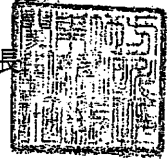


国 関 整 計 第 87号
平成21年 1月 7日

さいたま地方裁判所
第4民事部合議係
裁判所書記官 東 礼子 様

国土交通省関東地方整備局
河川部 河川計画課長



調査囑託書について (回答)

平成20年11月10日付けで囑託された件について、下記のとおり回答します。

記

1. 安定供給可能量の計算を行った主体と時期について

(1) 計算を行った主体

「2/20の渇水年の安定供給可能量」を求める計算を行った主体についての質問ですが、利根川水系、荒川水系別に担当している事務所が異なり、利根川水系においては、関東地方整備局 利根川ダム統合管理事務所、荒川水系につきましては、関東地方整備局 荒川上流河川事務所となります。

また、計算の作業につきましては、各事務所により業務委託を実施しています。

(2) 計算した時期について

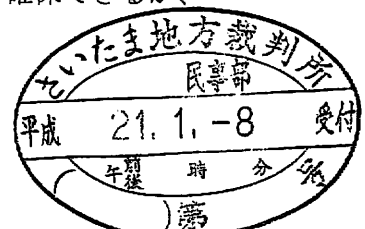
利根川ダム統合管理事務所、荒川上流河川事務所とも平成18年度に計算をしています。

2. 安定供給可能量の計算の前提条件とその計算に用いたデータ

利根川水系及び荒川水系の安定供給可能量の計算の前提条件とその計算に用いたデータにつきましては、データが膨大となりますので、利根川水系については、別冊一1、荒川水系については、別冊一2としてとりまとめています。

安定供給量を求める際の前提条件と計算に用いる過去の実績値等のデータについての考え方の概要を以下に説明をします。

まず、各利水基準地点における確保量の条件(別冊一1の1.③、別冊一2の1.②)が挙げられます。近20ヶ年(1983(S58)年度~2002(H14)年度)において、設定した利水安全度における安定供給可能量を算出するためには、確保流量の中の開発量等をどの程度低下させれば、安全度4/20、2/20を確保できるか、



計算することとなります。

具体的には、各基準地点における確保量の中の維持流量を除く不特定・特定（別冊一1の1. ④⑤⑧、別冊一2の1. ③④⑦）について、削減した量を与え利水計算を繰り返し行い、利水安全度4/20であれば、上流ダム群の貯水量において、20ヶ年中不足年が3ヶ年となったときを利水安全度4/20の切り下げ率としました。他の2/20の利水安全度の場合は、20ヶ年中不足年が1ヶ年となったときを利水安全度2/20の切り下げ率としています。

次に、過去の実績値等のデータにつきましては、利水計算に用いる流量データ（別冊一1の1. ⑥、別冊一2の1. ⑤）があります。この利水計算に用いる流量データは、過去の河川流量に上流のダムの調整量や発電取水量等の戻し処理を行うことにより推算しており、利水計算の計算単位である半月単位に整理されています。そのため、各ダム地点から各利水基準点までの流下日数については、この期間内となることから設定していません。

利水計算は、各基準点において必要となる流量を不足することなく補給できるよう順次計算によって補給量が決定されています。

計算手順としては、上流より下流に向けて利水計算に用いる流量データと各基準地点の確保量の過不足計算を順次行いますが、まず、ダム地点の計算を行い、その後に基準地点の計算を行います。

ダムの計算では、まず、貯留操作のみ行い上流端ダムでは自然流量が貯留対象となり、下流側のダムではその地点の自然流量から上流ダムで貯留された量を差し引いたものが貯留の対象となります。

さらに、基準地点においては、その地点の自然流量から上流ダム群及び基準地点での貯留及び取水量を差し引いた流量で確保流量を賄えるかどうか検討し、不足する場合のみ上流ダム群より補給を行います。

上流に置かれたダムでは、当初は貯留操作のみを行うが、計算が下流へ移るにつれ、下流基準地点での不足をその都度補給し、計算が最下流の基準地点に至った後、初めて全体の総補給量が明らかとなる方法で、順次計算を行います。

このようにして、上流のダム群は、各基準地点で不足が生ずる毎に補給を行うので、補給量は累加の計算となり、ダム放流量は補給量の累加結果で修正されることとなります。

また、利根川水系及び・荒川水系の利水計算は、水系全体のダム群を統合運用し、ダムからの無効放流量を極力抑制する運用システムとなっており、ダムの操作ルールや各ダムの洪水期、非洪水期別の利水容量は、別冊一1の1. ①、別冊一2の1. ①に示す方法で計算しています。

さらにダム以外の利水施設（北千葉導水路、霞ヶ浦開発、利根川河口堰）の運用についても別冊一1の1. ②に示すこととします。

3. 安定供給可能量の計算結果

- (1) 利根川水系における供給量を開発水量の100%から段階的に削減した場合の計算結果について、切下げ無し、安全度4/20、安全度2/20の各段階として以下に説明しますが、それらのデータについても別冊一1にとりまとめています。

①各ダムの半旬別貯水量の計算結果

「2/20の渇水年の安定供給可能量」を求める計算では、統合運用計算としているため、上流ダム群として計算結果をとりまとめています。

従って、栗橋上流ダム群（矢木沢ダム、奈良俣ダム、藤原ダム、相俣ダム、菌原ダム、八ッ場ダム、下久保ダム、草木ダム、南摩ダム、渡良瀬貯水池）と鬼怒川合流後で最下流の基準地点である利根川河口堰上流ダム群（栗橋上流ダム群に川俣ダム、川治ダム、湯西川ダム、五十里ダム、利根川河口堰）の2地点において上流ダム群の貯水量を（別冊一1の2. ①. 1）のとおり確認して利水安全度の評価としています。

また、「2/20の渇水年の安定供給可能量」を求める計算以外で、切下げ無しの各ダム毎（矢木沢ダム、奈良俣ダム、藤原ダム、相俣ダム、菌原ダム、八ッ場ダム、下久保ダム、南摩ダム、草木ダム、渡良瀬貯水池、湯西川ダム、五十里ダム、川俣ダム、川治ダム）のマスカーブ（貯水池運用曲線）を作成していますので（別冊一1の2. ①. 2）に掲載しています。

②ダム以外の各利水施設（北千葉導水路等）の運用結果（送水量等）

北千葉導水路の切下げた場合の計算は、切下げ無しの取水量結果に対して、以下の式により切下げた場合のデータを作成していますので、（別冊一1の2. ②）に切下げ無しのデータを示します。

$$\text{切下げ後取水量} = \text{取水量} \times (100 - \text{切下げ率}(\%)) / 100$$

なお、安全度と切下げ率の関係は、安全度4/20は、17.9%、安全度2/20は、21.4%となっています。

③本川および支川の各利水基準点の半旬別流量の計算結果

「2/20の渇水年の安定供給可能量」を求める計算では、栗橋上流ダム群や利根川河口堰上流ダム群の貯水量の計算結果により利水安全度を評価していますので、各利水基準点毎の計算結果は、ありません。

また、基準点毎の不足量については、水系全体の利水安全度を評価することから、利根川本川の各基準地点の不足量を合計したもので評価しています。（別冊一1の2. ①. 2）

なお、利水基準点の半旬別流量計算結果として栗橋地点の計算をしていますので切り下げ無し、切り下げ後の計算結果を（別冊一1の2. ③. 1）に示します。

また、「2/20の渇水年の安定供給可能量」を求める計算以外で、切下げ無し
の各基準点（岩本、吾妻、渋川、利根大堰、栗橋、佐貫、勝瓜、）の流況図を作成
していますので（別冊一1の3. ③. 2）に掲載しています。

(2) 荒川水系における供給量を開発水量の100%から段階的に削減した場合の計算結
果について、切下げ無し、安全度4/20、安全度2/20の各段階として以下に説
明しますが、それらのデータについても別冊一2にとりまとめています。

①各ダムの半旬別貯水量の計算結果

「2/20の渇水年の安定供給可能量」を求める計算では、統合運用計算として
いるため、上流ダム群として計算結果をとりまとめています。

従って、古谷本郷上流ダム群（二瀬ダム、滝沢ダム、浦山ダム、合角ダム、有間
ダム、荒川第一調節池）の貯水量とマスカーブを（別紙一2の2. ①. 1）のと
おり確認して利水安全度の評価としています。

なお、「2/20の渇水年の安定供給可能量」を求める計算以外で、切下げ無し
の寄居上流ダム群（二瀬ダム、滝沢ダム、浦山ダム、合角ダム）のマスカーブを作
成していますので（別冊一2の2. ①. 2）に掲載しています。

②本川および支川の各利水基準点の半旬別流量の計算結果

各利水基準点の計算結果については、古谷本郷上流ダム群の貯水量の計算結果に
より利水安全度を評価していますので、各利水基準点毎の計算結果は、ありません。

また、荒川水系についても、利水基準点の不足量については、水系全体の利水安
全度を評価することから、荒川本川の寄居地点、古谷本郷地点の不足量を合計した
もので評価しています。（別冊一2の2. ②. 1）

なお、利水基準点の半旬別流量計算結果として古谷本郷地点の計算をしています
ので、切り下げ無し、切り下げ後の計算結果を（別紙一2の2. ②. 2）に示しま
す。

なお、「2/20の渇水年の安定供給可能量」を求める計算以外で、切下げ無し
の寄居地点及び古谷本郷地点の流況図を作成していますので（別冊一2の2. ②.
3）に掲載しています。

別冊一 1

調査事項（利根川）

1. 安定供給可能量の計算の前提条件とその計算に用いたデータ

①各ダムの月別利水容量と運用条件

各ダムの利水容量は次頁の表のとおりである。

ここで、洪水期は7月1半旬～9月6半旬であり、八ッ場ダムのみ7月1半旬～10月1半旬である。

運用条件については、統合運用方式により運用を行っており、この考え方については、次の「ダム運用方法」に示すとおりである。

ダム利水容量一覧

ダム	利水容量(千 m^3)		備考
	洪水期	非洪水期	
矢木沢	115,500	115,500	
奈良俣	72,000	85,000	
藤原	14,690	31,010	
相俣	10,600	20,000	
藪原	3,000	13,220	
八ッ場	25,000	90,000	建設中
下久保	85,000	120,000	
南摩	35,000	35,000	建設中
草木	30,500	50,500	
渡良瀬遊水池	12,200	26,400	
湯西川	42,000	72,000	建設中
五十里	11,200	32,000	
川俣	48,600	73,100	
川治	40,000	76,000	
利根川河口堰	5,000	5,000	

【ダム運用方法】

利根川の利水計算は、水系全体のダム群を統合運用し、ダムからの無効放流量を極力抑制する運用システムとしている。ダムの操作は以下に示す原則にのっとりた方法としている。

a) 統合運用の原則

① ダム補給 — 下流ダムより順次行う —

ダム補給は、上流の基準地点より、順次下流に向けて充足されるが、当該基準地点で流量が不足する場合は、その基準地点にかかわるダム群のうち、最下流のダムより補給を行う。ダムの貯水量が底をついた場合は、その上のダムより順次補給するものとする。

② ダム貯留 — 上流ダムより順次行う —

基準地点の流量が豊かであり、確保量をまかなってなお余剰が生じた場合は、当該基準地点の最上流ダムより順次貯留を行う。ただし、ダムの貯留可能量は流入量とその時点のダム容量及びダム地点に必要な流量(下流放流量)によって制約を受ける。基準地点の余剰が上流ダムの貯留可能量を上回る場合は、その余剰量に達するまで順次下流ダムで貯留操作を行っていくこととしている。

b) 放流操作

各ダムの下流放流量と余剰放流量については、統合操作に関係なく放流することにして
いる。下流放流量は、下流に余剰がありダムからの補給が必要でない場合も放流するもの
である。余剰放流は、ダムが満水で貯めきれずに放流する量である。

ある基準地点において確保量に不足を生じた場合には、この不足量を基準地点より上流
にあるダム群へ割り当てて放流させる。割り当て方法は、次のような手順による。

- 不足量とダム群の現有全貯水量を比較し、不足量が全貯水量より大きい時は、全ダム
から全貯水量を放流し、さらに不足する量を別途に計算し、累加しておいて下流基準地
点に移ることとする。
- 不足量が全貯水量より小さい時は、不足量を各ダムに割り当てる。割り当ての方法は、
補給後の空容量比率が一定になり、無効放流ができるだけ少なくなる方法によって行う。

c) 補給の方法

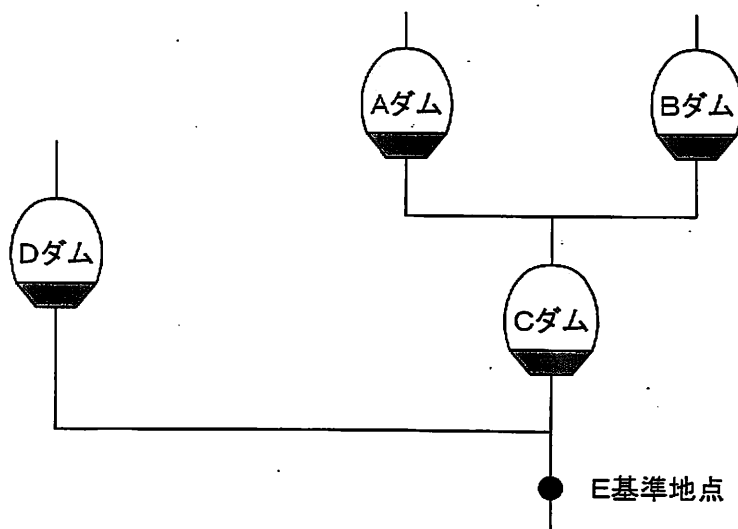
ダムの配置の考え方（直列・並列）により、補給は以下に示す方法で行う。

① 直列ダムの場合（図のCダムと、Aダム+Bダムの場合）

ダムが直列に配置されている場合は、直列ダムの貯水量の和を単ダムと考えその割り
当て量を優先的に下流から補給する。その割り当て量が下流ダムのみで補給可能であれ
ば、上流ダムからは補給する必要はないと考える。

② 並列ダムの場合（Aダム+Bダム+Cダムと、Dダムの場合）

ダムが並列に配置されている場合は、各支川毎のダムの利水容量（洪水期は夏期制限
容量）と補給後の貯水量との比が一定となるように補給する。



ダム並びの考え方

検討期間は昭和58年度から平成14年度

②ダム以外の各利水施設（北千葉導水路、霞ヶ浦開発、利根川河口堰）の運用条件

利根川の利水計算で設定しているダム以外の利水施設は北千葉導水、霞ヶ浦開発、利根川河口堰があり、それぞれの運用条件は以下のとおりである。

a) 北千葉導水

北千葉導水事業は、利根川、中川の余剰を取水し、 $10.00\text{m}^3/\text{s}$ （水道用水 $9.41\text{m}^3/\text{s}$ 、工業用水 $0.59\text{m}^3/\text{s}$ ）の新規開発を行う。

なお、取水の優先順位は以下のとおりである。

- i)江戸川からの取水
- ii)利根川からの導水による取水
- iii)中川からの導水による取水

b) 霞ヶ浦開発

霞ヶ浦開発は、容量 $278,000$ 千 m^3 を利用して $42.92\text{m}^3/\text{s}$ （農業用水 $19.56\text{m}^3/\text{s}$ 、水道用水 $7.46\text{m}^3/\text{s}$ 、工業用水 $15.90\text{m}^3/\text{s}$ ）の開発を行う。

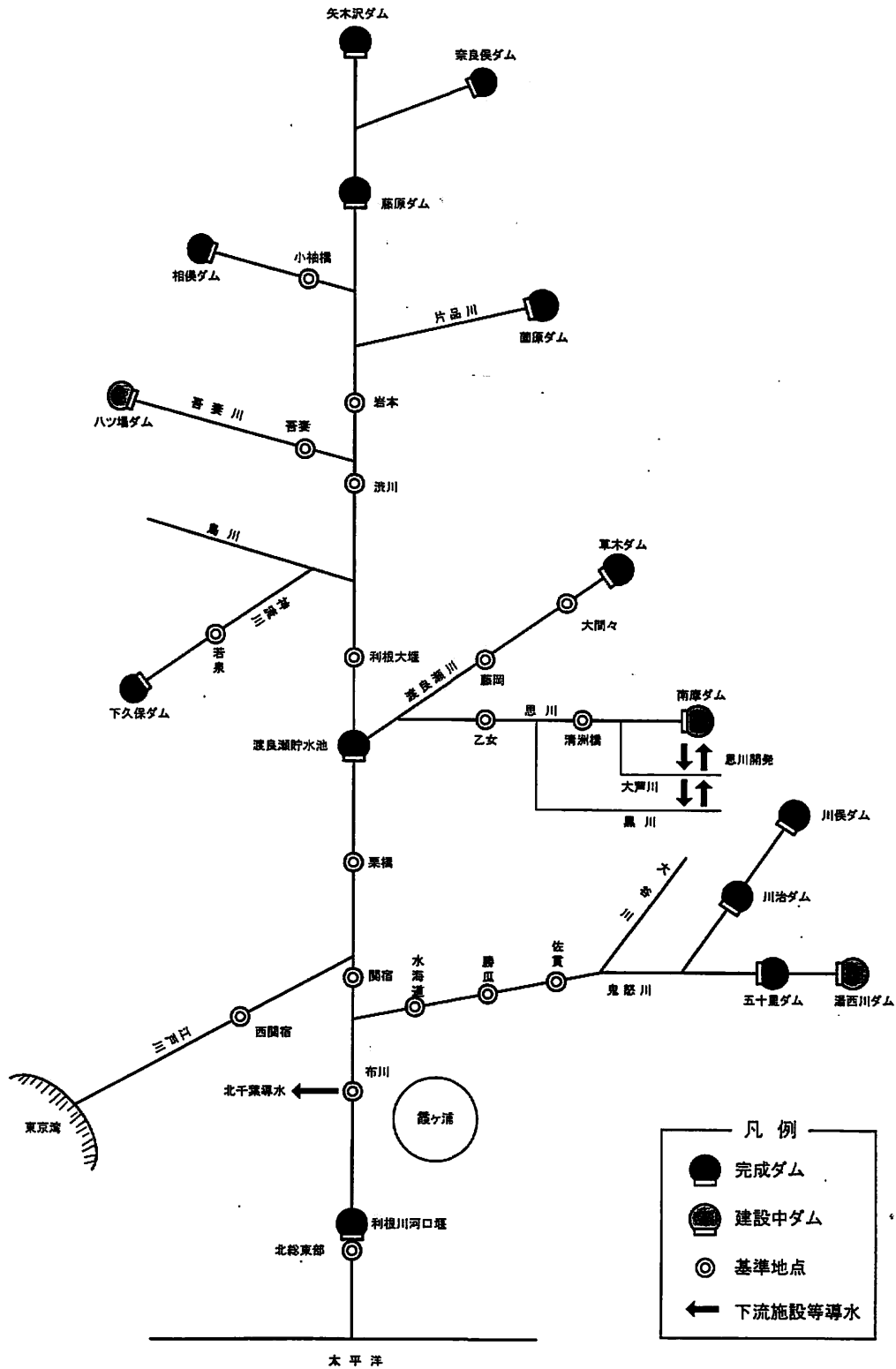
なお、開発地点は霞ヶ浦として単独運用を行う。

c) 利根川河口堰

利根川河口堰は、利根川水系の1ダムとして設定し、容量 $5,000$ 千 m^3 を利用し農業用水に補給を行う。また、維持用水 $50\text{m}^3/\text{s}$ のうち $20\text{m}^3/\text{s}$ を利水に活用し、水道用水として $18.76\text{m}^3/\text{s}$ 、工業用水として $1.24\text{m}^3/\text{s}$ の供給を行う。

③本川および支川の各利水基準点の月別確保流量

利水基準地点の確保量は半旬単位で設定しており、その値は次頁のとおりである。
 なお、基準地点位置関係は以下の模式図に示すとおりである。



利根川利水モデル図

小袖橋地点

单位: m³/s

月	半旬	確保量
4	1	1.90
	2	1.90
	3	1.90
	4	1.90
	5	1.90
	6	1.90
5	1	1.90
	2	1.90
	3	1.90
	4	1.90
	5	1.90
	6	1.90
6	1	1.90
	2	1.90
	3	1.90
	4	1.90
	5	1.90
	6	1.90
7	1	1.90
	2	1.90
	3	1.90
	4	1.90
	5	1.90
	6	1.90
8	1	1.90
	2	1.90
	3	1.90
	4	1.90
	5	1.90
	6	1.90
9	1	0.60
	2	0.60
	3	0.60
	4	0.60
	5	0.60
	6	0.60
10	1	0.60
	2	0.60
	3	0.60
	4	0.60
	5	0.60
	6	0.60
11	1	0.60
	2	0.60
	3	0.60
	4	0.60
	5	0.60
	6	0.60
12	1	0.60
	2	0.60
	3	0.60
	4	0.60
	5	0.60
	6	0.60
1	1	0.80
	2	0.80
	3	0.80
	4	0.80
	5	0.80
	6	0.80
2	1	0.80
	2	0.80
	3	0.80
	4	0.80
	5	0.80
	6	0.80
3	1	0.80
	2	0.80
	3	0.80
	4	0.80
	5	0.80
	6	0.80

岩本地点

单位: m³/s

月	半旬	确保量
4	1	43.10
	2	43.01
	3	41.67
	4	42.58
	5	43.10
	6	42.22
5	1	57.59
	2	58.20
	3	58.23
	4	57.34
	5	58.07
	6	58.37
6	1	59.25
	2	59.48
	3	59.88
	4	61.08
	5	58.93
	6	69.66
7	1	68.34
	2	68.28
	3	65.90
	4	68.08
	5	69.05
	6	62.20
8	1	58.67
	2	60.39
	3	60.09
	4	68.31
	5	70.27
	6	60.43
9	1	60.89
	2	60.13
	3	59.64
	4	66.48
	5	67.29
	6	56.64
10	1	42.12
	2	41.54
	3	42.12
	4	41.59
	5	42.12
	6	41.50
11	1	41.62
	2	41.85
	3	41.36
	4	41.85
	5	41.65
	6	41.85
12	1	41.36
	2	41.36
	3	41.36
	4	41.36
	5	41.36
	6	41.36
1	1	41.36
	2	41.36
	3	41.36
	4	41.36
	5	41.36
	6	41.36
2	1	41.36
	2	41.36
	3	41.36
	4	41.36
	5	41.36
	6	41.36
3	1	41.36
	2	41.66
	3	41.39
	4	41.57
	5	43.00
	6	42.00

吾妻地点

单位: m³/s

月	半旬	確保量
4	1	3.80
	2	3.80
	3	3.80
	4	3.80
	5	3.80
	6	3.80
5	1	3.80
	2	3.80
	3	3.80
	4	3.80
	5	3.80
	6	3.80
6	1	3.80
	2	3.80
	3	3.80
	4	3.80
	5	3.80
	6	3.80
7	1	3.80
	2	3.80
	3	3.80
	4	3.80
	5	3.80
	6	3.80
8	1	3.80
	2	3.80
	3	3.80
	4	3.80
	5	3.80
	6	3.80
9	1	0.30
	2	0.30
	3	0.30
	4	0.30
	5	0.30
	6	0.30
10	1	2.00
	2	2.00
	3	2.00
	4	2.00
	5	2.00
	6	2.00
11	1	2.00
	2	2.00
	3	2.00
	4	2.00
	5	2.00
	6	2.00
12	1	2.00
	2	2.00
	3	2.00
	4	2.00
	5	2.00
	6	2.00
1	1	2.00
	2	2.00
	3	2.00
	4	2.00
	5	2.00
	6	2.00
2	1	2.00
	2	2.00
	3	2.00
	4	2.00
	5	2.00
	6	2.00
3	1	2.00
	2	2.00
	3	2.00
	4	2.00
	5	2.00
	6	2.00

渋川地点

単位：m³/s

月	半旬	確保量
4	1	65.62
	2	65.83
	3	64.02
	4	66.48
	5	66.69
	6	66.23
5	1	66.28
	2	66.58
	3	69.14
	4	69.19
	5	69.78
	6	69.78
6	1	77.66
	2	77.89
	3	78.83
	4	81.44
	5	85.61
	6	101.16
7	1	94.76
	2	94.32
	3	92.98
	4	94.32
	5	93.38
	6	87.97
8	1	80.95
	2	84.67
	3	88.77
	4	94.42
	5	95.60
	6	89.06
9	1	89.87
	2	87.45
	3	88.00
	4	90.92
	5	91.87
	6	68.42
10	1	65.46
	2	64.55
	3	65.46
	4	65.00
	5	65.46
	6	64.36
11	1	65.15
	2	65.46
	3	64.80
	4	65.46
	5	65.27
	6	65.46
12	1	62.81
	2	62.81
	3	62.81
	4	62.81
	5	62.59
	6	62.81
1	1	62.81
	2	62.81
	3	62.81
	4	62.81
	5	62.81
	6	62.62
2	1	62.81
	2	62.53
	3	62.81
	4	62.81
	5	62.81
	6	62.81
3	1	62.47
	2	62.86
	3	62.56
	4	64.74
	5	65.62
	6	64.75

若泉地点

单位: m³/s

月	半旬	确保量
4	1	2.11
	2	2.11
	3	2.11
	4	2.11
	5	2.11
	6	2.11
5	1	2.11
	2	2.11
	3	2.11
	4	2.31
	5	3.18
	6	3.48
6	1	4.07
	2	4.51
	3	4.35
	4	5.52
	5	6.38
	6	9.36
7	1	9.20
	2	9.20
	3	9.89
	4	10.93
	5	11.55
	6	9.94
8	1	11.34
	2	9.96
	3	9.66
	4	10.96
	5	10.34
	6	8.18
9	1	7.78
	2	7.85
	3	6.30
	4	5.53
	5	5.53
	6	5.43
10	1	4.74
	2	2.11
	3	2.11
	4	2.27
	5	2.27
	6	2.11
11	1	2.11
	2	2.11
	3	2.11
	4	2.11
	5	2.11
	6	2.14
12	1	2.11
	2	2.11
	3	2.11
	4	2.14
	5	2.11
	6	2.11
1	1	2.11
	2	2.11
	3	2.11
	4	2.11
	5	2.11
	6	2.12
2	1	2.12
	2	2.12
	3	2.12
	4	2.12
	5	2.12
	6	2.12
3	1	2.12
	2	2.12
	3	2.12
	4	2.12
	5	2.11
	6	2.11

利根大堰地点

单位: m³/s

月	半旬	確保量
4	1	77.30
	2	77.30
	3	75.52
	4	76.12
	5	77.85
	6	86.54
5	1	84.14
	2	102.08
	3	106.48
	4	107.47
	5	110.64
	6	114.23
6	1	106.29
	2	111.15
	3	117.14
	4	104.07
	5	121.53
	6	114.53
7	1	115.46
	2	92.19
	3	114.57
	4	107.48
	5	118.69
	6	119.79
8	1	119.07
	2	116.75
	3	117.44
	4	84.53
	5	95.97
	6	83.48
9	1	82.05
	2	76.39
	3	74.37
	4	69.84
	5	63.33
	6	60.56
10	1	55.80
	2	55.80
	3	55.80
	4	55.80
	5	55.80
	6	55.80
11	1	55.80
	2	55.80
	3	55.80
	4	55.80
	5	55.80
	6	55.80
12	1	55.80
	2	55.80
	3	55.80
	4	55.80
	5	55.80
	6	55.80
1	1	55.80
	2	55.80
	3	55.80
	4	55.80
	5	55.80
	6	55.80
2	1	55.80
	2	55.80
	3	55.80
	4	55.80
	5	55.80
	6	55.80
3	1	55.80
	2	55.80
	3	55.80
	4	55.80
	5	55.80
	6	55.80

清洲橋地点

单位: m³/s

月	半旬	確保量
4	1	4.12
	2	4.12
	3	4.92
	4	4.92
	5	4.92
	6	4.92
5	1	5.92
	2	5.92
	3	5.92
	4	5.92
	5	5.92
	6	5.92
6	1	5.92
	2	5.92
	3	5.92
	4	5.92
	5	5.92
	6	5.92
7	1	5.92
	2	5.92
	3	5.92
	4	5.92
	5	5.92
	6	5.92
8	1	5.92
	2	5.92
	3	5.92
	4	5.92
	5	5.92
	6	5.92
9	1	5.92
	2	5.92
	3	5.92
	4	5.92
	5	4.72
	6	4.72
10	1	2.92
	2	2.92
	3	2.92
	4	2.92
	5	2.92
	6	2.92
11	1	2.92
	2	2.92
	3	2.92
	4	2.92
	5	2.92
	6	2.92
12	1	2.92
	2	2.92
	3	2.92
	4	2.92
	5	2.92
	6	2.92
1	1	2.92
	2	2.92
	3	2.92
	4	2.92
	5	2.92
	6	2.92
2	1	2.92
	2	2.92
	3	2.92
	4	2.92
	5	2.92
	6	2.92
3	1	2.92
	2	2.92
	3	2.92
	4	2.92
	5	2.92
	6	2.92

乙女地点

単位: m³/s

月	半旬	確保量
4	1	6.09
	2	6.09
	3	6.39
	4	6.39
	5	6.39
	6	6.39
5	1	6.79
	2	6.79
	3	6.79
	4	6.79
	5	6.79
	6	6.79
6	1	6.79
	2	6.79
	3	6.79
	4	6.79
	5	6.79
	6	6.79
7	1	6.79
	2	6.79
	3	6.79
	4	6.79
	5	6.79
	6	6.79
8	1	6.79
	2	6.79
	3	6.79
	4	6.79
	5	6.79
	6	6.79
9	1	6.79
	2	6.79
	3	6.79
	4	6.79
	5	6.29
	6	6.29
10	1	5.59
	2	5.59
	3	5.59
	4	5.59
	5	5.59
	6	5.59
11	1	5.59
	2	5.59
	3	5.59
	4	5.59
	5	5.59
	6	5.59
12	1	5.59
	2	5.59
	3	5.59
	4	5.59
	5	5.59
	6	5.59
1	1	5.59
	2	5.59
	3	5.59
	4	5.59
	5	5.59
	6	5.59
2	1	5.59
	2	5.59
	3	5.59
	4	5.59
	5	5.59
	6	5.59
3	1	5.59
	2	5.59
	3	5.59
	4	5.59
	5	5.59
	6	5.59

大間々地点

単位：m³/s

月	半旬	確保量
4	1	6.59
	2	6.59
	3	6.83
	4	6.83
	5	6.68
	6	6.68
5	1	6.87
	2	7.04
	3	6.88
	4	7.79
	5	10.71
	6	10.56
6	1	13.21
	2	15.61
	3	17.26
	4	16.63
	5	18.39
	6	16.52
7	1	16.66
	2	14.22
	3	13.43
	4	14.82
	5	14.36
	6	13.56
8	1	14.69
	2	12.24
	3	9.46
	4	14.50
	5	14.27
	6	12.53
9	1	7.62
	2	8.91
	3	9.46
	4	10.86
	5	8.07
	6	6.94
10	1	6.46
	2	6.46
	3	6.56
	4	6.56
	5	6.58
	6	6.58
11	1	6.70
	2	6.70
	3	6.69
	4	6.69
	5	6.68
	6	6.68
12	1	6.66
	2	6.66
	3	6.65
	4	6.65
	5	6.66
	6	6.66
1	1	6.57
	2	6.57
	3	6.60
	4	6.60
	5	6.65
	6	6.65
2	1	6.70
	2	6.70
	3	6.70
	4	6.70
	5	6.55
	6	6.55
3	1	6.76
	2	6.76
	3	6.63
	4	6.63
	5	6.69
	6	6.69

藤岡地点

単位：m³/s

月	半旬	確保量
4	1	2.24
	2	2.24
	3	2.95
	4	2.95
	5	2.39
	6	2.39
5	1	2.07
	2	2.52
	3	2.17
	4	2.90
	5	3.78
	6	4.77
6	1	7.87
	2	9.19
	3	10.33
	4	10.92
	5	13.40
	6	12.58
7	1	11.56
	2	7.74
	3	10.37
	4	10.44
	5	10.64
	6	9.57
8	1	9.69
	2	6.78
	3	10.17
	4	9.23
	5	8.62
	6	5.66
9	1	5.01
	2	2.70
	3	3.35
	4	4.20
	5	4.69
	6	2.07
10	1	1.85
	2	1.85
	3	1.86
	4	1.86
	5	1.89
	6	1.89
11	1	2.25
	2	2.25
	3	2.08
	4	2.08
	5	2.03
	6	2.03
12	1	2.19
	2	2.19
	3	2.16
	4	2.16
	5	2.19
	6	2.19
1	1	2.05
	2	2.05
	3	2.12
	4	2.12
	5	2.05
	6	2.05
2	1	2.16
	2	2.16
	3	2.23
	4	2.23
	5	2.05
	6	2.05
3	1	2.74
	2	2.74
	3	2.24
	4	2.24
	5	2.45
	6	2.45

栗橋地点

単位：m³/s

月	半旬	確保量
4	1	94.78
	2	95.12
	3	95.43
	4	95.43
	5	95.43
	6	98.42
5	1	107.01
	2	107.08
	3	107.28
	4	107.28
	5	107.25
	6	107.15
6	1	107.51
	2	107.51
	3	107.51
	4	106.80
	5	106.80
	6	106.80
7	1	106.90
	2	106.90
	3	106.90
	4	106.86
	5	106.75
	6	106.75
8	1	106.68
	2	106.68
	3	106.67
	4	106.67
	5	103.81
	6	103.81
9	1	97.13
	2	97.13
	3	97.13
	4	94.85
	5	94.85
	6	94.85
10	1	91.81
	2	91.81
	3	91.81
	4	91.81
	5	91.81
	6	91.81
11	1	89.27
	2	89.27
	3	89.27
	4	89.27
	5	89.27
	6	89.27
12	1	89.27
	2	89.27
	3	89.27
	4	89.27
	5	89.27
	6	89.27
1	1	89.27
	2	89.27
	3	89.27
	4	89.27
	5	89.27
	6	89.27
2	1	89.27
	2	89.27
	3	89.27
	4	89.27
	5	89.27
	6	89.27
3	1	89.27
	2	89.27
	3	89.27
	4	89.27
	5	89.27
	6	89.27

西関宿地点

単位：m³/s

月	半旬	確保量
4	1	25.10
	2	25.42
	3	25.46
	4	25.46
	5	25.46
	6	28.23
5	1	28.23
	2	28.23
	3	29.63
	4	29.63
	5	29.63
	6	29.63
6	1	29.73
	2	29.73
	3	29.73
	4	29.02
	5	29.02
	6	29.02
7	1	29.02
	2	29.02
	3	29.02
	4	28.98
	5	28.98
	6	28.98
8	1	28.93
	2	28.93
	3	28.93
	4	28.93
	5	28.93
	6	28.93
9	1	28.10
	2	28.10
	3	28.10
	4	25.82
	5	25.82
	6	25.82
10	1	22.92
	2	22.92
	3	22.92
	4	22.92
	5	22.92
	6	22.92
11	1	20.38
	2	20.38
	3	20.38
	4	20.38
	5	20.38
	6	20.38
12	1	20.38
	2	20.38
	3	20.38
	4	20.38
	5	20.38
	6	20.38
1	1	20.38
	2	20.38
	3	20.38
	4	20.38
	5	20.38
	6	20.38
2	1	20.38
	2	20.38
	3	20.38
	4	20.38
	5	20.38
	6	20.38
3	1	20.38
	2	20.38
	3	20.38
	4	20.38
	5	20.38
	6	20.38

関宿地点

単位：m³/s

月	半旬	確保量
4	1	50.00
	2	50.00
	3	50.00
	4	50.00
	5	50.00
	6	50.00
5	1	50.00
	2	50.00
	3	50.00
	4	50.00
	5	50.00
	6	50.00
6	1	50.00
	2	50.00
	3	50.00
	4	50.00
	5	50.00
	6	50.00
7	1	50.00
	2	50.00
	3	50.00
	4	50.00
	5	50.00
	6	50.00
8	1	50.00
	2	50.00
	3	50.00
	4	50.00
	5	50.00
	6	50.00
9	1	50.00
	2	50.00
	3	50.00
	4	50.00
	5	50.00
	6	50.00
10	1	50.00
	2	50.00
	3	50.00
	4	50.00
	5	50.00
	6	50.00
11	1	50.00
	2	50.00
	3	50.00
	4	50.00
	5	50.00
	6	50.00
12	1	50.00
	2	50.00
	3	50.00
	4	50.00
	5	50.00
	6	50.00
1	1	50.00
	2	50.00
	3	50.00
	4	50.00
	5	50.00
	6	50.00
2	1	50.00
	2	50.00
	3	50.00
	4	50.00
	5	50.00
	6	50.00
3	1	50.00
	2	50.00
	3	50.00
	4	50.00
	5	50.00
	6	50.00

佐貫地点

単位：m³/s

月	半旬	確保量
4	1	8.98
	2	9.23
	3	9.23
	4	27.08
	5	44.79
	6	48.53
5	1	53.38
	2	38.00
	3	45.32
	4	40.99
	5	45.18
	6	42.02
6	1	41.57
	2	39.79
	3	43.66
	4	41.12
	5	38.24
	6	45.25
7	1	42.55
	2	48.94
	3	30.27
	4	45.07
	5	45.01
	6	38.29
8	1	45.59
	2	37.48
	3	21.47
	4	36.15
	5	36.90
	6	29.05
9	1	17.37
	2	16.11
	3	9.10
	4	9.10
	5	8.88
	6	8.95
10	1	8.63
	2	8.54
	3	8.57
	4	8.59
	5	8.60
	6	8.51
11	1	8.61
	2	8.61
	3	8.61
	4	8.61
	5	8.61
	6	8.61
12	1	8.61
	2	8.61
	3	8.61
	4	8.61
	5	8.61
	6	8.61
1	1	8.63
	2	8.63
	3	8.63
	4	8.63
	5	8.63
	6	8.63
2	1	8.66
	2	8.66
	3	8.66
	4	8.66
	5	8.66
	6	8.66
3	1	8.62
	2	8.62
	3	8.62
	4	8.62
	5	8.62
	6	8.62

勝瓜地点

单位: m³/s

月	半旬	確保量
4	1	6.32
	2	6.34
	3	6.37
	4	6.35
	5	10.44
	6	15.00
5	1	17.81
	2	13.14
	3	19.51
	4	13.69
	5	17.58
	6	18.71
6	1	19.38
	2	19.38
	3	19.89
	4	20.67
	5	19.14
	6	19.55
7	1	20.55
	2	20.73
	3	20.30
	4	21.47
	5	21.54
	6	19.95
8	1	20.94
	2	17.08
	3	14.97
	4	12.51
	5	18.83
	6	18.83
9	1	12.97
	2	13.93
	3	13.99
	4	7.41
	5	7.30
	6	2.40
10	1	1.40
	2	1.40
	3	1.40
	4	1.40
	5	1.40
	6	1.40
11	1	1.40
	2	1.40
	3	1.40
	4	1.40
	5	1.40
	6	1.40
12	1	1.40
	2	1.40
	3	1.40
	4	1.40
	5	1.40
	6	1.40
1	1	1.40
	2	1.40
	3	1.40
	4	1.40
	5	1.40
	6	1.40
2	1	1.40
	2	1.40
	3	1.40
	4	1.40
	5	1.40
	6	1.40
3	1	1.40
	2	1.40
	3	1.40
	4	1.40
	5	5.77
	6	5.32

水海道地点

单位: m³/s

月	半旬	確保量
4	1	1.62
	2	1.64
	3	1.68
	4	1.68
	5	1.88
	6	2.28
5	1	3.28
	2	3.12
	3	2.66
	4	2.66
	5	2.66
	6	2.70
6	1	2.75
	2	2.73
	3	2.69
	4	2.71
	5	2.71
	6	2.71
7	1	2.82
	2	2.82
	3	2.83
	4	2.91
	5	3.01
	6	3.01
8	1	2.91
	2	2.86
	3	2.79
	4	2.75
	5	2.70
	6	2.69
9	1	1.96
	2	1.96
	3	1.96
	4	1.96
	5	1.62
	6	1.62
10	1	1.62
	2	1.62
	3	1.62
	4	1.62
	5	1.62
	6	1.62
11	1	1.62
	2	1.62
	3	1.62
	4	1.62
	5	1.62
	6	1.62
12	1	1.62
	2	1.62
	3	1.62
	4	1.62
	5	1.62
	6	1.62
1	1	1.62
	2	1.62
	3	1.62
	4	1.62
	5	1.62
	6	1.62
2	1	1.62
	2	1.62
	3	1.62
	4	1.62
	5	1.62
	6	1.62
3	1	1.62
	2	1.62
	3	1.62
	4	1.62
	5	1.62
	6	1.62

布川地点

单位: m²/s

月	半旬	確保量
4	1	78.58
	2	78.76
	3	79.27
	4	82.07
	5	86.13
	6	89.87
5	1	89.96
	2	89.98
	3	89.09
	4	87.61
	5	88.85
	6	88.85
6	1	88.88
	2	88.88
	3	88.88
	4	88.88
	5	88.88
	6	90.41
7	1	91.31
	2	93.22
	3	93.22
	4	93.22
	5	93.22
	6	93.80
8	1	93.17
	2	92.84
	3	89.50
	4	89.50
	5	87.61
	6	87.40
9	1	56.37
	2	56.37
	3	56.37
	4	56.37
	5	56.37
	6	56.37
10	1	56.02
	2	56.02
	3	56.02
	4	56.02
	5	56.02
	6	56.02
11	1	56.11
	2	56.11
	3	56.11
	4	56.11
	5	56.11
	6	56.11
12	1	56.21
	2	56.21
	3	56.21
	4	56.21
	5	56.21
	6	56.21
1	1	56.06
	2	56.06
	3	56.06
	4	56.06
	5	56.06
	6	56.06
2	1	56.05
	2	56.05
	3	56.05
	4	56.05
	5	56.05
	6	56.05
3	1	60.32
	2	70.40
	3	72.19
	4	72.62
	5	72.91
	6	72.91

河口堰地点

单位: m³/s

月	半旬	確保量
4	1	50.82
	2	50.82
	3	50.82
	4	50.82
	5	50.82
	6	50.82
5	1	51.33
	2	51.33
	3	51.33
	4	51.33
	5	51.33
	6	51.33
6	1	52.07
	2	52.07
	3	52.07
	4	52.07
	5	52.07
	6	52.07
7	1	53.72
	2	53.72
	3	53.72
	4	53.72
	5	53.72
	6	53.72
8	1	53.30
	2	53.30
	3	53.30
	4	53.30
	5	53.30
	6	53.30
9	1	51.16
	2	51.16
	3	51.16
	4	51.16
	5	51.16
	6	51.16
10	1	50.28
	2	50.28
	3	50.28
	4	50.28
	5	50.28
	6	50.28
11	1	50.42
	2	50.42
	3	50.42
	4	50.42
	5	50.42
	6	50.42
12	1	50.33
	2	50.33
	3	50.33
	4	50.33
	5	50.33
	6	50.33
1	1	50.38
	2	50.38
	3	50.38
	4	50.38
	5	50.38
	6	50.38
2	1	50.48
	2	50.48
	3	50.48
	4	50.48
	5	50.48
	6	50.48
3	1	50.39
	2	50.39
	3	50.39
	4	50.39
	5	50.39
	6	50.39

④ダムおよびダム以外の利水施設による取水地点ごとの用途別の月別開発量
ダム及びダム以外の利水施設による用途別の取水量は次のとおりである。

岩本地点

单位: m³/s

月	半旬	開發水量		
		上水	工水	農水
4	1	3.350	—	3.210
	2	3.350	—	3.120
	3	3.350	—	1.780
	4	3.350	—	2.690
	5	3.350	—	3.210
	6	3.350	—	2.330
5	1	3.350	—	2.700
	2	3.350	—	3.310
	3	3.350	—	3.340
	4	3.350	—	2.450
	5	3.350	—	3.180
	6	3.350	—	3.480
6	1	3.350	—	4.360
	2	3.350	—	4.590
	3	3.350	—	4.990
	4	3.350	—	6.190
	5	3.350	—	4.040
	6	3.350	—	14.770
7	1	3.350	—	13.450
	2	3.350	—	13.390
	3	3.350	—	11.010
	4	3.350	—	13.190
	5	3.350	—	14.160
	6	3.350	—	7.310
8	1	3.350	—	3.780
	2	3.350	—	5.500
	3	3.350	—	5.200
	4	3.350	—	13.420
	5	3.350	—	15.380
	6	3.350	—	5.540
9	1	3.350	—	6.000
	2	3.350	—	5.240
	3	3.350	—	4.750
	4	3.350	—	11.590
	5	3.350	—	12.400
	6	3.350	—	1.750
10	1	3.350	—	2.230
	2	3.350	—	1.650
	3	3.350	—	2.230
	4	3.350	—	1.700
	5	3.350	—	2.230
	6	3.350	—	1.610
11	1	3.350	—	1.730
	2	3.350	—	1.960
	3	3.350	—	1.470
	4	3.350	—	1.960
	5	3.350	—	1.760
	6	3.350	—	1.960
12	1	3.350	—	1.470
	2	3.350	—	1.470
	3	3.350	—	1.470
	4	3.350	—	1.470
	5	3.350	—	1.470
	6	3.350	—	1.470
1	1	3.350	—	1.470
	2	3.350	—	1.470
	3	3.350	—	1.470
	4	3.350	—	1.470
	5	3.350	—	1.470
	6	3.350	—	1.470
2	1	3.350	—	1.470
	2	3.350	—	1.470
	3	3.350	—	1.470
	4	3.350	—	1.470
	5	3.350	—	1.470
	6	3.350	—	1.470
3	1	3.350	—	1.470
	2	3.350	—	1.770
	3	3.350	—	1.500
	4	3.350	—	1.680
	5	3.350	—	3.110
	6	3.350	—	2.110

澁川地点

単位：m³/s

月	半旬	開発水量		
		上水	工水	農水
4	1	2.250	1.000	—
	2	2.250	1.000	—
	3	2.250	1.000	—
	4	2.250	1.000	—
	5	2.250	1.000	—
	6	2.250	1.000	—
5	1	2.250	1.000	—
	2	2.250	1.000	—
	3	2.250	1.000	—
	4	2.250	1.000	—
	5	2.250	1.000	—
	6	2.250	1.000	—
6	1	0.250	0.000	—
	2	0.250	0.000	—
	3	0.250	0.000	—
	4	0.250	0.000	—
	5	0.250	0.000	—
	6	0.250	0.000	—
7	1	0.250	0.000	—
	2	0.250	0.000	—
	3	0.250	0.000	—
	4	0.250	0.000	—
	5	0.250	0.000	—
	6	0.250	0.000	—
8	1	0.250	0.000	—
	2	0.250	0.000	—
	3	0.250	0.000	—
	4	0.250	0.000	—
	5	0.250	0.000	—
	6	0.250	0.000	—
9	1	0.250	0.000	—
	2	0.250	0.000	—
	3	0.250	0.000	—
	4	0.250	0.000	—
	5	0.250	0.000	—
	6	2.250	1.000	—
10	1	2.250	1.000	—
	2	2.250	1.000	—
	3	2.250	1.000	—
	4	2.250	1.000	—
	5	2.250	1.000	—
	6	2.250	1.000	—
11	1	2.250	1.000	—
	2	2.250	1.000	—
	3	2.250	1.000	—
	4	2.250	1.000	—
	5	2.250	1.000	—
	6	2.250	1.000	—
12	1	2.250	1.000	—
	2	2.250	1.000	—
	3	2.250	1.000	—
	4	2.250	1.000	—
	5	2.250	1.000	—
	6	2.250	1.000	—
1	1	2.250	1.000	—
	2	2.250	1.000	—
	3	2.250	1.000	—
	4	2.250	1.000	—
	5	2.250	1.000	—
	6	2.250	1.000	—
2	1	2.250	1.000	—
	2	2.250	1.000	—
	3	2.250	1.000	—
	4	2.250	1.000	—
	5	2.250	1.000	—
	6	2.250	1.000	—
3	1	2.250	1.000	—
	2	2.250	1.000	—
	3	2.250	1.000	—
	4	2.250	1.000	—
	5	2.250	1.000	—
	6	2.250	1.000	—

利根大堰地点

単位：m³/s

月	半旬	開発水量		
		上水	工水	農水
4	1	32.800	1.100	—
	2	32.800	1.100	—
	3	29.060	1.100	—
	4	24.790	1.100	—
	5	24.790	1.100	—
	6	24.790	1.100	—
5	1	24.790	1.100	—
	2	24.790	1.100	—
	3	24.790	1.100	—
	4	24.790	1.100	—
	5	24.790	1.100	—
	6	24.790	1.100	—
6	1	24.790	1.100	—
	2	24.790	1.100	—
	3	24.790	1.100	—
	4	24.790	1.100	—
	5	24.790	1.100	—
	6	24.790	1.100	—
7	1	24.790	1.100	—
	2	24.790	1.100	—
	3	24.790	1.100	—
	4	24.790	1.100	—
	5	24.790	1.100	—
	6	24.790	1.100	—
8	1	24.790	1.100	—
	2	24.790	1.100	—
	3	24.790	1.100	—
	4	24.790	1.100	—
	5	24.790	1.100	—
	6	24.790	1.100	—
9	1	24.790	1.100	—
	2	24.790	1.100	—
	3	24.790	1.100	—
	4	24.790	1.100	—
	5	24.790	1.100	—
	6	24.790	1.100	—
10	1	34.600	1.100	—
	2	34.600	1.100	—
	3	34.600	1.100	—
	4	34.600	1.100	—
	5	34.600	1.100	—
	6	34.600	1.100	—
11	1	34.600	1.100	—
	2	34.600	1.100	—
	3	34.600	1.100	—
	4	34.600	1.100	—
	5	34.600	1.100	—
	6	34.600	1.100	—
12	1	34.600	1.100	—
	2	34.600	1.100	—
	3	34.600	1.100	—
	4	34.600	1.100	—
	5	34.600	1.100	—
	6	34.600	1.100	—
1	1	34.600	1.100	—
	2	34.600	1.100	—
	3	34.600	1.100	—
	4	34.600	1.100	—
	5	34.600	1.100	—
	6	34.600	1.100	—
2	1	34.600	1.100	—
	2	34.600	1.100	—
	3	34.600	1.100	—
	4	34.600	1.100	—
	5	34.600	1.100	—
	6	34.600	1.100	—
3	1	34.600	1.100	—
	2	34.600	1.100	—
	3	34.600	1.100	—
	4	34.600	1.100	—
	5	34.600	1.100	—
	6	34.600	1.100	—

清洲橋地点

单位: m³/s

月	半旬	開發水量		
		上水	工水	農水
4	1	0.620	—	—
	2	0.620	—	—
	3	0.620	—	—
	4	0.620	—	—
	5	0.620	—	—
	6	0.620	—	—
5	1	0.620	—	—
	2	0.620	—	—
	3	0.620	—	—
	4	0.620	—	—
	5	0.620	—	—
	6	0.620	—	—
6	1	0.620	—	—
	2	0.620	—	—
	3	0.620	—	—
	4	0.620	—	—
	5	0.620	—	—
	6	0.620	—	—
7	1	0.620	—	—
	2	0.620	—	—
	3	0.620	—	—
	4	0.620	—	—
	5	0.620	—	—
	6	0.620	—	—
8	1	0.620	—	—
	2	0.620	—	—
	3	0.620	—	—
	4	0.620	—	—
	5	0.620	—	—
	6	0.620	—	—
9	1	0.620	—	—
	2	0.620	—	—
	3	0.620	—	—
	4	0.620	—	—
	5	0.620	—	—
	6	0.620	—	—
10	1	0.620	—	—
	2	0.620	—	—
	3	0.620	—	—
	4	0.620	—	—
	5	0.620	—	—
	6	0.620	—	—
11	1	0.620	—	—
	2	0.620	—	—
	3	0.620	—	—
	4	0.620	—	—
	5	0.620	—	—
	6	0.620	—	—
12	1	0.620	—	—
	2	0.620	—	—
	3	0.620	—	—
	4	0.620	—	—
	5	0.620	—	—
	6	0.620	—	—
1	1	0.620	—	—
	2	0.620	—	—
	3	0.620	—	—
	4	0.620	—	—
	5	0.620	—	—
	6	0.620	—	—
2	1	0.620	—	—
	2	0.620	—	—
	3	0.620	—	—
	4	0.620	—	—
	5	0.620	—	—
	6	0.620	—	—
3	1	0.620	—	—
	2	0.620	—	—
	3	0.620	—	—
	4	0.620	—	—
	5	0.620	—	—
	6	0.620	—	—

乙女地点

単位: m³/s

月	半旬	開発水量		
		上水	工水	農水
4	1	0.590	—	—
	2	0.590	—	—
	3	0.590	—	—
	4	0.590	—	—
	5	0.590	—	—
	6	0.590	—	—
5	1	0.590	—	—
	2	0.590	—	—
	3	0.590	—	—
	4	0.590	—	—
	5	0.590	—	—
	6	0.590	—	—
6	1	0.590	—	—
	2	0.590	—	—
	3	0.590	—	—
	4	0.590	—	—
	5	0.590	—	—
	6	0.590	—	—
7	1	0.590	—	—
	2	0.590	—	—
	3	0.590	—	—
	4	0.590	—	—
	5	0.590	—	—
	6	0.590	—	—
8	1	0.590	—	—
	2	0.590	—	—
	3	0.590	—	—
	4	0.590	—	—
	5	0.590	—	—
	6	0.590	—	—
9	1	0.590	—	—
	2	0.590	—	—
	3	0.590	—	—
	4	0.590	—	—
	5	0.590	—	—
	6	0.590	—	—
10	1	0.590	—	—
	2	0.590	—	—
	3	0.590	—	—
	4	0.590	—	—
	5	0.590	—	—
	6	0.590	—	—
11	1	0.590	—	—
	2	0.590	—	—
	3	0.590	—	—
	4	0.590	—	—
	5	0.590	—	—
	6	0.590	—	—
12	1	0.590	—	—
	2	0.590	—	—
	3	0.590	—	—
	4	0.590	—	—
	5	0.590	—	—
	6	0.590	—	—
1	1	0.590	—	—
	2	0.590	—	—
	3	0.590	—	—
	4	0.590	—	—
	5	0.590	—	—
	6	0.590	—	—
2	1	0.590	—	—
	2	0.590	—	—
	3	0.590	—	—
	4	0.590	—	—
	5	0.590	—	—
	6	0.590	—	—
3	1	0.590	—	—
	2	0.590	—	—
	3	0.590	—	—
	4	0.590	—	—
	5	0.590	—	—
	6	0.590	—	—

大間々地点

単位：m³/s

月	半旬	開発水量		
		上水	工水	農水
4	1	0.520	0.600	0.140
	2	0.520	0.600	0.140
	3	0.520	0.600	0.380
	4	0.520	0.600	0.380
	5	0.520	0.600	0.230
	6	0.520	0.600	0.230
5	1	0.520	0.600	0.390
	2	0.520	0.600	0.560
	3	0.520	0.600	0.020
	4	0.520	0.600	0.240
	5	0.520	0.600	0.250
	6	0.520	0.600	0.200
6	1	0.520	0.600	0.760
	2	0.520	0.600	0.790
	3	0.000	0.600	0.610
	4	0.000	0.600	0.680
	5	0.000	0.600	0.480
	6	0.000	0.600	0.710
7	1	0.000	0.600	1.070
	2	0.000	0.600	0.470
	3	0.000	0.600	0.880
	4	0.000	0.600	0.610
	5	0.000	0.600	0.160
	6	0.000	0.600	0.810
8	1	0.000	0.600	0.350
	2	0.000	0.600	0.450
	3	0.000	0.600	0.970
	4	0.000	0.600	1.230
	5	0.000	0.600	0.970
	6	0.000	0.600	0.560
9	1	0.000	0.600	0.370
	2	0.000	0.600	0.130
	3	0.000	0.600	0.270
	4	0.000	0.600	0.900
	5	0.000	0.600	0.910
	6	0.520	0.600	0.340
10	1	0.520	0.600	0.010
	2	0.520	0.600	0.010
	3	0.520	0.600	0.110
	4	0.520	0.600	0.110
	5	0.520	0.600	0.130
	6	0.520	0.600	0.130
11	1	0.520	0.600	0.250
	2	0.520	0.600	0.250
	3	0.520	0.600	0.240
	4	0.520	0.600	0.240
	5	0.520	0.600	0.230
	6	0.520	0.600	0.230
12	1	0.520	0.600	0.210
	2	0.520	0.600	0.210
	3	0.520	0.600	0.200
	4	0.520	0.600	0.200
	5	0.520	0.600	0.210
	6	0.520	0.600	0.210
1	1	0.520	0.600	0.120
	2	0.520	0.600	0.120
	3	0.520	0.600	0.150
	4	0.520	0.600	0.150
	5	0.520	0.600	0.200
	6	0.520	0.600	0.200
2	1	0.520	0.600	0.250
	2	0.520	0.600	0.250
	3	0.520	0.600	0.250
	4	0.520	0.600	0.250
	5	0.520	0.600	0.100
	6	0.520	0.600	0.100
3	1	0.520	0.600	0.310
	2	0.520	0.600	0.310
	3	0.520	0.600	0.180
	4	0.520	0.600	0.180
	5	0.520	0.600	0.240
	6	0.520	0.600	0.240

藤岡地点

単位：m³/s

月	半旬	開発水量		
		上水	工水	農水
4	1	0.300	0.300	0.610
	2	0.300	0.300	0.610
	3	0.300	0.300	1.320
	4	0.300	0.300	1.320
	5	0.300	0.300	0.760
	6	0.300	0.300	0.760
5	1	0.300	0.300	0.460
	2	0.300	0.300	0.910
	3	0.300	0.300	0.420
	4	0.300	0.300	0.930
	5	0.300	0.300	1.220
	6	0.300	0.300	1.340
6	1	0.300	0.300	4.020
	2	0.300	0.300	4.610
	3	0.300	0.300	4.330
	4	0.300	0.300	3.820
	5	0.300	0.300	6.100
	6	0.300	0.300	3.910
7	1	0.300	0.300	5.250
	2	0.300	0.300	2.030
	3	0.300	0.300	5.050
	4	0.300	0.300	4.710
	5	0.300	0.300	5.130
	6	0.300	0.300	5.000
8	1	0.300	0.300	3.830
	2	0.300	0.300	2.390
	3	0.300	0.300	5.310
	4	0.300	0.300	4.130
	5	0.300	0.300	3.340
	6	0.300	0.300	1.390
9	1	0.300	0.300	1.010
	2	0.300	0.300	0.260
	3	0.300	0.300	0.390
	4	0.300	0.300	1.010
	5	0.300	0.300	1.030
	6	0.300	0.300	0.270
10	1	0.300	0.300	0.220
	2	0.300	0.300	0.220
	3	0.300	0.300	0.220
	4	0.300	0.300	0.220
	5	0.300	0.300	0.250
	6	0.300	0.300	0.250
11	1	0.300	0.300	0.620
	2	0.300	0.300	0.620
	3	0.300	0.300	0.450
	4	0.300	0.300	0.450
	5	0.300	0.300	0.400
	6	0.300	0.300	0.400
12	1	0.300	0.300	0.560
	2	0.300	0.300	0.560
	3	0.300	0.300	0.530
	4	0.300	0.300	0.530
	5	0.300	0.300	0.560
	6	0.300	0.300	0.560
1	1	0.300	0.300	0.420
	2	0.300	0.300	0.420
	3	0.300	0.300	0.490
	4	0.300	0.300	0.490
	5	0.300	0.300	0.420
	6	0.300	0.300	0.420
2	1	0.300	0.300	0.530
	2	0.300	0.300	0.530
	3	0.300	0.300	0.600
	4	0.300	0.300	0.600
	5	0.300	0.300	0.420
	6	0.300	0.300	0.420
3	1	0.300	0.300	1.110
	2	0.300	0.300	1.110
	3	0.300	0.300	0.610
	4	0.300	0.300	0.610
	5	0.300	0.300	0.820
	6	0.300	0.300	0.820

栗橋地点

単位：m³/s

月	半旬	開発水量		
		上水	工水	農水
4	1	17.190	1.210	—
	2	17.190	1.210	—
	3	17.190	1.210	—
	4	17.190	1.210	—
	5	17.190	1.210	—
	6	17.190	1.210	—
5	1	17.190	1.210	—
	2	17.190	1.210	—
	3	17.190	1.210	—
	4	17.190	1.210	—
	5	17.190	1.210	—
	6	17.190	1.210	—
6	1	17.190	1.210	—
	2	17.190	1.210	—
	3	17.190	1.210	—
	4	17.190	1.210	—
	5	17.190	1.210	—
	6	17.190	1.210	—
7	1	17.190	1.210	—
	2	17.190	1.210	—
	3	17.190	1.210	—
	4	17.190	1.210	—
	5	17.190	1.210	—
	6	17.190	1.210	—
8	1	17.190	1.210	—
	2	17.190	1.210	—
	3	17.190	1.210	—
	4	17.190	1.210	—
	5	17.190	1.210	—
	6	17.190	1.210	—
9	1	17.190	1.210	—
	2	17.190	1.210	—
	3	17.190	1.210	—
	4	17.190	1.210	—
	5	17.190	1.210	—
	6	17.190	1.210	—
10	1	18.820	1.210	—
	2	18.820	1.210	—
	3	18.820	1.210	—
	4	18.820	1.210	—
	5	18.820	1.210	—
	6	18.820	1.210	—
11	1	18.820	1.210	—
	2	18.820	1.210	—
	3	18.820	1.210	—
	4	18.820	1.210	—
	5	18.820	1.210	—
	6	18.820	1.210	—
12	1	18.820	1.210	—
	2	18.820	1.210	—
	3	18.820	1.210	—
	4	18.820	1.210	—
	5	18.820	1.210	—
	6	18.820	1.210	—
1	1	18.820	1.210	—
	2	18.820	1.210	—
	3	18.820	1.210	—
	4	18.820	1.210	—
	5	18.820	1.210	—
	6	18.820	1.210	—
2	1	18.820	1.210	—
	2	18.820	1.210	—
	3	18.820	1.210	—
	4	18.820	1.210	—
	5	18.820	1.210	—
	6	18.820	1.210	—
3	1	18.820	1.210	—
	2	18.820	1.210	—
	3	18.820	1.210	—
	4	18.820	1.210	—
	5	18.820	1.210	—
	6	18.820	1.210	—

西関宿地点

単位: m³/s

月	半旬	開発水量		
		上水	工水	農水
4	1	9.410	0.590	—
	2	9.410	0.590	—
	3	9.410	0.590	—
	4	9.410	0.590	—
	5	9.410	0.590	—
	6	9.410	0.590	—
5	1	9.410	0.590	—
	2	9.410	0.590	—
	3	9.410	0.590	—
	4	9.410	0.590	—
	5	9.410	0.590	—
	6	9.410	0.590	—
6	1	9.410	0.590	—
	2	9.410	0.590	—
	3	9.410	0.590	—
	4	9.410	0.590	—
	5	9.410	0.590	—
	6	9.410	0.590	—
7	1	9.410	0.590	—
	2	9.410	0.590	—
	3	9.410	0.590	—
	4	9.410	0.590	—
	5	9.410	0.590	—
	6	9.410	0.590	—
8	1	9.410	0.590	—
	2	9.410	0.590	—
	3	9.410	0.590	—
	4	9.410	0.590	—
	5	9.410	0.590	—
	6	9.410	0.590	—
9	1	9.410	0.590	—
	2	9.410	0.590	—
	3	9.410	0.590	—
	4	9.410	0.590	—
	5	9.410	0.590	—
	6	9.410	0.590	—
10	1	11.050	0.590	—
	2	11.050	0.590	—
	3	11.050	0.590	—
	4	11.050	0.590	—
	5	11.050	0.590	—
	6	11.050	0.590	—
11	1	11.050	0.590	—
	2	11.050	0.590	—
	3	11.050	0.590	—
	4	11.050	0.590	—
	5	11.050	0.590	—
	6	11.050	0.590	—
12	1	11.050	0.590	—
	2	11.050	0.590	—
	3	11.050	0.590	—
	4	11.050	0.590	—
	5	11.050	0.590	—
	6	11.050	0.590	—
1	1	11.050	0.590	—
	2	11.050	0.590	—
	3	11.050	0.590	—
	4	11.050	0.590	—
	5	11.050	0.590	—
	6	11.050	0.590	—
2	1	11.050	0.590	—
	2	11.050	0.590	—
	3	11.050	0.590	—
	4	11.050	0.590	—
	5	11.050	0.590	—
	6	11.050	0.590	—
3	1	11.050	0.590	—
	2	11.050	0.590	—
	3	11.050	0.590	—
	4	11.050	0.590	—
	5	11.050	0.590	—
	6	11.050	0.590	—

佐貫地点

単位: m³/s

月	半旬	開発水量		
		上水	工水	農水
4	1	2.020	1.830	0.730
	2	2.020	1.830	0.730
	3	2.020	1.830	0.730
	4	2.020	1.830	0.730
	5	2.020	1.830	0.730
	6	2.020	1.830	0.730
5	1	2.020	1.830	2.370
	2	2.020	1.830	0.660
	3	2.020	1.830	0.660
	4	2.020	1.830	0.660
	5	2.020	1.830	0.660
	6	2.020	1.830	0.660
6	1	2.020	1.830	0.940
	2	2.020	1.830	0.940
	3	2.020	1.830	0.940
	4	2.020	1.830	1.050
	5	2.020	1.830	1.630
	6	2.020	1.830	3.040
7	1	2.020	1.830	3.240
	2	2.020	1.830	5.400
	3	2.020	1.830	1.470
	4	2.020	1.830	1.470
	5	2.020	1.830	1.470
	6	2.020	1.830	1.470
8	1	2.020	1.830	1.710
	2	2.020	1.830	1.710
	3	2.020	1.830	1.710
	4	2.020	1.830	1.710
	5	2.020	1.830	1.710
	6	2.020	1.830	1.710
9	1	2.020	1.830	0.600
	2	2.020	1.830	0.600
	3	2.020	1.830	0.600
	4	2.020	1.830	0.600
	5	2.020	1.830	0.600
	6	2.020	1.830	0.600
10	1	2.020	1.830	0.260
	2	2.020	1.830	0.260
	3	2.020	1.830	0.260
	4	2.020	1.830	0.260
	5	2.020	1.830	0.260
	6	2.020	1.830	0.260
11	1	2.020	1.830	0.360
	2	2.020	1.830	0.360
	3	2.020	1.830	0.360
	4	2.020	1.830	0.360
	5	2.020	1.830	0.360
	6	2.020	1.830	0.360
12	1	2.020	1.830	0.360
	2	2.020	1.830	0.360
	3	2.020	1.830	0.360
	4	2.020	1.830	0.360
	5	2.020	1.830	0.360
	6	2.020	1.830	0.360
1	1	2.020	1.830	0.380
	2	2.020	1.830	0.380
	3	2.020	1.830	0.380
	4	2.020	1.830	0.380
	5	2.020	1.830	0.380
	6	2.020	1.830	0.380
2	1	2.020	1.830	0.410
	2	2.020	1.830	0.410
	3	2.020	1.830	0.410
	4	2.020	1.830	0.410
	5	2.020	1.830	0.410
	6	2.020	1.830	0.410
3	1	2.020	1.830	0.370
	2	2.020	1.830	0.370
	3	2.020	1.830	0.370
	4	2.020	1.830	0.370
	5	2.020	1.830	0.370
	6	2.020	1.830	0.370

水海道地点

単位：m³/s

月	半旬	開発水量		
		上水	工水	農水
4	1	0.220	—	—
	2	0.220	—	—
	3	0.220	—	—
	4	0.220	—	—
	5	0.220	—	—
	6	0.220	—	—
5	1	0.220	—	—
	2	0.220	—	—
	3	0.220	—	—
	4	0.220	—	—
	5	0.220	—	—
	6	0.220	—	—
6	1	0.220	—	—
	2	0.220	—	—
	3	0.220	—	—
	4	0.220	—	—
	5	0.220	—	—
	6	0.220	—	—
7	1	0.220	—	—
	2	0.220	—	—
	3	0.220	—	—
	4	0.220	—	—
	5	0.220	—	—
	6	0.220	—	—
8	1	0.220	—	—
	2	0.220	—	—
	3	0.220	—	—
	4	0.220	—	—
	5	0.220	—	—
	6	0.220	—	—
9	1	0.220	—	—
	2	0.220	—	—
	3	0.220	—	—
	4	0.220	—	—
	5	0.220	—	—
	6	0.220	—	—
10	1	0.220	—	—
	2	0.220	—	—
	3	0.220	—	—
	4	0.220	—	—
	5	0.220	—	—
	6	0.220	—	—
11	1	0.220	—	—
	2	0.220	—	—
	3	0.220	—	—
	4	0.220	—	—
	5	0.220	—	—
	6	0.220	—	—
12	1	0.220	—	—
	2	0.220	—	—
	3	0.220	—	—
	4	0.220	—	—
	5	0.220	—	—
	6	0.220	—	—
1	1	0.220	—	—
	2	0.220	—	—
	3	0.220	—	—
	4	0.220	—	—
	5	0.220	—	—
	6	0.220	—	—
2	1	0.220	—	—
	2	0.220	—	—
	3	0.220	—	—
	4	0.220	—	—
	5	0.220	—	—
	6	0.220	—	—
3	1	0.220	—	—
	2	0.220	—	—
	3	0.220	—	—
	4	0.220	—	—
	5	0.220	—	—
	6	0.220	—	—

布川地点

単位：m³/s

月	半旬	開発水量		
		上水	工水	農水
4	1	4.019	1.741	0.650
	2	4.019	1.741	0.650
	3	4.019	1.741	0.650
	4	4.019	1.741	0.650
	5	4.019	1.741	0.650
	6	4.019	1.741	2.710
5	1	4.019	1.741	2.920
	2	4.019	1.741	2.920
	3	4.019	1.741	1.170
	4	4.019	1.741	1.170
	5	4.019	1.741	2.410
	6	4.019	1.741	2.410
6	1	4.019	1.741	2.440
	2	4.019	1.741	2.440
	3	4.019	1.741	2.440
	4	4.019	1.741	2.440
	5	4.019	1.741	2.440
	6	4.019	1.741	2.440
7	1	4.019	1.741	3.340
	2	4.019	1.741	5.140
	3	4.019	1.741	5.140
	4	4.019	1.741	5.140
	5	4.019	1.741	5.140
	6	4.019	1.741	5.720
8	1	4.019	1.741	5.090
	2	4.019	1.741	4.760
	3	4.019	1.741	3.340
	4	4.019	1.741	3.340
	5	4.019	1.741	3.340
	6	4.019	1.741	3.340
9	1	4.019	1.741	0.520
	2	4.019	1.741	0.520
	3	4.019	1.741	0.520
	4	4.019	1.741	0.520
	5	4.019	1.741	0.520
	6	4.019	1.741	0.520
10	1	4.019	1.741	0.180
	2	4.019	1.741	0.180
	3	4.019	1.741	0.180
	4	4.019	1.741	0.180
	5	4.019	1.741	0.180
	6	4.019	1.741	0.180
11	1	4.019	1.741	0.270
	2	4.019	1.741	0.270
	3	4.019	1.741	0.270
	4	4.019	1.741	0.270
	5	4.019	1.741	0.270
	6	4.019	1.741	0.270
12	1	4.019	1.741	0.370
	2	4.019	1.741	0.370
	3	4.019	1.741	0.370
	4	4.019	1.741	0.370
	5	4.019	1.741	0.370
	6	4.019	1.741	0.370
1	1	4.019	1.741	0.220
	2	4.019	1.741	0.220
	3	4.019	1.741	0.220
	4	4.019	1.741	0.220
	5	4.019	1.741	0.220
	6	4.019	1.741	0.220
2	1	4.019	1.741	0.210
	2	4.019	1.741	0.210
	3	4.019	1.741	0.210
	4	4.019	1.741	0.210
	5	4.019	1.741	0.210
	6	4.019	1.741	0.210
3	1	4.019	1.741	0.130
	2	4.019	1.741	0.130
	3	4.019	1.741	0.130
	4	4.019	1.741	0.130
	5	4.019	1.741	0.130
	6	4.019	1.741	0.130

河口堰地点

单位: m³/s

月	半旬	開發水量		
		上水	工水	農水
4	1	18.760	1.240	0.820
	2	18.760	1.240	0.820
	3	18.760	1.240	0.820
	4	18.760	1.240	0.820
	5	18.760	1.240	0.820
	6	18.760	1.240	0.820
5	1	18.760	1.240	1.330
	2	18.760	1.240	1.330
	3	18.760	1.240	1.330
	4	18.760	1.240	1.330
	5	18.760	1.240	1.330
	6	18.760	1.240	1.330
6	1	18.760	1.240	2.070
	2	18.760	1.240	2.070
	3	18.760	1.240	2.070
	4	18.760	1.240	2.070
	5	18.760	1.240	2.070
	6	18.760	1.240	2.070
7	1	18.760	1.240	3.720
	2	18.760	1.240	3.720
	3	18.760	1.240	3.720
	4	18.760	1.240	3.720
	5	18.760	1.240	3.720
	6	18.760	1.240	3.720
8	1	18.760	1.240	3.300
	2	18.760	1.240	3.300
	3	18.760	1.240	3.300
	4	18.760	1.240	3.300
	5	18.760	1.240	3.300
	6	18.760	1.240	3.300
9	1	18.760	1.240	1.160
	2	18.760	1.240	1.160
	3	18.760	1.240	1.160
	4	18.760	1.240	1.160
	5	18.760	1.240	1.160
	6	18.760	1.240	1.160
10	1	18.760	1.240	0.280
	2	18.760	1.240	0.280
	3	18.760	1.240	0.280
	4	18.760	1.240	0.280
	5	18.760	1.240	0.280
	6	18.760	1.240	0.280
11	1	18.760	1.240	0.420
	2	18.760	1.240	0.420
	3	18.760	1.240	0.420
	4	18.760	1.240	0.420
	5	18.760	1.240	0.420
	6	18.760	1.240	0.420
12	1	18.760	1.240	0.330
	2	18.760	1.240	0.330
	3	18.760	1.240	0.330
	4	18.760	1.240	0.330
	5	18.760	1.240	0.330
	6	18.760	1.240	0.330
1	1	18.760	1.240	0.380
	2	18.760	1.240	0.380
	3	18.760	1.240	0.380
	4	18.760	1.240	0.380
	5	18.760	1.240	0.380
	6	18.760	1.240	0.380
2	1	18.760	1.240	0.480
	2	18.760	1.240	0.480
	3	18.760	1.240	0.480
	4	18.760	1.240	0.480
	5	18.760	1.240	0.480
	6	18.760	1.240	0.480
3	1	18.760	1.240	0.390
	2	18.760	1.240	0.390
	3	18.760	1.240	0.390
	4	18.760	1.240	0.390
	5	18.760	1.240	0.390
	6	18.760	1.240	0.390

⑤既得水利権による取水地点ごとの用途別の月別取水量
既得水利権による用途別の取水量は次のとおりである。

岩本地点

单位: m³/s

月	半旬	既得取水量		
		上水	工水	農水
4	1	0.027	1.504	—
	2	0.027	1.504	—
	3	0.027	1.504	—
	4	0.027	1.504	—
	5	0.027	1.504	—
	6	0.027	1.504	—
5	1	0.027	1.504	—
	2	0.027	1.504	—
	3	0.027	1.504	—
	4	0.027	1.504	—
	5	0.027	1.504	—
	6	0.027	1.504	—
6	1	0.027	1.504	—
	2	0.027	1.504	—
	3	0.027	1.504	—
	4	0.027	1.504	—
	5	0.027	1.504	—
	6	0.027	1.504	—
7	1	0.027	1.504	—
	2	0.027	1.504	—
	3	0.027	1.504	—
	4	0.027	1.504	—
	5	0.027	1.504	—
	6	0.027	1.504	—
8	1	0.027	1.504	—
	2	0.027	1.504	—
	3	0.027	1.504	—
	4	0.027	1.504	—
	5	0.027	1.504	—
	6	0.027	1.504	—
9	1	0.027	1.504	—
	2	0.027	1.504	—
	3	0.027	1.504	—
	4	0.027	1.504	—
	5	0.027	1.504	—
	6	0.027	1.504	—
10	1	0.027	1.504	—
	2	0.027	1.504	—
	3	0.027	1.504	—
	4	0.027	1.504	—
	5	0.027	1.504	—
	6	0.027	1.504	—
11	1	0.027	1.504	—
	2	0.027	1.504	—
	3	0.027	1.504	—
	4	0.027	1.504	—
	5	0.027	1.504	—
	6	0.027	1.504	—
12	1	0.027	1.504	—
	2	0.027	1.504	—
	3	0.027	1.504	—
	4	0.027	1.504	—
	5	0.027	1.504	—
	6	0.027	1.504	—
1	1	0.027	1.504	—
	2	0.027	1.504	—
	3	0.027	1.504	—
	4	0.027	1.504	—
	5	0.027	1.504	—
	6	0.027	1.504	—
2	1	0.027	1.504	—
	2	0.027	1.504	—
	3	0.027	1.504	—
	4	0.027	1.504	—
	5	0.027	1.504	—
	6	0.027	1.504	—
3	1	0.027	1.504	—
	2	0.027	1.504	—
	3	0.027	1.504	—
	4	0.027	1.504	—
	5	0.027	1.504	—
	6	0.027	1.504	—

波川地点

単位: m³/s

月	半旬	既得取水量		
		上水	工水	農水
4	1	0.500	0.000	18.662
	2	0.500	0.000	18.877
	3	0.500	0.000	17.066
	4	0.500	0.000	19.529
	5	0.500	0.000	19.739
	6	0.500	0.000	19.279
5	1	0.500	0.000	19.330
	2	0.500	0.000	19.622
	3	0.500	0.000	22.188
	4	0.500	0.000	22.231
	5	0.500	0.000	22.830
	6	0.500	0.000	22.830
6	1	2.500	1.000	30.710
	2	2.500	1.000	30.934
	3	2.500	1.000	31.876
	4	2.500	1.000	34.489
	5	2.500	1.000	38.652
	6	2.500	1.000	54.208
7	1	2.500	1.000	47.804
	2	2.500	1.000	47.361
	3	2.500	1.000	46.025
	4	2.500	1.000	47.361
	5	2.500	1.000	46.424
	6	2.500	1.000	41.012
8	1	2.500	1.000	33.992
	2	2.500	1.000	37.711
	3	2.500	1.000	41.819
	4	2.500	1.000	47.464
	5	2.500	1.000	48.644
	6	2.500	1.000	42.106
9	1	2.500	1.000	42.916
	2	2.500	1.000	40.496
	3	2.500	1.000	41.046
	4	2.500	1.000	43.961
	5	2.500	1.000	44.914
	6	0.500	0.000	21.470
10	1	0.500	0.000	18.502
	2	0.500	0.000	17.593
	3	0.500	0.000	18.502
	4	0.500	0.000	18.043
	5	0.500	0.000	18.502
	6	0.500	0.000	17.408
11	1	0.500	0.000	18.195
	2	0.500	0.000	18.502
	3	0.500	0.000	17.845
	4	0.500	0.000	18.502
	5	0.500	0.000	18.314
	6	0.500	0.000	18.502
12	1	0.500	0.000	15.852
	2	0.500	0.000	15.852
	3	0.500	0.000	15.852
	4	0.500	0.000	15.852
	5	0.500	0.000	15.635
	6	0.500	0.000	15.852
1	1	0.500	0.000	15.852
	2	0.500	0.000	15.852
	3	0.500	0.000	15.852
	4	0.500	0.000	15.852
	5	0.500	0.000	15.852
	6	0.500	0.000	15.668
2	1	0.500	0.000	15.852
	2	0.500	0.000	15.573
	3	0.500	0.000	15.852
	4	0.500	0.000	15.852
	5	0.500	0.000	15.852
	6	0.500	0.000	15.852
3	1	0.500	0.000	15.519
	2	0.500	0.000	15.904
	3	0.500	0.000	15.603
	4	0.500	0.000	17.790
	5	0.500	0.000	18.662
	6	0.500	0.000	17.800

若泉地点

单位: m³/s

月	半旬	既得取水量		
		上水	工水	農水
4	1	—	—	1.610
	2	—	—	1.610
	3	—	—	1.610
	4	—	—	1.610
	5	—	—	1.610
	6	—	—	1.610
5	1	—	—	1.610
	2	—	—	1.610
	3	—	—	1.610
	4	—	—	1.810
	5	—	—	2.680
	6	—	—	2.980
6	1	—	—	3.570
	2	—	—	4.010
	3	—	—	3.850
	4	—	—	5.020
	5	—	—	5.880
	6	—	—	8.860
7	1	—	—	8.700
	2	—	—	8.700
	3	—	—	9.390
	4	—	—	10.430
	5	—	—	11.050
	6	—	—	9.440
8	1	—	—	10.840
	2	—	—	9.460
	3	—	—	9.160
	4	—	—	10.460
	5	—	—	9.840
	6	—	—	7.680
9	1	—	—	7.280
	2	—	—	7.350
	3	—	—	5.800
	4	—	—	5.030
	5	—	—	5.030
	6	—	—	4.930
10	1	—	—	4.240
	2	—	—	1.610
	3	—	—	1.610
	4	—	—	1.770
	5	—	—	1.770
	6	—	—	1.610
11	1	—	—	1.610
	2	—	—	1.610
	3	—	—	1.610
	4	—	—	1.610
	5	—	—	1.610
	6	—	—	1.640
12	1	—	—	1.610
	2	—	—	1.610
	3	—	—	1.610
	4	—	—	1.640
	5	—	—	1.610
	6	—	—	1.610
1	1	—	—	1.610
	2	—	—	1.610
	3	—	—	1.610
	4	—	—	1.610
	5	—	—	1.610
	6	—	—	1.620
2	1	—	—	1.620
	2	—	—	1.620
	3	—	—	1.620
	4	—	—	1.620
	5	—	—	1.620
	6	—	—	1.620
3	1	—	—	1.620
	2	—	—	1.620
	3	—	—	1.620
	4	—	—	1.620
	5	—	—	1.610
	6	—	—	1.610

利根大堰地点

单位: m³/s

月	半旬	既得取水量		
		上水	工水	農水
4	1	2.500	—	21.300
	2	2.500	—	21.300
	3	6.250	—	19.510
	4	10.510	—	20.120
	5	10.510	—	21.850
	6	10.510	—	30.540
5	1	10.510	—	28.140
	2	10.510	—	46.080
	3	10.510	—	50.480
	4	10.510	—	51.470
	5	10.510	—	54.640
	6	10.510	—	58.230
6	1	10.510	—	50.290
	2	10.510	—	55.150
	3	10.510	—	61.140
	4	10.510	—	48.070
	5	10.510	—	65.530
	6	10.510	—	58.530
7	1	10.510	—	59.460
	2	10.510	—	36.190
	3	10.510	—	58.570
	4	10.510	—	51.480
	5	10.510	—	62.690
	6	10.510	—	63.790
8	1	10.510	—	63.070
	2	10.510	—	60.750
	3	10.510	—	61.440
	4	10.510	—	28.530
	5	10.510	—	39.970
	6	10.510	—	27.480
9	1	10.510	—	26.050
	2	10.510	—	20.390
	3	10.510	—	18.370
	4	10.510	—	13.840
	5	10.510	—	7.330
	6	10.510	—	4.560
10	1	0.500	—	0.000
	2	0.500	—	0.000
	3	0.500	—	0.000
	4	0.500	—	0.000
	5	0.500	—	0.000
	6	0.500	—	0.000
11	1	0.500	—	0.000
	2	0.500	—	0.000
	3	0.500	—	0.000
	4	0.500	—	0.000
	5	0.500	—	0.000
	6	0.500	—	0.000
12	1	0.500	—	0.000
	2	0.500	—	0.000
	3	0.500	—	0.000
	4	0.500	—	0.000
	5	0.500	—	0.000
	6	0.500	—	0.000
1	1	0.500	—	0.000
	2	0.500	—	0.000
	3	0.500	—	0.000
	4	0.500	—	0.000
	5	0.500	—	0.000
	6	0.500	—	0.000
2	1	0.500	—	0.000
	2	0.500	—	0.000
	3	0.500	—	0.000
	4	0.500	—	0.000
	5	0.500	—	0.000
	6	0.500	—	0.000
3	1	0.500	—	0.000
	2	0.500	—	0.000
	3	0.500	—	0.000
	4	0.500	—	0.000
	5	0.500	—	0.000
	6	0.500	—	0.000

清洲橋地点

单位: m³/s

月	半旬	既得取水量			
		上水	工水	農水	
4	1	—	—	—	1.200
	2	—	—	—	1.200
	3	—	—	—	2.000
	4	—	—	—	2.000
	5	—	—	—	2.000
	6	—	—	—	2.000
5	1	—	—	—	3.000
	2	—	—	—	3.000
	3	—	—	—	3.000
	4	—	—	—	3.000
	5	—	—	—	3.000
	6	—	—	—	3.000
6	1	—	—	—	3.000
	2	—	—	—	3.000
	3	—	—	—	3.000
	4	—	—	—	3.000
	5	—	—	—	3.000
	6	—	—	—	3.000
7	1	—	—	—	3.000
	2	—	—	—	3.000
	3	—	—	—	3.000
	4	—	—	—	3.000
	5	—	—	—	3.000
	6	—	—	—	3.000
8	1	—	—	—	3.000
	2	—	—	—	3.000
	3	—	—	—	3.000
	4	—	—	—	3.000
	5	—	—	—	3.000
	6	—	—	—	3.000
9	1	—	—	—	3.000
	2	—	—	—	3.000
	3	—	—	—	3.000
	4	—	—	—	3.000
	5	—	—	—	1.800
	6	—	—	—	1.800
10	1	—	—	—	0.000
	2	—	—	—	0.000
	3	—	—	—	0.000
	4	—	—	—	0.000
	5	—	—	—	0.000
	6	—	—	—	0.000
11	1	—	—	—	0.000
	2	—	—	—	0.000
	3	—	—	—	0.000
	4	—	—	—	0.000
	5	—	—	—	0.000
	6	—	—	—	0.000
12	1	—	—	—	0.000
	2	—	—	—	0.000
	3	—	—	—	0.000
	4	—	—	—	0.000
	5	—	—	—	0.000
	6	—	—	—	0.000
1	1	—	—	—	0.000
	2	—	—	—	0.000
	3	—	—	—	0.000
	4	—	—	—	0.000
	5	—	—	—	0.000
	6	—	—	—	0.000
2	1	—	—	—	0.000
	2	—	—	—	0.000
	3	—	—	—	0.000
	4	—	—	—	0.000
	5	—	—	—	0.000
	6	—	—	—	0.000
3	1	—	—	—	0.000
	2	—	—	—	0.000
	3	—	—	—	0.000
	4	—	—	—	0.000
	5	—	—	—	0.000
	6	—	—	—	0.000

乙女地点

単位：m³/s

月	半旬	既得取水量		
		上水	工水	農水
4	1	—	—	0.500
	2	—	—	0.500
	3	—	—	0.800
	4	—	—	0.800
	5	—	—	0.800
	6	—	—	0.800
5	1	—	—	1.200
	2	—	—	1.200
	3	—	—	1.200
	4	—	—	1.200
	5	—	—	1.200
	6	—	—	1.200
6	1	—	—	1.200
	2	—	—	1.200
	3	—	—	1.200
	4	—	—	1.200
	5	—	—	1.200
	6	—	—	1.200
7	1	—	—	1.200
	2	—	—	1.200
	3	—	—	1.200
	4	—	—	1.200
	5	—	—	1.200
	6	—	—	1.200
8	1	—	—	1.200
	2	—	—	1.200
	3	—	—	1.200
	4	—	—	1.200
	5	—	—	1.200
	6	—	—	1.200
9	1	—	—	1.200
	2	—	—	1.200
	3	—	—	1.200
	4	—	—	1.200
	5	—	—	0.700
	6	—	—	0.700
10	1	—	—	0.000
	2	—	—	0.000
	3	—	—	0.000
	4	—	—	0.000
	5	—	—	0.000
	6	—	—	0.000
11	1	—	—	0.000
	2	—	—	0.000
	3	—	—	0.000
	4	—	—	0.000
	5	—	—	0.000
	6	—	—	0.000
12	1	—	—	0.000
	2	—	—	0.000
	3	—	—	0.000
	4	—	—	0.000
	5	—	—	0.000
	6	—	—	0.000
1	1	—	—	0.000
	2	—	—	0.000
	3	—	—	0.000
	4	—	—	0.000
	5	—	—	0.000
	6	—	—	0.000
2	1	—	—	0.000
	2	—	—	0.000
	3	—	—	0.000
	4	—	—	0.000
	5	—	—	0.000
	6	—	—	0.000
3	1	—	—	0.000
	2	—	—	0.000
	3	—	—	0.000
	4	—	—	0.000
	5	—	—	0.000
	6	—	—	0.000

大間々地点

単位：m³/s

月	半旬	既得取水量		
		上水	工水	農水
4	1	0.320	0.012	2.498
	2	0.320	0.012	2.498
	3	0.320	0.012	2.498
	4	0.320	0.012	2.498
	5	0.320	0.012	2.498
	6	0.320	0.012	2.498
5	1	0.320	0.012	2.526
	2	0.320	0.012	2.526
	3	0.320	0.012	2.906
	4	0.320	0.012	3.596
	5	0.320	0.012	6.506
	6	0.320	0.012	6.406
6	1	0.320	0.012	8.496
	2	0.320	0.012	10.866
	3	0.840	0.012	12.694
	4	0.840	0.012	11.989
	5	0.840	0.012	13.953
	6	0.840	0.012	11.858
7	1	0.840	0.012	11.631
	2	0.840	0.012	9.791
	3	0.840	0.012	8.590
	4	0.840	0.012	10.250
	5	0.840	0.012	10.240
	6	0.840	0.012	8.795
8	1	0.840	0.012	10.381
	2	0.840	0.012	7.831
	3	0.840	0.012	4.531
	4	0.840	0.012	9.311
	5	0.840	0.012	9.345
	6	0.840	0.012	8.010
9	1	0.840	0.012	3.290
	2	0.840	0.012	4.820
	3	0.840	0.012	5.230
	4	0.840	0.012	6.000
	5	0.840	0.012	3.200
	6	0.320	0.012	2.643
10	1	0.320	0.012	2.498
	2	0.320	0.012	2.498
	3	0.320	0.012	2.498
	4	0.320	0.012	2.498
	5	0.320	0.012	2.498
	6	0.320	0.012	2.498
11	1	0.320	0.012	2.498
	2	0.320	0.012	2.498
	3	0.320	0.012	2.498
	4	0.320	0.012	2.498
	5	0.320	0.012	2.498
	6	0.320	0.012	2.498
12	1	0.320	0.012	2.498
	2	0.320	0.012	2.498
	3	0.320	0.012	2.498
	4	0.320	0.012	2.498
	5	0.320	0.012	2.498
	6	0.320	0.012	2.498
1	1	0.320	0.012	2.498
	2	0.320	0.012	2.498
	3	0.320	0.012	2.498
	4	0.320	0.012	2.498
	5	0.320	0.012	2.498
	6	0.320	0.012	2.498
2	1	0.320	0.012	2.498
	2	0.320	0.012	2.498
	3	0.320	0.012	2.498
	4	0.320	0.012	2.498
	5	0.320	0.012	2.498
	6	0.320	0.012	2.498
3	1	0.320	0.012	2.498
	2	0.320	0.012	2.498
	3	0.320	0.012	2.498
	4	0.320	0.012	2.498
	5	0.320	0.012	2.498
	6	0.320	0.012	2.498

藤岡地点

単位：m³/s

月	半旬	既得取水量		
		上水	工水	農水
4	1	—	—	1.030
	2	—	—	1.030
	3	—	—	1.030
	4	—	—	1.030
	5	—	—	1.030
	6	—	—	1.030
5	1	—	—	1.010
	2	—	—	1.010
	3	—	—	1.150
	4	—	—	1.370
	5	—	—	1.960
	6	—	—	2.826
6	1	—	—	3.250
	2	—	—	3.971
	3	—	—	5.391
	4	—	—	6.494
	5	—	—	6.694
	6	—	—	8.064
7	1	—	—	5.704
	2	—	—	5.109
	3	—	—	4.716
	4	—	—	5.126
	5	—	—	4.903
	6	—	—	3.970
8	1	—	—	5.253
	2	—	—	3.783
	3	—	—	4.260
	4	—	—	4.495
	5	—	—	4.675
	6	—	—	3.668
9	1	—	—	3.398
	2	—	—	1.838
	3	—	—	2.358
	4	—	—	2.588
	5	—	—	3.058
	6	—	—	1.198
10	1	—	—	1.030
	2	—	—	1.030
	3	—	—	1.040
	4	—	—	1.040
	5	—	—	1.040
	6	—	—	1.040
11	1	—	—	1.030
	2	—	—	1.030
	3	—	—	1.030
	4	—	—	1.030
	5	—	—	1.030
	6	—	—	1.030
12	1	—	—	1.030
	2	—	—	1.030
	3	—	—	1.030
	4	—	—	1.030
	5	—	—	1.030
	6	—	—	1.030
1	1	—	—	1.030
	2	—	—	1.030
	3	—	—	1.030
	4	—	—	1.030
	5	—	—	1.030
	6	—	—	1.030
2	1	—	—	1.030
	2	—	—	1.030
	3	—	—	1.030
	4	—	—	1.030
	5	—	—	1.030
	6	—	—	1.030
3	1	—	—	1.030
	2	—	—	1.030
	3	—	—	1.030
	4	—	—	1.030
	5	—	—	1.030
	6	—	—	1.030

栗橋地点

単位：m³/s

月	半旬	既得取水量			
		上水	工水	農水	その他
4	1	9.392	1.194	6.292	0.500
	2	9.392	1.194	6.637	0.500
	3	9.392	1.194	6.944	0.500
	4	9.392	1.194	6.944	0.500
	5	9.392	1.194	6.944	0.500
	6	9.392	1.194	9.933	0.500
5	1	9.392	1.194	18.515	0.500
	2	9.392	1.194	18.591	0.500
	3	9.392	1.194	18.797	0.500
	4	9.392	1.194	18.797	0.500
	5	9.392	1.194	18.770	0.500
	6	9.392	1.194	18.667	0.500
6	1	9.392	1.194	19.022	0.500
	2	9.392	1.194	19.022	0.500
	3	9.392	1.194	19.022	0.500
	4	9.392	1.194	18.312	0.500
	5	9.392	1.194	18.312	0.500
	6	9.392	1.194	18.312	0.500
7	1	9.392	1.194	18.412	0.500
	2	9.392	1.194	18.412	0.500
	3	9.392	1.194	18.412	0.500
	4	9.392	1.194	18.369	0.500
	5	9.392	1.194	18.266	0.500
	6	9.392	1.194	18.266	0.500
8	1	9.392	1.194	18.190	0.500
	2	9.392	1.194	18.190	0.500
	3	9.392	1.194	18.180	0.500
	4	9.392	1.194	18.180	0.500
	5	9.392	1.194	15.323	0.500
	6	9.392	1.194	15.323	0.500
9	1	9.392	1.194	8.639	0.500
	2	9.392	1.194	8.639	0.500
	3	9.392	1.194	8.639	0.500
	4	9.392	1.194	6.364	0.500
	5	9.392	1.194	6.364	0.500
	6	9.392	1.194	6.364	0.500
10	1	7.102	1.194	3.976	0.500
	2	7.102	1.194	3.976	0.500
	3	7.102	1.194	3.976	0.500
	4	7.102	1.194	3.976	0.500
	5	7.102	1.194	3.976	0.500
	6	7.102	1.194	3.976	0.500
11	1	7.102	1.194	1.436	0.500
	2	7.102	1.194	1.436	0.500
	3	7.102	1.194	1.436	0.500
	4	7.102	1.194	1.436	0.500
	5	7.102	1.194	1.436	0.500
	6	7.102	1.194	1.436	0.500
12	1	7.102	1.194	1.436	0.500
	2	7.102	1.194	1.436	0.500
	3	7.102	1.194	1.436	0.500
	4	7.102	1.194	1.436	0.500
	5	7.102	1.194	1.436	0.500
	6	7.102	1.194	1.436	0.500
1	1	7.102	1.194	1.436	0.500
	2	7.102	1.194	1.436	0.500
	3	7.102	1.194	1.436	0.500
	4	7.102	1.194	1.436	0.500
	5	7.102	1.194	1.436	0.500
	6	7.102	1.194	1.436	0.500
2	1	7.102	1.194	1.436	0.500
	2	7.102	1.194	1.436	0.500
	3	7.102	1.194	1.436	0.500
	4	7.102	1.194	1.436	0.500
	5	7.102	1.194	1.436	0.500
	6	7.102	1.194	1.436	0.500
3	1	7.102	1.194	1.436	0.500
	2	7.102	1.194	1.436	0.500
	3	7.102	1.194	1.436	0.500
	4	7.102	1.194	1.436	0.500
	5	7.102	1.194	1.436	0.500
	6	7.102	1.194	1.436	0.500

※その他は「権現堂浄化用水」

西関宿地点

単位: m³/s

月	半旬	既得取水量		
		上水	工水	農水
4	1	9.392	1.194	5.508
	2	9.392	1.194	5.828
	3	9.392	1.194	5.871
	4	9.392	1.194	5.871
	5	9.392	1.194	5.871
	6	9.392	1.194	8.635
5	1	9.392	1.194	8.635
	2	9.392	1.194	8.635
	3	9.392	1.194	10.043
	4	9.392	1.194	10.043
	5	9.392	1.194	10.043
	6	9.392	1.194	10.043
6	1	9.392	1.194	10.140
	2	9.392	1.194	10.140
	3	9.392	1.194	10.140
	4	9.392	1.194	9.430
	5	9.392	1.194	9.430
	6	9.392	1.194	9.430
7	1	9.392	1.194	9.430
	2	9.392	1.194	9.430
	3	9.392	1.194	9.430
	4	9.392	1.194	9.387
	5	9.392	1.194	9.387
	6	9.392	1.194	9.387
8	1	9.392	1.194	9.340
	2	9.392	1.194	9.340
	3	9.392	1.194	9.340
	4	9.392	1.194	9.340
	5	9.392	1.194	9.340
	6	9.392	1.194	9.340
9	1	9.392	1.194	8.508
	2	9.392	1.194	8.508
	3	9.392	1.194	8.508
	4	9.392	1.194	6.233
	5	9.392	1.194	6.233
	6	9.392	1.194	6.233
10	1	7.102	1.194	3.976
	2	7.102	1.194	3.976
	3	7.102	1.194	3.976
	4	7.102	1.194	3.976
	5	7.102	1.194	3.976
	6	7.102	1.194	3.976
11	1	7.102	1.194	1.436
	2	7.102	1.194	1.436
	3	7.102	1.194	1.436
	4	7.102	1.194	1.436
	5	7.102	1.194	1.436
	6	7.102	1.194	1.436
12	1	7.102	1.194	1.436
	2	7.102	1.194	1.436
	3	7.102	1.194	1.436
	4	7.102	1.194	1.436
	5	7.102	1.194	1.436
	6	7.102	1.194	1.436
1	1	7.102	1.194	1.436
	2	7.102	1.194	1.436
	3	7.102	1.194	1.436
	4	7.102	1.194	1.436
	5	7.102	1.194	1.436
	6	7.102	1.194	1.436
2	1	7.102	1.194	1.436
	2	7.102	1.194	1.436
	3	7.102	1.194	1.436
	4	7.102	1.194	1.436
	5	7.102	1.194	1.436
	6	7.102	1.194	1.436
3	1	7.102	1.194	1.436
	2	7.102	1.194	1.436
	3	7.102	1.194	1.436
	4	7.102	1.194	1.436
	5	7.102	1.194	1.436
	6	7.102	1.194	1.436

佐貫地点

単位：m³/s

月	半旬	既得取水量		
		上水	工水	農水
4	1	—	—	3.000
	2	—	—	3.250
	3	—	—	3.250
	4	—	—	21.100
	5	—	—	38.810
	6	—	—	42.550
5	1	—	—	45.760
	2	—	—	32.090
	3	—	—	39.410
	4	—	—	35.080
	5	—	—	39.270
	6	—	—	36.110
6	1	—	—	35.380
	2	—	—	33.600
	3	—	—	37.470
	4	—	—	34.820
	5	—	—	31.360
	6	—	—	36.960
7	1	—	—	34.060
	2	—	—	38.290
	3	—	—	23.550
	4	—	—	38.350
	5	—	—	38.290
	6	—	—	31.570
8	1	—	—	38.630
	2	—	—	30.520
	3	—	—	14.510
	4	—	—	29.190
	5	—	—	29.940
	6	—	—	22.090
9	1	—	—	11.520
	2	—	—	10.260
	3	—	—	3.250
	4	—	—	3.250
	5	—	—	3.030
	6	—	—	3.100
10	1	—	—	3.120
	2	—	—	3.030
	3	—	—	3.060
	4	—	—	3.080
	5	—	—	3.090
	6	—	—	3.000
11	1	—	—	3.000
	2	—	—	3.000
	3	—	—	3.000
	4	—	—	3.000
	5	—	—	3.000
	6	—	—	3.000
12	1	—	—	3.000
	2	—	—	3.000
	3	—	—	3.000
	4	—	—	3.000
	5	—	—	3.000
	6	—	—	3.000
1	1	—	—	3.000
	2	—	—	3.000
	3	—	—	3.000
	4	—	—	3.000
	5	—	—	3.000
	6	—	—	3.000
2	1	—	—	3.000
	2	—	—	3.000
	3	—	—	3.000
	4	—	—	3.000
	5	—	—	3.000
	6	—	—	3.000
3	1	—	—	3.000
	2	—	—	3.000
	3	—	—	3.000
	4	—	—	3.000
	5	—	—	3.000
	6	—	—	3.000

勝瓜地点

单位: m³/s

月	半旬	既得取水量		
		上水	工水	農水
4	1	—	—	4.920
	2	—	—	4.940
	3	—	—	4.970
	4	—	—	4.950
	5	—	—	9.040
	6	—	—	13.600
5	1	—	—	16.410
	2	—	—	11.740
	3	—	—	18.110
	4	—	—	12.290
	5	—	—	16.180
	6	—	—	17.310
6	1	—	—	17.980
	2	—	—	17.980
	3	—	—	18.490
	4	—	—	19.270
	5	—	—	17.740
	6	—	—	18.150
7	1	—	—	19.150
	2	—	—	19.330
	3	—	—	18.900
	4	—	—	20.070
	5	—	—	20.140
	6	—	—	18.550
8	1	—	—	19.540
	2	—	—	15.680
	3	—	—	13.570
	4	—	—	11.110
	5	—	—	17.430
	6	—	—	17.430
9	1	—	—	11.570
	2	—	—	12.530
	3	—	—	12.590
	4	—	—	6.010
	5	—	—	5.900
	6	—	—	1.000
10	1	—	—	0.000
	2	—	—	0.000
	3	—	—	0.000
	4	—	—	0.000
	5	—	—	0.000
	6	—	—	0.000
11	1	—	—	0.000
	2	—	—	0.000
	3	—	—	0.000
	4	—	—	0.000
	5	—	—	0.000
	6	—	—	0.000
12	1	—	—	0.000
	2	—	—	0.000
	3	—	—	0.000
	4	—	—	0.000
	5	—	—	0.000
	6	—	—	0.000
1	1	—	—	0.000
	2	—	—	0.000
	3	—	—	0.000
	4	—	—	0.000
	5	—	—	0.000
	6	—	—	0.000
2	1	—	—	0.000
	2	—	—	0.000
	3	—	—	0.000
	4	—	—	0.000
	5	—	—	0.000
	6	—	—	0.000
3	1	—	—	0.000
	2	—	—	0.000
	3	—	—	0.000
	4	—	—	0.000
	5	—	—	4.370
	6	—	—	3.920

水海道地点

单位: m³/s

月	半旬	既得取水量		
		上水	工水	農水
4	1	—	—	0.000
	2	—	—	0.020
	3	—	—	0.060
	4	—	—	0.060
	5	—	—	0.260
	6	—	—	0.660
5	1	—	—	1.660
	2	—	—	1.500
	3	—	—	1.040
	4	—	—	1.040
	5	—	—	1.040
	6	—	—	1.080
6	1	—	—	1.130
	2	—	—	1.110
	3	—	—	1.070
	4	—	—	1.090
	5	—	—	1.090
	6	—	—	1.090
7	1	—	—	1.200
	2	—	—	1.200
	3	—	—	1.210
	4	—	—	1.290
	5	—	—	1.390
	6	—	—	1.390
8	1	—	—	1.290
	2	—	—	1.240
	3	—	—	1.170
	4	—	—	1.130
	5	—	—	1.080
	6	—	—	1.070
9	1	—	—	0.340
	2	—	—	0.340
	3	—	—	0.340
	4	—	—	0.340
	5	—	—	0.000
	6	—	—	0.000
10	1	—	—	0.000
	2	—	—	0.000
	3	—	—	0.000
	4	—	—	0.000
	5	—	—	0.000
	6	—	—	0.000
11	1	—	—	0.000
	2	—	—	0.000
	3	—	—	0.000
	4	—	—	0.000
	5	—	—	0.000
	6	—	—	0.000
12	1	—	—	0.000
	2	—	—	0.000
	3	—	—	0.000
	4	—	—	0.000
	5	—	—	0.000
	6	—	—	0.000
1	1	—	—	0.000
	2	—	—	0.000
	3	—	—	0.000
	4	—	—	0.000
	5	—	—	0.000
	6	—	—	0.000
2	1	—	—	0.000
	2	—	—	0.000
	3	—	—	0.000
	4	—	—	0.000
	5	—	—	0.000
	6	—	—	0.000
3	1	—	—	0.000
	2	—	—	0.000
	3	—	—	0.000
	4	—	—	0.000
	5	—	—	0.000
	6	—	—	0.000

布川地点

单位: m³/s

月	半旬	既得取水量		
		上水	工水	農水
4	1	0.080	—	22.089
	2	0.080	—	22.269
	3	0.080	—	22.780
	4	0.080	—	25.575
	5	0.080	—	29.640
	6	0.080	—	31.316
5	1	0.080	—	31.192
	2	0.080	—	31.212
	3	0.080	—	32.078
	4	0.080	—	30.596
	5	0.080	—	30.596
	6	0.080	—	30.596
6	1	0.080	—	30.596
	2	0.080	—	30.596
	3	0.080	—	30.596
	4	0.080	—	30.596
	5	0.080	—	30.596
	6	0.080	—	32.123
7	1	0.080	—	32.123
	2	0.080	—	32.233
	3	0.080	—	32.233
	4	0.080	—	32.233
	5	0.080	—	32.233
	6	0.080	—	32.233
8	1	0.080	—	32.233
	2	0.080	—	32.233
	3	0.080	—	30.312
	4	0.080	—	30.312
	5	0.080	—	28.429
	6	0.080	—	28.220
9	1	0.080	—	0.006
	2	0.080	—	0.006
	3	0.080	—	0.006
	4	0.080	—	0.006
	5	0.080	—	0.006
	6	0.080	—	0.006
10	1	0.080	—	0.000
	2	0.080	—	0.000
	3	0.080	—	0.000
	4	0.080	—	0.000
	5	0.080	—	0.000
	6	0.080	—	0.000
11	1	0.080	—	0.000
	2	0.080	—	0.000
	3	0.080	—	0.000
	4	0.080	—	0.000
	5	0.080	—	0.000
	6	0.080	—	0.000
12	1	0.080	—	0.000
	2	0.080	—	0.000
	3	0.080	—	0.000
	4	0.080	—	0.000
	5	0.080	—	0.000
	6	0.080	—	0.000
1	1	0.080	—	0.000
	2	0.080	—	0.000
	3	0.080	—	0.000
	4	0.080	—	0.000
	5	0.080	—	0.000
	6	0.080	—	0.000
2	1	0.080	—	0.000
	2	0.080	—	0.000
	3	0.080	—	0.000
	4	0.080	—	0.000
	5	0.080	—	0.000
	6	0.080	—	0.000
3	1	0.080	—	4.349
	2	0.080	—	14.429
	3	0.080	—	16.214
	4	0.080	—	16.642
	5	0.080	—	16.931
	6	0.080	—	16.931

⑥計算に用いた本川および支川の各地点の半旬ごとの流量データ（全計算期間 20 年間）

計算に用いた各地点の半旬毎の流量データは次のとおりである。

矢木沢ダム地点流量データ (1/4)

単位: m³/s

年度 月・半旬	1983 (S58)	1984 (S59)	1985 (S60)	1986 (S61)	1987 (S62)	
4	1	19.66	5.46	20.67	9.21	10.98
	2	27.90	6.59	30.54	11.12	40.31
	3	49.00	6.75	38.23	18.97	23.21
	4	53.14	24.56	32.39	27.55	27.90
	5	45.25	31.18	52.38	59.46	48.39
	6	58.19	47.64	40.19	63.85	38.01
5	1	37.26	55.33	51.75	48.85	47.75
	2	45.16	61.42	57.26	65.05	39.65
	3	37.89	63.33	38.18	54.02	46.76
	4	33.14	58.81	34.03	54.81	43.92
	5	26.86	57.04	33.09	37.11	52.64
	6	21.24	64.87	21.67	41.64	35.31
6	1	18.50	61.73	17.50	40.90	32.55
	2	16.64	62.26	17.34	27.26	25.90
	3	21.65	47.86	13.63	23.39	13.70
	4	19.94	48.51	13.39	31.25	13.70
	5	19.05	33.17	23.70	25.12	12.90
	6	12.78	40.57	35.94	52.07	9.86
7	1	25.02	28.01	46.49	25.24	13.18
	2	17.32	49.72	44.28	19.01	7.60
	3	11.05	21.95	28.46	20.73	10.04
	4	20.07	16.53	14.94	23.53	9.59
	5	35.06	18.04	10.79	20.75	8.23
	6	57.18	18.72	6.82	11.03	20.21
8	1	19.23	10.37	5.94	28.06	11.40
	2	11.05	8.13	6.37	14.78	7.10
	3	7.39	7.01	6.33	8.56	13.31
	4	90.42	6.85	5.63	7.04	15.13
	5	23.75	7.30	5.34	5.08	6.95
	6	9.84	16.47	3.73	4.58	8.49
9	1	7.11	9.56	3.42	13.16	5.55
	2	7.09	6.58	4.31	5.71	4.13
	3	15.33	4.92	3.99	5.53	3.65
	4	10.29	4.44	12.88	5.06	4.41
	5	16.17	4.07	14.49	3.46	4.54
	6	39.82	3.25	10.20	3.31	5.51
10	1	13.63	7.71	6.29	2.53	3.25
	2	19.02	4.65	18.73	3.55	2.78
	3	12.57	4.23	13.12	7.75	2.56
	4	10.49	3.79	7.18	14.11	11.16
	5	9.60	4.72	10.68	18.89	7.67
	6	22.29	5.91	8.99	9.49	4.86
11	1	11.37	7.95	11.21	9.17	5.01
	2	10.16	10.62	14.22	10.40	9.00
	3	9.49	9.99	8.64	13.32	6.81
	4	10.20	7.64	7.52	9.23	7.69
	5	10.51	6.62	14.96	12.24	9.73
	6	9.22	5.20	10.01	9.93	5.92
12	1	6.76	5.79	8.12	6.93	4.83
	2	4.80	5.05	7.73	6.60	4.41
	3	6.27	10.92	6.05	7.28	5.21
	4	5.75	6.27	5.65	9.44	4.98
	5	5.79	4.63	5.07	7.64	5.16
	6	4.24	4.56	5.66	5.97	8.04
1	1	4.01	3.92	4.15	4.69	5.10
	2	4.20	3.40	4.42	5.62	5.68
	3	3.83	3.77	4.99	5.11	4.42
	4	5.03	3.58	4.04	4.99	4.22
	5	3.97	2.90	4.69	4.99	5.06
	6	3.97	3.19	4.16	4.21	4.09
2	1	3.42	3.47	3.38	4.08	4.32
	2	4.00	5.51	3.62	4.21	4.42
	3	2.62	4.30	3.64	6.70	3.86
	4	3.00	3.32	3.50	4.30	3.77
	5	2.45	3.77	3.28	4.72	2.59
	6	3.47	3.21	3.12	4.57	2.14
3	1	2.34	3.18	2.82	4.18	2.78
	2	2.50	3.37	3.46	3.51	3.01
	3	2.69	2.94	3.37	4.50	4.75
	4	2.60	5.70	3.62	5.17	3.86
	5	2.61	7.25	3.29	24.85	4.79
	6	2.55	13.85	4.62	14.26	3.34

矢木沢ダム地点流量データ (2/4)

単位: m³/s

年度		1988	1989	1990	1991	1992
月・半旬		(S63)	(H01)	(H02)	(H03)	(H04)
4	1	10.17	17.02	31.15	14.03	30.88
	2	8.08	36.90	20.47	42.76	34.32
	3	19.12	27.31	45.62	52.88	17.54
	4	31.68	45.02	23.46	51.46	20.23
	5	33.05	52.69	50.76	36.93	28.99
	6	52.87	36.74	45.03	60.02	39.50
5	1	53.78	36.45	38.79	28.25	26.12
	2	30.00	52.28	58.48	34.20	34.66
	3	57.95	48.10	55.47	41.31	38.88
	4	56.33	36.03	39.34	47.40	41.73
	5	58.82	40.11	27.38	52.20	33.63
	6	34.27	48.68	26.58	36.16	25.33
6	1	48.12	33.92	25.37	30.79	26.95
	2	31.37	24.82	23.11	26.28	24.83
	3	21.97	19.82	19.38	27.57	15.07
	4	20.18	23.27	22.93	20.96	15.47
	5	14.93	23.22	24.46	16.24	28.58
	6	17.64	25.30	32.38	12.01	15.30
7	1	21.68	15.19	16.87	20.84	13.94
	2	27.20	12.25	14.23	12.11	9.77
	3	17.01	18.91	9.88	13.14	16.54
	4	11.91	12.24	10.30	27.82	17.44
	5	9.08	10.57	7.82	16.69	8.87
	6	16.27	7.25	5.96	9.57	7.17
8	1	8.95	6.46	5.17	8.34	4.18
	2	8.87	14.57	8.63	11.03	7.98
	3	5.96	5.82	7.39	3.46	2.98
	4	4.94	7.49	4.37	5.81	3.23
	5	6.17	5.54	3.40	1.76	4.54
	6	8.76	12.16	3.09	18.05	4.51
9	1	6.08	24.65	2.63	9.72	13.20
	2	13.13	15.99	4.97	5.58	6.07
	3	16.91	9.84	6.56	7.53	4.94
	4	7.79	27.11	30.15	14.92	6.21
	5	12.45	15.98	9.57	5.62	5.29
	6	10.97	10.13	8.49	6.60	5.19
10	1	8.21	7.51	6.56	22.26	3.19
	2	8.09	8.64	16.33	13.88	13.46
	3	13.29	8.66	8.34	32.76	8.50
	4	10.01	29.10	4.63	15.66	6.59
	5	6.53	14.56	3.73	11.03	5.62
	6	8.66	8.23	23.73	13.96	10.64
11	1	10.47	17.44	8.57	3.91	10.32
	2	11.03	8.63	15.41	4.99	8.43
	3	10.97	8.64	9.41	2.51	8.17
	4	12.00	7.63	8.55	3.99	7.07
	5	7.61	9.36	7.04	7.27	5.95
	6	5.75	7.86	9.39	18.99	12.53
12	1	5.64	8.54	6.70	7.41	8.64
	2	5.76	8.08	5.89	4.54	17.07
	3	5.08	7.05	7.00	3.36	11.65
	4	5.30	5.74	6.28	5.25	8.84
	5	4.96	4.95	5.36	4.32	9.02
	6	4.72	5.12	3.27	2.77	7.43
1	1	4.82	5.77	3.12	1.99	6.91
	2	4.94	4.69	5.37	2.74	8.72
	3	5.64	4.55	3.49	3.05	7.17
	4	8.51	4.21	3.55	3.05	7.07
	5	8.98	4.19	3.46	3.03	6.92
	6	5.84	4.13	4.74	2.71	7.57
2	1	5.24	3.72	5.03	3.38	7.29
	2	4.85	3.69	4.08	3.43	6.85
	3	4.12	5.36	4.32	3.74	5.68
	4	6.81	7.18	5.71	3.50	6.58
	5	5.59	16.66	3.75	2.73	5.94
	6	5.20	10.11	3.76	4.14	5.12
3	1	11.65	8.42	4.66	13.05	5.99
	2	7.55	6.23	5.99	4.31	5.07
	3	8.69	9.67	4.34	7.64	4.59
	4	6.47	6.91	5.18	6.41	3.80
	5	5.51	15.04	13.14	6.68	6.10
	6	6.28	12.92	20.90	17.92	9.54

矢木沢ダム地点流量データ (3/4)

単位: m³/s

年度 月・半旬	1993 (H05)	1994 (H06)	1995 (H07)	1996 (H08)	1997 (H09)	
4	1	13.74	13.87	10.28	8.49	28.70
	2	8.68	21.95	22.15	7.89	46.82
	3	9.02	29.95	17.68	6.24	22.74
	4	25.01	34.93	38.27	16.86	25.93
	5	45.82	48.09	51.74	18.80	28.11
	6	31.91	45.94	56.98	45.59	40.97
5	1	42.49	63.53	74.19	70.38	60.27
	2	59.50	53.87	66.14	49.42	60.64
	3	80.08	56.90	68.84	51.39	50.49
	4	50.82	45.98	74.54	66.18	43.63
	5	53.74	40.08	50.41	64.28	34.63
	6	50.36	45.89	41.89	84.79	27.53
6	1	53.69	28.52	34.58	80.95	25.33
	2	37.27	21.58	33.10	58.64	18.52
	3	45.33	22.74	35.11	61.18	15.08
	4	38.39	20.83	34.07	57.94	18.92
	5	23.54	17.55	22.87	60.54	15.68
	6	29.00	19.03	20.48	46.11	19.75
7	1	36.98	16.34	22.51	38.10	15.35
	2	28.61	11.79	21.38	27.28	16.51
	3	32.99	10.54	51.15	25.83	16.68
	4	21.69	6.07	34.97	22.91	25.21
	5	18.59	7.05	24.14	21.85	12.04
	6	13.92	5.81	12.93	15.99	7.84
8	1	13.27	4.33	10.92	22.08	6.33
	2	9.71	5.08	10.80	13.90	7.65
	3	16.14	4.01	11.11	18.88	7.22
	4	20.38	5.15	12.07	15.03	5.57
	5	12.61	4.93	5.93	6.81	7.31
	6	23.63	2.94	9.20	10.34	5.52
9	1	8.06	2.57	4.41	9.96	5.12
	2	14.21	5.32	7.29	9.09	4.93
	3	14.40	5.08	7.24	7.37	7.56
	4	9.39	5.56	26.89	5.92	9.54
	5	7.01	7.94	5.83	18.39	6.86
	6	6.68	14.05	3.93	6.88	18.64
10	1	8.63	8.78	15.84	5.26	7.32
	2	11.43	4.98	10.82	9.29	7.58
	3	7.69	6.27	6.19	5.49	8.52
	4	3.85	5.69	6.67	10.25	6.17
	5	14.01	7.29	9.59	6.68	4.65
	6	22.44	4.62	6.70	7.91	10.12
11	1	13.01	5.36	7.80	7.11	10.66
	2	8.10	5.44	9.38	14.69	6.77
	3	17.51	4.90	11.02	9.22	10.08
	4	12.11	5.45	13.13	8.54	13.42
	5	11.77	4.46	9.84	9.75	24.83
	6	9.62	5.14	7.98	10.91	34.24
12	1	11.57	7.42	7.39	8.39	16.85
	2	6.15	9.58	6.75	6.82	20.56
	3	7.65	9.93	6.95	6.30	11.15
	4	6.31	6.68	5.45	11.38	9.38
	5	5.84	6.74	6.15	7.59	7.20
	6	5.28	6.58	5.49	7.38	6.23
1	1	3.82	5.32	4.69	7.37	5.30
	2	4.86	5.89	4.90	4.72	5.80
	3	3.80	6.04	3.88	4.51	5.00
	4	3.81	5.62	3.27	4.76	6.67
	5	5.15	5.48	3.54	5.56	5.28
	6	4.58	5.48	3.90	4.48	4.70
2	1	3.29	4.89	3.62	3.76	3.91
	2	4.93	4.62	4.29	3.97	4.46
	3	7.29	4.34	3.92	3.47	4.57
	4	5.93	4.43	2.32	3.35	5.64
	5	5.64	3.51	2.88	3.69	6.52
	6	4.09	3.91	2.84	6.50	6.98
3	1	5.05	4.03	4.05	4.67	5.76
	2	5.83	3.80	3.12	7.27	6.11
	3	5.03	3.61	4.06	6.44	8.93
	4	6.07	8.57	5.15	6.32	8.96
	5	6.03	9.44	9.30	6.30	7.65
	6	5.40	9.04	9.22	9.76	16.32

矢木沢ダム地点流量データ (4/4)

単位: m³/s

年度		1998	1999	2000	2001	2002
月・半旬		(H10)	(H11)	(H12)	(H13)	(H14)
4	1	11.42	13.84	10.48	6.52	39.34
	2	35.36	13.71	20.02	30.90	39.68
	3	75.20	33.14	23.47	37.81	34.80
	4	50.87	35.64	18.73	40.36	52.62
	5	66.84	52.75	53.67	25.90	54.16
	6	43.43	54.12	34.29	41.96	42.37
5	1	43.09	50.64	57.35	47.16	60.88
	2	32.89	50.62	80.49	71.23	57.83
	3	27.39	43.97	85.94	58.80	48.14
	4	17.88	40.66	63.97	53.39	49.29
	5	14.59	37.66	71.50	58.02	39.76
	6	11.02	34.01	73.38	43.34	30.77
6	1	9.07	28.74	49.14	34.64	32.72
	2	8.55	26.18	44.49	31.60	28.09
	3	8.99	23.60	35.27	30.86	24.04
	4	8.82	21.36	35.78	29.72	16.59
	5	10.24	17.19	35.38	23.77	18.64
	6	12.08	18.62	34.11	23.88	11.99
7	1	7.68	14.37	30.21	18.57	16.78
	2	9.60	9.90	33.07	16.34	36.39
	3	12.27	18.35	19.38	17.72	36.06
	4	6.97	13.96	15.28	13.41	16.65
	5	5.42	21.40	14.71	9.24	9.96
	6	4.90	8.74	10.05	7.38	7.43
8	1	26.63	7.76	12.83	18.54	16.35
	2	17.10	5.12	14.07	11.66	7.67
	3	18.61	7.99	11.11	7.58	22.86
	4	21.92	4.15	7.53	5.92	17.30
	5	10.84	9.58	6.17	18.69	13.81
	6	83.69	6.92	5.17	13.88	7.38
9	1	24.39	11.86	11.85	8.76	7.26
	2	12.06	5.14	13.28	11.44	7.06
	3	18.65	18.74	23.20	26.10	5.31
	4	35.42	9.73	11.86	7.78	9.36
	5	16.96	29.25	7.66	5.71	6.30
	6	12.30	8.79	13.81	6.67	5.70
10	1	17.35	8.20	11.00	12.24	27.36
	2	17.85	6.70	7.64	8.05	6.99
	3	11.60	6.80	6.40	6.03	5.06
	4	17.02	7.22	11.55	5.61	7.79
	5	12.62	4.35	12.62	8.81	15.63
	6	10.63	30.73	10.56	8.89	10.66
11	1	10.46	16.10	10.95	10.09	14.58
	2	9.36	7.82	6.62	14.39	10.16
	3	12.86	14.20	9.79	7.25	9.74
	4	10.74	15.96	16.02	6.27	8.54
	5	8.10	14.60	13.44	5.74	14.47
	6	10.26	11.94	5.47	9.84	12.64
12	1	10.11	11.43	7.55	9.24	14.96
	2	9.26	11.95	6.93	7.88	11.40
	3	7.32	8.58	7.11	7.54	7.47
	4	7.54	6.67	6.82	6.31	7.48
	5	6.82	6.18	6.62	5.55	6.10
	6	6.17	6.18	6.21	6.13	6.34
1	1	7.19	5.81	6.32	7.11	6.41
	2	7.66	6.99	5.69	4.88	4.90
	3	6.12	7.32	5.57	4.65	5.21
	4	5.85	5.86	4.94	6.94	4.77
	5	5.20	5.31	4.39	8.29	5.26
	6	4.93	5.24	4.38	7.03	4.70
2	1	4.71	5.02	4.64	5.49	3.81
	2	4.38	5.26	4.48	5.44	4.17
	3	4.46	5.01	4.16	5.75	4.55
	4	4.12	5.12	4.61	5.55	4.40
	5	4.77	5.59	5.50	5.32	4.26
	6	3.86	5.89	4.34	5.40	4.72
3	1	5.69	4.19	5.00	5.68	6.70
	2	5.84	5.30	5.20	6.13	6.43
	3	10.98	4.68	4.50	9.31	5.29
	4	24.01	5.35	6.36	13.30	3.65
	5	11.27	4.90	13.43	11.27	5.20
	6	16.96	9.12	12.94	21.64	9.59

奈良俣ダム地点流量データ (1/4)

単位: m³/s

年度 月・半旬	1983 (S58)	1984 (S59)	1985 (S60)	1986 (S61)	1987 (S62)	
4	1	8.10	2.12	7.99	3.99	5.52
	2	10.06	3.81	13.23	6.76	16.91
	3	19.56	4.18	17.62	17.88	14.62
	4	20.07	15.88	13.63	25.91	15.13
	5	14.58	21.95	20.78	32.45	18.90
	6	16.94	27.97	16.16	27.69	12.94
5	1	10.05	28.58	17.71	19.27	14.00
	2	9.97	30.29	17.59	22.89	10.17
	3	6.76	29.53	11.75	20.66	12.54
	4	6.15	26.32	9.44	16.68	10.18
	5	3.87	23.83	10.68	10.39	8.86
	6	2.71	23.64	6.46	8.40	5.51
6	1	2.04	21.14	4.01	7.49	3.90
	2	1.65	15.38	3.41	4.23	3.53
	3	2.36	9.43	5.43	2.47	2.61
	4	2.23	6.46	4.63	4.45	2.28
	5	4.38	4.03	9.22	2.29	1.99
	6	2.67	8.22	11.35	9.70	1.65
7	1	6.98	2.59	17.58	5.55	1.88
	2	3.32	8.63	14.60	3.11	1.42
	3	2.64	3.96	10.67	4.48	1.83
	4	5.36	3.19	6.04	4.72	2.55
	5	10.01	2.97	5.23	5.86	1.76
	6	31.37	4.30	2.65	2.17	4.99
8	1	6.15	1.94	1.86	6.95	2.53
	2	3.27	1.76	1.10	4.05	2.20
	3	3.32	1.11	1.14	2.07	1.73
	4	18.11	0.95	0.75	2.23	3.38
	5	5.97	0.83	1.43	1.43	2.99
	6	2.87	3.22	0.85	1.14	3.87
9	1	2.16	4.58	0.91	5.13	1.44
	2	2.47	1.97	1.37	1.61	1.61
	3	2.54	1.40	0.95	1.96	2.23
	4	3.12	1.24	3.99	2.25	1.24
	5	3.97	1.15	8.49	1.78	1.77
	6	13.27	0.89	6.67	1.03	2.27
10	1	4.19	1.33	3.58	1.33	1.33
	2	4.61	0.93	7.48	1.66	0.94
	3	2.58	0.66	7.68	2.89	0.71
	4	2.41	0.82	3.97	3.84	2.17
	5	2.42	0.99	2.44	3.67	2.04
	6	4.75	0.79	2.40	1.36	1.45
11	1	2.54	1.71	3.19	2.63	1.80
	2	2.43	2.06	5.01	4.11	3.66
	3	2.51	1.98	2.46	3.34	2.80
	4	3.34	2.12	1.84	2.55	2.25
	5	3.51	1.68	2.79	2.78	2.43
	6	2.64	1.34	2.88	2.25	1.94
12	1	1.82	1.42	2.61	2.15	1.27
	2	1.45	1.37	2.40	2.16	0.99
	3	1.57	2.85	1.75	2.48	1.47
	4	1.53	1.70	1.53	3.51	1.76
	5	1.48	1.36	1.45	2.49	2.02
	6	1.39	1.38	1.54	1.90	2.65
1	1	1.31	0.85	1.86	1.72	1.91
	2	1.34	0.76	1.77	1.47	1.49
	3	1.36	0.67	1.67	1.71	1.07
	4	1.49	0.75	1.81	1.57	0.95
	5	0.86	0.62	1.49	1.61	1.24
	6	0.89	0.50	1.32	1.69	0.86
2	1	0.73	0.42	1.23	1.75	1.12
	2	1.34	1.77	1.19	1.33	1.20
	3	1.11	1.64	1.16	3.39	1.34
	4	0.59	1.27	1.17	2.30	1.28
	5	0.56	0.71	1.14	1.65	1.16
	6	0.77	0.65	1.10	1.94	1.14
3	1	0.50	0.65	1.08	3.94	1.12
	2	0.43	0.93	1.26	1.61	1.07
	3	0.41	0.83	1.29	2.30	1.90
	4	0.35	2.00	1.28	1.91	1.97
	5	0.35	2.46	1.27	10.47	2.55
	6	0.51	5.30	2.17	7.74	1.95

奈良俣ダム地点流量データ (2/4)

単位: m³/s

年度 月・半旬	1988 (S63)	1989 (H01)	1990 (H02)	1991 (H03)	1992 (H04)	
4	1	4.41	6.09	9.78	5.36	10.49
	2	4.02	13.28	6.20	19.52	10.39
	3	8.04	8.06	13.75	18.51	6.29
	4	13.41	12.09	6.61	14.85	6.98
	5	14.41	11.96	13.68	11.72	9.00
	6	18.11	6.71	9.88	16.20	12.14
5	1	19.16	10.41	8.65	7.72	7.39
	2	14.84	11.73	12.20	10.76	10.00
	3	18.46	11.50	9.72	10.84	9.58
	4	14.95	7.32	6.06	10.92	8.83
	5	17.52	7.35	4.01	7.64	8.18
	6	12.27	8.19	3.25	5.93	5.92
6	1	10.90	3.83	2.85	4.92	4.80
	2	6.32	2.82	2.32	2.76	3.69
	3	3.40	2.07	3.27	3.80	2.51
	4	2.39	3.53	2.31	3.62	3.03
	5	1.55	3.48	2.11	2.79	4.82
	6	4.18	4.52	4.14	2.33	2.58
7	1	3.79	2.38	2.71	2.73	2.35
	2	4.77	1.60	2.04	1.53	1.73
	3	4.10	3.44	1.86	2.55	4.35
	4	3.81	1.94	1.79	5.31	4.87
	5	2.74	4.26	1.16	3.37	2.06
	6	4.83	1.43	0.57	2.65	1.66
8	1	2.08	1.24	0.93	4.24	1.44
	2	9.47	2.77	1.64	2.87	1.44
	3	3.03	1.74	1.82	2.15	0.71
	4	2.10	2.60	1.15	3.62	0.29
	5	3.44	1.24	0.66	2.68	0.28
	6	2.59	3.77	0.79	6.31	0.39
9	1	1.75	6.32	0.84	3.82	0.87
	2	4.44	4.07	1.37	2.63	0.05
	3	7.48	2.28	1.94	3.26	0.00
	4	4.40	7.84	8.61	5.34	1.00
	5	6.64	4.69	2.86	3.06	1.09
	6	7.64	2.31	2.87	2.65	1.21
10	1	5.51	3.63	1.67	3.97	1.09
	2	2.65	2.39	4.69	3.76	3.36
	3	2.18	2.71	2.10	8.00	2.64
	4	2.07	6.05	1.53	3.84	2.68
	5	1.69	3.61	1.36	3.03	1.85
	6	1.49	2.31	5.22	3.65	2.15
11	1	1.83	3.62	2.27	1.90	1.74
	2	1.96	2.16	3.08	1.57	1.50
	3	1.79	2.23	2.71	1.41	1.38
	4	1.82	1.73	2.58	1.31	1.35
	5	1.69	2.46	2.37	1.64	1.30
	6	1.56	2.17	2.85	4.38	1.36
12	1	1.35	2.38	2.62	2.27	1.90
	2	1.32	2.10	1.69	1.53	3.74
	3	1.17	1.98	1.96	1.69	2.29
	4	1.09	1.84	1.75	1.55	1.61
	5	1.03	1.36	1.52	1.41	1.71
	6	1.01	1.72	1.47	1.90	1.49
1	1	1.15	1.73	1.25	1.38	1.32
	2	1.15	1.48	1.27	1.45	2.01
	3	1.56	1.49	1.02	1.29	1.30
	4	3.42	1.40	1.01	1.45	1.21
	5	1.81	1.22	0.92	1.36	1.07
	6	2.11	1.25	0.90	1.29	1.18
2	1	1.29	1.16	0.89	1.09	1.14
	2	1.24	1.10	0.84	0.73	1.32
	3	1.13	1.76	0.93	0.65	1.13
	4	2.65	2.71	1.42	0.85	1.26
	5	0.95	5.41	0.95	1.14	1.30
	6	1.30	3.64	0.88	1.06	0.89
3	1	3.43	2.63	0.97	2.59	0.90
	2	2.11	1.95	1.57	1.52	1.22
	3	2.47	2.96	1.27	3.34	1.08
	4	1.93	1.91	1.59	2.89	1.00
	5	1.64	4.38	4.70	2.57	1.80
	6	1.96	4.53	8.06	5.59	2.63

奈良俣ダム地点流量データ (3/4)

単位: m³/s

年度 月・半旬	1993 (H05)	1994 (H06)	1995 (H07)	1996 (H08)	1997 (H09)	
4	1	4.79	4.85	3.55	2.83	11.52
	2	2.67	8.12	8.07	2.87	16.46
	3	2.54	11.37	6.48	2.33	7.18
	4	7.88	12.87	12.95	5.93	7.84
	5	16.75	16.66	18.18	7.21	7.01
	6	10.90	13.47	19.20	17.37	11.00
5	1	12.86	19.58	24.60	25.71	13.87
	2	19.70	13.70	20.05	15.30	13.51
	3	23.35	14.68	19.91	15.62	9.72
	4	13.43	10.07	20.08	21.15	7.28
	5	13.08	8.00	11.24	19.31	7.24
	6	11.15	8.16	9.29	22.40	4.44
6	1	9.45	3.85	7.08	18.95	3.38
	2	6.20	2.98	6.43	13.34	2.79
	3	5.93	3.18	6.92	12.42	2.49
	4	4.92	2.81	6.23	9.79	3.18
	5	3.25	2.12	4.09	11.04	2.07
	6	4.94	1.96	4.14	7.15	1.79
7	1	7.20	1.62	5.01	5.92	1.36
	2	4.80	1.10	5.23	4.07	2.23
	3	7.82	0.72	12.40	3.01	2.83
	4	4.85	0.71	8.22	2.37	5.07
	5	4.77	0.62	4.78	3.00	2.30
	6	3.66	0.43	2.48	1.76	1.91
8	1	3.01	0.21	2.01	2.66	1.74
	2	2.80	0.64	1.68	1.38	2.10
	3	3.61	0.71	1.21	1.45	1.46
	4	5.65	0.40	1.37	1.41	1.16
	5	2.82	2.06	1.20	0.71	0.56
	6	4.45	0.34	1.10	2.00	0.58
9	1	2.62	0.28	0.76	1.12	0.70
	2	4.21	0.95	0.62	2.33	1.48
	3	4.37	1.39	1.04	1.84	3.12
	4	2.55	1.64	9.64	1.49	2.48
	5	1.93	2.93	1.60	5.07	2.19
	6	1.81	5.20	1.19	1.53	3.66
10	1	1.89	3.30	1.68	1.34	1.51
	2	2.59	1.40	1.66	2.89	1.26
	3	1.46	1.18	1.11	1.43	1.19
	4	1.11	0.91	1.09	1.54	1.04
	5	2.97	1.36	1.42	1.26	0.92
	6	5.49	1.01	1.28	1.29	1.87
11	1	2.66	1.19	1.06	1.71	1.91
	2	1.63	1.14	1.66	1.90	1.31
	3	5.33	0.86	2.36	1.80	2.05
	4	2.35	0.89	2.49	1.95	2.58
	5	2.34	0.86	1.86	2.02	4.31
	6	2.39	0.98	1.59	2.01	6.35
12	1	2.52	1.33	1.59	1.83	3.20
	2	1.87	1.82	1.58	1.62	5.16
	3	1.85	1.82	1.50	1.49	2.25
	4	1.67	1.46	1.33	1.99	1.85
	5	1.64	1.39	1.52	1.64	1.51
	6	1.74	1.43	1.39	1.49	1.38
1	1	1.45	1.19	1.23	1.59	1.23
	2	1.32	1.35	1.02	1.38	1.53
	3	1.42	1.50	0.50	1.13	1.35
	4	1.50	1.20	1.27	1.11	1.99
	5	1.27	1.09	0.60	1.39	1.56
	6	1.30	1.18	0.53	1.09	1.33
2	1	1.82	0.95	0.69	0.73	1.19
	2	1.33	0.96	0.58	0.50	1.37
	3	1.47	0.91	0.60	0.66	1.37
	4	1.20	1.08	0.61	0.58	1.94
	5	1.39	0.98	0.52	0.91	2.35
	6	0.39	0.90	0.33	1.11	2.38
3	1	0.37	0.94	0.39	1.11	2.17
	2	0.76	0.89	0.14	2.05	2.06
	3	0.68	0.92	0.83	2.55	2.45
	4	1.36	3.08	1.22	2.24	2.27
	5	1.95	3.60	2.84	2.79	2.59
	6	1.49	3.55	3.85	3.91	5.34

奈良俣ダム地点流量データ (4/4)

単位: m³/s

年度 月・半旬	1998 (H10)	1999 (H11)	2000 (H12)	2001 (H13)	2002 (H14)	
4	1	3.67	5.68	4.30	2.42	17.44
	2	12.01	5.09	8.59	12.65	21.83
	3	25.85	11.53	8.96	14.23	13.86
	4	14.77	11.96	7.34	13.60	17.54
	5	17.09	15.43	19.48	8.67	16.00
	6	9.21	12.75	10.64	13.27	12.03
5	1	7.55	12.65	20.78	12.95	15.60
	2	5.30	10.48	27.46	17.14	14.45
	3	5.88	9.24	26.26	12.47	10.55
	4	3.20	7.40	17.84	9.94	10.32
	5	2.91	5.92	18.51	9.67	7.86
	6	2.22	5.38	15.84	5.81	5.52
6	1	2.51	3.66	9.46	3.95	4.43
	2	2.29	2.90	7.67	3.14	3.62
	3	2.08	2.04	6.14	6.12	3.29
	4	1.61	2.31	4.87	5.02	2.56
	5	3.11	1.42	6.65	4.05	2.81
	6	2.25	3.84	5.23	5.52	2.51
7	1	1.64	2.85	2.94	3.34	3.51
	2	1.62	2.49	3.58	2.13	9.58
	3	1.74	7.30	2.15	2.18	14.35
	4	1.10	4.51	2.00	1.56	7.38
	5	1.26	3.08	1.74	1.09	3.48
	6	1.91	1.86	1.65	0.93	2.14
8	1	6.29	1.61	3.46	2.26	5.07
	2	3.29	1.27	2.20	1.51	1.93
	3	4.94	3.74	1.52	2.32	9.32
	4	6.21	1.60	1.21	1.07	5.61
	5	3.12	2.81	1.10	8.14	4.35
	6	24.15	2.19	2.01	5.36	2.39
9	1	7.18	1.81	2.49	3.21	2.05
	2	3.66	1.33	6.26	6.29	4.06
	3	6.59	6.21	9.61	8.14	3.08
	4	10.24	3.21	3.79	2.28	4.28
	5	6.88	9.30	1.90	1.63	1.94
	6	4.26	2.57	2.33	1.65	2.09
10	1	3.75	1.78	2.42	2.17	10.77
	2	2.93	1.46	1.48	2.23	2.81
	3	2.45	1.36	1.27	1.71	2.14
	4	6.17	1.14	2.33	1.63	2.03
	5	3.92	0.95	2.84	1.86	3.48
	6	2.55	7.15	2.29	0.00	2.33
11	1	1.87	2.31	2.86	0.00	3.33
	2	1.62	1.52	1.62	0.00	3.18
	3	1.87	2.52	1.57	0.00	3.11
	4	1.67	3.55	3.38	0.00	2.87
	5	1.57	3.43	3.04	0.00	5.22
	6	1.90	2.84	1.89	0.73	4.81
12	1	1.76	2.58	1.79	1.38	3.71
	2	2.09	3.31	1.71	1.58	3.40
	3	1.69	2.41	1.88	1.69	2.27
	4	1.65	1.99	1.91	1.37	2.37
	5	1.58	1.91	1.97	1.38	1.87
	6	1.50	1.87	1.75	1.43	1.90
1	1	1.59	1.67	1.94	1.89	1.90
	2	1.80	2.60	1.58	1.38	1.38
	3	1.65	2.59	1.72	1.16	1.50
	4	1.36	1.99	1.61	1.83	1.35
	5	1.29	1.78	1.36	4.88	1.85
	6	1.28	1.61	1.42	2.35	1.99
2	1	1.64	1.55	1.30	1.59	1.57
	2	1.60	1.69	1.23	1.61	1.67
	3	1.43	1.71	1.33	1.72	1.67
	4	1.26	1.63	1.39	1.63	1.50
	5	1.27	1.72	1.55	1.27	1.33
	6	0.80	1.50	1.19	1.45	1.32
3	1	1.09	1.16	1.37	1.67	1.73
	2	1.35	0.93	1.20	2.08	0.82
	3	4.69	0.28	0.39	3.04	0.40
	4	9.86	0.63	0.99	4.83	0.41
	5	4.38	0.56	5.31	4.18	1.29
	6	6.92	4.47	4.63	9.96	3.97

藤原ダム地点流量データ (1/4)

単位: m³/s

年度 月・半旬	1983 (S58)	1984 (S59)	1985 (S60)	1986 (S61)	1987 (S62)	
4	1	42.53	15.67	47.91	24.31	11.38
	2	59.80	18.97	57.67	28.31	73.82
	3	99.53	21.04	69.33	40.60	36.77
	4	93.97	59.61	52.96	53.17	50.88
	5	73.47	62.33	95.06	123.45	85.61
	6	89.82	100.11	65.36	127.11	59.40
5	1	49.46	116.98	81.13	86.36	70.61
	2	71.63	125.03	91.63	106.86	52.64
	3	48.56	120.07	47.70	90.64	66.40
	4	41.02	103.85	37.95	81.73	56.28
	5	25.53	102.28	39.09	46.69	64.71
	6	15.88	106.67	19.47	51.08	38.73
6	1	15.24	87.71	10.51	46.93	31.05
	2	14.37	81.40	11.46	28.49	22.48
	3	22.24	55.86	17.30	17.77	7.53
	4	21.92	54.66	18.14	35.20	7.31
	5	24.06	36.03	43.02	25.60	7.94
	6	6.67	50.19	54.29	66.47	2.23
7	1	40.56	29.31	69.60	32.73	20.47
	2	30.26	61.00	63.61	20.29	15.31
	3	19.77	22.60	41.27	26.63	19.87
	4	35.70	21.46	21.76	28.39	19.74
	5	68.89	22.66	18.24	27.63	16.84
	6	140.03	24.14	12.11	8.73	32.02
8	1	31.76	17.36	7.62	40.09	18.37
	2	23.29	15.72	0.50	19.56	12.64
	3	18.23	7.98	12.57	15.33	20.70
	4	136.44	0.20	0.00	8.85	25.01
	5	32.34	0.00	0.00	12.38	15.09
	6	19.28	10.39	1.05	7.78	16.27
9	1	14.97	6.56	2.73	24.29	7.21
	2	13.25	0.79	7.83	12.73	13.34
	3	16.59	8.28	10.74	12.17	11.38
	4	15.12	9.25	21.02	13.56	10.17
	5	26.11	7.80	31.53	8.77	11.08
	6	85.29	6.23	24.42	9.98	11.30
10	1	17.59	14.81	15.01	10.60	8.02
	2	17.61	8.02	33.41	9.98	6.80
	3	6.24	6.96	26.64	10.89	5.43
	4	3.38	7.56	14.88	14.15	17.67
	5	2.38	8.03	16.17	27.82	14.32
	6	20.63	9.44	13.49	19.33	10.50
11	1	3.96	13.35	18.89	17.37	12.40
	2	2.07	17.61	24.86	16.73	19.84
	3	1.01	17.37	12.44	27.28	14.32
	4	2.70	13.48	14.35	17.78	13.85
	5	4.87	11.05	24.61	21.21	16.67
	6	1.29	9.67	18.32	18.77	12.56
12	1	0.00	9.88	4.10	10.99	11.37
	2	0.00	8.86	14.16	5.88	9.45
	3	0.05	19.57	12.69	3.03	12.24
	4	0.00	11.51	12.27	9.42	11.17
	5	0.31	8.47	10.18	5.19	10.21
	6	4.47	8.89	11.99	9.18	16.64
1	1	5.23	6.58	8.13	7.86	9.66
	2	1.05	6.38	9.82	0.51	12.23
	3	0.21	7.17	10.05	0.32	10.14
	4	1.62	6.88	8.86	2.07	10.05
	5	0.00	6.39	11.81	2.84	12.14
	6	7.20	6.67	8.87	1.18	3.68
2	1	7.23	7.29	7.50	1.57	0.00
	2	10.59	14.10	0.02	2.18	1.39
	3	7.22	10.24	0.40	9.70	8.22
	4	7.58	7.95	1.97	0.60	9.10
	5	7.42	8.91	5.79	3.26	8.20
	6	9.64	9.49	6.85	3.37	7.55
3	1	6.93	0.15	7.23	3.31	9.30
	2	7.95	1.52	10.64	0.35	5.74
	3	7.26	5.94	12.15	2.15	3.05
	4	5.92	12.26	11.80	4.15	5.53
	5	6.40	3.35	10.83	55.55	12.35
	6	6.99	18.03	12.86	18.19	12.29

藤原ダム地点流量データ (2/4)

単位: m³/s

年度 月・半旬		1988 (S63)	1989 (H01)	1990 (H02)	1991 (H03)	1992 (H04)
4	1	22.96	22.13	55.65	35.82	75.48
	2	17.56	84.11	29.94	94.66	73.49
	3	41.08	42.51	75.51	101.37	43.14
	4	67.47	75.93	32.70	90.49	48.67
	5	68.81	82.78	88.74	69.47	61.70
	6	94.44	46.66	66.35	107.35	67.08
5	1	85.79	53.23	53.67	43.63	37.22
	2	42.62	85.45	85.74	54.47	50.33
	3	81.64	87.20	73.36	75.56	53.01
	4	78.82	54.99	45.52	80.81	56.02
	5	77.02	57.71	26.75	69.06	44.53
	6	39.27	72.12	22.26	39.15	29.99
6	1	63.56	39.05	20.83	37.56	29.50
	2	34.42	27.37	16.48	20.86	24.96
	3	14.68	20.42	15.81	25.45	8.53
	4	24.34	26.46	16.68	16.41	9.04
	5	16.35	25.34	24.22	21.13	31.59
	6	22.52	33.62	35.35	34.02	12.32
7	1	24.17	32.50	22.73	32.62	18.99
	2	32.84	24.48	22.12	23.66	6.59
	3	26.34	33.12	16.57	27.58	20.16
	4	21.86	21.69	14.26	35.52	37.56
	5	19.85	29.64	5.10	21.56	13.50
	6	27.19	17.45	6.33	8.76	3.72
8	1	20.54	15.59	0.78	16.89	8.63
	2	20.66	24.72	13.08	21.68	6.36
	3	14.91	14.70	14.19	13.01	4.51
	4	14.05	20.47	10.01	11.20	0.00
	5	17.61	10.67	1.06	13.53	0.00
	6	18.11	27.05	1.70	48.96	2.23
9	1	15.74	59.32	1.78	14.91	10.27
	2	25.70	30.40	13.87	21.53	0.79
	3	24.97	21.65	14.54	23.20	0.67
	4	11.77	62.39	61.92	38.97	10.42
	5	34.44	28.62	21.35	16.03	13.19
	6	17.80	17.79	19.57	19.80	15.03
10	1	4.60	11.20	15.62	43.08	11.79
	2	20.56	20.26	34.84	30.32	29.35
	3	23.38	20.43	15.71	57.00	22.34
	4	19.33	50.77	13.90	28.07	19.90
	5	2.65	16.83	10.76	23.99	16.80
	6	12.33	14.40	45.63	28.66	20.79
11	1	19.35	37.05	19.30	16.01	16.00
	2	19.14	20.50	30.76	17.55	14.93
	3	18.82	16.25	18.58	13.46	14.50
	4	19.16	15.24	17.76	12.46	13.62
	5	13.21	20.75	16.53	16.64	11.47
	6	5.49	17.05	17.42	23.69	15.53
12	1	0.00	18.35	15.72	2.69	15.96
	2	0.14	18.51	12.92	0.46	30.27
	3	0.00	10.97	15.95	0.00	19.23
	4	0.24	14.51	12.96	4.87	12.96
	5	0.00	11.64	12.84	6.38	14.96
	6	0.00	13.90	11.50	12.01	13.45
1	1	0.00	12.76	10.41	9.83	9.27
	2	0.09	9.74	12.37	3.82	15.52
	3	3.26	9.77	10.08	2.40	10.27
	4	8.16	9.51	11.79	2.01	10.12
	5	8.71	2.21	11.15	1.62	11.22
	6	6.28	1.06	10.79	2.16	11.08
2	1	3.40	0.66	11.86	6.13	13.39
	2	1.80	0.27	10.83	3.60	13.38
	3	0.51	8.23	11.08	3.03	10.81
	4	6.07	13.31	16.36	3.35	8.27
	5	1.70	26.23	9.35	3.63	4.11
	6	4.72	9.23	4.99	5.91	0.00
3	1	23.26	11.10	8.05	22.58	0.66
	2	11.23	9.61	9.90	15.25	10.18
	3	17.39	13.12	6.70	23.38	10.23
	4	11.65	7.90	14.06	22.70	13.23
	5	8.13	19.27	25.35	19.59	14.14
	6	5.02	14.41	42.25	44.56	18.15

藤原ダム地点流量データ (3/4)

単位 : m³/s

年度 月・半旬	1993 (H05)	1994 (H06)	1995 (H07)	1996 (H08)	1997 (H09)	
4	1	38.16	35.98	26.75	20.75	67.67
	2	21.47	52.67	53.82	11.56	98.46
	3	19.61	62.15	44.06	6.50	46.66
	4	57.43	76.23	77.32	47.84	52.91
	5	103.66	102.18	103.53	40.54	41.21
	6	62.14	74.13	105.25	102.90	59.69
5	1	76.13	104.07	130.07	147.43	88.07
	2	109.68	76.36	107.43	94.49	87.47
	3	136.81	87.71	107.50	91.99	66.02
	4	74.88	65.21	117.24	115.38	53.66
	5	77.64	44.14	68.77	107.46	48.99
	6	65.36	57.84	55.24	132.08	29.37
6	1	72.03	23.49	43.82	118.71	23.49
	2	40.24	17.88	43.05	79.62	10.63
	3	50.04	18.14	45.49	79.57	14.22
	4	41.51	16.06	41.99	70.59	15.62
	5	31.64	7.90	21.22	74.12	22.04
	6	38.41	8.00	20.27	52.35	27.46
7	1	54.67	5.18	25.53	40.42	10.81
	2	33.11	1.76	26.68	30.42	9.94
	3	41.20	0.00	83.74	23.83	17.02
	4	23.15	4.49	46.63	17.23	32.68
	5	31.69	8.14	28.65	28.71	4.22
	6	23.18	4.62	13.36	12.40	9.50
8	1	21.52	7.48	2.30	15.52	9.50
	2	20.99	4.35	1.66	5.73	16.56
	3	20.75	1.95	1.13	13.80	9.77
	4	25.64	2.02	5.38	6.78	0.10
	5	19.74	11.41	0.83	0.00	0.81
	6	26.09	3.43	2.55	13.84	2.75
9	1	15.64	5.17	1.07	9.38	1.92
	2	29.50	15.12	2.74	17.16	11.70
	3	17.43	12.00	6.12	15.76	21.83
	4	18.59	13.97	53.59	12.09	24.98
	5	18.85	20.88	14.49	34.14	16.74
	6	14.95	38.83	10.45	12.94	33.79
10	1	13.09	25.36	21.29	11.00	14.33
	2	25.93	12.73	15.89	19.55	14.65
	3	7.15	12.02	7.95	12.19	14.13
	4	14.95	10.33	9.08	16.43	11.05
	5	23.08	13.79	14.41	12.53	8.27
	6	36.89	9.19	12.94	14.00	16.13
11	1	9.47	10.04	12.26	14.32	15.53
	2	11.11	10.38	16.66	23.20	12.00
	3	22.23	8.36	20.97	17.27	12.99
	4	10.19	8.79	21.69	16.18	23.15
	5	12.89	8.33	17.11	17.52	40.85
	6	20.76	8.86	8.91	18.04	64.54
12	1	9.52	12.77	13.10	14.65	33.38
	2	1.00	17.63	12.75	11.92	38.70
	3	0.62	14.21	12.38	6.04	22.13
	4	0.00	11.94	9.73	16.30	17.52
	5	0.00	11.19	5.98	14.40	13.61
	6	0.30	12.45	3.72	5.82	11.88
1	1	0.00	9.24	1.26	4.48	8.93
	2	0.00	10.04	3.48	8.68	10.88
	3	0.00	11.71	3.58	10.04	9.58
	4	0.00	7.59	10.27	3.05	17.07
	5	0.00	8.36	7.72	5.73	11.75
	6	0.00	9.04	8.36	0.11	10.33
2	1	0.00	7.96	8.00	2.65	8.64
	2	0.00	8.35	8.85	1.03	9.28
	3	0.14	7.22	6.08	5.32	9.70
	4	0.00	8.43	8.23	7.32	11.75
	5	0.64	7.62	6.63	7.28	0.98
	6	0.00	6.31	4.88	12.60	0.06
3	1	0.50	7.85	7.04	10.47	0.00
	2	0.33	17.48	5.66	16.48	0.00
	3	0.63	1.56	1.85	18.11	2.33
	4	3.22	21.34	9.66	17.08	3.26
	5	14.03	25.03	8.51	19.63	12.79
	6	9.55	27.25	26.84	29.48	38.65

藤原ダム地点流量データ (4/4)

単位: m³/s

年度 月・半旬	1998 (H10)	1999 (H11)	2000 (H12)	2001 (H13)	2002 (H14)	
4	1	29.26	31.45	28.55	17.45	0.00
	2	72.80	33.38	56.66	73.67	0.00
	3	139.14	71.31	62.29	75.82	0.17
	4	83.84	68.35	48.73	76.93	67.20
	5	100.67	85.46	116.81	37.22	90.24
	6	56.42	82.13	70.36	65.15	52.07
5	1	50.96	74.92	117.17	72.47	92.10
	2	32.61	68.80	151.09	106.27	83.35
	3	30.83	55.37	150.06	79.84	59.65
	4	18.47	45.41	102.29	67.13	70.72
	5	11.46	37.33	109.34	72.95	48.54
	6	9.13	33.43	102.69	47.35	70.67
6	1	6.10	23.23	62.12	33.08	164.07
	2	4.27	18.41	53.28	27.45	133.20
	3	15.70	15.30	40.85	35.42	90.70
	4	14.64	16.72	36.11	31.76	23.88
	5	13.43	8.59	40.26	19.56	9.90
	6	11.72	30.95	34.23	22.76	0.88
7	1	5.73	25.47	29.94	16.47	2.94
	2	6.18	18.66	34.04	9.19	27.79
	3	20.02	44.77	23.16	9.57	0.00
	4	9.04	34.07	23.25	6.27	0.00
	5	5.83	31.19	21.64	6.21	0.00
	6	11.86	15.43	16.27	3.46	10.91
8	1	43.96	6.09	20.29	22.11	14.49
	2	27.00	7.82	23.62	11.82	39.55
	3	26.25	17.67	17.64	20.09	39.15
	4	29.89	11.17	12.88	8.60	43.60
	5	22.24	18.06	12.18	51.57	11.66
	6	192.00	14.82	9.95	36.45	28.10
9	1	51.83	17.87	12.99	22.78	40.30
	2	28.65	10.24	33.40	29.25	18.34
	3	33.51	38.54	53.88	54.17	18.99
	4	72.88	16.82	25.15	16.18	8.25
	5	46.88	46.52	17.47	11.97	16.55
	6	18.95	16.89	19.39	13.44	17.35
10	1	24.50	3.95	9.88	21.57	0.00
	2	20.97	3.28	0.54	15.93	1.09
	3	14.43	4.34	11.97	13.46	17.86
	4	43.87	1.72	20.92	12.59	35.81
	5	27.16	1.76	23.42	14.25	30.92
	6	18.78	43.11	19.21	15.42	69.89
11	1	16.49	28.25	39.93	13.09	0.13
	2	13.55	13.53	13.66	19.71	0.32
	3	19.22	21.91	13.76	10.20	0.00
	4	16.13	28.30	23.98	9.79	0.55
	5	13.79	23.34	20.85	9.15	4.83
	6	16.89	10.64	11.75	14.93	12.32
12	1	15.24	19.78	13.23	3.80	16.03
	2	16.95	17.04	12.03	3.53	19.57
	3	12.47	16.15	13.66	5.01	13.76
	4	13.14	6.02	12.84	0.54	10.97
	5	13.10	11.57	12.42	1.31	8.90
	6	10.16	4.36	12.66	6.53	22.20
1	1	11.30	2.95	12.26	18.53	29.38
	2	12.17	16.19	11.44	1.20	30.22
	3	10.52	15.80	9.84	9.63	29.57
	4	11.15	6.43	10.48	25.61	32.45
	5	8.47	12.16	8.03	19.61	28.34
	6	9.79	6.24	8.37	33.88	15.83
2	1	10.16	9.10	7.62	39.69	31.89
	2	8.49	11.61	5.03	37.32	39.70
	3	8.42	8.52	6.80	42.84	40.81
	4	8.74	10.01	5.11	37.68	27.03
	5	8.64	9.66	10.35	46.33	39.14
	6	6.05	0.59	1.92	52.36	54.38
3	1	12.09	0.00	9.39	49.27	57.09
	2	6.98	0.00	0.50	33.67	60.31
	3	21.14	0.00	0.00	33.61	58.68
	4	64.71	0.00	0.44	4.83	31.67
	5	27.88	0.65	32.15	13.01	27.33
	6	40.34	21.35	35.34	1.88	1.71

相俣ダム地点流量データ (1/4)

単位: m³/s

月・半旬	年度	1983	1984	1985	1986	1987
		(S58)	(S59)	(S60)	(S61)	(S62)
4	1	16.64	6.49	14.69	5.91	5.51
	2	15.21	7.75	16.27	7.57	13.22
	3	19.86	8.38	16.83	11.04	7.84
	4	18.10	19.52	10.67	14.26	7.77
	5	12.48	19.59	16.34	36.64	10.85
	6	11.90	23.03	10.61	19.06	7.11
5	1	6.99	30.92	10.06	11.14	8.16
	2	8.02	19.58	7.94	10.54	5.45
	3	6.24	15.27	6.06	11.64	7.34
	4	9.64	11.54	4.83	9.61	6.55
	5	5.13	9.56	5.91	5.70	8.92
	6	3.91	8.93	4.05	8.27	4.91
6	1	3.31	7.69	3.01	8.07	4.26
	2	2.78	8.40	3.28	4.80	3.61
	3	5.09	6.02	4.80	3.46	2.27
	4	5.44	6.91	5.60	5.94	2.96
	5	6.40	6.81	14.79	5.04	3.37
	6	4.40	9.41	20.54	11.06	2.19
7	1	14.07	6.00	18.30	9.42	5.74
	2	9.80	6.72	11.29	5.72	4.00
	3	5.43	9.96	13.52	7.21	10.18
	4	6.71	14.52	10.93	7.14	10.74
	5	15.48	11.50	10.18	6.46	5.57
	6	11.06	12.95	4.82	3.71	3.54
8	1	7.21	5.08	3.70	5.44	2.71
	2	5.16	3.36	3.40	4.03	3.72
	3	5.44	2.83	6.32	2.45	4.74
	4	23.48	2.14	2.99	2.17	4.08
	5	10.19	2.21	2.12	4.87	4.03
	6	5.19	1.97	1.49	2.23	3.52
9	1	3.42	1.95	1.44	10.78	3.84
	2	3.74	1.67	2.08	4.07	7.88
	3	5.10	1.83	2.12	3.34	5.41
	4	6.32	1.78	2.97	4.35	3.34
	5	7.88	1.53	8.88	2.71	4.27
	6	22.77	1.28	10.00	2.20	4.22
10	1	7.93	1.79	5.55	2.24	2.67
	2	7.18	1.30	8.14	2.94	2.05
	3	5.03	1.66	5.26	3.73	1.80
	4	4.11	1.74	3.63	3.37	3.17
	5	3.46	1.52	3.00	4.20	2.10
	6	4.69	1.40	2.98	2.76	1.69
11	1	2.77	1.66	3.18	2.33	1.69
	2	2.41	1.75	7.34	2.30	1.88
	3	2.14	1.97	3.69	2.68	1.71
	4	2.24	1.96	2.61	2.09	1.83
	5	2.43	1.53	3.08	2.43	2.02
	6	2.29	1.36	2.70	1.94	1.90
12	1	2.26	1.52	2.35	1.64	1.52
	2	2.03	1.38	2.27	1.62	1.47
	3	2.37	3.34	1.88	1.90	1.68
	4	1.97	1.84	1.72	2.65	1.39
	5	1.77	1.38	1.61	2.33	1.42
	6	1.61	1.10	2.01	1.84	1.87
1	1	1.59	1.02	2.04	1.97	1.51
	2	1.32	0.94	1.59	1.90	1.33
	3	1.18	0.99	1.50	1.68	1.26
	4	1.38	0.81	1.29	1.66	1.33
	5	1.24	0.86	1.37	1.68	1.65
	6	1.21	0.87	1.29	1.41	1.31
2	1	1.17	0.85	1.08	1.48	1.04
	2	1.16	2.04	0.81	1.66	1.14
	3	1.12	1.79	0.90	3.63	1.01
	4	1.02	1.40	1.21	2.07	0.99
	5	1.01	1.30	1.01	1.80	0.98
	6	1.13	1.27	0.92	1.59	0.98
3	1	0.96	1.49	1.06	1.55	1.01
	2	0.73	2.31	1.54	1.58	0.88
	3	0.62	1.88	1.78	2.32	2.62
	4	0.99	4.38	2.10	2.95	2.43
	5	1.12	4.36	1.92	15.02	3.70
	6	1.61	8.65	2.72	8.11	2.60

相俣ダム地点流量データ (2/4)

単位: m³/s

年度 月・半旬	1988 (S63)	1989 (H01)	1990 (H02)	1991 (H03)	1992 (H04)	
4	1	3.83	6.87	12.90	10.92	15.11
	2	4.29	15.99	8.51	24.65	13.12
	3	8.21	12.11	12.82	20.15	8.80
	4	16.51	15.93	7.09	15.16	8.02
	5	14.20	14.20	20.61	10.03	8.90
	6	16.56	9.85	11.36	12.72	9.50
5	1	12.40	8.81	9.36	6.17	7.07
	2	7.10	11.02	11.61	7.32	7.57
	3	11.48	15.89	9.39	7.11	7.09
	4	10.35	8.91	6.99	6.76	7.63
	5	12.87	7.38	4.58	6.43	7.31
	6	6.71	12.01	3.89	4.58	7.62
6	1	19.08	6.16	3.80	4.48	7.78
	2	8.52	5.09	3.71	3.61	10.35
	3	4.78	3.89	3.36	3.44	5.50
	4	5.15	12.47	3.02	4.07	5.11
	5	4.65	9.65	2.82	7.67	10.52
	6	16.61	15.39	3.32	4.47	6.28
7	1	11.51	8.07	8.33	9.02	5.65
	2	6.96	5.75	5.27	4.99	3.38
	3	6.56	5.72	4.03	4.92	8.18
	4	8.11	6.65	4.28	7.43	10.38
	5	6.67	6.31	3.13	3.94	5.20
	6	8.28	7.94	2.11	4.33	3.25
8	1	4.82	9.10	1.70	7.44	2.98
	2	4.80	7.10	9.12	6.71	4.86
	3	10.52	5.44	5.12	4.50	7.32
	4	7.55	7.54	2.57	8.32	3.52
	5	6.40	3.93	2.00	21.72	2.84
	6	18.63	14.55	1.57	21.01	5.90
9	1	12.89	24.00	1.35	11.69	2.57
	2	19.70	18.89	5.11	11.12	2.24
	3	16.43	10.38	3.01	14.29	1.85
	4	8.62	14.76	16.82	17.85	2.28
	5	11.38	10.21	7.53	10.28	1.95
	6	12.35	5.72	8.19	8.00	3.58
10	1	7.72	4.25	7.46	13.64	2.52
	2	8.43	4.11	10.84	9.28	5.72
	3	4.80	4.82	5.58	15.99	4.29
	4	3.43	6.54	3.73	7.47	5.48
	5	2.46	4.72	3.18	5.53	5.16
	6	2.14	3.15	10.58	6.56	3.46
11	1	2.51	5.15	6.36	4.03	2.85
	2	2.53	3.50	6.04	3.56	2.91
	3	2.89	3.59	4.54	2.76	2.15
	4	2.50	2.71	3.42	2.47	2.15
	5	2.23	2.57	2.95	2.54	2.06
	6	1.88	2.23	8.00	6.14	2.10
12	1	1.63	2.12	8.12	3.40	2.57
	2	1.90	1.85	3.72	2.47	4.42
	3	1.77	2.10	3.83	2.23	2.96
	4	1.57	2.67	3.07	2.37	2.19
	5	1.53	1.81	2.89	2.18	2.28
	6	1.56	1.78	2.51	1.90	2.23
1	1	1.44	1.55	2.63	1.73	1.75
	2	2.02	1.55	2.35	1.74	3.00
	3	2.61	1.59	2.07	1.58	2.13
	4	3.42	1.58	1.95	1.55	1.83
	5	3.68	1.47	1.90	1.30	1.73
	6	2.33	1.41	1.80	1.37	1.64
2	1	2.02	1.28	1.48	1.59	1.46
	2	2.46	1.28	1.55	1.54	2.75
	3	2.30	2.19	2.42	1.43	1.84
	4	4.58	2.67	4.28	1.32	2.65
	5	3.18	8.66	2.10	1.58	2.83
	6	3.46	6.23	2.03	2.04	2.35
3	1	6.38	5.45	2.44	4.93	2.34
	2	4.48	3.94	4.60	2.84	3.55
	3	4.89	5.08	3.81	5.28	2.31
	4	3.77	4.06	4.48	5.68	1.91
	5	3.22	5.42	12.80	5.56	3.94
	6	3.91	5.12	16.93	10.08	6.40

相俣ダム地点流量データ (3/4)

単位: m³/s

年度		1993	1994	1995	1996	1997
月・半旬		(H05)	(H06)	(H07)	(H08)	(H09)
4	1	10.65	9.77	9.57	7.34	14.36
	2	5.67	13.22	15.73	6.52	24.30
	3	4.86	13.27	11.44	5.24	11.18
	4	9.52	12.93	16.65	13.96	7.79
	5	16.14	13.48	18.72	10.97	7.00
	6	10.87	10.45	17.29	20.77	8.48
5	1	12.21	12.16	18.17	28.20	10.45
	2	15.54	7.90	12.53	19.22	9.25
	3	16.78	11.16	13.47	14.56	7.63
	4	10.12	8.84	15.71	14.15	7.76
	5	9.08	5.86	8.16	12.45	14.35
	6	6.90	13.94	7.33	11.46	8.89
6	1	9.76	4.81	9.65	9.56	6.07
	2	5.96	3.90	10.98	6.44	5.03
	3	5.78	4.85	16.39	6.23	3.97
	4	8.87	5.30	13.91	6.92	6.18
	5	7.27	4.41	8.60	13.02	4.37
	6	6.32	3.67	9.82	9.74	14.64
7	1	15.16	2.98	10.21	6.16	5.26
	2	9.05	2.56	12.77	5.70	4.06
	3	10.16	2.14	17.55	4.13	4.05
	4	8.95	2.34	9.72	3.19	5.43
	5	9.97	1.62	7.33	4.93	2.98
	6	9.20	1.35	3.98	4.40	7.19
8	1	6.36	1.13	3.09	3.06	7.88
	2	8.27	1.01	2.55	2.17	6.88
	3	12.89	1.03	2.21	2.59	4.91
	4	10.31	0.87	2.02	2.14	3.33
	5	6.35	7.19	2.12	1.96	4.81
	6	8.46	2.32	2.00	5.27	5.91
9	1	7.77	1.71	1.87	2.60	3.59
	2	13.16	4.71	1.11	7.60	6.46
	3	11.43	3.46	1.56	4.56	9.76
	4	6.98	9.38	7.68	2.90	13.11
	5	5.23	10.34	2.16	7.57	8.22
	6	4.05	22.31	1.68	3.43	11.83
10	1	4.01	15.33	2.24	2.62	4.71
	2	5.07	7.38	1.89	3.98	3.59
	3	3.44	5.13	1.47	3.02	2.72
	4	2.53	3.81	1.25	2.98	2.36
	5	2.73	4.98	1.53	2.34	2.14
	6	4.30	2.63	1.27	2.08	2.14
11	1	2.88	2.58	0.93	2.83	1.96
	2	2.19	3.22	1.77	3.28	1.45
	3	12.14	2.09	1.53	2.61	1.73
	4	5.62	1.91	2.02	2.63	2.52
	5	4.43	1.85	1.54	2.58	3.73
	6	3.33	1.87	0.99	2.64	10.49
12	1	2.96	1.98	1.08	2.25	4.10
	2	2.35	2.41	1.08	2.16	9.08
	3	2.36	2.54	1.13	2.14	3.74
	4	2.08	2.00	1.08	2.48	3.26
	5	1.97	2.05	1.11	2.01	2.73
	6	2.01	2.14	1.07	1.97	2.08
1	1	2.00	2.21	1.03	1.79	1.85
	2	1.64	2.03	1.20	1.63	1.66
	3	1.31	1.79	1.44	1.50	1.46
	4	2.18	1.60	1.54	1.25	2.22
	5	1.75	1.78	1.41	1.33	1.76
	6	1.56	1.47	1.30	1.05	1.72
2	1	1.50	1.41	0.80	1.10	1.34
	2	1.61	1.34	1.24	1.47	1.57
	3	1.28	1.60	1.89	1.42	2.58
	4	1.70	1.50	1.90	1.29	3.06
	5	3.16	1.37	0.97	1.27	4.34
	6	1.80	1.37	1.51	1.81	3.76
3	1	1.67	1.43	1.39	1.97	3.72
	2	2.44	1.48	0.94	4.45	3.05
	3	2.61	1.93	1.55	4.68	4.45
	4	2.61	4.82	3.17	4.12	4.01
	5	3.59	6.46	6.71	4.67	4.65
	6	3.32	8.79	7.89	7.54	9.25

相俣ダム地点流量データ (4/4)

単位: m³/s

年度 月・半旬	1998 (H10)	1999 (H11)	2000 (H12)	2001 (H13)	2002 (H14)	
4	1	8.26	6.44	7.89	5.06	13.48
	2	17.57	6.74	15.28	14.21	12.27
	3	28.23	15.46	17.20	14.65	10.66
	4	17.54	11.88	12.45	12.54	11.95
	5	15.18	17.34	29.52	7.64	12.00
	6	9.37	13.10	16.08	8.74	6.80
5	1	8.53	11.07	16.52	8.68	8.26
	2	6.18	8.57	15.32	9.99	7.26
	3	6.08	6.93	16.81	7.50	7.08
	4	4.56	6.15	12.90	6.17	9.18
	5	4.98	5.06	12.44	9.11	5.55
	6	4.33	6.71	9.98	8.14	4.24
6	1	3.37	4.82	6.13	6.14	3.91
	2	3.78	3.00	6.01	5.13	3.29
	3	4.49	3.33	6.17	9.04	3.75
	4	4.02	3.66	5.07	8.30	3.81
	5	6.94	3.03	7.12	5.97	4.74
	6	4.13	19.07	7.85	6.73	4.02
7	1	2.96	9.31	8.79	5.83	4.60
	2	3.01	7.04	9.28	3.40	34.83
	3	3.17	17.74	4.71	3.00	22.28
	4	1.85	17.24	6.48	2.73	13.05
	5	2.26	9.44	4.69	3.23	6.65
	6	2.80	5.04	3.74	2.48	4.10
8	1	2.82	3.50	6.32	2.56	3.73
	2	2.31	2.92	9.38	3.70	2.84
	3	5.19	14.83	4.92	5.70	10.31
	4	6.42	13.57	3.27	3.62	11.05
	5	4.62	21.44	2.68	27.53	7.46
	6	68.46	7.42	2.35	18.99	4.08
9	1	16.44	7.05	2.31	10.72	3.02
	2	9.80	5.16	13.58	17.35	5.55
	3	15.09	11.58	26.82	24.12	4.04
	4	21.54	9.17	18.50	9.69	6.27
	5	27.12	21.26	8.84	5.48	3.87
	6	11.62	7.04	6.96	4.31	4.17
10	1	9.95	4.60	5.77	3.78	15.75
	2	8.58	3.46	3.51	6.19	4.76
	3	5.37	2.87	2.69	5.08	2.99
	4	16.59	2.73	4.51	2.98	2.82
	5	9.38	1.90	5.05	2.92	4.51
	6	5.44	7.03	4.08	2.98	2.87
11	1	3.95	3.77	6.72	3.33	3.17
	2	3.14	2.60	3.70	3.90	2.98
	3	2.96	3.45	3.47	2.92	3.54
	4	2.42	4.52	4.56	2.69	2.63
	5	2.24	2.98	4.65	1.59	3.85
	6	2.33	2.35	3.02	2.15	4.08
12	1	2.35	2.19	2.60	2.42	3.56
	2	2.40	2.71	2.24	1.94	2.95
	3	2.05	2.46	2.11	2.20	2.18
	4	1.78	2.14	2.40	1.88	2.67
	5	1.71	1.71	2.65	1.67	2.18
	6	1.61	1.64	2.03	1.57	2.04
1	1	1.49	1.61	1.57	1.68	1.99
	2	1.50	2.97	1.71	1.57	1.65
	3	1.39	2.96	1.69	1.81	1.68
	4	1.34	2.17	1.60	3.31	1.82
	5	1.47	1.80	1.65	7.35	1.89
	6	1.45	1.51	1.85	3.06	1.90
2	1	1.35	1.39	1.56	2.34	1.85
	2	1.29	1.44	1.43	2.47	1.91
	3	1.25	1.80	1.45	2.02	2.28
	4	1.35	1.63	1.31	1.80	1.91
	5	1.33	1.59	2.64	2.14	1.82
	6	1.71	1.40	2.16	2.69	1.67
3	1	2.59	1.77	2.87	3.86	2.29
	2	3.04	1.73	2.41	4.75	2.22
	3	8.54	1.38	2.28	5.53	1.90
	4	14.56	1.56	3.85	7.49	2.28
	5	6.46	2.19	10.34	6.12	3.65
	6	8.07	7.53	9.92	9.58	6.95

藁原ダム地点流量データ (1/4)

単位: m³/s

年度 月・半旬		1983 (S58)	1984 (S59)	1985 (S60)	1986 (S61)	1987 (S62)
4	1	26.86	7.90	20.56	3.81	4.45
	2	20.55	12.34	26.94	5.60	16.57
	3	51.82	11.46	29.52	12.15	13.35
	4	54.36	37.35	20.13	19.67	9.74
	5	38.61	48.86	41.96	62.68	20.43
	6	31.02	56.07	23.67	61.40	11.83
5	1	14.96	66.81	21.76	27.03	14.33
	2	15.70	55.94	24.03	38.01	7.13
	3	8.83	50.23	9.41	33.71	14.32
	4	11.48	35.71	5.53	32.06	12.16
	5	4.39	29.04	8.42	16.34	9.53
	6	3.16	26.37	4.03	11.69	4.56
6	1	3.35	19.48	3.03	6.96	2.32
	2	2.69	13.08	3.10	3.25	1.97
	3	3.07	8.64	4.02	2.95	2.19
	4	3.68	4.71	5.20	4.54	3.22
	5	5.75	5.92	40.05	4.24	4.37
	6	3.99	21.55	65.14	12.71	2.65
7	1	16.66	8.54	88.27	24.25	4.36
	2	10.89	15.59	38.06	9.54	3.69
	3	4.52	6.45	28.92	10.77	5.19
	4	9.37	5.60	17.51	12.34	4.89
	5	30.90	4.99	15.96	12.34	3.04
	6	118.33	5.89	5.77	4.79	2.29
8	1	27.07	6.40	3.99	22.60	1.72
	2	14.16	6.65	3.08	11.79	2.04
	3	21.21	3.46	3.70	3.74	2.18
	4	127.97	3.38	2.62	6.17	2.55
	5	39.33	2.79	2.38	7.18	2.02
	6	16.76	3.08	2.53	4.49	2.19
9	1	7.99	4.82	2.24	42.04	2.36
	2	10.43	4.04	3.53	11.92	8.58
	3	7.02	2.96	2.67	9.39	11.37
	4	6.54	2.82	2.95	7.55	4.40
	5	10.68	2.60	10.36	5.23	5.13
	6	82.70	2.37	9.30	3.49	6.69
10	1	39.42	2.59	5.65	4.48	4.28
	2	29.48	2.39	4.94	3.91	3.47
	3	22.78	2.82	6.40	4.97	3.13
	4	21.17	3.06	3.88	3.72	4.60
	5	18.96	3.01	3.19	8.60	3.84
	6	18.61	2.38	3.25	11.04	3.62
11	1	15.89	2.21	2.76	10.15	3.43
	2	15.24	2.15	6.05	10.32	3.42
	3	14.53	2.00	3.15	10.26	3.21
	4	14.58	1.78	2.57	7.87	2.97
	5	14.83	1.95	2.66	8.58	2.57
	6	14.64	1.44	2.16	2.43	2.00
12	1	15.10	1.70	3.88	1.70	1.52
	2	14.27	1.58	11.24	1.66	1.19
	3	13.18	1.79	10.35	2.36	4.66
	4	11.13	1.25	10.33	2.73	8.99
	5	1.85	1.01	9.92	1.46	4.59
	6	1.77	0.89	8.74	1.17	1.07
1	1	1.95	0.95	7.95	1.02	1.10
	2	1.45	0.91	9.60	1.34	1.08
	3	1.15	0.63	8.69	1.28	1.04
	4	1.13	0.75	9.48	1.35	1.06
	5	1.25	0.76	9.23	1.77	1.45
	6	1.32	0.81	9.44	1.63	1.05
2	1	1.23	0.87	8.43	1.22	0.44
	2	1.26	2.25	8.19	1.32	0.00
	3	1.21	1.25	8.31	2.31	0.00
	4	0.96	1.05	8.06	1.96	0.00
	5	1.40	0.85	7.82	1.84	0.07
	6	1.42	1.10	6.75	1.64	0.26
3	1	1.31	1.29	3.34	1.88	1.12
	2	1.38	1.86	2.05	1.84	0.30
	3	1.01	1.70	1.50	2.67	0.32
	4	1.20	5.10	1.96	3.26	0.90
	5	1.06	4.10	1.74	29.97	2.15
	6	2.53	11.13	2.85	12.44	2.37

菌原ダム地点流量データ (2/4)

単位: m³/s

年度		1988	1989	1990	1991	1992
月・半旬		(S63)	(H01)	(H02)	(H03)	(H04)
4	1	2.65	3.50	25.71	26.17	24.36
	2	3.16	27.47	16.70	60.09	19.78
	3	7.31	23.35	29.30	56.64	15.22
	4	16.46	29.42	16.61	41.89	11.22
	5	25.05	31.91	46.55	22.16	13.67
	6	24.13	20.26	30.62	30.81	16.93
5	1	26.67	16.21	20.59	15.82	15.67
	2	15.01	24.28	32.53	13.79	13.92
	3	25.83	39.17	24.84	15.50	14.26
	4	30.30	19.52	13.95	14.42	17.64
	5	28.52	16.84	9.04	12.91	12.18
	6	13.64	28.97	4.47	8.10	17.91
6	1	20.54	10.93	2.95	4.60	20.04
	2	9.54	5.95	2.87	6.94	13.86
	3	4.01	3.53	3.54	6.18	7.53
	4	4.60	10.29	2.63	4.29	5.93
	5	5.34	16.51	2.82	4.66	14.47
	6	12.83	20.96	3.63	4.65	8.17
7	1	10.42	15.23	7.87	5.67	11.90
	2	7.16	9.54	4.32	3.74	6.02
	3	8.63	13.56	2.83	5.44	9.42
	4	7.97	16.78	3.11	7.83	16.49
	5	4.80	18.21	2.26	4.86	8.26
	6	13.96	14.39	2.73	3.82	3.72
8	1	5.21	10.89	2.45	9.02	4.07
	2	9.82	29.74	33.88	12.18	3.62
	3	24.25	10.72	12.42	5.79	5.33
	4	12.29	30.67	5.29	33.31	3.28
	5	10.66	9.39	3.02	33.55	2.89
	6	9.76	46.53	2.83	35.01	3.31
9	1	9.83	47.01	2.97	23.04	3.00
	2	34.73	37.86	3.65	12.60	3.18
	3	34.98	29.04	3.00	12.87	2.37
	4	18.39	44.11	37.71	52.64	3.09
	5	35.50	43.68	16.35	24.28	2.27
	6	49.10	26.66	16.73	14.53	2.34
10	1	23.65	19.41	10.55	19.73	2.50
	2	22.40	21.38	19.46	30.47	4.99
	3	16.62	18.95	11.68	72.39	3.88
	4	16.35	27.42	9.90	22.32	6.15
	5	14.00	25.30	6.14	14.02	9.29
	6	11.90	17.51	15.51	16.55	3.66
11	1	9.75	13.96	18.06	9.61	3.14
	2	8.00	16.10	11.90	5.33	3.07
	3	3.85	15.35	7.55	4.38	3.18
	4	3.59	14.79	5.01	3.98	3.02
	5	2.82	13.92	4.22	3.56	3.51
	6	1.94	12.75	19.65	7.46	1.97
12	1	2.10	13.19	23.72	3.25	1.82
	2	2.07	12.73	6.75	2.32	3.64
	3	2.65	13.35	5.01	2.06	2.47
	4	1.88	9.73	4.01	2.02	2.32
	5	1.39	2.05	4.18	2.11	2.19
	6	1.24	1.93	3.17	2.52	2.55
1	1	1.35	1.87	2.74	2.66	2.14
	2	1.39	1.76	3.05	1.86	2.06
	3	1.30	1.72	2.37	1.87	1.26
	4	1.47	1.66	3.22	1.88	1.19
	5	1.65	1.46	2.05	1.73	0.79
	6	1.41	1.26	1.96	1.69	1.06
2	1	1.36	1.58	2.03	2.21	1.81
	2	1.54	1.64	1.98	1.99	2.40
	3	1.40	2.21	3.65	2.00	1.59
	4	3.65	3.75	7.35	1.88	4.24
	5	2.79	16.56	3.21	1.94	4.15
	6	2.36	21.30	7.40	1.85	2.52
3	1	6.08	7.91	2.89	4.54	3.23
	2	4.92	4.53	3.91	2.71	3.22
	3	3.24	3.81	4.98	4.14	2.78
	4	2.83	3.80	4.54	6.16	1.87
	5	2.17	4.21	21.58	14.51	2.39
	6	2.25	6.72	50.28	19.28	3.69

菌原ダム地点流量データ (3/4)

単位: m³/s

年度 月・半旬		1993 (H05)	1994 (H06)	1995 (H07)	1996 (H08)	1997 (H09)
4	1	11.49	13.54	11.18	12.04	17.98
	2	6.30	27.49	23.63	4.87	63.73
	3	2.39	29.45	17.54	3.85	16.02
	4	8.22	28.62	36.10	18.95	9.68
	5	32.13	30.96	47.69	16.89	9.81
	6	24.25	26.08	47.55	47.75	11.47
5	1	24.41	36.70	57.49	65.96	18.36
	2	35.45	25.49	40.49	45.92	21.11
	3	56.85	24.97	53.73	38.73	11.58
	4	32.68	24.93	73.68	42.61	10.46
	5	21.76	12.19	32.02	34.91	24.88
	6	14.60	26.64	20.49	52.00	13.08
6	1	13.40	9.46	15.76	56.85	4.80
	2	7.52	5.99	22.07	25.20	3.25
	3	6.59	5.53	24.06	19.04	5.04
	4	5.26	4.52	39.36	13.88	13.13
	5	5.28	4.10	33.15	15.15	16.13
	6	6.01	3.93	26.93	12.96	6.99
7	1	19.88	3.96	20.74	8.08	4.74
	2	12.51	3.11	33.58	5.22	4.15
	3	17.92	2.67	56.75	3.60	3.66
	4	20.23	3.43	36.15	2.20	11.80
	5	18.14	2.77	23.33	4.43	6.58
	6	28.96	2.75	10.24	2.39	9.87
8	1	10.31	2.94	5.46	1.92	8.52
	2	9.64	2.23	3.87	1.92	11.78
	3	10.98	2.49	3.55	1.93	6.15
	4	14.00	2.77	3.13	1.45	3.66
	5	8.08	8.98	4.47	1.14	2.93
	6	23.94	3.38	4.19	3.82	3.09
9	1	18.20	2.44	4.14	1.61	3.36
	2	24.39	9.93	3.08	4.97	3.48
	3	29.24	10.97	4.25	3.19	5.87
	4	13.57	32.39	43.47	2.75	9.34
	5	9.78	10.04	5.18	17.90	7.26
	6	6.21	56.77	3.78	2.66	17.75
10	1	6.13	45.86	4.22	13.35	4.48
	2	8.95	12.86	4.08	19.43	3.23
	3	5.46	3.98	7.27	15.42	2.91
	4	4.15	6.26	7.04	10.30	2.71
	5	3.86	16.20	3.19	8.85	2.46
	6	8.56	13.57	3.05	9.11	2.56
11	1	10.46	12.22	2.53	10.61	2.52
	2	14.68	11.37	2.24	11.09	2.41
	3	28.23	10.77	2.19	10.94	1.96
	4	18.97	10.12	2.45	10.21	2.07
	5	13.48	11.00	2.35	10.69	2.78
	6	4.19	10.09	1.88	12.27	27.59
12	1	3.71	10.77	1.85	11.06	9.39
	2	3.46	12.03	0.98	10.01	5.01
	3	2.60	13.66	0.88	11.21	2.73
	4	1.74	12.79	0.93	12.86	1.11
	5	1.19	13.05	0.85	10.66	0.93
	6	2.36	11.57	1.08	9.60	1.89
1	1	2.46	10.06	1.47	9.38	1.70
	2	1.79	12.42	1.30	9.96	1.06
	3	1.86	11.94	0.95	8.03	0.67
	4	1.66	12.07	1.76	8.17	3.02
	5	1.67	12.19	0.88	8.09	0.94
	6	1.45	11.67	0.71	9.69	0.54
2	1	1.95	8.81	0.89	8.34	0.70
	2	1.72	8.48	0.91	8.60	0.77
	3	2.49	8.25	1.08	8.79	1.60
	4	1.48	8.13	1.17	9.37	3.00
	5	5.80	7.56	0.87	8.68	6.51
	6	2.68	7.31	1.09	10.68	3.93
3	1	2.26	7.18	1.28	9.52	4.52
	2	6.31	5.61	1.16	11.42	3.23
	3	5.09	1.81	1.41	12.05	4.83
	4	3.35	6.13	3.79	11.14	3.70
	5	5.71	5.65	7.10	4.29	3.10
	6	3.76	9.59	10.06	5.33	8.79

藪原ダム地点流量データ (4/4)

単位: m³/s

年度 月・半旬	1998 (H10)	1999 (H11)	2000 (H12)	2001 (H13)	2002 (H14)	
4	1	8.63	21.70	19.62	15.19	35.09
	2	33.45	20.74	32.92	20.61	39.86
	3	82.67	41.47	43.68	29.39	24.94
	4	51.00	31.83	23.04	20.10	44.65
	5	42.43	49.91	71.34	13.13	30.45
	6	26.19	54.08	33.21	15.49	19.33
5	1	20.34	45.41	53.74	16.93	23.23
	2	13.41	39.48	62.34	23.62	23.06
	3	13.85	29.80	60.01	16.55	17.80
	4	8.76	24.49	56.33	12.95	20.15
	5	8.28	21.38	44.50	13.30	11.98
	6	8.00	18.07	33.87	6.67	6.24
6	1	4.47	13.85	18.78	2.84	3.50
	2	4.37	12.55	12.45	2.40	3.01
	3	4.07	11.57	12.84	7.39	3.17
	4	3.43	14.02	7.35	9.80	3.71
	5	5.09	12.32	11.45	4.14	3.17
	6	4.07	21.90	9.85	5.48	3.45
7	1	3.70	21.58	11.35	4.41	3.10
	2	3.34	19.04	17.83	2.27	85.26
	3	2.97	60.72	8.82	2.12	79.17
	4	2.91	40.30	6.91	3.93	28.65
	5	4.60	25.07	5.07	3.36	12.60
	6	6.82	18.10	5.05	2.68	5.95
8	1	7.32	15.97	6.17	2.69	5.67
	2	4.18	14.47	15.40	2.43	3.69
	3	6.34	51.99	9.46	4.35	5.28
	4	20.44	32.07	5.98	2.46	5.63
	5	8.06	22.65	3.65	102.81	3.30
	6	138.89	18.40	3.51	33.65	2.59
9	1	53.05	15.19	3.71	18.90	2.68
	2	18.96	15.47	10.54	120.04	5.49
	3	29.12	22.02	88.08	131.58	5.43
	4	127.62	21.13	22.92	26.96	6.95
	5	52.96	45.23	11.92	14.77	3.46
	6	26.12	19.77	6.08	8.84	5.77
10	1	17.88	16.62	6.56	8.31	64.26
	2	9.36	11.39	4.45	10.40	10.67
	3	7.56	10.14	4.25	11.94	4.78
	4	25.70	8.72	5.20	6.97	4.66
	5	25.65	7.98	6.01	7.51	6.37
	6	20.78	23.74	4.34	6.03	4.54
11	1	17.42	17.03	19.25	6.90	3.44
	2	15.58	11.17	12.82	21.75	3.24
	3	14.81	13.05	4.79	16.42	3.09
	4	14.40	17.34	5.62	14.20	2.90
	5	12.30	14.43	6.46	12.94	4.49
	6	11.56	13.56	4.42	12.61	6.55
12	1	12.43	11.95	2.18	12.23	3.02
	2	13.47	13.15	1.91	12.79	2.77
	3	11.89	12.72	2.03	12.46	2.42
	4	11.32	12.51	1.82	12.16	2.71
	5	10.55	12.35	1.94	10.39	2.55
	6	8.90	11.33	1.89	9.63	2.24
1	1	9.03	11.85	2.01	8.79	2.18
	2	8.97	15.13	1.71	12.13	1.42
	3	11.48	16.87	0.93	12.31	1.19
	4	11.34	14.67	0.88	16.26	1.14
	5	10.11	12.09	0.89	29.80	1.18
	6	9.23	9.58	1.02	18.57	1.39
2	1	9.78	9.06	0.93	15.10	1.10
	2	8.97	8.52	1.00	13.24	1.27
	3	8.19	8.28	0.97	10.33	1.64
	4	9.40	7.73	1.23	9.56	1.52
	5	9.66	7.43	3.05	8.02	1.48
	6	8.65	7.22	1.76	2.04	1.42
3	1	9.67	8.07	2.42	2.81	3.25
	2	11.04	8.27	1.93	3.19	3.26
	3	14.35	7.71	1.77	3.71	2.40
	4	33.75	7.92	2.45	7.33	2.43
	5	22.78	9.07	7.56	6.58	2.66
	6	33.15	21.48	21.01	21.10	5.66

ハツ場ダム地点流量データ (1/4)

単位: m³/s

年度 月・半旬	1983 (S58)	1984 (S59)	1985 (S60)	1986 (S61)	1987 (S62)	
4	1	13.64	12.76	13.64	12.03	10.24
	2	13.73	12.94	17.81	12.53	16.27
	3	22.34	12.88	23.79	12.85	15.32
	4	27.07	13.13	16.31	12.87	10.39
	5	18.91	15.76	20.60	45.29	12.41
	6	17.13	17.34	17.74	22.52	10.56
5	1	13.30	36.08	16.33	15.53	10.94
	2	13.14	20.09	17.04	15.79	9.87
	3	13.01	19.00	13.31	18.41	12.76
	4	29.94	15.61	12.94	17.74	11.47
	5	16.77	13.16	12.97	13.19	11.19
	6	13.54	13.01	12.91	12.93	10.57
6	1	13.43	12.93	12.79	12.92	10.30
	2	13.31	12.88	12.82	12.70	10.08
	3	13.30	17.26	13.23	11.85	9.55
	4	13.23	31.44	13.06	12.77	10.96
	5	16.20	24.99	32.83	12.44	10.99
	6	12.95	21.83	46.09	13.63	9.80
7	1	20.36	12.96	98.61	14.21	12.76
	2	24.73	13.00	27.11	13.01	12.39
	3	14.24	12.96	48.49	13.42	16.46
	4	14.90	33.63	23.19	13.29	22.20
	5	20.38	22.50	24.49	13.03	12.97
	6	20.22	24.84	13.68	12.90	12.80
8	1	13.63	14.43	13.11	13.08	11.81
	2	13.13	12.96	13.09	13.09	11.01
	3	13.17	12.83	14.65	12.98	11.79
	4	224.51	12.34	12.97	12.94	12.76
	5	38.08	11.60	12.89	12.99	12.00
	6	17.40	11.03	12.84	12.88	10.83
9	1	13.16	10.49	12.79	60.70	11.66
	2	15.49	10.66	12.79	13.65	20.27
	3	13.15	10.79	12.75	13.05	13.37
	4	13.20	11.47	12.79	13.14	12.89
	5	15.74	10.78	18.13	12.90	12.83
	6	125.02	10.25	22.66	12.85	12.85
10	1	27.99	10.13	17.38	12.82	12.76
	2	19.06	9.51	17.36	12.80	12.19
	3	19.54	10.38	13.10	12.83	10.48
	4	17.62	10.18	12.98	11.79	11.33
	5	15.93	9.95	12.91	11.27	9.98
	6	15.39	9.49	12.86	10.84	9.63
11	1	14.37	9.75	12.84	11.15	9.77
	2	13.91	9.62	12.93	11.16	9.46
	3	13.54	9.99	12.40	10.66	9.89
	4	13.27	10.03	12.47	10.24	10.05
	5	12.93	9.49	12.28	10.35	8.96
	6	12.77	9.62	11.54	10.18	8.48
12	1	12.76	9.74	12.33	10.24	9.12
	2	12.74	9.69	12.70	9.95	9.55
	3	12.73	9.71	12.50	10.42	9.37
	4	12.76	9.63	12.30	10.77	9.43
	5	12.75	9.37	12.30	10.06	9.01
	6	12.71	9.23	12.52	9.25	8.86
1	1	12.70	9.09	11.95	9.50	8.97
	2	12.71	9.22	11.44	9.60	8.61
	3	12.69	9.22	11.25	9.49	8.45
	4	12.67	9.22	11.29	9.59	8.66
	5	12.64	9.25	11.24	9.87	9.08
	6	12.64	9.13	11.05	9.58	8.32
2	1	12.64	9.24	11.11	9.70	8.33
	2	12.65	9.73	11.04	9.80	8.55
	3	12.62	9.50	10.89	11.44	8.27
	4	12.64	9.28	10.84	9.43	8.39
	5	12.63	9.25	10.64	9.26	8.21
	6	12.62	9.36	10.14	9.14	8.27
3	1	12.61	9.47	10.34	9.31	8.02
	2	12.62	9.85	10.67	9.48	7.96
	3	12.61	9.90	10.96	10.01	8.93
	4	12.61	10.23	10.94	10.06	8.87
	5	12.61	10.61	10.61	20.36	9.44
	6	12.64	12.93	10.81	14.01	9.36

ハッ場ダム地点流量データ (2/4)

単位: m³/s

年度 月・半旬	1988 (S63)	1989 (H01)	1990 (H02)	1991 (H03)	1992 (H04)	
4	1	8.79	12.95	12.93	13.30	13.28
	2	9.96	13.18	12.97	27.90	14.26
	3	11.25	13.18	16.26	15.13	13.81
	4	13.30	14.25	13.42	17.96	13.13
	5	13.55	14.92	16.26	13.80	13.17
	6	13.01	13.32	13.14	15.37	13.19
5	1	14.55	13.29	13.04	13.21	13.27
	2	12.95	13.97	13.70	13.14	13.20
	3	13.39	22.54	13.11	13.13	13.15
	4	14.37	13.85	13.05	13.11	14.02
	5	18.67	13.26	12.93	13.03	13.15
	6	13.10	15.67	12.48	12.95	13.17
6	1	37.38	13.16	12.56	16.33	13.18
	2	15.62	13.10	12.73	14.95	13.21
	3	13.07	13.05	12.66	12.85	13.07
	4	13.02	20.19	12.71	12.83	13.02
	5	12.95	13.53	12.72	13.79	17.19
	6	35.04	18.49	12.80	13.03	13.42
7	1	39.97	13.39	13.57	17.41	14.17
	2	13.25	13.31	16.70	13.27	13.11
	3	13.12	13.35	12.82	13.22	13.18
	4	16.44	17.93	12.79	14.21	15.75
	5	15.08	14.85	12.76	13.16	13.56
	6	17.63	36.46	9.92	13.01	13.07
8	1	13.19	29.71	9.09	13.01	12.99
	2	13.35	27.61	20.61	19.42	12.96
	3	45.75	21.28	16.95	13.09	13.10
	4	42.98	22.36	13.02	13.08	13.04
	5	36.09	16.42	12.89	28.55	13.04
	6	43.01	46.38	12.82	16.86	13.03
9	1	25.22	26.05	12.86	21.56	12.92
	2	42.69	30.03	12.82	14.34	12.86
	3	49.20	15.56	12.80	18.50	12.81
	4	19.38	28.59	36.09	29.14	12.81
	5	28.56	23.46	14.34	20.24	12.78
	6	40.24	13.35	15.84	23.99	12.82
10	1	19.77	13.26	16.97	41.03	12.81
	2	22.17	13.14	21.45	23.89	13.96
	3	15.47	13.21	15.18	38.03	15.69
	4	13.32	13.24	12.87	24.93	13.09
	5	13.20	13.18	12.76	24.50	13.16
	6	13.15	13.04	16.51	23.48	12.94
11	1	15.65	12.96	14.92	22.92	12.83
	2	14.74	12.85	15.05	22.82	12.82
	3	12.80	12.75	12.86	22.73	12.78
	4	12.70	12.86	12.79	22.67	12.75
	5	12.74	12.80	12.72	22.63	12.76
	6	12.82	12.77	23.20	27.03	12.71
12	1	12.84	12.77	30.99	22.62	12.72
	2	12.85	12.75	17.25	22.57	12.75
	3	12.89	12.79	14.04	22.54	12.79
	4	12.87	12.70	12.85	22.51	12.76
	5	12.86	12.68	12.80	22.49	12.74
	6	12.85	12.61	12.73	22.48	12.73
1	1	12.85	12.66	12.68	12.81	12.79
	2	12.87	12.65	12.70	12.82	12.86
	3	12.84	12.65	12.71	12.79	12.85
	4	12.90	12.68	12.69	12.78	12.84
	5	12.95	12.64	12.70	12.77	12.74
	6	12.85	12.59	12.68	12.76	12.74
2	1	12.87	12.08	12.66	12.78	12.76
	2	12.90	12.05	12.65	12.75	12.83
	3	12.87	11.45	12.65	12.72	12.76
	4	13.00	10.80	12.71	12.71	12.78
	5	12.87	12.82	12.61	12.62	12.79
	6	12.83	12.87	12.67	12.67	12.76
3	1	12.93	12.80	12.65	13.25	12.77
	2	12.92	12.75	12.70	12.79	12.77
	3	12.90	12.81	12.72	12.83	12.74
	4	12.88	42.61	12.67	12.90	12.76
	5	12.87	12.76	17.00	12.89	12.81
	6	12.92	12.79	19.24	13.11	12.92

八ッ場ダム地点流量データ (3/4)

単位: m³/s

年度		1993	1994	1995	1996	1997
月・半旬		(H05)	(H06)	(H07)	(H08)	(H09)
4	1	12.97	12.88	12.96	12.95	12.95
	2	12.95	13.03	13.08	12.81	16.99
	3	12.89	13.05	13.07	12.79	13.08
	4	13.01	13.04	13.22	12.99	12.97
	5	13.25	13.06	13.45	12.92	12.93
	6	13.20	13.03	13.26	13.10	12.92
5	1	13.28	13.02	14.96	16.27	12.97
	2	13.33	12.99	13.21	15.53	13.03
	3	14.86	13.00	16.47	13.54	12.98
	4	13.23	15.43	16.30	13.09	12.93
	5	13.08	12.89	13.24	13.08	14.19
	6	12.99	15.54	13.09	13.00	13.07
6	1	12.96	12.92	13.13	13.00	12.93
	2	12.93	12.86	13.56	12.93	12.87
	3	12.87	12.85	15.85	12.88	12.79
	4	13.02	13.01	19.33	12.86	12.90
	5	13.03	12.94	14.11	13.01	14.12
	6	13.03	12.82	15.26	14.22	16.69
7	1	17.43	12.84	14.61	12.97	12.95
	2	15.38	12.79	26.31	12.96	12.87
	3	13.39	12.77	28.47	12.85	12.90
	4	13.40	12.84	14.56	12.86	12.98
	5	13.32	12.56	13.33	12.90	12.84
	6	14.37	12.82	13.15	12.89	15.90
8	1	13.19	12.75	13.04	12.83	13.38
	2	13.17	11.99	12.95	12.73	14.13
	3	13.11	11.41	12.91	12.74	13.03
	4	13.36	11.65	12.88	12.75	12.91
	5	13.18	12.78	12.90	12.75	12.83
	6	13.36	12.88	12.86	12.98	12.89
9	1	13.30	12.09	12.84	12.81	12.86
	2	18.68	12.27	12.76	12.94	13.01
	3	22.36	12.45	12.78	12.98	13.00
	4	14.18	37.35	13.26	12.91	16.95
	5	13.39	13.19	12.84	13.21	13.07
	6	13.25	20.54	12.78	12.99	20.73
10	1	13.51	17.05	12.78	12.69	13.07
	2	13.24	13.23	12.73	12.74	12.95
	3	13.10	13.15	12.71	12.68	12.84
	4	13.04	13.00	12.70	12.65	12.81
	5	13.00	13.09	12.71	12.63	12.77
	6	13.08	12.94	12.68	12.59	12.73
11	1	13.02	12.88	12.65	12.65	12.75
	2	12.94	12.88	12.75	12.62	13.64
	3	13.29	12.81	14.45	12.61	12.70
	4	13.05	12.79	13.21	12.60	12.76
	5	13.01	12.77	12.65	12.59	12.72
	6	12.94	12.96	12.65	12.61	13.00
12	1	12.97	12.72	12.64	12.61	12.94
	2	13.00	12.74	12.63	12.61	12.95
	3	12.95	12.73	12.65	12.58	12.88
	4	12.90	12.71	12.64	12.62	12.83
	5	13.40	12.69	12.64	12.67	12.78
	6	12.83	12.69	12.64	12.66	12.70
1	1	12.77	12.69	12.56	12.50	12.68
	2	12.73	12.69	12.63	12.70	12.71
	3	12.77	12.67	12.19	12.63	12.71
	4	12.81	12.70	12.65	12.65	12.70
	5	12.78	12.71	11.79	12.67	12.67
	6	12.71	12.70	11.75	12.64	12.67
2	1	12.47	12.67	12.62	12.63	12.56
	2	12.69	12.69	12.63	12.46	12.37
	3	12.68	12.67	12.54	12.63	12.67
	4	12.68	12.65	12.59	12.63	12.67
	5	12.78	12.66	12.47	12.48	12.76
	6	12.67	12.64	12.38	12.68	12.71
3	1	12.67	12.66	12.60	12.67	12.72
	2	12.70	12.68	12.62	12.69	12.69
	3	12.73	12.71	12.61	12.72	12.74
	4	12.71	12.73	12.65	12.71	12.61
	5	12.72	12.73	12.78	12.75	12.73
	6	12.69	12.85	12.90	12.81	13.01

ハツ場ダム地点流量データ (4/4)

単位: m³/s

年度 月・半旬		1998 (H10)	1999 (H11)	2000 (H12)	2001 (H13)	2002 (H14)
4	1	13.06	12.98	11.66	12.92	14.48
	2	21.25	12.89	12.43	13.03	14.50
	3	38.18	15.53	15.88	16.66	13.46
	4	41.15	13.10	12.95	13.36	15.56
	5	21.34	13.17	25.26	12.99	16.47
	6	17.69	13.16	16.76	12.95	13.12
5	1	15.86	14.74	15.64	13.00	13.22
	2	13.08	13.32	16.46	13.09	13.33
	3	13.12	12.99	17.42	13.04	14.25
	4	13.03	13.00	18.72	12.89	16.90
	5	12.99	12.93	16.29	16.67	13.86
	6	13.00	13.40	14.15	16.56	12.89
6	1	12.93	12.97	12.92	15.46	12.81
	2	12.94	12.92	12.93	13.15	12.63
	3	14.44	12.86	12.94	20.47	12.78
	4	13.22	12.92	12.49	28.30	12.88
	5	16.64	12.92	13.12	16.55	12.86
	6	13.07	34.88	13.48	14.28	12.86
7	1	12.93	28.75	13.50	13.11	12.93
	2	12.94	15.32	13.13	11.96	17.48
	3	12.88	50.45	12.98	12.05	40.40
	4	12.80	44.92	12.98	12.92	25.74
	5	12.87	31.70	12.91	12.35	21.62
	6	15.34	15.61	12.84	11.34	14.13
8	1	14.49	13.32	13.81	10.92	14.97
	2	12.92	13.13	20.21	11.63	12.92
	3	12.92	50.70	14.54	17.56	13.65
	4	12.97	61.47	12.98	13.46	18.77
	5	12.90	29.97	12.88	60.95	14.30
	6	22.18	17.78	12.84	25.12	12.85
9	1	23.55	13.22	12.66	20.83	12.83
	2	14.69	13.13	12.48	55.55	15.55
	3	12.96	14.69	24.84	114.89	12.96
	4	47.02	20.03	29.97	27.03	16.39
	5	17.01	54.32	17.28	17.34	12.97
	6	14.83	18.64	15.27	14.09	12.92
10	1	19.52	13.30	15.24	14.00	22.95
	2	17.74	13.19	15.18	15.44	13.10
	3	13.98	13.11	15.15	23.82	12.94
	4	18.91	13.03	14.75	13.85	12.93
	5	22.74	12.96	15.19	13.25	13.11
	6	17.51	17.24	15.08	13.20	12.90
11	1	16.42	17.90	15.15	15.45	12.81
	2	15.59	17.00	15.16	13.08	12.78
	3	15.35	16.86	14.80	12.98	12.77
	4	15.16	17.02	14.76	12.94	12.73
	5	14.81	16.03	14.75	12.94	14.30
	6	14.62	15.98	14.20	12.96	13.43
12	1	14.47	15.81	13.93	12.97	12.60
	2	14.38	16.12	13.54	12.88	12.71
	3	14.19	15.72	13.43	12.82	12.24
	4	14.06	15.47	13.23	12.84	12.65
	5	13.81	15.26	13.10	12.89	12.00
	6	13.45	14.83	12.97	12.73	11.43
1	1	13.71	14.74	12.88	12.71	10.82
	2	13.93	14.90	12.90	12.74	12.30
	3	14.06	15.19	12.73	12.75	11.41
	4	13.87	14.94	12.72	12.77	11.63
	5	13.57	14.51	12.73	12.88	11.71
	6	13.52	14.45	12.73	12.76	12.39
2	1	13.93	14.56	12.72	12.71	11.36
	2	13.41	14.59	12.69	12.46	11.47
	3	13.18	14.22	12.70	12.61	11.00
	4	13.53	14.32	12.69	12.34	10.43
	5	13.49	13.33	12.75	12.49	11.78
	6	13.40	12.81	12.73	12.74	12.66
3	1	13.40	12.73	12.75	12.74	11.31
	2	13.31	12.72	12.71	12.85	11.33
	3	12.70	12.68	12.68	12.82	11.41
	4	13.08	12.71	12.74	12.90	11.62
	5	12.97	12.74	12.93	12.87	11.93
	6	13.07	12.82	13.17	13.00	12.84

下久保ダム地点流量データ (1/4)

単位: m³/s

年度 月・半旬	1983 (S58)	1984 (S59)	1985 (S60)	1986 (S61)	1987 (S62)	
4	1	8.91	2.48	8.83	6.53	1.88
	2	5.57	3.28	10.17	4.50	1.70
	3	6.56	2.13	29.90	4.06	1.58
	4	13.14	4.01	13.51	3.77	1.40
	5	7.00	4.86	15.06	7.49	1.38
	6	4.60	2.88	11.22	6.96	1.41
5	1	3.54	5.73	6.82	5.34	1.24
	2	3.25	3.42	5.13	7.55	1.08
	3	3.01	2.71	4.14	10.88	3.36
	4	11.84	4.52	2.98	11.61	3.37
	5	6.11	3.14	4.55	8.63	2.79
	6	4.32	2.85	4.52	6.58	2.09
6	1	3.14	2.55	3.70	5.65	1.74
	2	2.56	2.09	2.77	5.05	0.97
	3	2.56	1.76	18.30	3.41	0.71
	4	3.81	3.28	17.19	5.35	1.19
	5	6.10	6.92	27.25	4.21	3.22
	6	2.82	20.25	73.03	7.70	1.70
7	1	6.83	9.78	69.90	11.01	4.22
	2	13.09	7.44	15.27	8.31	5.43
	3	10.60	5.30	13.13	9.66	5.67
	4	10.28	6.23	10.13	10.93	6.17
	5	8.18	10.79	12.80	9.52	8.19
	6	7.81	22.07	6.48	6.58	3.33
8	1	7.15	14.00	6.31	26.07	2.65
	2	6.78	18.23	4.94	16.58	3.89
	3	54.23	11.97	5.29	8.27	7.14
	4	167.90	5.64	3.92	8.58	7.97
	5	21.82	2.82	2.50	11.17	6.31
	6	11.21	2.66	4.09	8.28	3.76
9	1	8.01	1.85	3.08	97.04	4.84
	2	19.34	2.62	3.18	19.09	10.22
	3	11.05	2.56	2.74	11.63	19.06
	4	10.25	2.96	2.82	9.65	10.72
	5	16.56	2.81	5.50	7.35	9.23
	6	83.16	1.82	7.62	5.73	9.69
10	1	23.38	1.87	6.16	7.60	6.94
	2	11.75	1.46	4.36	7.21	4.91
	3	7.59	8.63	4.61	5.48	3.81
	4	6.14	6.43	3.54	4.04	6.40
	5	4.61	6.05	2.79	4.04	4.81
	6	3.93	3.13	2.58	3.76	4.15
11	1	3.31	2.39	2.26	2.71	4.39
	2	3.41	2.82	3.11	2.54	4.00
	3	2.87	2.64	2.19	2.25	3.26
	4	2.45	3.28	1.91	1.99	2.77
	5	2.52	2.86	2.13	1.94	2.43
	6	2.14	2.55	1.92	1.71	2.29
12	1	2.09	2.45	1.69	1.64	2.01
	2	2.13	1.67	1.86	1.52	2.26
	3	1.86	2.58	1.55	2.01	2.45
	4	1.61	2.08	1.43	2.76	1.97
	5	1.56	1.58	1.36	2.06	1.73
	6	1.35	1.41	1.36	1.65	1.62
1	1	1.42	1.34	1.33	1.52	1.56
	2	1.31	1.17	1.07	1.46	1.50
	3	1.34	1.24	1.09	1.26	1.38
	4	1.16	1.03	1.19	1.20	1.32
	5	1.33	1.08	1.01	1.38	1.34
	6	1.21	0.96	0.98	1.15	1.16
2	1	1.17	1.08	1.01	1.27	1.15
	2	0.94	2.35	0.88	1.21	1.06
	3	1.14	2.11	1.01	1.57	1.01
	4	1.13	2.01	1.06	1.28	0.93
	5	1.20	2.05	1.06	1.22	0.96
	6	1.15	2.16	1.08	1.06	1.12
3	1	1.07	3.26	0.98	1.09	1.49
	2	1.09	3.72	1.07	1.27	1.03
	3	1.04	3.99	1.70	1.45	1.25
	4	1.45	6.21	1.61	1.69	1.31
	5	1.09	7.00	2.15	3.61	4.00
	6	1.55	8.90	4.79	2.65	4.50

下久保ダム地点流量データ (2/4)

単位: m³/s

年度 月・半旬	1988 (S63)	1989 (H01)	1990 (H02)	1991 (H03)	1992 (H04)	
4	1	3.65	3.58	3.72	7.87	11.40
	2	6.07	5.75	3.05	13.09	13.56
	3	10.94	5.39	3.05	9.10	10.37
	4	8.69	4.54	7.02	5.83	6.73
	5	6.80	8.88	5.98	5.26	5.98
	6	4.59	8.98	4.31	5.13	5.62
5	1	3.85	5.94	3.49	4.04	4.53
	2	6.44	7.30	3.42	3.48	4.35
	3	6.00	16.35	3.37	3.64	3.48
	4	6.04	8.78	2.82	2.55	5.15
	5	11.13	7.55	2.35	2.37	4.84
	6	8.46	18.34	2.81	2.95	7.47
6	1	9.63	7.48	2.39	6.04	7.79
	2	6.97	7.00	1.62	4.69	7.63
	3	5.20	5.51	1.34	4.19	6.03
	4	6.17	19.41	1.39	6.50	7.42
	5	5.75	22.14	0.28	12.57	29.96
	6	32.31	23.21	0.31	7.86	17.50
7	1	21.39	14.40	1.26	6.75	15.95
	2	9.81	13.37	1.53	7.62	8.42
	3	7.42	25.41	2.52	14.78	9.31
	4	11.84	21.47	1.33	11.73	11.72
	5	11.29	17.40	1.75	6.78	7.58
	6	18.71	53.33	1.43	4.91	4.89
8	1	10.71	35.66	0.82	10.22	6.48
	2	11.28	64.72	40.11	6.54	4.47
	3	31.14	15.45	20.35	8.03	13.59
	4	50.30	16.41	6.66	32.01	6.28
	5	36.55	9.35	3.80	40.38	4.65
	6	47.59	35.30	3.06	25.01	4.11
9	1	15.77	19.05	2.31	21.77	3.12
	2	32.55	17.51	1.98	15.83	2.55
	3	18.17	15.30	2.86	22.25	1.98
	4	24.29	17.80	10.45	71.35	2.50
	5	30.33	18.00	5.94	27.95	2.03
	6	50.75	10.54	40.27	12.99	2.35
10	1	23.51	10.36	34.36	32.86	2.86
	2	16.76	20.14	28.05	34.36	15.66
	3	9.78	22.82	13.99	121.81	11.39
	4	6.84	13.37	7.96	22.47	19.51
	5	5.11	8.64	6.06	12.49	20.11
	6	4.19	6.22	5.67	18.36	7.72
11	1	3.42	4.80	9.44	9.91	5.06
	2	2.94	4.22	7.62	7.16	4.35
	3	2.65	3.61	5.39	5.15	3.84
	4	2.70	3.31	4.66	4.44	3.58
	5	2.29	2.79	3.61	3.73	4.67
	6	2.11	2.48	48.11	4.55	3.20
12	1	1.91	2.30	39.43	3.55	3.21
	2	1.86	2.10	11.59	3.01	3.07
	3	1.68	1.97	8.41	2.63	2.76
	4	1.52	1.77	5.84	2.40	2.55
	5	1.50	1.89	4.80	2.53	2.16
	6	1.39	1.71	3.95	2.36	2.08
1	1	1.33	1.54	3.55	1.99	1.91
	2	1.50	1.46	2.83	2.22	2.18
	3	1.44	1.35	2.47	1.77	2.22
	4	1.38	1.65	2.37	1.63	2.18
	5	2.16	1.36	2.68	1.63	2.33
	6	1.44	1.26	2.04	1.80	2.94
2	1	1.32	1.53	1.85	1.78	2.19
	2	1.74	1.47	1.78	1.56	3.75
	3	1.50	1.94	2.33	1.48	2.69
	4	4.74	2.12	2.58	1.41	2.94
	5	3.17	2.91	1.70	1.27	3.17
	6	4.62	3.40	1.81	1.28	2.69
3	1	4.72	6.21	1.79	2.14	2.43
	2	5.62	3.98	2.08	1.80	2.35
	3	6.18	3.55	2.80	1.69	2.22
	4	4.85	2.95	2.20	2.71	1.89
	5	3.70	2.24	9.65	6.17	2.16
	6	3.65	2.72	9.70	10.92	3.04

下久保ダム地点流量データ (3/4)

単位: m³/s

年度 月・半旬		1993 (H05)	1994 (H06)	1995 (H07)	1996 (H08)	1997 (H09)
4	1	3.08	2.81	4.02	2.20	2.38
	2	2.84	3.05	3.04	1.33	12.72
	3	2.37	2.74	2.96	1.05	4.81
	4	2.07	2.38	2.90	3.18	2.97
	5	2.27	2.27	2.97	2.10	2.45
	6	2.57	2.08	2.85	1.63	2.19
5	1	3.10	2.14	4.41	2.48	1.95
	2	3.24	1.87	3.50	3.75	2.30
	3	6.75	3.14	5.99	3.03	2.56
	4	5.68	2.51	15.37	2.03	2.55
	5	3.68	2.23	5.57	1.74	9.47
	6	2.62	2.84	3.82	1.33	7.46
6	1	2.51	2.74	2.85	1.07	3.89
	2	2.44	2.47	6.53	1.14	2.82
	3	2.34	2.88	15.37	1.09	3.86
	4	2.13	3.36	13.12	1.04	12.72
	5	6.56	3.42	8.07	1.84	13.90
	6	7.51	2.75	9.62	5.44	6.41
7	1	27.31	2.13	15.28	2.26	4.15
	2	23.52	3.11	41.72	6.18	3.73
	3	11.39	2.83	17.81	9.38	6.53
	4	13.76	14.68	11.14	7.22	5.08
	5	18.76	5.13	9.48	18.25	3.04
	6	25.58	5.23	5.68	7.97	5.62
8	1	11.16	3.71	4.10	3.51	4.98
	2	17.55	2.02	4.00	3.11	3.50
	3	11.40	1.32	2.61	2.33	3.12
	4	12.12	1.98	2.28	1.76	2.98
	5	9.04	9.56	3.25	1.27	2.15
	6	57.78	5.19	2.07	2.51	1.84
9	1	26.02	6.78	1.81	1.88	2.29
	2	33.92	4.05	1.41	4.15	4.81
	3	26.13	5.76	1.88	12.40	9.48
	4	13.33	29.83	29.32	7.91	16.64
	5	13.99	10.76	5.75	47.43	10.54
	6	9.72	39.75	3.82	12.25	16.03
10	1	9.78	42.11	4.69	11.90	7.29
	2	22.97	15.73	4.59	17.44	4.74
	3	12.96	8.75	3.06	14.15	3.47
	4	7.33	5.88	2.54	10.24	2.86
	5	5.39	5.51	2.21	6.45	2.44
	6	4.28	4.02	1.92	4.73	2.18
11	1	3.46	3.57	1.62	4.72	1.89
	2	3.14	3.10	1.69	3.49	1.69
	3	7.74	2.88	1.52	3.22	1.78
	4	4.48	2.75	1.42	2.71	1.81
	5	3.56	2.76	1.42	2.44	1.54
	6	3.21	2.50	1.76	2.18	2.14
12	1	3.11	2.38	1.46	2.09	1.88
	2	2.70	2.24	1.29	1.98	1.57
	3	2.70	2.07	1.06	1.82	1.32
	4	2.37	1.70	1.02	1.84	1.36
	5	2.26	1.27	1.03	1.55	1.19
	6	2.12	1.42	0.91	1.42	1.16
1	1	1.87	1.38	0.93	1.45	1.03
	2	1.76	1.25	1.03	1.39	1.27
	3	2.03	0.90	0.88	1.26	1.59
	4	2.04	0.97	1.04	1.20	1.95
	5	1.66	1.24	0.93	1.16	1.52
	6	1.67	1.01	0.83	1.10	1.30
2	1	1.53	0.96	0.83	1.05	1.27
	2	1.56	0.95	0.75	1.02	1.39
	3	1.59	1.08	0.82	1.04	3.08
	4	1.51	0.89	0.93	0.94	3.33
	5	2.06	0.88	0.94	0.94	6.14
	6	1.45	1.01	1.06	1.06	7.10
3	1	1.44	1.27	0.88	1.02	9.88
	2	2.07	1.14	0.89	0.93	6.67
	3	2.07	1.49	1.10	1.24	6.86
	4	1.61	1.80	2.07	1.59	5.69
	5	3.53	2.00	1.50	1.53	7.40
	6	2.69	3.26	1.86	2.27	7.82

下久保ダム地点流量データ (4/4)

単位 : m³/s

年度 月・半旬	1998 (H10)	1999 (H11)	2000 (H12)	2001 (H13)	2002 (H14)	
4	1	8.41	1.72	1.31	4.31	3.09
	2	21.12	2.06	1.47	4.53	2.66
	3	18.70	19.85	1.77	4.58	2.88
	4	14.64	5.28	2.03	3.26	2.56
	5	8.21	15.71	6.30	2.94	5.88
	6	5.80	14.67	3.06	2.99	3.70
5	1	4.81	8.08	2.20	8.16	2.87
	2	4.06	6.79	1.81	5.84	2.71
	3	3.68	4.89	2.42	3.83	3.02
	4	4.63	3.02	6.81	3.15	4.37
	5	4.40	4.15	5.12	14.12	3.13
	6	5.12	4.42	3.11	10.25	2.77
6	1	4.26	3.56	2.84	6.59	2.13
	2	5.85	2.83	2.73	6.32	1.74
	3	9.15	2.57	9.80	14.79	0.10
	4	8.58	3.80	6.70	22.68	5.24
	5	25.10	3.20	14.99	11.47	0.95
	6	10.57	16.34	13.15	6.60	5.28
7	1	5.96	16.18	17.66	5.32	7.29
	2	4.55	14.66	46.42	4.09	40.15
	3	3.86	59.53	13.62	3.64	44.69
	4	3.63	24.82	10.71	7.66	12.03
	5	4.93	16.65	7.91	8.31	7.52
	6	11.01	8.97	7.23	3.64	5.04
8	1	13.50	5.54	6.93	2.34	10.05
	2	12.77	4.29	20.11	2.27	5.07
	3	6.72	206.63	30.59	4.40	3.98
	4	5.29	43.39	24.89	3.42	35.70
	5	4.14	26.25	10.65	37.23	15.38
	6	19.78	15.18	7.96	11.70	7.63
9	1	26.28	9.53	5.29	8.14	6.32
	2	13.71	7.32	4.84	185.40	11.49
	3	21.23	5.68	57.18	117.93	8.12
	4	92.68	5.59	20.28	17.46	8.69
	5	30.60	25.39	13.17	11.20	5.87
	6	35.42	9.59	9.16	7.55	5.09
10	1	25.76	6.39	8.10	7.36	52.12
	2	12.51	4.77	6.05	19.35	11.08
	3	7.80	3.88	4.79	23.66	6.99
	4	17.22	3.66	4.30	9.68	6.01
	5	23.50	2.97	6.30	8.95	9.81
	6	12.43	11.74	5.20	5.49	5.33
11	1	7.41	4.75	7.51	5.69	4.16
	2	5.42	3.77	5.92	8.43	3.54
	3	4.40	3.37	4.43	6.59	3.15
	4	3.64	2.99	4.62	4.93	2.83
	5	3.23	2.68	4.59	4.11	2.83
	6	2.81	2.33	3.69	3.57	2.59
12	1	3.45	2.55	3.19	3.33	2.53
	2	2.97	2.13	2.87	3.12	2.69
	3	2.33	1.93	2.49	2.58	2.23
	4	1.69	1.88	2.35	2.48	2.62
	5	1.56	1.61	2.29	2.28	3.11
	6	1.45	1.63	1.98	2.10	2.25
1	1	1.24	1.56	1.81	2.02	2.33
	2	1.36	1.70	2.19	1.92	2.17
	3	1.72	1.60	1.88	1.86	2.05
	4	1.54	1.61	1.60	2.01	1.94
	5	1.61	1.20	1.73	3.37	1.89
	6	1.49	1.23	1.79	2.85	2.24
2	1	1.35	1.05	1.27	2.46	1.94
	2	1.41	1.17	2.20	2.94	1.89
	3	1.31	1.19	1.91	2.25	2.47
	4	1.34	0.97	1.79	2.02	2.25
	5	1.26	1.04	3.89	2.13	1.96
	6	1.22	0.96	3.69	2.31	1.81
3	1	1.16	1.09	6.89	2.61	4.08
	2	1.22	1.13	5.44	2.63	3.82
	3	1.16	1.05	4.08	2.12	2.90
	4	1.80	1.12	4.28	2.17	2.88
	5	1.71	1.37	5.99	2.05	2.87
	6	2.48	1.38	6.31	3.64	5.18

南摩ダム地点流量データ (1/4)

単位: m³/s

年度		1983 (S58)	1984 (S59)	1985 (S60)	1986 (S61)	1987 (S62)
月・半旬						
4	1	3.40	0.16	2.65	0.20	0.34
	2	0.43	0.25	1.99	0.12	0.11
	3	0.59	0.14	3.07	0.10	0.09
	4	1.01	0.09	0.68	0.11	0.08
	5	0.88	0.11	2.05	10.37	0.06
	6	0.50	0.10	0.67	0.46	0.06
5	1	0.27	0.28	0.29	0.33	0.05
	2	0.23	0.25	0.19	0.22	0.05
	3	0.22	0.11	0.12	0.60	0.05
	4	0.23	0.09	0.12	2.82	0.08
	5	0.21	0.09	0.12	0.67	0.29
	6	0.19	0.07	0.14	0.50	0.47
6	1	0.13	0.06	0.11	0.52	0.09
	2	0.11	0.05	0.10	0.36	0.07
	3	0.32	0.05	0.26	0.20	0.08
	4	0.24	0.05	0.44	0.40	0.07
	5	1.17	0.27	7.25	0.42	0.29
	6	0.55	1.01	11.08	0.92	0.10
7	1	1.86	0.59	24.05	10.92	0.52
	2	4.13	0.47	0.90	2.82	0.55
	3	0.84	1.08	6.12	0.75	0.23
	4	0.61	4.76	0.97	0.69	0.49
	5	0.63	0.45	4.16	0.80	0.11
	6	1.04	0.33	0.30	0.58	0.11
8	1	1.71	0.21	0.29	22.07	0.10
	2	0.65	0.18	0.16	9.05	0.10
	3	3.71	0.29	1.12	0.18	0.97
	4	26.25	0.21	0.68	0.62	1.52
	5	2.86	0.11	0.40	6.44	0.74
	6	0.50	0.09	0.31	0.17	0.60
9	1	0.25	0.08	0.43	21.40	0.23
	2	0.23	0.08	0.20	2.43	3.40
	3	0.22	0.08	0.11	1.88	16.86
	4	0.22	0.17	0.11	0.42	0.66
	5	0.23	0.10	0.56	0.28	2.25
	6	9.78	0.08	7.37	0.16	6.96
10	1	4.80	0.06	7.05	1.64	2.16
	2	5.91	0.05	5.25	0.64	0.81
	3	3.53	0.76	9.14	3.89	0.40
	4	2.36	0.97	3.83	0.56	6.95
	5	1.30	0.69	0.84	0.13	1.28
	6	0.88	0.09	0.36	0.13	0.83
11	1	0.22	0.06	0.33	0.13	0.62
	2	0.22	0.05	7.32	0.12	0.70
	3	0.29	0.04	1.22	0.11	0.51
	4	0.21	0.04	0.45	0.10	0.43
	5	0.19	0.05	0.36	0.09	0.32
	6	0.20	0.05	0.32	0.08	0.22
12	1	0.16	0.05	0.18	0.07	0.17
	2	0.12	0.04	0.12	0.06	0.10
	3	0.11	0.07	0.11	0.06	0.10
	4	0.08	0.20	0.10	0.09	0.10
	5	0.07	0.21	0.09	0.31	0.09
	6	0.06	0.09	0.08	0.11	0.08
1	1	0.05	0.06	0.08	0.07	0.08
	2	0.05	0.05	0.08	0.06	0.08
	3	0.05	0.04	0.07	0.06	0.07
	4	0.04	0.04	0.06	0.06	0.06
	5	0.05	0.04	0.06	0.05	0.07
	6	0.04	0.04	0.06	0.05	0.06
2	1	0.04	0.04	0.05	0.05	0.05
	2	0.04	1.40	0.05	0.05	0.05
	3	0.04	1.01	0.05	0.05	0.04
	4	0.04	0.76	0.05	0.06	0.04
	5	0.04	0.65	0.05	0.06	0.04
	6	0.05	1.20	0.05	0.06	0.04
3	1	0.05	1.83	0.05	0.06	0.04
	2	0.05	0.41	0.05	0.05	0.04
	3	0.05	0.94	0.07	0.06	0.04
	4	0.09	1.97	0.15	0.08	0.04
	5	0.30	0.99	0.39	7.11	0.08
	6	0.25	0.32	0.32	1.36	0.52

南摩ダム地点流量データ (2/4)

単位: m³/s

年度 月・半旬	1988 (S63)	1989 (H01)	1990 (H02)	1991 (H03)	1992 (H04)	
4	1	0.37	0.17	0.27	0.26	1.88
	2	0.31	0.77	0.28	0.46	1.75
	3	0.42	1.22	0.25	0.26	1.82
	4	0.37	1.82	0.51	0.23	1.70
	5	0.47	1.72	11.27	0.22	1.52
	6	0.33	1.28	1.11	0.21	1.40
5	1	0.43	0.47	0.69	0.21	1.69
	2	0.44	0.29	0.70	0.19	1.29
	3	0.73	4.28	0.55	0.21	1.04
	4	0.37	0.61	0.39	0.21	1.68
	5	0.82	0.35	0.29	0.28	1.44
	6	0.73	1.60	0.22	0.75	9.24
6	1	1.31	0.61	0.17	0.36	7.64
	2	0.81	0.28	0.27	0.20	6.21
	3	0.26	0.22	0.22	0.22	1.23
	4	0.16	4.74	0.12	0.28	0.40
	5	0.30	2.88	0.11	0.31	3.58
	6	11.64	15.79	0.14	0.27	0.69
7	1	12.80	4.60	0.39	0.31	2.40
	2	0.56	1.87	0.46	0.46	0.44
	3	0.37	1.56	0.14	0.26	0.31
	4	7.40	10.52	0.14	0.27	0.40
	5	0.74	1.26	0.12	0.38	0.39
	6	1.79	14.84	0.38	0.26	0.31
8	1	0.54	15.34	0.75	0.24	0.32
	2	0.33	10.12	22.63	5.10	0.25
	3	23.24	0.70	17.26	0.71	0.20
	4	18.83	0.23	0.35	5.85	0.14
	5	5.98	0.21	0.25	23.64	0.12
	6	22.43	21.35	0.24	9.09	0.16
9	1	9.77	2.83	0.23	7.90	0.14
	2	11.59	17.29	0.25	1.07	0.16
	3	12.99	2.53	1.10	2.77	0.10
	4	1.54	0.91	21.89	25.65	0.07
	5	6.49	3.48	6.20	13.67	0.05
	6	22.48	0.41	14.55	0.96	0.06
10	1	7.35	0.78	22.30	18.10	0.32
	2	6.75	2.54	11.97	16.75	4.83
	3	1.65	3.96	6.42	24.67	2.26
	4	0.55	4.63	6.85	6.95	4.30
	5	0.29	4.08	1.44	1.89	13.26
	6	0.16	0.79	1.49	2.97	2.17
11	1	0.15	0.21	10.44	1.06	0.69
	2	0.13	0.21	7.26	0.43	0.22
	3	0.11	0.20	3.36	0.25	0.13
	4	0.10	0.20	0.83	0.24	0.12
	5	0.09	0.17	0.21	0.23	0.66
	6	0.08	0.13	5.17	0.23	0.24
12	1	0.07	0.10	21.08	0.24	0.13
	2	0.07	0.08	2.35	0.21	0.33
	3	0.06	0.06	0.95	0.18	0.26
	4	0.05	0.06	0.39	0.16	0.13
	5	0.05	0.05	0.18	0.11	0.11
	6	0.04	0.06	0.17	0.13	0.09
1	1	0.03	0.03	0.24	0.09	0.08
	2	0.03	0.02	0.22	0.08	0.07
	3	0.03	0.01	0.20	0.09	0.07
	4	0.03	0.01	0.18	0.07	0.10
	5	0.04	0.01	0.21	0.04	0.11
	6	0.07	0.01	0.21	0.04	0.41
2	1	0.06	0.01	0.13	0.04	0.21
	2	0.03	0.01	0.08	0.06	0.11
	3	0.03	0.02	0.08	0.07	0.08
	4	0.06	0.08	1.25	0.07	0.11
	5	0.15	4.39	0.26	0.05	0.42
	6	0.56	2.61	0.24	0.05	0.43
3	1	0.21	2.71	0.19	0.04	0.24
	2	0.21	1.14	0.22	0.06	0.13
	3	0.21	0.29	0.21	0.07	0.12
	4	0.17	0.24	0.21	0.38	0.10
	5	0.10	0.14	0.74	1.64	0.09
	6	0.13	0.08	2.38	2.62	0.08

南摩ダム地点流量データ (3/4)

単位: m³/s

年度 月・半旬		1993 (H05)	1994 (H06)	1995 (H07)	1996 (H08)	1997 (H09)
4	1	0.07	0.12	0.86	0.03	0.20
	2	0.07	0.09	0.41	0.03	1.24
	3	0.06	0.07	0.24	0.03	0.51
	4	0.05	0.06	0.20	0.04	0.17
	5	0.05	0.05	0.19	0.07	0.11
	6	0.05	0.05	0.14	0.07	0.08
5	1	0.08	0.05	0.21	0.06	0.06
	2	0.12	0.12	0.49	0.72	0.05
	3	0.42	0.10	10.75	0.79	0.04
	4	0.31	0.19	4.77	0.17	0.06
	5	0.12	0.16	0.53	0.07	7.86
	6	0.08	21.56	0.61	0.04	5.04
6	1	0.14	2.19	1.22	0.03	0.48
	2	0.64	1.70	3.18	0.03	0.21
	3	0.65	1.68	20.19	0.03	4.92
	4	0.35	1.08	20.12	0.03	15.26
	5	1.37	0.48	5.06	0.60	13.29
	6	0.78	0.34	4.56	1.20	0.56
7	1	11.19	0.28	0.89	0.27	0.29
	2	3.64	0.21	0.96	0.33	0.19
	3	0.52	0.19	1.05	0.42	0.35
	4	2.69	0.52	0.90	0.16	0.40
	5	6.46	0.53	0.67	0.13	0.28
	6	7.21	0.27	0.41	0.17	9.68
8	1	0.59	1.35	0.30	0.44	20.43
	2	1.32	1.32	0.32	0.14	3.85
	3	17.79	0.50	0.38	0.11	0.74
	4	1.90	0.37	0.34	0.08	0.59
	5	0.39	4.14	1.13	0.05	0.32
	6	10.17	0.62	1.52	0.05	1.59
9	1	9.69	0.41	0.39	0.05	0.90
	2	12.74	0.27	0.23	0.10	0.47
	3	6.57	3.06	0.21	0.41	0.67
	4	1.69	21.99	3.24	0.27	6.51
	5	1.44	3.69	0.55	9.87	0.75
	6	0.49	21.99	0.37	0.56	2.20
10	1	3.16	21.49	1.12	1.17	1.62
	2	4.69	7.21	0.91	1.94	0.25
	3	3.18	1.75	0.51	1.05	0.16
	4	1.82	0.45	0.26	0.45	0.12
	5	1.07	0.66	0.20	0.25	0.10
	6	1.02	0.17	0.17	0.14	0.08
11	1	0.67	0.13	0.13	0.13	0.06
	2	0.19	0.12	0.10	0.23	0.05
	3	20.97	0.10	0.09	0.36	0.04
	4	6.94	0.08	0.07	0.17	0.08
	5	3.84	0.09	0.09	0.12	0.11
	6	0.86	0.09	0.07	0.10	7.23
12	1	0.27	0.07	0.05	0.09	1.94
	2	0.18	0.06	0.04	0.08	0.20
	3	0.16	0.05	0.04	0.07	0.12
	4	0.12	0.05	0.03	0.06	0.10
	5	0.11	0.04	0.03	0.06	0.08
	6	0.10	0.05	0.03	0.05	0.06
1	1	0.09	0.04	0.03	0.04	0.06
	2	0.08	0.04	0.03	0.06	0.05
	3	0.07	0.03	0.03	0.06	0.06
	4	0.07	0.03	0.03	0.05	1.33
	5	0.07	0.03	0.03	0.04	0.37
	6	0.06	0.03	0.03	0.03	0.17
2	1	0.06	0.03	0.03	0.03	0.13
	2	0.05	0.03	0.03	0.03	0.12
	3	0.05	0.03	0.03	0.03	0.11
	4	0.05	0.03	0.03	0.03	0.13
	5	0.23	0.03	0.03	0.03	1.24
	6	0.21	0.03	0.03	0.03	0.25
3	1	0.11	0.03	0.03	0.03	1.24
	2	0.08	0.03	0.03	0.03	0.23
	3	0.46	0.07	0.03	0.03	1.01
	4	0.24	1.35	0.03	0.03	0.14
	5	0.16	0.33	0.03	0.03	0.13
	6	0.25	5.40	0.03	0.11	0.12

南摩ダム地点流量データ (4/4)

単位: m³/s

年度		1998	1999	2000	2001	2002
月・半旬		(H10)	(H11)	(H12)	(H13)	(H14)
4	1	0.14	0.18	0.11	0.01	0.32
	2	0.24	0.17	0.08	0.00	0.18
	3	0.78	2.34	0.53	0.00	0.16
	4	1.42	0.19	0.13	0.00	0.13
	5	0.41	2.94	17.95	0.00	0.13
	6	1.08	3.90	2.90	0.00	0.12
5	1	0.44	2.95	0.46	0.00	0.08
	2	0.33	1.32	0.17	0.00	0.07
	3	0.45	0.22	0.13	0.00	0.32
	4	0.49	0.19	5.08	0.00	0.36
	5	0.55	0.18	1.47	0.00	0.33
	6	0.94	0.17	0.18	0.00	0.29
6	1	0.40	0.12	0.12	0.14	0.26
	2	0.33	0.09	0.12	0.65	0.15
	3	0.51	0.10	0.70	2.27	0.06
	4	0.48	0.11	0.58	3.99	0.06
	5	0.47	0.18	0.27	0.22	0.44
	6	0.36	13.74	0.29	0.27	0.56
7	1	0.25	7.73	1.68	0.24	0.50
	2	0.51	0.98	20.82	0.08	21.45
	3	0.77	25.77	0.82	0.05	25.76
	4	0.39	16.60	4.85	0.91	4.53
	5	0.61	2.85	0.62	0.73	0.92
	6	19.84	0.82	0.65	0.29	0.33
8	1	2.38	0.62	1.61	0.17	2.42
	2	0.46	0.72	3.44	0.11	3.99
	3	0.27	22.67	1.16	0.25	0.37
	4	1.20	18.68	3.46	0.13	17.84
	5	0.66	20.03	0.56	25.24	4.46
	6	27.00	5.05	0.22	16.97	0.37
9	1	11.32	0.15	0.12	6.71	0.92
	2	1.17	0.14	0.13	21.56	13.83
	3	0.69	0.14	22.81	25.59	6.09
	4	25.68	0.15	18.55	3.01	3.77
	5	19.71	12.19	12.42	0.49	0.52
	6	8.62	0.42	3.14	0.32	0.59
10	1	10.08	1.35	3.79	2.22	22.56
	2	3.44	0.30	1.76	18.07	8.39
	3	1.46	0.14	0.67	23.55	2.61
	4	21.89	0.14	0.34	3.32	1.09
	5	9.89	0.14	1.99	1.46	6.16
	6	2.78	5.36	0.92	0.68	1.42
11	1	0.81	0.78	1.21	0.28	0.33
	2	0.16	0.14	0.56	3.31	0.16
	3	0.15	0.14	0.22	0.31	0.13
	4	0.14	0.14	0.19	0.17	0.12
	5	0.14	0.14	0.21	0.15	0.11
	6	0.14	0.13	0.12	0.13	0.14
12	1	0.13	0.11	0.11	0.12	0.12
	2	0.14	0.09	0.10	0.09	0.12
	3	0.14	0.07	0.09	0.05	0.14
	4	0.13	0.05	0.07	0.03	0.13
	5	0.09	0.05	0.06	0.00	0.12
	6	0.06	0.04	0.05	0.00	0.12
1	1	0.04	0.03	0.00	0.04	0.08
	2	0.03	0.03	0.00	0.04	0.08
	3	0.03	0.04	0.00	0.02	0.08
	4	0.05	0.06	0.00	0.02	0.07
	5	0.03	0.05	0.00	2.07	0.07
	6	0.03	0.03	0.00	2.20	0.08
2	1	0.03	0.02	0.01	0.28	0.08
	2	0.03	0.02	0.00	0.22	0.08
	3	0.03	0.02	0.00	0.16	0.08
	4	0.03	0.02	0.00	0.12	0.07
	5	0.03	0.02	0.00	0.09	0.07
	6	0.03	0.02	0.00	0.08	0.07
3	1	0.03	0.02	0.05	0.07	0.14
	2	0.03	0.02	0.15	0.05	1.08
	3	0.03	0.02	0.08	0.04	0.31
	4	0.21	0.02	0.03	0.02	0.21
	5	0.55	0.02	0.00	0.02	0.15
	6	0.13	1.00	0.00	2.36	0.12

草木ダム地点流量データ (1/4)

単位: m³/s

年度 月・半旬		1983 (S58)	1984 (S59)	1985 (S60)	1986 (S61)	1987 (S62)
4	1	28.84	7.41	30.16	6.72	6.40
	2	12.33	11.41	26.37	6.66	6.41
	3	24.15	9.14	24.95	8.67	6.01
	4	23.33	17.56	15.95	12.46	4.77
	5	18.23	15.27	26.33	37.18	4.45
	6	11.22	11.14	15.20	15.80	4.30
5	1	7.96	29.05	9.71	9.30	3.93
	2	8.64	12.26	8.24	10.13	3.37
	3	6.95	9.07	6.70	18.80	6.28
	4	11.57	8.56	6.02	20.95	6.10
	5	6.80	6.61	7.05	11.11	10.74
	6	5.73	5.96	8.01	10.70	6.83
6	1	5.08	5.41	6.06	10.70	4.82
	2	5.08	5.40	5.49	8.58	5.88
	3	9.80	6.21	10.31	6.79	3.63
	4	10.30	6.32	12.24	18.27	6.44
	5	15.41	12.28	29.41	14.01	13.58
	6	8.36	20.58	73.47	16.51	4.49
7	1	24.66	12.46	63.32	36.29	14.41
	2	30.37	12.71	18.64	19.35	11.72
	3	16.78	15.73	25.98	14.63	11.15
	4	17.04	22.56	16.82	13.74	11.36
	5	19.33	16.47	15.20	12.90	8.32
	6	27.37	13.98	8.68	8.82	6.02
8	1	19.59	22.12	6.97	36.48	5.22
	2	12.16	22.50	6.41	20.29	4.27
	3	28.02	16.17	18.69	11.06	11.77
	4	184.08	9.10	8.18	11.97	15.13
	5	34.87	6.02	5.56	17.88	14.15
	6	18.14	4.97	4.47	9.44	11.67
9	1	13.34	5.00	3.74	89.31	11.68
	2	25.18	4.71	9.08	20.87	29.71
	3	14.68	5.50	5.32	16.55	28.70
	4	12.90	6.04	7.11	13.11	11.50
	5	17.98	4.70	19.09	9.81	15.35
	6	49.30	3.86	26.69	7.73	20.64
10	1	20.41	3.59	16.10	9.64	10.01
	2	19.01	3.18	14.27	8.40	7.56
	3	13.90	7.10	18.22	11.18	6.02
	4	11.67	6.55	12.43	7.38	12.53
	5	9.75	6.48	7.94	5.85	8.50
	6	7.89	4.05	6.27	5.09	7.52
11	1	6.66	3.38	5.46	5.02	6.79
	2	7.21	3.07	24.60	4.83	6.85
	3	7.23	3.02	10.46	4.54	6.18
	4	6.02	3.25	7.44	4.17	5.74
	5	6.37	3.01	6.21	3.84	4.69
	6	5.35	2.59	5.34	3.61	4.37
12	1	4.95	2.50	4.95	3.35	4.00
	2	4.55	2.40	4.78	3.29	3.98
	3	4.37	4.28	4.18	3.60	4.22
	4	4.02	3.78	3.76	5.61	3.55
	5	3.67	2.99	3.44	4.30	3.27
	6	3.40	2.56	3.43	3.58	3.10
1	1	3.38	2.37	3.53	3.45	3.01
	2	3.12	2.12	3.12	3.20	2.86
	3	2.97	2.14	2.89	3.09	2.70
	4	2.86	1.96	2.85	2.80	2.60
	5	2.88	1.88	2.82	2.93	3.45
	6	2.87	1.76	2.47	2.64	2.60
2	1	2.79	1.73	2.42	2.67	2.41
	2	2.69	6.01	2.31	2.87	2.41
	3	2.59	4.28	2.32	3.71	2.28
	4	2.58	3.37	2.38	3.01	2.22
	5	2.65	3.30	2.34	2.81	2.00
	6	2.61	3.26	2.21	2.61	2.16
3	1	2.47	5.19	2.23	2.52	2.16
	2	2.45	4.92	2.50	2.80	2.00
	3	2.52	4.98	2.84	4.38	2.44
	4	2.73	11.58	4.29	6.30	2.75
	5	2.55	9.18	3.99	31.60	6.29
	6	3.44	13.57	4.36	11.48	4.94

草木ダム地点流量データ (2/4)

単位: m³/s

年度 月・半旬	1988 (S63)	1989 (H01)	1990 (H02)	1991 (H03)	1992 (H04)	
4	1	4.77	4.83	13.25	13.85	20.99
	2	5.83	22.65	11.62	25.78	14.81
	3	9.75	15.60	12.24	16.27	17.13
	4	16.82	20.18	13.89	10.98	12.78
	5	12.65	16.44	37.56	8.44	9.58
	6	12.86	13.27	15.34	8.80	10.85
5	1	11.23	8.92	10.75	7.13	12.73
	2	11.87	9.79	11.43	6.17	8.12
	3	16.11	26.15	9.39	5.22	6.62
	4	12.01	12.77	7.41	4.96	10.53
	5	17.52	9.27	6.02	4.46	13.35
	6	11.20	17.81	5.06	4.32	36.11
6	1	20.15	8.57	4.72	5.91	28.73
	2	12.52	7.09	6.22	6.51	29.71
	3	9.23	6.57	7.40	6.01	15.82
	4	12.51	24.48	6.04	7.15	12.47
	5	12.26	21.19	4.49	12.57	25.76
	6	35.09	41.82	4.08	7.48	17.01
7	1	25.73	23.18	21.61	12.68	19.30
	2	12.52	16.00	11.58	9.13	11.21
	3	11.99	16.65	8.88	10.37	10.51
	4	19.19	26.83	8.42	13.89	15.51
	5	11.67	15.55	6.36	8.91	12.56
	6	15.14	48.33	5.22	8.88	8.29
8	1	10.02	38.04	2.53	11.77	11.59
	2	12.64	42.32	90.26	31.21	12.37
	3	79.41	16.67	33.90	13.53	18.48
	4	41.60	22.45	12.80	84.37	11.44
	5	49.69	12.56	8.27	64.73	7.90
	6	39.45	81.45	6.28	52.56	9.18
9	1	26.30	43.81	2.91	30.55	4.56
	2	56.06	42.74	7.20	16.01	4.82
	3	43.53	20.02	13.23	31.74	3.72
	4	25.05	19.62	62.55	85.45	4.89
	5	43.58	21.34	25.77	30.88	4.02
	6	43.96	12.73	36.46	17.25	6.05
10	1	19.15	9.90	30.38	31.04	5.80
	2	17.37	13.63	30.73	34.91	14.65
	3	9.74	15.08	20.66	61.28	10.43
	4	7.87	18.45	15.64	21.55	17.73
	5	6.43	14.19	10.79	14.60	18.72
	6	5.63	9.17	13.57	16.49	9.11
11	1	4.84	7.84	24.55	10.66	7.04
	2	4.30	6.52	20.27	9.45	6.42
	3	3.83	7.19	14.26	7.56	5.69
	4	3.93	7.06	10.28	6.21	5.84
	5	3.49	5.75	7.77	4.87	7.58
	6	3.28	4.88	41.32	6.84	5.36
12	1	2.59	4.52	32.45	5.95	5.17
	2	2.94	4.13	12.23	5.24	7.78
	3	2.68	4.20	10.58	4.50	6.09
	4	2.61	3.88	7.76	4.19	4.84
	5	2.42	3.65	6.67	4.10	4.46
	6	2.33	3.39	6.21	4.06	4.00
1	1	2.22	3.14	5.67	3.66	3.63
	2	2.25	2.93	5.09	3.91	3.90
	3	2.44	2.98	4.58	3.59	3.79
	4	2.30	3.00	4.23	3.39	3.57
	5	2.80	2.74	4.53	3.31	3.61
	6	2.16	2.70	4.03	3.28	3.76
2	1	2.09	2.57	3.59	3.42	3.15
	2	2.25	2.50	3.45	3.08	4.43
	3	2.21	3.64	6.09	2.98	3.48
	4	4.24	10.03	7.77	2.99	5.59
	5	3.32	17.97	4.69	2.97	6.62
	6	4.87	13.75	4.46	3.06	5.28
3	1	7.38	11.63	4.41	4.80	5.05
	2	6.24	8.08	6.00	4.67	5.98
	3	5.24	6.34	6.97	4.12	5.19
	4	4.46	5.51	5.66	5.59	3.91
	5	4.29	5.04	16.44	7.72	4.42
	6	4.98	7.59	21.40	15.90	5.25

草木ダム地点流量データ (3/4)

単位: m³/s

年度		1993 (H05)	1994 (H06)	1995 (H07)	1996 (H08)	1997 (H09)
月・半旬						
4	1	6.57	7.51	16.30	6.43	8.01
	2	5.24	8.62	17.43	4.37	25.43
	3	4.18	7.75	11.61	3.79	9.12
	4	4.30	6.35	14.20	9.89	5.84
	5	6.33	6.20	12.38	6.28	5.14
	6	5.00	5.32	10.25	7.44	4.75
5	1	9.45	8.53	11.73	13.06	4.32
	2	7.27	6.35	9.14	18.68	4.64
	3	11.64	8.48	31.74	11.27	4.58
	4	8.65	17.46	28.47	7.06	6.01
	5	6.90	8.06	11.72	5.52	39.36
	6	4.72	48.39	10.36	5.40	25.18
6	1	11.50	14.10	14.04	3.99	10.69
	2	8.89	9.48	20.61	3.87	10.52
	3	9.35	9.49	34.03	3.70	21.17
	4	11.85	10.75	34.02	4.66	52.95
	5	16.39	10.23	22.17	12.16	30.59
	6	11.70	9.17	28.00	11.00	20.25
7	1	33.44	6.66	19.18	6.69	11.66
	2	19.47	5.22	23.25	9.22	8.92
	3	16.53	3.46	24.36	8.16	7.58
	4	23.14	7.55	17.92	7.43	14.11
	5	30.99	4.83	12.84	9.35	7.64
	6	30.67	8.10	9.04	7.62	35.64
8	1	12.64	8.74	7.15	5.51	34.92
	2	17.19	7.11	5.88	3.68	25.37
	3	31.68	4.28	5.54	3.84	14.54
	4	17.52	8.00	5.26	3.40	10.42
	5	11.87	24.63	12.50	4.01	7.84
	6	32.63	10.91	9.42	7.06	7.98
9	1	28.40	7.22	7.52	3.92	6.41
	2	37.24	13.16	5.17	14.34	7.38
	3	29.62	25.74	5.23	10.64	11.37
	4	17.29	81.68	21.61	6.88	25.65
	5	16.99	26.02	9.11	22.91	16.70
	6	12.59	81.04	8.81	8.21	23.23
10	1	11.66	57.86	8.50	8.32	10.18
	2	14.27	22.49	7.77	11.78	6.97
	3	10.52	14.08	6.09	8.64	5.81
	4	7.83	9.64	5.00	6.03	4.87
	5	6.79	11.80	4.78	4.86	4.31
	6	7.80	7.90	4.16	4.02	3.96
11	1	6.73	6.51	3.60	5.31	3.55
	2	5.46	5.94	4.01	5.98	3.31
	3	37.87	5.34	3.40	5.28	3.75
	4	15.13	5.14	3.76	4.57	5.21
	5	14.53	5.45	3.62	4.53	5.89
	6	9.03	4.37	2.96	5.46	31.84
12	1	7.37	4.17	2.81	4.38	14.15
	2	6.41	4.04	2.70	3.91	8.45
	3	5.82	4.67	2.56	3.38	6.25
	4	4.85	3.97	2.51	4.02	5.16
	5	4.74	3.71	2.22	3.56	4.52
	6	4.24	4.24	2.35	3.16	3.97
1	1	3.94	3.56	2.22	3.08	3.59
	2	3.50	3.40	2.26	2.86	3.41
	3	3.61	3.15	2.11	2.70	3.56
	4	3.48	3.01	3.10	2.56	10.77
	5	3.20	3.27	2.13	2.54	5.48
	6	2.99	2.79	1.92	2.41	3.89
2	1	3.00	2.66	1.81	2.35	3.64
	2	2.97	2.55	1.91	2.36	3.91
	3	2.94	2.78	2.11	2.31	5.39
	4	3.08	2.65	2.29	2.38	6.84
	5	7.41	2.62	1.95	2.27	11.08
	6	4.03	2.46	1.74	2.71	7.78
3	1	3.60	2.65	2.08	3.03	8.75
	2	7.53	2.63	2.12	2.98	6.81
	3	6.10	3.12	1.92	3.24	9.22
	4	4.50	11.26	5.22	3.34	7.07
	5	8.93	7.87	7.71	4.19	6.77
	6	6.44	19.19	7.28	8.16	8.72

草木ダム地点流量データ (4/4)

単位: m³/s

年度 月・半旬	1998 (H10)	1999 (H11)	2000 (H12)	2001 (H13)	2002 (H14)	
4	1	9.31	8.53	6.65	5.59	11.77
	2	18.49	10.38	13.47	6.22	8.65
	3	27.14	28.94	16.33	6.31	7.90
	4	20.13	11.76	9.13	4.66	6.86
	5	12.60	27.74	43.79	4.28	8.65
	6	10.71	25.91	20.58	3.87	6.08
5	1	9.36	26.77	18.07	4.36	5.16
	2	8.34	19.23	12.41	4.85	6.71
	3	10.71	10.52	17.65	4.44	9.36
	4	9.62	9.09	24.64	3.86	15.79
	5	9.46	7.21	21.05	6.48	10.43
	6	12.87	6.99	11.19	8.24	7.06
6	1	9.17	5.33	8.79	7.66	6.11
	2	9.32	5.67	7.98	14.57	5.25
	3	13.12	5.47	14.43	16.14	5.27
	4	11.01	7.14	10.66	17.05	6.18
	5	11.78	6.28	13.63	9.32	7.55
	6	8.26	44.39	12.23	14.16	9.90
7	1	6.64	26.44	19.18	10.03	7.53
	2	5.36	18.12	32.84	6.41	131.67
	3	4.48	114.72	13.68	5.46	66.85
	4	4.02	35.52	17.84	16.94	24.73
	5	11.89	20.40	11.82	11.66	14.20
	6	23.24	11.86	11.12	7.00	9.95
8	1	13.30	11.41	11.21	4.95	10.05
	2	8.50	12.39	18.35	4.02	7.39
	3	8.22	95.95	13.60	7.64	7.11
	4	16.23	46.67	18.09	4.55	13.16
	5	9.70	34.62	10.46	149.49	9.17
	6	121.73	20.76	11.01	40.28	6.40
9	1	45.04	11.73	7.54	25.38	5.52
	2	23.24	9.00	14.05	188.10	16.80
	3	55.49	14.91	71.33	134.16	19.59
	4	90.27	15.22	34.91	24.23	16.29
	5	85.09	32.44	38.62	14.16	9.31
	6	35.92	13.12	19.71	9.52	10.01
10	1	26.31	8.71	14.72	10.81	58.43
	2	16.52	6.37	10.13	29.92	16.82
	3	13.85	5.43	7.65	26.54	10.44
	4	51.65	4.92	8.74	11.27	8.57
	5	25.10	4.66	14.61	10.18	13.37
	6	14.23	15.49	10.46	9.33	8.52
11	1	9.90	7.06	11.07	9.90	6.44
	2	7.84	5.47	8.35	13.69	5.47
	3	6.44	6.55	6.52	8.24	5.25
	4	5.64	6.49	8.21	6.33	4.48
	5	5.10	5.16	9.14	5.28	6.29
	6	4.55	4.46	6.06	4.83	7.53
12	1	5.28	3.95	5.16	4.37	5.91
	2	5.41	3.89	4.49	4.01	5.88
	3	4.09	3.21	4.12	3.61	4.80
	4	3.20	3.30	3.86	3.45	5.36
	5	3.56	3.05	3.54	3.18	5.12
	6	3.15	2.98	3.20	2.82	3.99
1	1	2.78	2.64	2.87	2.70	4.15
	2	2.75	3.08	3.23	2.64	3.62
	3	2.68	4.24	3.17	2.62	3.61
	4	2.63	3.88	2.54	4.06	3.38
	5	2.67	2.82	2.65	15.83	1.38
	6	2.46	2.50	2.77	7.46	3.01
2	1	2.27	2.23	2.51	5.18	3.31
	2	2.16	2.57	2.49	4.72	3.47
	3	2.15	2.32	2.21	3.97	3.87
	4	2.08	2.18	2.26	3.64	3.41
	5	2.09	1.89	3.26	3.88	3.17
	6	2.33	1.44	3.07	4.29	3.07
3	1	2.20	1.95	4.24	5.04	6.94
	2	2.69	2.39	3.46	5.16	6.83
	3	6.96	1.78	3.14	4.52	4.96
	4	9.86	2.15	4.14	4.78	4.74
	5	8.36	2.83	7.14	4.72	5.04
	6	11.54	14.30	9.78	20.06	7.85

渡良瀬遊水池地点流量データ (1/4)

単位: m³/s

年度 月・半旬	1983 (S58)	1984 (S59)	1985 (S60)	1986 (S61)	1987 (S62)	
4	1	405.95	166.14	357.73	175.49	161.60
	2	317.36	249.98	443.31	176.65	256.60
	3	491.08	190.57	541.69	210.98	213.18
	4	533.93	309.46	405.49	246.99	173.09
	5	414.63	365.85	563.56	612.49	215.04
	6	300.86	360.89	394.59	434.51	132.84
5	1	235.86	500.95	282.19	260.98	144.82
	2	222.29	372.76	277.05	293.19	80.23
	3	155.53	322.00	198.19	284.71	166.84
	4	302.50	301.93	127.76	428.49	126.30
	5	114.19	220.27	174.33	260.51	167.31
	6	69.00	231.66	137.44	209.79	86.00
6	1	45.06	205.64	69.28	233.14	57.64
	2	58.66	162.44	76.81	155.61	47.41
	3	125.51	135.29	226.24	60.43	16.65
	4	47.82	100.74	195.50	233.57	23.23
	5	321.40	256.73	565.07	162.67	77.64
	6	100.58	479.82	1210.13	351.29	18.34
7	1	343.61	252.56	2353.25	541.93	175.98
	2	584.47	302.49	533.53	332.11	192.10
	3	304.61	288.62	640.06	306.36	175.30
	4	335.49	376.27	345.90	302.08	325.18
	5	448.48	455.78	432.17	311.26	185.08
	6	692.28	457.18	147.28	167.97	176.64
8	1	423.83	276.05	126.44	604.93	107.27
	2	183.57	201.19	84.85	851.63	64.17
	3	157.01	197.59	338.84	204.82	230.95
	4	2717.27	56.28	59.22	312.02	427.18
	5	852.53	58.35	45.98	315.17	388.40
	6	333.25	65.27	85.87	151.65	197.55
9	1	205.01	55.31	55.01	1303.70	216.10
	2	374.93	96.32	140.67	461.27	629.56
	3	286.94	120.35	84.16	345.55	1052.18
	4	332.84	164.41	132.31	334.05	382.06
	5	425.65	153.57	352.61	241.52	308.91
	6	1509.01	138.77	468.79	197.21	518.99
10	1	762.35	148.82	416.92	270.63	280.98
	2	479.57	130.61	384.20	243.69	215.76
	3	383.02	170.27	385.26	257.78	177.72
	4	331.86	160.80	278.77	215.36	271.55
	5	281.21	179.82	212.90	200.60	204.21
	6	257.20	133.29	175.68	172.83	203.12
11	1	215.61	125.51	162.06	159.33	194.69
	2	202.35	126.19	297.76	154.66	214.77
	3	185.89	121.41	213.03	162.76	162.35
	4	171.66	128.06	155.92	140.94	146.75
	5	173.91	132.00	163.64	136.95	139.23
	6	164.62	109.68	159.19	131.72	126.70
12	1	152.94	107.61	142.80	116.65	115.57
	2	148.11	102.14	137.89	114.30	119.01
	3	133.10	159.66	121.56	117.26	129.28
	4	113.89	137.93	117.80	159.11	125.10
	5	118.22	113.39	108.60	135.93	114.38
	6	108.02	102.90	109.94	122.01	115.47
1	1	110.54	92.72	100.84	108.08	96.01
	2	115.74	97.86	98.22	108.92	106.21
	3	115.32	94.31	94.58	100.84	96.13
	4	112.98	93.21	91.47	99.98	92.14
	5	114.33	90.39	92.39	106.38	110.03
	6	109.92	87.12	86.62	98.51	93.51
2	1	108.32	86.74	83.20	100.22	94.22
	2	103.18	155.31	79.41	99.90	97.73
	3	96.74	164.70	80.24	123.75	93.18
	4	99.68	122.11	84.44	102.26	98.28
	5	105.35	154.97	82.13	102.87	80.67
	6	112.57	121.85	78.80	99.27	73.44
3	1	100.02	171.86	76.72	95.70	80.11
	2	100.71	149.43	82.03	95.37	69.87
	3	97.10	186.65	113.89	109.40	88.12
	4	111.94	257.14	123.31	126.89	92.34
	5	115.30	261.47	168.73	356.79	148.06
	6	116.52	288.91	163.80	268.60	144.05

渡良瀬遊水池地点流量データ (2/4)

単位: m³/s

年度 月・半旬	1988 (S63)	1989 (H01)	1990 (H02)	1991 (H03)	1992 (H04)	
4	1	130.70	173.04	318.88	383.73	433.51
	2	177.95	358.72	249.01	611.81	440.35
	3	200.41	354.19	294.90	545.74	440.25
	4	274.19	398.53	322.38	423.55	304.41
	5	316.72	434.01	638.36	310.65	276.35
	6	199.05	359.43	369.51	304.21	227.61
5	1	295.68	248.81	247.89	251.12	296.53
	2	241.90	284.12	329.83	173.86	197.15
	3	290.47	634.14	274.28	196.00	199.16
	4	279.95	325.45	211.00	189.68	274.52
	5	422.68	308.64	147.88	165.11	239.10
	6	258.65	623.38	89.12	133.03	331.15
6	1	409.51	239.79	88.68	183.47	482.25
	2	248.79	175.81	71.25	111.04	411.34
	3	130.16	131.75	90.85	122.64	228.66
	4	183.59	531.52	35.00	90.95	153.32
	5	193.21	474.68	10.87	326.61	713.23
	6	559.61	898.69	90.83	209.32	337.94
7	1	686.99	528.44	207.84	332.61	424.48
	2	279.04	342.30	194.21	417.01	178.77
	3	200.00	428.56	175.83	301.97	216.14
	4	566.78	875.25	120.01	334.17	478.72
	5	357.35	348.38	84.83	242.36	254.72
	6	489.10	924.82	80.10	148.31	161.54
8	1	283.26	928.73	31.66	241.24	433.38
	2	178.99	675.80	396.81	361.69	153.29
	3	1119.54	300.79	1225.57	335.08	249.03
	4	984.34	597.63	168.49	223.27	135.78
	5	807.28	276.41	59.94	2608.73	124.41
	6	1119.09	1106.08	69.55	609.41	167.32
9	1	961.82	659.86	39.36	1136.10	114.35
	2	1270.15	887.22	117.83	486.67	116.00
	3	1123.67	633.35	337.16	664.01	71.88
	4	589.05	540.63	687.89	1622.81	126.92
	5	624.44	792.75	850.90	1197.41	127.78
	6	1436.36	421.54	766.68	487.90	180.60
10	1	610.46	310.56	1459.54	936.53	199.52
	2	612.13	397.14	794.04	889.97	460.87
	3	409.07	471.97	481.49	2295.00	331.78
	4	307.61	439.02	336.59	714.09	398.44
	5	251.83	376.54	249.37	426.28	629.38
	6	215.55	260.35	327.80	570.52	279.73
11	1	210.59	255.06	408.40	342.99	214.95
	2	188.21	211.71	378.93	286.21	185.52
	3	165.62	199.90	292.08	252.46	172.35
	4	168.51	186.35	217.37	213.60	157.56
	5	151.56	170.22	197.71	193.99	208.74
	6	149.80	156.98	322.10	258.41	154.36
12	1	139.06	148.31	1321.39	230.30	159.74
	2	140.51	145.22	323.86	177.56	199.61
	3	133.80	139.06	300.68	163.48	178.04
	4	120.83	143.32	218.52	146.74	142.36
	5	117.11	129.31	196.56	144.73	136.27
	6	110.48	125.60	177.32	159.42	140.10
1	1	104.10	110.50	153.47	129.68	111.01
	2	112.34	117.44	140.56	144.93	152.76
	3	124.05	111.51	142.82	132.01	132.37
	4	118.86	115.12	135.18	124.55	157.38
	5	170.63	111.28	155.68	118.03	129.12
	6	128.65	105.05	127.63	116.48	176.24
2	1	116.19	110.93	122.37	136.21	137.09
	2	117.26	109.41	117.78	121.13	144.25
	3	124.53	117.87	115.90	112.42	129.17
	4	190.12	139.08	234.10	106.05	167.56
	5	161.32	257.99	137.42	101.35	173.67
	6	235.06	285.58	129.94	107.18	153.76
3	1	206.36	264.19	127.60	157.08	144.40
	2	254.96	206.02	156.40	131.90	155.91
	3	198.93	169.65	199.11	142.08	140.84
	4	175.23	162.54	159.68	181.08	141.09
	5	146.11	159.78	337.75	253.69	128.00
	6	172.76	177.43	460.69	318.71	174.94

渡良瀬遊水池地点流量データ (3/4)

単位: m³/s

年度 月・半旬	1993 (H05)	1994 (H06)	1995 (H07)	1996 (H08)	1997 (H09)	
4	1	214.40	204.42	364.61	179.92	237.45
	2	175.95	257.87	298.30	132.06	646.29
	3	138.96	258.43	270.11	113.39	293.03
	4	188.94	271.08	317.06	245.13	199.77
	5	279.68	281.07	396.50	177.72	167.68
	6	229.36	220.48	362.71	311.66	170.99
5	1	259.86	260.77	459.54	462.53	201.52
	2	283.16	204.89	357.43	442.34	213.84
	3	466.04	248.39	558.68	342.48	179.40
	4	315.60	231.84	815.92	287.76	182.79
	5	242.39	130.94	354.25	266.37	532.15
	6	160.13	490.80	229.69	268.90	577.35
6	1	197.94	158.14	251.37	285.26	175.32
	2	171.08	122.29	423.12	165.12	144.47
	3	153.00	178.94	571.16	161.03	250.32
	4	141.99	139.42	1024.16	146.87	215.40
	5	380.01	123.85	607.56	154.00	746.18
	6	247.47	119.04	607.98	310.24	251.03
7	1	733.51	81.66	452.54	154.32	124.35
	2	712.69	115.33	982.19	274.64	96.92
	3	401.20	62.65	889.68	160.57	232.19
	4	590.67	232.66	513.22	165.07	216.42
	5	538.32	94.46	379.77	211.56	91.04
	6	747.89	101.84	216.97	125.32	394.54
8	1	353.01	127.84	130.45	103.14	417.37
	2	446.56	77.24	163.15	26.06	360.74
	3	449.27	44.42	93.10	27.13	251.50
	4	412.93	53.88	117.40	21.17	155.31
	5	310.78	489.70	238.61	33.47	130.18
	6	961.77	145.88	113.37	126.20	268.02
9	1	572.58	140.57	147.45	55.21	254.10
	2	779.39	220.21	94.87	257.31	272.36
	3	918.42	345.96	116.06	330.21	358.07
	4	487.82	1395.06	939.42	192.78	584.77
	5	456.85	549.31	257.46	884.98	408.55
	6	344.64	1018.26	218.91	287.40	567.22
10	1	351.95	1371.68	267.14	277.30	295.65
	2	478.72	535.68	231.55	326.68	220.15
	3	349.86	351.07	179.70	269.98	177.38
	4	256.69	253.88	155.56	230.78	151.11
	5	234.21	268.93	142.00	173.22	134.61
	6	238.82	213.26	135.00	146.46	130.99
11	1	226.09	181.74	117.42	189.73	120.34
	2	176.66	177.46	131.64	187.74	110.02
	3	568.60	150.25	124.63	171.68	115.88
	4	355.12	142.00	124.55	145.67	162.69
	5	269.47	148.60	125.29	144.88	176.17
	6	220.00	133.98	109.48	144.87	280.35
12	1	184.88	132.47	99.00	123.56	258.90
	2	171.52	137.80	103.62	125.56	204.17
	3	177.55	142.28	100.17	110.22	171.24
	4	153.80	124.03	92.04	130.16	148.84
	5	154.55	119.24	94.57	109.75	124.59
	6	140.67	132.74	96.83	102.38	112.81
1	1	122.55	106.11	85.07	100.38	103.07
	2	122.11	108.39	96.19	136.33	121.90
	3	133.12	105.68	90.51	101.38	128.53
	4	127.16	96.95	104.64	93.98	208.52
	5	116.83	111.91	85.90	99.78	168.12
	6	117.96	97.75	84.46	93.41	135.67
2	1	109.51	94.13	84.09	101.25	122.50
	2	116.51	92.04	85.14	92.63	120.55
	3	116.45	93.45	84.95	102.64	129.83
	4	111.48	94.87	94.01	98.99	160.52
	5	179.24	88.69	81.35	86.81	256.43
	6	123.13	89.92	88.97	110.23	224.10
3	1	119.55	102.73	80.05	107.03	319.71
	2	147.31	102.03	86.99	118.34	208.39
	3	154.57	133.91	82.51	121.49	233.21
	4	132.70	191.28	141.16	144.50	199.22
	5	191.52	168.14	154.55	136.93	199.87
	6	157.50	252.67	162.04	187.32	230.13

渡良瀬遊水池地点流量データ (4/4)

単位: m³/s

年度 月・半旬	1998 (H10)	1999 (H11)	2000 (H12)	2001 (H13)	2002 (H14)	
4	1	272.33	190.80	153.03	175.57	111.06
	2	474.28	175.95	224.21	232.98	174.86
	3	634.32	454.44	301.15	297.90	210.65
	4	807.11	274.76	209.10	238.21	233.49
	5	433.94	419.32	595.99	168.81	355.55
	6	424.07	651.47	361.21	178.70	240.39
5	1	288.03	372.65	388.47	231.59	186.25
	2	224.38	433.97	365.30	229.67	198.70
	3	234.30	241.35	443.67	190.05	251.91
	4	230.95	203.24	600.03	175.64	331.32
	5	181.27	134.70	446.22	275.03	244.45
	6	259.63	157.81	305.12	229.45	235.41
6	1	136.36	99.51	221.99	211.81	245.14
	2	169.52	79.70	180.99	199.35	251.72
	3	244.04	34.28	376.10	299.11	220.64
	4	173.54	138.85	229.84	478.35	261.83
	5	416.62	100.10	348.01	238.97	165.81
	6	207.86	498.74	350.86	223.07	185.98
7	1	119.57	819.67	500.12	218.73	171.65
	2	190.84	342.12	984.09	86.77	322.42
	3	221.74	1483.99	325.41	65.21	2888.74
	4	117.37	1226.54	386.02	277.21	709.21
	5	322.21	699.41	329.93	199.48	343.73
	6	571.28	299.95	307.87	123.28	231.36
8	1	469.80	137.56	228.12	133.49	364.44
	2	323.90	245.18	460.04	81.71	241.49
	3	182.76	1761.03	321.90	368.14	230.93
	4	272.83	1707.17	384.46	121.56	632.47
	5	205.69	743.47	203.56	1780.67	308.29
	6	2138.18	410.18	130.39	1332.38	216.68
9	1	1536.71	253.20	116.01	877.86	240.15
	2	561.66	216.76	318.96	955.55	461.05
	3	352.97	212.66	1694.21	3470.84	411.22
	4	2762.42	501.91	1130.29	692.43	375.02
	5	1247.10	1035.38	711.80	452.89	262.22
	6	1089.49	423.17	528.03	335.01	268.09
10	1	864.67	304.08	391.87	408.09	1281.87
	2	520.24	222.73	267.20	359.79	445.06
	3	394.51	208.86	207.57	1099.69	294.95
	4	867.00	187.60	192.31	403.20	282.69
	5	675.59	159.07	361.86	394.11	418.18
	6	410.57	415.87	266.51	291.89	287.11
11	1	294.85	263.28	334.28	291.27	204.48
	2	254.06	183.22	244.85	321.63	161.00
	3	223.10	181.91	194.61	243.60	142.80
	4	198.01	202.38	234.47	203.53	133.91
	5	177.43	165.66	219.78	178.69	126.33
	6	166.18	148.46	167.43	174.94	164.31
12	1	163.28	145.53	154.42	162.73	162.10
	2	195.58	149.49	150.82	157.14	185.82
	3	144.84	137.15	144.29	149.27	159.51
	4	137.38	123.03	136.16	140.64	157.25
	5	128.85	121.94	134.38	137.37	177.11
	6	120.02	113.82	125.32	107.72	158.22
1	1	109.55	107.33	110.99	148.40	160.35
	2	113.40	127.57	132.70	148.69	148.52
	3	111.12	153.15	124.28	157.82	146.17
	4	107.16	136.44	110.54	159.06	155.30
	5	103.93	124.35	105.18	262.74	153.86
	6	112.54	117.34	136.92	332.04	164.47
2	1	104.54	112.84	106.71	203.17	156.17
	2	100.31	114.05	111.52	199.67	159.70
	3	93.18	109.48	99.20	169.05	151.41
	4	101.62	114.38	102.17	164.55	147.23
	5	96.41	104.69	133.44	166.22	155.37
	6	94.88	87.98	127.96	156.71	184.76
3	1	99.72	88.09	192.22	193.19	216.84
	2	110.53	100.39	132.98	181.77	267.38
	3	135.00	84.13	118.79	154.01	214.80
	4	301.85	98.92	126.61	135.42	178.90
	5	221.49	106.49	202.78	134.55	141.42
	6	227.66	181.41	261.02	111.51	128.20

湯西川ダム地点流量データ (1/4)

単位 : m³/s

年度 月・半旬	1983 (S58)	1984 (S59)	1985 (S60)	1986 (S61)	1987 (S62)	
4	1	18.48	6.34	9.61	5.83	3.21
	2	8.73	8.02	9.44	6.13	3.53
	3	7.24	7.88	10.99	8.58	2.71
	4	5.49	15.86	7.24	8.82	2.26
	5	4.13	12.69	7.46	12.87	2.36
	6	3.44	10.20	5.22	7.63	1.93
5	1	2.67	13.22	3.76	4.61	1.95
	2	2.46	7.05	3.13	4.39	1.73
	3	2.03	4.87	2.57	7.30	2.89
	4	2.55	4.14	2.23	8.18	2.54
	5	2.03	3.14	2.43	4.16	2.35
	6	1.53	2.53	2.00	3.19	1.99
6	1	1.38	2.03	1.59	2.70	1.54
	2	1.40	1.93	1.32	2.29	1.77
	3	1.42	1.74	1.46	1.75	1.52
	4	1.74	1.74	1.58	2.19	1.50
	5	2.02	2.00	4.12	1.76	1.99
	6	1.29	3.10	12.69	2.30	1.59
7	1	4.39	2.03	18.41	5.19	1.58
	2	7.07	3.03	9.41	2.98	1.54
	3	3.74	3.38	6.39	2.85	3.35
	4	3.91	4.13	4.85	3.78	3.66
	5	6.37	3.09	9.11	3.10	2.30
	6	16.56	2.31	3.93	2.26	1.96
8	1	6.76	2.86	2.91	22.94	1.91
	2	5.34	2.03	2.32	9.27	2.06
	3	9.59	1.58	2.55	3.84	2.61
	4	50.44	1.37	1.67	3.54	4.60
	5	9.01	1.23	1.65	3.23	3.27
	6	5.06	1.44	1.61	2.25	2.17
9	1	3.95	1.73	1.32	20.32	3.59
	2	4.74	1.29	1.33	5.71	16.47
	3	3.21	1.12	1.01	4.20	11.46
	4	2.85	1.19	1.59	3.33	4.36
	5	2.75	0.93	2.75	2.54	4.32
	6	14.41	0.83	3.72	2.08	6.23
10	1	5.48	0.83	2.60	4.62	3.37
	2	4.19	0.79	3.00	3.52	2.46
	3	3.06	1.23	3.37	4.36	1.83
	4	2.51	1.20	2.44	2.81	5.12
	5	2.06	1.08	1.80	2.08	2.68
	6	1.85	0.82	1.50	1.73	2.32
11	1	1.62	0.78	1.31	1.58	2.08
	2	1.62	0.69	2.52	1.62	2.11
	3	1.93	0.60	1.46	2.64	1.83
	4	2.24	0.69	1.37	2.40	1.44
	5	2.57	0.73	1.35	1.64	1.28
	6	2.48	0.63	1.68	1.65	1.26
12	1	2.36	0.65	1.64	1.52	1.24
	2	2.00	0.64	1.69	1.58	1.26
	3	2.08	0.93	1.41	2.06	1.68
	4	1.81	0.86	1.23	3.13	1.31
	5	1.56	0.74	1.18	2.67	1.22
	6	1.36	0.67	1.24	1.91	1.42
1	1	1.30	0.66	1.34	1.85	1.26
	2	1.17	0.59	1.17	1.66	1.16
	3	1.11	0.62	1.12	1.49	1.12
	4	1.06	0.61	1.02	1.40	1.14
	5	1.03	0.58	1.05	1.55	2.09
	6	1.01	0.58	0.90	1.46	1.55
2	1	0.97	0.59	0.77	1.37	1.43
	2	0.97	3.23	0.77	1.50	1.37
	3	0.95	2.00	0.82	2.77	1.16
	4	0.93	1.45	0.84	1.83	1.14
	5	0.93	1.52	0.82	1.62	1.00
	6	0.95	1.26	0.85	1.41	0.97
3	1	0.85	1.62	0.83	1.23	1.02
	2	0.84	2.29	1.33	1.50	1.14
	3	0.88	2.36	1.94	2.73	3.24
	4	1.03	4.49	2.93	3.37	2.94
	5	0.97	4.83	2.72	10.75	7.27
	6	1.76	7.94	3.22	5.52	3.69

湯西川ダム地点流量データ (2/4)

単位: m³/s

年度		1988	1989	1990	1991	1992
月・半旬		(S63)	(H01)	(H02)	(H03)	(H04)
4	1	4.16	3.00	5.17	6.30	7.85
	2	5.10	7.32	4.33	10.34	6.56
	3	7.13	6.54	4.21	7.51	5.02
	4	9.81	4.83	4.43	4.86	6.16
	5	7.71	4.53	8.79	3.41	4.37
	6	5.24	4.18	4.89	2.92	3.28
5	1	4.57	3.55	3.51	2.46	8.18
	2	4.00	3.76	3.20	2.17	4.17
	3	6.74	6.09	2.76	1.99	3.06
	4	4.43	3.85	2.50	1.85	2.88
	5	5.10	3.14	2.02	1.61	3.42
	6	3.86	5.22	1.76	1.63	5.23
6	1	4.16	3.04	1.69	1.52	6.44
	2	3.25	2.08	1.52	1.37	5.45
	3	2.59	1.82	1.77	1.28	4.30
	4	2.17	4.77	1.43	1.50	2.78
	5	1.93	5.84	1.42	1.75	6.71
	6	3.39	6.11	2.07	1.37	4.94
7	1	4.32	4.99	2.95	2.58	6.45
	2	3.78	3.70	2.09	1.70	4.15
	3	3.68	3.50	1.81	1.89	3.90
	4	4.01	4.39	1.69	3.00	11.71
	5	2.86	3.64	1.65	2.81	5.64
	6	4.56	5.04	1.36	2.08	3.34
8	1	3.98	5.38	1.26	4.55	2.70
	2	6.12	15.27	2.81	7.56	2.93
	3	25.80	5.03	13.50	8.46	2.77
	4	6.82	4.46	4.45	14.75	2.17
	5	4.52	4.00	2.69	19.94	1.87
	6	10.07	24.48	2.03	16.26	1.69
9	1	6.50	14.08	1.69	11.44	1.45
	2	15.92	14.94	2.51	5.76	1.29
	3	9.31	8.08	1.89	6.37	1.09
	4	6.23	11.11	21.95	21.94	1.10
	5	9.98	8.39	9.20	9.84	1.02
	6	12.36	4.64	6.05	6.04	1.07
10	1	6.82	3.07	6.39	10.28	1.14
	2	6.89	3.41	9.21	7.64	1.23
	3	4.25	3.48	5.51	32.88	0.27
	4	3.43	5.79	3.78	8.13	0.72
	5	2.90	4.82	2.82	5.22	4.31
	6	2.65	2.76	4.08	5.63	1.21
11	1	2.49	2.30	10.18	3.72	1.91
	2	2.34	2.20	7.04	3.01	1.54
	3	2.52	1.88	4.61	2.27	1.35
	4	2.47	1.83	3.32	2.09	1.21
	5	2.22	1.85	2.41	2.08	1.44
	6	2.05	1.63	13.68	2.20	1.22
12	1	1.88	1.50	11.92	1.91	1.21
	2	1.79	1.34	4.51	1.59	1.65
	3	1.68	1.39	5.02	1.46	1.88
	4	1.64	1.48	3.44	1.35	1.43
	5	1.61	1.36	2.85	1.29	1.48
	6	1.41	1.47	2.54	1.21	1.65
1	1	1.46	1.26	2.61	1.12	1.60
	2	1.78	1.22	2.45	1.30	2.17
	3	1.62	1.26	2.05	1.26	2.00
	4	1.37	1.20	1.91	1.23	1.59
	5	1.70	1.08	1.88	1.18	1.08
	6	1.30	1.03	1.69	1.23	1.34
2	1	1.32	1.00	1.54	1.20	1.15
	2	1.21	0.98	1.52	1.26	2.32
	3	1.27	1.54	4.17	1.25	1.77
	4	1.96	4.29	7.25	1.17	3.05
	5	1.84	8.12	3.04	1.14	3.39
	6	2.04	5.31	2.39	1.20	2.67
3	1	4.44	3.96	2.70	4.20	2.36
	2	3.37	2.99	5.10	3.08	3.33
	3	2.97	2.93	4.29	3.14	2.81
	4	2.47	2.87	3.69	4.85	2.29
	5	1.94	2.57	10.64	3.92	2.29
	6	2.41	2.96	10.08	6.60	4.10

湯西川ダム地点流量データ (3/4)

単位: m³/s

年度 月・半旬		1993 (H05)	1994 (H06)	1995 (H07)	1996 (H08)	1997 (H09)
4	1	5.58	5.99	10.34	9.06	5.80
	2	4.47	10.48	9.32	4.83	9.76
	3	2.78	7.95	7.14	4.21	4.92
	4	3.84	6.22	7.02	9.12	3.23
	5	4.90	5.09	6.48	6.55	2.67
	6	4.15	3.80	5.15	10.56	2.32
5	1	3.79	3.20	4.70	8.48	2.32
	2	3.39	3.01	3.81	11.46	2.36
	3	3.87	2.87	11.55	8.47	2.16
	4	3.66	3.67	11.85	5.13	1.90
	5	2.50	2.62	5.69	3.93	4.58
	6	1.94	7.57	3.73	3.21	6.60
6	1	4.21	3.61	3.35	2.80	2.94
	2	3.55	2.60	3.78	2.00	2.66
	3	4.14	2.15	7.00	1.47	2.52
	4	2.69	2.25	17.58	2.18	2.11
	5	3.23	2.22	5.98	1.91	11.42
	6	2.84	1.91	5.96	2.16	5.62
7	1	6.62	1.78	4.95	2.14	3.98
	2	7.19	1.55	6.00	2.15	2.88
	3	9.50	1.46	10.41	2.65	2.93
	4	9.09	1.37	8.28	2.71	4.64
	5	6.37	1.39	5.86	2.47	3.17
	6	10.96	1.63	3.95	2.64	4.74
8	1	4.65	5.09	2.88	2.56	5.04
	2	3.99	2.56	2.19	2.18	4.06
	3	5.79	1.78	2.08	1.62	2.64
	4	4.80	1.68	1.77	1.44	2.47
	5	4.56	7.36	2.03	1.31	1.78
	6	20.98	3.40	1.59	1.51	1.72
9	1	10.29	2.13	1.41	1.22	1.50
	2	9.83	2.51	1.18	1.33	1.73
	3	11.01	5.05	1.14	1.58	2.23
	4	5.36	20.94	10.87	1.24	7.98
	5	4.34	6.09	2.84	8.82	5.29
	6	3.35	18.76	1.72	2.97	7.68
10	1	2.94	33.20	1.16	2.15	3.99
	2	3.32	7.05	1.02	2.11	2.61
	3	3.00	4.89	0.93	1.84	2.02
	4	2.40	3.52	0.60	1.47	1.70
	5	2.15	3.35	0.53	1.22	1.49
	6	1.99	2.80	0.35	1.00	1.57
11	1	2.08	2.16	0.23	1.21	1.28
	2	1.71	1.74	0.62	1.32	1.15
	3	10.20	1.58	0.88	1.12	1.11
	4	6.27	1.22	1.04	1.05	1.52
	5	3.83	1.19	1.67	1.38	1.63
	6	2.96	1.05	1.22	0.99	3.96
12	1	2.61	1.08	1.17	0.88	4.37
	2	2.22	1.43	1.15	0.97	3.78
	3	2.25	2.00	0.77	0.86	3.28
	4	1.96	1.75	0.93	0.94	2.34
	5	1.82	1.46	0.32	0.95	1.88
	6	1.96	1.91	0.75	0.91	1.61
1	1	1.81	1.64	1.12	0.95	1.43
	2	1.91	1.44	1.14	1.00	1.41
	3	1.93	1.49	1.17	0.92	1.31
	4	1.61	1.38	1.97	0.91	4.36
	5	1.45	1.50	1.45	0.98	3.06
	6	1.33	1.55	1.24	0.94	2.18
2	1	1.31	1.42	0.86	0.96	1.70
	2	1.33	1.34	1.12	0.93	1.56
	3	1.44	1.37	1.05	1.12	2.05
	4	1.37	1.50	0.74	1.19	2.61
	5	5.39	1.34	0.87	1.07	5.32
	6	2.67	1.25	1.16	1.72	3.65
3	1	2.29	1.37	1.00	2.42	3.64
	2	3.18	1.27	1.03	3.52	2.78
	3	3.95	1.61	0.94	2.86	3.45
	4	2.75	7.86	4.08	3.33	3.14
	5	4.54	5.42	7.28	2.93	4.16
	6	4.39	6.11	7.16	4.37	4.98

湯西川ダム地点流量データ (4/4)

単位: m³/s

年度 月・半旬	1998 (H10)	1999 (H11)	2000 (H12)	2001 (H13)	2002 (H14)	
4	1	5.01	3.90	7.84	4.27	10.22
	2	6.38	3.81	10.81	8.93	7.36
	3	7.60	7.24	10.50	8.21	5.25
	4	8.51	4.54	6.90	5.34	5.00
	5	4.34	6.13	16.18	3.70	4.23
	6	3.95	14.35	6.92	3.13	3.12
5	1	2.96	5.85	12.43	2.84	2.69
	2	2.71	5.29	7.18	2.77	2.65
	3	2.57	3.44	8.95	2.26	2.41
	4	2.33	2.87	6.95	1.96	3.84
	5	1.99	2.23	5.15	2.35	2.76
	6	2.08	2.08	3.69	2.14	2.00
6	1	1.70	1.69	3.12	1.64	1.64
	2	1.55	1.53	2.46	1.90	1.40
	3	2.23	1.41	3.03	5.25	1.43
	4	2.49	1.37	2.16	5.73	1.92
	5	2.19	1.27	2.93	3.48	1.65
	6	1.76	2.13	2.91	3.40	1.74
7	1	1.74	6.24	6.45	2.49	1.69
	2	1.67	2.29	16.14	1.87	20.55
	3	1.64	20.16	5.25	3.52	11.90
	4	1.37	15.98	8.58	12.23	5.92
	5	3.01	6.98	5.00	5.71	4.66
	6	5.00	5.51	4.37	3.18	3.03
8	1	6.78	3.12	4.33	2.64	4.22
	2	4.83	3.07	6.54	2.29	3.35
	3	3.63	11.31	4.16	2.79	4.96
	4	4.20	15.34	3.26	2.21	5.94
	5	3.60	10.64	2.44	40.44	3.98
	6	44.41	7.47	2.43	10.62	2.88
9	1	19.82	4.05	1.92	6.86	2.67
	2	6.21	3.01	4.78	42.03	4.47
	3	4.04	2.84	14.21	44.57	3.82
	4	45.53	10.21	9.23	9.13	3.70
	5	20.95	10.74	4.93	4.98	2.61
	6	8.23	5.64	3.43	3.82	2.79
10	1	6.04	3.40	3.16	5.37	29.89
	2	4.40	2.62	2.44	9.61	5.44
	3	3.23	3.35	1.99	13.16	3.48
	4	7.79	3.61	1.88	6.75	2.78
	5	5.99	3.05	2.35	5.67	4.14
	6	3.96	7.27	1.83	4.83	2.97
11	1	2.81	4.82	1.99	5.04	3.30
	2	2.31	3.79	3.27	5.88	3.00
	3	2.05	3.37	3.16	4.61	4.92
	4	1.85	4.52	3.90	4.11	3.68
	5	1.37	3.99	5.11	3.82	3.75
	6	1.36	3.53	3.77	3.60	5.60
12	1	1.08	3.22	3.28	3.51	3.93
	2	1.46	3.35	3.21	3.36	3.38
	3	1.29	3.83	3.12	3.42	2.56
	4	1.18	3.48	3.41	2.86	2.81
	5	1.14	3.18	3.36	1.40	2.39
	6	1.06	2.96	3.11	1.36	2.06
1	1	1.02	2.86	3.11	1.38	1.61
	2	1.02	3.99	3.30	1.37	1.67
	3	1.04	5.33	3.66	1.58	1.54
	4	1.00	4.47	3.26	4.02	1.49
	5	1.05	3.61	3.05	15.06	1.42
	6	1.21	3.14	3.01	4.85	2.32
2	1	1.09	2.93	2.91	2.88	1.62
	2	1.00	2.85	2.88	3.02	1.83
	3	0.96	2.50	2.76	2.50	2.60
	4	0.98	1.15	2.66	2.05	2.04
	5	1.08	1.09	2.52	2.15	1.62
	6	1.11	0.99	1.95	2.85	1.51
3	1	1.45	1.27	2.49	4.47	4.63
	2	2.64	1.93	2.21	4.17	4.63
	3	1.75	1.46	1.81	4.95	3.03
	4	9.15	1.81	4.72	7.07	2.70
	5	4.84	3.60	10.58	5.91	2.78
	6	6.39	13.22	9.02	11.31	5.86

五十里ダム地点流量データ (1/4)

単位: m³/s

年度 月・半月		1983 (S58)	1984 (S59)	1985 (S60)	1986 (S61)	1987 (S62)
4	1	49.13	16.87	25.55	15.51	8.53
	2	23.20	21.33	25.10	16.31	9.39
	3	19.25	20.96	29.21	22.82	7.21
	4	14.60	42.18	19.24	23.44	6.02
	5	10.98	33.74	19.84	34.21	6.28
	6	9.14	27.11	13.87	20.30	5.12
5	1	7.11	35.15	9.99	12.26	5.19
	2	6.53	18.75	8.32	11.68	4.60
	3	5.41	12.96	6.82	19.40	7.69
	4	6.79	11.00	5.94	21.75	6.75
	5	5.40	8.34	6.46	11.06	6.24
	6	4.06	6.72	5.31	8.48	5.28
6	1	3.67	5.39	4.23	7.17	4.10
	2	3.71	5.13	3.52	6.10	4.71
	3	3.78	4.62	3.87	4.66	4.03
	4	4.62	4.63	4.20	5.83	4.00
	5	5.36	5.32	10.95	4.67	5.30
	6	3.42	8.24	33.75	6.11	4.22
7	1	11.67	5.41	48.95	13.81	4.19
	2	18.81	8.05	25.03	7.92	4.09
	3	9.95	9.00	17.00	7.59	8.91
	4	10.39	10.97	12.89	10.04	9.72
	5	16.93	8.22	24.22	8.23	6.12
	6	44.04	6.14	10.44	6.02	5.22
8	1	17.98	7.60	7.75	61.00	5.09
	2	14.21	5.39	6.18	24.64	5.49
	3	25.51	4.21	6.79	10.22	6.94
	4	134.11	3.64	4.44	9.41	12.23
	5	23.96	3.28	4.38	8.60	8.70
	6	13.45	3.83	4.28	5.97	5.77
9	1	10.49	4.60	3.52	54.04	9.54
	2	12.59	3.44	3.53	15.18	43.78
	3	8.54	2.97	2.69	11.17	30.46
	4	7.57	3.17	4.23	8.85	11.59
	5	7.30	2.47	7.31	6.76	11.48
	6	38.32	2.20	9.90	5.53	16.56
10	1	14.58	2.21	6.92	12.29	8.97
	2	11.13	2.10	7.98	9.36	6.54
	3	8.13	3.27	8.97	11.60	4.86
	4	6.68	3.20	6.49	7.48	13.61
	5	5.49	2.86	4.79	5.54	7.13
	6	4.93	2.19	3.99	4.60	6.18
11	1	4.32	2.07	3.47	4.21	5.53
	2	4.32	1.84	6.69	4.32	5.60
	3	5.13	1.60	3.89	7.03	4.87
	4	5.96	1.83	3.63	6.37	3.84
	5	6.84	1.94	3.58	4.36	3.41
	6	6.60	1.67	4.48	4.40	3.34
12	1	6.27	1.72	4.35	4.05	3.30
	2	5.33	1.71	4.49	4.21	3.35
	3	5.52	2.46	3.75	5.47	4.47
	4	4.80	2.28	3.28	8.31	3.48
	5	4.14	1.96	3.15	7.10	3.24
	6	3.62	1.77	3.30	5.08	3.78
1	1	3.45	1.76	3.55	4.91	3.36
	2	3.12	1.56	3.11	4.41	3.09
	3	2.96	1.66	2.97	3.95	2.98
	4	2.81	1.63	2.71	3.73	3.03
	5	2.73	1.55	2.79	4.12	5.55
	6	2.69	1.53	2.38	3.89	4.12
2	1	2.59	1.56	2.04	3.63	3.80
	2	2.57	8.58	2.05	4.00	3.64
	3	2.53	5.33	2.18	7.36	3.09
	4	2.48	3.85	2.23	4.87	3.02
	5	2.46	4.05	2.17	4.32	2.66
	6	2.53	3.34	2.26	3.74	2.57
3	1	2.27	4.32	2.21	3.28	2.72
	2	2.23	6.10	3.54	3.98	3.03
	3	2.35	6.28	5.15	7.27	8.61
	4	2.73	11.94	7.80	8.95	7.83
	5	2.58	12.84	7.24	28.59	19.33
	6	4.67	21.10	8.57	14.69	9.81

五十里ダム地点流量データ (2/4)

単位: m³/s

年度 月・半旬	1988 (S63)	1989 (H01)	1990 (H02)	1991 (H03)	1992 (H04)	
4	1	11.05	7.97	13.75	16.75	20.88
	2	13.57	19.45	11.50	27.48	17.44
	3	18.97	17.38	11.19	19.96	13.35
	4	26.07	12.85	11.77	12.92	16.39
	5	20.49	12.05	23.37	9.06	11.63
	6	13.94	11.11	13.01	7.77	8.72
5	1	12.16	9.44	9.34	6.54	21.76
	2	10.63	9.99	8.50	5.76	11.10
	3	17.92	16.19	7.33	5.29	8.14
	4	11.78	10.23	6.64	4.92	7.67
	5	13.56	8.36	5.37	4.29	9.09
	6	10.25	13.88	4.69	4.33	13.90
6	1	11.07	8.09	4.49	4.04	17.11
	2	8.63	5.52	4.03	3.64	14.49
	3	6.89	4.85	4.70	3.41	11.44
	4	5.77	12.68	3.80	3.99	7.38
	5	5.13	15.52	3.78	4.65	17.85
	6	9.02	16.24	5.50	3.63	13.14
7	1	11.49	13.27	7.85	6.85	17.14
	2	10.04	9.85	5.56	4.53	11.03
	3	9.79	9.31	4.80	5.02	10.36
	4	10.67	11.67	4.50	7.98	31.13
	5	7.60	9.69	4.40	7.48	15.00
	6	12.12	13.40	3.61	5.52	8.88
8	1	10.57	14.31	3.34	12.10	7.19
	2	16.28	40.61	7.46	20.10	7.79
	3	68.59	13.37	35.90	22.49	7.37
	4	18.14	11.86	11.82	39.22	5.77
	5	12.01	10.63	7.16	53.03	4.97
	6	26.77	65.10	5.41	43.24	4.50
9	1	17.29	37.43	4.50	30.43	3.86
	2	42.32	39.71	6.68	15.32	3.44
	3	24.75	21.48	5.02	16.94	2.89
	4	16.56	29.54	58.35	58.34	2.92
	5	26.53	22.30	24.47	26.16	2.71
	6	32.86	12.35	16.08	16.07	2.85
10	1	18.13	8.16	17.00	27.33	3.04
	2	18.32	9.06	24.48	20.31	3.28
	3	11.31	9.26	14.66	87.41	0.72
	4	9.12	15.39	10.05	21.61	1.91
	5	7.71	12.81	7.51	13.87	11.47
	6	7.05	7.33	10.86	14.97	3.23
11	1	6.63	6.12	27.07	9.90	5.07
	2	6.21	5.86	18.73	8.00	4.09
	3	6.71	5.00	12.25	6.04	3.60
	4	6.56	4.86	8.83	5.57	3.23
	5	5.91	4.91	6.41	5.53	3.84
	6	5.45	4.33	36.37	5.84	3.24
12	1	4.99	3.98	31.70	5.09	3.23
	2	4.75	3.57	11.98	4.22	4.39
	3	4.48	3.69	13.35	3.87	4.99
	4	4.35	3.93	9.14	3.58	3.80
	5	4.27	3.61	7.58	3.42	3.94
	6	3.74	3.91	6.75	3.23	4.40
1	1	3.88	3.36	6.94	2.97	4.25
	2	4.74	3.24	6.52	3.45	5.77
	3	4.32	3.36	5.46	3.34	5.32
	4	3.64	3.20	5.08	3.27	4.22
	5	4.51	2.88	5.00	3.13	2.86
	6	3.46	2.74	4.49	3.28	3.57
2	1	3.50	2.65	4.09	3.20	3.05
	2	3.23	2.60	4.04	3.34	6.16
	3	3.37	4.10	11.10	3.32	4.70
	4	5.20	11.40	19.28	3.10	8.10
	5	4.88	21.60	8.08	3.03	9.01
	6	5.42	14.12	6.36	3.18	7.10
3	1	11.81	10.54	7.18	11.16	6.28
	2	8.95	7.94	13.55	8.20	8.86
	3	7.89	7.78	11.40	8.36	7.48
	4	6.56	7.64	9.82	12.90	6.09
	5	5.16	6.83	28.30	10.43	6.10
	6	6.40	7.86	26.80	17.55	10.90

五十里ダム地点流量データ (3/4)

単位: m³/s

年度 月・半旬		1993 (H05)	1994 (H06)	1995 (H07)	1996 (H08)	1997 (H09)
4	1	14.84	15.92	27.49	24.09	15.42
	2	11.88	27.87	24.79	12.83	25.95
	3	7.40	21.14	18.99	11.20	13.07
	4	10.22	16.54	18.66	24.24	8.59
	5	13.04	13.54	17.24	17.41	7.11
	6	11.04	10.11	13.68	28.07	6.16
5	1	10.09	8.50	12.50	22.56	6.17
	2	9.02	7.99	10.14	30.48	6.28
	3	10.30	7.62	30.70	22.53	5.75
	4	9.72	9.77	31.51	13.64	5.06
	5	6.66	6.97	15.12	10.46	12.18
	6	5.15	20.13	9.93	8.53	17.54
6	1	11.19	9.59	8.91	7.44	7.82
	2	9.45	6.91	10.06	5.32	7.07
	3	11.00	5.71	18.60	3.91	6.71
	4	7.16	5.99	46.74	5.79	5.61
	5	8.59	5.89	15.89	5.09	30.36
	6	7.56	5.08	15.84	5.75	14.94
7	1	17.59	4.72	13.16	5.68	10.57
	2	19.11	4.13	15.96	5.72	7.66
	3	25.27	3.88	27.69	7.04	7.78
	4	24.16	3.63	22.02	7.20	12.35
	5	16.93	3.70	15.59	6.58	8.42
	6	29.15	4.33	10.49	7.02	12.60
8	1	12.36	13.54	7.65	6.81	13.41
	2	10.60	6.81	5.83	5.80	10.80
	3	15.39	4.74	5.54	4.31	7.01
	4	12.76	4.48	4.71	3.83	6.56
	5	12.12	19.57	5.41	3.49	4.73
	6	55.77	9.04	4.23	4.01	4.58
9	1	27.37	5.66	3.74	3.24	4.00
	2	26.13	6.67	3.14	3.53	4.60
	3	29.28	13.44	3.02	4.20	5.93
	4	14.26	55.68	28.90	3.31	21.23
	5	11.54	16.18	7.54	23.44	14.07
	6	8.91	49.87	4.56	7.91	20.42
10	1	7.81	88.26	3.08	5.71	10.61
	2	8.83	18.75	2.72	5.61	6.94
	3	7.97	13.01	2.47	4.90	5.36
	4	6.37	9.36	1.60	3.91	4.51
	5	5.71	8.91	1.40	3.25	3.95
	6	5.30	7.45	0.92	2.66	4.18
11	1	5.52	5.75	0.60	3.22	3.40
	2	4.55	4.62	1.66	3.51	3.05
	3	27.12	4.19	2.35	2.98	2.95
	4	16.66	3.24	2.76	2.79	4.03
	5	10.18	3.17	4.44	3.66	4.33
	6	7.86	2.80	3.25	2.63	10.54
12	1	6.93	2.88	3.10	2.33	11.61
	2	5.90	3.81	3.05	2.57	10.06
	3	5.99	5.33	2.04	2.29	8.71
	4	5.22	4.64	2.48	2.49	6.23
	5	4.83	3.89	0.84	2.52	5.01
	6	5.20	5.08	1.99	2.41	4.29
1	1	4.81	4.35	2.97	2.53	3.81
	2	5.07	3.82	3.02	2.67	3.76
	3	5.13	3.95	3.12	2.44	3.49
	4	4.28	3.68	5.23	2.42	11.59
	5	3.86	4.00	3.85	2.61	8.14
	6	3.53	4.13	3.30	2.51	5.80
2	1	3.47	3.78	2.29	2.54	4.52
	2	3.54	3.56	2.99	2.48	4.14
	3	3.84	3.64	2.78	2.97	5.44
	4	3.64	3.99	1.97	3.17	6.93
	5	14.33	3.55	2.31	2.85	14.15
	6	7.09	3.33	3.08	4.58	9.71
3	1	6.09	3.63	2.67	6.43	9.68
	2	8.46	3.37	2.73	9.35	7.39
	3	10.50	4.29	2.49	7.61	9.16
	4	7.32	20.89	10.85	8.86	8.35
	5	12.06	14.41	19.36	7.78	11.06
	6	11.68	16.24	19.03	11.61	13.23

五十里ダム地点流量データ (4/4)

単位: m³/s

年度 月・半旬	1998 (H10)	1999 (H11)	2000 (H12)	2001 (H13)	2002 (H14)	
4	1	13.33	10.38	20.84	11.36	27.17
	2	16.97	10.12	28.74	23.75	19.58
	3	20.21	19.26	27.93	21.84	13.95
	4	22.62	12.08	18.35	14.19	13.30
	5	11.54	16.29	43.01	9.83	11.26
	6	10.50	38.15	18.41	8.33	8.30
5	1	7.87	15.55	33.05	7.55	7.15
	2	7.21	14.06	19.08	7.36	7.04
	3	6.84	9.15	23.80	6.02	6.40
	4	6.19	7.62	18.49	5.20	10.20
	5	5.30	5.92	13.69	6.25	7.33
	6	5.52	5.54	9.81	5.69	5.32
6	1	4.51	4.49	8.29	4.36	4.35
	2	4.13	4.08	6.55	5.05	3.71
	3	5.93	3.75	8.06	13.97	3.81
	4	6.61	3.65	5.75	15.24	5.10
	5	5.81	3.38	7.79	9.26	4.40
	6	4.67	5.65	7.73	9.05	4.63
7	1	4.62	16.59	17.14	6.62	4.49
	2	4.45	6.10	42.91	4.98	54.63
	3	4.37	53.59	13.95	9.35	31.63
	4	3.65	42.49	22.81	32.52	15.75
	5	8.01	18.56	13.29	15.17	12.40
	6	13.30	14.66	11.61	8.45	8.05
8	1	18.02	8.30	11.51	7.03	11.22
	2	12.84	8.17	17.39	6.09	8.90
	3	9.65	30.06	11.06	7.41	13.18
	4	11.18	40.79	8.68	5.87	15.79
	5	9.58	28.28	6.50	107.51	10.57
	6	118.07	19.86	6.45	28.25	7.66
9	1	52.69	10.76	5.10	18.24	7.10
	2	16.50	8.01	12.72	111.76	11.88
	3	10.75	7.54	37.79	118.51	10.17
	4	121.06	27.14	24.53	24.28	9.84
	5	55.69	28.55	13.11	13.23	6.94
	6	21.89	15.00	9.11	10.17	7.43
10	1	16.07	9.05	8.39	14.29	79.47
	2	11.70	6.97	6.49	25.54	14.46
	3	8.60	8.92	5.30	34.98	9.24
	4	20.71	9.59	5.00	17.95	7.39
	5	15.93	8.11	6.26	15.07	11.01
	6	10.53	19.32	4.87	12.84	7.90
11	1	7.48	12.81	5.28	13.41	8.78
	2	6.15	10.08	8.69	15.63	7.97
	3	5.45	8.95	8.40	12.27	13.07
	4	4.91	12.02	10.37	10.94	9.78
	5	3.64	10.61	13.59	10.15	9.97
	6	3.61	9.39	10.02	9.58	14.88
12	1	2.86	8.56	8.73	9.32	10.44
	2	3.87	8.91	8.53	8.93	9.00
	3	3.44	10.19	8.30	9.09	6.80
	4	3.15	9.25	9.06	7.61	7.47
	5	3.03	8.46	8.94	3.73	6.35
	6	2.83	7.86	8.27	3.62	5.47
1	1	2.72	7.61	8.28	3.67	4.27
	2	2.72	10.61	8.77	3.64	4.43
	3	2.76	14.18	9.72	4.21	4.09
	4	2.65	11.89	8.68	10.70	3.95
	5	2.80	9.60	8.12	40.03	3.78
	6	3.22	8.34	7.99	12.89	6.16
2	1	2.91	7.80	7.74	7.66	4.32
	2	2.65	7.58	7.67	8.03	4.08
	3	2.55	6.64	7.35	6.66	6.91
	4	2.61	3.06	7.08	5.46	5.42
	5	2.86	2.89	6.70	5.72	4.30
	6	2.96	2.62	5.19	7.59	4.01
3	1	3.85	3.37	6.61	11.88	12.32
	2	7.02	5.14	5.88	11.09	12.30
	3	4.66	3.87	4.81	13.16	8.06
	4	24.32	4.81	12.55	18.81	7.18
	5	12.88	9.58	28.13	15.72	7.39
	6	17.00	35.14	23.99	30.08	15.58

川俣ダム地点流量データ (1/4)

単位: m³/s

年度 月・半旬	1983 (S58)	1984 (S59)	1985 (S60)	1986 (S61)	1987 (S62)	
4	1	17.23	3.20	12.13	4.37	5.54
	2	13.31	6.91	14.14	6.40	10.34
	3	22.09	5.65	20.51	9.57	9.01
	4	23.36	12.81	14.68	11.62	7.46
	5	17.17	19.76	20.53	24.82	11.33
	6	15.40	21.01	15.59	27.29	9.04
5	1	10.27	27.43	15.72	16.06	9.44
	2	10.42	22.21	15.98	17.55	7.19
	3	8.37	22.44	10.07	22.75	10.45
	4	10.31	18.84	8.48	20.40	8.85
	5	6.46	13.79	8.90	12.40	9.05
	6	5.20	13.63	6.45	8.69	6.43
6	1	4.78	12.91	5.00	7.59	5.70
	2	4.61	10.55	5.03	6.29	5.39
	3	4.15	8.99	6.32	4.71	4.27
	4	4.56	6.59	6.37	5.62	5.41
	5	5.07	6.53	13.89	4.88	6.97
	6	4.18	7.99	30.51	6.82	4.52
7	1	9.09	5.68	38.59	7.92	4.50
	2	7.82	7.62	20.13	5.68	4.42
	3	5.52	5.90	14.83	5.78	5.59
	4	6.82	4.98	10.69	6.52	5.90
	5	10.29	4.40	14.94	5.57	4.50
	6	33.58	3.82	7.67	4.57	4.10
8	1	13.29	5.54	6.85	25.47	3.73
	2	12.97	5.16	5.24	13.09	3.94
	3	29.31	3.62	5.85	6.98	5.35
	4	81.58	2.95	4.31	5.99	5.75
	5	22.23	3.21	3.91	4.82	4.81
	6	11.57	3.34	3.66	3.88	3.56
9	1	8.30	3.48	3.43	34.73	6.93
	2	7.91	3.91	3.66	10.97	14.79
	3	6.10	3.01	3.05	8.92	13.96
	4	5.72	3.33	4.23	7.90	7.35
	5	5.95	2.70	8.92	6.69	7.05
	6	24.76	2.34	9.58	5.48	6.86
10	1	11.07	2.51	6.82	6.84	4.97
	2	9.07	2.22	6.63	6.21	4.05
	3	7.61	5.40	7.79	7.20	3.83
	4	6.15	3.69	5.83	6.04	7.33
	5	5.29	3.52	4.36	5.12	4.88
	6	5.21	2.75	3.92	4.21	4.14
11	1	4.44	2.45	3.57	4.15	4.35
	2	4.31	2.51	5.58	4.01	4.07
	3	4.27	2.46	3.80	4.84	3.62
	4	4.63	3.04	3.43	4.12	3.40
	5	4.56	2.58	3.64	3.73	2.87
	6	4.35	2.24	3.54	3.93	2.91
12	1	3.93	2.36	3.20	3.49	2.65
	2	3.77	2.26	3.05	3.31	2.72
	3	3.93	2.96	2.74	3.35	2.69
	4	3.25	2.46	2.58	4.70	2.42
	5	3.05	2.16	2.51	3.77	2.38
	6	2.71	2.01	2.60	3.56	2.43
1	1	2.71	1.91	2.71	3.37	2.41
	2	2.77	1.76	2.15	3.01	2.10
	3	2.68	1.81	2.36	2.66	2.12
	4	2.59	1.66	2.26	2.57	1.95
	5	2.41	1.56	2.11	2.69	2.49
	6	2.46	1.55	2.03	2.37	2.16
2	1	2.28	1.64	1.86	2.47	2.06
	2	2.29	2.80	1.81	2.54	2.24
	3	2.13	2.18	1.88	4.08	2.01
	4	1.95	2.24	1.91	2.59	1.78
	5	1.81	1.90	1.86	2.77	1.79
	6	2.40	1.96	1.84	2.52	1.84
3	1	2.15	1.90	1.71	2.52	1.85
	2	1.94	2.85	2.06	2.40	1.79
	3	2.12	2.69	2.30	3.08	3.08
	4	2.31	3.86	2.35	3.55	2.70
	5	1.91	3.80	2.46	13.50	3.98
	6	1.98	9.13	2.78	7.73	2.98

川俣ダム地点流量データ (2/4)

単位 : m³/s

年度 月・半旬	1988 (S63)	1989 (H01)	1990 (H02)	1991 (H03)	1992 (H04)	
4	1	3.51	5.35	12.43	10.98	12.26
	2	4.16	15.86	9.99	23.02	12.82
	3	7.78	12.38	13.56	24.55	10.63
	4	12.45	14.84	9.89	18.44	8.87
	5	15.16	14.73	17.01	11.91	9.58
	6	14.72	12.12	12.64	12.18	9.46
5	1	17.16	10.57	10.30	8.46	12.43
	2	11.69	13.46	12.83	7.86	10.15
	3	17.52	17.53	11.48	8.31	11.17
	4	18.41	10.57	9.02	8.19	12.34
	5	16.82	9.96	6.96	7.81	9.64
	6	11.28	14.22	5.08	6.69	9.11
6	1	12.57	9.16	5.30	5.19	14.89
	2	9.33	7.14	4.59	4.21	11.31
	3	6.97	5.64	4.65	5.35	7.93
	4	5.49	11.42	3.94	4.80	5.73
	5	4.63	10.47	4.25	5.77	12.45
	6	5.86	10.13	5.45	4.74	10.39
7	1	7.65	8.34	4.84	6.10	11.13
	2	8.35	6.71	3.72	4.01	7.89
	3	7.19	8.08	3.53	4.46	9.24
	4	6.71	11.09	2.77	6.34	19.94
	5	5.58	7.91	2.96	5.00	10.42
	6	8.14	9.08	2.14	4.24	6.49
8	1	5.68	9.47	2.49	7.49	5.67
	2	7.46	31.73	29.81	11.14	5.29
	3	20.70	11.21	13.64	7.78	5.32
	4	11.30	15.65	6.53	25.58	4.02
	5	9.46	11.00	4.82	24.57	3.52
	6	10.46	42.88	3.74	23.69	4.24
9	1	8.41	21.15	3.24	16.97	3.28
	2	14.66	17.57	4.92	11.34	2.67
	3	14.18	12.18	4.02	10.58	2.57
	4	13.78	15.20	24.04	34.95	2.84
	5	19.18	13.62	11.31	16.58	2.56
	6	21.65	8.95	11.92	10.97	2.71
10	1	12.05	6.92	11.31	18.21	2.78
	2	8.50	8.71	14.77	16.71	5.49
	3	6.85	8.31	10.25	56.22	4.34
	4	5.64	12.18	7.52	17.77	5.16
	5	4.71	10.14	5.54	11.95	12.21
	6	4.38	6.61	10.49	11.31	5.07
11	1	4.28	5.67	19.68	7.53	3.82
	2	4.02	4.90	13.66	6.03	3.57
	3	3.76	4.54	9.11	4.84	3.43
	4	3.73	4.05	6.55	4.23	2.36
	5	3.40	3.86	5.46	3.97	4.72
	6	3.15	3.30	32.13	5.49	3.19
12	1	2.76	3.29	23.58	4.68	3.16
	2	2.64	2.96	9.61	4.07	4.18
	3	2.46	2.96	7.33	3.58	3.80
	4	2.45	2.61	5.82	3.31	3.22
	5	2.33	2.51	4.99	3.09	3.19
	6	2.38	2.50	4.62	3.10	3.22
1	1	2.35	2.58	4.36	2.96	2.87
	2	2.45	2.46	3.94	3.12	3.19
	3	2.33	2.40	3.43	2.77	2.51
	4	3.53	2.47	3.34	2.61	2.33
	5	3.81	2.17	3.19	2.46	2.46
	6	2.63	2.10	2.83	2.38	2.64
2	1	2.50	1.96	2.77	2.67	2.36
	2	2.64	1.81	2.63	2.26	3.07
	3	2.23	3.04	3.30	2.21	2.48
	4	4.05	3.91	3.90	2.16	2.96
	5	3.04	7.91	2.95	2.27	3.58
	6	3.26	6.32	3.17	2.31	2.98
3	1	6.05	4.85	3.08	5.94	2.80
	2	4.81	3.86	4.80	3.41	3.21
	3	4.46	4.87	4.33	3.70	3.00
	4	3.75	4.38	4.04	5.61	2.55
	5	3.67	5.13	9.84	4.68	3.19
	6	3.71	6.13	17.22	5.48	4.92

川俣ダム地点流量データ (3/4)

単位: m³/s

年度 月・半旬		1993 (H05)	1994 (H06)	1995 (H07)	1996 (H08)	1997 (H09)
4	1	7.16	6.68	6.75	11.37	8.77
	2	7.07	14.34	11.57	5.71	24.57
	3	4.93	14.78	10.20	5.32	11.17
	4	7.58	13.72	17.05	11.04	7.51
	5	16.19	14.70	23.39	9.83	8.16
	6	15.96	13.98	19.40	20.69	7.74
5	1	13.52	14.02	22.43	24.66	9.60
	2	15.37	14.50	15.97	22.30	12.02
	3	22.17	11.94	29.95	20.12	8.14
	4	14.78	13.15	27.46	18.35	7.53
	5	11.54	8.67	15.47	17.61	10.87
	6	10.02	15.55	10.67	17.20	12.01
6	1	9.95	8.60	9.08	18.50	6.80
	2	7.56	6.58	11.75	13.50	5.63
	3	6.90	5.50	27.14	11.67	4.83
	4	5.64	5.16	22.64	9.62	4.12
	5	5.65	4.65	11.92	8.33	17.25
	6	5.43	3.88	11.19	9.66	8.51
7	1	11.22	3.99	10.54	5.82	6.18
	2	10.82	3.26	11.61	5.33	4.91
	3	11.08	3.65	16.76	4.38	5.65
	4	13.07	3.32	13.22	4.15	9.58
	5	12.31	2.31	10.47	5.20	5.66
	6	16.17	4.53	6.95	4.49	11.28
8	1	8.31	4.97	5.50	5.23	9.33
	2	7.76	3.19	4.58	3.33	7.75
	3	7.90	2.56	3.74	3.03	5.42
	4	8.35	3.64	3.63	3.23	4.49
	5	6.96	15.66	5.96	3.40	3.78
	6	34.92	6.29	4.52	3.73	3.34
9	1	18.63	4.86	3.09	3.14	3.10
	2	17.08	4.76	2.85	4.12	3.33
	3	18.65	6.78	3.87	4.82	4.01
	4	10.64	24.47	19.92	4.75	10.61
	5	8.72	10.40	6.21	18.71	7.27
	6	6.26	36.05	4.68	7.23	11.89
10	1	6.15	50.73	3.97	5.25	6.58
	2	7.36	15.04	3.66	6.16	5.57
	3	6.03	9.23	2.95	5.09	5.16
	4	4.65	6.27	2.76	3.99	4.78
	5	4.50	6.33	2.82	3.73	4.20
	6	5.08	4.72	4.04	3.37	4.41
11	1	6.14	4.29	2.81	3.73	4.28
	2	4.43	3.90	3.58	3.50	2.82
	3	14.89	3.25	3.63	3.20	2.82
	4	9.85	3.14	3.58	3.12	3.98
	5	7.24	3.02	3.30	3.31	4.59
	6	5.42	2.69	2.54	3.29	8.49
12	1	4.82	3.01	2.70	2.95	9.39
	2	4.07	3.72	2.48	3.09	6.91
	3	4.51	3.76	2.37	2.64	6.26
	4	3.63	3.22	2.34	2.77	4.87
	5	3.62	3.00	2.64	2.55	3.84
	6	3.40	2.90	2.50	2.58	3.29
1	1	3.17	3.14	2.39	2.56	3.02
	2	2.70	3.12	2.71	2.56	3.02
	3	2.48	2.97	2.57	2.21	2.49
	4	2.84	2.61	3.20	2.11	3.74
	5	2.43	2.61	2.56	2.16	2.31
	6	2.26	2.43	2.26	2.05	2.17
2	1	2.52	2.22	2.21	2.06	2.40
	2	2.52	2.16	2.36	1.96	2.51
	3	2.42	2.21	2.16	1.91	3.13
	4	2.27	2.16	2.62	1.91	3.13
	5	3.35	2.12	2.16	1.98	5.36
	6	2.45	2.15	2.30	2.89	3.35
3	1	2.28	2.18	2.15	2.91	3.53
	2	3.58	2.48	1.81	3.24	3.10
	3	3.75	2.10	1.77	3.32	3.87
	4	2.84	4.25	3.51	3.28	3.75
	5	3.56	5.04	5.50	3.47	6.85
	6	3.49	5.86	6.92	4.94	8.35

川俣ダム地点流量データ (4/4)

単位: m³/s

年度 月・半旬	1998 (H10)	1999 (H11)	2000 (H12)	2001 (H13)	2002 (H14)	
4	1	8.85	6.50	5.76	5.10	18.80
	2	13.16	5.92	11.18	12.11	20.52
	3	24.76	17.73	14.73	17.54	15.10
	4	29.43	11.13	10.14	12.96	20.18
	5	17.64	16.32	31.14	11.73	16.93
	6	15.61	30.84	16.30	10.74	13.13
5	1	12.53	14.91	20.33	11.99	13.92
	2	9.71	15.76	23.59	13.70	13.91
	3	8.46	11.23	23.46	10.99	11.29
	4	7.15	9.18	20.09	9.72	10.79
	5	5.87	7.31	18.17	12.09	9.06
	6	6.34	6.95	16.25	9.16	6.91
6	1	4.42	5.22	10.91	6.46	5.77
	2	4.02	4.32	8.81	5.98	5.29
	3	4.73	3.74	8.48	9.67	4.82
	4	4.25	4.20	6.54	11.34	4.86
	5	4.37	3.84	7.52	8.09	4.18
	6	3.67	6.41	5.98	7.92	4.12
7	1	2.99	13.51	8.41	5.65	4.11
	2	2.98	7.21	29.40	4.32	35.13
	3	2.81	37.20	10.43	4.19	31.22
	4	2.24	26.05	8.44	5.29	13.83
	5	4.04	13.79	6.40	4.79	8.04
	6	5.88	8.47	6.22	3.56	5.76
8	1	8.18	5.78	7.23	3.00	4.53
	2	6.66	4.87	11.89	3.80	4.37
	3	5.08	40.08	9.73	5.97	4.08
	4	9.21	40.51	7.50	5.31	5.32
	5	6.73	17.11	5.40	60.13	3.87
	6	35.41	10.37	4.99	15.94	3.13
9	1	35.45	7.18	4.24	12.14	2.86
	2	12.69	5.55	8.93	101.41	6.79
	3	7.87	5.03	30.89	85.00	6.09
	4	84.79	9.70	11.49	17.12	6.03
	5	34.91	16.20	8.06	10.28	4.21
	6	16.83	8.86	6.08	7.91	4.86
10	1	12.20	6.41	6.74	7.24	42.03
	2	8.53	5.37	5.08	16.33	9.09
	3	6.89	4.85	4.20	15.22	6.43
	4	13.04	4.44	4.25	8.21	5.48
	5	9.54	3.69	4.77	6.91	8.33
	6	6.94	10.37	4.48	5.75	5.46
11	1	5.35	6.65	5.05	6.41	4.94
	2	4.52	5.00	4.15	7.10	4.92
	3	4.09	4.52	3.62	5.21	6.25
	4	3.56	6.07	5.06	4.44	5.02
	5	3.36	5.25	6.65	4.06	5.52
	6	3.10	5.06	4.48	3.48	6.33
12	1	2.90	4.12	3.70	3.44	5.34
	2	3.63	5.27	3.31	3.41	5.16
	3	3.14	3.91	3.08	3.25	4.29
	4	2.86	3.62	3.11	3.04	4.36
	5	2.64	4.66	2.82	3.12	3.88
	6	2.46	3.04	2.77	2.98	3.49
1	1	2.55	2.97	2.73	3.43	3.58
	2	2.62	3.97	3.02	2.95	3.00
	3	2.61	4.72	2.70	2.91	2.91
	4	2.41	4.73	2.56	3.97	2.77
	5	2.21	3.31	2.31	8.26	2.74
	6	2.17	2.81	2.53	4.72	3.24
2	1	2.01	2.61	2.28	3.71	2.42
	2	2.01	2.66	2.11	3.34	2.07
	3	1.91	2.61	2.04	3.27	2.80
	4	1.96	2.68	1.98	3.08	2.47
	5	1.96	2.46	2.58	3.20	2.40
	6	2.17	2.23	2.33	3.41	2.30
3	1	2.13	2.56	2.86	3.94	4.16
	2	3.30	2.63	2.41	4.74	3.41
	3	2.52	2.35	2.16	5.97	2.51
	4	9.34	2.46	3.71	8.28	2.71
	5	6.73	2.80	7.49	8.00	3.13
	6	8.53	6.89	7.94	14.81	5.30

川治ダム地点流量データ (1/4)

単位: m³/s

年度 月・半旬		1983 (S58)	1984 (S59)	1985 (S60)	1986 (S61)	1987 (S62)
4	1	21.70	4.65	16.05	5.59	6.43
	2	7.97	10.09	17.34	3.02	4.99
	3	6.39	4.10	21.05	5.30	4.19
	4	7.44	13.79	1.94	0.02	0.00
	5	0.99	17.37	4.96	16.20	0.00
	6	0.00	13.83	0.53	5.33	0.00
5	1	0.00	19.27	0.00	0.00	0.00
	2	0.52	9.42	1.98	0.00	0.00
	3	0.00	2.35	0.00	15.06	1.38
	4	3.92	0.00	0.22	5.23	0.00
	5	0.00	0.00	2.19	6.79	6.12
	6	0.00	0.00	0.81	0.27	0.00
6	1	0.00	0.00	0.00	0.00	0.00
	2	0.00	0.00	0.00	0.79	1.54
	3	3.87	0.00	0.02	0.66	0.27
	4	4.58	0.00	0.97	0.72	2.10
	5	6.87	1.82	6.51	5.13	7.17
	6	5.81	4.00	35.66	5.30	2.01
7	1	10.69	0.18	32.26	9.71	4.34
	2	10.50	3.73	1.11	6.33	4.11
	3	7.00	2.49	3.23	4.86	6.31
	4	8.61	4.75	5.29	8.19	8.58
	5	10.25	0.42	3.56	5.80	4.70
	6	17.84	1.03	0.13	4.70	4.22
8	1	0.95	2.48	1.06	65.11	4.60
	2	2.96	0.30	0.00	16.69	3.90
	3	23.41	0.00	0.89	8.90	6.61
	4	156.54	0.00	0.00	7.69	6.82
	5	4.32	0.00	0.00	7.71	5.55
	6	0.80	0.00	0.00	2.18	1.78
9	1	0.85	0.91	1.84	73.84	9.40
	2	1.08	4.40	2.46	11.52	38.97
	3	0.11	3.28	2.51	0.65	8.15
	4	0.00	3.87	3.85	1.07	0.62
	5	0.00	2.94	1.37	1.72	3.67
	6	18.04	2.62	4.39	0.77	3.17
10	1	0.00	1.30	0.07	9.33	1.78
	2	1.13	2.47	0.67	6.79	1.16
	3	0.00	5.76	0.83	11.53	4.98
	4	0.07	4.57	0.07	8.48	18.34
	5	0.00	2.68	0.00	7.89	10.04
	6	0.00	0.87	0.49	6.14	4.88
11	1	5.25	0.63	3.02	5.32	3.43
	2	5.29	2.66	2.95	3.53	2.01
	3	5.27	2.64	1.08	5.75	2.03
	4	5.51	2.94	1.66	6.25	3.37
	5	5.57	2.54	3.59	4.27	1.67
	6	11.40	2.35	3.46	4.42	1.79
12	1	5.40	2.57	2.52	3.23	1.43
	2	6.75	2.41	2.57	4.27	1.81
	3	5.27	3.25	2.45	5.23	2.72
	4	3.87	2.75	2.68	6.81	1.69
	5	3.61	2.36	2.83	6.30	2.64
	6	3.24	2.18	2.91	6.08	2.88
1	1	3.24	2.08	3.04	5.75	2.88
	2	3.27	1.91	2.42	5.27	2.40
	3	3.14	2.00	2.60	4.80	2.24
	4	3.02	1.83	2.37	4.46	1.61
	5	3.92	1.69	1.32	2.40	2.40
	6	4.54	1.69	0.21	0.42	2.56
2	1	4.20	1.81	1.73	2.59	1.53
	2	2.60	4.45	1.29	2.29	2.62
	3	1.44	2.78	1.95	4.48	2.35
	4	0.28	2.63	1.16	1.96	1.24
	5	0.00	2.44	2.06	3.21	2.07
	6	1.93	2.51	2.11	2.85	1.79
3	1	2.08	2.65	1.90	2.89	2.15
	2	1.38	3.66	2.32	3.18	2.09
	3	2.29	3.55	2.77	3.82	3.57
	4	2.46	5.78	2.19	3.78	2.90
	5	1.94	5.61	1.98	10.57	5.03
	6	2.43	10.56	1.46	2.78	3.01

川治ダム地点流量データ (2/4)

単位: m³/s

年度 月・半旬		1988 (S63)	1989 (H01)	1990 (H02)	1991 (H03)	1992 (H04)
4	1	3.82	7.79	5.90	7.41	3.47
	2	5.17	12.82	7.32	14.51	5.74
	3	8.56	4.02	5.38	6.03	8.97
	4	3.40	1.69	0.30	1.20	2.67
	5	0.96	5.05	10.83	0.29	0.00
	6	2.08	1.01	2.03	1.15	0.00
5	1	0.23	0.00	2.56	0.00	7.27
	2	0.00	2.83	1.58	0.00	0.61
	3	7.86	17.87	0.00	0.00	0.00
	4	1.96	4.05	0.00	0.00	0.00
	5	4.07	1.68	0.00	0.00	1.02
	6	0.00	4.88	0.00	0.00	0.64
6	1	1.71	0.00	0.00	0.00	3.70
	2	0.00	0.00	0.01	0.00	2.25
	3	0.21	0.17	1.31	0.30	1.34
	4	0.54	6.50	1.68	1.70	0.15
	5	1.84	3.81	0.35	7.78	4.70
	6	3.52	4.72	2.03	3.11	1.93
7	1	3.79	2.35	4.22	5.93	1.39
	2	3.24	1.92	1.28	0.98	2.27
	3	2.05	1.85	1.91	0.00	2.65
	4	3.66	3.37	0.00	4.23	4.53
	5	1.74	0.64	0.00	0.15	0.00
	6	3.18	4.36	0.00	0.00	0.18
8	1	0.00	3.58	0.00	3.68	3.79
	2	2.73	27.64	70.95	15.14	1.89
	3	39.28	2.06	19.09	2.60	1.15
	4	6.53	1.41	1.50	50.69	3.51
	5	4.14	0.48	0.00	24.42	1.48
	6	8.89	62.59	0.00	35.59	0.31
9	1	4.16	18.98	1.13	7.56	0.43
	2	10.16	14.83	1.70	2.17	0.13
	3	4.82	4.65	1.14	6.61	0.65
	4	3.25	8.04	48.41	49.54	0.89
	5	11.68	5.66	0.26	2.48	0.43
	6	13.27	1.15	7.86	1.71	0.98
10	1	16.78	0.01	1.54	10.99	0.94
	2	14.71	1.15	18.67	6.52	4.91
	3	3.31	2.23	19.42	65.34	4.40
	4	1.46	18.87	10.26	0.72	1.76
	5	1.92	13.30	1.40	1.22	6.78
	6	1.87	8.08	5.31	3.05	0.51
11	1	1.89	4.71	16.33	0.77	1.49
	2	1.65	0.74	2.01	3.05	1.30
	3	2.07	1.88	6.44	0.08	1.33
	4	1.78	1.85	2.10	0.48	1.23
	5	2.76	1.09	4.52	0.62	4.25
	6	0.30	1.15	51.41	0.85	1.68
12	1	1.31	2.14	26.28	4.16	3.14
	2	0.27	0.25	2.87	4.90	4.02
	3	0.60	1.07	2.47	4.37	4.67
	4	1.00	1.72	3.82	4.01	3.93
	5	1.96	1.49	2.09	3.71	3.29
	6	4.11	2.36	3.09	3.98	3.87
1	1	4.10	3.28	4.18	3.61	3.48
	2	3.26	2.13	2.98	4.28	3.30
	3	2.22	1.89	3.00	5.45	0.84
	4	1.60	2.79	3.55	5.20	0.17
	5	0.54	1.58	3.51	4.68	4.85
	6	0.96	1.25	2.66	3.10	4.96
2	1	1.26	1.08	3.49	3.51	4.52
	2	0.43	0.54	2.29	2.98	6.13
	3	0.34	3.11	5.35	2.84	5.06
	4	1.76	6.17	4.48	2.83	6.97
	5	0.57	6.54	3.67	2.94	7.17
	6	1.54	1.64	4.10	2.90	6.55
3	1	0.83	1.35	3.98	6.85	4.82
	2	0.78	7.34	5.84	3.77	3.13
	3	5.25	8.36	2.81	2.81	1.50
	4	5.93	4.64	0.98	2.36	1.64
	5	5.18	3.56	2.90	4.02	3.98
	6	3.20	3.16	2.75	6.92	4.36

川治ダム地点流量データ (3/4)

単位: m³/s

年度 月・半旬	1993 (H05)	1994 (H06)	1995 (H07)	1996 (H08)	1997 (H09)	
4	1	4.89	3.62	6.51	6.78	9.68
	2	2.07	4.35	5.95	6.86	11.52
	3	5.28	2.87	4.96	5.70	5.43
	4	0.17	1.35	1.84	2.42	0.00
	5	0.00	0.00	2.84	0.00	0.00
	6	0.00	0.00	0.55	5.44	0.00
5	1	0.00	1.21	1.56	6.39	0.00
	2	0.00	2.58	0.10	5.52	0.00
	3	8.80	0.64	24.61	1.60	0.00
	4	1.25	8.22	11.25	0.12	0.00
	5	0.00	0.00	0.00	0.00	11.56
	6	0.00	12.57	0.00	0.00	16.19
6	1	7.30	0.00	0.26	0.00	8.28
	2	8.54	0.02	0.00	0.00	7.08
	3	6.60	0.00	35.77	0.00	6.79
	4	1.82	1.72	18.62	0.00	5.49
	5	4.40	1.33	4.32	0.00	35.05
	6	6.97	0.46	4.40	2.31	8.59
7	1	5.71	0.00	4.30	0.00	3.69
	2	5.01	0.00	3.11	0.00	1.89
	3	4.17	0.00	3.41	0.00	1.92
	4	5.05	0.27	4.03	0.00	3.37
	5	4.09	0.00	1.86	0.80	0.49
	6	9.32	0.11	1.09	2.00	6.23
8	1	1.24	7.37	0.00	1.56	3.49
	2	0.95	0.92	0.00	0.00	1.61
	3	6.06	0.00	0.00	0.00	0.36
	4	1.44	0.00	0.00	0.00	1.61
	5	0.25	18.52	1.41	0.36	0.32
	6	33.04	7.95	0.07	1.08	0.12
9	1	15.91	6.27	0.59	0.44	1.32
	2	7.66	6.32	1.74	3.93	1.38
	3	13.07	11.36	2.86	5.98	2.18
	4	0.62	37.17	13.32	5.59	4.07
	5	2.70	4.29	7.64	24.68	2.59
	6	1.22	59.33	5.58	8.65	4.86
10	1	0.73	60.54	0.09	3.47	0.36
	2	1.34	1.36	0.43	5.84	0.76
	3	0.37	0.47	0.33	6.16	2.13
	4	0.21	0.48	0.78	4.85	1.80
	5	0.82	1.62	0.20	4.43	0.26
	6	1.45	1.75	1.00	4.07	0.83
11	1	7.40	2.04	5.04	4.56	1.39
	2	7.80	0.95	6.21	4.18	3.48
	3	43.85	0.36	6.06	3.81	3.48
	4	20.21	1.51	5.96	3.69	4.99
	5	14.56	0.99	5.62	4.11	5.82
	6	10.75	0.64	1.92	5.09	14.10
12	1	10.28	3.17	1.47	4.83	12.94
	2	8.19	4.70	1.06	4.09	8.90
	3	8.73	5.30	0.12	3.36	7.83
	4	7.13	6.16	1.62	3.52	6.13
	5	7.29	5.56	3.32	3.18	4.39
	6	6.67	5.75	3.06	3.13	3.63
1	1	6.08	5.70	2.89	3.09	3.86
	2	5.09	5.56	3.81	3.21	4.36
	3	5.37	5.51	4.56	2.73	5.12
	4	5.30	4.56	5.65	2.63	9.93
	5	4.63	4.46	4.81	2.73	6.12
	6	4.61	3.11	4.18	2.59	3.64
2	1	5.02	2.79	4.10	2.63	3.18
	2	4.66	2.76	4.27	2.48	3.34
	3	4.68	2.81	4.12	2.48	4.08
	4	4.41	2.76	5.03	2.56	4.08
	5	7.55	2.22	4.07	2.58	5.99
	6	5.72	2.76	4.32	3.56	0.00
3	1	5.12	2.61	3.78	3.62	3.30
	2	7.67	2.63	3.74	5.37	3.00
	3	8.10	2.54	2.42	5.59	4.05
	4	5.70	7.46	4.63	4.56	1.29
	5	7.82	6.49	7.26	5.89	1.65
	6	4.69	8.10	5.24	7.07	1.90

川治ダム地点流量データ (4/4)

単位: m³/s

年度 月・半旬	1998 (H10)	1999 (H11)	2000 (H12)	2001 (H13)	2002 (H14)	
4	1	1.51	3.56	4.21	4.70	2.06
	2	4.51	3.56	7.08	6.06	1.52
	3	4.92	6.62	6.65	1.34	1.40
	4	12.13	2.26	2.22	0.27	1.12
	5	1.63	5.55	27.87	0.00	1.31
	6	0.51	19.56	3.12	0.00	1.02
5	1	0.46	3.86	15.18	0.00	0.84
	2	1.41	2.47	6.00	0.26	1.06
	3	2.84	0.00	4.48	0.00	1.07
	4	0.00	0.00	0.76	0.00	1.97
	5	0.00	0.00	0.00	4.49	1.26
	6	0.00	0.00	0.00	2.12	1.04
6	1	0.00	0.00	0.00	0.15	0.98
	2	0.00	0.00	0.58	0.36	0.84
	3	0.00	0.00	0.51	9.16	0.97
	4	0.62	0.27	1.35	14.25	1.14
	5	1.14	0.26	1.94	8.66	0.89
	6	1.60	6.78	0.65	8.08	1.07
7	1	0.29	10.11	3.11	1.77	0.95
	2	0.00	4.03	24.59	0.00	72.92
	3	0.00	54.17	2.78	0.00	34.75
	4	0.00	22.41	4.58	6.39	4.15
	5	3.03	7.35	2.02	7.39	3.34
	6	11.98	3.33	2.07	4.15	2.43
8	1	12.63	1.86	2.88	0.14	2.77
	2	9.82	0.19	1.16	0.00	1.95
	3	3.21	52.06	1.40	2.86	2.76
	4	3.48	42.38	1.08	0.00	3.37
	5	2.72	13.42	0.19	99.42	2.28
	6	63.62	4.03	1.28	5.15	2.19
9	1	29.90	0.33	0.87	1.79	2.53
	2	4.84	0.00	4.59	177.82	3.70
	3	2.55	0.23	26.01	118.66	2.76
	4	124.90	4.73	7.29	6.02	2.89
	5	48.19	4.31	5.26	3.78	2.10
	6	2.86	0.00	4.37	4.16	2.62
10	1	5.43	2.70	8.12	6.68	32.49
	2	3.03	10.38	6.40	31.34	3.09
	3	4.16	9.43	4.25	18.44	1.94
	4	32.49	7.69	2.83	3.38	1.68
	5	7.15	4.63	6.20	2.36	2.68
	6	6.08	14.39	5.59	1.07	1.67
11	1	0.00	11.29	6.27	1.74	1.29
	2	0.91	9.14	1.96	3.12	1.26
	3	1.21	7.78	3.18	2.60	1.26
	4	1.16	7.58	5.05	2.42	1.00
	5	1.31	4.73	4.03	2.83	1.77
	6	1.33	3.68	6.92	0.35	1.90
12	1	1.30	4.88	2.53	2.28	1.32
	2	3.38	2.37	1.89	3.39	1.19
	3	4.03	4.64	0.00	0.93	0.88
	4	3.65	4.27	1.54	0.84	0.89
	5	3.36	2.11	1.58	3.11	0.86
	6	3.14	3.59	1.69	3.67	0.83
1	1	3.24	3.47	2.82	0.75	0.93
	2	3.28	4.63	2.09	2.48	0.74
	3	3.31	8.45	0.80	1.84	1.68
	4	3.04	6.34	0.52	1.13	1.75
	5	2.84	5.91	0.54	10.40	0.78
	6	2.84	5.07	0.75	2.75	1.20
2	1	2.57	4.67	0.49	1.45	0.77
	2	2.54	3.67	0.04	1.30	0.66
	3	2.41	3.07	0.46	1.02	0.86
	4	2.40	3.18	0.59	0.94	0.77
	5	2.48	2.95	0.85	0.90	0.69
	6	2.65	2.60	0.84	1.10	0.66
3	1	3.62	2.05	3.11	1.22	2.06
	2	5.26	3.20	2.07	1.10	3.10
	3	4.32	3.62	0.38	1.11	1.29
	4	12.00	4.15	4.46	1.08	1.17
	5	6.33	3.93	7.37	1.11	1.18
	6	3.56	12.56	6.04	4.50	1.90

小袖橋地点流量データ (1/4)

単位: m³/s

年度 月・半旬	1983 (S58)	1984 (S59)	1985 (S60)	1986 (S61)	1987 (S62)	
4	1	27.64	10.77	24.39	9.82	9.14
	2	25.25	12.87	27.01	12.57	21.96
	3	32.97	13.92	27.95	18.34	13.02
	4	30.05	32.41	17.71	23.68	12.91
	5	20.72	32.53	27.13	60.84	18.02
	6	19.77	38.24	17.62	31.65	11.81
5	1	11.61	51.35	16.71	18.51	13.55
	2	13.32	32.51	13.18	17.50	9.05
	3	10.37	25.35	10.07	19.33	12.18
	4	16.01	19.17	8.02	15.96	10.88
	5	8.52	15.88	9.81	9.47	14.81
	6	6.49	14.84	6.73	13.73	8.16
6	1	5.49	12.77	5.00	13.40	7.07
	2	4.61	13.95	5.45	7.98	6.00
	3	8.45	9.99	7.98	5.74	3.77
	4	9.04	11.48	9.29	9.86	4.91
	5	10.63	11.31	24.56	8.36	5.60
	6	7.31	15.63	34.11	18.37	3.63
7	1	23.36	9.96	30.40	15.65	9.54
	2	16.28	11.15	18.76	9.50	6.65
	3	9.02	16.55	22.45	11.98	16.90
	4	11.14	24.12	18.16	11.86	17.84
	5	25.70	19.10	16.90	10.73	9.25
	6	18.36	21.51	8.01	6.16	5.88
8	1	11.97	8.43	6.14	9.03	4.51
	2	8.57	5.58	5.65	6.69	6.17
	3	9.03	4.70	10.50	4.07	7.87
	4	39.00	3.55	4.96	3.60	6.78
	5	16.93	3.67	3.52	8.09	6.70
	6	8.61	3.27	2.47	3.69	5.84
9	1	5.68	3.23	2.39	17.90	6.38
	2	6.20	2.77	3.46	6.76	13.08
	3	8.47	3.04	3.52	5.55	8.98
	4	10.49	2.96	4.94	7.23	5.54
	5	13.09	2.55	14.74	4.50	7.09
	6	37.82	2.12	16.60	3.65	7.00
10	1	13.16	2.97	9.22	3.72	4.43
	2	11.93	2.16	13.52	4.88	3.41
	3	8.36	2.75	8.74	6.20	2.99
	4	6.83	2.88	6.02	5.60	5.26
	5	5.75	2.53	4.99	6.97	3.49
	6	7.79	2.33	4.95	4.59	2.81
11	1	4.60	2.76	5.28	3.88	2.81
	2	4.00	2.90	12.18	3.83	3.12
	3	3.55	3.27	6.12	4.45	2.83
	4	3.72	3.26	4.33	3.47	3.04
	5	4.04	2.53	5.11	4.04	3.36
	6	3.80	2.27	4.49	3.22	3.16
12	1	3.76	2.53	3.91	2.72	2.52
	2	3.36	2.29	3.77	2.69	2.45
	3	3.94	5.55	3.12	3.16	2.79
	4	3.26	3.06	2.85	4.39	2.31
	5	2.94	2.29	2.68	3.87	2.36
	6	2.67	1.82	3.34	3.05	3.10
1	1	2.64	1.70	3.39	3.27	2.50
	2	2.20	1.57	2.64	3.16	2.21
	3	1.96	1.64	2.49	2.79	2.10
	4	2.30	1.35	2.14	2.76	2.20
	5	2.06	1.42	2.28	2.78	2.73
	6	2.01	1.45	2.14	2.35	2.17
2	1	1.94	1.40	1.80	2.45	1.72
	2	1.93	3.39	1.35	2.76	1.89
	3	1.85	2.97	1.50	6.02	1.68
	4	1.69	2.33	2.01	3.44	1.65
	5	1.67	2.16	1.67	2.99	1.63
	6	1.88	2.11	1.52	2.65	1.62
3	1	1.59	2.47	1.76	2.58	1.67
	2	1.21	3.84	2.56	2.62	1.45
	3	1.03	3.12	2.96	3.85	4.36
	4	1.64	7.27	3.49	4.91	4.03
	5	1.86	7.24	3.18	24.95	6.15
	6	2.67	14.37	4.51	13.47	4.32

小袖橋地点流量データ (2/4)

単位: m³/s

年度 月・半旬	1988 (S63)	1989 (H01)	1990 (H02)	1991 (H03)	1992 (H04)	
4	1	6.37	11.41	21.43	18.13	25.09
	2	7.13	26.55	14.13	40.94	21.79
	3	13.63	20.11	21.29	33.46	14.61
	4	27.42	26.46	11.77	25.17	13.32
	5	23.59	23.58	34.23	16.65	14.77
	6	27.51	16.35	18.86	21.12	15.77
5	1	20.60	14.63	15.55	10.25	11.73
	2	11.79	18.30	19.28	12.16	12.57
	3	19.06	26.39	15.60	11.81	11.77
	4	17.19	14.79	11.60	11.22	12.67
	5	21.38	12.26	7.60	10.68	12.14
	6	11.15	19.94	6.47	7.60	12.65
6	1	31.69	10.24	6.31	7.44	12.92
	2	14.14	8.46	6.15	6.00	17.18
	3	7.94	6.47	5.59	5.72	9.14
	4	8.55	20.71	5.01	6.77	8.49
	5	7.72	16.03	4.69	12.73	17.48
	6	27.59	25.55	5.52	7.42	10.44
7	1	19.12	13.40	13.83	14.98	9.39
	2	11.56	9.55	8.75	8.29	5.61
	3	10.90	9.50	6.69	8.17	13.59
	4	13.47	11.04	7.10	12.33	17.23
	5	11.07	10.49	5.19	6.54	8.64
	6	13.74	13.18	3.51	7.19	5.40
8	1	8.00	15.11	2.83	12.35	4.95
	2	7.96	11.79	15.14	11.14	8.07
	3	17.47	9.04	8.50	7.48	12.16
	4	12.53	12.53	4.27	13.81	5.85
	5	10.63	6.53	3.32	36.08	4.72
	6	30.94	24.15	2.60	34.88	9.80
9	1	21.40	39.86	2.24	19.42	4.27
	2	32.71	31.37	8.48	18.47	3.72
	3	27.28	17.24	4.99	23.73	3.08
	4	14.31	24.50	27.93	29.64	3.78
	5	18.90	16.96	12.50	17.07	3.23
	6	20.51	9.50	13.60	13.29	5.95
10	1	12.82	7.06	12.40	22.65	4.18
	2	14.00	6.82	18.00	15.40	9.50
	3	7.96	8.01	9.26	26.56	7.13
	4	5.70	10.86	6.20	12.41	9.10
	5	4.08	7.84	5.28	9.18	8.56
	6	3.55	5.24	17.58	10.89	5.75
11	1	4.17	8.55	10.57	6.70	4.73
	2	4.19	5.81	10.02	5.92	4.84
	3	4.81	5.97	7.53	4.59	3.57
	4	4.14	4.50	5.69	4.11	3.57
	5	3.71	4.27	4.90	4.21	3.42
	6	3.12	3.71	13.29	10.20	3.48
12	1	2.70	3.52	13.48	5.65	4.26
	2	3.16	3.08	6.18	4.10	7.35
	3	2.94	3.49	6.36	3.71	4.92
	4	2.60	4.44	5.09	3.94	3.64
	5	2.53	3.00	4.81	3.62	3.79
	6	2.60	2.96	4.16	3.15	3.70
1	1	2.39	2.57	4.36	2.88	2.90
	2	3.36	2.58	3.91	2.89	4.98
	3	4.33	2.64	3.43	2.63	3.54
	4	5.67	2.62	3.24	2.57	3.04
	5	6.10	2.44	3.16	2.15	2.88
	6	3.87	2.34	3.00	2.27	2.73
2	1	3.35	2.13	2.46	2.65	2.42
	2	4.09	2.13	2.58	2.56	4.97
	3	3.83	3.63	4.02	2.37	3.06
	4	7.61	4.43	7.11	2.20	4.41
	5	5.29	14.38	3.48	2.63	4.70
	6	5.75	10.35	3.38	3.38	3.90
3	1	10.59	9.05	4.06	8.19	3.88
	2	7.44	6.54	7.64	4.72	5.89
	3	8.11	8.44	6.32	8.77	3.83
	4	6.25	6.75	7.43	9.43	3.18
	5	5.34	9.00	21.26	9.24	6.54
	6	6.49	8.50	28.12	16.74	10.63

小袖橋地点流量データ (3/4)

単位: m³/s

年度		1993	1994	1995	1996	1997
月・半旬		(H05)	(H06)	(H07)	(H08)	(H09)
4	1	17.68	16.23	15.89	12.19	23.85
	2	9.42	21.96	26.13	10.83	40.35
	3	8.07	22.04	19.00	8.70	18.56
	4	15.82	21.48	27.65	23.18	12.93
	5	26.80	22.38	31.08	18.21	11.62
	6	18.04	17.35	28.72	34.50	14.08
5	1	20.28	20.19	30.18	46.83	17.35
	2	25.80	13.11	20.80	31.92	15.35
	3	27.86	18.53	22.37	24.18	12.67
	4	16.80	14.68	26.09	23.50	12.89
	5	15.09	9.73	13.54	20.68	23.83
	6	11.46	23.16	12.16	19.03	14.76
6	1	16.20	7.99	16.03	15.87	10.08
	2	9.89	6.47	18.24	10.70	8.35
	3	9.60	8.06	27.21	10.34	6.59
	4	14.72	8.81	23.09	11.49	10.26
	5	12.08	7.32	14.27	21.62	7.26
	6	10.50	6.10	16.31	16.17	24.31
7	1	25.17	4.95	16.96	10.23	8.73
	2	15.03	4.25	21.21	9.46	6.75
	3	16.87	3.56	29.15	6.87	6.72
	4	14.87	3.89	16.13	5.29	9.02
	5	16.56	2.69	12.18	8.19	4.95
	6	15.28	2.24	6.61	7.30	11.95
8	1	10.57	1.88	5.14	5.08	13.09
	2	13.73	1.67	4.23	3.60	11.43
	3	21.41	1.72	3.66	4.30	8.15
	4	17.12	1.44	3.36	3.56	5.53
	5	10.54	11.93	3.52	3.26	7.99
	6	14.04	3.85	3.32	8.76	9.81
9	1	12.90	2.84	3.11	4.32	5.96
	2	21.86	7.82	1.84	12.63	10.73
	3	18.98	5.75	2.58	7.58	16.20
	4	11.59	15.58	12.75	4.82	21.77
	5	8.68	17.17	3.59	12.58	13.65
	6	6.73	37.05	2.79	5.69	19.65
10	1	6.67	25.45	3.73	4.35	7.83
	2	8.41	12.26	3.14	6.61	5.96
	3	5.71	8.52	2.43	5.01	4.52
	4	4.20	6.32	2.08	4.95	3.92
	5	4.53	8.28	2.54	3.89	3.55
	6	7.15	4.36	2.12	3.45	3.55
11	1	4.79	4.29	1.55	4.70	3.26
	2	3.64	5.35	2.95	5.44	2.40
	3	20.16	3.47	2.54	4.34	2.87
	4	9.34	3.17	3.35	4.36	4.18
	5	7.35	3.08	2.55	4.28	6.19
	6	5.53	3.11	1.64	4.38	17.42
12	1	4.92	3.29	1.80	3.74	6.81
	2	3.90	4.01	1.79	3.58	15.08
	3	3.92	4.21	1.88	3.55	6.22
	4	3.45	3.32	1.79	4.13	5.42
	5	3.28	3.41	1.84	3.34	4.53
	6	3.33	3.55	1.77	3.27	3.45
1	1	3.32	3.67	1.72	2.97	3.08
	2	2.72	3.37	1.99	2.70	2.76
	3	2.18	2.98	2.38	2.49	2.42
	4	3.62	2.65	2.55	2.07	3.69
	5	2.90	2.95	2.35	2.21	2.92
	6	2.60	2.44	2.16	1.74	2.86
2	1	2.48	2.34	1.33	1.82	2.22
	2	2.67	2.23	2.07	2.44	2.61
	3	2.13	2.65	3.14	2.35	4.28
	4	2.83	2.48	3.16	2.15	5.08
	5	5.25	2.28	1.61	2.11	7.20
	6	2.98	2.27	2.50	3.01	6.24
3	1	2.78	2.37	2.30	3.27	6.17
	2	4.05	2.46	1.56	7.39	5.06
	3	4.34	3.21	2.58	7.77	7.38
	4	4.34	8.00	5.27	6.85	6.66
	5	5.96	10.73	11.15	7.75	7.73
	6	5.52	14.60	13.10	12.52	15.36

小袖橋地点流量データ (4/4)

単位: m³/s

年度 月・半旬	1998 (H10)	1999 (H11)	2000 (H12)	2001 (H13)	2002 (H14)	
4	1	13.72	10.69	13.10	8.40	22.38
	2	29.18	11.20	25.37	23.59	20.37
	3	46.88	25.68	28.56	24.33	17.71
	4	29.13	19.73	20.68	20.83	19.84
	5	25.20	28.80	49.02	12.68	19.93
	6	15.55	21.76	26.71	14.52	11.30
5	1	14.17	18.39	27.43	14.41	13.71
	2	10.26	14.24	25.44	16.59	12.05
	3	10.09	11.50	27.92	12.46	11.76
	4	7.57	10.21	21.43	10.25	15.25
	5	8.27	8.41	20.66	15.12	9.21
	6	7.18	11.15	16.58	13.52	7.04
6	1	5.60	8.01	10.19	10.20	6.49
	2	6.28	4.98	9.99	8.53	5.46
	3	7.45	5.52	10.24	15.01	6.23
	4	6.67	6.08	8.41	13.78	6.33
	5	11.52	5.04	11.83	9.91	7.86
	6	6.86	31.68	13.03	11.18	6.68
7	1	4.92	15.47	14.60	9.68	7.64
	2	5.00	11.69	15.41	5.65	57.85
	3	5.27	29.45	7.83	4.98	37.00
	4	3.08	28.63	10.77	4.54	21.67
	5	3.76	15.68	7.78	5.36	11.05
	6	4.64	8.37	6.21	4.12	6.81
8	1	4.68	5.81	10.50	4.25	6.19
	2	3.83	4.84	15.57	6.14	4.71
	3	8.62	24.63	8.16	9.47	17.12
	4	10.66	22.54	5.43	6.00	18.36
	5	7.68	35.60	4.44	45.71	12.38
	6	113.69	12.32	3.90	31.54	6.77
9	1	27.30	11.71	3.84	17.81	5.01
	2	16.28	8.58	22.55	28.82	9.22
	3	25.06	19.24	44.54	40.06	6.71
	4	35.76	15.22	30.72	16.10	10.41
	5	45.04	35.31	14.67	9.10	6.42
	6	19.30	11.69	11.56	7.15	6.93
10	1	16.52	7.64	9.58	6.27	26.15
	2	14.25	5.74	5.84	10.27	7.90
	3	8.92	4.77	4.47	8.44	4.96
	4	27.55	4.53	7.49	4.95	4.68
	5	15.57	3.16	8.39	4.86	7.48
	6	9.03	11.68	6.77	4.96	4.77
11	1	6.57	6.25	11.16	5.52	5.27
	2	5.22	4.32	6.14	6.47	4.95
	3	4.91	5.72	5.76	4.84	5.88
	4	4.01	7.50	7.57	4.47	4.36
	5	3.72	4.95	7.73	2.64	6.39
	6	3.88	3.90	5.01	3.56	6.78
12	1	3.90	3.63	4.32	4.03	5.92
	2	3.98	4.49	3.72	3.22	4.90
	3	3.40	4.08	3.51	3.65	3.63
	4	2.96	3.55	3.99	3.12	4.43
	5	2.85	2.84	4.41	2.77	3.63
	6	2.67	2.73	3.37	2.61	3.39
1	1	2.48	2.67	2.61	2.79	3.30
	2	2.48	4.93	2.85	2.61	2.73
	3	2.31	4.92	2.81	3.01	2.80
	4	2.22	3.61	2.65	5.49	3.02
	5	2.44	2.99	2.75	12.20	3.14
	6	2.40	2.51	3.08	5.08	3.15
2	1	2.24	2.30	2.58	3.89	3.08
	2	2.15	2.40	2.37	4.11	3.17
	3	2.08	2.99	2.41	3.35	3.79
	4	2.25	2.70	2.17	2.98	3.17
	5	2.20	2.65	4.38	3.55	3.03
	6	2.83	2.32	3.59	4.47	2.77
3	1	4.30	2.93	4.76	6.41	3.80
	2	5.05	2.87	4.01	7.89	3.69
	3	14.18	2.30	3.79	9.18	3.15
	4	24.18	2.59	6.40	12.43	3.78
	5	10.72	3.64	17.17	10.16	6.06
	6	13.40	12.51	16.48	15.90	11.55

岩本地点流量データ (1/4)

単位: m³/s

年度 月・半旬		1983 (S58)	1984 (S59)	1985 (S60)	1986 (S61)	1987 (S62)
4	1	156.28	81.52	151.86	77.63	78.21
	2	161.47	118.44	179.07	90.90	175.07
	3	251.20	105.08	198.02	124.92	120.97
	4	228.03	224.08	155.87	157.88	122.53
	5	181.92	237.86	235.27	322.95	181.54
	6	177.38	284.34	169.10	272.18	129.45
5	1	125.34	350.78	168.93	183.68	149.01
	2	115.77	291.17	183.49	207.34	109.32
	3	99.88	264.49	118.71	187.13	153.84
	4	127.95	230.00	99.49	187.84	121.79
	5	82.63	208.20	109.44	131.11	141.67
	6	64.29	208.28	78.02	123.00	92.53
6	1	56.24	187.19	58.57	122.58	81.63
	2	63.58	167.90	62.32	86.86	80.47
	3	64.48	135.51	77.36	60.47	53.82
	4	73.42	137.82	69.40	103.41	59.05
	5	81.71	111.42	160.93	78.54	62.09
	6	51.90	163.78	206.82	151.14	46.38
7	1	130.85	110.27	344.00	142.62	71.19
	2	100.50	151.70	189.63	89.10	53.68
	3	57.08	95.11	166.91	98.98	72.88
	4	83.24	96.32	103.31	104.49	94.66
	5	175.80	84.60	111.09	104.01	64.79
	6	369.76	113.78	55.38	60.62	68.65
8	1	124.77	62.52	45.11	133.47	53.52
	2	52.80	56.74	46.93	101.95	47.23
	3	56.68	44.73	59.29	47.76	62.74
	4	375.98	33.47	30.97	57.27	72.63
	5	150.98	42.06	35.61	54.82	55.28
	6	60.47	54.20	45.11	39.37	46.46
9	1	35.62	55.17	29.11	134.10	44.19
	2	44.71	41.02	38.39	62.31	62.09
	3	64.27	38.83	33.82	63.26	94.61
	4	72.68	37.81	52.88	66.37	44.84
	5	83.39	33.78	104.61	52.24	47.08
	6	334.87	28.24	100.07	39.67	52.97
10	1	117.67	38.72	66.01	48.67	37.41
	2	85.39	31.08	94.67	39.19	32.63
	3	60.20	29.07	82.08	48.77	28.46
	4	65.10	27.53	56.07	63.94	47.46
	5	57.25	30.38	50.76	72.40	38.10
	6	72.37	30.77	50.30	52.61	34.21
11	1	52.53	35.61	52.01	48.70	32.79
	2	49.47	40.42	78.54	50.10	42.79
	3	39.53	41.37	55.84	64.14	38.99
	4	42.19	38.96	42.89	51.23	36.83
	5	46.83	34.38	57.52	50.49	40.54
	6	43.77	31.18	55.66	46.72	34.72
12	1	43.68	32.25	51.00	39.95	32.31
	2	42.76	30.73	49.16	38.77	28.94
	3	31.81	51.26	41.73	40.35	34.56
	4	21.47	37.21	40.45	56.60	31.53
	5	29.03	31.60	36.22	51.33	30.68
	6	23.40	30.86	39.66	44.58	37.63
1	1	36.18	22.84	34.61	33.47	27.84
	2	39.32	23.20	35.29	42.03	34.69
	3	37.92	23.31	34.92	37.88	32.72
	4	37.58	23.14	33.67	38.25	32.10
	5	35.06	22.47	35.36	40.36	38.65
	6	36.94	21.88	33.08	38.01	32.10
2	1	32.96	22.31	31.50	35.75	30.27
	2	35.30	41.72	30.37	37.76	28.44
	3	30.85	35.99	31.79	58.40	27.15
	4	30.72	25.60	28.57	42.19	27.87
	5	32.77	27.74	27.90	38.39	26.55
	6	34.27	25.76	30.02	41.17	25.47
3	1	28.17	34.31	30.50	38.88	29.66
	2	30.74	39.26	38.80	40.41	26.87
	3	30.05	37.89	44.66	49.51	43.70
	4	24.24	69.14	49.06	57.59	41.37
	5	27.75	66.57	47.14	190.78	55.67
	6	41.29	106.88	51.44	106.27	45.03

岩本地点流量データ (2/4)

単位: m³/s

年度 月・半旬	1988 (S63)	1989 (H01)	1990 (H02)	1991 (H03)	1992 (H04)	
4	1	60.55	95.68	182.87	160.40	213.91
	2	66.54	207.39	136.46	294.99	204.22
	3	107.73	163.11	197.77	301.63	148.39
	4	165.88	202.99	139.24	252.62	120.41
	5	187.66	205.08	284.31	184.64	145.29
	6	188.62	150.22	190.37	218.62	164.94
5	1	201.21	147.66	154.70	160.61	157.81
	2	135.31	187.62	207.59	139.70	150.63
	3	189.12	233.96	186.24	151.88	150.51
	4	186.98	153.53	140.33	163.51	169.90
	5	210.44	155.34	103.34	167.40	157.73
	6	126.09	198.19	89.05	126.68	138.69
6	1	184.59	119.36	88.73	108.66	147.91
	2	115.13	101.50	76.91	90.01	138.12
	3	83.09	75.40	81.75	104.13	92.05
	4	88.87	131.00	76.43	102.81	89.13
	5	69.05	129.00	84.54	103.85	152.52
	6	114.99	183.11	100.30	85.80	100.42
7	1	135.08	134.99	104.59	116.59	104.26
	2	105.49	92.91	83.13	73.03	63.72
	3	92.06	109.62	65.14	86.49	120.44
	4	96.64	110.66	63.05	110.92	149.84
	5	77.59	102.51	56.06	86.32	84.61
	6	107.70	85.88	41.08	65.95	59.99
8	1	70.82	86.14	38.61	113.12	61.54
	2	76.36	105.67	122.49	104.17	61.75
	3	114.73	74.08	82.66	67.51	78.47
	4	84.68	125.23	44.96	91.92	52.74
	5	76.02	69.40	38.47	249.05	51.95
	6	114.83	161.99	39.38	216.47	70.57
9	1	107.54	227.75	35.03	185.05	70.96
	2	185.41	199.71	53.23	110.28	55.79
	3	185.91	120.72	52.40	125.08	43.27
	4	114.30	180.52	196.20	232.36	37.90
	5	143.59	164.03	107.08	156.96	40.00
	6	188.62	94.67	96.28	111.08	51.41
10	1	106.02	72.85	87.18	163.57	41.36
	2	101.69	78.40	135.35	144.43	79.68
	3	80.54	80.79	85.97	301.48	65.06
	4	64.90	131.58	69.49	136.63	71.92
	5	56.38	101.20	54.68	99.61	73.82
	6	55.45	68.25	134.47	117.82	65.88
11	1	66.28	90.95	97.96	77.23	53.82
	2	61.88	64.17	99.90	68.36	48.37
	3	55.57	65.83	77.63	57.85	45.58
	4	56.60	55.61	61.08	47.73	44.36
	5	47.23	60.18	57.20	52.81	47.88
	6	43.27	54.44	74.91	93.94	41.73
12	1	40.86	52.81	109.26	77.56	49.32
	2	43.02	51.83	61.81	51.60	79.98
	3	39.23	53.55	62.49	49.57	65.06
	4	38.14	54.22	53.91	50.29	43.04
	5	38.87	46.21	56.90	53.54	48.77
	6	36.84	47.02	51.42	51.88	53.43
1	1	39.16	45.96	46.54	48.51	38.68
	2	43.39	43.11	48.14	54.56	59.49
	3	51.58	40.94	46.75	51.89	48.97
	4	55.36	40.19	46.12	50.08	42.07
	5	66.48	40.62	46.74	48.30	40.02
	6	50.97	39.02	45.51	49.10	44.43
2	1	47.94	37.52	43.69	48.19	45.04
	2	49.80	36.99	42.57	46.24	50.43
	3	47.02	46.64	45.75	44.37	43.49
	4	75.60	53.31	84.37	43.30	65.12
	5	59.61	130.02	49.78	42.57	64.50
	6	64.65	108.24	48.61	55.57	54.09
3	1	93.55	91.21	52.57	89.88	54.85
	2	80.86	72.18	76.96	57.68	64.57
	3	73.15	76.06	77.65	80.36	51.91
	4	62.99	71.25	71.89	91.08	48.16
	5	56.29	82.54	166.95	92.77	53.64
	6	61.68	88.81	228.36	143.27	86.67

岩本地点流量データ (3/4)

単位: m³/s

年度 月・半旬		1993 (H05)	1994 (H06)	1995 (H07)	1996 (H08)	1997 (H09)
4	1	128.99	106.54	123.53	109.16	161.58
	2	84.28	155.36	168.97	87.15	379.22
	3	65.97	183.36	147.51	75.62	148.13
	4	132.33	198.42	235.31	164.95	118.89
	5	231.00	219.51	301.53	142.38	122.83
	6	200.23	199.52	305.20	324.67	160.52
5	1	210.61	251.88	377.84	458.66	204.45
	2	266.03	198.60	292.21	342.61	206.82
	3	383.56	207.81	302.51	286.26	168.57
	4	229.11	173.08	443.67	309.65	155.38
	5	219.25	128.05	234.75	283.81	201.42
	6	179.29	207.97	162.72	350.67	145.16
6	1	196.49	92.83	148.37	341.76	102.29
	2	139.50	94.25	182.59	229.65	90.85
	3	154.16	88.07	187.41	211.33	78.25
	4	152.91	80.09	291.57	187.69	106.18
	5	104.91	65.31	175.61	216.31	89.89
	6	112.74	65.75	178.81	210.87	123.39
7	1	204.44	53.68	144.82	138.17	71.95
	2	142.44	58.41	221.65	111.33	85.93
	3	173.56	45.72	358.13	93.74	73.28
	4	161.88	50.65	220.61	84.38	115.32
	5	128.94	30.32	151.22	87.20	73.83
	6	189.41	38.45	81.14	77.74	75.80
8	1	94.15	29.31	66.92	74.36	85.36
	2	95.80	24.13	65.29	70.20	94.07
	3	123.10	28.99	61.24	86.03	68.38
	4	142.31	34.40	60.60	73.01	48.55
	5	95.55	69.97	62.55	59.12	60.59
	6	151.04	35.93	59.72	74.20	65.88
9	1	108.51	28.31	51.11	50.92	51.17
	2	155.26	67.51	44.24	88.58	77.87
	3	185.26	58.09	46.05	61.60	91.72
	4	106.92	126.98	215.97	41.40	129.18
	5	84.78	91.42	54.34	130.11	82.96
	6	63.47	267.99	42.37	53.83	140.67
10	1	67.58	226.65	55.85	43.52	58.08
	2	81.97	83.83	47.92	65.63	50.11
	3	62.77	56.91	34.30	46.28	40.09
	4	48.90	41.65	32.10	48.05	34.12
	5	62.45	51.69	35.72	38.94	30.68
	6	91.10	36.58	32.81	35.74	42.18
11	1	69.68	32.23	30.88	44.65	39.82
	2	44.79	35.79	38.38	53.25	32.20
	3	124.05	29.02	45.17	44.97	42.09
	4	70.29	29.26	47.32	42.87	50.90
	5	64.17	28.96	42.45	45.37	80.95
	6	61.73	28.76	35.79	52.89	137.78
12	1	57.20	34.99	31.06	44.09	87.20
	2	50.99	45.86	33.85	42.54	96.77
	3	50.73	44.69	35.38	39.39	63.92
	4	43.32	36.51	30.98	54.07	59.09
	5	43.24	39.21	38.47	44.62	45.06
	6	43.08	42.83	39.46	45.65	43.56
1	1	33.87	36.76	33.61	40.04	35.44
	2	32.55	38.68	38.36	40.00	40.38
	3	35.47	39.90	32.52	29.07	34.27
	4	31.43	35.91	46.22	31.05	54.63
	5	31.01	40.66	32.86	35.94	41.65
	6	30.63	36.38	32.72	37.24	39.31
2	1	29.37	31.91	30.33	34.07	30.30
	2	35.64	32.20	32.44	30.84	31.51
	3	31.86	33.28	37.47	29.78	40.72
	4	30.59	32.42	36.49	29.98	44.71
	5	53.00	30.89	30.15	29.51	94.95
	6	34.27	28.16	29.57	44.82	77.34
3	1	34.39	30.03	35.87	40.58	76.67
	2	47.43	42.30	33.89	53.00	58.49
	3	43.63	39.72	40.43	60.82	79.38
	4	43.83	82.48	70.02	58.67	68.59
	5	61.41	83.50	109.63	61.93	70.93
	6	50.46	106.45	109.09	90.55	106.94

岩本地点流量データ (4/4)

単位: m³/s

年度 月・半旬	1998 (H10)	1999 (H11)	2000 (H12)	2001 (H13)	2002 (H14)	
4	1	97.45	90.93	94.50	59.41	45.89
	2	203.36	92.12	150.56	159.62	100.91
	3	394.57	196.09	208.79	223.70	100.48
	4	301.54	165.27	135.83	184.82	196.97
	5	256.11	257.92	379.54	132.60	270.58
	6	187.22	294.38	212.70	186.37	236.07
5	1	161.86	218.58	310.55	192.30	219.75
	2	122.78	214.80	352.17	238.82	218.45
	3	121.35	161.34	370.09	213.10	178.59
	4	84.87	139.81	305.17	186.53	246.61
	5	83.50	128.39	277.95	192.77	176.43
	6	63.76	121.55	251.15	141.55	223.99
6	1	51.47	97.01	171.47	102.00	278.75
	2	61.06	74.78	143.57	86.23	250.51
	3	47.43	74.02	137.77	114.74	169.29
	4	48.34	97.44	115.67	124.81	109.75
	5	80.87	65.95	141.58	90.69	53.97
	6	47.69	151.30	135.79	98.97	31.68
7	1	48.46	115.97	136.83	90.96	28.20
	2	58.41	73.79	139.72	55.24	181.70
	3	50.42	225.74	74.35	67.37	387.76
	4	38.36	230.53	82.69	75.79	121.44
	5	51.06	123.88	68.25	45.74	71.20
	6	58.95	63.98	54.53	33.51	58.14
8	1	101.58	49.25	68.34	69.00	59.65
	2	74.96	40.41	92.17	63.21	71.51
	3	88.72	155.92	70.93	90.88	128.53
	4	136.54	104.22	53.01	48.42	142.71
	5	75.71	112.53	41.25	367.96	64.61
	6	844.72	70.58	36.75	224.05	63.83
9	1	299.23	58.20	45.52	143.58	86.11
	2	171.28	43.09	154.63	172.74	63.87
	3	153.37	96.49	407.14	474.36	50.66
	4	399.33	139.25	170.33	108.65	59.17
	5	222.94	293.02	94.89	62.97	57.25
	6	135.59	83.17	78.69	55.02	53.62
10	1	125.56	57.02	76.09	65.91	62.17
	2	102.00	44.48	49.39	62.62	56.42
	3	78.16	46.83	43.08	83.55	56.86
	4	177.38	36.84	55.25	50.00	87.48
	5	117.22	30.72	73.17	58.28	113.03
	6	76.65	118.40	59.64	54.30	104.95
11	1	61.32	74.42	94.97	55.76	59.12
	2	56.47	45.07	51.58	65.70	34.30
	3	57.82	49.38	45.55	44.96	19.50
	4	50.97	70.36	64.57	41.00	23.38
	5	42.36	53.83	67.51	37.63	20.29
	6	45.87	40.95	46.41	43.12	24.59
12	1	45.74	46.21	45.81	44.60	52.30
	2	47.42	55.83	42.68	40.43	61.27
	3	35.22	47.92	42.83	41.21	40.21
	4	40.81	39.33	41.67	38.02	48.52
	5	40.00	38.99	41.80	35.32	38.86
	6	35.37	41.11	38.37	32.69	55.60
1	1	37.91	40.53	33.98	59.34	62.95
	2	40.78	54.41	39.52	57.41	50.76
	3	41.91	58.11	32.00	69.88	55.93
	4	41.88	43.94	30.64	72.79	61.82
	5	40.50	39.37	28.68	102.75	54.40
	6	39.60	35.92	28.92	87.76	69.75
2	1	37.85	33.92	26.64	80.76	67.96
	2	36.32	36.29	28.06	77.70	73.26
	3	33.03	33.49	23.01	65.63	70.57
	4	41.33	34.13	26.94	69.43	65.70
	5	35.63	34.70	45.02	78.02	73.64
	6	34.49	33.56	37.02	77.98	99.70
3	1	49.40	37.30	46.18	100.57	107.82
	2	53.36	40.36	31.99	89.89	111.88
	3	85.63	34.71	31.96	73.62	99.05
	4	187.50	42.64	46.39	56.04	73.48
	5	90.88	49.17	105.77	57.92	50.46
	6	121.14	105.57	114.11	6.31	19.94

吾妻地点流量データ (1/4)

単位: m³/s

年度 月・半旬	1983 (S58)	1984 (S59)	1985 (S60)	1986 (S61)	1987 (S62)	
4	1	60.76	38.37	51.01	28.31	30.91
	2	53.68	51.01	61.60	28.70	41.62
	3	80.98	40.07	77.75	34.80	41.84
	4	99.51	52.86	58.88	32.08	33.50
	5	77.01	62.39	77.12	102.27	38.59
	6	63.73	59.67	59.13	41.63	31.50
5	1	51.37	129.64	50.91	37.59	31.35
	2	46.81	69.12	49.92	37.51	26.59
	3	36.95	59.46	40.95	62.53	39.75
	4	93.79	52.48	35.05	58.93	36.26
	5	48.23	42.64	36.53	46.43	39.15
	6	36.14	41.60	34.53	42.54	32.06
6	1	32.39	40.58	28.75	44.31	27.04
	2	31.30	34.89	30.43	38.81	26.44
	3	34.56	33.08	48.70	31.86	23.79
	4	34.27	33.64	45.20	42.09	32.18
	5	76.23	45.38	137.38	38.65	47.74
	6	42.36	83.01	175.41	71.18	28.09
7	1	97.57	47.65	346.27	66.84	54.63
	2	102.86	52.45	103.88	55.43	55.25
	3	66.02	53.33	208.71	62.69	60.06
	4	71.48	138.06	101.93	62.02	128.85
	5	97.41	103.64	128.43	54.20	58.03
	6	99.69	170.87	66.35	43.11	38.61
8	1	70.00	74.40	59.26	58.98	33.63
	2	55.33	55.87	68.49	50.45	38.27
	3	53.78	47.05	67.75	40.24	57.50
	4	659.86	38.33	50.69	41.34	69.11
	5	163.56	35.34	43.41	49.64	59.07
	6	86.59	32.66	39.18	38.03	49.19
9	1	65.62	29.87	36.67	229.04	47.99
	2	89.90	30.70	39.40	60.75	172.59
	3	66.66	30.40	35.23	48.69	126.90
	4	74.91	32.51	40.40	52.25	64.85
	5	90.63	34.80	93.20	43.61	55.99
	6	349.05	28.36	117.71	39.26	54.41
10	1	128.01	28.04	81.60	42.02	43.43
	2	89.41	25.62	85.47	39.38	35.44
	3	70.60	27.34	62.94	40.26	32.24
	4	60.99	28.49	53.63	35.10	39.27
	5	51.38	28.25	45.67	32.71	32.17
	6	49.80	22.08	41.15	30.71	29.43
11	1	44.30	22.08	38.15	30.24	30.04
	2	42.67	20.65	47.99	29.58	27.14
	3	40.12	21.57	40.16	28.70	25.40
	4	39.17	23.51	36.26	26.95	25.12
	5	38.27	22.36	33.92	26.30	25.81
	6	37.37	21.79	33.92	26.38	30.22
12	1	36.32	21.98	32.63	21.04	32.17
	2	34.83	22.74	31.56	25.01	24.31
	3	34.46	22.62	30.24	26.08	25.02
	4	34.14	21.94	30.74	28.25	22.76
	5	32.33	23.50	28.71	25.97	22.36
	6	29.78	21.77	29.67	24.51	21.62
1	1	28.78	21.17	30.65	24.73	21.66
	2	29.23	20.75	29.11	24.59	21.35
	3	29.58	20.78	28.82	23.75	20.93
	4	28.27	20.06	28.74	23.75	20.44
	5	27.55	20.17	28.36	23.82	21.17
	6	27.05	19.64	27.70	22.69	20.26
2	1	26.73	20.17	27.51	22.97	19.46
	2	26.94	24.86	27.25	23.58	20.14
	3	25.39	24.50	26.84	28.53	19.29
	4	25.93	21.83	27.00	23.33	18.65
	5	25.95	22.26	26.47	22.78	18.65
	6	24.72	22.34	25.39	23.87	18.41
3	1	24.87	27.57	25.61	27.88	18.78
	2	25.21	27.77	26.61	24.32	28.82
	3	24.33	28.50	27.21	38.91	32.62
	4	24.97	35.22	27.18	41.01	34.03
	5	24.44	37.47	26.62	61.62	44.09
	6	27.52	47.26	27.32	45.51	39.92

吾妻地点流量データ (2/4)

単位: m³/s

年度 月・半旬	1988 (S63)	1989 (H01)	1990 (H02)	1991 (H03)	1992 (H04)	
4	1	37.65	40.66	50.55	82.15	62.26
	2	45.03	60.20	62.36	137.72	62.21
	3	52.60	63.81	63.36	120.91	63.85
	4	69.96	69.18	65.28	99.41	55.98
	5	75.68	71.60	112.28	80.76	54.99
	6	55.93	60.92	77.49	71.71	53.78
5	1	60.65	53.25	59.51	57.49	57.15
	2	51.77	64.59	79.49	48.87	51.55
	3	61.28	113.79	60.87	47.60	49.65
	4	61.75	71.41	54.07	44.40	54.84
	5	102.38	64.34	43.00	40.79	50.93
	6	64.65	93.40	36.27	36.20	53.14
6	1	156.03	55.46	35.46	46.76	53.90
	2	85.67	48.63	34.82	40.62	56.64
	3	53.54	43.25	35.93	36.00	50.09
	4	70.60	116.50	33.65	38.55	45.88
	5	53.51	101.76	35.77	75.29	67.83
	6	169.92	198.67	38.88	52.58	60.08
7	1	186.21	116.83	68.52	118.24	62.34
	2	84.35	82.91	48.96	72.43	50.72
	3	66.81	83.69	41.72	70.52	51.68
	4	113.18	134.08	35.82	83.92	117.38
	5	98.55	99.12	39.09	56.98	76.62
	6	101.84	241.15	32.95	45.41	48.84
8	1	71.10	190.01	27.71	57.65	48.86
	2	65.54	103.06	131.21	62.21	45.34
	3	213.12	94.14	111.50	54.45	63.77
	4	210.37	138.52	42.72	51.54	50.07
	5	201.28	84.61	34.08	396.72	60.14
	6	309.27	276.99	30.47	185.13	64.44
9	1	190.44	182.78	27.88	257.43	42.25
	2	266.34	232.26	33.22	97.74	34.98
	3	235.43	162.11	32.23	138.22	31.49
	4	136.03	155.89	106.00	240.35	31.70
	5	154.19	149.26	78.69	184.94	29.16
	6	212.56	83.54	83.09	125.72	31.97
10	1	124.04	69.45	158.32	230.89	30.56
	2	131.71	63.89	127.22	162.15	78.13
	3	83.43	68.50	80.91	244.76	56.65
	4	67.81	67.28	60.99	148.44	67.91
	5	59.32	61.41	48.03	114.31	88.15
	6	56.26	51.40	76.45	134.26	44.09
11	1	53.71	51.02	79.83	96.14	35.14
	2	50.77	49.50	78.67	94.70	35.02
	3	44.34	44.49	64.66	86.19	30.50
	4	43.34	40.29	50.31	80.37	29.14
	5	39.75	37.46	46.24	76.57	31.43
	6	38.24	35.78	84.76	84.45	29.09
12	1	37.13	34.82	183.06	75.88	27.22
	2	36.15	33.82	66.16	64.93	31.59
	3	33.60	35.35	60.14	57.75	28.99
	4	32.22	31.90	47.09	55.68	26.13
	5	32.38	31.66	43.30	40.51	25.65
	6	29.71	30.94	38.68	39.34	25.25
1	1	29.32	30.60	36.41	37.00	24.47
	2	32.02	30.38	35.96	37.48	27.76
	3	31.30	30.83	34.80	35.84	26.50
	4	31.09	32.03	32.95	34.74	27.36
	5	39.75	29.83	34.27	33.92	25.13
	6	31.35	29.15	31.64	33.65	26.60
2	1	31.17	28.95	30.45	35.14	25.47
	2	31.83	28.98	29.76	33.15	30.06
	3	30.89	33.50	29.78	32.26	25.75
	4	45.47	34.26	48.66	30.93	29.84
	5	37.68	54.79	36.08	25.74	29.25
	6	44.90	54.88	33.19	31.45	27.52
3	1	53.40	52.68	33.40	38.43	27.37
	2	54.25	57.78	40.14	36.81	27.92
	3	47.67	62.44	44.53	36.57	29.50
	4	44.88	39.03	38.73	39.01	32.36
	5	40.04	37.15	79.34	41.21	32.62
	6	42.54	39.53	101.12	57.15	35.56

吾妻地点流量データ (3/4)

単位: m³/s

年度 月・半旬	1993 (H05)	1994 (H06)	1995 (H07)	1996 (H08)	1997 (H09)	
4	1	40.44	27.72	57.36	44.44	40.88
	2	37.80	36.49	55.92	32.25	107.62
	3	31.97	53.88	51.21	30.49	50.51
	4	36.17	33.58	59.32	51.32	39.93
	5	50.00	34.31	78.93	39.96	35.48
	6	50.95	33.05	60.70	51.42	34.53
5	1	59.15	37.96	99.64	91.17	36.82
	2	63.99	37.88	59.71	91.09	41.64
	3	119.16	38.15	129.78	67.15	37.07
	4	70.32	54.78	164.92	50.96	34.36
	5	48.73	33.96	69.31	49.94	89.72
	6	38.65	61.52	52.36	43.58	64.33
6	1	42.47	38.25	60.41	40.22	39.74
	2	37.58	33.77	71.05	34.66	35.44
	3	34.69	41.92	156.29	32.54	30.62
	4	53.10	58.20	200.20	34.09	36.81
	5	64.37	50.10	87.52	79.92	49.32
	6	54.61	37.49	115.27	96.24	78.56
7	1	202.24	35.68	110.18	44.43	45.43
	2	149.87	32.88	240.27	44.99	35.44
	3	102.00	30.34	222.87	36.24	40.13
	4	117.05	40.73	120.47	35.00	51.90
	5	95.08	35.36	81.33	42.70	33.49
	6	154.83	33.90	57.09	52.16	81.54
8	1	74.82	28.85	48.73	37.49	107.93
	2	80.90	25.15	41.48	29.18	85.78
	3	101.65	23.52	39.05	29.59	54.96
	4	124.93	25.99	37.64	28.01	42.90
	5	88.87	54.73	43.86	28.57	36.92
	6	118.61	43.39	37.89	52.75	48.35
9	1	101.48	37.16	36.82	33.70	38.26
	2	176.74	45.49	31.02	62.69	63.53
	3	207.41	41.94	33.46	57.55	70.37
	4	124.97	373.85	95.61	42.50	113.33
	5	95.86	112.77	38.20	83.47	67.97
	6	68.41	320.74	33.77	46.17	143.39
10	1	71.23	265.16	38.06	41.28	57.56
	2	83.67	122.94	35.74	60.79	45.25
	3	64.86	75.02	33.33	44.82	36.98
	4	54.72	52.50	32.30	37.22	34.18
	5	49.38	61.86	33.24	33.36	31.40
	6	55.80	44.23	31.02	30.15	29.04
11	1	48.57	43.16	28.79	38.43	26.61
	2	46.05	44.11	32.98	37.01	27.18
	3	110.45	38.10	29.65	38.32	27.64
	4	64.87	36.72	28.52	35.75	30.45
	5	53.85	33.43	27.90	33.37	28.00
	6	44.02	31.80	27.12	31.01	46.62
12	1	42.36	28.90	27.00	30.32	43.29
	2	40.52	28.96	26.38	31.51	41.19
	3	40.04	29.65	26.74	27.03	36.25
	4	35.70	26.01	24.39	27.44	32.44
	5	35.01	25.99	22.20	25.39	29.76
	6	30.54	27.28	22.73	23.88	26.10
1	1	30.47	26.56	21.86	23.15	24.85
	2	28.96	26.73	22.88	26.31	26.45
	3	30.67	25.60	21.49	22.96	26.70
	4	31.81	26.01	25.32	23.82	27.73
	5	29.54	26.77	21.21	23.99	25.78
	6	27.77	25.35	20.79	22.81	25.20
2	1	25.43	23.89	22.99	22.35	23.66
	2	27.82	24.55	23.82	22.40	24.22
	3	27.19	24.44	23.97	22.59	29.83
	4	27.42	23.20	23.21	23.46	30.11
	5	35.35	23.37	22.19	21.58	51.47
	6	27.86	24.50	22.77	26.16	44.22
3	1	28.17	23.49	23.07	25.39	60.99
	2	32.47	22.95	23.37	29.28	43.84
	3	30.28	28.59	23.61	29.72	39.88
	4	28.38	32.72	31.92	30.05	35.14
	5	31.60	33.35	35.84	29.96	40.48
	6	28.39	50.95	38.75	34.82	45.87

吾妻地点流量データ (4/4)

単位: m³/s

年度 月・半旬	1998 (H10)	1999 (H11)	2000 (H12)	2001 (H13)	2002 (H14)	
4	1	62.03	37.92	30.50	36.81	48.25
	2	125.10	33.51	35.08	40.77	46.00
	3	190.89	71.24	64.62	50.95	47.18
	4	164.25	50.40	43.32	42.04	48.88
	5	93.45	61.63	106.33	38.26	56.05
	6	72.78	68.72	70.78	36.11	42.93
5	1	69.53	51.05	76.03	39.40	38.78
	2	56.00	52.39	65.04	38.46	40.57
	3	60.54	39.31	66.51	34.71	44.59
	4	50.12	37.92	83.19	32.53	58.89
	5	46.97	36.92	66.08	50.76	47.41
	6	50.91	59.65	49.01	48.87	37.79
6	1	43.31	38.63	45.06	47.71	33.21
	2	44.24	34.53	43.21	43.64	29.44
	3	67.80	35.53	48.19	80.92	32.36
	4	60.41	43.35	40.96	97.12	36.64
	5	102.30	40.57	63.01	56.90	36.85
	6	59.96	193.13	66.44	53.19	41.32
7	1	43.36	155.57	75.68	53.35	41.77
	2	45.50	85.15	63.73	38.90	100.61
	3	40.75	283.87	47.85	35.64	218.73
	4	33.43	266.52	50.75	41.81	144.14
	5	49.49	170.21	42.58	40.37	90.42
	6	80.21	87.42	40.11	35.28	54.99
8	1	78.82	62.12	54.29	31.01	77.84
	2	50.46	64.28	80.67	35.79	50.89
	3	46.00	366.83	56.05	80.71	51.40
	4	62.33	402.33	47.09	47.34	69.35
	5	56.81	236.07	42.62	293.48	52.18
	6	334.77	107.83	38.68	158.50	41.94
9	1	216.80	79.63	32.44	109.04	39.33
	2	125.64	67.43	85.76	229.27	57.34
	3	89.50	89.23	219.36	501.43	53.43
	4	331.27	107.20	240.77	108.81	75.66
	5	193.79	301.49	96.81	81.90	47.34
	6	154.28	109.93	64.75	61.86	44.27
10	1	127.12	76.12	56.85	63.96	165.64
	2	94.80	61.90	44.74	67.10	66.73
	3	75.90	52.04	39.27	106.37	49.75
	4	133.29	46.51	39.11	58.79	45.57
	5	110.18	40.97	49.60	56.34	58.61
	6	76.97	81.41	41.04	44.47	42.42
11	1	63.39	52.97	62.05	40.49	37.16
	2	56.95	44.97	46.82	44.00	37.47
	3	51.72	43.25	39.31	36.48	35.20
	4	46.58	44.77	39.29	32.55	31.88
	5	41.59	38.20	39.80	30.30	32.64
	6	39.32	36.05	35.22	30.50	34.72
12	1	39.81	34.86	35.43	29.39	30.79
	2	39.27	35.45	33.93	28.02	31.12
	3	35.45	33.02	33.43	27.79	29.77
	4	35.00	31.96	29.21	17.92	31.52
	5	33.90	30.54	28.11	26.86	30.36
	6	30.43	29.04	26.17	28.36	28.07
1	1	29.13	28.11	27.74	27.91	26.97
	2	29.91	30.03	27.84	28.91	28.33
	3	29.66	30.57	25.99	29.00	26.61
	4	28.82	28.46	27.43	30.39	26.62
	5	27.80	26.69	27.27	45.88	26.94
	6	27.30	25.98	27.90	34.20	28.13
2	1	27.82	25.98	26.73	30.57	25.57
	2	26.40	26.06	27.15	31.11	25.98
	3	24.19	24.84	25.64	28.88	26.52
	4	26.53	24.55	25.95	27.41	24.30
	5	26.85	24.76	30.58	25.25	26.11
	6	27.72	24.89	29.06	9.32	27.92
3	1	27.00	24.53	32.22	31.69	29.03
	2	27.38	24.54	28.60	36.58	30.39
	3	25.77	22.74	26.55	33.81	27.51
	4	55.47	24.53	30.66	37.64	28.54
	5	38.18	26.31	41.06	35.39	28.79
	6	42.61	30.96	51.25	42.48	39.20

渋川地点流量データ (1/4)

単位: m³/s

年度 月・半旬		1983 (S58)	1984 (S59)	1985 (S60)	1986 (S61)	1987 (S62)
4	1	232.05	127.81	217.34	113.38	116.65
	2	230.53	180.90	257.76	128.24	233.15
	3	356.08	155.23	294.80	171.53	174.36
	4	349.59	297.99	229.71	204.74	167.61
	5	276.50	322.69	334.80	455.92	237.15
	6	258.08	370.63	244.38	339.08	173.14
5	1	188.78	514.02	235.87	238.46	194.31
	2	173.72	387.66	250.74	264.18	146.20
	3	146.40	348.78	171.00	267.50	208.10
	4	234.62	304.08	144.04	264.62	169.59
	5	139.02	270.32	156.41	190.08	194.20
	6	106.76	269.35	120.10	177.28	133.43
6	1	94.18	245.31	93.02	178.62	116.45
	2	101.07	218.50	98.82	134.09	114.58
	3	105.36	181.34	133.73	98.25	82.81
	4	114.81	184.42	121.51	155.46	97.03
	5	166.39	167.53	314.77	124.85	116.12
	6	99.55	262.78	403.38	237.00	79.05
7	1	241.61	168.58	726.18	223.31	133.02
	2	213.87	218.63	312.13	153.37	114.54
	3	129.18	157.79	393.59	171.51	140.36
	4	163.24	245.00	215.99	176.83	233.83
	5	290.48	197.33	251.35	168.38	129.48
	6	504.37	297.28	127.66	109.82	114.01
8	1	207.05	143.60	109.26	205.37	92.46
	2	113.66	118.51	120.61	162.34	90.30
	3	116.33	96.48	133.35	92.88	126.71
	4	1078.89	75.35	85.16	104.36	149.26
	5	330.45	81.69	82.84	110.11	120.17
	6	153.73	92.22	88.91	81.48	100.54
9	1	105.36	90.45	68.92	378.41	96.85
	2	139.88	75.86	81.80	129.54	242.65
	3	137.67	73.16	72.60	118.35	231.81
	4	155.20	74.19	98.63	125.35	114.64
	5	182.82	72.12	208.56	101.18	108.10
	6	719.04	59.55	228.46	83.06	112.93
10	1	258.08	70.66	154.71	95.68	84.83
	2	183.77	59.87	189.90	82.65	71.52
	3	137.22	59.42	153.32	94.00	63.72
	4	132.82	58.90	115.51	105.32	91.58
	5	114.52	61.78	101.66	112.13	74.16
	6	129.41	55.95	96.58	88.51	67.14
11	1	102.20	61.22	95.39	83.77	66.21
	2	97.20	65.02	134.30	84.63	74.19
	3	83.78	66.98	101.62	99.05	68.28
	4	85.72	66.33	83.54	83.19	65.63
	5	89.87	60.16	97.12	81.72	70.38
	6	85.62	56.09	95.10	77.70	68.49
12	1	84.45	57.45	88.70	64.90	67.85
	2	81.94	56.56	85.62	67.63	56.21
	3	69.62	78.84	76.16	70.45	63.05
	4	58.02	62.83	75.27	90.37	57.47
	5	64.43	58.28	68.61	82.31	56.12
	6	55.71	55.72	73.33	73.47	62.97
1	1	68.63	46.38	68.81	61.57	52.32
	2	72.51	46.34	68.00	70.78	59.48
	3	71.34	46.48	67.30	65.39	56.90
	4	69.64	45.57	65.85	65.79	55.73
	5	66.16	44.95	67.32	68.17	63.61
	6	67.70	43.78	64.16	64.45	55.55
2	1	63.05	44.77	62.24	62.28	52.75
	2	65.81	70.71	60.74	65.09	51.44
	3	59.38	64.08	61.87	92.62	49.17
	4	59.79	50.06	58.53	69.67	49.31
	5	62.04	52.81	57.26	64.96	47.86
	6	62.43	50.75	58.49	69.09	46.45
3	1	55.94	65.37	59.22	70.67	51.38
	2	59.08	70.97	69.29	68.73	58.52
	3	57.44	70.21	76.29	93.44	80.73
	4	51.74	111.11	81.05	104.38	79.61
	5	55.05	110.59	78.40	270.56	105.41
	6	72.93	164.48	83.79	162.05	89.58

渋川地点流量データ (2/4)

単位: m³/s

年度 月・半旬	1988 (S63)	1989 (H01)	1990 (H02)	1991 (H03)	1992 (H04)	
4	1	104.20	145.57	250.70	258.22	296.43
	2	118.22	287.23	212.05	461.35	285.80
	3	170.83	242.59	279.93	451.56	226.58
	4	251.84	291.53	218.04	376.31	188.08
	5	281.40	296.27	423.93	283.25	214.21
	6	262.44	225.60	286.19	311.15	234.42
5	1	280.94	215.04	229.06	233.47	230.05
	2	200.06	270.12	307.00	201.91	216.55
	3	268.39	370.53	264.85	213.90	214.49
	4	266.54	239.84	207.88	223.36	240.90
	5	333.31	234.65	156.30	223.94	223.66
	6	203.05	310.84	133.90	174.87	205.14
6	1	359.48	186.41	132.73	165.91	215.96
	2	212.41	160.01	119.19	139.35	208.06
	3	144.89	126.09	125.58	150.08	151.17
	4	168.49	260.96	117.47	151.22	143.73
	5	129.56	243.85	128.47	189.58	235.12
	6	297.65	401.09	148.82	146.88	170.43
7	1	336.07	265.66	183.53	247.01	176.90
	2	200.56	185.38	140.30	153.07	120.91
	3	168.13	204.39	113.34	165.81	183.75
	4	220.11	256.59	105.09	206.04	282.41
	5	184.51	212.27	100.77	151.90	169.94
	6	220.68	338.07	78.21	117.97	114.93
8	1	149.31	286.53	70.20	181.82	116.65
	2	149.71	219.72	266.60	176.68	113.31
	3	341.14	176.22	203.17	128.83	150.22
	4	305.57	276.99	92.33	152.50	108.28
	5	286.91	161.45	76.50	673.74	117.62
	6	438.70	457.42	73.84	423.75	142.29
9	1	310.31	433.68	66.46	462.76	120.22
	2	472.17	453.24	91.73	219.35	96.31
	3	441.40	295.97	89.83	276.53	79.12
	4	262.54	354.91	321.44	497.04	73.47
	5	312.89	330.20	196.56	358.64	73.18
	6	421.17	187.94	189.23	248.57	88.48
10	1	241.36	149.85	255.55	412.43	76.08
	2	244.41	150.27	276.58	321.89	166.10
	3	172.40	157.55	175.78	576.91	128.38
	4	139.51	211.72	137.61	299.48	147.28
	5	121.61	172.62	108.32	224.51	169.86
	6	117.50	126.54	224.17	264.59	116.54
11	1	126.73	150.92	187.76	181.68	94.33
	2	118.95	120.16	188.70	170.54	88.26
	3	105.56	116.89	150.20	150.46	80.63
	4	105.67	101.49	117.61	133.51	77.91
	5	91.81	103.61	109.26	135.21	84.08
	6	85.95	95.64	167.62	188.06	75.00
12	1	82.20	92.89	304.71	161.51	81.38
	2	83.57	90.81	134.48	122.09	119.26
	3	76.85	94.25	129.12	112.61	100.34
	4	74.26	91.47	106.52	111.28	73.43
	5	75.21	82.49	105.95	99.46	79.19
	6	70.29	82.65	95.29	96.46	83.87
1	1	72.44	81.14	87.67	90.41	66.99
	2	79.79	77.82	88.95	97.50	93.02
	3	87.99	75.91	86.27	92.93	80.27
	4	91.90	76.30	83.70	89.84	73.62
	5	112.80	74.54	85.71	87.06	69.13
	6	87.37	72.11	81.70	87.67	75.43
2	1	83.88	70.28	78.52	88.18	74.95
	2	86.59	69.72	76.59	84.04	85.48
	3	82.60	84.83	80.09	81.09	73.54
	4	128.54	92.87	141.35	78.58	101.28
	5	103.21	197.35	90.87	72.52	100.01
	6	116.02	173.70	86.67	92.49	86.89
3	1	156.16	152.88	91.19	137.00	87.57
	2	143.18	137.30	124.63	100.22	98.73
	3	128.10	146.25	129.83	124.72	86.52
	4	114.20	117.28	117.67	138.89	85.32
	5	101.99	127.68	262.52	142.96	91.57
	6	110.40	136.94	351.59	214.20	130.58

渋川地点流量データ (3/4)

単位: m³/s

年度 月・半旬	1993 (H05)	1994 (H06)	1995 (H07)	1996 (H08)	1997 (H09)	
4	1	181.68	144.30	192.88	164.12	217.68
	2	130.25	206.45	240.99	127.75	522.73
	3	104.36	254.62	212.81	113.39	212.78
	4	181.00	250.47	316.80	231.94	170.16
	5	302.65	274.21	408.90	195.81	169.95
	6	270.05	251.14	394.43	406.26	210.09
5	1	289.68	313.23	513.13	592.70	260.33
	2	355.04	255.03	379.26	466.04	267.79
	3	539.16	265.34	461.50	380.31	221.45
	4	321.18	244.31	651.10	389.41	204.32
	5	288.55	174.09	326.31	360.19	310.64
	6	234.74	289.21	230.56	426.68	223.53
6	1	257.38	140.03	223.07	413.56	151.85
	2	190.25	137.04	271.18	285.63	135.02
	3	203.31	138.55	362.82	263.50	116.39
	4	220.61	146.34	520.94	239.28	153.13
	5	179.68	122.02	280.25	316.95	148.04
	6	178.32	109.71	311.87	327.55	214.21
7	1	427.98	94.72	269.63	195.75	124.52
	2	307.27	97.03	485.29	167.04	129.65
	3	292.70	80.62	616.52	138.98	120.61
	4	295.21	96.53	362.74	127.51	178.39
	5	237.02	68.91	247.39	138.40	114.47
	6	363.53	76.30	146.37	137.66	165.32
8	1	178.53	61.21	122.38	119.11	202.49
	2	186.49	51.81	113.27	106.15	189.55
	3	237.30	55.46	106.37	123.83	130.29
	4	281.85	63.87	104.25	108.03	96.44
	5	194.29	131.79	112.68	93.44	103.51
	6	284.96	83.17	103.54	134.40	120.86
9	1	221.21	68.54	93.07	89.70	94.59
	2	348.48	119.75	79.69	160.16	149.33
	3	412.29	105.86	84.14	125.52	171.37
	4	243.29	517.40	332.48	88.24	255.77
	5	189.62	214.01	97.98	226.51	159.38
	6	138.56	617.39	80.43	105.52	298.77
10	1	145.91	515.97	99.50	89.32	121.69
	2	174.22	216.04	88.50	133.20	100.52
	3	134.21	138.11	71.19	95.90	81.21
	4	108.80	98.64	67.74	90.12	71.86
	5	118.16	119.08	72.65	76.29	65.28
	6	155.92	84.73	67.23	69.54	75.45
11	1	125.24	78.90	62.86	87.65	70.40
	2	95.53	83.74	75.29	95.59	62.68
	3	247.25	70.27	79.32	87.89	73.92
	4	142.42	69.14	80.52	82.99	86.39
	5	124.58	65.47	74.57	83.31	116.68
	6	111.95	63.60	66.53	89.12	197.54
12	1	105.33	67.45	61.25	78.82	138.99
	2	96.69	79.37	63.66	78.34	147.31
	3	95.91	78.80	65.69	70.36	106.46
	4	83.44	66.19	58.51	86.79	97.33
	5	82.65	69.11	64.46	74.40	79.32
	6	77.94	74.36	66.08	74.00	73.97
1	1	67.83	67.01	58.82	67.14	63.85
	2	64.86	69.28	65.04	70.29	70.85
	3	69.77	69.47	57.25	54.98	64.45
	4	66.52	65.53	76.08	58.01	87.70
	5	63.76	71.48	57.34	63.51	71.56
	6	61.55	65.37	56.76	63.74	68.42
2	1	57.81	59.02	56.38	59.82	57.03
	2	67.08	60.00	59.52	56.34	58.92
	3	62.31	61.07	65.16	55.37	74.65
	4	61.15	58.88	63.33	56.47	79.29
	5	93.64	57.37	55.38	54.06	155.73
	6	65.62	55.54	55.33	75.41	129.18
3	1	66.06	56.57	62.51	69.99	145.45
	2	84.64	69.40	60.66	87.49	108.24
	3	78.28	72.30	68.02	96.46	127.00
	4	76.58	123.13	108.73	94.46	110.44
	5	99.01	124.88	155.91	97.92	118.39
	6	83.81	167.75	158.27	134.05	163.14

波川地点流量データ (4/4)

単位: m³/s

年度		1998	1999	2000	2001	2002
月・半旬		(H10)	(H11)	(H12)	(H13)	(H14)
4	1	169.16	137.62	133.99	102.12	98.96
	2	348.61	134.44	199.78	215.43	156.69
	3	623.86	286.10	293.24	295.65	157.41
	4	495.40	231.35	192.07	244.22	264.39
	5	374.07	343.79	521.77	183.42	351.96
	6	277.98	390.75	303.75	239.89	301.02
5	1	247.02	290.16	415.80	249.69	279.02
	2	190.68	287.39	450.07	299.48	279.40
	3	193.73	215.83	471.10	267.62	240.01
	4	143.37	190.93	417.18	236.43	328.69
	5	138.68	177.47	370.16	261.72	240.50
	6	121.14	193.04	323.63	203.93	282.63
6	1	100.04	144.97	232.70	159.62	337.72
	2	111.44	116.56	200.40	138.29	303.09
	3	120.46	116.75	199.12	207.16	217.47
	4	113.95	150.22	167.68	234.58	156.86
	5	191.89	113.06	218.30	156.60	96.22
	6	112.79	360.77	215.46	161.86	76.43
7	1	96.81	284.17	225.96	153.28	73.09
	2	109.83	166.78	216.99	99.68	300.16
	3	96.30	533.94	129.60	109.61	644.65
	4	75.72	521.59	141.63	125.05	278.56
	5	105.86	307.63	117.61	90.80	169.30
	6	145.60	158.39	100.14	72.31	119.14
8	1	190.69	116.68	129.57	106.69	143.96
	2	132.91	109.22	182.29	105.22	129.58
	3	143.39	541.85	134.18	180.93	192.29
	4	212.10	521.44	105.55	100.79	225.95
	5	140.16	362.00	88.18	698.81	123.35
	6	1260.71	186.26	79.28	405.03	112.12
9	1	546.12	144.19	82.54	267.13	133.79
	2	314.16	115.34	255.59	420.78	127.78
	3	258.00	195.68	666.43	1025.62	109.42
	4	771.33	260.54	429.81	228.79	141.23
	5	439.58	625.18	201.63	151.69	110.43
	6	304.26	202.14	151.46	122.71	103.36
10	1	265.80	139.35	140.61	136.72	235.69
	2	207.35	111.25	99.22	136.30	129.18
	3	162.17	103.82	86.79	198.94	112.44
	4	328.57	87.32	99.91	114.12	141.61
	5	239.54	75.02	130.08	120.67	182.70
	6	161.61	211.66	106.65	104.30	157.47
11	1	131.14	134.86	166.48	101.86	102.15
	2	119.32	94.74	103.72	116.26	75.38
	3	115.49	97.70	89.53	86.02	56.94
	4	102.81	122.12	110.25	77.71	57.82
	5	88.36	97.42	113.97	71.76	55.21
	6	89.89	81.20	86.33	77.95	62.01
12	1	90.25	85.74	85.87	78.44	88.25
	2	91.53	96.84	80.94	72.50	98.37
	3	74.34	85.73	80.61	73.12	74.04
	4	79.98	75.29	75.06	59.63	84.87
	5	77.98	73.48	74.09	65.75	73.16
	6	69.42	74.28	68.38	64.40	89.10
1	1	70.87	72.71	65.18	93.02	96.00
	2	74.80	89.78	71.32	91.92	84.09
	3	75.78	94.37	61.25	105.62	87.98
	4	74.89	76.77	61.22	110.20	94.41
	5	72.36	69.99	58.91	158.58	86.64
	6	70.87	65.51	59.82	130.40	104.59
2	1	69.48	63.33	56.16	119.07	100.05
	2	66.37	66.00	58.12	116.28	106.24
	3	60.54	61.70	51.09	100.85	103.85
	4	71.97	62.11	55.69	103.51	96.29
	5	66.08	62.95	80.10	110.69	106.79
	6	65.71	61.83	69.83	94.51	137.05
3	1	81.26	65.55	83.03	141.81	147.04
	2	85.95	68.90	63.88	135.13	152.84
	3	119.51	60.91	61.77	114.58	135.92
	4	260.74	71.37	81.68	99.27	109.08
	5	137.83	80.30	156.99	99.05	84.22
	6	175.33	146.54	176.42	49.94	61.48

若泉地点流量データ (1/4)

単位: m³/s

年度		1983	1984	1985	1986	1987
月・半旬		(S58)	(S59)	(S60)	(S61)	(S62)
4	1	10.32	2.87	10.22	7.56	2.18
	2	6.45	3.80	11.78	5.21	1.97
	3	7.60	2.46	34.61	4.70	1.83
	4	15.21	4.65	15.64	4.36	1.62
	5	8.10	5.62	17.43	8.67	1.59
	6	5.33	3.33	12.98	8.06	1.63
5	1	4.10	6.63	7.89	6.18	1.43
	2	3.76	3.96	5.94	8.74	1.25
	3	3.48	3.13	4.79	12.60	3.89
	4	13.70	5.23	3.45	13.44	3.90
	5	7.07	3.63	5.27	9.98	3.23
	6	4.99	3.30	5.23	7.61	2.42
6	1	3.63	2.95	4.29	6.54	2.02
	2	2.96	2.42	3.21	5.84	1.12
	3	2.96	2.03	21.18	3.94	0.82
	4	4.41	3.79	19.90	6.19	1.38
	5	7.06	8.01	31.53	4.87	3.73
	6	3.27	23.44	84.52	8.91	1.97
7	1	7.91	11.32	80.90	12.75	4.89
	2	15.15	8.61	17.67	9.62	6.28
	3	12.26	6.13	15.19	11.18	6.56
	4	11.90	7.21	11.73	12.65	7.14
	5	9.46	12.49	14.81	11.02	9.48
	6	9.04	25.54	7.50	7.62	3.85
8	1	8.28	16.21	7.31	30.17	3.06
	2	7.85	21.09	5.72	19.19	4.50
	3	62.77	13.85	6.12	9.57	8.27
	4	194.33	6.53	4.54	9.93	9.22
	5	25.26	3.26	2.90	12.93	7.31
	6	12.98	3.08	4.73	9.58	4.36
9	1	9.27	2.14	3.57	112.31	5.60
	2	22.38	3.04	3.68	22.09	11.83
	3	12.79	2.96	3.17	13.46	22.06
	4	11.86	3.42	3.26	11.16	12.41
	5	19.16	3.26	6.37	8.51	10.68
	6	96.24	2.11	8.82	6.63	11.22
10	1	27.06	2.16	7.13	8.80	8.04
	2	13.59	1.69	5.05	8.34	5.68
	3	8.79	9.99	5.33	6.34	4.41
	4	7.11	7.44	4.09	4.67	7.41
	5	5.33	7.00	3.23	4.68	5.56
	6	4.55	3.62	2.98	4.35	4.80
11	1	3.83	2.76	2.61	3.14	5.08
	2	3.94	3.27	3.59	2.94	4.63
	3	3.32	3.05	2.53	2.60	3.77
	4	2.84	3.80	2.22	2.30	3.21
	5	2.92	3.31	2.46	2.25	2.81
	6	2.48	2.95	2.22	1.98	2.65
12	1	2.42	2.84	1.95	1.89	2.33
	2	2.47	1.93	2.16	1.76	2.62
	3	2.16	2.99	1.80	2.32	2.84
	4	1.87	2.41	1.66	3.20	2.28
	5	1.80	1.83	1.58	2.39	2.00
	6	1.56	1.63	1.58	1.91	1.88
1	1	1.64	1.55	1.54	1.76	1.81
	2	1.52	1.36	1.24	1.69	1.73
	3	1.55	1.43	1.26	1.46	1.59
	4	1.34	1.19	1.38	1.39	1.53
	5	1.54	1.25	1.17	1.60	1.55
	6	1.40	1.12	1.13	1.33	1.34
2	1	1.36	1.25	1.17	1.47	1.34
	2	1.09	2.72	1.01	1.40	1.23
	3	1.31	2.44	1.17	1.81	1.17
	4	1.31	2.32	1.23	1.48	1.07
	5	1.39	2.37	1.23	1.41	1.12
	6	1.33	2.50	1.25	1.23	1.30
3	1	1.24	3.78	1.13	1.26	1.72
	2	1.26	4.30	1.24	1.47	1.19
	3	1.20	4.62	1.96	1.68	1.45
	4	1.68	7.19	1.86	1.95	1.52
	5	1.26	8.10	2.49	4.18	4.62
	6	1.79	10.30	5.54	3.07	5.21

若泉地点流量データ (2/4)

単位: m³/s

年度 月・半旬		1988 (S63)	1989 (H01)	1990 (H02)	1991 (H03)	1992 (H04)
4	1	4.22	4.14	4.31	9.11	13.20
	2	7.03	6.66	3.53	15.15	15.70
	3	12.66	6.23	3.53	10.53	12.00
	4	10.06	5.26	8.12	6.75	7.79
	5	7.87	10.28	6.92	6.09	6.93
	6	5.31	10.40	4.98	5.94	6.51
5	1	4.45	6.88	4.04	4.67	5.25
	2	7.46	8.45	3.96	4.03	5.04
	3	6.94	18.92	3.90	4.22	4.03
	4	6.99	10.16	3.26	2.95	5.96
	5	12.88	8.74	2.72	2.74	5.60
	6	9.79	21.22	3.26	3.41	8.64
6	1	11.14	8.66	2.76	6.99	9.02
	2	8.06	8.10	1.87	5.42	8.84
	3	6.02	6.37	1.55	4.84	6.98
	4	7.15	22.46	1.61	7.52	8.59
	5	6.66	25.62	0.32	14.55	34.67
	6	37.40	26.87	0.36	9.10	20.26
7	1	24.76	16.66	1.46	7.81	18.46
	2	11.36	15.47	1.77	8.82	9.74
	3	8.59	29.41	2.92	17.10	10.77
	4	13.70	24.84	1.54	13.58	13.56
	5	13.06	20.14	2.03	7.85	8.77
	6	21.65	61.72	1.66	5.68	5.66
8	1	12.39	41.27	0.95	11.83	7.50
	2	13.05	74.90	46.42	7.57	5.17
	3	36.04	17.88	23.55	9.29	15.73
	4	58.22	19.00	7.70	37.05	7.26
	5	42.30	10.82	4.40	46.74	5.38
	6	55.08	40.86	3.54	28.95	4.76
9	1	18.25	22.04	2.67	25.20	3.61
	2	37.67	20.27	2.30	18.32	2.95
	3	21.03	17.70	3.31	25.75	2.29
	4	28.12	20.60	12.09	82.58	2.90
	5	35.11	20.83	6.88	32.34	2.35
	6	58.74	12.20	46.61	15.04	2.72
10	1	27.21	11.99	39.77	38.04	3.31
	2	19.40	23.31	32.46	39.77	18.12
	3	11.32	26.41	16.19	140.99	13.18
	4	7.92	15.47	9.21	26.00	22.58
	5	5.91	10.00	7.01	14.46	23.28
	6	4.85	7.19	6.57	21.25	8.93
11	1	3.96	5.56	10.93	11.47	5.86
	2	3.40	4.88	8.82	8.28	5.03
	3	3.06	4.18	6.24	5.96	4.44
	4	3.12	3.84	5.39	5.14	4.14
	5	2.65	3.23	4.17	4.31	5.41
	6	2.44	2.87	55.69	5.26	3.71
12	1	2.22	2.66	45.64	4.10	3.72
	2	2.15	2.43	13.41	3.49	3.55
	3	1.94	2.28	9.73	3.04	3.19
	4	1.76	2.05	6.76	2.78	2.95
	5	1.74	2.19	5.56	2.93	2.50
	6	1.60	1.98	4.57	2.73	2.41
1	1	1.54	1.78	4.11	2.30	2.21
	2	1.74	1.69	3.28	2.56	2.52
	3	1.67	1.56	2.86	2.05	2.57
	4	1.60	1.91	2.74	1.89	2.53
	5	2.50	1.57	3.10	1.89	2.69
	6	1.66	1.46	2.36	2.09	3.41
2	1	1.53	1.77	2.14	2.06	2.53
	2	2.02	1.70	2.06	1.80	4.34
	3	1.74	2.25	2.70	1.72	3.11
	4	5.49	2.46	2.98	1.63	3.40
	5	3.67	3.36	1.97	1.47	3.67
	6	5.35	3.94	2.09	1.48	3.12
3	1	5.47	7.19	2.07	2.48	2.81
	2	6.50	4.60	2.41	2.08	2.72
	3	7.15	4.11	3.24	1.96	2.56
	4	5.61	3.42	2.55	3.14	2.19
	5	4.29	2.59	11.17	7.15	2.50
	6	4.22	3.15	11.23	12.64	3.52

若泉地点流量データ (3/4)

単位 : m³/s

年度 月・半旬		1993 (H05)	1994 (H06)	1995 (H07)	1996 (H08)	1997 (H09)
4	1	3.56	3.26	4.66	2.55	2.75
	2	3.29	3.53	3.51	1.54	14.72
	3	2.74	3.17	3.43	1.22	5.56
	4	2.39	2.75	3.36	3.68	3.44
	5	2.63	2.62	3.44	2.43	2.84
	6	2.97	2.41	3.30	1.88	2.53
5	1	3.58	2.48	5.10	2.87	2.25
	2	3.75	2.16	4.06	4.34	2.66
	3	7.81	3.63	6.94	3.51	2.96
	4	6.57	2.90	17.79	2.35	2.95
	5	4.26	2.58	6.45	2.01	10.96
	6	3.04	3.29	4.43	1.54	8.64
6	1	2.91	3.17	3.30	1.24	4.50
	2	2.83	2.86	7.56	1.32	3.26
	3	2.71	3.33	17.78	1.26	4.47
	4	2.47	3.88	15.19	1.20	14.73
	5	7.59	3.96	9.34	2.13	16.09
	6	8.69	3.18	11.13	6.29	7.42
7	1	31.61	2.47	17.68	2.61	4.80
	2	27.22	3.60	48.29	7.15	4.31
	3	13.18	3.28	20.61	10.86	7.55
	4	15.92	17.00	12.90	8.35	5.88
	5	21.72	5.94	10.97	21.12	3.52
	6	29.60	6.06	6.57	9.22	6.50
8	1	12.92	4.29	4.74	4.06	5.76
	2	20.32	2.34	4.62	3.60	4.06
	3	13.19	1.53	3.02	2.69	3.61
	4	14.03	2.29	2.63	2.03	3.45
	5	10.47	11.07	3.76	1.47	2.49
	6	66.87	6.00	2.40	2.90	2.13
9	1	30.12	7.84	2.10	2.18	2.65
	2	39.26	4.69	1.63	4.80	5.56
	3	30.24	6.66	2.17	14.35	10.97
	4	15.43	34.52	33.93	9.16	19.25
	5	16.19	12.45	6.66	54.89	12.20
	6	11.25	46.00	4.43	14.18	18.56
10	1	11.32	48.74	5.42	13.77	8.44
	2	26.59	18.21	5.31	20.18	5.49
	3	15.00	10.13	3.54	16.38	4.01
	4	8.48	6.81	2.94	11.85	3.31
	5	6.24	6.37	2.56	7.47	2.82
	6	4.95	4.65	2.22	5.48	2.53
11	1	4.01	4.13	1.87	5.47	2.19
	2	3.64	3.59	1.96	4.04	1.95
	3	8.96	3.34	1.75	3.73	2.06
	4	5.18	3.19	1.64	3.13	2.09
	5	4.12	3.19	1.65	2.83	1.78
	6	3.72	2.89	2.04	2.53	2.48
12	1	3.59	2.76	1.69	2.42	2.18
	2	3.12	2.59	1.49	2.29	1.81
	3	3.12	2.40	1.23	2.10	1.53
	4	2.74	1.97	1.19	2.13	1.58
	5	2.62	1.47	1.19	1.80	1.37
	6	2.46	1.64	1.06	1.65	1.34
1	1	2.17	1.59	1.08	1.68	1.20
	2	2.04	1.45	1.19	1.61	1.47
	3	2.34	1.04	1.02	1.46	1.84
	4	2.36	1.12	1.21	1.39	2.25
	5	1.92	1.44	1.08	1.35	1.76
	6	1.93	1.17	0.96	1.27	1.50
2	1	1.77	1.11	0.96	1.22	1.47
	2	1.80	1.10	0.87	1.18	1.61
	3	1.84	1.25	0.95	1.21	3.57
	4	1.74	1.03	1.07	1.09	3.86
	5	2.38	1.02	1.09	1.09	7.10
	6	1.68	1.17	1.23	1.23	8.22
3	1	1.67	1.47	1.02	1.18	11.44
	2	2.40	1.32	1.03	1.08	7.72
	3	2.40	1.73	1.27	1.44	7.94
	4	1.86	2.09	2.39	1.84	6.59
	5	4.08	2.32	1.74	1.77	8.57
	6	3.12	3.77	2.15	2.63	9.05

若泉地点流量データ (4/4)

単位: m³/s

年度 月・半旬		1998 (H10)	1999 (H11)	2000 (H12)	2001 (H13)	2002 (H14)
4	1	9.74	1.99	1.52	4.99	3.57
	2	24.44	2.38	1.70	5.25	3.08
	3	21.64	22.97	2.05	5.30	3.33
	4	16.94	6.11	2.35	3.78	2.96
	5	9.50	18.18	7.30	3.41	6.80
	6	6.72	16.98	3.54	3.46	4.28
5	1	5.57	9.35	2.55	9.44	3.32
	2	4.70	7.86	2.10	6.75	3.13
	3	4.26	5.66	2.80	4.43	3.50
	4	5.35	3.49	7.88	3.65	5.06
	5	5.09	4.80	5.93	16.34	3.62
	6	5.93	5.11	3.60	11.87	3.21
6	1	4.93	4.12	3.29	7.63	2.47
	2	6.77	3.28	3.16	7.31	2.01
	3	10.59	2.97	11.34	17.12	0.11
	4	9.93	4.40	7.76	26.25	6.07
	5	29.05	3.71	17.35	13.28	1.10
	6	12.23	18.91	15.22	7.64	6.12
7	1	6.90	18.72	20.44	6.15	8.44
	2	5.27	16.97	53.73	4.74	46.47
	3	4.47	68.90	15.76	4.22	51.72
	4	4.20	28.72	12.39	8.86	13.93
	5	5.71	19.27	9.15	9.62	8.70
	6	12.74	10.38	8.36	4.21	5.84
8	1	15.63	6.41	8.02	2.71	11.64
	2	14.78	4.97	23.27	2.63	5.87
	3	7.78	239.15	35.40	5.09	4.60
	4	6.12	50.22	28.81	3.96	41.32
	5	4.79	30.39	12.33	43.09	17.80
	6	22.90	17.56	9.21	13.54	8.83
9	1	30.42	11.03	6.12	9.43	7.32
	2	15.87	8.47	5.60	214.58	13.30
	3	24.57	6.58	66.18	136.50	9.40
	4	107.27	6.47	23.47	20.21	10.06
	5	35.42	29.39	15.25	12.96	6.79
	6	41.00	11.10	10.60	8.74	5.89
10	1	29.82	7.39	9.37	8.52	60.33
	2	14.48	5.52	7.00	22.40	12.82
	3	9.03	4.49	5.55	27.38	8.09
	4	19.93	4.23	4.98	11.20	6.96
	5	27.20	3.44	7.29	10.36	11.35
	6	14.38	13.59	6.02	6.35	6.17
11	1	8.57	5.50	8.69	6.58	4.81
	2	6.27	4.36	6.85	9.75	4.09
	3	5.09	3.90	5.12	7.63	3.65
	4	4.22	3.46	5.34	5.71	3.27
	5	3.74	3.10	5.31	4.76	3.27
	6	3.26	2.69	4.27	4.13	3.00
12	1	3.99	2.95	3.69	3.86	2.93
	2	3.44	2.47	3.33	3.62	3.12
	3	2.70	2.23	2.89	2.99	2.58
	4	1.95	2.17	2.72	2.87	3.03
	5	1.80	1.87	2.65	2.64	3.59
	6	1.68	1.89	2.29	2.43	2.60
1	1	1.44	1.80	2.09	2.34	2.70
	2	1.58	1.97	2.53	2.22	2.51
	3	1.99	1.86	2.17	2.15	2.37
	4	1.78	1.87	1.85	2.32	2.25
	5	1.87	1.39	2.01	3.91	2.19
	6	1.72	1.43	2.08	3.29	2.59
2	1	1.56	1.22	1.47	2.84	2.24
	2	1.63	1.35	2.55	3.41	2.79
	3	1.52	1.37	2.21	2.60	2.85
	4	1.55	1.13	2.07	2.34	2.60
	5	1.46	1.21	4.50	2.46	2.27
	6	1.41	1.11	4.27	2.67	2.10
3	1	1.34	1.26	7.97	3.02	4.72
	2	1.41	1.30	6.29	3.04	4.43
	3	1.34	1.21	4.72	2.45	3.35
	4	2.09	1.30	4.96	2.51	3.33
	5	1.98	1.59	6.93	2.37	3.32
	6	2.87	1.59	7.30	4.21	6.00

利根大堰地点流量データ (1/4)

単位: m³/s

年度 月・半旬	1983 (S58)	1984 (S59)	1985 (S60)	1986 (S61)	1987 (S62)	
4	1	284.76	133.93	269.74	141.54	128.45
	2	249.33	203.38	353.16	148.51	221.65
	3	395.04	157.82	510.85	184.95	175.78
	4	420.29	291.42	352.52	216.98	166.40
	5	316.49	336.07	504.73	509.32	227.38
	6	269.96	358.45	328.47	405.33	166.22
5	1	223.82	496.66	245.73	266.10	189.70
	2	216.27	375.78	286.82	302.49	134.94
	3	162.53	344.54	180.62	289.25	209.78
	4	303.50	313.95	134.01	332.82	173.74
	5	155.90	256.59	156.18	240.84	201.19
	6	127.17	265.89	137.04	190.39	134.99
6	1	108.39	234.25	93.25	215.33	120.25
	2	103.25	202.10	96.20	158.78	111.36
	3	118.24	178.66	216.12	108.47	76.20
	4	92.17	167.31	188.12	195.46	68.06
	5	220.94	223.15	450.70	152.35	98.57
	6	89.44	410.56	903.02	268.01	58.58
7	1	272.73	205.30	1342.95	335.94	153.33
	2	350.65	248.95	526.20	221.56	144.10
	3	212.44	178.29	596.08	234.13	159.53
	4	246.47	300.58	315.54	241.51	273.84
	5	352.32	367.39	350.45	230.12	171.85
	6	541.24	429.38	176.65	143.26	164.13
8	1	277.18	227.46	163.13	357.19	125.66
	2	157.79	181.03	146.82	307.28	97.52
	3	146.39	153.26	224.31	168.01	201.67
	4	1904.72	78.91	97.45	237.19	281.92
	5	545.82	89.05	94.64	231.85	209.86
	6	248.05	97.73	121.15	139.73	140.42
9	1	171.85	87.43	104.17	781.13	159.12
	2	294.18	88.14	149.04	270.40	491.08
	3	222.11	99.53	106.45	220.99	511.56
	4	254.00	107.46	133.66	205.58	234.07
	5	319.41	99.29	367.95	163.88	205.74
	6	1313.81	84.85	403.58	137.09	239.56
10	1	498.56	94.17	301.04	169.62	158.55
	2	321.07	81.59	305.41	153.73	127.58
	3	242.08	105.60	225.51	156.02	108.59
	4	217.36	103.31	162.89	145.62	154.85
	5	180.25	103.24	142.77	143.14	126.63
	6	182.75	82.32	133.05	123.14	116.42
11	1	160.26	83.86	128.86	114.64	109.09
	2	153.42	87.80	181.40	115.15	115.16
	3	137.94	87.06	135.15	122.94	104.18
	4	126.28	91.45	111.67	107.87	101.46
	5	124.56	84.93	122.96	108.50	98.76
	6	121.91	77.33	117.67	104.64	92.36
12	1	113.80	76.38	112.01	93.93	87.59
	2	115.46	73.82	108.19	92.33	87.95
	3	101.06	99.34	96.53	98.37	93.37
	4	84.40	85.14	95.54	120.26	84.99
	5	92.07	73.75	87.81	105.06	80.56
	6	78.84	71.05	90.71	99.31	84.78
1	1	92.23	66.20	83.85	89.14	76.33
	2	94.49	68.35	79.25	94.93	83.13
	3	94.32	66.80	77.53	89.18	76.82
	4	90.66	65.13	76.41	89.36	76.64
	5	91.69	62.81	76.64	94.52	86.53
	6	90.84	61.22	72.94	87.80	73.28
2	1	92.68	61.96	70.71	87.91	71.10
	2	89.16	104.17	67.80	88.04	70.83
	3	83.58	90.32	69.49	111.75	66.50
	4	84.27	78.62	71.17	89.08	66.55
	5	87.93	85.76	71.79	85.79	65.05
	6	87.89	74.20	70.10	84.05	62.55
3	1	81.36	78.39	69.15	78.31	68.58
	2	82.06	87.20	74.46	82.20	61.50
	3	80.10	106.39	93.00	89.24	79.90
	4	87.90	157.54	95.76	101.27	84.46
	5	87.80	175.54	122.86	259.06	132.01
	6	93.34	239.25	123.75	178.82	122.49

利根大堰地点流量データ (2/4)

単位: m³/s

年度 月・半旬	1988 (S63)	1989 (H01)	1990 (H02)	1991 (H03)	1992 (H04)	
4	1	114.23	146.02	258.81	274.16	324.83
	2	154.80	280.01	208.58	443.90	322.45
	3	188.09	260.78	264.37	408.01	300.07
	4	256.13	290.41	256.90	339.68	228.65
	5	289.19	325.88	393.74	272.35	237.97
	6	234.05	264.60	299.21	291.43	233.90
5	1	309.59	229.55	230.30	241.31	248.34
	2	236.55	275.66	304.39	195.89	211.33
	3	280.48	471.23	266.60	206.13	210.20
	4	292.36	282.72	212.69	205.84	248.05
	5	411.10	288.71	152.60	194.43	222.46
	6	244.38	443.33	124.03	162.15	242.95
6	1	398.75	229.46	129.44	196.91	246.20
	2	234.61	190.29	111.14	137.50	263.32
	3	159.83	144.00	129.00	141.58	177.27
	4	182.63	398.03	83.62	124.11	148.65
	5	129.14	373.97	70.97	236.72	416.51
	6	447.94	539.95	122.54	167.39	249.15
7	1	523.73	375.64	181.95	259.47	286.01
	2	230.24	284.31	139.68	239.21	159.13
	3	189.41	353.97	132.29	249.50	204.78
	4	375.89	468.78	117.14	260.66	393.01
	5	275.08	297.94	93.08	187.05	227.20
	6	382.60	644.08	82.88	138.36	151.34
8	1	218.68	523.34	61.07	218.22	276.99
	2	192.12	480.07	327.63	235.23	151.74
	3	712.69	301.33	412.34	217.49	209.12
	4	845.01	516.51	123.90	203.17	145.00
	5	653.50	279.80	81.79	1015.04	147.55
	6	974.92	704.63	79.27	451.50	187.04
9	1	692.85	522.86	67.80	507.76	138.24
	2	1042.76	607.96	113.65	319.74	121.68
	3	783.94	465.96	168.79	370.53	101.04
	4	455.31	452.35	382.49	766.08	109.97
	5	524.05	512.38	313.71	491.94	107.59
	6	971.27	313.96	421.19	317.16	139.26
10	1	438.59	259.77	602.48	543.42	131.10
	2	442.19	311.53	459.61	478.99	293.96
	3	269.84	337.44	302.89	998.51	212.90
	4	206.28	321.79	223.93	416.79	271.02
	5	176.67	258.76	176.28	303.38	330.60
	6	159.26	201.05	263.14	363.69	181.98
11	1	159.88	209.57	280.76	240.63	147.53
	2	145.95	174.36	252.97	200.35	132.75
	3	131.44	163.46	207.55	180.76	125.26
	4	134.57	151.13	161.38	157.62	119.96
	5	115.98	141.75	150.46	147.61	137.62
	6	108.61	132.65	302.75	194.41	113.19
12	1	101.78	125.98	629.50	171.47	120.06
	2	99.94	122.60	234.48	135.94	146.03
	3	94.24	119.78	212.37	128.91	129.61
	4	88.65	121.42	164.94	117.29	107.35
	5	87.07	110.41	154.46	118.02	102.71
	6	82.49	106.77	140.73	125.32	107.21
1	1	79.10	95.47	128.64	105.31	87.51
	2	86.56	98.47	119.50	116.25	114.79
	3	97.19	94.71	119.88	105.59	100.26
	4	95.00	96.99	114.28	102.38	111.34
	5	138.55	92.33	122.87	98.53	96.83
	6	99.18	86.70	106.71	99.22	118.14
2	1	91.72	92.42	105.10	106.85	110.29
	2	96.13	89.31	102.48	98.05	127.23
	3	94.38	100.92	102.49	93.96	116.79
	4	156.69	112.58	171.15	91.34	185.19
	5	125.96	199.45	112.42	87.93	191.61
	6	172.14	206.59	111.66	95.60	179.56
3	1	165.53	202.94	113.31	138.08	172.92
	2	191.03	157.76	140.74	110.10	176.82
	3	154.22	140.32	159.21	124.28	159.32
	4	138.63	134.99	135.40	151.66	156.24
	5	113.45	135.85	268.65	195.27	150.02
	6	128.50	150.21	341.19	250.97	201.17

利根大堰地点流量データ (3/4)

単位: m³/s

年度 月・半旬	1993 (H05)	1994 (H06)	1995 (H07)	1996 (H08)	1997 (H09)	
4	1	240.77	179.71	214.39	161.65	212.02
	2	198.37	235.63	227.06	118.17	531.81
	3	165.47	248.66	212.93	107.36	235.40
	4	206.66	263.59	280.36	235.51	176.42
	5	304.16	281.24	357.71	177.90	166.34
	6	274.80	246.96	348.81	347.35	191.84
5	1	301.80	294.89	459.11	509.41	232.17
	2	334.89	235.51	330.19	442.68	243.92
	3	481.85	269.99	413.56	353.05	209.10
	4	325.57	241.78	644.29	327.33	185.74
	5	282.49	159.88	306.38	314.38	379.36
	6	219.55	293.55	222.76	334.55	276.74
6	1	242.08	140.34	214.57	341.85	154.86
	2	189.12	136.18	298.00	213.60	132.04
	3	190.20	169.14	420.58	204.40	144.33
	4	185.52	159.64	665.86	194.24	176.95
	5	219.96	118.31	356.10	209.97	241.81
	6	197.26	105.94	413.10	313.80	195.24
7	1	514.83	89.26	335.45	195.04	124.32
	2	435.92	119.96	752.06	235.20	133.33
	3	323.10	80.09	694.98	164.73	179.17
	4	421.81	219.29	402.65	186.46	196.50
	5	361.75	94.41	292.14	243.34	111.81
	6	467.18	104.67	186.88	168.86	258.99
8	1	263.08	125.69	148.06	144.15	236.85
	2	311.14	89.67	155.23	89.80	240.30
	3	289.56	63.16	111.63	93.40	162.32
	4	329.10	63.52	134.68	82.69	120.03
	5	264.92	331.77	163.73	79.66	120.53
	6	546.22	129.62	121.99	165.38	170.20
9	1	355.62	104.01	122.76	104.33	153.34
	2	511.87	153.97	103.27	232.36	217.93
	3	537.40	191.77	118.70	253.79	282.00
	4	324.68	978.10	571.19	153.34	418.18
	5	301.69	338.42	156.39	580.15	265.18
	6	223.21	795.83	137.70	207.98	434.93
10	1	232.57	887.83	166.09	205.03	209.51
	2	295.54	397.08	148.60	261.46	160.99
	3	213.92	255.93	119.32	199.60	132.29
	4	169.75	182.72	109.92	170.98	114.50
	5	165.62	200.79	108.72	138.35	102.50
	6	181.83	148.22	105.29	121.55	105.44
11	1	159.99	134.42	93.82	153.98	98.27
	2	129.83	132.08	106.28	144.32	88.42
	3	312.36	114.83	103.87	128.27	103.95
	4	197.85	108.37	105.72	118.45	120.97
	5	169.89	111.21	101.78	118.91	142.59
	6	156.27	100.84	93.41	122.86	211.59
12	1	137.29	101.55	86.29	107.82	186.10
	2	126.63	109.89	89.40	110.23	185.91
	3	130.41	110.48	88.40	99.01	153.58
	4	121.00	92.73	81.25	114.24	137.54
	5	122.33	94.10	82.47	99.73	114.76
	6	115.52	101.10	84.71	95.91	108.06
1	1	111.95	88.65	75.04	85.11	82.53
	2	110.03	87.66	84.14	104.90	98.09
	3	119.63	86.21	80.99	84.10	99.38
	4	111.99	78.12	94.17	79.37	139.67
	5	102.92	90.15	78.79	84.18	110.94
	6	104.02	80.13	77.16	78.92	98.14
2	1	96.57	74.73	76.98	83.71	92.25
	2	105.89	73.76	79.17	77.49	93.36
	3	101.77	76.73	81.03	80.43	109.55
	4	96.30	75.18	87.55	79.68	115.93
	5	141.06	71.22	78.61	73.78	194.57
	6	100.71	71.21	82.89	95.73	167.09
3	1	98.10	81.01	79.39	89.85	237.92
	2	119.12	82.87	78.36	104.20	149.78
	3	116.37	97.26	79.00	110.56	177.36
	4	107.65	135.85	121.97	124.70	147.86
	5	154.76	130.89	139.43	117.53	156.34
	6	120.39	184.63	142.48	151.64	189.92

利根大堰地点流量データ (4/4)

単位: m³/s

年度 月・半旬	1998 (H10)	1999 (H11)	2000 (H12)	2001 (H13)	2002 (H14)	
4	1	219.23	165.13	140.40	138.40	55.07
	2	401.95	155.68	206.99	230.39	115.80
	3	543.15	401.29	281.77	351.50	148.74
	4	544.31	265.11	214.25	250.25	195.17
	5	363.09	381.81	518.13	194.27	303.22
	6	302.19	439.59	324.69	232.33	246.36
5	1	245.07	301.03	387.12	286.00	209.01
	2	200.80	313.07	391.73	271.11	208.24
	3	203.33	208.43	450.33	238.27	223.50
	4	175.24	182.07	496.34	217.94	280.80
	5	142.52	144.62	393.30	380.60	220.99
	6	165.00	170.62	325.01	292.85	241.87
6	1	125.67	109.67	250.71	219.27	261.44
	2	163.08	92.29	209.66	183.62	252.27
	3	199.29	72.22	288.82	371.36	220.88
	4	153.29	149.88	194.17	517.71	215.85
	5	328.97	104.10	317.24	257.43	138.96
	6	178.77	412.49	306.16	225.62	154.15
7	1	124.45	444.63	355.40	217.98	142.18
	2	171.49	267.13	487.48	108.56	271.96
	3	156.89	881.95	240.05	100.42	1079.13
	4	116.29	756.79	283.35	280.53	337.68
	5	246.02	508.02	242.88	135.93	266.64
	6	376.40	239.31	217.41	122.60	195.76
8	1	310.94	146.16	199.39	131.15	248.79
	2	238.56	203.16	302.16	104.33	195.40
	3	177.31	1516.32	246.64	377.30	231.20
	4	237.10	884.32	237.78	118.38	354.36
	5	178.11	545.06	160.39	955.60	233.89
	6	1474.85	322.06	120.90	691.97	180.65
9	1	759.00	232.41	115.32	448.44	219.74
	2	391.85	187.11	274.08	836.35	258.58
	3	261.77	176.00	984.54	2004.82	222.88
	4	1798.07	400.76	675.66	425.46	222.20
	5	714.63	806.78	393.96	276.01	181.78
	6	577.53	317.86	281.61	209.41	177.11
10	1	507.20	225.26	260.65	255.45	673.99
	2	328.41	186.24	200.27	275.87	251.95
	3	253.58	171.73	169.72	546.60	206.64
	4	495.07	171.39	169.30	234.72	218.36
	5	409.40	144.21	249.54	248.91	292.49
	6	266.12	434.36	192.14	189.89	230.56
11	1	202.26	229.22	260.07	197.12	172.77
	2	182.62	165.42	184.35	196.15	120.38
	3	166.98	164.71	155.15	159.58	99.28
	4	151.34	185.99	179.21	142.52	98.94
	5	138.80	150.30	167.54	131.21	90.50
	6	134.38	138.40	133.12	130.16	100.47
12	1	140.01	134.95	122.33	124.30	119.50
	2	149.78	146.81	118.05	117.33	132.53
	3	120.68	132.81	113.52	112.80	112.70
	4	117.97	120.82	106.78	105.88	118.19
	5	112.57	119.97	105.80	102.99	121.96
	6	105.09	113.34	97.70	96.01	119.76
1	1	94.16	108.43	101.15	126.87	123.08
	2	106.91	125.33	121.40	126.39	111.62
	3	102.75	132.46	105.39	136.91	111.63
	4	98.83	107.56	97.74	139.15	118.18
	5	96.13	95.15	93.46	200.88	112.18
	6	91.39	89.06	114.85	204.44	126.04
2	1	83.76	85.63	93.71	163.60	122.41
	2	81.94	88.01	98.57	157.51	126.95
	3	73.09	80.96	85.75	137.07	123.28
	4	88.89	82.02	86.29	136.73	120.96
	5	80.97	79.49	132.83	144.17	124.22
	6	85.29	79.89	114.11	142.72	150.69
3	1	87.47	81.07	190.51	166.40	164.09
	2	101.41	90.79	120.25	160.94	179.53
	3	117.30	75.21	108.13	118.92	155.68
	4	289.53	87.57	119.47	99.27	138.80
	5	178.12	95.18	193.54	99.95	105.60
	6	206.45	163.79	245.29	51.44	80.77

清洲橋地点流量データ (1/4)

単位: m³/s

年度 月・半旬	1983 (S58)	1984 (S59)	1985 (S60)	1986 (S61)	1987 (S62)	
4	1	19.80	4.50	14.94	5.95	7.83
	2	10.95	6.45	19.92	4.99	5.77
	3	13.78	4.95	20.43	4.68	5.23
	4	17.02	5.30	17.88	6.11	4.12
	5	14.58	6.26	21.77	24.33	3.01
	6	9.42	3.28	16.64	11.78	2.28
5	1	6.48	6.84	8.53	6.63	1.90
	2	6.13	3.77	6.64	6.33	1.87
	3	4.80	3.11	5.57	13.93	2.28
	4	8.43	3.55	4.29	22.77	2.40
	5	4.35	2.97	6.32	12.44	5.87
	6	4.08	2.57	7.15	10.38	3.88
6	1	2.97	3.46	3.48	10.34	2.17
	2	2.63	2.36	2.78	7.85	2.44
	3	8.52	2.79	8.44	3.82	2.55
	4	4.08	2.88	11.72	14.76	2.62
	5	24.05	8.35	30.19	10.86	6.26
	6	14.29	19.59	48.29	29.05	3.13
7	1	25.41	11.25	114.83	43.51	12.95
	2	36.44	15.46	25.89	27.51	14.50
	3	22.24	18.02	32.04	17.98	12.01
	4	20.85	24.12	19.17	16.32	16.30
	5	20.25	19.22	23.37	21.34	10.25
	6	23.64	12.68	10.66	12.48	9.33
8	1	23.32	15.43	6.87	67.11	8.20
	2	15.06	8.91	4.46	65.18	6.08
	3	12.32	14.05	22.19	16.81	17.46
	4	116.35	6.24	9.10	24.81	30.53
	5	33.77	5.13	5.98	29.81	28.68
	6	16.34	4.35	6.29	13.51	21.84
9	1	11.63	3.86	8.30	103.37	14.37
	2	15.44	4.34	9.50	35.10	21.80
	3	12.92	7.39	7.15	32.54	86.61
	4	13.14	9.76	7.32	27.19	23.86
	5	16.46	7.19	14.79	16.64	23.97
	6	54.74	5.48	24.98	12.98	37.60
10	1	29.45	5.20	24.60	13.72	18.82
	2	20.76	4.61	21.35	12.27	14.82
	3	17.46	5.83	32.22	15.99	10.73
	4	14.13	5.69	22.16	11.32	17.40
	5	11.79	6.45	15.35	8.93	13.05
	6	10.15	4.87	10.86	7.60	12.22
11	1	7.97	4.08	8.66	6.79	12.07
	2	7.40	3.77	21.65	6.08	12.03
	3	7.75	3.66	14.60	5.88	9.55
	4	6.23	4.18	10.24	5.28	9.47
	5	6.16	4.43	9.30	4.75	7.79
	6	5.69	3.75	8.23	4.41	7.16
12	1	5.06	3.46	6.97	4.16	6.31
	2	4.78	3.36	6.58	3.98	6.57
	3	4.46	5.81	5.93	4.12	6.46
	4	3.98	6.12	5.35	5.91	5.94
	5	3.89	4.93	4.99	5.66	5.32
	6	3.77	4.19	4.42	4.57	4.90
1	1	3.84	3.83	4.51	4.41	4.31
	2	3.84	3.63	4.36	4.34	4.63
	3	3.84	3.50	4.09	4.19	4.41
	4	3.73	3.35	4.01	4.08	4.16
	5	3.86	3.32	3.89	3.38	4.60
	6	3.75	3.30	3.79	2.87	4.05
2	1	3.79	3.30	3.76	2.93	3.75
	2	3.56	8.05	3.66	3.15	3.75
	3	3.50	9.94	3.60	3.41	3.64
	4	3.44	6.65	3.65	3.40	3.47
	5	3.65	8.16	3.60	3.41	3.39
	6	4.32	6.37	3.60	3.13	3.43
3	1	3.92	10.85	3.52	2.94	3.45
	2	3.85	8.13	3.49	2.95	3.27
	3	3.71	9.32	3.83	3.85	3.36
	4	4.37	15.21	4.56	4.49	3.47
	5	4.54	15.53	6.85	15.46	5.13
	6	4.02	12.01	6.50	13.40	6.00

清洲橋地点流量データ (2/4)

単位: m³/s

年度 月・半旬	1988 (S63)	1989 (H01)	1990 (H02)	1991 (H03)	1992 (H04)	
4	1	5.05	5.28	8.83	14.32	16.56
	2	7.04	13.84	6.65	18.54	16.57
	3	7.00	15.55	5.99	15.91	17.66
	4	9.09	23.01	10.79	10.82	14.95
	5	8.47	22.58	48.90	7.60	9.91
	6	5.01	18.46	17.31	6.16	6.21
5	1	5.07	10.94	9.93	5.44	13.76
	2	7.98	10.46	11.76	4.52	7.26
	3	11.23	25.48	8.20	4.45	5.11
	4	7.72	13.55	6.11	4.88	9.89
	5	14.26	10.53	6.06	3.59	10.93
	6	10.43	29.65	3.71	3.70	12.98
6	1	20.80	10.98	3.19	4.25	63.57
	2	12.22	6.81	3.53	4.15	39.52
	3	6.31	5.66	3.90	5.93	19.40
	4	9.89	34.42	3.18	6.62	9.77
	5	13.30	27.07	2.64	17.78	38.36
	6	41.56	73.96	3.17	12.85	23.27
7	1	52.77	33.13	12.76	18.26	28.63
	2	19.27	19.73	10.46	21.08	11.54
	3	14.33	22.33	14.40	13.53	7.94
	4	45.06	62.97	9.56	15.98	14.56
	5	21.48	19.18	6.27	13.90	13.18
	6	24.71	45.69	6.95	7.97	9.51
8	1	14.85	55.46	5.65	9.35	18.51
	2	8.93	31.84	39.85	21.42	14.07
	3	143.26	13.91	105.41	14.71	14.51
	4	68.29	15.84	15.12	11.91	9.29
	5	44.42	9.99	8.42	211.54	8.31
	6	86.67	66.06	7.31	40.19	6.56
9	1	82.91	22.22	6.18	45.59	6.04
	2	74.10	38.72	9.49	22.12	7.01
	3	73.40	29.90	30.93	28.92	4.03
	4	30.86	22.72	77.74	128.99	3.82
	5	35.91	27.43	59.30	53.85	2.98
	6	106.60	17.08	61.28	27.72	4.46
10	1	33.49	13.02	152.96	38.71	6.17
	2	31.59	14.28	42.79	38.51	17.31
	3	19.33	19.65	28.44	128.51	15.43
	4	15.03	21.63	20.43	34.04	19.77
	5	11.36	19.37	14.23	25.66	48.28
	6	8.74	12.72	14.04	26.48	14.91
11	1	7.22	11.23	23.13	20.02	7.85
	2	7.78	9.22	20.51	16.64	4.88
	3	6.49	8.26	14.62	13.48	3.93
	4	6.28	7.65	11.02	10.82	2.98
	5	5.70	6.55	9.46	9.94	6.35
	6	5.25	5.59	14.39	13.66	3.43
12	1	4.84	5.08	96.33	12.59	2.89
	2	4.33	4.67	17.08	9.26	4.54
	3	4.06	4.46	16.01	8.12	3.44
	4	3.80	4.18	11.55	7.15	2.55
	5	3.74	4.12	9.73	6.57	2.02
	6	3.58	4.01	8.61	6.65	1.62
1	1	3.36	3.75	8.74	3.72	1.22
	2	3.37	3.67	8.74	3.93	1.17
	3	3.35	3.55	8.74	4.02	0.98
	4	3.32	3.76	8.74	3.34	2.01
	5	4.04	3.52	9.01	1.81	1.33
	6	3.78	3.39	8.74	1.51	3.51
2	1	3.48	3.56	8.74	1.61	2.07
	2	3.57	3.66	8.60	1.42	1.74
	3	3.53	3.65	8.59	1.36	1.28
	4	4.46	4.36	13.09	1.30	2.58
	5	4.70	13.36	8.74	1.08	3.97
	6	8.47	12.00	8.66	1.08	3.43
3	1	6.16	10.66	8.59	1.08	2.57
	2	8.27	8.58	8.59	1.77	2.42
	3	6.65	6.58	8.96	1.67	1.93
	4	5.33	5.46	8.59	1.80	1.39
	5	4.90	4.73	12.18	5.92	1.17
	6	6.69	4.52	14.72	9.34	1.10

清洲橋地点流量データ (3/4)

単位: m³/s

年度 月・半旬	1993 (H05)	1994 (H06)	1995 (H07)	1996 (H08)	1997 (H09)	
4	1	1.17	1.57	1.04	1.52	4.00
	2	0.85	1.34	1.04	1.34	12.64
	3	0.69	1.10	1.04	1.18	7.53
	4	0.41	1.04	2.24	2.37	3.91
	5	0.17	0.53	5.37	1.85	2.68
	6	0.03	0.53	4.70	1.13	2.08
5	1	0.82	1.71	6.70	2.24	1.89
	2	0.30	1.66	8.10	8.98	1.60
	3	2.67	1.76	46.88	8.00	1.63
	4	2.63	2.70	28.89	3.52	2.82
	5	2.06	1.66	10.63	2.52	40.66
	6	1.04	63.95	9.41	1.82	38.08
6	1	4.07	9.81	19.34	1.33	12.03
	2	4.36	9.18	33.11	1.07	12.07
	3	5.05	9.04	72.17	1.10	21.55
	4	4.27	9.31	81.17	1.02	28.99
	5	21.54	5.06	48.59	6.00	73.05
	6	12.72	3.78	42.13	12.78	23.03
7	1	40.54	2.40	17.52	4.56	11.89
	2	35.71	2.46	18.07	7.71	10.01
	3	18.38	2.12	20.31	7.82	11.03
	4	23.28	9.50	16.63	4.55	14.48
	5	27.79	5.31	12.52	5.13	9.16
	6	35.14	3.79	7.63	6.18	41.53
8	1	15.06	13.37	7.19	8.68	57.70
	2	20.37	13.42	8.14	4.47	27.18
	3	45.48	6.28	7.93	3.00	21.57
	4	26.36	4.45	7.61	2.88	16.91
	5	16.62	39.75	17.85	3.14	10.59
	6	57.41	15.10	19.01	3.65	27.91
9	1	44.63	13.60	14.60	4.50	20.54
	2	58.66	13.62	8.84	9.30	12.71
	3	52.70	32.18	8.23	12.43	17.49
	4	27.96	84.84	43.92	9.08	34.54
	5	25.31	38.51	14.10	64.02	21.35
	6	20.04	70.94	11.70	13.71	21.49
10	1	19.08	54.63	11.43	10.71	11.95
	2	24.44	24.66	10.83	12.00	8.81
	3	19.85	12.92	9.29	10.78	7.39
	4	13.15	7.75	7.26	8.84	6.21
	5	10.39	7.65	6.08	6.48	5.56
	6	9.64	4.53	5.24	5.17	5.02
11	1	7.00	2.80	4.58	5.98	4.55
	2	5.00	2.05	3.35	5.90	4.17
	3	58.15	1.86	2.21	5.22	4.12
	4	24.41	1.78	2.13	4.08	5.37
	5	15.74	1.92	2.62	3.94	5.83
	6	10.26	1.76	1.99	4.10	14.23
12	1	7.58	1.69	1.68	3.41	11.74
	2	6.10	1.64	1.61	3.14	7.52
	3	5.80	1.62	1.40	2.75	6.16
	4	4.29	1.60	1.31	2.92	5.35
	5	4.01	1.51	1.31	2.79	4.89
	6	3.14	1.58	1.86	2.62	4.49
1	1	2.54	1.31	2.59	2.22	3.40
	2	2.25	1.31	2.08	2.86	3.40
	3	2.38	3.37	0.97	2.49	3.48
	4	2.31	3.96	0.97	2.22	8.71
	5	2.23	2.17	0.97	2.08	6.72
	6	2.16	1.18	0.97	1.92	4.57
2	1	1.88	0.87	0.97	1.99	4.10
	2	5.07	0.32	0.92	2.05	3.91
	3	1.20	0.30	0.85	2.19	4.02
	4	1.14	0.78	0.81	2.46	4.30
	5	3.06	0.87	0.78	2.22	9.26
	6	1.69	0.87	0.94	2.22	6.78
3	1	1.43	1.04	0.97	2.22	11.20
	2	2.08	1.04	0.95	2.05	7.94
	3	2.72	1.04	0.85	2.15	8.29
	4	1.81	1.04	1.28	2.53	5.83
	5	3.13	1.04	1.59	2.90	4.98
	6	2.60	1.04	1.63	5.09	4.55

清洲橋地点流量データ (4/4)

単位: m³/s

年度 月・半旬	1998 (H10)	1999 (H11)	2000 (H12)	2001 (H13)	2002 (H14)	
4	1	5.48	6.38	1.57	5.58	10.09
	2	8.63	5.81	1.36	4.74	7.12
	3	16.44	22.18	13.59	4.35	6.89
	4	23.74	8.53	3.72	3.15	4.58
	5	11.09	21.11	42.34	2.03	4.92
	6	20.22	31.79	31.28	2.20	3.15
5	1	10.33	29.31	16.81	2.61	2.75
	2	7.72	27.41	7.01	3.00	3.36
	3	10.13	11.82	11.70	2.41	7.95
	4	12.25	8.74	29.83	3.47	10.10
	5	12.84	5.88	24.72	4.14	6.87
	6	20.05	4.97	9.34	5.96	5.22
6	1	11.34	3.15	7.33	7.74	3.33
	2	10.05	2.62	5.84	12.97	3.01
	3	15.64	2.37	19.37	18.34	3.35
	4	13.40	3.97	13.04	27.41	6.36
	5	13.19	4.90	9.93	11.54	9.38
	6	9.72	47.85	13.29	12.08	9.51
7	1	6.89	57.11	25.68	8.56	8.56
	2	8.86	17.92	66.58	5.55	49.91
	3	10.93	174.34	21.15	3.29	285.52
	4	6.61	76.74	27.22	15.75	48.44
	5	16.75	33.88	23.96	21.63	19.53
	6	46.71	23.29	27.98	11.36	13.62
8	1	28.67	15.24	25.33	6.96	25.04
	2	16.06	14.77	34.85	5.14	17.69
	3	9.72	38.29	24.00	30.65	11.57
	4	18.67	85.47	33.27	9.09	45.74
	5	12.59	54.31	18.01	149.68	22.15
	6	141.01	34.80	11.87	81.08	11.45
9	1	60.67	19.94	11.18	43.25	11.28
	2	25.70	9.90	16.63	44.67	42.92
	3	16.11	10.30	79.25	507.04	28.84
	4	131.07	22.33	57.17	38.93	23.50
	5	63.64	57.01	44.45	25.75	15.19
	6	48.69	27.02	34.21	16.84	16.33
10	1	41.44	15.15	27.84	22.57	118.37
	2	23.34	7.29	12.18	27.75	30.68
	3	28.29	6.58	6.88	104.72	18.46
	4	24.73	5.50	9.16	31.09	14.09
	5	22.92	4.19	19.69	25.45	21.10
	6	19.22	16.67	13.39	19.24	13.07
11	1	11.75	13.19	14.84	16.92	10.19
	2	8.62	9.28	9.89	25.65	8.75
	3	6.81	5.29	4.53	16.35	7.89
	4	5.40	5.31	11.89	12.41	7.10
	5	4.58	3.93	10.82	10.17	6.82
	6	3.67	3.37	7.69	8.52	9.01
12	1	3.38	2.72	7.48	7.38	7.40
	2	4.36	2.25	4.84	6.90	8.10
	3	3.00	1.94	1.40	6.29	7.75
	4	2.34	1.77	1.97	5.70	7.22
	5	2.09	1.55	5.23	5.45	7.83
	6	1.81	1.26	1.41	5.01	6.54
1	1	1.60	1.08	4.21	4.34	6.51
	2	1.55	0.95	5.13	4.22	6.15
	3	1.37	1.95	5.33	4.00	5.56
	4	1.32	1.60	4.53	3.97	5.45
	5	1.32	1.00	4.41	9.34	6.12
	6	1.25	0.75	6.40	18.62	6.72
2	1	0.98	0.66	5.23	8.68	5.97
	2	0.90	0.56	5.20	8.12	5.75
	3	0.90	0.50	4.73	6.44	5.56
	4	0.87	0.34	4.39	5.83	5.44
	5	0.83	0.20	4.44	5.08	5.29
	6	0.90	0.16	4.61	4.87	5.16
3	1	0.76	0.10	7.08	4.61	8.99
	2	0.76	0.07	6.16	4.39	16.00
	3	0.84	0.04	5.19	4.05	10.71
	4	5.64	0.05	4.67	3.78	8.73
	5	7.67	0.06	4.29	3.66	7.22
	6	5.72	5.41	6.51	14.84	6.75

乙女地点流量データ (1/4)

単位: m³/s

年度 月・半旬		1983 (S58)	1984 (S59)	1985 (S60)	1986 (S61)	1987 (S62)
4	1	46.99	8.76	34.86	12.39	17.08
	2	24.88	13.63	47.30	9.96	11.93
	3	31.94	9.87	48.58	9.20	10.57
	4	40.06	10.76	42.20	12.77	7.81
	5	33.96	13.16	51.92	58.33	5.02
	6	21.04	5.70	39.10	26.95	3.21
5	1	13.69	14.61	18.82	14.08	2.25
	2	12.82	6.93	14.09	13.32	2.17
	3	9.49	5.28	11.43	32.33	3.21
	4	18.58	6.38	8.22	54.43	3.50
	5	8.36	4.92	13.29	28.60	12.18
	6	7.70	3.92	15.36	23.46	7.21
6	1	4.93	6.16	6.19	23.36	2.93
	2	4.06	3.41	4.44	17.13	3.59
	3	18.79	4.47	18.59	7.05	3.88
	4	7.69	4.69	26.79	34.40	4.04
	5	57.62	18.37	72.97	24.66	13.14
	6	33.23	46.48	118.23	70.12	5.31
7	1	61.02	25.63	284.57	106.26	29.87
	2	88.60	36.16	62.22	66.27	33.74
	3	53.09	42.55	77.60	42.44	27.53
	4	49.64	57.81	45.42	38.30	38.24
	5	48.13	45.55	55.92	50.86	23.13
	6	56.60	29.19	24.15	28.69	20.82
8	1	55.79	36.08	14.69	165.28	17.99
	2	35.16	19.78	8.66	160.44	12.71
	3	28.29	32.61	52.98	39.52	41.16
	4	288.38	13.11	20.25	59.52	73.82
	5	81.93	10.31	12.46	72.02	69.20
	6	38.35	8.38	13.22	31.28	52.10
9	1	26.57	7.14	18.24	255.92	33.41
	2	36.10	8.34	21.24	85.26	52.00
	3	29.80	15.97	15.37	78.85	214.04
	4	30.34	21.89	15.80	65.47	57.14
	5	38.65	15.48	34.47	39.11	57.41
	6	134.35	11.20	59.95	29.96	91.49
10	1	71.13	10.50	58.99	31.79	44.54
	2	49.41	9.02	50.89	28.18	34.54
	3	41.14	12.06	78.05	37.47	24.32
	4	32.83	11.73	52.90	25.80	41.01
	5	26.97	13.62	35.89	19.83	30.13
	6	22.88	9.69	24.66	16.49	28.06
11	1	17.42	7.70	19.16	14.49	27.68
	2	16.01	6.92	51.62	12.69	27.59
	3	16.88	6.64	33.99	12.21	21.38
	4	13.07	7.94	23.09	10.71	21.17
	5	12.89	8.58	20.74	9.39	16.97
	6	11.72	6.87	18.08	8.52	15.41
12	1	10.14	6.15	14.93	7.91	13.28
	2	9.46	5.91	13.95	7.45	13.92
	3	8.64	12.03	12.33	7.81	13.64
	4	7.44	12.79	10.88	12.29	12.35
	5	7.23	9.82	9.98	11.64	10.80
	6	6.93	7.97	8.56	8.93	9.76
1	1	7.11	7.06	8.78	8.53	8.27
	2	7.10	6.57	8.41	8.34	9.07
	3	7.09	6.25	7.73	7.97	8.53
	4	6.81	5.87	7.53	7.69	7.90
	5	7.14	5.80	7.23	5.94	9.01
	6	6.87	5.75	6.98	4.67	7.62
2	1	6.98	5.76	6.91	4.82	6.88
	2	6.41	17.62	6.65	5.38	6.86
	3	6.26	22.34	6.50	6.02	6.59
	4	6.11	14.13	6.63	5.99	6.18
	5	6.63	17.90	6.51	6.03	5.98
	6	8.29	13.43	6.50	5.34	6.07
3	1	7.29	24.61	6.30	4.85	6.13
	2	7.12	17.81	6.23	4.88	5.68
	3	6.77	20.81	7.07	7.12	5.91
	4	8.42	35.53	8.89	8.71	6.17
	5	8.84	36.32	14.62	36.15	10.33
	6	7.54	27.53	13.76	30.99	12.51

乙女地点流量データ (2/4)

単位: m³/s

年度 月・半旬	1988 (S63)	1989 (H01)	1990 (H02)	1991 (H03)	1992 (H04)	
4	1	10.12	10.69	19.59	33.30	38.99
	2	15.11	32.10	14.11	43.84	34.13
	3	14.99	36.39	12.48	37.28	37.90
	4	20.24	55.03	24.48	24.55	31.28
	5	18.68	53.94	119.75	16.50	22.68
	6	10.02	43.66	40.77	12.89	15.91
5	1	10.18	24.84	22.32	11.10	29.22
	2	17.46	23.65	26.90	8.81	16.35
	3	25.57	61.20	18.00	8.63	13.26
	4	16.79	31.38	12.78	9.70	30.20
	5	33.16	23.82	12.66	6.48	29.94
	6	23.57	71.61	6.76	6.76	50.33
6	1	49.51	24.96	5.47	8.13	71.64
	2	28.04	14.53	6.32	7.89	59.78
	3	13.27	11.66	7.26	12.31	57.40
	4	22.23	83.55	5.46	14.06	66.08
	5	30.76	65.19	4.10	41.94	88.90
	6	101.40	182.39	5.42	29.62	41.69
7	1	129.43	80.32	29.39	43.14	50.82
	2	45.69	46.82	23.65	50.21	31.42
	3	33.32	53.31	33.50	31.32	24.74
	4	110.15	154.93	21.41	37.44	28.78
	5	51.19	45.44	13.18	32.26	29.19
	6	59.29	111.71	14.89	17.43	20.79
8	1	34.64	136.16	11.63	20.89	40.38
	2	19.82	77.11	97.12	51.04	21.73
	3	355.66	32.27	261.02	34.27	27.68
	4	168.23	37.11	35.30	27.28	14.05
	5	108.54	22.48	18.55	526.35	12.95
	6	214.18	162.64	15.79	97.97	10.89
9	1	204.78	53.05	12.94	111.46	13.80
	2	182.74	94.31	21.22	52.80	15.38
	3	180.99	72.25	74.82	69.81	10.47
	4	74.66	54.31	191.85	319.96	11.02
	5	87.28	66.08	145.74	132.12	10.02
	6	264.00	40.21	150.69	66.81	14.77
10	1	81.23	30.04	379.90	94.27	17.16
	2	76.48	33.20	104.49	93.77	33.47
	3	45.84	46.62	68.61	318.77	34.85
	4	35.08	51.57	48.56	82.60	37.64
	5	25.91	45.91	33.07	61.65	64.21
	6	19.34	29.30	32.60	63.71	34.05
11	1	15.54	25.58	55.33	47.54	25.29
	2	16.95	20.54	48.77	39.09	19.27
	3	13.73	18.14	34.06	31.21	16.11
	4	13.19	16.62	25.06	24.56	13.43
	5	11.75	13.86	21.14	22.36	23.48
	6	10.64	11.47	33.47	31.64	14.78
12	1	9.59	10.21	238.34	28.98	13.54
	2	8.32	9.18	40.19	20.65	19.14
	3	7.65	8.66	37.53	17.80	14.73
	4	7.01	7.94	26.37	15.38	12.21
	5	6.84	7.80	21.82	13.93	10.81
	6	6.46	7.53	19.02	14.13	9.79
1	1	5.90	6.86	19.36	11.96	9.16
	2	5.94	6.68	19.36	13.78	9.49
	3	5.88	6.37	19.36	12.76	8.66
	4	5.79	6.91	19.36	11.46	12.35
	5	7.61	6.30	20.04	10.73	9.74
	6	6.96	5.99	19.36	10.07	14.78
2	1	6.19	6.39	19.36	11.27	11.04
	2	6.42	6.66	19.01	10.59	9.72
	3	6.32	6.62	18.98	10.10	8.78
	4	8.66	8.39	30.23	9.42	13.65
	5	9.25	30.90	19.36	9.03	18.01
	6	18.67	27.49	19.15	24.66	14.61
3	1	12.90	24.15	18.97	38.33	13.08
	2	18.16	18.94	18.97	39.96	12.41
	3	14.13	13.94	19.91	38.56	11.11
	4	10.83	11.16	18.97	39.84	10.05
	5	9.75	9.32	27.95	45.27	8.95
	6	14.22	8.80	34.29	44.84	8.82

乙女地点流量データ (3/4)

単位: m³/s

年度		1993	1994	1995	1996	1997
月・半旬		(H05)	(H06)	(H07)	(H08)	(H09)
4	1	9.20	10.96	39.22	3.99	12.26
	2	8.30	10.06	23.57	3.82	57.93
	3	7.52	8.89	16.87	3.56	27.57
	4	5.93	7.10	12.70	5.01	15.25
	5	4.87	6.44	8.23	2.67	8.45
	6	4.87	6.44	6.82	1.84	5.91
5	1	5.23	6.54	10.42	4.19	5.46
	2	5.00	6.44	9.92	21.05	5.10
	3	11.15	6.64	62.76	16.23	5.77
	4	7.44	8.54	59.92	5.72	16.38
	5	6.02	6.44	24.13	4.54	112.22
	6	4.87	128.37	20.86	3.42	113.25
6	1	11.71	26.23	36.99	2.92	38.08
	2	14.66	15.32	60.17	2.87	34.18
	3	11.34	21.67	95.32	3.35	73.53
	4	13.42	18.20	132.45	2.86	71.59
	5	71.97	18.17	101.53	9.69	180.76
	6	36.68	19.03	81.10	28.31	55.08
7	1	108.73	14.12	53.42	12.14	26.79
	2	86.77	14.33	60.61	34.88	23.54
	3	43.46	10.00	88.30	25.16	36.26
	4	55.69	26.57	52.87	15.04	34.34
	5	66.98	12.66	32.98	14.37	15.12
	6	85.35	7.11	15.49	13.04	97.82
8	1	35.14	18.09	12.10	17.47	119.76
	2	48.43	15.51	16.69	8.18	65.59
	3	86.71	7.96	11.39	4.48	57.39
	4	41.82	7.86	13.06	3.24	40.46
	5	30.40	70.58	41.24	5.80	32.42
	6	124.83	22.24	23.94	7.06	78.10
9	1	95.00	20.27	29.98	6.85	61.21
	2	99.02	24.86	14.63	31.88	40.06
	3	103.54	62.81	16.58	42.33	50.52
	4	52.21	164.86	103.44	29.00	93.03
	5	50.09	68.39	32.36	116.88	65.15
	6	39.81	129.97	26.17	44.94	58.97
10	1	38.30	126.28	27.93	35.42	35.98
	2	45.81	49.07	24.38	36.97	25.41
	3	37.47	31.29	18.62	31.61	19.43
	4	27.17	21.60	15.03	27.67	14.43
	5	21.75	23.18	12.14	19.50	11.85
	6	18.93	16.00	10.53	15.47	9.64
11	1	16.85	13.14	9.14	18.45	8.06
	2	14.18	12.47	8.99	22.95	6.65
	3	86.12	10.45	7.64	22.12	7.01
	4	46.15	9.88	7.10	16.29	11.10
	5	32.56	10.90	7.99	14.97	12.21
	6	22.36	9.14	6.47	14.13	34.49
12	1	17.42	8.08	6.08	12.02	34.21
	2	15.62	7.63	6.04	12.41	20.29
	3	16.16	7.65	6.04	10.12	14.64
	4	12.96	7.03	6.04	11.07	13.67
	5	12.38	6.59	6.04	9.64	9.67
	6	10.65	7.20	6.04	8.51	8.32
1	1	9.85	6.81	6.62	8.14	9.45
	2	9.60	6.46	6.62	12.97	9.91
	3	9.74	6.29	6.62	9.31	11.12
	4	9.74	6.27	6.62	8.49	27.42
	5	9.08	6.91	6.62	8.23	24.16
	6	8.66	6.27	4.91	7.49	17.38
2	1	8.49	6.27	4.19	7.69	14.42
	2	8.02	6.27	4.21	6.92	13.41
	3	8.15	6.27	4.02	7.56	13.17
	4	7.92	6.27	4.11	7.35	15.00
	5	14.95	6.27	3.90	6.47	29.37
	6	9.93	6.27	4.64	6.24	21.44
3	1	8.98	6.27	4.29	5.90	31.23
	2	11.35	6.30	4.02	5.60	22.70
	3	13.71	7.19	3.67	5.54	24.17
	4	10.38	18.20	4.81	5.77	18.76
	5	15.18	11.37	4.10	6.67	16.06
	6	13.26	28.69	3.99	14.62	14.31

乙女地点流量データ (4/4)

単位: m³/s

年度 月・半旬	1998 (H10)	1999 (H11)	2000 (H12)	2001 (H13)	2002 (H14)	
4	1	18.71	14.70	7.72	11.45	22.73
	2	25.68	13.21	6.68	9.34	15.31
	3	50.26	39.39	34.54	8.38	14.72
	4	75.26	17.43	13.47	5.38	8.96
	5	34.31	12.94	65.50	2.58	9.81
	6	58.26	52.29	60.07	3.00	5.38
5	1	31.99	28.09	32.60	4.03	4.38
	2	23.17	42.89	16.64	5.00	5.90
	3	28.49	32.42	30.87	3.52	17.36
	4	37.10	23.18	56.50	6.18	22.76
	5	35.82	12.77	51.42	7.84	14.68
	6	54.87	11.58	20.92	12.41	10.55
6	1	28.43	6.33	21.22	16.85	5.83
	2	31.07	5.59	21.00	29.92	5.02
	3	43.96	5.49	56.33	43.33	5.88
	4	34.63	14.81	36.24	66.02	13.40
	5	41.01	15.26	33.98	26.35	20.96
	6	27.67	97.18	33.52	27.70	21.28
7	1	23.53	140.27	61.70	18.91	18.91
	2	36.71	41.93	163.93	11.36	122.27
	3	43.77	433.35	56.43	5.72	711.29
	4	25.71	189.36	81.30	36.87	118.60
	5	62.27	82.19	57.87	51.57	46.31
	6	117.08	47.65	67.44	25.91	31.54
8	1	75.38	25.00	60.83	14.90	60.10
	2	57.06	25.17	87.50	10.34	41.74
	3	30.83	279.36	57.51	74.12	26.42
	4	51.94	208.95	90.30	20.24	111.84
	5	34.39	87.41	41.62	293.19	52.87
	6	564.59	57.10	27.18	153.64	26.13
9	1	249.99	38.45	25.46	92.99	25.71
	2	74.49	30.87	40.40	112.80	104.81
	3	45.77	36.21	300.02	523.68	69.59
	4	505.65	53.78	144.20	90.65	56.25
	5	142.93	129.54	128.11	61.88	35.48
	6	141.66	55.60	90.09	39.61	38.33
10	1	100.53	44.01	67.09	53.92	293.43
	2	63.22	28.57	44.89	66.88	74.19
	3	45.08	25.72	32.40	259.31	43.65
	4	150.86	22.51	26.72	75.22	32.72
	5	98.48	17.89	46.73	61.13	50.25
	6	56.06	37.01	33.10	45.59	30.17
11	1	35.73	30.47	34.60	39.80	22.98
	2	25.14	22.46	27.37	61.62	19.37
	3	19.72	19.97	21.60	38.38	17.22
	4	16.78	21.74	27.22	28.52	15.25
	5	14.41	16.71	24.54	22.91	14.55
	6	12.76	14.90	18.75	18.81	20.02
12	1	12.00	13.54	16.19	15.94	16.01
	2	14.94	12.35	14.25	14.75	17.74
	3	10.76	11.26	12.79	13.23	16.88
	4	9.35	10.56	11.49	11.75	15.55
	5	8.38	9.92	10.57	11.14	17.07
	6	7.53	9.11	9.63	10.01	13.86
1	1	6.38	7.42	8.03	8.36	13.77
	2	6.11	8.14	10.33	8.05	12.89
	3	5.68	13.25	10.84	7.49	11.39
	4	5.32	10.82	8.82	7.41	11.13
	5	5.00	8.63	8.52	20.85	12.80
	6	4.84	7.78	13.49	44.04	14.30
2	1	4.49	6.87	10.58	19.20	12.43
	2	4.32	7.14	10.51	17.80	11.88
	3	4.55	6.22	9.31	13.60	11.40
	4	4.45	5.96	8.48	12.09	11.09
	5	4.51	5.67	8.60	10.21	10.71
	6	4.51	5.27	9.01	9.66	10.41
3	1	3.92	5.35	15.20	9.02	19.97
	2	4.04	5.10	12.89	8.47	37.49
	3	4.08	4.83	10.49	7.63	24.27
	4	13.82	5.48	9.18	6.96	19.32
	5	16.74	7.13	8.22	6.64	15.56
	6	14.18	13.44	13.78	34.60	14.38

大間々地点流量データ (1/4)

単位 : m³/s

年度 月・半旬	1983 (S58)	1984 (S59)	1985 (S60)	1986 (S61)	1987 (S62)	
4	1	36.10	12.85	37.56	11.12	10.35
	2	20.25	19.76	37.52	10.56	9.97
	3	34.99	15.12	34.50	12.94	8.98
	4	36.49	23.55	25.37	17.44	7.16
	5	29.38	23.19	40.29	54.07	7.08
	6	19.88	17.43	26.72	25.87	6.32
5	1	14.40	39.04	15.42	15.01	6.49
	2	14.01	20.90	13.92	15.74	5.33
	3	11.92	13.76	11.56	19.96	8.73
	4	16.32	13.56	8.87	35.38	10.97
	5	11.01	9.99	11.17	17.93	14.36
	6	7.26	9.37	10.28	17.06	9.66
6	1	7.13	8.55	8.41	18.82	6.31
	2	10.45	8.15	9.89	14.44	9.34
	3	15.03	9.58	15.12	9.32	8.01
	4	16.22	8.33	17.48	24.86	14.05
	5	27.67	18.89	39.10	21.51	18.05
	6	16.97	36.76	70.30	30.11	12.99
7	1	36.18	26.13	196.20	67.24	23.60
	2	51.72	23.31	30.89	36.53	20.84
	3	32.48	23.82	42.13	25.72	20.74
	4	28.96	33.66	27.81	23.76	18.80
	5	33.82	28.19	25.27	22.44	13.69
	6	47.42	23.18	14.99	15.44	8.98
8	1	40.05	28.38	12.17	54.46	8.36
	2	25.93	30.04	11.28	37.76	7.28
	3	26.95	23.59	28.46	19.81	21.50
	4	345.02	15.62	11.49	27.58	39.39
	5	85.79	13.44	11.05	33.84	30.83
	6	33.33	10.76	10.17	18.95	20.16
9	1	25.08	10.98	7.32	135.03	19.88
	2	29.15	9.70	14.55	37.70	35.47
	3	26.25	8.91	8.51	28.18	99.85
	4	23.23	10.09	12.18	24.27	23.02
	5	30.32	7.30	28.96	18.18	24.65
	6	100.26	5.95	40.14	15.18	39.05
10	1	40.30	6.10	27.27	19.20	17.53
	2	33.06	5.93	22.62	16.15	12.89
	3	24.21	9.93	26.95	19.74	10.41
	4	19.68	9.20	19.43	14.08	18.86
	5	17.19	9.70	16.55	11.19	12.26
	6	14.11	7.03	11.07	10.42	11.58
11	1	12.01	6.26	9.91	9.61	10.67
	2	12.74	6.06	30.21	8.73	10.81
	3	12.02	5.77	18.08	8.34	9.73
	4	10.58	5.74	12.84	7.77	9.03
	5	11.09	6.33	11.37	7.34	7.69
	6	11.11	5.88	10.36	7.17	7.36
12	1	9.38	5.35	8.59	6.59	6.63
	2	8.96	5.37	8.20	6.64	6.58
	3	8.21	7.45	7.74	6.74	7.51
	4	7.30	7.20	6.74	9.51	5.80
	5	6.91	6.06	6.68	7.49	5.89
	6	6.36	5.50	6.58	6.78	5.32
1	1	6.44	5.17	6.03	6.27	5.24
	2	7.25	4.95	5.75	6.09	5.56
	3	6.80	5.11	5.62	5.53	4.28
	4	6.20	4.51	5.69	5.85	5.00
	5	5.87	4.68	5.32	5.61	6.03
	6	5.98	4.70	5.36	5.26	4.65
2	1	5.79	4.89	5.15	5.13	4.41
	2	5.88	10.54	4.71	5.47	4.41
	3	5.26	8.30	5.05	6.54	3.93
	4	5.67	6.66	4.66	5.54	3.63
	5	5.98	6.87	4.88	5.45	3.71
	6	6.46	6.44	4.73	5.61	3.94
3	1	5.41	9.69	4.70	4.73	3.86
	2	5.46	8.78	5.08	5.22	3.44
	3	5.33	9.32	7.50	7.69	3.95
	4	6.17	18.36	8.85	9.37	4.92
	5	5.63	15.50	9.05	41.91	8.83
	6	7.52	19.86	8.82	20.69	7.42

大間々地点流量データ (2/4)

単位: m³/s

年度 月・半旬		1988 (S63)	1989 (H01)	1990 (H02)	1991 (H03)	1992 (H04)
4	1	7.31	7.54	18.75	27.46	30.17
	2	8.92	29.64	16.84	39.31	24.18
	3	13.83	22.40	16.74	29.61	26.70
	4	21.80	28.01	20.13	21.44	20.33
	5	17.07	22.32	57.77	16.67	14.90
	6	14.10	19.52	25.88	16.13	13.57
5	1	15.22	13.49	18.16	13.47	19.50
	2	14.95	13.33	17.78	11.69	12.49
	3	20.72	35.79	15.11	10.43	9.93
	4	15.38	19.75	12.14	8.90	14.55
	5	22.18	14.55	9.97	6.47	18.72
	6	16.62	30.46	7.78	7.24	52.53
6	1	29.20	15.02	7.67	9.42	60.68
	2	18.22	11.64	8.19	8.84	54.57
	3	12.43	9.10	9.32	9.53	28.30
	4	17.50	35.08	3.50	11.04	20.87
	5	17.05	34.66	2.29	19.21	49.98
	6	49.36	80.50	4.99	15.24	34.73
7	1	48.96	42.51	36.93	22.95	37.25
	2	20.12	30.80	16.71	18.27	19.71
	3	16.01	28.87	11.13	17.60	19.50
	4	34.85	57.49	10.70	20.91	24.00
	5	20.28	27.62	10.48	14.87	22.52
	6	28.05	78.14	8.36	13.14	14.49
8	1	18.19	72.25	4.01	23.22	22.71
	2	16.42	67.40	131.69	57.24	19.92
	3	135.64	27.47	75.48	24.86	28.68
	4	73.10	38.21	20.85	72.92	20.65
	5	90.38	22.07	12.06	260.25	14.91
	6	68.09	136.66	11.75	90.38	17.99
9	1	56.07	64.93	6.93	67.16	11.27
	2	115.12	94.40	13.66	31.11	11.96
	3	97.89	45.49	24.08	54.99	7.73
	4	48.15	33.68	101.28	174.25	8.94
	5	67.00	38.73	50.52	81.89	7.24
	6	108.86	22.76	51.13	34.61	10.08
10	1	43.10	17.23	66.14	53.06	10.26
	2	37.46	22.94	48.39	63.76	22.02
	3	24.18	24.54	35.78	158.70	16.62
	4	16.76	26.11	30.88	43.93	20.76
	5	13.90	24.11	22.38	27.96	41.44
	6	11.94	15.73	24.54	31.42	16.79
11	1	10.85	13.42	29.52	21.48	11.10
	2	9.54	12.04	34.58	18.28	11.10
	3	9.71	12.02	25.62	15.71	8.52
	4	9.61	11.81	17.97	12.32	9.11
	5	8.73	10.09	14.53	11.96	12.23
	6	8.12	8.72	40.12	15.42	8.44
12	1	7.30	8.19	73.83	12.30	9.14
	2	6.87	8.10	22.43	11.31	11.05
	3	5.92	7.42	18.25	9.54	10.50
	4	5.90	7.63	13.85	9.26	7.58
	5	5.20	6.85	11.88	8.73	7.05
	6	4.99	6.66	11.89	8.80	10.45
1	1	5.01	6.94	10.30	7.29	6.06
	2	5.11	6.82	9.61	7.58	6.10
	3	5.49	6.16	9.00	7.99	5.92
	4	5.19	6.46	8.45	6.67	6.83
	5	6.09	6.41	8.80	6.63	5.84
	6	4.90	5.31	7.81	6.16	6.38
2	1	4.38	6.06	7.18	7.42	5.69
	2	5.02	6.18	6.90	6.56	6.99
	3	4.81	6.98	8.65	5.88	5.89
	4	7.69	12.09	16.82	5.42	9.54
	5	6.43	23.20	10.58	5.35	9.91
	6	9.03	23.35	10.63	4.97	8.12
3	1	11.03	17.25	9.97	7.81	7.16
	2	10.17	13.93	12.21	8.09	8.14
	3	8.88	10.38	14.23	7.63	7.47
	4	7.52	9.32	12.06	9.04	7.05
	5	7.16	8.16	24.55	12.10	6.83
	6	8.04	10.99	35.05	21.31	7.69

大間々地点流量データ (3/4)

単位: m³/s

年度		1993 (H05)	1994 (H06)	1995 (H07)	1996 (H08)	1997 (H09)
月・半旬						
4	1	8.99	10.60	28.27	8.82	11.20
	2	7.75	11.96	21.28	5.96	33.82
	3	6.07	10.57	15.19	4.94	14.59
	4	6.50	9.22	16.90	12.83	8.03
	5	8.42	7.97	14.23	7.79	7.42
	6	6.53	7.27	12.30	7.78	6.55
5	1	11.65	10.75	14.51	15.67	5.98
	2	10.06	8.95	11.30	24.65	6.30
	3	14.66	10.74	36.89	15.05	5.71
	4	12.54	21.86	42.98	9.29	7.13
	5	9.91	12.33	17.93	7.64	56.89
	6	6.37	76.61	13.34	7.18	47.85
6	1	11.77	21.71	13.88	5.77	15.66
	2	12.71	12.33	28.01	5.82	13.44
	3	9.54	13.68	43.82	6.19	34.22
	4	12.75	14.71	73.13	6.96	74.93
	5	20.20	11.97	40.28	18.54	79.43
	6	16.05	13.17	52.96	16.44	33.59
7	1	51.93	10.05	31.48	11.09	18.48
	2	31.06	9.91	40.95	16.18	13.76
	3	24.13	6.08	40.65	11.45	12.39
	4	37.62	12.50	28.88	11.34	21.84
	5	41.70	8.05	21.31	13.02	12.40
	6	58.93	12.12	14.69	11.03	56.79
8	1	20.40	15.31	11.89	8.96	75.37
	2	26.10	11.83	8.83	6.26	54.31
	3	48.87	6.55	7.80	5.32	27.97
	4	26.92	11.07	7.25	4.48	18.28
	5	20.78	39.38	22.07	5.20	14.43
	6	50.33	17.40	16.06	8.93	15.23
9	1	39.57	11.35	14.20	5.43	12.14
	2	64.13	22.03	8.09	19.62	13.10
	3	53.19	33.73	7.38	15.32	17.92
	4	29.99	134.91	45.93	9.89	44.32
	5	26.14	36.20	18.51	33.85	25.89
	6	22.44	116.70	18.50	14.29	40.71
10	1	19.21	96.46	17.41	13.74	17.74
	2	20.39	35.49	15.27	20.60	12.45
	3	17.34	21.87	11.64	16.09	10.16
	4	13.12	13.84	10.11	10.16	8.29
	5	10.67	15.46	8.51	7.79	7.16
	6	11.42	11.70	7.86	6.70	6.86
11	1	10.34	8.46	6.34	8.59	5.86
	2	8.53	7.94	7.05	8.50	5.80
	3	50.75	6.64	6.02	7.87	6.01
	4	19.48	6.55	6.44	6.66	8.30
	5	17.98	7.23	5.84	6.90	8.81
	6	11.47	5.29	5.25	8.17	38.61
12	1	9.61	4.89	4.82	6.05	21.44
	2	8.59	4.92	4.75	5.71	11.33
	3	7.93	5.82	4.61	4.99	9.21
	4	7.18	5.18	4.37	5.83	7.55
	5	7.74	3.98	4.37	5.26	6.74
	6	6.83	4.94	4.27	4.85	6.03
1	1	6.51	4.26	4.16	4.29	5.58
	2	6.04	4.18	4.21	5.03	5.93
	3	6.32	3.95	4.05	4.41	6.10
	4	5.89	3.37	5.11	4.13	15.31
	5	5.51	4.14	3.92	4.15	8.65
	6	5.72	3.21	3.35	3.90	6.08
2	1	4.58	3.35	3.18	3.93	5.92
	2	4.99	3.24	3.80	3.76	5.93
	3	5.07	3.28	3.50	3.94	7.64
	4	5.01	3.66	4.26	4.00	8.99
	5	11.99	3.35	3.35	3.69	17.83
	6	6.35	3.30	3.86	4.34	11.89
3	1	6.11	2.46	3.55	4.84	13.83
	2	11.15	3.23	3.66	4.60	11.18
	3	10.56	5.22	3.72	5.09	12.31
	4	7.16	14.14	7.53	5.88	11.01
	5	12.42	10.18	10.69	6.48	10.25
	6	10.89	23.72	8.72	11.08	12.01

大間々地点流量データ (4/4)

単位: m³/s

年度 月・半旬	1998 (H10)	1999 (H11)	2000 (H12)	2001 (H13)	2002 (H14)	
4	1	13.34	13.32	10.65	9.40	0.19
	2	22.25	13.43	18.08	9.97	2.25
	3	35.94	40.29	24.54	9.46	2.42
	4	36.83	16.56	13.29	8.47	4.43
	5	17.30	34.37	57.60	7.15	2.16
	6	17.36	44.63	31.99	6.91	7.10
5	1	14.08	39.35	25.34	7.31	9.72
	2	11.65	30.55	19.32	7.82	8.13
	3	15.08	16.43	23.78	6.91	6.19
	4	14.23	13.72	40.86	6.43	14.13
	5	13.04	10.63	34.25	9.73	18.14
	6	18.13	10.59	17.58	13.18	12.28
6	1	13.38	7.83	13.88	11.97	16.15
	2	13.27	5.52	11.64	19.54	36.68
	3	16.75	6.41	22.38	22.10	35.10
	4	15.14	9.07	16.80	23.61	30.81
	5	17.90	8.26	20.62	13.91	33.05
	6	14.38	62.57	18.28	24.20	16.22
7	1	10.44	53.83	40.03	20.05	19.10
	2	9.75	27.33	58.69	10.75	78.59
	3	7.84	216.27	25.06	9.07	240.23
	4	7.37	82.51	29.93	29.31	41.76
	5	22.43	41.79	22.48	19.07	23.55
	6	39.23	20.21	24.19	10.86	21.35
8	1	27.77	16.13	18.86	7.39	18.62
	2	15.33	22.46	26.56	7.34	22.65
	3	13.15	158.05	22.91	15.31	19.60
	4	22.20	100.25	27.97	8.86	13.95
	5	13.88	61.70	17.59	244.02	17.97
	6	244.33	37.60	16.63	97.24	22.84
9	1	106.31	19.68	12.10	56.50	17.61
	2	46.85	16.10	18.20	189.81	13.12
	3	44.61	18.26	154.51	389.50	33.88
	4	230.31	34.78	66.50	46.59	28.42
	5	144.54	64.30	72.94	23.98	17.00
	6	69.19	24.47	43.73	19.03	16.28
10	1	44.99	15.49	27.49	22.40	44.12
	2	25.58	12.67	18.93	28.31	28.28
	3	21.53	12.51	15.06	71.79	16.89
	4	84.65	10.99	13.72	23.11	15.16
	5	42.39	9.83	27.29	20.75	0.21
	6	22.43	23.41	18.66	18.76	6.79
11	1	15.82	12.60	20.15	17.16	5.08
	2	13.05	10.58	15.97	24.03	7.29
	3	11.45	11.65	12.83	17.62	11.45
	4	9.90	12.05	14.10	13.38	9.49
	5	8.78	10.69	15.13	11.75	9.96
	6	8.90	9.14	11.93	11.48	13.63
12	1	8.15	8.43	9.93	9.94	10.40
	2	9.96	8.13	8.85	9.91	12.63
	3	7.45	7.13	8.48	8.37	9.86
	4	6.56	7.36	7.96	7.73	10.15
	5	6.32	6.84	7.15	7.63	10.66
	6	6.05	6.61	7.04	6.37	9.03
1	1	5.71	5.99	6.52	8.04	8.47
	2	5.71	6.77	7.17	7.60	9.40
	3	5.77	7.91	6.92	6.96	9.36
	4	5.48	8.09	5.58	3.89	9.71
	5	5.22	6.27	5.77	7.81	10.27
	6	5.22	5.55	6.56	15.72	7.17
2	1	4.66	5.25	5.76	7.94	7.90
	2	4.85	5.90	5.88	9.85	7.84
	3	4.52	5.59	5.07	10.70	7.09
	4	4.69	6.07	5.93	8.44	7.75
	5	4.60	4.78	6.39	7.43	7.30
	6	6.63	4.09	6.79	7.79	8.04
3	1	4.86	5.10	8.61	10.63	3.56
	2	5.16	6.09	7.35	8.52	5.79
	3	10.22	4.61	6.62	10.52	9.41
	4	13.83	5.58	7.56	9.38	8.78
	5	13.29	6.16	11.71	6.79	7.48
	6	17.10	19.64	15.18	1.57	11.87

藤岡地点流量データ (1/4)

単位: m³/s

年度		1983 (S58)	1984 (S59)	1985 (S60)	1986 (S61)	1987 (S62)
月・半旬						
4	1	54.21	19.54	51.91	16.43	18.95
	2	24.94	26.48	54.62	14.38	19.32
	3	47.81	19.94	55.48	16.47	17.82
	4	60.99	27.77	40.23	22.82	16.64
	5	47.38	29.90	65.98	82.91	16.00
	6	27.49	23.31	46.14	41.28	11.79
5	1	18.35	49.52	28.39	23.42	17.66
	2	16.45	27.03	21.20	28.50	15.82
	3	9.12	16.29	16.26	35.39	18.64
	4	20.07	15.56	11.79	67.22	10.95
	5	10.91	8.38	16.94	30.07	21.19
	6	6.61	10.41	12.66	28.50	16.65
6	1	3.65	8.97	9.39	30.02	14.38
	2	8.95	9.97	11.22	21.78	7.82
	3	23.52	7.19	18.90	6.08	5.07
	4	5.06	1.83	20.74	39.11	10.76
	5	55.07	29.11	94.96	23.25	20.42
	6	16.15	68.03	198.41	69.99	3.08
7	1	56.50	39.96	417.07	134.36	35.44
	2	107.29	40.82	62.11	72.74	33.14
	3	51.46	61.06	80.53	44.76	34.06
	4	56.01	56.34	38.81	36.31	40.44
	5	57.43	54.47	37.79	62.15	23.50
	6	104.93	40.64	11.43	26.62	21.60
8	1	76.04	31.76	10.46	148.66	12.99
	2	26.79	31.07	3.77	216.70	6.65
	3	20.45	34.66	75.84	31.26	40.25
	4	470.79	11.68	8.72	73.50	123.87
	5	154.65	5.38	5.45	58.78	95.48
	6	52.27	1.90	9.76	23.94	36.29
9	1	32.63	1.18	4.36	250.60	38.27
	2	52.54	5.29	15.82	96.55	84.35
	3	35.62	13.24	6.92	64.35	322.19
	4	33.58	19.20	14.86	56.35	59.23
	5	55.54	17.10	44.66	30.76	54.73
	6	198.15	12.37	68.24	28.71	119.89
10	1	118.88	12.46	56.67	39.69	41.14
	2	72.93	11.55	46.35	34.19	28.83
	3	56.19	15.87	67.71	38.62	24.15
	4	46.22	15.42	37.24	28.53	39.24
	5	41.24	15.87	30.57	24.83	29.07
	6	33.76	12.57	22.46	23.76	29.50
11	1	27.70	10.88	18.10	22.05	32.68
	2	27.44	10.78	54.23	21.32	31.32
	3	26.91	10.17	30.86	20.40	24.67
	4	23.33	11.10	24.01	18.83	23.50
	5	23.51	11.93	22.76	17.74	20.92
	6	23.46	10.29	20.85	16.65	20.21
12	1	19.45	9.27	16.12	16.07	17.95
	2	18.22	9.07	16.13	16.09	20.68
	3	16.87	18.69	13.88	16.71	21.86
	4	16.43	16.21	12.82	21.89	19.66
	5	15.36	11.66	12.49	17.94	17.14
	6	14.41	9.43	11.77	16.60	14.44
1	1	12.97	8.70	10.11	15.72	12.14
	2	13.04	8.89	10.22	15.43	13.38
	3	13.30	8.79	9.59	13.23	11.17
	4	12.67	8.28	9.50	15.02	11.48
	5	13.32	8.16	9.29	13.80	13.53
	6	12.08	7.97	8.72	13.26	11.34
2	1	12.90	7.38	7.22	13.18	10.44
	2	11.95	20.53	6.54	13.38	10.08
	3	11.41	17.51	7.01	14.20	9.37
	4	11.76	14.78	7.60	12.50	9.18
	5	13.02	16.66	8.38	12.11	8.94
	6	14.92	13.26	7.64	12.02	9.37
3	1	12.36	22.90	7.64	11.63	9.66
	2	12.10	17.25	7.69	10.84	8.81
	3	11.05	23.48	13.18	14.66	8.75
	4	14.64	39.95	15.30	16.72	9.21
	5	13.24	32.93	22.36	51.23	18.03
	6	14.50	32.55	17.56	27.78	18.23

藤岡地点流量データ (2/4)

単位: m³/s

年度 月・半旬		1988 (S63)	1989 (H01)	1990 (H02)	1991 (H03)	1992 (H04)
4	1	13.70	14.58	29.23	44.81	46.02
	2	23.61	44.96	20.69	75.14	45.40
	3	22.51	42.33	21.16	50.59	57.55
	4	30.02	48.56	36.12	34.01	38.15
	5	24.25	53.15	100.80	24.57	26.42
	6	18.34	48.66	46.76	23.02	21.52
5	1	23.31	32.02	30.39	18.04	31.35
	2	28.42	31.33	30.66	14.74	18.63
	3	35.05	77.56	24.58	17.21	15.56
	4	27.19	43.15	16.71	15.44	27.91
	5	51.21	36.79	14.45	12.86	29.19
	6	31.92	88.54	10.08	12.84	80.58
6	1	54.23	29.46	7.76	14.60	142.41
	2	31.07	15.72	5.59	13.22	91.55
	3	16.08	6.17	1.77	9.59	43.72
	4	26.08	66.89	0.00	10.94	24.87
	5	26.89	62.22	0.00	28.60	158.53
	6	89.85	165.30	2.14	18.34	47.25
7	1	113.79	81.09	53.60	30.19	66.06
	2	34.71	48.41	30.06	68.21	24.05
	3	23.04	49.24	22.08	27.04	26.59
	4	100.99	177.67	10.67	31.78	39.61
	5	45.98	48.61	13.32	25.17	24.04
	6	75.08	136.21	14.60	18.49	18.59
8	1	39.25	153.03	0.32	28.24	68.88
	2	20.07	91.41	142.78	70.04	24.38
	3	291.82	34.13	297.19	74.00	37.88
	4	167.99	52.91	37.93	63.44	19.30
	5	145.49	27.68	9.09	677.58	10.25
	6	178.53	183.06	12.43	127.93	15.80
9	1	185.08	75.07	0.25	231.75	2.37
	2	270.05	114.07	13.33	59.13	7.51
	3	248.11	78.16	89.05	122.33	3.42
	4	85.90	62.20	166.88	480.88	6.95
	5	104.45	90.62	166.04	292.04	6.34
	6	300.33	47.81	157.57	67.54	18.82
10	1	100.91	35.02	258.70	146.95	22.43
	2	95.65	47.09	115.79	203.46	61.19
	3	55.26	64.35	76.12	672.16	41.08
	4	38.48	57.58	43.56	115.27	53.69
	5	32.48	48.96	32.40	55.81	118.10
	6	28.55	31.14	32.38	81.54	34.45
11	1	24.61	24.80	54.44	39.47	20.75
	2	20.88	20.26	56.67	34.40	18.24
	3	19.08	19.08	33.40	27.64	14.26
	4	19.33	18.16	25.06	23.37	13.88
	5	18.27	16.84	21.27	20.93	23.35
	6	16.40	12.79	39.27	29.51	13.51
12	1	16.76	12.05	195.06	22.51	13.81
	2	15.53	11.23	39.95	21.31	17.07
	3	15.30	12.69	37.22	19.37	13.78
	4	15.43	11.50	24.93	19.11	10.67
	5	14.17	10.44	18.88	18.21	10.09
	6	13.82	10.12	17.72	17.10	9.51
1	1	12.69	8.54	15.91	16.60	8.23
	2	12.30	9.45	13.91	14.37	9.87
	3	12.68	8.64	13.69	11.70	9.52
	4	12.18	9.31	13.66	9.68	13.54
	5	15.28	10.32	16.70	9.92	9.98
	6	10.10	7.92	12.18	9.72	17.01
2	1	8.74	9.13	12.30	14.40	10.99
	2	10.60	9.27	13.80	10.80	11.34
	3	10.07	9.27	14.66	9.58	10.03
	4	16.57	15.20	23.67	8.66	17.10
	5	14.85	32.92	12.09	8.59	17.14
	6	24.92	35.53	12.27	8.07	12.91
3	1	18.78	31.67	12.44	10.59	10.34
	2	24.49	21.26	14.05	11.49	12.53
	3	18.25	14.93	20.70	10.23	11.15
	4	14.73	13.77	13.86	14.80	10.75
	5	14.72	11.71	33.37	26.23	8.96
	6	17.38	14.54	46.69	31.60	10.07

藤岡地点流量データ (3/4)

単位: m³/s

年度 月・半旬		1993 (H05)	1994 (H06)	1995 (H07)	1996 (H08)	1997 (H09)
4	1	11.66	12.55	47.69	12.75	15.26
	2	9.92	14.24	30.12	9.41	61.40
	3	8.35	12.18	21.97	7.65	28.09
	4	7.53	11.49	21.94	16.07	15.10
	5	9.59	11.28	18.94	10.74	10.38
	6	7.01	8.59	18.20	9.84	11.02
5	1	11.43	12.99	21.33	18.50	8.62
	2	11.00	11.68	16.58	31.69	8.27
	3	22.46	13.26	70.40	17.85	7.08
	4	14.87	21.03	98.56	9.29	14.88
	5	9.89	14.18	28.61	6.45	125.19
	6	5.32	146.66	19.43	3.48	172.18
6	1	9.69	33.45	28.60	1.41	40.35
	2	16.51	12.90	71.87	0.10	23.24
	3	5.54	14.68	108.10	0.42	64.70
	4	7.58	13.30	241.16	0.00	79.48
	5	55.93	7.72	174.65	7.95	290.65
	6	32.04	11.28	126.26	10.52	43.46
7	1	115.85	6.47	69.82	6.62	20.74
	2	96.24	15.32	145.19	33.68	17.01
	3	43.53	5.23	111.83	12.88	27.85
	4	82.84	23.29	52.92	14.72	27.40
	5	79.77	8.75	37.75	7.67	10.62
	6	117.11	14.12	35.03	6.17	84.72
8	1	44.25	19.63	19.94	8.90	105.75
	2	54.15	12.85	19.19	0.04	80.59
	3	68.16	2.57	7.69	0.00	54.94
	4	43.79	12.10	10.25	0.11	30.57
	5	27.62	100.50	42.32	2.27	22.41
	6	161.79	17.73	16.05	9.18	53.72
9	1	76.50	17.47	16.56	2.77	61.38
	2	115.77	23.86	7.90	36.48	33.92
	3	154.88	72.52	10.87	38.01	46.54
	4	59.87	338.38	274.92	15.43	96.48
	5	54.84	99.70	35.32	173.62	55.41
	6	43.10	233.91	30.20	31.55	62.79
10	1	43.59	282.46	32.86	30.10	38.72
	2	68.40	74.44	27.65	42.08	28.10
	3	46.96	41.75	20.16	33.82	21.17
	4	32.49	25.77	17.87	25.98	16.84
	5	24.02	23.55	12.99	16.68	13.94
	6	23.17	22.46	11.51	13.56	11.86
11	1	17.47	15.65	9.97	17.35	9.60
	2	15.48	16.20	10.27	19.29	9.52
	3	114.34	12.16	8.51	20.38	10.45
	4	45.78	12.73	8.84	13.90	14.99
	5	36.58	13.55	8.74	14.28	14.64
	6	24.98	12.14	7.44	14.67	38.64
12	1	19.78	11.75	6.71	11.59	32.53
	2	17.35	11.43	6.45	11.19	18.77
	3	16.99	12.21	6.88	9.81	15.06
	4	13.77	10.78	5.92	11.68	12.88
	5	14.36	9.60	5.81	9.92	10.67
	6	11.41	10.82	6.44	8.96	10.53
1	1	11.56	9.45	9.96	8.08	10.02
	2	11.13	9.25	6.32	12.93	11.76
	3	11.60	8.91	7.60	9.30	14.17
	4	11.71	8.08	8.03	8.43	29.34
	5	10.63	9.49	5.69	9.04	21.81
	6	10.76	8.02	5.78	8.42	14.45
2	1	9.43	8.00	5.65	8.53	12.45
	2	9.41	7.84	7.12	8.08	12.54
	3	9.72	7.77	6.77	8.80	14.03
	4	9.65	8.11	7.94	9.06	17.88
	5	19.59	7.88	6.81	7.95	32.01
	6	11.06	7.96	9.20	8.55	25.99
3	1	10.83	7.65	8.36	8.69	37.34
	2	17.25	7.91	7.97	7.96	26.69
	3	16.60	11.39	7.76	8.68	27.32
	4	12.01	21.17	12.82	10.47	25.97
	5	20.59	15.44	14.97	11.26	18.14
	6	15.80	34.71	13.10	17.84	18.97

藤岡地点流量データ (4/4)

単位: m³/s

年度 月・半旬		1998 (H10)	1999 (H11)	2000 (H12)	2001 (H13)	2002 (H14)
4	1	27.67	21.38	12.64	17.26	3.60
	2	41.23	18.92	20.17	15.95	5.73
	3	54.41	50.91	31.51	14.84	7.66
	4	77.79	26.08	14.96	9.94	3.77
	5	37.66	52.62	67.88	10.53	7.34
	6	47.00	78.58	47.32	10.45	7.18
5	1	34.52	68.40	32.81	11.30	8.89
	2	25.82	61.14	24.41	11.67	9.16
	3	28.61	31.31	29.80	9.06	11.95
	4	43.53	24.98	66.30	7.15	19.52
	5	38.43	15.22	49.63	15.79	20.10
	6	47.68	14.31	26.02	21.61	10.73
6	1	26.80	8.63	19.08	18.79	10.24
	2	21.47	0.77	8.70	24.79	30.33
	3	24.64	0.62	49.39	33.81	27.01
	4	18.58	11.80	25.73	41.37	29.29
	5	44.87	6.08	35.34	13.63	35.29
	6	24.42	76.84	28.31	39.48	21.80
7	1	12.71	135.19	116.00	32.80	22.94
	2	21.02	41.61	203.90	10.44	47.03
	3	19.80	329.58	53.26	6.58	644.06
	4	10.29	179.26	67.67	77.93	95.19
	5	39.79	90.35	54.17	31.17	46.38
	6	88.74	41.78	54.58	15.58	35.63
8	1	65.13	20.32	30.99	25.59	60.43
	2	36.55	37.13	80.31	8.36	35.41
	3	23.56	205.01	39.57	46.52	23.34
	4	32.08	197.39	86.83	12.47	67.03
	5	25.33	72.50	35.03	373.75	33.95
	6	558.66	46.69	21.20	154.96	36.38
9	1	313.29	25.28	15.53	107.73	23.98
	2	67.43	22.44	26.18	157.48	50.72
	3	60.30	21.67	258.00	624.81	81.85
	4	474.07	51.58	174.85	86.50	56.28
	5	179.56	136.12	153.54	61.35	32.71
	6	169.85	47.97	107.67	42.29	34.81
10	1	112.25	39.80	63.60	60.70	252.78
	2	51.58	27.97	38.05	73.43	61.04
	3	42.50	28.53	29.21	371.21	33.36
	4	121.95	23.48	25.55	69.33	28.81
	5	73.42	19.20	54.17	65.53	25.42
	6	43.98	50.85	37.86	41.21	19.19
11	1	35.20	29.93	39.18	40.93	13.38
	2	32.06	20.61	31.62	50.09	15.06
	3	26.65	20.19	26.09	31.64	18.69
	4	23.07	22.49	28.77	22.34	16.46
	5	18.59	16.56	28.70	20.01	15.91
	6	17.66	14.85	22.21	19.23	23.24
12	1	17.84	13.72	18.62	16.39	17.00
	2	23.62	13.00	16.44	16.61	19.48
	3	15.21	11.52	15.55	14.81	16.89
	4	13.78	11.51	13.68	13.60	15.63
	5	12.78	11.01	12.59	13.94	19.75
	6	11.77	10.13	11.66	11.61	13.65
1	1	11.04	8.41	11.64	12.67	14.77
	2	11.20	10.20	14.43	12.48	14.73
	3	11.11	12.70	14.81	11.11	13.88
	4	10.36	13.60	12.18	8.38	13.90
	5	10.04	9.74	12.23	15.92	16.22
	6	9.99	8.56	17.94	39.76	12.65
2	1	9.22	7.97	14.38	18.75	12.35
	2	9.17	9.36	14.25	20.43	12.58
	3	9.00	8.36	14.60	18.33	11.23
	4	9.03	8.48	12.49	15.24	11.47
	5	8.56	7.17	13.48	13.64	10.82
	6	9.37	6.10	13.26	14.13	11.39
3	1	8.57	7.12	20.54	16.12	12.67
	2	9.13	7.98	16.21	12.74	23.13
	3	13.99	6.01	14.49	14.06	21.69
	4	20.77	7.63	13.98	11.89	17.10
	5	23.73	8.41	17.42	7.69	13.68
	6	26.38	21.89	24.15	4.32	14.36

栗橋地点流量データ (1/4)

単位: m³/s

年度 月・半旬	1983 (S58)	1984 (S59)	1985 (S60)	1986 (S61)	1987 (S62)	
4	1	405.95	166.14	357.73	175.49	161.60
	2	317.36	249.98	443.31	176.65	256.60
	3	491.08	190.57	541.69	210.98	213.18
	4	533.93	309.46	405.49	246.99	173.09
	5	414.63	365.85	563.56	612.49	215.04
	6	300.86	360.89	394.59	434.51	132.84
5	1	235.86	500.95	282.19	260.98	144.82
	2	222.29	372.76	277.05	293.19	80.23
	3	155.53	322.00	198.19	284.71	166.84
	4	302.50	301.93	127.76	428.49	126.30
	5	114.19	220.27	174.33	260.51	167.31
	6	69.00	231.66	137.44	209.79	86.00
6	1	45.06	205.64	69.28	233.14	57.64
	2	58.66	162.44	76.81	155.61	47.41
	3	125.51	135.29	226.24	60.43	16.65
	4	47.82	100.74	195.50	233.57	23.23
	5	321.40	256.73	565.07	162.67	77.64
	6	100.58	479.82	1210.13	351.29	18.34
7	1	343.61	252.56	2353.25	541.93	175.98
	2	584.47	302.49	533.53	332.11	192.10
	3	304.61	288.62	640.06	306.36	175.30
	4	335.49	376.27	345.90	302.08	325.18
	5	448.48	455.78	432.17	311.26	185.08
	6	692.28	457.18	147.28	167.97	176.64
8	1	423.83	276.05	126.44	604.93	107.27
	2	183.57	201.19	84.85	851.63	64.17
	3	157.01	197.59	338.84	204.82	230.95
	4	2717.27	56.28	59.22	312.02	427.18
	5	852.53	58.35	45.98	315.17	388.40
	6	333.25	65.27	85.87	151.65	197.55
9	1	205.01	55.31	55.01	1303.70	216.10
	2	374.93	96.32	140.67	461.27	629.56
	3	286.94	120.35	84.16	345.55	1052.18
	4	332.84	164.41	132.31	334.05	382.06
	5	425.65	153.57	352.61	241.52	308.91
	6	1509.01	138.77	468.79	197.21	518.99
10	1	762.35	148.82	416.92	270.63	280.98
	2	479.57	130.61	384.20	243.69	215.76
	3	383.02	170.27	385.26	257.78	177.72
	4	331.86	160.80	278.77	215.36	271.55
	5	281.21	179.82	212.90	200.60	204.21
	6	257.20	133.29	175.68	172.83	203.12
11	1	215.61	125.51	162.06	159.33	194.69
	2	202.35	126.19	297.76	154.66	214.77
	3	185.89	121.41	213.03	162.76	162.35
	4	171.66	128.06	155.92	140.94	146.75
	5	173.91	132.00	163.64	136.95	139.23
	6	164.62	109.68	159.19	131.72	126.70
12	1	152.94	107.61	142.80	116.65	115.57
	2	148.11	102.14	137.89	114.30	119.01
	3	133.10	159.66	121.56	117.26	129.28
	4	113.89	137.93	117.80	159.11	125.10
	5	118.22	113.39	108.60	135.93	114.38
	6	108.02	102.90	109.94	122.01	115.47
1	1	110.54	92.72	100.84	108.08	96.01
	2	115.74	97.86	98.22	108.92	106.21
	3	115.32	94.31	94.58	100.84	96.13
	4	112.98	93.21	91.47	99.98	92.14
	5	114.33	90.39	92.39	106.38	110.03
	6	109.92	87.12	86.62	98.51	93.51
2	1	108.32	86.74	83.20	100.22	94.22
	2	103.18	155.31	79.41	99.90	97.73
	3	96.74	164.70	80.24	123.75	93.18
	4	99.68	122.11	84.44	102.26	98.28
	5	105.35	154.97	82.13	102.87	80.67
	6	112.57	121.85	78.80	99.27	73.44
3	1	100.02	171.86	76.72	95.70	80.11
	2	100.71	149.43	82.03	95.37	69.87
	3	97.10	186.65	113.89	109.40	88.12
	4	111.94	257.14	123.31	126.89	92.34
	5	115.30	261.47	168.73	356.79	148.06
	6	116.52	288.91	163.80	268.60	144.05

栗橋地点流量データ (2/4)

単位: m³/s

年度 月・半旬	1988 (S63)	1989 (H01)	1990 (H02)	1991 (H03)	1992 (H04)	
4	1	130.70	173.04	318.88	383.73	433.51
	2	177.95	358.72	249.01	611.81	440.35
	3	200.41	354.19	294.90	545.74	440.25
	4	274.19	398.53	322.38	423.55	304.41
	5	316.72	434.01	638.36	310.65	276.35
	6	199.05	359.43	369.51	304.21	227.61
5	1	295.68	248.81	247.89	251.12	296.53
	2	241.90	284.12	329.83	173.86	197.15
	3	290.47	634.14	274.28	196.00	199.16
	4	279.95	325.45	211.00	189.68	274.52
	5	422.68	308.64	147.88	165.11	239.10
	6	258.65	623.38	89.12	133.03	331.15
6	1	409.51	239.79	88.68	183.47	482.25
	2	248.79	175.81	71.25	111.04	411.34
	3	130.16	131.75	90.85	122.64	228.66
	4	183.59	531.52	35.00	90.95	153.32
	5	193.21	474.68	10.87	326.61	713.23
	6	559.61	898.69	90.83	209.32	337.94
7	1	686.99	528.44	207.84	332.61	424.48
	2	279.04	342.30	194.21	417.01	178.77
	3	200.00	428.56	175.83	301.97	216.14
	4	566.78	875.25	120.01	334.17	478.72
	5	357.35	348.38	84.83	242.36	254.72
	6	489.10	924.82	80.10	148.31	161.54
8	1	283.26	928.73	31.66	241.24	433.38
	2	178.99	675.80	396.81	361.69	153.29
	3	1119.54	300.79	1225.57	335.08	249.03
	4	984.34	597.63	168.49	223.27	135.78
	5	807.28	276.41	59.94	2608.73	124.41
	6	1119.09	1106.08	69.55	609.41	167.32
9	1	961.82	659.86	39.36	1136.10	114.35
	2	1270.15	887.22	117.83	486.67	116.00
	3	1123.67	633.35	337.16	664.01	71.88
	4	589.05	540.63	687.89	1622.81	126.92
	5	624.44	792.75	850.90	1197.41	127.78
	6	1436.36	421.54	766.68	487.90	180.60
10	1	610.46	310.56	1459.54	936.53	199.52
	2	612.13	397.14	794.04	889.97	460.87
	3	409.07	471.97	481.49	2295.00	331.78
	4	307.61	439.02	336.59	714.09	398.44
	5	251.83	376.54	249.37	426.28	629.38
	6	215.55	260.35	327.80	570.52	279.73
11	1	210.59	255.06	408.40	342.99	214.95
	2	188.21	211.71	378.93	286.21	185.52
	3	165.62	199.90	292.08	252.46	172.35
	4	168.51	186.35	217.37	213.60	157.56
	5	151.56	170.22	197.71	193.99	208.74
	6	149.80	156.98	322.10	258.41	154.36
12	1	139.06	148.31	1321.39	230.30	159.74
	2	140.51	145.22	323.86	177.56	199.61
	3	133.80	139.06	300.68	163.48	178.04
	4	120.83	143.32	218.52	146.74	142.36
	5	117.11	129.31	196.56	144.73	136.27
	6	110.48	125.60	177.32	159.42	140.10
1	1	104.10	110.50	153.47	129.68	111.01
	2	112.34	117.44	140.56	144.93	152.76
	3	124.05	111.51	142.82	132.01	132.37
	4	118.86	115.12	135.18	124.55	157.38
	5	170.63	111.28	155.68	118.03	129.12
	6	128.65	105.05	127.63	116.48	176.24
2	1	116.19	110.93	122.37	136.21	137.09
	2	117.26	109.41	117.78	121.13	144.25
	3	124.53	117.87	115.90	112.42	129.17
	4	190.12	139.08	234.10	106.05	167.56
	5	161.32	257.99	137.42	101.35	173.67
	6	235.06	285.58	129.94	107.18	153.76
3	1	206.36	264.19	127.60	157.08	144.40
	2	254.96	206.02	156.40	131.90	155.91
	3	198.93	169.65	199.11	142.08	140.84
	4	175.23	162.54	159.68	181.08	141.09
	5	146.11	159.78	337.75	253.69	128.00
	6	172.76	177.43	460.69	318.71	174.94

栗橋地点流量データ (3/4)

単位: m³/s

年度 月・半旬	1993 (H05)	1994 (H06)	1995 (H07)	1996 (H08)	1997 (H09)	
4	1	214.40	204.42	364.61	179.92	237.45
	2	175.95	257.87	298.30	132.06	646.29
	3	138.96	258.43	270.11	113.39	293.03
	4	188.94	271.08	317.06	245.13	199.77
	5	279.68	281.07	396.50	177.72	167.68
	6	229.36	220.48	362.71	311.66	170.99
5	1	259.86	260.77	459.54	462.53	201.52
	2	283.16	204.89	357.43	442.34	213.84
	3	466.04	248.39	558.68	342.48	179.40
	4	315.60	231.84	815.92	287.76	182.79
	5	242.39	130.94	354.25	266.37	532.15
	6	160.13	490.80	229.69	268.90	577.35
6	1	197.94	158.14	251.37	285.26	175.32
	2	171.08	122.29	423.12	165.12	144.47
	3	153.00	178.94	571.16	161.03	250.32
	4	141.99	139.42	1024.16	146.87	215.40
	5	380.01	123.85	607.56	154.00	746.18
	6	247.47	119.04	607.98	310.24	251.03
7	1	733.51	81.66	452.54	154.32	124.35
	2	712.69	115.33	982.19	274.64	96.92
	3	401.20	62.65	889.68	160.57	232.19
	4	590.67	232.66	513.22	165.07	216.42
	5	538.32	94.46	379.77	211.56	91.04
	6	747.89	101.84	216.97	125.32	394.54
8	1	353.01	127.84	130.45	103.14	417.37
	2	446.56	77.24	163.15	26.06	360.74
	3	449.27	44.42	93.10	27.13	251.50
	4	412.93	53.88	117.40	21.17	155.31
	5	310.78	489.70	238.61	33.47	130.18
	6	961.77	145.88	113.37	126.20	268.02
9	1	572.58	140.57	147.45	55.21	254.10
	2	779.39	220.21	94.87	257.31	272.36
	3	918.42	345.96	116.06	330.21	358.07
	4	487.82	1395.06	939.42	192.78	584.77
	5	456.85	549.31	257.46	884.98	408.55
	6	344.64	1018.26	218.91	287.40	567.22
10	1	351.95	1371.68	267.14	277.30	295.65
	2	478.72	535.68	231.55	326.68	220.15
	3	349.86	351.07	179.70	269.98	177.38
	4	256.69	253.88	155.56	230.78	151.11
	5	234.21	268.93	142.00	173.22	134.61
	6	238.82	213.26	135.00	146.46	130.99
11	1	226.09	181.74	117.42	189.73	120.34
	2	176.66	177.46	131.64	187.74	110.02
	3	568.60	150.25	124.63	171.68	115.88
	4	355.12	142.00	124.55	145.67	162.69
	5	269.47	148.60	125.29	144.88	176.17
	6	220.00	133.98	109.48	144.87	280.35
12	1	184.88	132.47	99.00	123.56	258.90
	2	171.52	137.80	103.62	125.56	204.17
	3	177.55	142.28	100.17	110.22	171.24
	4	153.80	124.03	92.04	130.16	148.84
	5	154.55	119.24	94.57	109.75	124.59
	6	140.67	132.74	96.83	102.38	112.81
1	1	122.55	106.11	85.07	100.38	103.07
	2	122.11	108.39	96.19	136.33	121.90
	3	133.12	105.68	90.51	101.38	128.53
	4	127.16	96.95	104.64	93.98	208.52
	5	116.83	111.91	85.90	99.78	168.12
	6	117.96	97.75	84.46	93.41	135.67
2	1	109.51	94.13	84.09	101.25	122.50
	2	116.51	92.04	85.14	92.63	120.85
	3	116.45	93.45	84.95	102.64	129.83
	4	111.48	94.87	94.01	98.99	160.52
	5	179.24	88.69	81.35	86.81	256.43
	6	123.13	89.92	88.97	110.23	224.10
3	1	119.55	102.73	80.05	107.03	119.71
	2	147.31	102.03	86.99	118.34	208.39
	3	154.57	133.91	82.51	121.49	233.21
	4	132.70	191.28	141.16	144.50	199.22
	5	191.52	168.14	154.55	136.93	199.87
	6	157.50	252.67	162.04	187.32	230.13

栗橋地点流量データ (4/4)

単位: m³/s

年度 月・半旬		1998 (H10)	1999 (H11)	2000 (H12)	2001 (H13)	2002 (H14)
4	1	272.33	190.80	153.03	175.57	111.06
	2	474.28	175.95	224.21	232.98	174.86
	3	634.32	454.44	301.15	297.90	210.65
	4	807.11	274.76	209.10	238.21	233.49
	5	433.94	419.32	595.99	168.81	355.55
	6	424.07	651.47	361.21	178.70	240.39
5	1	288.03	372.65	388.47	231.59	186.25
	2	224.38	433.97	365.30	229.67	198.70
	3	234.30	241.35	443.67	190.05	251.91
	4	230.95	203.24	600.03	175.64	331.32
	5	181.27	134.70	446.22	275.03	244.45
	6	259.63	157.81	305.12	229.45	235.41
6	1	136.36	99.51	221.99	211.81	245.14
	2	169.52	79.70	180.99	199.35	251.72
	3	244.04	34.28	376.10	299.11	220.64
	4	173.54	138.85	229.84	478.35	261.83
	5	416.62	100.10	348.01	238.97	165.81
	6	207.86	498.74	350.86	223.07	185.98
7	1	119.57	819.67	500.12	218.73	171.65
	2	190.84	342.12	984.09	86.77	322.42
	3	221.74	1483.99	325.41	65.21	2888.74
	4	117.37	1226.54	386.02	277.21	709.21
	5	322.21	699.41	329.93	199.48	343.73
	6	571.28	299.95	307.87	123.28	231.36
8	1	469.80	137.56	228.12	133.49	364.44
	2	323.90	245.18	460.04	81.71	241.49
	3	182.76	1761.03	321.90	368.14	230.93
	4	272.83	1707.17	384.46	121.56	632.47
	5	205.69	743.47	203.56	1780.67	308.29
	6	2138.18	410.18	130.39	1332.38	216.68
9	1	1536.71	253.20	116.01	877.86	240.15
	2	561.66	216.76	318.96	955.55	461.05
	3	352.97	212.66	1694.21	3470.84	411.22
	4	2762.42	501.91	1130.29	692.43	375.02
	5	1247.10	1035.38	711.80	452.89	262.22
	6	1089.49	423.17	528.03	335.01	268.09
10	1	864.67	304.08	391.87	408.09	1281.87
	2	520.24	222.73	267.20	359.79	445.06
	3	394.51	208.86	207.57	1099.69	294.95
	4	867.00	187.60	192.31	403.20	282.69
	5	675.59	159.07	361.86	394.11	418.18
	6	410.57	415.87	266.51	291.89	287.11
11	1	294.85	263.28	334.28	291.27	204.48
	2	254.06	183.22	244.85	321.63	161.00
	3	223.10	181.91	194.61	243.60	142.80
	4	198.01	202.38	234.47	203.53	133.91
	5	177.43	165.66	219.78	178.69	126.33
	6	166.18	148.46	167.43	174.94	164.31
12	1	163.28	145.53	154.42	162.73	162.10
	2	195.58	149.49	150.82	157.14	185.82
	3	144.84	137.15	144.29	149.27	159.51
	4	137.38	123.03	136.16	140.64	157.25
	5	128.85	121.94	134.38	137.37	177.11
	6	120.02	113.82	125.32	107.72	158.22
1	1	109.55	107.33	110.99	148.40	160.35
	2	113.40	127.57	132.70	148.69	148.52
	3	111.12	153.15	124.28	157.82	146.17
	4	107.16	136.44	110.54	159.06	155.30
	5	103.93	124.35	105.18	262.74	153.86
	6	112.54	117.34	136.92	332.04	164.47
2	1	104.54	112.84	106.71	203.17	156.17
	2	100.31	114.05	111.52	199.67	159.70
	3	93.18	109.48	99.20	169.05	151.41
	4	101.62	114.38	102.17	164.55	147.23
	5	96.41	104.69	133.44	166.22	155.37
	6	94.88	87.98	127.96	156.71	184.76
3	1	99.72	88.09	192.22	193.19	216.84
	2	110.53	100.39	132.98	181.77	267.38
	3	135.00	84.13	118.79	154.01	214.80
	4	301.85	98.92	126.61	135.42	178.90
	5	221.49	106.49	202.78	134.55	141.42
	6	227.66	181.41	261.02	111.51	128.20

関宿地点流量データ (1/4)

単位: m³/s

年度		1983	1984	1985	1986	1987
月・半旬		(S58)	(S59)	(S60)	(S61)	(S62)
4	1	405.95	166.14	357.73	175.49	161.60
	2	317.36	249.98	443.31	176.65	256.60
	3	491.08	190.57	541.69	210.98	213.18
	4	533.93	309.46	405.49	246.99	173.09
	5	414.63	365.85	563.56	612.49	215.04
	6	300.86	360.89	394.59	434.51	132.84
5	1	235.86	500.95	282.19	260.98	144.82
	2	222.29	372.76	277.05	293.19	80.23
	3	155.53	322.00	198.19	284.71	166.84
	4	302.50	301.93	127.76	428.49	126.30
	5	114.19	220.27	174.33	260.51	167.31
	6	69.00	231.66	137.44	209.79	86.00
6	1	45.06	205.64	69.28	233.14	57.64
	2	58.66	162.44	76.81	155.61	47.41
	3	125.51	135.29	226.24	60.43	16.65
	4	47.82	100.74	195.50	233.57	23.23
	5	321.40	256.73	565.07	162.67	77.64
	6	100.58	479.82	1210.13	351.29	18.34
7	1	343.61	252.56	2353.25	541.93	175.98
	2	584.47	302.49	533.53	332.11	192.10
	3	304.61	288.62	640.06	306.36	175.30
	4	335.49	376.27	345.90	302.08	325.18
	5	448.48	455.78	432.17	311.26	185.08
	6	692.28	457.18	147.28	167.97	176.64
8	1	423.83	276.05	126.44	604.93	107.27
	2	183.57	201.19	84.85	851.63	64.17
	3	157.01	197.59	338.84	204.82	230.95
	4	2717.27	56.28	59.22	312.02	427.18
	5	852.53	58.35	45.98	315.17	388.40
	6	333.25	65.27	85.87	151.65	197.55
9	1	205.01	55.31	55.01	1303.70	216.10
	2	374.93	96.32	140.67	461.27	629.56
	3	286.94	120.35	84.16	345.55	1052.18
	4	332.84	164.41	132.31	334.05	382.06
	5	425.65	153.57	352.61	241.52	308.91
	6	1509.01	138.77	468.79	197.21	518.99
10	1	762.35	148.82	416.92	270.63	280.98
	2	479.57	130.61	384.20	243.69	215.76
	3	383.02	170.27	385.26	257.78	177.72
	4	331.86	160.80	278.77	215.36	271.55
	5	281.21	179.82	212.90	200.60	204.21
	6	257.20	133.29	175.68	172.83	203.12
11	1	215.61	125.51	162.06	159.33	194.69
	2	202.35	126.19	297.76	154.66	214.77
	3	185.89	121.41	213.03	162.76	162.35
	4	171.66	128.06	155.92	140.94	146.75
	5	173.91	132.00	163.64	136.95	139.23
	6	164.62	109.68	159.19	131.72	126.70
12	1	152.94	107.61	142.80	116.65	115.57
	2	148.11	102.14	137.89	114.30	119.01
	3	133.10	159.66	121.56	117.26	129.28
	4	113.89	137.93	117.80	159.11	125.10
	5	118.22	113.39	108.60	135.93	114.38
	6	108.02	102.90	109.94	122.01	115.47
1	1	110.54	92.72	100.84	108.08	96.01
	2	115.74	97.86	98.22	108.92	106.21
	3	115.32	94.31	94.58	100.84	96.13
	4	112.98	93.21	91.47	99.98	92.14
	5	114.33	90.39	92.39	106.38	110.03
	6	109.92	87.12	86.62	98.51	93.51
2	1	108.32	86.74	83.20	100.22	94.22
	2	103.18	155.31	79.41	99.90	97.73
	3	96.74	164.70	80.24	123.75	93.18
	4	99.68	122.11	84.44	102.26	98.28
	5	105.35	154.97	82.13	102.87	80.67
	6	112.57	121.85	78.80	99.27	73.44
3	1	100.02	171.86	76.72	95.70	80.11
	2	100.71	149.43	82.03	95.37	69.87
	3	97.10	186.65	113.89	109.40	88.12
	4	111.94	257.14	123.31	126.89	92.34
	5	115.30	261.47	168.73	356.79	148.06
	6	116.52	288.91	163.80	268.60	144.05

関宿地点流量データ (2/4)

単位: m³/s

年度		1988	1989	1990	1991	1992
月・半旬		(S63)	(H01)	(H02)	(H03)	(H04)
4	1	130.70	173.04	318.88	383.73	433.51
	2	177.95	358.72	249.01	611.81	440.35
	3	200.41	354.19	294.90	545.74	440.25
	4	274.19	398.53	322.38	423.55	304.41
	5	316.72	434.01	638.36	310.65	276.35
	6	199.05	359.43	369.51	304.21	227.61
5	1	295.68	248.81	247.89	251.12	296.53
	2	241.90	284.12	329.83	173.86	197.15
	3	290.47	634.14	274.28	196.00	199.16
	4	279.95	325.45	211.00	189.68	274.52
	5	422.68	308.64	147.88	165.11	239.10
	6	253.65	623.38	89.12	133.03	331.15
6	1	409.51	239.79	88.68	183.47	482.25
	2	248.79	175.81	71.25	111.04	411.34
	3	130.16	131.75	90.85	122.64	228.66
	4	183.59	531.52	35.00	90.95	153.32
	5	193.21	474.68	10.87	326.61	713.23
	6	559.61	898.69	90.83	209.32	337.94
7	1	686.99	528.44	207.84	332.61	424.48
	2	279.04	342.30	194.21	417.01	178.77
	3	200.00	428.56	175.83	301.97	216.14
	4	566.78	875.25	120.01	334.17	428.72
	5	357.35	348.38	84.83	242.36	254.72
	6	489.10	924.82	80.10	148.31	161.54
8	1	283.26	928.73	31.66	241.24	433.38
	2	178.99	675.80	396.81	361.69	153.29
	3	1119.54	300.79	1225.57	335.08	249.03
	4	984.34	597.63	168.49	223.27	135.78
	5	807.28	276.41	59.94	2608.73	124.41
	6	1119.09	1106.08	69.55	609.41	167.32
9	1	961.82	659.86	39.36	1136.10	114.35
	2	1270.15	887.22	117.83	486.67	116.00
	3	1123.67	633.35	337.16	664.01	71.88
	4	589.05	540.63	687.89	1622.81	126.92
	5	624.44	792.75	850.90	1197.41	127.78
	6	1436.36	421.54	766.68	487.90	180.60
10	1	610.46	310.56	1459.54	936.53	199.52
	2	612.13	397.14	794.04	889.97	460.87
	3	409.07	471.97	481.49	2295.00	331.78
	4	307.61	439.02	336.59	714.09	398.44
	5	251.83	376.54	249.37	426.28	629.38
	6	215.55	260.35	327.80	570.52	279.73
11	1	210.59	255.06	408.40	342.99	214.95
	2	188.21	211.71	378.93	286.21	185.52
	3	165.62	199.90	292.08	252.46	172.35
	4	168.51	186.35	217.37	213.60	157.56
	5	151.56	170.22	197.71	193.99	208.74
	6	149.80	156.98	322.10	258.41	154.36
12	1	139.06	148.31	1321.39	230.30	159.74
	2	140.51	145.22	323.86	177.56	199.61
	3	133.80	139.06	300.68	163.48	178.04
	4	120.83	143.32	218.52	146.74	142.36
	5	117.11	129.31	196.56	144.73	136.27
	6	110.48	125.60	177.32	159.42	140.10
1	1	104.10	110.50	153.47	129.68	111.01
	2	112.34	117.44	140.56	144.93	152.76
	3	124.05	111.51	142.82	132.01	132.37
	4	118.86	115.12	135.18	124.55	157.38
	5	170.63	111.28	155.68	118.03	129.12
	6	128.65	105.05	127.63	116.48	176.24
2	1	116.19	110.93	122.37	136.21	137.09
	2	117.26	109.41	117.78	121.13	144.25
	3	124.53	117.87	115.90	112.42	129.17
	4	190.12	139.08	234.10	106.05	167.56
	5	161.32	257.99	137.42	101.35	173.67
	6	235.06	285.58	129.94	107.18	153.76
3	1	206.36	264.19	127.60	157.08	144.40
	2	254.96	206.02	156.40	131.90	155.91
	3	198.93	169.65	199.11	142.08	140.84
	4	175.23	162.54	159.68	181.08	141.09
	5	146.11	159.78	337.75	253.69	128.00
	6	172.76	177.43	460.69	318.71	174.94

関宿地点流量データ (3/4)

単位: m³/s

年度 月・半旬	1993 (H05)	1994 (H06)	1995 (H07)	1996 (H08)	1997 (H09)	
4	1	214.40	204.42	364.61	179.92	237.45
	2	175.95	257.87	298.30	132.06	646.29
	3	138.96	258.43	270.11	113.39	293.03
	4	188.94	271.08	317.06	245.13	199.77
	5	279.68	281.07	396.50	177.72	167.68
	6	229.36	220.48	362.71	311.66	170.99
5	1	259.86	260.77	459.54	462.53	201.52
	2	283.16	204.89	357.43	442.34	213.84
	3	466.04	248.39	558.68	342.48	179.40
	4	315.60	231.84	815.92	287.76	182.79
	5	242.39	130.94	354.25	266.37	532.15
	6	160.13	490.80	229.69	268.90	577.35
6	1	197.94	158.14	251.37	285.26	175.32
	2	171.08	122.29	423.12	165.12	144.47
	3	153.00	178.94	571.16	161.03	250.32
	4	141.99	139.42	1024.16	146.87	215.40
	5	380.01	123.85	607.56	154.00	746.18
	6	247.47	119.04	607.98	310.24	251.03
7	1	733.51	81.66	452.54	154.32	124.35
	2	712.69	115.33	982.19	274.64	96.92
	3	401.20	62.65	889.68	160.57	232.19
	4	590.67	232.66	513.22	165.07	216.42
	5	538.32	94.46	379.77	211.56	91.04
	6	747.89	101.84	216.97	125.32	394.54
8	1	353.01	127.84	130.45	103.14	417.37
	2	446.56	77.24	163.15	26.06	360.74
	3	449.27	44.42	93.10	27.13	251.50
	4	412.93	53.88	117.40	21.17	155.31
	5	310.78	489.70	238.61	33.47	130.18
	6	961.77	145.88	113.37	126.20	268.02
9	1	572.58	140.57	147.45	55.21	254.10
	2	779.39	220.21	94.87	257.31	272.36
	3	918.42	345.96	116.06	330.21	358.07
	4	487.82	1395.06	939.42	192.78	584.77
	5	456.85	549.31	257.46	884.98	408.55
	6	344.64	1018.26	218.91	287.40	567.22
10	1	351.95	1371.68	267.14	277.30	295.65
	2	478.72	535.68	231.55	326.68	220.15
	3	349.86	351.07	179.70	269.98	177.38
	4	256.69	253.88	155.56	230.78	151.11
	5	234.21	268.93	142.00	173.22	134.61
	6	238.82	213.26	135.00	146.46	130.99
11	1	226.09	181.74	117.42	189.73	120.34
	2	176.66	177.46	131.64	187.74	110.02
	3	568.60	150.25	124.63	171.68	115.88
	4	355.12	142.00	124.55	145.67	162.69
	5	269.47	148.60	125.29	144.88	176.17
	6	220.00	133.98	109.48	144.87	280.35
12	1	184.88	132.47	99.00	123.56	258.90
	2	171.52	137.80	103.62	125.56	204.17
	3	177.55	142.28	100.17	110.22	171.24
	4	153.80	124.03	92.04	130.16	148.84
	5	154.55	119.24	94.57	109.75	124.59
	6	140.67	132.74	96.83	102.38	112.81
1	1	122.55	106.11	85.07	100.38	103.07
	2	122.11	108.39	96.19	136.33	121.90
	3	133.12	105.68	90.51	101.38	123.53
	4	127.16	96.95	104.64	93.98	208.52
	5	116.83	111.91	85.90	99.78	168.12
	6	117.96	97.75	84.46	93.41	135.67
2	1	109.51	94.13	84.09	101.25	122.50
	2	116.51	92.04	85.14	92.63	120.55
	3	116.45	93.45	84.95	102.64	129.83
	4	111.48	94.87	94.01	98.99	160.52
	5	179.24	88.69	81.35	86.81	256.43
	6	123.13	89.92	88.97	110.23	224.10
3	1	119.55	102.73	80.05	107.03	319.71
	2	147.31	102.03	86.99	118.34	208.39
	3	154.57	133.91	82.51	121.49	233.21
	4	132.70	191.28	141.16	144.50	199.22
	5	191.52	168.14	154.55	136.93	199.87
	6	157.50	252.67	162.04	187.32	230.13

関宿地点流量データ (4/4)

単位: m³/s

年度 月・半旬		1998 (H10)	1999 (H11)	2000 (H12)	2001 (H13)	2002 (H14)
4	1	272.33	190.80	153.03	175.57	111.06
	2	474.28	175.95	224.21	232.98	174.86
	3	634.32	454.44	301.15	297.90	210.65
	4	807.11	274.76	209.10	238.21	233.49
	5	433.94	419.32	595.99	168.81	355.55
	6	424.07	651.47	361.21	178.70	240.39
5	1	288.03	372.65	388.47	231.59	186.25
	2	224.38	433.97	365.30	229.67	198.70
	3	234.30	241.35	443.67	190.05	251.91
	4	230.95	203.24	600.03	175.64	331.32
	5	181.27	134.70	446.22	275.03	244.45
	6	259.63	157.81	305.12	229.45	235.41
6	1	136.36	99.51	221.99	211.81	245.14
	2	169.52	79.70	180.99	199.35	251.72
	3	244.04	34.28	376.10	299.11	220.64
	4	173.54	138.85	229.84	478.35	261.83
	5	416.62	100.10	348.01	238.97	165.81
	6	207.86	498.74	350.86	223.07	185.98
7	1	119.57	819.67	500.12	218.73	171.65
	2	190.84	342.12	984.09	86.77	322.42
	3	221.74	1483.99	325.41	65.21	2888.74
	4	117.37	1226.54	386.02	277.21	709.21
	5	322.21	699.41	329.93	199.48	343.73
	6	571.28	299.95	307.87	123.28	231.36
8	1	469.80	137.56	228.12	133.49	364.44
	2	323.90	245.18	460.04	81.71	241.49
	3	182.76	1761.03	321.90	368.14	230.93
	4	272.83	1707.17	384.46	121.56	632.47
	5	205.69	743.47	203.56	1780.67	308.29
	6	2138.18	410.18	130.39	1332.38	216.68
9	1	1536.71	253.20	116.01	877.86	240.15
	2	561.66	216.76	318.96	955.55	461.05
	3	352.97	212.66	1694.21	3470.84	411.22
	4	2762.42	501.91	1130.29	692.43	375.02
	5	1247.10	1035.38	711.80	452.89	262.22
	6	1089.49	423.17	528.03	335.01	268.09
10	1	864.67	304.08	391.87	408.09	1281.87
	2	520.24	222.73	267.20	359.79	445.06
	3	394.51	208.86	207.57	1099.69	294.95
	4	867.00	187.60	192.31	403.20	282.69
	5	675.59	159.07	361.86	394.11	418.18
	6	410.57	415.87	266.51	291.89	287.11
11	1	294.85	263.28	334.28	291.27	204.48
	2	254.06	183.22	244.85	321.63	161.00
	3	223.10	181.91	194.61	243.60	142.80
	4	198.01	202.38	234.47	203.53	133.91
	5	177.43	165.66	219.78	178.69	126.33
	6	166.18	148.46	167.43	174.94	164.31
12	1	163.28	145.53	154.42	162.73	162.10
	2	195.58	149.49	150.82	157.14	185.82
	3	144.84	137.15	144.29	149.27	159.51
	4	137.38	123.03	136.16	140.64	157.25
	5	128.85	121.94	134.38	137.37	177.11
	6	120.02	113.82	125.32	107.72	158.22
1	1	109.55	107.33	110.99	148.40	160.35
	2	113.40	127.57	132.70	148.69	148.52
	3	111.12	153.15	124.28	157.82	146.17
	4	107.16	136.44	110.54	159.06	155.30
	5	103.93	124.35	105.18	262.74	153.86
	6	112.54	117.34	136.92	332.04	164.47
2	1	104.54	112.84	106.71	203.17	156.17
	2	100.31	114.05	111.52	199.67	159.70
	3	93.18	109.48	99.20	169.05	151.41
	4	101.62	114.38	102.17	164.55	147.23
	5	96.41	104.69	133.44	166.22	155.37
	6	94.88	87.98	127.96	156.71	184.76
3	1	99.72	88.09	192.22	193.19	216.84
	2	110.53	100.39	132.98	181.77	267.38
	3	135.00	84.13	118.79	154.01	214.80
	4	301.85	98.92	126.61	135.42	178.90
	5	221.49	106.49	202.78	134.55	141.42
	6	227.66	181.41	261.02	111.51	128.20

佐貫地点流量データ (1/4)

単位: m³/s

年度		1983	1984	1985	1986	1987
月・半旬		(S58)	(S59)	(S60)	(S61)	(S62)
4	1	132.40	33.33	69.12	32.26	29.45
	2	52.54	53.58	65.14	30.09	31.45
	3	60.79	41.75	75.13	36.22	27.52
	4	53.36	80.53	49.12	33.26	15.87
	5	40.06	74.84	59.82	98.61	16.91
	6	29.46	55.06	37.66	65.53	14.05
5	1	21.89	89.12	29.39	33.89	15.69
	2	26.00	55.24	32.12	31.10	10.68
	3	20.28	41.89	23.25	62.12	24.37
	4	34.53	37.20	19.70	70.72	19.36
	5	19.74	23.79	22.76	52.91	28.91
	6	16.19	25.77	17.60	33.69	17.93
6	1	13.46	22.02	13.74	25.01	12.54
	2	12.75	23.34	13.32	18.57	15.90
	3	20.87	17.74	19.76	19.90	12.75
	4	19.03	16.89	22.47	26.47	17.85
	5	32.50	27.41	51.10	30.77	26.16
	6	17.79	43.73	86.64	37.85	15.42
7	1	46.01	27.47	198.36	64.68	25.08
	2	69.56	35.65	81.12	43.80	20.37
	3	39.14	41.59	73.08	38.09	32.83
	4	41.44	70.70	55.45	42.10	38.28
	5	52.10	44.62	104.05	39.92	21.94
	6	100.11	29.28	46.33	32.03	18.89
8	1	53.17	32.48	34.39	164.79	23.31
	2	35.72	25.12	28.65	147.12	26.68
	3	64.61	22.43	38.45	65.48	37.03
	4	413.89	17.62	23.97	47.23	42.95
	5	103.35	16.37	21.02	72.46	33.03
	6	60.47	17.07	20.94	32.34	28.44
9	1	39.27	16.61	19.10	234.95	39.93
	2	38.85	19.00	21.49	93.31	343.12
	3	31.05	18.20	19.50	61.25	108.52
	4	30.40	20.59	21.64	56.19	50.73
	5	33.64	17.31	36.10	59.26	73.95
	6	119.52	14.97	54.60	41.60	70.52
10	1	57.71	13.22	42.24	41.59	39.52
	2	41.36	14.86	42.45	36.52	31.33
	3	34.73	21.22	47.07	47.00	26.09
	4	24.64	22.07	33.94	37.16	71.18
	5	20.50	16.65	26.25	31.00	35.61
	6	19.42	15.07	24.68	24.69	26.15
11	1	19.91	12.25	19.53	22.84	1.50
	2	19.44	11.49	40.34	19.47	0.00
	3	20.33	11.99	26.72	23.71	0.00
	4	20.04	13.33	23.00	23.04	4.90
	5	21.92	12.62	23.18	18.43	2.43
	6	22.54	11.90	22.74	17.47	1.39
12	1	23.94	11.83	21.15	16.22	1.01
	2	20.77	11.16	20.51	16.73	2.40
	3	19.51	13.28	18.29	17.85	4.38
	4	16.99	13.83	16.90	26.37	2.32
	5	16.46	12.60	16.44	21.58	3.04
	6	15.07	10.72	15.87	19.73	3.75
1	1	14.19	10.30	16.22	18.58	14.47
	2	12.44	9.94	15.68	17.62	14.05
	3	12.26	10.52	14.93	16.54	13.54
	4	12.13	10.16	13.90	16.16	12.98
	5	14.71	9.49	12.45	14.14	16.64
	6	14.18	9.78	9.99	15.02	14.65
2	1	13.58	9.40	13.53	8.33	14.43
	2	12.22	23.42	12.09	15.41	14.65
	3	13.67	16.81	13.06	20.47	13.68
	4	10.50	14.55	11.79	16.54	12.61
	5	9.41	14.76	12.61	16.35	13.10
	6	12.80	16.56	12.59	15.26	13.05
3	1	11.57	18.12	12.22	15.06	12.94
	2	10.42	19.98	14.23	16.40	12.87
	3	12.83	20.37	17.09	21.58	20.61
	4	15.30	35.53	20.09	26.69	20.14
	5	14.39	36.19	13.68	91.67	38.76
	6	16.48	49.12	16.07	43.15	26.49

佐貫地点流量データ (2/4)

単位: m³/s

年度		1988	1989	1990	1991	1992
月・半旬		(S63)	(H01)	(H02)	(H03)	(H04)
4	1	26.26	25.12	50.98	59.61	72.56
	2	30.97	79.09	42.60	95.78	57.17
	3	37.16	61.22	39.76	82.43	54.80
	4	63.90	55.79	39.23	56.38	55.79
	5	54.19	42.77	74.29	33.01	34.88
	6	36.75	35.37	51.80	33.08	31.50
5	1	37.87	30.34	43.83	28.02	68.57
	2	34.71	32.79	48.90	19.74	41.13
	3	54.25	66.28	41.65	20.52	33.25
	4	41.07	33.54	34.91	19.43	36.30
	5	53.93	27.37	31.31	18.33	45.69
	6	34.94	55.20	23.12	17.40	71.52
6	1	54.69	35.16	20.87	16.04	78.52
	2	32.32	24.50	22.73	13.66	77.88
	3	29.84	19.67	20.23	16.90	50.81
	4	27.64	85.27	20.10	19.45	37.39
	5	21.94	80.90	19.17	32.58	78.65
	6	79.84	93.55	24.50	22.22	55.17
7	1	90.64	60.61	36.41	42.34	69.69
	2	50.04	44.00	28.89	23.87	48.96
	3	41.60	43.40	29.97	22.72	47.87
	4	78.87	70.65	24.13	35.09	89.70
	5	43.03	40.20	21.90	22.72	52.22
	6	55.16	112.74	17.08	17.50	35.60
8	1	38.57	121.68	3.77	31.13	42.67
	2	73.68	209.12	61.65	81.05	43.42
	3	395.48	77.24	60.79	64.66	46.12
	4	148.74	83.10	56.40	89.49	33.15
	5	102.41	50.25	38.42	277.31	31.20
	6	202.22	358.03	29.73	157.88	30.93
9	1	115.87	177.26	24.56	143.42	23.31
	2	181.67	244.48	34.66	79.33	20.17
	3	156.97	111.37	36.78	100.54	17.87
	4	103.64	111.60	74.43	247.70	19.75
	5	141.32	135.40	56.54	134.00	17.61
	6	200.72	74.66	78.66	82.45	19.31
10	1	102.44	58.96	84.07	130.53	18.86
	2	80.15	49.74	106.70	110.81	32.65
	3	50.87	55.65	76.23	289.67	24.20
	4	42.47	74.80	61.35	117.95	39.66
	5	34.65	62.29	48.95	84.60	76.79
	6	30.16	42.36	61.42	81.74	31.58
11	1	26.77	34.87	92.73	59.32	25.48
	2	23.59	31.24	74.90	49.28	23.32
	3	22.65	29.67	49.06	42.71	21.96
	4	21.69	27.36	50.47	31.73	18.66
	5	21.36	23.88	43.32	29.07	24.28
	6	20.48	22.91	83.39	31.30	20.27
12	1	18.64	21.85	96.65	28.76	17.96
	2	17.58	19.22	60.39	25.01	25.84
	3	16.55	19.78	68.41	22.62	23.68
	4	16.04	19.59	46.00	21.28	20.40
	5	15.39	17.86	41.53	20.16	18.97
	6	14.23	18.82	42.01	20.70	19.00
1	1	13.69	22.63	28.48	19.28	18.28
	2	14.40	21.49	27.19	22.07	20.09
	3	16.40	21.41	24.57	20.01	18.54
	4	15.04	21.09	23.04	19.22	19.30
	5	18.33	20.12	22.74	18.34	17.14
	6	14.86	19.54	19.76	17.81	19.49
2	1	14.33	20.03	19.59	18.87	17.08
	2	14.38	19.66	19.35	18.24	21.90
	3	14.16	22.29	26.50	16.91	19.09
	4	18.23	35.22	57.58	17.15	26.73
	5	17.29	61.06	25.70	16.15	29.54
	6	21.11	51.42	25.89	17.05	26.24
3	1	29.76	43.11	24.16	31.09	23.35
	2	25.11	33.62	31.58	26.10	27.66
	3	23.95	32.62	33.87	25.02	21.75
	4	22.48	28.68	29.48	35.07	17.79
	5	19.56	29.30	69.34	36.32	20.75
	6	22.13	28.97	88.45	51.13	28.52

佐貫地点流量データ (3/4)

単位: m³/s

年度 月・半旬		1993 (H05)	1994 (H06)	1995 (H07)	1996 (H08)	1997 (H09)
4	1	35.39	34.38	62.88	50.13	37.58
	2	29.17	44.83	60.84	26.23	89.64
	3	21.39	44.54	43.06	25.09	34.96
	4	21.28	34.21	44.39	54.35	20.30
	5	29.55	26.60	46.78	28.27	15.93
	6	27.52	22.32	38.70	53.26	14.72
5	1	30.17	22.04	44.52	57.94	16.58
	2	28.02	23.46	33.84	80.83	19.18
	3	41.05	21.68	162.28	55.79	15.44
	4	30.13	33.87	193.62	37.30	14.47
	5	22.08	17.57	58.61	32.13	80.40
	6	16.59	35.80	44.58	28.16	61.88
6	1	42.89	17.72	42.94	27.36	26.68
	2	30.84	23.36	67.12	19.67	23.27
	3	30.03	22.17	208.00	19.19	35.65
	4	24.45	27.64	286.17	19.08	88.02
	5	40.40	21.36	85.99	19.69	109.64
	6	30.49	17.66	80.66	25.31	78.37
7	1	106.54	17.95	64.39	16.55	38.51
	2	77.29	14.58	69.29	19.20	28.87
	3	75.06	12.63	116.46	17.44	32.13
	4	92.58	16.38	79.10	14.68	54.90
	5	96.69	12.47	61.49	21.62	30.81
	6	143.78	15.94	42.56	26.84	86.93
8	1	50.13	34.59	32.02	22.29	82.10
	2	66.70	17.05	26.13	15.35	60.50
	3	137.27	11.20	24.56	11.96	38.93
	4	66.30	1.98	23.13	11.83	31.94
	5	49.53	55.59	30.89	12.51	23.20
	6	277.56	30.99	26.44	17.10	27.98
9	1	182.73	23.48	23.98	13.08	21.31
	2	175.00	30.66	21.01	23.26	23.75
	3	154.97	51.56	21.02	25.95	44.84
	4	78.00	65.95	121.34	21.05	111.89
	5	67.04	42.07	31.03	85.67	62.02
	6	48.97	229.17	25.59	32.18	86.05
10	1	46.98	176.35	25.78	26.06	46.57
	2	48.25	71.10	27.51	29.85	31.89
	3	40.60	42.60	20.33	23.99	29.39
	4	32.79	31.27	18.41	19.45	21.99
	5	29.44	33.64	18.28	17.21	19.58
	6	31.34	33.68	17.42	15.74	19.50
11	1	29.16	26.93	17.31	17.58	16.77
	2	24.64	23.28	22.09	17.10	16.85
	3	170.72	20.48	23.10	15.97	16.79
	4	64.40	19.28	18.71	15.08	22.01
	5	47.79	24.32	17.36	16.37	24.50
	6	36.08	16.64	13.72	17.51	75.49
12	1	35.26	13.56	14.69	13.04	47.68
	2	28.02	19.90	16.48	12.97	36.17
	3	28.08	23.17	13.86	12.92	29.71
	4	23.27	20.01	14.04	14.10	24.77
	5	22.95	18.77	14.44	13.75	23.00
	6	21.95	20.15	13.12	13.26	17.93
1	1	20.35	20.71	13.04	13.93	17.34
	2	17.75	19.80	14.68	14.88	18.22
	3	17.88	19.91	13.91	13.77	16.90
	4	16.88	18.43	17.33	13.93	42.70
	5	16.41	19.36	14.75	12.72	25.87
	6	15.43	19.05	14.21	12.00	18.64
2	1	16.50	17.95	13.31	11.91	18.15
	2	15.34	17.86	14.56	11.92	17.57
	3	16.04	17.20	14.20	12.39	21.34
	4	14.45	16.93	17.37	13.65	22.97
	5	34.94	16.66	13.87	12.50	45.75
	6	18.98	16.29	14.37	15.21	27.69
3	1	18.04	16.79	13.89	17.20	33.53
	2	25.85	16.21	13.06	19.21	24.13
	3	28.31	18.95	12.58	19.51	30.77
	4	20.96	50.06	25.89	21.35	26.55
	5	31.39	32.54	39.20	21.02	31.83
	6	29.52	52.96	38.07	29.02	38.60

佐貫地点流量データ (4/4)

単位: m³/s

年度 月・半旬		1998 (H10)	1999 (H11)	2000 (H12)	2001 (H13)	2002 (H14)
4	1	41.40	33.37	41.67	27.27	58.70
	2	56.33	34.70	54.24	41.03	49.20
	3	80.74	73.58	87.03	51.74	37.91
	4	79.94	39.86	48.33	30.24	43.76
	5	43.73	86.38	155.88	24.62	42.69
	6	39.73	118.46	62.36	22.18	44.73
5	1	32.96	66.28	125.20	24.05	43.29
	2	31.41	60.33	67.55	25.43	38.07
	3	30.56	41.59	82.71	19.77	39.33
	4	30.20	34.50	82.65	17.66	41.07
	5	29.26	26.34	56.93	25.64	42.50
	6	32.32	26.58	42.80	27.54	38.66
6	1	25.58	19.07	32.78	18.37	38.34
	2	24.61	17.88	27.90	20.14	33.33
	3	38.52	16.67	28.75	44.30	31.49
	4	33.32	18.38	31.17	52.83	30.26
	5	31.59	18.46	36.31	31.71	31.66
	6	25.21	112.27	35.71	31.46	33.23
7	1	21.26	85.31	56.59	21.29	29.13
	2	19.72	39.41	119.30	17.76	106.71
	3	19.58	480.77	52.11	21.16	302.33
	4	15.06	230.00	77.57	70.58	78.45
	5	50.77	92.10	53.31	42.40	74.64
	6	100.09	67.86	44.35	28.01	52.65
8	1	70.67	44.40	47.49	20.96	47.64
	2	48.67	43.32	63.97	19.42	46.44
	3	37.93	320.86	53.10	27.49	45.75
	4	57.29	203.03	43.56	18.41	80.44
	5	42.52	144.25	33.55	520.03	55.59
	6	753.22	91.22	33.31	143.16	38.63
9	1	232.92	59.82	27.33	75.43	41.27
	2	90.03	51.92	59.15	394.32	76.31
	3	58.93	62.61	184.52	819.83	61.59
	4	672.62	99.18	102.27	134.36	54.81
	5	360.25	127.57	76.82	66.92	40.82
	6	133.62	65.83	57.21	58.97	42.07
10	1	89.88	47.08	53.29	60.02	176.46
	2	69.52	39.26	42.51	114.63	60.97
	3	52.55	34.53	33.70	166.77	39.34
	4	172.04	28.89	33.37	63.34	32.51
	5	89.08	25.36	36.24	51.53	47.03
	6	56.23	59.69	31.67	43.57	30.52
11	1	42.08	37.14	29.03	41.42	31.41
	2	37.32	28.64	27.42	53.34	20.75
	3	32.29	25.82	24.54	37.49	25.27
	4	28.59	32.01	30.00	31.32	24.64
	5	25.65	27.93	38.52	28.11	21.48
	6	24.01	23.62	29.33	26.44	33.09
12	1	20.52	24.23	22.59	23.41	25.87
	2	23.33	23.51	22.12	22.12	29.11
	3	20.34	22.08	20.79	21.21	23.07
	4	18.84	22.18	20.23	20.60	22.85
	5	18.32	17.98	19.83	19.94	19.05
	6	17.61	18.17	19.36	18.19	16.53
1	1	17.75	16.74	19.04	11.18	15.92
	2	17.31	19.99	20.43	11.02	19.59
	3	17.69	26.77	20.86	9.32	16.47
	4	17.42	21.80	17.18	20.37	13.33
	5	16.90	19.45	16.49	46.65	19.40
	6	16.68	16.25	16.96	50.78	24.59
2	1	15.79	16.04	15.78	40.07	17.46
	2	15.13	15.13	16.58	37.02	18.04
	3	15.27	16.10	14.60	28.12	21.72
	4	15.47	15.56	15.27	19.82	20.71
	5	16.28	14.51	18.90	17.74	18.35
	6	17.00	13.77	16.98	17.99	20.30
3	1	17.60	14.75	21.08	14.67	35.16
	2	21.64	16.93	20.35	13.82	40.69
	3	19.66	16.45	17.43	12.73	25.51
	4	54.19	16.57	27.48	20.36	23.64
	5	37.98	21.86	47.60	32.29	19.42
	6	46.52	77.03	47.55	68.90	29.71

勝瓜地点流量データ (1/4)

単位 : m³/s

年度 月・半旬	1983 (S58)	1984 (S59)	1985 (S60)	1986 (S61)	1987 (S62)	
4	1	136.59	18.89	62.06	17.35	16.61
	2	45.09	43.77	57.59	15.80	17.30
	3	55.72	30.68	69.61	23.31	14.75
	4	45.54	71.64	42.35	23.20	5.48
	5	32.72	66.75	54.80	101.71	8.38
	6	20.95	46.78	29.41	62.61	5.79
5	1	13.43	87.92	20.69	26.65	7.31
	2	16.66	47.79	22.76	23.07	1.09
	3	10.66	33.82	13.53	55.93	14.52
	4	24.53	30.18	8.95	67.12	8.57
	5	9.17	13.63	11.31	47.05	15.35
	6	4.74	14.83	5.68	25.15	3.57
6	1	1.44	10.31	1.37	15.97	0.00
	2	1.03	13.82	1.32	8.63	5.01
	3	9.69	7.03	8.75	8.93	0.00
	4	7.01	5.43	11.41	18.85	8.72
	5	23.80	16.47	44.96	21.06	12.25
	6	6.79	34.19	87.48	29.58	1.17
7	1	39.65	15.55	239.64	60.72	11.85
	2	68.57	24.04	82.71	35.12	5.71
	3	33.30	31.11	72.77	27.81	19.78
	4	33.43	67.97	50.45	31.64	25.22
	5	44.25	37.48	111.45	29.92	8.04
	6	105.01	18.41	41.35	20.14	4.57
8	1	48.69	21.09	24.92	179.24	8.82
	2	30.85	13.41	17.79	166.90	15.00
	3	59.17	10.42	29.49	61.43	24.90
	4	512.06	4.83	11.40	38.22	31.83
	5	113.48	3.49	8.68	70.56	22.29
	6	58.38	4.13	8.71	22.33	16.79
9	1	30.99	2.61	4.26	267.06	27.09
	2	28.85	4.59	6.61	96.53	410.47
	3	20.71	3.16	4.24	61.09	117.95
	4	20.70	5.11	6.44	53.87	48.48
	5	23.96	2.52	25.61	54.96	73.43
	6	126.14	1.06	47.80	33.19	69.48
10	1	67.29	11.49	46.76	43.12	43.43
	2	47.86	13.25	46.69	39.45	33.03
	3	39.67	19.99	51.80	50.98	25.84
	4	26.47	20.81	37.01	39.66	78.51
	5	21.44	14.72	27.52	32.21	35.66
	6	20.19	13.31	25.26	24.89	26.12
11	1	18.37	10.01	18.38	22.76	1.37
	2	17.79	8.73	42.31	18.84	0.84
	3	18.56	9.25	27.39	22.80	0.55
	4	18.42	10.72	22.82	22.81	4.37
	5	20.58	9.90	22.66	16.51	1.97
	6	21.47	9.09	21.99	16.02	1.52
12	1	23.26	9.03	20.20	14.75	1.41
	2	19.36	8.33	19.45	15.14	1.88
	3	18.11	10.54	16.97	16.91	3.87
	4	15.52	11.35	15.40	25.07	-1.81
	5	15.03	10.04	14.82	20.74	2.53
	6	13.26	7.83	14.11	18.23	3.32
1	1	12.01	7.35	14.44	16.66	12.42
	2	9.98	6.98	14.01	15.81	12.06
	3	9.80	7.60	13.09	14.57	11.49
	4	9.70	7.26	11.93	14.18	11.00
	5	12.63	6.53	10.48	12.02	14.96
	6	11.87	6.85	7.87	14.19	12.90
2	1	11.25	6.37	11.23	10.51	12.97
	2	9.89	21.25	9.68	13.68	12.59
	3	11.75	14.31	10.66	19.49	11.38
	4	8.67	11.95	9.30	15.05	10.81
	5	7.44	13.26	10.11	14.62	10.78
	6	10.30	15.19	10.05	13.10	10.54
3	1	8.85	16.82	9.66	12.69	10.33
	2	7.74	18.79	11.72	14.11	10.82
	3	10.74	20.11	14.75	19.52	18.21
	4	13.73	36.91	17.92	25.33	18.08
	5	12.78	37.18	12.41	100.04	39.14
	6	14.85	51.45	15.84	47.84	27.22

勝瓜地点流量データ (2/4)

単位: m³/s

年度 月・半旬		1988 (S63)	1989 (H01)	1990 (H02)	1991 (H03)	1992 (H04)
4	1	11.49	14.63	43.63	52.67	72.18
	2	17.86	79.12	31.10	95.39	49.39
	3	23.57	56.00	28.43	82.95	44.32
	4	60.48	51.05	30.97	53.13	50.94
	5	49.94	34.91	71.12	25.03	28.34
	6	28.63	27.07	46.50	24.80	24.16
5	1	29.98	22.12	37.12	19.96	66.39
	2	26.67	23.17	42.59	9.97	34.51
	3	45.67	58.91	34.35	10.74	25.11
	4	33.09	23.63	28.03	8.99	29.94
	5	48.59	17.15	23.43	6.84	41.17
	6	27.74	51.24	13.12	5.77	73.32
6	1	51.61	31.46	9.81	4.06	80.86
	2	25.75	16.21	12.30	2.32	80.59
	3	24.27	10.84	9.72	5.54	51.72
	4	18.17	93.12	9.21	7.91	33.36
	5	11.20	87.34	7.81	22.13	84.27
	6	84.28	103.72	13.51	10.32	54.75
7	1	94.91	57.83	26.71	32.51	69.40
	2	43.18	36.16	17.61	11.41	42.82
	3	33.54	35.07	18.85	10.63	40.51
	4	80.48	69.74	12.63	23.58	92.77
	5	35.07	31.55	10.19	10.34	48.31
	6	49.22	123.42	5.45	5.08	27.17
8	1	30.51	135.85	0.00	19.09	34.38
	2	73.95	245.97	57.23	79.31	35.85
	3	485.85	79.50	58.32	65.44	39.78
	4	168.93	87.19	52.39	86.78	22.38
	5	110.79	44.06	31.01	341.70	20.22
	6	237.91	434.54	19.02	177.37	20.09
9	1	126.11	204.11	12.10	165.45	10.13
	2	209.59	291.39	24.39	83.19	6.08
	3	179.18	120.29	27.79	106.65	2.74
	4	111.58	123.68	67.82	293.63	4.99
	5	159.66	150.14	57.69	153.68	2.42
	6	232.08	76.09	78.77	86.00	4.38
10	1	119.11	67.46	95.20	148.00	18.15
	2	90.67	55.82	117.02	126.66	33.50
	3	56.06	62.69	82.46	333.38	24.00
	4	46.47	81.94	67.44	136.95	42.95
	5	36.87	69.23	54.98	98.76	85.09
	6	31.49	45.17	68.29	93.72	35.04
11	1	27.42	36.71	100.47	67.40	26.50
	2	23.70	33.21	84.68	55.11	23.87
	3	22.44	31.23	54.05	47.27	22.32
	4	21.38	28.33	56.91	33.75	18.20
	5	20.78	24.46	47.78	30.79	23.79
	6	20.21	23.11	90.40	32.83	20.05
12	1	17.77	21.09	113.35	29.41	16.66
	2	16.70	18.17	67.23	24.72	25.65
	3	15.52	18.60	76.61	22.04	23.28
	4	14.69	18.19	50.46	20.52	19.24
	5	13.75	16.42	45.77	19.11	17.63
	6	11.93	17.91	46.26	19.34	17.60
1	1	11.28	21.87	29.86	17.70	16.84
	2	12.28	21.08	28.65	20.92	19.75
	3	14.30	21.00	24.81	18.24	18.38
	4	12.75	20.48	22.59	17.37	18.86
	5	16.84	19.55	22.31	16.64	14.77
	6	12.86	18.92	18.99	16.37	17.47
2	1	11.99	19.54	18.80	17.45	14.78
	2	12.35	18.87	18.40	16.83	19.60
	3	12.07	21.59	25.47	15.38	16.74
	4	16.29	35.99	63.80	15.25	24.85
	5	15.44	66.67	27.74	14.11	27.99
	6	19.74	57.26	25.43	15.26	24.54
3	1	28.86	48.18	24.13	30.62	21.58
	2	25.32	34.62	32.55	26.63	29.32
	3	23.26	32.42	35.98	23.95	23.64
	4	20.60	28.31	30.26	35.68	17.43
	5	17.15	29.30	76.23	37.66	19.78
	6	20.46	29.20	102.97	55.14	28.15

勝瓜地点流量データ (3/4)

単位 : m³/s

年度 月・半旬		1993 (H05)	1994 (H06)	1995 (H07)	1996 (H08)	1997 (H09)
4	1	21.23	21.74	56.66	41.56	24.76
	2	17.48	35.38	55.18	12.54	90.74
	3	11.72	35.38	33.63	12.85	22.47
	4	10.36	24.94	35.81	50.58	9.76
	5	21.41	17.83	40.06	20.36	8.12
	6	19.96	13.55	31.65	47.29	6.97
5	1	22.93	13.20	37.76	54.94	8.77
	2	19.58	13.84	25.61	81.24	10.09
	3	31.86	12.07	178.00	56.17	6.31
	4	20.13	23.42	232.92	32.47	3.66
	5	11.08	6.19	59.75	25.08	77.81
	6	5.37	26.56	42.25	20.40	51.27
6	1	34.62	8.98	40.31	20.39	13.65
	2	20.30	14.61	71.42	9.65	11.09
	3	18.95	12.31	248.87	8.28	25.30
	4	13.62	17.28	351.11	8.12	94.31
	5	32.32	10.34	91.04	9.19	114.87
	6	20.33	5.96	82.51	13.84	79.94
7	1	114.18	5.41	62.61	4.87	30.44
	2	79.09	2.52	68.33	7.48	17.76
	3	75.43	1.19	128.01	5.39	21.24
	4	97.87	4.33	79.60	2.62	50.17
	5	103.02	0.20	59.68	9.51	21.23
	6	163.25	2.85	37.40	14.97	91.31
8	1	45.79	21.29	23.31	9.54	84.47
	2	67.16	3.45	14.89	2.98	58.78
	3	154.73	0.25	12.48	0.24	30.43
	4	64.52	0.00	11.12	0.73	22.27
	5	44.64	45.38	19.66	1.26	10.95
	6	334.10	19.02	15.19	4.19	16.49
9	1	213.00	8.66	10.72	0.10	7.22
	2	202.28	17.03	6.49	9.49	10.22
	3	174.62	40.94	6.67	10.69	36.76
	4	80.40	57.16	132.07	6.68	121.42
	5	65.78	32.82	17.40	82.13	59.28
	6	42.94	256.30	10.51	18.47	87.53
10	1	51.89	209.55	26.88	26.26	53.57
	2	53.18	80.48	28.59	30.20	33.85
	3	44.33	47.73	20.25	23.31	30.66
	4	35.42	35.05	17.75	18.15	21.75
	5	31.23	37.55	18.10	15.50	19.22
	6	33.04	37.58	16.64	13.85	19.03
11	1	29.16	28.01	15.56	15.84	15.66
	2	23.85	23.53	20.98	15.63	15.26
	3	187.85	20.39	21.91	14.11	15.07
	4	66.37	18.16	16.77	13.08	20.79
	5	49.14	24.21	14.76	14.55	23.22
	6	36.66	15.15	11.30	15.45	81.90
12	1	39.44	11.91	12.61	10.10	50.29
	2	29.76	18.06	14.97	10.24	37.33
	3	28.69	21.54	12.26	10.39	29.95
	4	23.41	17.72	12.16	11.68	24.13
	5	23.08	16.50	12.55	11.35	22.48
	6	21.02	17.88	10.86	10.75	16.69
1	1	18.12	18.71	10.35	11.48	15.84
	2	17.11	17.75	12.30	12.64	16.74
	3	17.27	18.40	11.02	11.48	15.02
	4	14.98	16.81	14.48	11.64	43.68
	5	14.34	17.77	11.83	10.37	26.14
	6	13.29	18.27	11.41	9.62	18.14
2	1	14.42	17.28	10.73	9.47	17.12
	2	12.99	17.32	11.88	9.52	16.11
	3	14.90	16.03	11.72	10.14	20.12
	4	13.45	15.77	15.70	11.56	22.56
	5	37.44	15.45	11.87	10.30	48.83
	6	19.60	14.67	11.80	13.11	30.13
3	1	17.06	15.35	11.52	15.33	35.63
	2	25.16	14.68	10.67	17.39	23.76
	3	28.31	17.34	10.29	16.68	30.55
	4	20.01	51.96	25.87	18.83	26.23
	5	31.98	33.18	40.11	18.55	31.58
	6	29.75	56.86	39.89	27.62	40.09

勝瓜地点流量データ (4/4)

単位：m³/s

年度 月・半旬		1998 (H10)	1999 (H11)	2000 (H12)	2001 (H13)	2002 (H14)
4	1	31.80	21.86	28.70	13.12	54.50
	2	48.17	23.13	47.94	29.69	42.58
	3	81.76	70.75	90.19	45.74	28.47
	4	79.55	31.37	40.83	19.98	35.97
	5	36.83	89.62	179.92	17.00	34.60
	6	32.79	125.48	59.41	15.11	37.21
5	1	25.67	63.96	141.01	17.40	35.42
	2	23.28	57.66	65.12	16.39	28.76
	3	22.67	36.95	85.87	10.43	30.36
	4	22.87	29.22	88.84	7.52	32.56
	5	20.69	19.38	56.56	14.65	34.39
	6	24.53	19.82	39.89	16.15	29.51
6	1	16.00	8.80	27.04	5.65	29.06
	2	15.38	6.82	22.92	7.88	22.72
	3	35.56	6.12	25.47	33.50	20.39
	4	25.90	7.08	24.29	43.60	18.81
	5	23.07	7.13	28.44	20.07	20.60
	6	15.15	122.47	27.19	19.83	22.57
7	1	9.98	91.47	51.60	9.34	17.32
	2	8.21	29.06	134.80	5.88	115.72
	3	7.62	592.77	46.59	9.70	363.85
	4	2.90	272.22	76.56	67.18	79.80
	5	44.15	94.93	49.63	33.43	75.08
	6	104.04	66.43	37.86	17.47	47.18
8	1	68.21	38.72	41.12	9.27	40.84
	2	41.32	36.84	61.71	7.60	39.32
	3	30.28	385.48	50.01	15.24	38.43
	4	53.02	244.24	36.86	5.93	82.39
	5	35.30	163.49	23.94	631.08	50.87
	6	931.89	95.61	22.48	162.28	29.25
9	1	279.76	58.49	14.91	76.75	32.41
	2	94.82	47.29	53.95	442.69	76.86
	3	55.12	60.55	214.81	1060.11	58.17
	4	835.10	107.68	107.08	149.03	49.55
	5	437.06	142.76	78.53	65.92	31.81
	6	151.05	66.74	54.28	56.14	33.42
10	1	102.90	52.74	58.79	69.75	207.10
	2	79.70	41.87	45.65	125.98	68.75
	3	59.92	39.62	35.50	192.99	42.85
	4	197.02	28.88	35.63	71.08	34.67
	5	101.54	25.21	37.90	57.13	52.06
	6	62.29	64.38	32.66	47.73	32.28
11	1	46.61	38.06	29.41	45.01	33.30
	2	40.78	28.28	30.35	59.10	20.54
	3	34.38	25.17	24.55	40.18	25.95
	4	29.92	32.60	30.64	32.83	25.19
	5	26.11	28.52	41.14	28.89	21.41
	6	24.28	23.77	29.54	27.39	35.31
12	1	19.91	23.85	22.36	23.38	26.69
	2	22.97	24.57	21.90	21.77	30.55
	3	19.46	21.32	21.42	21.54	23.30
	4	17.56	21.51	19.69	20.82	23.06
	5	16.98	18.10	19.21	18.66	18.52
	6	16.15	16.85	18.67	16.28	15.49
1	1	16.38	15.15	18.03	9.09	14.76
	2	15.67	18.78	19.88	8.90	19.36
	3	16.02	26.16	20.75	6.85	15.14
	4	15.77	20.68	16.39	20.09	11.17
	5	15.31	17.93	15.67	51.58	18.78
	6	14.77	14.25	16.23	56.51	25.02
2	1	13.84	14.07	14.79	43.68	16.46
	2	13.19	13.18	15.91	40.02	17.19
	3	13.23	14.32	13.45	29.36	21.62
	4	13.44	13.21	14.12	19.39	20.50
	5	14.30	12.15	17.44	16.89	17.24
	6	15.11	11.40	15.02	17.21	19.31
3	1	15.52	12.68	19.20	13.24	35.67
	2	19.37	14.55	18.67	12.22	43.88
	3	17.70	14.14	16.06	10.91	26.06
	4	56.49	14.02	25.45	20.06	22.91
	5	39.79	19.43	45.92	34.34	17.47
	6	50.22	78.92	49.38	78.20	28.03

水海道地点流量データ (1/4)

単位 : m³/s

年度 月・半旬		1983 (S58)	1984 (S59)	1985 (S60)	1986 (S61)	1987 (S62)
4	1	145.12	47.50	91.17	50.79	45.97
	2	78.99	70.26	105.90	45.60	43.90
	3	77.52	48.93	101.72	41.61	37.36
	4	64.68	67.59	64.43	26.72	5.31
	5	37.04	61.70	69.41	81.53	0.00
	6	13.73	25.26	36.65	50.00	0.00
5	1	3.11	59.97	6.55	12.27	0.00
	2	11.96	25.89	12.88	14.30	0.00
	3	5.36	11.38	8.01	47.60	9.78
	4	44.38	15.30	2.92	117.28	5.66
	5	14.54	5.61	30.18	61.39	30.94
	6	10.46	7.77	27.91	40.60	13.92
6	1	5.09	25.47	8.66	38.05	0.63
	2	4.76	1.78	2.33	19.21	8.35
	3	36.77	14.10	31.08	6.89	9.85
	4	17.54	10.17	42.52	40.13	8.01
	5	79.26	51.22	125.80	32.09	48.77
	6	43.38	83.77	228.06	75.80	12.58
7	1	74.79	31.71	581.28	108.18	46.48
	2	142.55	63.19	154.61	67.73	39.62
	3	62.32	68.46	154.95	40.60	46.45
	4	66.96	76.79	86.88	49.52	77.80
	5	74.75	65.62	168.36	52.62	31.77
	6	132.24	24.48	62.03	24.05	25.63
8	1	79.21	33.97	36.42	303.54	35.45
	2	34.04	17.15	18.34	479.33	28.75
	3	69.88	14.75	49.56	104.88	64.99
	4	613.59	5.97	21.63	80.47	96.18
	5	170.99	6.49	7.70	118.58	72.28
	6	93.35	8.45	7.26	56.90	59.21
9	1	73.47	24.71	32.11	387.24	57.13
	2	102.51	41.10	41.30	179.17	148.62
	3	87.04	46.10	43.80	132.16	455.73
	4	78.77	50.70	45.55	111.99	133.86
	5	84.56	40.49	67.18	104.66	98.64
	6	243.88	34.43	102.18	87.75	176.69
10	1	130.46	33.85	110.89	92.42	84.94
	2	101.24	32.33	94.00	82.12	69.88
	3	90.86	41.33	116.91	90.76	53.77
	4	80.34	39.17	86.79	72.53	101.58
	5	63.16	35.74	64.96	65.85	65.69
	6	61.55	31.35	57.44	54.37	51.93
11	1	56.88	29.15	52.37	49.78	51.92
	2	52.26	25.43	78.42	42.12	48.53
	3	52.44	24.83	55.29	43.13	42.68
	4	49.20	27.43	46.79	35.96	43.54
	5	49.36	28.01	45.78	37.61	37.08
	6	48.34	25.15	47.04	31.67	35.90
12	1	45.91	24.48	39.63	30.79	35.56
	2	44.91	23.78	41.20	30.17	36.14
	3	41.90	32.02	35.39	29.06	37.95
	4	40.08	30.33	31.82	48.18	33.93
	5	39.57	26.70	30.75	39.38	33.25
	6	37.56	24.59	29.97	36.77	31.89
1	1	34.09	27.05	36.15	38.42	34.23
	2	33.79	26.40	35.90	37.50	34.97
	3	33.41	26.51	34.75	35.49	33.43
	4	32.71	24.97	32.91	35.22	32.23
	5	34.92	24.41	31.70	33.15	36.71
	6	32.66	24.34	27.95	29.10	33.23
2	1	32.43	24.04	31.01	28.04	32.21
	2	29.98	44.25	28.75	32.80	33.32
	3	30.38	47.08	29.31	36.48	31.60
	4	29.73	37.63	26.79	34.93	28.66
	5	30.10	37.89	29.32	34.99	31.20
	6	37.14	37.59	27.54	34.05	29.30
3	1	33.23	44.93	26.76	32.42	29.60
	2	30.17	39.86	28.07	33.54	27.87
	3	30.54	47.68	34.86	40.27	37.54
	4	35.35	72.66	38.71	43.01	37.01
	5	34.38	71.33	40.03	94.33	53.28
	6	34.41	73.66	37.88	75.54	46.01

水海道地点流量データ (2/4)

単位: m³/s

年度 月・半旬		1988 (S63)	1989 (H01)	1990 (H02)	1991 (H03)	1992 (H04)
4	1	44.31	45.78	69.59	88.70	98.65
	2	49.44	88.40	60.91	117.55	90.52
	3	47.82	81.27	46.19	89.93	85.80
	4	45.09	73.28	38.72	51.73	61.11
	5	35.78	47.90	142.14	17.76	25.84
	6	8.14	29.56	43.79	7.70	0.62
5	1	5.94	21.42	26.78	1.71	64.80
	2	20.97	34.06	46.51	0.00	20.57
	3	58.49	110.32	28.83	3.56	16.57
	4	31.72	37.84	19.90	11.87	48.59
	5	61.49	31.42	23.21	5.63	53.83
	6	31.43	100.30	8.49	7.50	86.04
6	1	80.02	23.83	10.63	19.21	103.54
	2	26.41	22.03	10.57	6.74	102.59
	3	17.71	14.63	13.26	20.22	48.68
	4	34.98	126.92	11.40	21.72	31.36
	5	34.65	117.68	4.99	69.49	121.89
	6	107.29	205.61	16.00	39.98	56.24
7	1	129.26	93.92	36.20	66.50	105.63
	2	61.60	60.11	36.03	65.28	48.99
	3	47.18	77.36	48.18	36.07	39.13
	4	129.65	128.13	25.39	51.89	99.71
	5	58.94	46.85	11.40	28.42	53.16
	6	89.41	144.00	14.44	10.88	27.57
8	1	41.76	222.14	0.00	33.89	74.71
	2	39.03	251.31	73.70	106.02	28.89
	3	590.44	64.78	369.05	68.05	43.39
	4	186.03	79.84	54.74	65.08	20.63
	5	110.58	42.01	28.05	550.38	17.92
	6	239.16	396.73	23.37	150.38	23.67
9	1	248.71	190.06	22.38	354.79	22.17
	2	248.08	287.14	59.04	146.91	33.60
	3	243.11	205.94	96.60	197.83	42.81
	4	150.87	157.48	217.85	534.09	39.18
	5	150.25	238.08	323.37	412.88	36.82
	6	461.72	117.58	174.58	167.88	39.93
10	1	163.82	84.93	313.41	269.80	42.29
	2	155.20	88.55	217.92	245.63	72.98
	3	102.02	103.25	137.11	672.09	58.03
	4	79.24	114.28	101.55	226.23	63.25
	5	70.07	111.65	78.75	143.78	135.90
	6	62.48	70.71	95.07	152.92	58.24
11	1	57.57	62.35	146.13	107.74	47.83
	2	53.00	51.73	134.43	96.84	41.62
	3	45.81	50.05	102.96	77.12	37.94
	4	44.85	48.11	67.71	64.00	36.11
	5	42.57	42.82	59.65	57.44	53.50
	6	35.25	42.41	96.53	71.40	38.97
12	1	34.86	42.47	429.83	60.35	38.58
	2	34.70	37.88	97.45	50.76	52.95
	3	36.00	39.47	97.36	46.62	43.39
	4	36.89	38.41	67.23	43.72	38.68
	5	37.68	36.26	54.85	41.67	36.30
	6	37.26	35.84	50.31	44.48	34.66
1	1	35.77	35.24	50.87	39.32	30.46
	2	37.09	33.60	49.84	44.62	33.83
	3	39.08	34.17	50.27	41.69	32.56
	4	34.65	34.74	47.12	38.43	40.39
	5	39.70	32.83	51.04	36.44	33.70
	6	35.31	31.61	44.28	34.74	38.78
2	1	34.72	33.52	42.64	38.25	32.10
	2	33.63	33.51	42.91	36.49	34.45
	3	35.49	34.74	48.51	34.15	31.51
	4	43.09	45.35	83.71	33.67	44.61
	5	41.22	85.17	49.16	32.03	51.52
	6	52.83	76.29	54.99	32.30	43.45
3	1	53.27	59.82	45.21	42.87	38.58
	2	54.13	55.91	50.79	43.95	36.61
	3	51.65	51.43	57.25	41.07	35.58
	4	47.87	44.60	50.90	49.82	34.12
	5	40.23	43.95	78.90	56.93	32.86
	6	45.36	43.85	110.76	71.40	39.98

水海道地点流量データ (3/4)

単位: m³/s

年度 月・半旬	1993 (H05)	1994 (H06)	1995 (H07)	1996 (H08)	1997 (H09)	
4	1	47.60	44.83	90.74	49.12	45.07
	2	42.56	62.34	73.33	36.96	120.30
	3	27.74	49.34	56.65	29.82	60.66
	4	2.31	20.23	38.50	25.43	10.25
	5	0.24	0.00	22.98	2.57	0.00
	6	0.00	0.00	6.75	4.16	0.00
5	1	1.33	0.00	19.52	15.91	0.00
	2	0.00	4.47	21.09	71.58	0.00
	3	29.89	4.25	172.61	45.85	4.81
	4	8.28	21.73	165.36	18.08	19.51
	5	4.62	0.00	47.44	18.23	168.25
	6	0.00	204.08	36.78	6.84	175.15
6	1	36.07	28.30	56.43	4.57	38.64
	2	37.55	16.12	79.98	5.68	40.03
	3	24.56	29.36	142.76	10.84	67.52
	4	14.28	26.00	367.45	10.57	45.89
	5	93.62	23.97	149.17	11.26	267.91
	6	47.90	18.61	118.61	45.72	81.01
7	1	154.12	19.69	94.32	19.49	30.58
	2	136.14	24.58	105.66	58.27	16.80
	3	94.56	6.80	161.70	37.91	56.61
	4	105.71	34.99	103.79	11.32	61.64
	5	91.00	5.20	62.92	21.40	13.15
	6	166.84	1.57	26.22	20.67	127.94
8	1	57.76	36.80	26.65	17.12	97.30
	2	90.77	14.80	32.22	1.27	73.55
	3	123.59	0.00	25.21	0.00	65.95
	4	70.23	0.70	27.25	0.00	37.51
	5	52.89	131.04	72.03	4.10	25.88
	6	397.66	38.80	31.99	20.74	68.12
9	1	227.09	42.89	53.44	28.00	62.01
	2	227.26	59.33	46.05	63.82	63.64
	3	213.77	119.95	45.07	76.07	71.98
	4	123.61	365.62	237.26	55.72	174.50
	5	114.73	132.46	71.58	228.81	105.89
	6	87.55	316.40	55.54	78.40	119.06
10	1	85.21	524.20	51.39	65.27	72.61
	2	96.25	154.96	48.16	67.76	59.22
	3	75.62	105.32	40.99	59.43	49.39
	4	64.42	78.80	37.60	53.07	41.75
	5	61.11	77.86	32.34	44.56	36.36
	6	57.33	59.85	33.66	38.87	33.28
11	1	58.72	50.72	32.78	43.67	30.14
	2	47.22	48.24	36.10	47.05	28.01
	3	207.50	43.04	36.69	46.46	28.07
	4	110.99	42.73	32.24	39.28	35.78
	5	80.28	42.56	35.06	37.37	38.80
	6	62.07	38.48	27.04	38.74	82.39
12	1	53.79	36.91	27.50	32.93	81.11
	2	52.30	36.93	28.16	33.03	56.79
	3	53.73	40.00	26.72	29.02	49.62
	4	44.55	36.55	27.68	33.18	42.53
	5	43.67	33.70	26.82	31.25	37.17
	6	40.96	35.58	26.63	28.40	33.15
1	1	39.43	35.54	25.07	27.25	34.25
	2	34.17	33.85	25.89	35.88	36.72
	3	37.09	31.67	25.43	28.16	36.52
	4	38.34	31.02	27.71	27.93	66.08
	5	35.39	33.03	25.30	26.98	50.34
	6	33.32	29.08	23.47	25.69	39.93
2	1	33.43	29.98	21.80	26.57	37.33
	2	31.63	29.02	23.12	24.58	37.20
	3	30.84	30.03	21.81	25.03	38.02
	4	31.24	28.58	25.04	26.54	40.54
	5	52.72	28.42	23.73	24.48	63.92
	6	37.89	28.84	25.95	25.90	45.19
3	1	36.83	29.08	23.57	28.40	54.22
	2	44.38	28.30	22.81	29.59	44.38
	3	46.26	37.11	20.81	30.63	50.75
	4	38.57	63.99	32.35	31.37	44.46
	5	50.04	50.04	45.41	31.88	48.26
	6	48.22	65.12	43.40	45.29	48.77

水海道地点流量データ (4/4)

単位：m³/s

年度 月・半旬		1998 (H10)	1999 (H11)	2000 (H12)	2001 (H13)	2002 (H14)
4	1	54.42	44.81	55.32	47.63	79.31
	2	69.84	41.09	55.47	49.23	60.56
	3	85.01	77.18	109.84	61.52	48.96
	4	109.61	27.21	40.49	14.11	28.92
	5	31.71	38.03	164.09	0.00	17.83
	6	37.12	134.14	58.02	0.00	8.08
5	1	16.98	73.34	111.88	0.00	8.81
	2	14.84	62.39	44.34	6.34	18.68
	3	22.95	24.53	94.66	0.20	34.13
	4	32.70	24.79	130.63	9.44	42.47
	5	28.85	8.05	73.20	23.62	31.20
	6	56.44	9.50	35.78	21.75	27.06
6	1	23.86	3.04	44.94	22.27	27.66
	2	23.69	1.11	31.74	33.04	19.36
	3	43.35	0.05	75.37	55.08	24.07
	4	37.28	21.70	45.61	93.05	42.13
	5	51.91	18.42	45.70	38.15	39.42
	6	28.53	135.34	52.83	26.14	37.82
7	1	24.23	234.85	84.95	9.73	34.16
	2	37.05	51.63	313.36	3.52	68.29
	3	53.94	525.59	82.40	0.72	797.47
	4	19.48	354.98	110.19	83.39	149.12
	5	85.06	123.46	77.76	61.68	85.45
	6	104.05	68.14	98.92	24.16	55.31
8	1	86.69	34.51	56.11	7.58	76.79
	2	63.20	35.25	108.29	4.98	53.16
	3	31.13	294.69	82.61	109.16	38.30
	4	67.63	365.37	64.05	18.91	115.11
	5	48.58	172.23	37.47	571.93	63.95
	6	865.05	128.24	37.36	206.56	43.51
9	1	348.54	95.62	57.87	147.93	51.70
	2	140.75	80.08	103.75	263.22	146.86
	3	110.20	75.75	453.93	1250.65	111.86
	4	717.40	148.80	229.53	230.24	102.51
	5	271.12	207.73	177.65	131.48	77.41
	6	170.15	104.88	137.76	99.30	78.18
10	1	140.38	80.77	118.53	108.43	310.16
	2	111.85	61.44	82.74	130.26	113.48
	3	99.23	54.15	63.96	373.71	77.30
	4	178.78	51.75	58.72	123.09	64.25
	5	128.21	44.20	81.20	102.59	80.35
	6	101.99	87.57	62.45	82.34	58.34
11	1	86.52	60.62	63.57	76.74	52.70
	2	77.40	48.90	54.64	102.68	43.36
	3	66.95	45.71	50.59	77.23	45.05
	4	59.18	51.04	58.19	60.54	43.16
	5	54.07	42.02	69.09	54.35	38.28
	6	48.57	40.46	52.93	49.19	51.84
12	1	45.05	40.28	41.87	46.64	44.17
	2	50.27	34.93	41.28	42.79	46.64
	3	42.16	37.26	36.05	41.25	43.81
	4	38.93	35.76	37.29	38.10	39.00
	5	36.97	30.14	35.49	41.40	40.16
	6	34.39	31.11	34.75	37.30	34.80
1	1	31.61	28.30	29.50	27.53	34.55
	2	31.65	31.52	33.96	28.08	35.65
	3	30.80	43.40	36.73	25.12	34.89
	4	29.02	38.95	30.74	32.88	30.21
	5	27.84	33.27	29.97	57.16	33.29
	6	27.88	30.17	37.13	80.35	40.00
2	1	26.26	29.37	32.49	53.98	33.89
	2	25.32	27.04	31.52	54.79	32.85
	3	25.50	26.95	29.66	44.26	35.44
	4	24.85	26.71	29.14	37.12	33.79
	5	25.88	24.96	34.47	35.20	33.04
	6	26.44	23.85	31.49	33.40	33.58
3	1	26.13	24.75	42.79	30.91	55.65
	2	29.83	26.14	38.07	29.21	67.15
	3	26.12	29.09	33.04	26.69	47.80
	4	61.23	30.40	44.85	29.73	45.17
	5	48.74	37.03	62.59	40.47	38.55
	6	52.92	87.66	64.09	86.94	45.93

布川地点流量データ (1/4)

単位: m³/s

年度		1983	1984	1985	1986	1987
月・半旬		(S58)	(S59)	(S60)	(S61)	(S62)
4	1	540.60	200.79	431.26	249.45	218.89
	2	381.75	299.16	585.12	229.82	295.06
	3	556.27	231.72	694.60	249.61	247.18
	4	623.60	362.07	492.63	285.18	185.81
	5	468.77	413.03	662.01	659.31	204.12
	6	287.09	359.05	391.88	479.77	113.85
5	1	218.80	533.03	338.15	271.18	119.30
	2	223.89	374.02	415.25	305.24	49.83
	3	140.71	312.15	214.57	331.14	157.83
	4	378.14	295.73	126.56	640.28	165.25
	5	144.57	220.17	253.16	352.98	233.05
	6	111.30	229.64	183.95	257.93	106.90
6	1	66.90	267.34	67.91	268.23	54.94
	2	65.55	155.49	72.41	189.06	48.80
	3	233.30	175.23	282.54	85.18	41.83
	4	114.67	112.43	274.16	361.91	44.47
	5	489.14	363.47	735.56	235.79	181.64
	6	287.39	629.77	1548.20	501.47	39.25
7	1	444.31	323.59	3368.28	808.70	257.39
	2	757.96	392.87	927.84	495.90	262.74
	3	421.95	388.26	851.11	378.19	209.83
	4	420.66	421.60	490.29	430.42	494.28
	5	547.11	549.89	660.64	413.84	252.21
	6	904.08	470.25	244.12	206.78	212.74
8	1	540.86	291.57	187.32	708.27	170.08
	2	217.59	209.38	121.34	2255.01	121.26
	3	256.61	207.33	450.64	326.04	323.04
	4	3697.98	56.09	107.04	406.33	533.92
	5	1247.99	54.94	73.09	489.14	560.05
	6	524.27	75.78	111.39	223.36	301.11
9	1	326.59	98.56	181.12	1683.95	299.23
	2	525.02	152.72	220.96	862.98	841.47
	3	432.81	172.39	161.07	572.53	1386.54
	4	444.61	219.77	199.83	545.67	686.26
	5	540.79	196.36	420.90	390.84	399.17
	6	1825.87	166.75	583.51	289.51	794.78
10	1	1193.40	172.36	613.49	363.78	396.89
	2	626.13	157.88	502.87	389.61	319.21
	3	546.87	202.69	533.85	376.41	246.26
	4	457.27	184.23	408.77	308.99	406.51
	5	417.28	212.84	306.67	279.63	284.11
	6	351.48	157.42	257.20	233.05	293.31
11	1	279.17	149.00	238.24	224.52	264.46
	2	281.06	146.40	393.02	211.58	296.47
	3	266.09	141.51	301.67	216.57	232.62
	4	222.51	154.17	231.46	186.07	221.16
	5	232.85	167.45	222.95	192.06	190.61
	6	222.83	135.13	225.09	171.13	186.00
12	1	208.20	132.12	197.58	159.04	172.17
	2	202.91	126.05	196.58	152.95	193.23
	3	175.46	198.39	174.47	156.94	195.00
	4	160.56	187.35	165.62	246.00	182.29
	5	160.85	150.24	153.07	204.23	160.22
	6	153.74	134.38	151.85	180.00	157.77
1	1	146.17	117.65	161.49	158.73	140.95
	2	148.61	121.07	149.32	163.85	156.05
	3	147.51	118.61	140.26	155.21	145.47
	4	144.89	116.39	133.98	154.88	133.54
	5	151.84	112.41	132.56	159.67	162.31
	6	148.03	111.39	123.52	147.89	133.61
2	1	153.63	109.69	122.46	144.21	127.10
	2	141.44	184.16	115.94	146.57	127.40
	3	134.01	248.77	117.14	175.25	118.89
	4	140.85	169.60	121.71	151.76	113.86
	5	145.83	224.77	122.69	151.99	114.17
	6	171.21	165.60	115.57	147.55	110.44
3	1	147.88	221.87	117.61	133.09	118.16
	2	142.83	172.57	123.92	139.11	103.38
	3	137.13	246.14	158.80	161.76	133.06
	4	157.50	355.52	178.49	179.50	139.94
	5	167.23	358.37	266.95	434.33	239.43
	6	155.10	349.34	221.96	399.82	231.02

布川地点流量データ (2/4)

単位: m³/s

年度		1988	1989	1990	1991	1992
月・半旬		(S63)	(H01)	(H02)	(H03)	(H04)
4	1	192.91	240.55	386.60	570.55	568.15
	2	255.82	457.33	316.70	819.70	631.76
	3	275.38	462.62	333.81	815.73	628.48
	4	325.86	484.23	382.46	487.32	412.98
	5	356.19	513.39	761.17	341.72	350.11
	6	186.45	432.24	442.42	308.40	241.25
5	1	292.33	291.52	287.54	259.11	427.12
	2	277.36	330.40	412.14	177.76	251.75
	3	389.12	853.43	318.82	213.14	267.12
	4	328.33	398.55	248.06	219.80	409.82
	5	550.79	369.98	186.14	170.74	336.45
	6	318.97	774.88	98.64	143.82	457.25
6	1	539.53	289.48	113.23	221.66	670.89
	2	293.61	215.08	86.85	119.00	572.09
	3	166.88	169.55	145.14	147.11	321.00
	4	244.53	713.77	68.81	112.31	235.74
	5	229.31	670.43	11.96	459.48	941.98
	6	739.70	1176.44	118.99	274.60	494.13
7	1	948.54	772.98	230.14	436.20	689.88
	2	370.60	472.04	288.00	553.40	260.43
	3	273.82	555.12	265.31	353.92	266.93
	4	865.13	1059.92	161.34	379.28	681.44
	5	468.72	425.89	100.99	269.50	319.89
	6	696.66	985.09	105.61	161.66	213.54
8	1	379.18	1420.52	27.65	283.81	548.76
	2	233.38	1136.49	301.65	536.20	194.68
	3	1868.35	415.08	1593.41	468.81	304.63
	4	1244.83	762.23	246.78	277.93	167.29
	5	1008.49	344.45	119.06	2985.04	143.41
	6	1429.88	1484.67	134.83	718.28	211.54
9	1	1364.51	883.69	107.31	1475.33	174.08
	2	1533.30	1215.39	218.71	830.44	197.33
	3	1562.43	929.27	433.01	928.16	140.43
	4	894.83	745.87	680.40	1975.25	186.40
	5	864.68	1196.68	1127.80	2107.38	181.01
	6	2273.39	648.48	912.92	820.64	226.21
10	1	993.36	508.50	1589.91	1309.72	277.33
	2	934.40	535.52	1054.71	1296.86	549.98
	3	645.57	716.54	723.47	3162.14	488.93
	4	412.84	649.08	519.11	1240.51	505.71
	5	358.71	571.71	377.46	768.40	915.56
	6	312.30	378.66	463.65	919.11	361.62
11	1	292.34	404.85	643.12	635.42	284.79
	2	266.67	290.59	616.52	497.75	247.19
	3	238.01	276.39	434.10	374.27	223.92
	4	237.85	261.92	307.44	304.63	206.28
	5	213.38	230.84	283.05	276.73	311.71
	6	195.28	215.52	453.25	396.82	214.72
12	1	187.43	202.89	1612.35	328.16	212.87
	2	178.51	196.38	461.15	256.28	286.36
	3	170.32	187.33	452.14	235.31	253.92
	4	163.08	191.88	315.98	211.70	196.92
	5	159.65	172.23	275.45	208.79	179.04
	6	157.65	170.30	253.30	231.07	183.13
1	1	149.85	151.09	242.68	192.44	156.36
	2	163.82	158.08	218.65	207.46	189.53
	3	171.59	152.04	221.51	201.70	171.96
	4	163.61	165.88	212.02	183.79	212.10
	5	222.97	154.23	236.38	175.00	179.28
	6	180.18	141.79	199.79	169.96	237.55
2	1	169.63	154.59	186.43	199.01	179.58
	2	159.03	154.54	180.53	184.40	185.95
	3	176.76	162.15	182.02	172.50	169.93
	4	247.87	196.35	385.35	162.91	217.61
	5	221.56	349.06	212.51	155.12	244.49
	6	319.28	398.01	206.24	159.13	216.34
3	1	281.39	334.80	193.63	217.05	197.42
	2	334.03	283.42	219.79	201.60	202.81
	3	272.72	234.00	269.74	207.87	188.73
	4	244.99	215.26	230.31	258.39	186.51
	5	205.80	215.32	479.98	336.57	167.03
	6	238.62	215.67	729.30	396.61	214.07

布川地点流量データ (3/4)

単位 : m³/s

年度 月・半旬	1993 (H05)	1994 (H06)	1995 (H07)	1996 (H08)	1997 (H09)	
4	1	260.05	261.78	486.08	228.11	289.74
	2	220.37	322.86	380.53	168.50	789.63
	3	174.77	314.31	345.19	147.87	389.04
	4	191.07	298.08	371.44	273.02	228.91
	5	269.03	267.34	417.11	170.52	147.46
	6	216.17	193.71	358.97	322.44	141.66
5	1	248.28	230.46	484.66	469.38	176.63
	2	264.61	192.72	409.61	545.67	208.62
	3	491.96	246.68	810.04	421.15	181.20
	4	360.76	257.71	1081.70	293.72	232.31
	5	249.52	122.64	424.17	292.60	662.05
	6	149.65	638.64	297.22	272.99	969.98
6	1	236.34	197.15	356.42	260.75	235.30
	2	257.82	149.02	562.09	166.22	217.07
	3	194.40	242.68	651.55	172.49	372.77
	4	144.17	207.08	1385.94	158.23	252.98
	5	562.69	199.62	853.92	156.00	1020.90
	6	322.89	159.29	836.01	418.07	357.68
7	1	848.20	120.59	651.03	205.99	180.47
	2	965.74	197.26	1161.77	457.94	105.14
	3	541.86	93.90	1143.85	317.50	352.97
	4	751.35	306.27	730.20	221.97	308.35
	5	696.05	117.22	513.22	275.96	115.40
	6	950.64	97.18	252.40	176.05	534.18
8	1	462.08	174.14	167.09	144.27	538.82
	2	616.57	110.64	226.44	55.56	466.89
	3	580.05	36.27	155.94	47.43	370.61
	4	539.47	35.99	177.46	38.84	237.04
	5	400.99	716.54	387.27	54.32	186.99
	6	1496.58	219.31	172.13	182.30	379.55
9	1	838.56	217.67	262.64	125.65	360.33
	2	1002.02	292.45	178.43	313.13	369.31
	3	1152.25	541.16	176.50	502.46	433.76
	4	723.37	1713.57	1423.54	310.73	927.20
	5	624.71	858.31	406.18	1171.72	569.64
	6	481.29	1253.68	320.41	444.22	711.19
10	1	480.13	1886.28	374.15	402.19	407.63
	2	656.87	815.20	331.28	413.01	318.00
	3	494.95	485.38	268.86	377.87	256.45
	4	366.20	334.07	229.60	333.35	223.17
	5	329.32	376.01	207.01	253.68	202.64
	6	322.66	278.79	202.54	218.26	194.15
11	1	323.92	240.13	181.82	265.19	177.32
	2	255.24	238.22	201.11	267.70	162.08
	3	771.12	208.36	190.97	264.92	168.74
	4	589.12	199.63	187.53	216.89	216.10
	5	391.15	206.02	191.95	215.11	233.19
	6	319.22	186.01	166.26	213.13	364.26
12	1	266.72	182.70	154.17	185.16	388.79
	2	254.20	186.10	160.28	194.35	276.46
	3	270.10	193.81	152.04	164.04	242.59
	4	225.84	173.16	146.73	185.76	211.82
	5	225.06	160.49	147.02	164.31	183.01
	6	208.71	178.21	148.42	151.44	165.20
1	1	187.22	159.91	118.74	141.31	188.26
	2	177.96	167.37	132.28	199.74	211.51
	3	191.58	162.73	127.31	155.40	220.91
	4	188.24	146.77	141.60	143.46	333.26
	5	176.58	163.78	121.25	143.96	289.24
	6	175.70	149.41	116.45	141.36	233.11
2	1	164.93	145.08	111.38	150.07	214.28
	2	167.10	143.14	115.14	136.59	211.96
	3	166.60	144.77	114.63	141.58	212.21
	4	161.04	143.66	127.97	142.84	248.37
	5	265.93	136.28	112.51	132.85	365.97
	6	184.70	137.40	129.21	153.18	317.55
3	1	175.92	151.20	114.97	148.11	429.88
	2	205.66	154.03	123.51	164.59	306.54
	3	223.25	191.15	110.60	164.85	331.08
	4	192.14	265.53	179.43	184.02	288.92
	5	261.11	231.88	196.15	177.70	290.99
	6	221.86	300.70	206.84	242.03	316.72

布川地点流量データ (4/4)

単位: m³/s

年度 月・半旬	1998 (H10)	1999 (H11)	2000 (H12)	2001 (H13)	2002 (H14)	
4	1	367.42	256.02	228.73	272.70	202.40
	2	573.66	235.35	290.97	337.78	224.92
	3	740.99	541.45	423.63	430.77	264.36
	4	1114.06	317.18	271.39	304.16	252.21
	5	524.21	440.31	718.54	175.44	326.82
	6	549.28	813.02	452.95	251.03	250.07
5	1	363.76	427.08	498.09	234.47	200.57
	2	309.64	598.29	418.01	275.91	230.36
	3	334.27	284.01	601.94	206.03	314.22
	4	351.75	253.45	872.89	242.01	379.60
	5	279.69	165.90	583.85	359.83	310.47
	6	438.87	189.42	376.29	277.58	291.04
6	1	227.35	117.21	326.79	299.41	294.44
	2	259.05	108.58	249.51	310.16	289.08
	3	382.43	56.49	510.18	387.90	267.41
	4	283.90	191.88	378.66	675.79	359.31
	5	568.08	175.85	427.58	347.84	252.72
	6	309.43	577.83	507.27	289.50	261.36
7	1	200.63	1195.13	680.90	261.97	247.53
	2	272.92	432.67	1465.26	111.93	269.99
	3	443.21	1974.04	516.30	69.70	3597.69
	4	199.23	1850.95	515.68	377.53	881.10
	5	563.58	886.05	532.17	321.09	442.98
	6	732.63	405.27	487.03	169.38	310.35
8	1	674.57	189.80	298.25	155.71	439.01
	2	469.85	308.58	589.27	107.82	337.72
	3	272.17	1688.28	613.85	555.16	262.81
	4	393.72	2447.85	592.09	164.15	712.15
	5	331.23	984.66	291.23	2003.73	459.18
	6	2875.40	631.44	212.33	1267.66	295.53
9	1	2680.66	398.21	219.02	1052.03	275.95
	2	917.41	333.37	475.11	980.73	829.89
	3	551.13	317.66	2031.31	5099.55	583.56
	4	3848.70	674.75	1400.79	1113.27	526.72
	5	1671.53	1299.48	966.55	686.97	355.32
	6	1476.24	598.59	918.32	476.30	353.19
10	1	1185.31	422.19	712.21	656.72	1548.35
	2	684.54	311.73	406.01	533.16	694.50
	3	527.61	286.17	320.15	1918.22	394.21
	4	1125.99	268.73	285.55	711.68	356.91
	5	894.89	228.63	526.54	589.15	580.07
	6	546.68	539.06	370.16	444.49	357.44
11	1	408.03	368.81	433.71	432.06	268.98
	2	358.31	259.71	337.65	504.85	220.33
	3	315.74	251.10	277.30	406.39	199.82
	4	280.57	285.45	331.48	306.90	190.62
	5	260.24	234.18	340.79	255.34	173.95
	6	239.50	214.72	254.57	243.54	225.37
12	1	233.99	211.36	226.01	223.42	215.97
	2	276.31	205.19	220.34	220.81	250.45
	3	212.54	195.74	204.66	201.47	228.64
	4	199.50	176.63	200.07	187.09	209.63
	5	188.44	168.89	194.69	190.08	234.62
	6	176.24	160.37	184.47	168.75	208.43
1	1	159.73	153.01	173.20	189.45	209.07
	2	162.04	174.79	205.80	193.38	204.70
	3	156.07	229.21	200.81	196.32	192.78
	4	152.99	209.47	175.33	202.08	197.03
	5	148.73	177.34	167.77	309.58	202.37
	6	155.59	166.28	220.37	472.66	224.56
2	1	146.57	158.87	177.35	280.31	206.07
	2	142.56	156.31	180.98	278.44	204.00
	3	139.52	157.50	162.91	234.05	200.23
	4	137.74	157.32	163.86	212.14	197.80
	5	137.12	147.67	205.04	212.28	201.65
	6	144.29	132.21	195.15	203.18	235.94
3	1	144.01	131.63	287.75	230.78	305.17
	2	157.61	141.80	212.37	219.52	373.51
	3	180.49	132.12	187.35	189.57	293.87
	4	364.31	142.30	207.55	171.03	245.79
	5	287.59	158.91	314.70	181.81	196.92
	6	285.64	280.98	393.95	197.06	185.23

⑦各ダム地点から各利水基準点までの流下日数の設定値

利根川の利水計算においては流下日数は設定していない。

⑧ダム開発水量を削減する場合、各利水基準点の確保流量の設定値および各既得水利権の取水量の設定値など

確保量の切下げは、維持流量を除く全ての確保量を全地点一律に切下げて計算する。

すなわち、③～⑤に示した確保量（維持流量を除く）全てが切下げの対象となる。

切下げ後の確保量は以下の式により設定する。

$$\text{切下げ後確保量} = \text{確保量} \times (100 - \text{切下げ率}(\%)) / 100$$

なお、北千葉導水についても切下げを考慮している。

2. 安定供給可能量の計算結果

利根川水系において供給量を開発量の 100%から段階的に削減した場合の計算結果（全計算期間 20 年間のデータ）

①各ダムの半旬別貯水量の計算結果

1. ダム群貯水量計算結果

以下の3ケースについて、栗橋上流ダム群及び河口堰上流ダム群の貯水量・不足量の計算結果及びマスカーブ（貯水池運用曲線）を次に示す。

ケース	切下げ率	備 考	対象年
切下げ無し	0.0%	—	—
安全度 4/20	17.9%	20ヶ年中第4位の不足が解消した切下げ率	1994(H6)年度
安全度 2/20	21.4%	20ヶ年中第2位の不足が解消した切下げ率	1987(S62)年度

※検討期間：1983(S58)年度～2002(H14)年度の20ヶ年

栗橋上流ダム群貯水量・不足量(1983年度)

単位: 千³m

年度	月	半旬	切下げ無し		切下げ率17.9%		切下げ率21.4%	
			貯水量	不足量	貯水量	不足量	貯水量	不足量
1983	4	1	578,038	0	583,399	0	583,399	0
1983	4	2	586,630	0	586,630	0	586,630	0
1983	4	3	586,630	0	586,630	0	586,630	0
1983	4	4	586,630	0	586,630	0	586,630	0
1983	4	5	586,630	0	586,630	0	586,630	0
1983	4	6	586,630	0	586,630	0	586,630	0
1983	5	1	586,552	0	586,579	0	586,585	0
1983	5	2	586,392	0	586,501	0	586,512	0
1983	5	3	565,311	0	575,689	0	577,665	0
1983	5	4	585,256	0	585,771	0	585,862	0
1983	5	5	564,118	0	573,826	0	575,480	0
1983	5	6	514,886	0	534,941	0	538,618	0
1983	6	1	451,615	0	484,016	0	490,108	0
1983	6	2	387,696	0	432,714	0	441,273	0
1983	6	3	370,434	0	423,939	0	434,142	0
1983	6	4	318,637	0	381,380	0	393,389	0
1983	6	5	345,341	0	397,635	0	406,286	0
1983	6	6	311,576	0	364,959	0	373,947	0
1983	7	1	334,592	0	381,271	0	390,186	0
1983	7	2	349,686	0	396,699	0	398,243	0
1983	7	3	347,220	0	395,286	0	396,222	0
1983	7	4	354,408	0	398,087	0	398,783	0
1983	7	5	378,266	0	398,268	0	399,012	0
1983	7	6	378,286	0	398,804	0	399,499	0
1983	8	1	377,660	0	399,015	0	399,875	0
1983	8	2	373,707	0	396,598	0	397,757	0
1983	8	3	368,756	0	398,128	0	399,133	0
1983	8	4	403,490	0	403,490	0	403,490	0
1983	8	5	403,490	0	403,490	0	403,490	0
1983	8	6	403,490	0	403,490	0	403,490	0
1983	9	1	398,786	0	399,628	0	399,792	0
1983	9	2	394,409	0	396,035	0	396,353	0
1983	9	3	396,410	0	398,780	0	399,244	0
1983	9	4	399,088	0	402,733	0	403,446	0
1983	9	5	403,490	0	403,490	0	403,490	0
1983	9	6	403,490	0	403,490	0	403,490	0
1983	10	1	447,168	0	447,410	0	447,410	0
1983	10	2	479,042	0	479,284	0	479,284	0
1983	10	3	495,540	0	495,906	0	495,930	0
1983	10	4	504,925	0	505,429	0	505,480	0
1983	10	5	511,246	0	511,886	0	511,964	0
1983	10	6	528,327	0	529,116	0	529,223	0
1983	11	1	533,779	0	534,693	0	534,824	0
1983	11	2	538,107	0	539,146	0	539,302	0
1983	11	3	541,434	0	542,597	0	542,777	0
1983	11	4	545,209	0	546,497	0	546,701	0
1983	11	5	549,892	0	551,304	0	551,533	0
1983	11	6	552,696	0	554,235	0	554,489	0
1983	12	1	553,001	0	554,664	0	554,942	0
1983	12	2	550,663	0	552,451	0	552,754	0
1983	12	3	547,091	0	550,273	0	550,600	0
1983	12	4	535,345	0	545,516	0	547,057	0
1983	12	5	526,100	0	542,606	0	545,370	0
1983	12	6	507,598	0	533,224	0	537,771	0
1983	1	1	495,576	0	527,519	0	533,301	0
1983	1	2	485,903	0	524,044	0	531,038	0
1983	1	3	476,019	0	520,365	0	528,573	0
1983	1	4	465,033	0	515,585	0	525,006	0
1983	1	5	454,086	0	510,961	0	521,619	0
1983	1	6	439,354	0	503,674	0	515,788	0
1983	2	1	425,633	0	496,290	0	509,642	0
1983	2	2	409,705	0	486,699	0	501,290	0
1983	2	3	390,853	0	474,266	0	490,097	0
1983	2	4	373,348	0	463,103	0	480,174	0
1983	2	5	358,470	0	454,541	0	472,847	0
1983	2	6	349,042	0	450,166	0	469,460	0
1983	3	1	329,991	0	438,739	0	459,460	0
1983	3	2	312,305	0	427,691	0	449,665	0
1983	3	3	292,843	0	415,376	0	438,590	0
1983	3	4	276,518	0	406,819	0	431,551	0
1983	3	5	261,783	0	400,050	0	426,340	0
1983	3	6	250,119	0	395,931	0	423,683	0

栗橋上流ダム群貯水量・不足量(1984年度)

単位：千³m

年度	月	半旬	切下げ無し		切下げ率17.9%		切下げ率21.4%	
			貯水量	不足量	貯水量	不足量	貯水量	不足量
1984	4	1	259,165	0	411,642	0	436,268	0
1984	4	2	290,290	0	438,026	0	462,344	0
1984	4	3	309,812	0	457,882	0	482,966	0
1984	4	4	361,285	0	509,480	0	532,426	0
1984	4	5	406,541	0	542,531	0	553,527	0
1984	4	6	456,562	0	545,331	0	553,231	0
1984	5	1	498,329	0	547,485	0	555,410	0
1984	5	2	505,579	0	547,689	0	555,696	0
1984	5	3	503,604	0	546,356	0	554,488	0
1984	5	4	503,578	0	546,904	0	555,148	0
1984	5	5	500,645	0	545,039	0	553,431	0
1984	5	6	495,316	0	541,355	0	549,948	0
1984	6	1	490,685	0	537,985	0	546,921	0
1984	6	2	479,005	0	531,848	0	541,157	0
1984	6	3	463,408	0	523,353	0	534,596	0
1984	6	4	422,597	0	474,750	0	485,169	0
1984	6	5	388,190	0	431,639	0	436,321	0
1984	6	6	350,087	0	372,901	0	375,667	0
1984	7	1	351,215	0	373,112	0	375,879	0
1984	7	2	351,120	0	373,272	0	376,039	0
1984	7	3	349,919	0	372,797	0	375,706	0
1984	7	4	350,325	0	374,010	0	377,076	0
1984	7	5	350,882	0	375,422	0	378,626	0
1984	7	6	359,088	0	375,979	0	378,746	0
1984	8	1	361,240	0	376,027	0	378,793	0
1984	8	2	356,306	0	375,288	0	378,211	0
1984	8	3	350,232	0	371,791	0	374,867	0
1984	8	4	277,470	0	325,069	0	330,679	0
1984	8	5	210,208	0	275,656	0	285,362	0
1984	8	6	151,668	0	230,528	0	242,840	0
1984	9	1	106,217	0	193,266	0	207,180	0
1984	9	2	76,763	0	174,595	0	190,490	0
1984	9	3	57,272	0	165,843	0	183,838	0
1984	9	4	50,351	0	164,922	0	184,091	0
1984	9	5	36,596	0	157,088	0	177,414	0
1984	9	6	29,830	-1,805	151,705	0	172,655	0
1984	10	1	32,409	-3,274	159,630	0	181,896	0
1984	10	2	29,731	-6,151	160,659	0	184,222	0
1984	10	3	43,516	-11,171	166,703	0	189,089	0
1984	10	4	51,223	-15,987	167,617	0	190,521	0
1984	10	5	54,869	-19,988	169,161	0	192,536	0
1984	10	6	54,745	-26,919	165,470	0	189,376	0
1984	11	1	52,429	-30,811	163,908	0	188,300	0
1984	11	2	48,896	-33,295	164,190	0	189,023	0
1984	11	3	43,003	-34,436	163,242	0	189,265	0
1984	11	4	40,212	-36,354	164,716	0	190,726	0
1984	11	5	40,402	-40,769	162,813	0	188,950	0
1984	11	6	31,814	-47,110	154,925	0	182,570	0
1984	12	1	22,271	-51,508	147,441	0	176,300	0
1984	12	2	10,288	-56,290	137,563	0	167,667	0
1984	12	3	18,405	0	152,011	0	183,353	0
1984	12	4	17,455	0	157,334	0	187,148	0
1984	12	5	7,519	-1,175	152,347	0	183,375	0
1984	12	6	0	-13,973	140,352	0	173,164	0
1984	1	1	0	-38,424	121,971	0	156,265	0
1984	1	2	0	-60,603	105,711	0	141,487	0
1984	1	3	0	-84,259	87,972	0	125,233	0
1984	1	4	0	-108,576	69,240	0	108,007	0
1984	1	5	0	-134,319	49,077	0	89,327	0
1984	1	6	0	-167,388	27,852	-5,264	64,615	0
1984	2	1	0	-194,816	14,507	-13,251	44,223	0
1984	2	2	5,695	0	26,976	0	57,935	0
1984	2	3	15,812	-1,927	38,244	-1,062	68,439	0
1984	2	4	10,408	-7,672	36,210	-2,772	65,621	0
1984	2	5	19,026	-14,075	44,705	-6,540	69,227	0
1984	2	6	16,911	-18,450	45,885	-9,782	66,434	0
1984	3	1	29,215	-20,532	51,425	-11,491	71,934	-1,542
1984	3	2	29,900	-21,569	56,673	-12,013	77,208	-1,964
1984	3	3	39,403	-23,081	62,337	-13,031	82,896	-2,885
1984	3	4	55,512	0	78,572	0	99,155	0
1984	3	5	66,433	0	89,617	0	110,224	0
1984	3	6	97,288	0	120,581	0	141,189	0

栗橋上流ダム群貯水量・不足量(1985年度)

単位：千m³

年度	月	半旬	切下げ無し		切下げ率17.9%		切下げ率21.4%	
			貯水量	不足量	貯水量	不足量	貯水量	不足量
1985	4	1	145,632	0	169,019	0	189,627	0
1985	4	2	195,951	0	219,339	0	239,946	0
1985	4	3	260,300	0	283,688	0	302,801	0
1985	4	4	298,034	0	317,341	0	335,270	0
1985	4	5	351,806	0	371,112	0	389,041	0
1985	4	6	389,256	0	408,562	0	426,491	0
1985	5	1	430,611	0	450,042	0	467,995	0
1985	5	2	466,760	0	486,315	0	504,293	0
1985	5	3	472,060	0	498,317	0	516,341	0
1985	5	4	444,399	0	480,985	0	501,029	0
1985	5	5	450,197	0	494,663	0	516,248	0
1985	5	6	437,335	0	491,383	0	514,841	0
1985	6	1	379,638	0	444,232	0	469,926	0
1985	6	2	325,517	0	398,102	0	426,137	0
1985	6	3	351,770	0	427,190	0	455,506	0
1985	6	4	365,399	0	434,875	0	459,859	0
1985	6	5	377,203	0	429,734	0	435,390	0
1985	6	6	368,197	0	376,737	0	379,087	0
1985	7	1	386,885	0	387,084	0	389,433	0
1985	7	2	387,230	0	387,429	0	389,779	0
1985	7	3	389,831	0	390,030	0	392,380	0
1985	7	4	390,207	0	390,406	0	392,755	0
1985	7	5	391,961	0	392,160	0	394,509	0
1985	7	6	379,939	0	389,471	0	392,213	0
1985	8	1	361,592	0	379,882	0	384,275	0
1985	8	2	325,528	0	352,475	0	358,553	0
1985	8	3	339,988	0	364,720	0	370,552	0
1985	8	4	284,874	0	322,258	0	329,978	0
1985	8	5	217,309	0	273,862	0	283,745	0
1985	8	6	173,670	0	243,870	0	255,685	0
1985	9	1	121,869	0	203,259	0	217,262	0
1985	9	2	113,968	0	204,185	0	219,711	0
1985	9	3	78,453	0	179,453	0	197,087	0
1985	9	4	67,566	0	176,397	0	195,563	0
1985	9	5	106,637	0	215,510	0	234,613	0
1985	9	6	145,735	0	249,342	0	264,458	0
1985	10	1	177,158	0	275,957	0	291,138	0
1985	10	2	214,258	0	313,182	0	328,387	0
1985	10	3	243,928	0	342,976	0	358,205	0
1985	10	4	261,225	0	359,281	0	374,537	0
1985	10	5	272,366	0	368,976	0	384,366	0
1985	10	6	284,632	0	380,299	0	395,836	0
1985	11	1	294,157	0	390,249	0	405,911	0
1985	11	2	318,450	0	411,549	0	426,733	0
1985	11	3	328,395	0	420,257	0	434,982	0
1985	11	4	333,393	0	425,909	0	440,611	0
1985	11	5	343,726	0	437,936	0	452,650	0
1985	11	6	348,362	0	442,349	0	457,123	0
1985	12	1	349,990	0	447,821	0	462,585	0
1985	12	2	350,042	0	453,964	0	469,919	0
1985	12	3	342,923	0	453,058	0	470,212	0
1985	12	4	334,106	0	450,455	0	468,825	0
1985	12	5	321,111	0	443,800	0	463,405	0
1985	12	6	306,295	0	436,463	0	457,531	0
1985	1	1	289,374	0	425,887	0	448,195	0
1985	1	2	271,251	0	414,121	0	437,672	0
1985	1	3	251,271	0	400,527	0	425,327	0
1985	1	4	230,026	0	385,663	0	411,711	0
1985	1	5	209,182	0	371,212	0	398,510	0
1985	1	6	180,898	0	350,612	0	379,412	0
1985	2	1	155,790	0	331,922	0	361,977	0
1985	2	2	128,755	0	311,451	0	342,764	0
1985	2	3	102,205	0	291,347	0	323,920	0
1985	2	4	76,928	0	273,108	0	306,941	0
1985	2	5	50,313	0	253,964	0	289,052	0
1985	2	6	33,773	0	241,625	0	277,467	0
1985	3	1	5,257	0	219,742	0	256,855	0
1985	3	2	0	-19,612	200,644	0	239,009	0
1985	3	3	0	-30,235	196,153	0	235,720	0
1985	3	4	0	-36,581	195,916	0	236,677	0
1985	3	5	11,491	0	210,361	0	251,583	0
1985	3	6	24,399	0	230,684	0	273,355	0

栗橋上流ダム群貯水量・不足量(1986年度)

単位: 千m³

年度	月	半旬	切下げ無し		切下げ率17.9%		切下げ率21.4%	
			貯水量	不足量	貯水量	不足量	貯水量	不足量
1986	4	1	37,485	0	250,435	0	294,410	0
1986	4	2	50,963	0	270,598	0	315,880	0
1986	4	3	79,294	0	305,610	0	350,903	0
1986	4	4	116,709	0	345,593	0	387,460	0
1986	4	5	235,075	0	438,348	0	479,720	0
1986	4	6	311,089	0	494,223	0	515,583	0
1986	5	1	341,688	0	503,550	0	518,032	0
1986	5	2	385,696	0	509,875	0	521,097	0
1986	5	3	423,118	0	514,575	0	525,797	0
1986	5	4	443,474	0	520,549	0	531,772	0
1986	5	5	451,460	0	523,940	0	535,203	0
1986	5	6	459,267	0	526,565	0	537,882	0
1986	6	1	465,061	0	528,090	0	539,461	0
1986	6	2	458,719	0	529,087	0	540,518	0
1986	6	3	405,051	0	487,217	0	503,331	0
1986	6	4	413,786	0	479,915	0	491,539	0
1986	6	5	372,314	0	430,476	0	442,189	0
1986	6	6	323,094	0	381,941	0	390,257	0
1986	7	1	329,302	0	388,821	0	394,931	0
1986	7	2	330,658	0	390,850	0	396,106	0
1986	7	3	331,496	0	392,415	0	396,387	0
1986	7	4	332,494	0	394,172	0	396,642	0
1986	7	5	332,568	0	394,475	0	396,944	0
1986	7	6	326,145	0	394,397	0	397,037	0
1986	8	1	349,240	0	403,490	0	403,490	0
1986	8	2	357,093	0	403,490	0	403,490	0
1986	8	3	352,730	0	399,911	0	400,064	0
1986	8	4	347,741	0	396,558	0	396,987	0
1986	8	5	344,924	0	391,451	0	392,187	0
1986	8	6	336,350	0	387,012	0	387,937	0
1986	9	1	390,585	0	396,254	0	397,121	0
1986	9	2	391,526	0	397,979	0	398,999	0
1986	9	3	393,090	0	400,289	0	401,454	0
1986	9	4	393,043	0	401,515	0	402,930	0
1986	9	5	386,541	0	396,351	0	398,027	0
1986	9	6	383,673	0	393,996	0	395,773	0
1986	10	1	399,765	0	410,966	0	412,915	0
1986	10	2	413,826	0	425,658	0	427,730	0
1986	10	3	426,566	0	439,073	0	441,277	0
1986	10	4	439,358	0	452,001	0	454,232	0
1986	10	5	458,543	0	471,679	0	473,911	0
1986	10	6	470,736	0	484,811	0	487,190	0
1986	11	1	477,902	0	493,603	0	496,107	0
1986	11	2	484,197	0	502,755	0	505,387	0
1986	11	3	493,226	0	516,173	0	516,523	0
1986	11	4	493,843	0	521,168	0	521,544	0
1986	11	5	493,083	0	525,847	0	526,251	0
1986	11	6	490,163	0	529,129	0	529,599	0
1986	12	1	480,879	0	526,044	0	527,706	0
1986	12	2	470,472	0	521,873	0	524,755	0
1986	12	3	461,569	0	519,069	0	523,143	0
1986	12	4	469,686	0	531,465	0	533,232	0
1986	12	5	468,701	0	535,548	0	537,339	0
1986	12	6	460,292	0	534,577	0	537,802	0
1986	1	1	446,602	0	527,230	0	531,695	0
1986	1	2	433,871	0	520,730	0	526,413	0
1986	1	3	417,468	0	510,573	0	517,477	0
1986	1	4	400,625	0	499,982	0	508,109	0
1986	1	5	386,654	0	492,260	0	501,610	0
1986	1	6	365,544	0	478,673	0	489,493	0
1986	2	1	348,329	0	467,860	0	479,932	0
1986	2	2	331,265	0	457,083	0	470,384	0
1986	2	3	324,971	0	457,023	0	471,528	0
1986	2	4	309,069	0	447,389	0	463,119	0
1986	2	5	293,495	0	438,066	0	455,018	0
1986	2	6	283,122	0	431,452	0	449,139	0
1986	3	1	263,808	0	418,590	0	437,516	0
1986	3	2	244,428	0	405,567	0	425,735	0
1986	3	3	231,961	0	399,320	0	420,704	0
1986	3	4	227,088	0	400,629	0	423,208	0
1986	3	5	294,742	0	463,252	0	482,939	0
1986	3	6	326,266	0	491,468	0	510,245	0

栗橋上流ダム群貯水量・不足量(1987年度)

単位：千m³

年度	月	半旬	切下げ無し		切下げ率17.9%		切下げ率21.4%	
			貯水量	不足量	貯水量	不足量	貯水量	不足量
1987	4	1	333,351	0	505,219	0	525,234	0
1987	4	2	380,456	0	544,400	0	551,944	0
1987	4	3	402,370	0	546,825	0	551,968	0
1987	4	4	413,662	0	546,524	0	551,734	0
1987	4	5	434,709	0	545,051	0	550,357	0
1987	4	6	397,428	0	518,880	0	526,358	0
1987	5	1	361,468	0	494,200	0	503,884	0
1987	5	2	295,972	0	439,885	0	451,756	0
1987	5	3	280,579	0	433,890	0	447,836	0
1987	5	4	267,770	0	425,437	0	440,984	0
1987	5	5	271,386	0	436,408	0	453,483	0
1987	5	6	228,888	0	404,474	0	424,004	0
1987	6	1	163,388	0	347,774	0	369,730	0
1987	6	2	94,881	0	290,091	0	313,650	0
1987	6	3	19,852	0	231,736	0	257,111	0
1987	6	4	0	-35,855	178,161	0	205,176	0
1987	6	5	0	-64,496	148,325	0	177,015	0
1987	6	6	0	-135,798	78,448	0	110,827	0
1987	7	1	1,231	0	87,298	0	121,454	0
1987	7	2	15,670	-5,389	98,732	0	133,297	0
1987	7	3	10,568	0	105,782	0	143,408	0
1987	7	4	38,476	0	128,385	0	164,285	0
1987	7	5	40,916	0	128,610	0	165,145	0
1987	7	6	37,900	0	129,462	0	166,590	0
1987	8	1	15,419	0	110,207	0	149,200	0
1987	8	2	0	-23,558	73,180	0	114,008	0
1987	8	3	18,006	0	92,073	0	133,193	0
1987	8	4	33,761	0	109,302	0	150,856	0
1987	8	5	39,991	-3,465	113,086	0	153,255	0
1987	8	6	48,575	-8,073	116,503	0	152,188	0
1987	9	1	55,397	-12,112	115,172	0	148,277	0
1987	9	2	73,273	0	120,515	0	153,885	0
1987	9	3	94,193	0	141,313	0	174,432	0
1987	9	4	90,288	0	139,071	0	172,516	0
1987	9	5	92,842	-6,205	136,481	0	170,263	0
1987	9	6	98,307	-7,790	141,255	0	175,212	0
1987	10	1	112,291	-9,825	154,083	0	188,212	0
1987	10	2	124,681	-11,985	165,496	0	199,748	0
1987	10	3	126,357	-14,395	166,493	0	201,213	0
1987	10	4	142,047	0	182,829	0	217,676	0
1987	10	5	147,702	0	189,362	0	224,343	0
1987	10	6	152,460	-1,772	194,266	0	229,738	0
1987	11	1	156,063	-3,967	197,342	0	233,271	0
1987	11	2	160,552	0	204,087	0	240,457	0
1987	11	3	162,798	-618	207,944	0	244,737	0
1987	11	4	163,611	-2,786	208,784	0	246,019	0
1987	11	5	163,857	-3,266	211,408	0	249,078	0
1987	11	6	161,093	-5,560	211,944	0	249,802	0
1987	12	1	153,585	-7,642	207,898	0	246,971	0
1987	12	2	146,115	-9,724	205,157	0	245,164	0
1987	12	3	144,124	-11,807	206,701	0	245,895	0
1987	12	4	139,285	-13,889	204,063	0	243,399	0
1987	12	5	129,747	-15,971	199,297	0	239,993	0
1987	12	6	119,830	-17,905	194,906	0	237,037	0
1987	1	1	100,614	-19,987	180,543	0	224,140	0
1987	1	2	88,864	-22,069	172,414	0	217,250	0
1987	1	3	71,212	-24,151	159,703	0	205,818	0
1987	1	4	51,604	-26,234	144,963	0	192,567	0
1987	1	5	40,506	-27,404	139,276	-358	187,738	0
1987	1	6	17,406	-29,903	124,891	-2,410	172,428	0
1987	2	1	0	-35,043	111,764	-4,119	158,577	0
1987	2	2	0	-55,196	99,619	-5,829	145,704	0
1987	2	3	0	-78,330	84,167	-7,538	129,529	0
1987	2	4	0	-99,022	70,784	-9,248	115,424	0
1987	2	5	0	-127,785	49,308	-10,957	93,223	0
1987	2	6	0	-153,812	29,295	-12,325	72,629	0
1987	3	1	0	-181,512	9,255	-14,034	51,871	0
1987	3	2	0	-210,655	0	-29,082	28,053	0
1987	3	3	0	-231,209	0	-43,776	13,307	0
1987	3	4	0	-250,131	0	-56,978	643	0
1987	3	5	3,612	0	9,852	0	11,715	0
1987	3	6	6,385	0	20,021	0	23,330	0

栗橋上流ダム群貯水量・不足量(1988年度)

単位：千³m

年度	月	半旬	切下げ無し		切下げ率17.9%		切下げ率21.4%	
			貯水量	不足量	貯水量	不足量	貯水量	不足量
1988	4	1	121	0	20,423	0	25,035	0
1988	4	2	14,161	0	41,148	0	47,067	0
1988	4	3	37,934	0	71,600	0	78,826	0
1988	4	4	85,069	0	133,607	0	141,820	0
1988	4	5	148,405	0	189,653	0	194,079	0
1988	4	6	144,003	0	213,191	0	224,292	0
1988	5	1	181,069	0	261,747	0	274,858	0
1988	5	2	212,056	0	297,858	0	308,520	0
1988	5	3	267,399	0	347,611	0	358,297	0
1988	5	4	316,038	0	392,266	0	400,100	0
1988	5	5	374,557	0	417,101	0	418,746	0
1988	5	6	410,097	0	430,411	0	432,257	0
1988	6	1	441,303	0	453,377	0	454,465	0
1988	6	2	449,981	0	461,238	0	462,387	0
1988	6	3	433,138	0	454,556	0	457,483	0
1988	6	4	419,219	0	426,712	0	427,534	0
1988	6	5	370,046	0	377,994	0	378,905	0
1988	6	6	337,765	0	346,398	0	347,443	0
1988	7	1	349,973	0	359,279	0	360,455	0
1988	7	2	351,105	0	361,083	0	362,391	0
1988	7	3	350,660	0	361,364	0	362,814	0
1988	7	4	355,010	0	366,521	0	368,129	0
1988	7	5	355,939	0	368,304	0	370,079	0
1988	7	6	362,885	0	376,127	0	378,073	0
1988	8	1	363,529	0	377,609	0	379,719	0
1988	8	2	362,013	0	379,775	0	382,028	0
1988	8	3	386,356	0	396,824	0	396,913	0
1988	8	4	403,490	0	403,490	0	403,490	0
1988	8	5	403,490	0	403,490	0	403,490	0
1988	8	6	403,490	0	403,490	0	403,490	0
1988	9	1	403,490	0	403,490	0	403,490	0
1988	9	2	403,490	0	403,490	0	403,490	0
1988	9	3	403,490	0	403,490	0	403,490	0
1988	9	4	403,490	0	403,490	0	403,490	0
1988	9	5	403,490	0	403,490	0	403,490	0
1988	9	6	403,490	0	403,490	0	403,490	0
1988	10	1	440,983	0	441,217	0	441,217	0
1988	10	2	477,473	0	477,707	0	477,707	0
1988	10	3	498,814	0	499,078	0	499,078	0
1988	10	4	514,539	0	514,939	0	514,966	0
1988	10	5	521,097	0	521,634	0	521,688	0
1988	10	6	531,845	0	532,541	0	532,626	0
1988	11	1	540,472	0	541,316	0	541,429	0
1988	11	2	547,082	0	548,088	0	548,234	0
1988	11	3	552,654	0	553,839	0	554,019	0
1988	11	4	558,098	0	559,453	0	559,667	0
1988	11	5	562,560	0	564,596	0	564,846	0
1988	11	6	566,258	0	568,858	0	569,146	0
1988	12	1	565,731	0	570,369	0	570,695	0
1988	12	2	565,411	0	570,014	0	570,379	0
1988	12	3	562,137	0	566,943	0	567,348	0
1988	12	4	553,981	0	563,731	0	564,177	0
1988	12	5	544,386	0	560,259	0	560,805	0
1988	12	6	529,544	0	552,961	0	554,981	0
1988	1	1	514,372	0	544,073	0	547,321	0
1988	1	2	502,872	0	538,852	0	543,328	0
1988	1	3	496,388	0	538,649	0	544,353	0
1988	1	4	487,567	0	536,121	0	543,055	0
1988	1	5	499,460	0	546,797	0	549,355	0
1988	1	6	493,467	0	547,684	0	548,753	0
1988	2	1	482,982	0	543,723	0	546,068	0
1988	2	2	473,491	0	540,472	0	544,028	0
1988	2	3	466,670	0	539,469	0	540,956	0
1988	2	4	484,447	0	542,704	0	544,220	0
1988	2	5	491,998	0	542,298	0	543,843	0
1988	2	6	501,425	0	543,913	0	545,472	0
1988	3	1	525,049	0	556,860	0	558,444	0
1988	3	2	532,452	0	563,456	0	564,096	0
1988	3	3	541,883	0	570,002	0	570,389	0
1988	3	4	547,015	0	573,257	0	573,646	0
1988	3	5	549,460	0	574,599	0	574,996	0
1988	3	6	551,203	0	574,551	0	574,949	0

栗橋上流ダム群貯水量・不足量(1989年度)

 単位:千m³

年度	月	半旬	切下げ無し		切下げ率17.9%		切下げ率21.4%	
			貯水量	不足量	貯水量	不足量	貯水量	不足量
1989	4	1	559,761	0	578,320	0	578,719	0
1989	4	2	572,613	0	578,609	0	579,008	0
1989	4	3	574,877	0	579,093	0	579,492	0
1989	4	4	576,981	0	579,836	0	580,235	0
1989	4	5	578,367	0	580,536	0	580,935	0
1989	4	6	578,876	0	581,046	0	581,445	0
1989	5	1	579,036	0	581,205	0	581,605	0
1989	5	2	579,118	0	581,288	0	581,687	0
1989	5	3	580,924	0	583,093	0	583,492	0
1989	5	4	581,145	0	583,314	0	583,713	0
1989	5	5	581,253	0	583,422	0	583,821	0
1989	5	6	582,030	0	584,199	0	584,598	0
1989	6	1	582,250	0	584,420	0	584,819	0
1989	6	2	580,497	0	583,700	0	584,302	0
1989	6	3	562,478	0	575,809	0	578,208	0
1989	6	4	522,413	0	524,883	0	525,308	0
1989	6	5	462,568	0	464,537	0	464,537	0
1989	6	6	403,490	0	403,490	0	403,490	0
1989	7	1	403,490	0	403,490	0	403,490	0
1989	7	2	403,490	0	403,490	0	403,490	0
1989	7	3	403,490	0	403,490	0	403,490	0
1989	7	4	403,490	0	403,490	0	403,490	0
1989	7	5	403,490	0	403,490	0	403,490	0
1989	7	6	403,490	0	403,490	0	403,490	0
1989	8	1	403,490	0	403,490	0	403,490	0
1989	8	2	403,490	0	403,490	0	403,490	0
1989	8	3	403,490	0	403,490	0	403,490	0
1989	8	4	403,490	0	403,490	0	403,490	0
1989	8	5	403,114	0	403,490	0	403,490	0
1989	8	6	403,490	0	403,490	0	403,490	0
1989	9	1	403,490	0	403,490	0	403,490	0
1989	9	2	403,490	0	403,490	0	403,490	0
1989	9	3	403,490	0	403,490	0	403,490	0
1989	9	4	403,490	0	403,490	0	403,490	0
1989	9	5	403,490	0	403,490	0	403,490	0
1989	9	6	403,490	0	403,490	0	403,490	0
1989	10	1	429,933	0	430,261	0	430,325	0
1989	10	2	462,202	0	462,530	0	462,594	0
1989	10	3	489,271	0	489,599	0	489,663	0
1989	10	4	518,711	0	519,039	0	519,103	0
1989	10	5	530,680	0	531,145	0	531,236	0
1989	10	6	539,682	0	540,296	0	540,416	0
1989	11	1	546,879	0	547,597	0	547,597	0
1989	11	2	552,543	0	552,543	0	552,543	0
1989	11	3	557,486	0	557,486	0	557,486	0
1989	11	4	562,095	0	562,095	0	562,095	0
1989	11	5	566,618	0	566,618	0	566,618	0
1989	11	6	570,981	0	570,981	0	570,981	0
1989	12	1	574,511	0	575,279	0	575,280	0
1989	12	2	576,878	0	579,383	0	579,387	0
1989	12	3	577,012	0	583,582	0	583,590	0
1989	12	4	578,040	0	583,856	0	583,870	0
1989	12	5	573,824	0	583,370	0	583,391	0
1989	12	6	567,043	0	582,767	0	582,797	0
1989	1	1	555,033	0	576,989	0	578,231	0
1989	1	2	545,948	0	574,141	0	576,603	0
1989	1	3	534,185	0	568,626	0	572,309	0
1989	1	4	524,171	0	564,815	0	569,695	0
1989	1	5	512,317	0	559,208	0	565,309	0
1989	1	6	494,692	0	549,100	0	556,671	0
1989	2	1	482,691	0	543,361	0	552,156	0
1989	2	2	469,985	0	536,921	0	546,941	0
1989	2	3	461,203	0	534,263	0	545,481	0
1989	2	4	461,734	0	540,892	0	553,302	0
1989	2	5	497,759	0	558,432	0	570,126	0
1989	2	6	511,134	0	565,781	0	577,489	0
1989	3	1	531,365	0	579,070	0	584,728	0
1989	3	2	543,420	0	584,825	0	585,350	0
1989	3	3	548,855	0	586,464	0	586,464	0
1989	3	4	550,766	0	586,630	0	586,630	0
1989	3	5	557,013	0	586,630	0	586,630	0
1989	3	6	562,248	0	586,607	0	586,607	0

栗橋上流ダム群貯水量・不足量(1990年度)

単位:千m³

年度	月	半旬	切下げ無し		切下げ率17.9%		切下げ率21.4%	
			貯水量	不足量	貯水量	不足量	貯水量	不足量
1990	4	1	570,999	0	586,630	0	586,630	0
1990	4	2	571,691	0	586,630	0	586,630	0
1990	4	3	572,369	0	586,630	0	586,630	0
1990	4	4	575,142	0	586,630	0	586,630	0
1990	4	5	578,821	0	586,630	0	586,630	0
1990	4	6	580,061	0	586,630	0	586,630	0
1990	5	1	580,894	0	586,630	0	586,630	0
1990	5	2	581,694	0	586,630	0	586,630	0
1990	5	3	582,467	0	586,630	0	586,630	0
1990	5	4	582,545	0	586,415	0	586,429	0
1990	5	5	575,887	0	585,883	0	585,924	0
1990	5	6	526,064	0	553,905	0	556,861	0
1990	6	1	485,599	0	525,381	0	530,672	0
1990	6	2	440,299	0	489,779	0	496,966	0
1990	6	3	401,730	0	461,445	0	470,634	0
1990	6	4	334,204	0	404,418	0	415,659	0
1990	6	5	247,260	0	333,313	0	347,652	0
1990	6	6	199,044	0	296,647	0	313,244	0
1990	7	1	210,695	0	317,797	0	336,251	0
1990	7	2	218,268	0	333,303	0	351,411	0
1990	7	3	217,646	0	334,442	0	350,444	0
1990	7	4	190,309	0	317,431	0	335,396	0
1990	7	5	143,623	0	284,451	0	304,474	0
1990	7	6	84,836	0	243,964	0	266,334	0
1990	8	1	0	0	171,284	0	195,767	0
1990	8	2	24,353	0	204,932	0	231,233	0
1990	8	3	71,014	0	252,204	0	276,207	0
1990	8	4	66,642	0	249,956	0	273,216	0
1990	8	5	-11,508	-1,808	205,610	0	231,463	0
1990	8	6	0	-41,465	164,264	0	192,857	0
1990	9	1	0	-90,890	114,158	0	144,999	0
1990	9	2	0	-104,558	105,656	0	137,976	0
1990	9	3	13,910	-107,686	119,687	0	152,894	0
1990	9	4	103,643	0	201,082	0	228,855	0
1990	9	5	121,481	0	213,292	0	240,249	0
1990	9	6	158,179	0	242,879	0	269,837	0
1990	10	1	214,023	0	295,960	0	320,027	0
1990	10	2	275,041	0	351,850	0	375,916	0
1990	10	3	293,776	0	369,026	0	393,093	0
1990	10	4	305,544	0	380,930	0	405,024	0
1990	10	5	314,719	0	390,243	0	414,363	0
1990	10	6	346,752	0	422,425	0	446,574	0
1990	11	1	362,019	0	437,744	0	461,893	0
1990	11	2	381,381	0	457,230	0	481,404	0
1990	11	3	393,421	0	469,395	0	493,593	0
1990	11	4	404,709	0	480,807	0	505,030	0
1990	11	5	414,909	0	491,131	0	515,378	0
1990	11	6	449,698	0	525,920	0	547,380	0
1990	12	1	472,628	0	538,494	0	553,493	0
1990	12	2	480,711	0	539,786	0	556,785	0
1990	12	3	488,604	0	544,387	0	559,843	0
1990	12	4	493,909	0	547,696	0	560,871	0
1990	12	5	498,590	0	550,953	0	561,791	0
1990	12	6	501,804	0	554,167	0	562,864	0
1990	1	1	504,011	0	556,375	0	563,404	0
1990	1	2	504,491	0	557,360	0	563,888	0
1990	1	3	505,593	0	557,615	0	564,143	0
1990	1	4	503,860	0	557,767	0	564,298	0
1990	1	5	507,770	0	557,917	0	564,450	0
1990	1	6	502,420	0	557,891	0	564,431	0
1990	2	1	495,534	0	557,137	0	564,140	0
1990	2	2	486,587	0	554,359	0	562,562	0
1990	2	3	476,962	0	550,857	0	560,257	0
1990	2	4	497,253	0	559,281	0	565,853	0
1990	2	5	496,467	0	559,580	0	566,153	0
1990	2	6	494,139	0	559,376	0	565,950	0
1990	3	1	489,331	0	560,024	0	566,603	0
1990	3	2	496,135	0	561,566	0	568,148	0
1990	3	3	508,192	0	562,728	0	569,310	0
1990	3	4	516,370	0	563,515	0	570,099	0
1990	3	5	538,339	0	565,995	0	572,578	0
1990	3	6	547,623	0	571,287	0	577,815	0

栗橋上流ダム群貯水量・不足量(1991年度)

単位:千m³

年度	月	半旬	切下げ無し		切下げ率17.9%		切下げ率21.4%	
			貯水量	不足量	貯水量	不足量	貯水量	不足量
1991	4	1	550,487	0	574,082	0	580,610	0
1991	4	2	561,019	0	584,459	0	586,630	0
1991	4	3	571,534	0	586,630	0	586,630	0
1991	4	4	580,256	0	586,630	0	586,630	0
1991	4	5	583,475	0	586,630	0	586,630	0
1991	4	6	583,522	0	586,630	0	586,630	0
1991	5	1	582,814	0	586,291	0	586,352	0
1991	5	2	575,038	0	585,143	0	585,294	0
1991	5	3	576,775	0	583,246	0	583,516	0
1991	5	4	576,217	0	581,413	0	581,809	0
1991	5	5	562,428	0	577,262	0	577,932	0
1991	5	6	533,885	0	562,269	0	565,588	0
1991	6	1	537,056	0	568,300	0	571,305	0
1991	6	2	499,739	0	542,202	0	547,576	0
1991	6	3	474,234	0	527,885	0	535,621	0
1991	6	4	435,423	0	500,318	0	504,180	0
1991	6	5	427,864	0	446,740	0	447,807	0
1991	6	6	376,946	0	385,767	0	386,834	0
1991	7	1	376,437	0	385,858	0	386,925	0
1991	7	2	376,428	0	386,013	0	387,080	0
1991	7	3	377,262	0	386,083	0	387,149	0
1991	7	4	377,335	0	386,156	0	387,223	0
1991	7	5	375,858	0	385,533	0	386,767	0
1991	7	6	349,679	0	373,602	0	377,610	0
1991	8	1	365,859	0	383,645	0	386,942	0
1991	8	2	374,413	0	387,232	0	388,945	0
1991	8	3	374,516	0	388,044	0	389,890	0
1991	8	4	373,678	0	391,307	0	392,374	0
1991	8	5	390,743	0	401,476	0	402,543	0
1991	8	6	397,311	0	403,490	0	403,490	0
1991	9	1	400,681	0	403,490	0	403,490	0
1991	9	2	401,100	0	403,490	0	403,490	0
1991	9	3	402,253	0	403,490	0	403,490	0
1991	9	4	403,490	0	403,490	0	403,490	0
1991	9	5	403,490	0	403,490	0	403,490	0
1991	9	6	403,490	0	403,490	0	403,490	0
1991	10	1	467,880	0	467,880	0	467,880	0
1991	10	2	514,886	0	514,886	0	514,886	0
1991	10	3	543,060	0	543,060	0	543,060	0
1991	10	4	555,044	0	555,044	0	555,044	0
1991	10	5	565,586	0	565,586	0	565,586	0
1991	10	6	576,514	0	576,514	0	576,514	0
1991	11	1	585,379	0	585,379	0	585,379	0
1991	11	2	586,630	0	586,630	0	586,630	0
1991	11	3	586,630	0	586,630	0	586,630	0
1991	11	4	586,617	0	586,617	0	586,617	0
1991	11	5	586,630	0	586,630	0	586,630	0
1991	11	6	586,630	0	586,630	0	586,630	0
1991	12	1	585,503	0	585,503	0	585,503	0
1991	12	2	583,399	0	583,399	0	583,399	0
1991	12	3	580,992	0	580,993	0	580,993	0
1991	12	4	580,668	0	580,688	0	580,692	0
1991	12	5	580,824	0	580,875	0	580,885	0
1991	12	6	583,903	0	583,973	0	583,986	0
1991	1	1	580,071	0	585,143	0	585,167	0
1991	1	2	581,536	0	583,990	0	584,021	0
1991	1	3	578,015	0	582,087	0	582,129	0
1991	1	4	571,578	0	579,920	0	579,975	0
1991	1	5	562,662	0	577,015	0	577,095	0
1991	1	6	551,195	0	572,947	0	573,751	0
1991	2	1	549,324	0	572,745	0	572,882	0
1991	2	2	541,544	0	570,586	0	570,762	0
1991	2	3	529,919	0	565,267	0	566,676	0
1991	2	4	515,481	0	557,139	0	559,782	0
1991	2	5	499,290	0	547,196	0	551,060	0
1991	2	6	488,341	0	541,260	0	546,102	0
1991	3	1	495,992	0	555,125	0	561,182	0
1991	3	2	493,003	0	558,322	0	565,586	0
1991	3	3	494,446	0	565,988	0	572,065	0
1991	3	4	510,771	0	572,605	0	572,944	0
1991	3	5	534,280	0	574,593	0	574,931	0
1991	3	6	561,360	0	576,350	0	576,688	0

栗橋上流ダム群貯水量・不足量(1992年度)

単位：千³m

年度	月	半旬	切下げ無し		切下げ率17.9%		切下げ率21.4%	
			貯水量	不足量	貯水量	不足量	貯水量	不足量
1992	4	1	573,214	0	577,119	0	577,457	0
1992	4	2	576,101	0	577,832	0	578,170	0
1992	4	3	576,844	0	578,575	0	578,913	0
1992	4	4	577,536	0	579,266	0	579,604	0
1992	4	5	578,149	0	579,879	0	580,218	0
1992	4	6	578,620	0	580,441	0	580,779	0
1992	5	1	579,307	0	581,128	0	581,466	0
1992	5	2	579,799	0	581,642	0	581,980	0
1992	5	3	579,186	0	581,356	0	581,758	0
1992	5	4	579,868	0	582,038	0	582,441	0
1992	5	5	580,447	0	582,617	0	583,019	0
1992	5	6	584,004	0	586,528	0	586,630	0
1992	6	1	586,630	0	586,630	0	586,630	0
1992	6	2	586,630	0	586,630	0	586,630	0
1992	6	3	586,630	0	586,630	0	586,630	0
1992	6	4	525,583	0	525,583	0	525,583	0
1992	6	5	464,537	0	464,537	0	464,537	0
1992	6	6	403,490	0	403,490	0	403,490	0
1992	7	1	403,490	0	403,490	0	403,490	0
1992	7	2	401,520	0	402,934	0	403,210	0
1992	7	3	403,490	0	403,490	0	403,490	0
1992	7	4	403,490	0	403,490	0	403,490	0
1992	7	5	402,289	0	403,144	0	403,311	0
1992	7	6	397,587	0	400,982	0	401,320	0
1992	8	1	398,411	0	400,980	0	401,482	0
1992	8	2	392,804	0	399,642	0	400,288	0
1992	8	3	398,623	0	402,632	0	403,149	0
1992	8	4	380,786	0	393,924	0	396,227	0
1992	8	5	358,966	0	381,217	0	385,266	0
1992	8	6	359,431	0	386,908	0	388,418	0
1992	9	1	341,364	0	376,779	0	379,841	0
1992	9	2	324,897	0	367,856	0	372,393	0
1992	9	3	286,051	0	339,236	0	345,295	0
1992	9	4	264,995	0	329,845	0	338,186	0
1992	9	5	243,266	0	319,838	0	330,470	0
1992	9	6	254,096	0	331,032	0	339,709	0
1992	10	1	265,600	0	341,824	0	350,082	0
1992	10	2	306,796	0	379,939	0	388,197	0
1992	10	3	331,675	0	404,339	0	412,596	0
1992	10	4	362,706	0	435,598	0	443,856	0
1992	10	5	398,285	0	466,431	0	473,523	0
1992	10	6	420,052	0	484,352	0	491,229	0
1992	11	1	432,952	0	495,376	0	502,277	0
1992	11	2	443,061	0	504,609	0	511,639	0
1992	11	3	449,627	0	512,539	0	519,689	0
1992	11	4	454,190	0	518,757	0	526,348	0
1992	11	5	461,776	0	527,988	0	535,704	0
1992	11	6	464,342	0	532,753	0	540,910	0
1992	12	1	470,878	0	541,366	0	549,930	0
1992	12	2	489,260	0	557,103	0	561,623	0
1992	12	3	501,568	0	563,449	0	567,433	0
1992	12	4	502,937	0	564,395	0	568,417	0
1992	12	5	502,289	0	564,981	0	569,039	0
1992	12	6	502,543	0	565,258	0	569,360	0
1992	1	1	491,017	0	559,817	0	565,109	0
1992	1	2	495,795	0	565,444	0	570,192	0
1992	1	3	492,780	0	565,730	0	570,579	0
1992	1	4	499,040	0	566,510	0	571,396	0
1992	1	5	494,897	0	566,059	0	571,141	0
1992	1	6	507,012	0	568,678	0	572,126	0
1992	2	1	505,685	0	568,260	0	571,578	0
1992	2	2	507,267	0	569,326	0	572,459	0
1992	2	3	503,080	0	568,827	0	572,022	0
1992	2	4	513,258	0	570,035	0	572,184	0
1992	2	5	520,934	0	570,597	0	571,951	0
1992	2	6	521,259	0	569,604	0	570,624	0
1992	3	1	519,419	0	567,779	0	568,389	0
1992	3	2	522,533	0	570,285	0	570,724	0
1992	3	3	523,838	0	571,537	0	571,988	0
1992	3	4	525,073	0	570,580	0	571,044	0
1992	3	5	517,043	0	570,381	0	570,859	0
1992	3	6	529,220	0	571,355	0	571,851	0

栗橋上流ダム群貯水量・不足量(1993年度)

単位：千 m^3

年度	月	半旬	切下げ無し		切下げ率17.9%		切下げ率21.4%	
			貯水量	不足量	貯水量	不足量	貯水量	不足量
1993	4	1	545,649	0	573,597	0	574,127	0
1993	4	2	546,310	0	573,442	0	574,011	0
1993	4	3	537,670	0	572,029	0	572,396	0
1993	4	4	536,382	0	569,869	0	570,292	0
1993	4	5	542,174	0	567,402	0	567,892	0
1993	4	6	539,046	0	564,407	0	564,982	0
1993	5	1	538,904	0	561,987	0	562,638	0
1993	5	2	537,070	0	558,765	0	559,516	0
1993	5	3	539,532	0	557,119	0	557,948	0
1993	5	4	541,372	0	555,109	0	556,029	0
1993	5	5	541,493	0	552,411	0	553,465	0
1993	5	6	518,575	0	541,782	0	544,325	0
1993	6	1	526,610	0	550,187	0	550,549	0
1993	6	2	528,817	0	549,532	0	550,153	0
1993	6	3	521,257	0	545,657	0	546,716	0
1993	6	4	482,728	0	490,583	0	490,583	0
1993	6	5	430,085	0	430,085	0	430,085	0
1993	6	6	369,332	0	369,332	0	369,332	0
1993	7	1	374,123	0	374,123	0	374,123	0
1993	7	2	375,653	0	375,653	0	375,653	0
1993	7	3	375,834	0	375,834	0	375,834	0
1993	7	4	376,953	0	376,953	0	376,953	0
1993	7	5	379,700	0	379,700	0	379,700	0
1993	7	6	383,386	0	383,386	0	383,386	0
1993	8	1	383,598	0	383,598	0	383,598	0
1993	8	2	384,125	0	384,125	0	384,125	0
1993	8	3	391,767	0	391,767	0	391,767	0
1993	8	4	392,545	0	392,545	0	392,545	0
1993	8	5	392,670	0	392,670	0	392,670	0
1993	8	6	397,890	0	397,890	0	397,890	0
1993	9	1	402,033	0	402,033	0	402,033	0
1993	9	2	403,490	0	403,490	0	403,490	0
1993	9	3	403,490	0	403,490	0	403,490	0
1993	9	4	403,490	0	403,490	0	403,490	0
1993	9	5	403,490	0	403,490	0	403,490	0
1993	9	6	403,490	0	403,490	0	403,490	0
1993	10	1	425,379	0	425,707	0	425,771	0
1993	10	2	464,087	0	464,415	0	464,479	0
1993	10	3	480,905	0	481,232	0	481,297	0
1993	10	4	493,428	0	494,403	0	494,593	0
1993	10	5	509,523	0	510,124	0	510,242	0
1993	10	6	525,111	0	525,862	0	526,009	0
1993	11	1	533,480	0	534,394	0	534,565	0
1993	11	2	538,917	0	539,917	0	540,113	0
1993	11	3	550,745	0	551,870	0	552,090	0
1993	11	4	558,020	0	559,269	0	559,513	0
1993	11	5	564,115	0	565,489	0	565,757	0
1993	11	6	569,351	0	570,851	0	571,145	0
1993	12	1	574,557	0	576,182	0	576,499	0
1993	12	2	577,650	0	579,399	0	579,741	0
1993	12	3	580,258	0	582,132	0	582,498	0
1993	12	4	578,046	0	580,047	0	580,154	0
1993	12	5	575,748	0	577,636	0	577,636	0
1993	12	6	573,083	0	574,790	0	574,790	0
1993	1	1	565,657	0	572,072	0	572,086	0
1993	1	2	557,955	0	569,053	0	569,080	0
1993	1	3	554,382	0	565,886	0	565,931	0
1993	1	4	548,472	0	563,055	0	563,117	0
1993	1	5	538,571	0	559,465	0	559,950	0
1993	1	6	527,150	0	555,641	0	556,063	0
1993	2	1	512,903	0	548,721	0	550,391	0
1993	2	2	502,885	0	545,100	0	548,009	0
1993	2	3	492,569	0	541,173	0	544,742	0
1993	2	4	480,201	0	535,172	0	539,987	0
1993	2	5	494,100	0	540,334	0	540,858	0
1993	2	6	489,623	0	538,511	0	538,923	0
1993	3	1	480,513	0	535,310	0	535,714	0
1993	3	2	483,619	0	533,006	0	533,236	0
1993	3	3	489,779	0	530,926	0	531,169	0
1993	3	4	487,377	0	529,573	0	529,828	0
1993	3	5	503,590	0	533,841	0	534,096	0
1993	3	6	512,512	0	536,276	0	536,546	0

栗橋上流ダム群貯水量・不足量(1994年度)

単位：千³m

年度	月	平旬	切下げ無し		切下げ率17.9%		切下げ率21.4%	
			貯水量	不足量	貯水量	不足量	貯水量	不足量
1994	4	1	534,766	0	551,638	0	551,939	0
1994	4	2	555,217	0	571,636	0	571,968	0
1994	4	3	559,084	0	575,268	0	575,643	0
1994	4	4	557,446	0	573,599	0	574,023	0
1994	4	5	555,178	0	571,420	0	571,903	0
1994	4	6	548,418	0	568,711	0	569,278	0
1994	5	1	549,593	0	566,413	0	567,067	0
1994	5	2	543,143	0	563,871	0	564,621	0
1994	5	3	544,020	0	561,190	0	562,045	0
1994	5	4	542,797	0	560,008	0	560,920	0
1994	5	5	512,657	0	540,292	0	543,243	0
1994	5	6	550,774	0	566,762	0	568,309	0
1994	6	1	544,367	0	567,552	0	569,154	0
1994	6	2	522,741	0	556,901	0	560,122	0
1994	6	3	528,137	0	567,572	0	569,714	0
1994	6	4	501,843	0	510,446	0	511,446	0
1994	6	5	443,804	0	449,236	0	450,294	0
1994	6	6	381,721	0	387,453	0	388,570	0
1994	7	1	336,127	0	352,517	0	355,718	0
1994	7	2	307,611	0	334,286	0	339,498	0
1994	7	3	244,531	0	288,880	0	297,181	0
1994	7	4	248,397	0	299,459	0	308,377	0
1994	7	5	194,963	0	263,027	0	275,169	0
1994	7	6	132,584	0	218,287	0	233,490	0
1994	8	1	103,372	0	203,344	0	221,096	0
1994	8	2	44,672	0	160,671	0	181,362	0
1994	8	3	0	-24,509	82,772	0	113,176	0
1994	8	4	0	-77,118	12,301	0	47,177	0
1994	8	5	24,529	-77,247	39,029	0	74,360	0
1994	8	6	21,191	-81,856	40,366	0	77,560	0
1994	9	1	19,320	-93,679	35,817	0	73,391	0
1994	9	2	35,209	0	47,718	0	85,557	0
1994	9	3	50,139	0	63,842	0	99,720	0
1994	9	4	104,242	0	111,435	0	142,990	0
1994	9	5	120,196	0	126,911	0	158,113	0
1994	9	6	165,210	0	171,851	0	202,065	0
1994	10	1	245,495	0	252,135	0	279,924	0
1994	10	2	269,425	0	274,965	0	302,060	0
1994	10	3	281,573	0	287,212	0	314,307	0
1994	10	4	288,140	0	294,425	0	321,646	0
1994	10	5	298,663	0	305,636	0	332,992	0
1994	10	6	302,893	0	310,619	0	338,122	0
1994	11	1	305,295	0	313,721	0	341,360	0
1994	11	2	307,382	0	316,525	0	344,305	0
1994	11	3	306,941	0	318,460	0	346,700	0
1994	11	4	305,394	0	319,413	0	348,130	0
1994	11	5	302,617	0	318,966	0	348,155	0
1994	11	6	297,921	0	317,047	0	346,779	0
1994	12	1	294,318	0	317,632	0	347,859	0
1994	12	2	294,106	0	323,583	0	354,189	0
1994	12	3	295,653	0	329,554	0	360,357	0
1994	12	4	289,441	0	329,553	0	361,114	0
1994	12	5	280,498	0	327,059	0	359,881	0
1994	12	6	277,409	0	330,559	0	361,446	0
1994	1	1	263,161	0	322,725	0	354,866	0
1994	1	2	249,739	0	315,728	0	349,125	0
1994	1	3	234,792	0	307,220	0	341,876	0
1994	1	4	215,551	0	294,543	0	330,483	0
1994	1	5	203,606	0	289,028	0	326,224	0
1994	1	6	181,081	0	274,327	0	313,037	0
1994	2	1	159,818	0	259,891	0	299,890	0
1994	2	2	137,817	0	244,486	0	285,775	0
1994	2	3	116,566	0	229,822	0	272,399	0
1994	2	4	95,627	0	215,777	0	259,644	0
1994	2	5	71,301	0	198,984	0	244,139	0
1994	2	6	56,576	0	188,970	0	235,046	0
1994	3	1	37,616	0	177,799	0	225,175	0
1994	3	2	20,241	0	166,982	0	215,640	0
1994	3	3	18,561	0	171,302	0	221,178	0
1994	3	4	41,332	0	197,825	0	247,743	0
1994	3	5	53,972	0	216,351	0	267,489	0
1994	3	6	98,622	0	260,148	0	310,284	0

栗橋上流ダム群貯水量・不足量(1995年度)

単位:千³m

年度	月	半旬	切下げ無し		切下げ率17.9%		切下げ率21.4%	
			貯水量	不足量	貯水量	不足量	貯水量	不足量
1995	4	1	135,821	0	288,083	0	332,765	0
1995	4	2	176,993	0	325,076	0	365,198	0
1995	4	3	206,391	0	350,232	0	388,741	0
1995	4	4	248,463	0	387,871	0	422,600	0
1995	4	5	293,542	0	425,989	0	459,794	0
1995	4	6	338,366	0	457,028	0	479,083	0
1995	5	1	376,836	0	473,439	0	488,753	0
1995	5	2	397,287	0	476,442	0	489,872	0
1995	5	3	419,148	0	483,254	0	496,709	0
1995	5	4	433,594	0	491,696	0	505,150	0
1995	5	5	439,875	0	493,501	0	506,996	0
1995	5	6	446,174	0	494,535	0	508,083	0
1995	6	1	450,960	0	494,962	0	508,565	0
1995	6	2	458,430	0	497,920	0	511,584	0
1995	6	3	477,807	0	512,699	0	526,420	0
1995	6	4	441,253	0	476,533	0	490,330	0
1995	6	5	395,294	0	431,029	0	444,915	0
1995	6	6	348,606	0	385,025	0	399,046	0
1995	7	1	352,610	0	389,703	0	401,946	0
1995	7	2	369,869	0	399,697	0	402,317	0
1995	7	3	374,910	0	400,108	0	402,727	0
1995	7	4	376,107	0	400,453	0	403,073	0
1995	7	5	376,103	0	400,700	0	403,319	0
1995	7	6	374,516	0	399,989	0	402,780	0
1995	8	1	357,988	0	392,631	0	397,097	0
1995	8	2	355,746	0	392,727	0	395,985	0
1995	8	3	321,985	0	367,841	0	372,835	0
1995	8	4	292,860	0	348,977	0	355,977	0
1995	8	5	301,759	0	360,992	0	367,187	0
1995	8	6	275,751	0	344,861	0	352,988	0
1995	9	1	270,947	0	347,966	0	357,639	0
1995	9	2	242,167	0	328,798	0	339,970	0
1995	9	3	225,064	0	319,646	0	332,290	0
1995	9	4	284,253	0	374,829	0	382,560	0
1995	9	5	286,970	0	375,203	0	383,272	0
1995	9	6	289,050	0	372,914	0	381,157	0
1995	10	1	306,732	0	391,474	0	399,889	0
1995	10	2	323,303	0	408,676	0	417,215	0
1995	10	3	324,833	0	412,602	0	421,529	0
1995	10	4	324,392	0	414,493	0	423,877	0
1995	10	5	324,003	0	417,807	0	427,325	0
1995	10	6	320,006	0	419,336	0	429,385	0
1995	11	1	310,286	0	415,959	0	427,228	0
1995	11	2	307,319	0	419,193	0	431,354	0
1995	11	3	301,487	0	419,576	0	432,953	0
1995	11	4	295,369	0	419,711	0	434,310	0
1995	11	5	289,650	0	420,230	0	436,049	0
1995	11	6	276,729	0	413,622	0	430,667	0
1995	12	1	258,831	0	402,181	0	420,471	0
1995	12	2	242,782	0	392,624	0	412,162	0
1995	12	3	225,252	0	381,642	0	402,427	0
1995	12	4	203,341	0	366,779	0	388,853	0
1995	12	5	183,624	0	353,540	0	376,881	0
1995	12	6	160,996	0	338,689	0	363,550	0
1995	1	1	136,000	0	320,619	0	346,772	0
1995	1	2	116,841	0	307,951	0	335,373	0
1995	1	3	93,332	0	292,066	0	320,784	0
1995	1	4	78,186	0	283,215	0	313,164	0
1995	1	5	52,672	0	265,290	0	296,536	0
1995	1	6	20,666	0	242,608	0	275,412	0
1995	2	1	0	-5,732	223,212	0	257,430	0
1995	2	2	0	-26,792	204,643	0	240,164	0
1995	2	3	0	-47,882	186,410	0	223,214	0
1995	2	4	0	-65,093	172,593	0	210,673	0
1995	2	5	0	-89,414	151,838	0	191,466	0
1995	2	6	0	-106,370	138,214	0	179,074	0
1995	3	1	0	-129,901	117,885	0	160,044	0
1995	3	2	0	-150,459	100,084	0	143,549	0
1995	3	3	0	-172,470	82,180	0	126,083	0
1995	3	4	1,974	0	90,154	0	135,085	0
1995	3	5	8,882	0	103,275	0	149,429	0
1995	3	6	21,712	0	123,370	0	170,944	0

栗橋上流ダム群貯水量・不足量(1996年度)

単位：千³m

年度	月	半旬	切下げ無し		切下げ率17.9%		切下げ率21.4%	
			貯水量	不足量	貯水量	不足量	貯水量	不足量
1996	4	1	37,320	0	145,535	0	194,391	0
1996	4	2	31,934	0	146,814	0	196,980	0
1996	4	3	18,693	0	139,914	0	191,389	0
1996	4	4	62,006	0	186,611	0	235,651	0
1996	4	5	76,279	0	207,509	0	257,845	0
1996	4	6	133,347	0	268,829	0	318,045	0
1996	5	1	219,657	0	334,674	0	379,113	0
1996	5	2	272,313	0	375,839	0	408,468	0
1996	5	3	318,365	0	394,691	0	427,344	0
1996	5	4	336,815	0	411,532	0	435,937	0
1996	5	5	352,259	0	415,156	0	439,726	0
1996	5	6	358,194	0	418,692	0	443,548	0
1996	6	1	355,648	0	417,756	0	442,948	0
1996	6	2	336,774	0	409,748	0	438,242	0
1996	6	3	326,285	0	405,753	0	434,549	0
1996	6	4	311,982	0	364,926	0	383,854	0
1996	6	5	290,593	0	319,049	0	338,297	0
1996	6	6	253,465	0	275,490	0	295,095	0
1996	7	1	248,437	0	270,073	0	290,198	0
1996	7	2	253,915	0	271,695	0	292,130	0
1996	7	3	247,953	0	272,968	0	293,710	0
1996	7	4	244,536	0	271,889	0	292,975	0
1996	7	5	257,124	0	275,850	0	297,288	0
1996	7	6	236,648	0	262,788	0	286,248	0
1996	8	1	209,432	0	242,440	0	267,765	0
1996	8	2	146,836	0	187,086	0	212,903	0
1996	8	3	83,353	0	132,374	0	155,778	0
1996	8	4	12,295	0	70,290	0	93,293	0
1996	8	5	0	-39,070	15,239	0	44,300	0
1996	8	6	0	-53,969	7,218	0	38,098	0
1996	9	1	0	-93,506	0	-27,632	4,658	0
1996	9	2	27,294	0	27,566	0	31,586	0
1996	9	3	42,414	0	44,418	0	48,777	0
1996	9	4	35,360	0	43,364	0	48,895	0
1996	9	5	90,730	0	98,706	0	104,189	0
1996	9	6	100,320	0	109,191	0	114,849	0
1996	10	1	120,672	0	130,075	0	134,826	0
1996	10	2	153,011	0	162,920	0	167,770	0
1996	10	3	167,993	0	178,452	0	183,410	0
1996	10	4	180,810	0	191,848	0	196,906	0
1996	10	5	185,912	0	198,696	0	203,888	0
1996	10	6	187,442	0	203,320	0	209,117	0
1996	11	1	195,460	0	212,156	0	218,077	0
1996	11	2	206,467	0	224,142	0	230,255	0
1996	11	3	213,759	0	232,375	0	238,671	0
1996	11	4	216,502	0	238,658	0	245,146	0
1996	11	5	219,202	0	246,044	0	252,720	0
1996	11	6	222,118	0	255,078	0	262,950	0
1996	12	1	215,980	0	255,030	0	264,093	0
1996	12	2	210,705	0	255,847	0	266,101	0
1996	12	3	198,808	0	250,050	0	261,495	0
1996	12	4	195,533	0	252,868	0	265,503	0
1996	12	5	183,294	0	246,845	0	260,681	0
1996	12	6	164,611	0	235,707	0	251,001	0
1996	1	1	147,919	0	225,432	0	241,981	0
1996	1	2	146,575	0	230,394	0	248,176	0
1996	1	3	127,515	0	219,156	0	238,468	0
1996	1	4	106,322	0	205,205	0	225,802	0
1996	1	5	88,696	0	194,154	0	216,037	0
1996	1	6	64,352	0	177,562	0	200,960	0
1996	2	1	46,722	0	166,521	0	191,208	0
1996	2	2	24,012	0	151,643	0	177,644	0
1996	2	3	5,228	0	140,704	0	168,239	0
1996	2	4	0	-13,510	128,789	0	157,674	0
1996	2	5	0	-36,739	110,410	0	140,823	0
1996	2	6	0	-43,180	106,669	0	137,836	0
1996	3	1	0	-55,596	98,917	0	131,239	0
1996	3	2	0	-63,181	96,244	0	129,674	0
1996	3	3	0	-69,152	95,407	0	130,041	0
1996	3	4	3,408	0	104,515	0	140,331	0
1996	3	5	2,398	0	109,568	0	146,614	0
1996	3	6	27,602	0	142,169	0	180,661	0

栗橋上流ダム群貯水量・不足量(1997年度)

単位:千m³

年度	月	半旬	切下げ無し		切下げ率17.9%		切下げ率21.4%	
			貯水量	不足量	貯水量	不足量	貯水量	不足量
1997	4	1	67,587	0	188,686	0	228,482	0
1997	4	2	157,578	0	268,541	0	307,973	0
1997	4	3	195,721	0	304,098	0	343,246	0
1997	4	4	211,714	0	329,982	0	367,133	0
1997	4	5	197,017	0	324,597	0	363,548	0
1997	4	6	178,558	0	315,871	0	356,726	0
1997	5	1	170,721	0	318,642	0	361,570	0
1997	5	2	180,338	0	338,215	0	383,090	0
1997	5	3	177,828	0	345,434	0	392,252	0
1997	5	4	189,168	0	364,316	0	412,609	0
1997	5	5	256,425	0	426,167	0	465,352	0
1997	5	6	304,849	0	452,790	0	480,835	0
1997	6	1	309,380	0	465,505	0	483,411	0
1997	6	2	300,028	0	464,435	0	483,290	0
1997	6	3	324,816	0	473,901	0	485,780	0
1997	6	4	339,482	0	439,567	0	447,392	0
1997	6	5	328,653	0	400,534	0	408,448	0
1997	6	6	297,980	0	351,200	0	359,248	0
1997	7	1	275,006	0	337,724	0	347,571	0
1997	7	2	232,185	0	306,723	0	318,412	0
1997	7	3	245,127	0	322,627	0	334,350	0
1997	7	4	262,174	0	338,171	0	349,845	0
1997	7	5	218,486	0	306,947	0	321,044	0
1997	7	6	257,993	0	327,101	0	339,895	0
1997	8	1	269,020	0	336,125	0	349,084	0
1997	8	2	272,955	0	339,398	0	352,497	0
1997	8	3	272,361	0	339,424	0	352,661	0
1997	8	4	262,085	0	330,494	0	344,166	0
1997	8	5	244,900	0	319,259	0	334,758	0
1997	8	6	257,492	0	322,896	0	336,884	0
1997	9	1	254,042	0	317,886	0	332,148	0
1997	9	2	259,560	0	321,829	0	335,931	0
1997	9	3	270,318	0	331,436	0	345,625	0
1997	9	4	285,291	0	346,254	0	360,519	0
1997	9	5	293,115	0	354,466	0	365,193	0
1997	9	6	311,095	0	360,945	0	371,321	0
1997	10	1	331,226	0	381,404	0	391,844	0
1997	10	2	348,221	0	399,029	0	409,593	0
1997	10	3	353,889	0	405,372	0	416,068	0
1997	10	4	355,202	0	408,926	0	419,748	0
1997	10	5	351,249	0	408,977	0	420,271	0
1997	10	6	346,547	0	411,797	0	424,561	0
1997	11	1	338,810	0	410,188	0	424,151	0
1997	11	2	325,764	0	403,479	0	418,667	0
1997	11	3	316,286	0	400,114	0	416,493	0
1997	11	4	325,625	0	411,805	0	427,560	0
1997	11	5	341,916	0	434,339	0	450,367	0
1997	11	6	399,601	0	485,459	0	498,574	0
1997	12	1	431,258	0	493,663	0	505,380	0
1997	12	2	455,147	0	501,102	0	512,843	0
1997	12	3	464,835	0	506,047	0	517,813	0
1997	12	4	468,023	0	506,926	0	518,717	0
1997	12	5	461,897	0	506,719	0	518,538	0
1997	12	6	448,465	0	500,762	0	514,044	0
1997	1	1	432,654	0	491,278	0	505,796	0
1997	1	2	425,552	0	490,386	0	506,118	0
1997	1	3	420,377	0	491,609	0	508,570	0
1997	1	4	441,635	0	504,448	0	516,712	0
1997	1	5	451,770	0	504,514	0	516,507	0
1997	1	6	449,328	0	503,907	0	515,997	0
1997	2	1	440,351	0	500,488	0	513,008	0
1997	2	2	431,660	0	498,020	0	510,963	0
1997	2	3	428,195	0	500,056	0	512,512	0
1997	2	4	436,131	0	502,885	0	515,462	0
1997	2	5	450,473	0	504,852	0	517,430	0
1997	2	6	457,484	0	505,516	0	518,109	0
1997	3	1	466,184	0	508,298	0	520,891	0
1997	3	2	468,253	0	508,847	0	521,464	0
1997	3	3	471,120	0	511,439	0	524,080	0
1997	3	4	472,839	0	513,283	0	525,950	0
1997	3	5	479,092	0	519,661	0	532,352	0
1997	3	6	498,000	0	531,680	0	543,970	0

栗橋上流ダム群貯水量・不足量(1998年度)

単位:千³m

年度	月	半月	切下げ無し		切下げ率17.9%		切下げ率21.4%	
			貯水量	不足量	貯水量	不足量	貯水量	不足量
1998	4	1	501,313	0	535,115	0	547,404	0
1998	4	2	510,282	0	544,083	0	556,373	0
1998	4	3	518,438	0	552,239	0	564,529	0
1998	4	4	525,116	0	558,918	0	571,207	0
1998	4	5	528,443	0	562,369	0	574,672	0
1998	4	6	530,858	0	564,908	0	577,236	0
1998	5	1	532,499	0	566,674	0	579,026	0
1998	5	2	533,718	0	568,017	0	580,393	0
1998	5	3	534,798	0	569,222	0	581,622	0
1998	5	4	536,279	0	570,843	0	583,271	0
1998	5	5	537,299	0	572,070	0	583,713	0
1998	5	6	539,004	0	574,052	0	584,149	0
1998	6	1	526,675	0	569,937	0	581,633	0
1998	6	2	528,096	0	573,456	0	581,741	0
1998	6	3	533,741	0	573,123	0	578,564	0
1998	6	4	496,143	0	522,668	0	523,672	0
1998	6	5	456,717	0	461,781	0	462,785	0
1998	6	6	397,796	0	400,847	0	401,851	0
1998	7	1	370,921	0	384,080	0	387,061	0
1998	7	2	373,044	0	387,706	0	389,919	0
1998	7	3	361,890	0	379,353	0	382,113	0
1998	7	4	325,826	0	357,436	0	362,962	0
1998	7	5	331,996	0	363,213	0	367,627	0
1998	7	6	343,418	0	369,373	0	372,432	0
1998	8	1	362,737	0	389,314	0	392,508	0
1998	8	2	371,113	0	398,306	0	400,592	0
1998	8	3	377,286	0	403,154	0	403,364	0
1998	8	4	388,044	0	402,104	0	402,366	0
1998	8	5	385,719	0	400,468	0	400,878	0
1998	8	6	394,684	0	403,490	0	403,490	0
1998	9	1	403,490	0	403,490	0	403,490	0
1998	9	2	403,490	0	403,490	0	403,490	0
1998	9	3	403,490	0	403,490	0	403,490	0
1998	9	4	403,490	0	403,490	0	403,490	0
1998	9	5	403,490	0	403,490	0	403,490	0
1998	9	6	403,490	0	403,490	0	403,490	0
1998	10	1	452,271	0	452,349	0	452,349	0
1998	10	2	487,379	0	487,457	0	487,457	0
1998	10	3	504,645	0	504,847	0	504,871	0
1998	10	4	526,917	0	527,120	0	527,144	0
1998	10	5	546,542	0	546,542	0	546,542	0
1998	10	6	555,780	0	555,780	0	555,780	0
1998	11	1	562,645	0	562,645	0	562,645	0
1998	11	2	568,766	0	568,766	0	568,766	0
1998	11	3	574,361	0	574,361	0	574,361	0
1998	11	4	579,839	0	579,839	0	579,839	0
1998	11	5	585,087	0	585,087	0	585,087	0
1998	11	6	586,388	0	586,395	0	586,396	0
1998	12	1	586,297	0	586,311	0	586,314	0
1998	12	2	586,271	0	586,285	0	586,288	0
1998	12	3	583,459	0	583,997	0	584,102	0
1998	12	4	582,198	0	583,807	0	584,028	0
1998	12	5	577,511	0	583,083	0	583,432	0
1998	12	6	567,049	0	579,538	0	580,061	0
1998	1	1	554,271	0	573,028	0	574,778	0
1998	1	2	543,116	0	568,161	0	571,139	0
1998	1	3	531,068	0	562,342	0	566,528	0
1998	1	4	517,153	0	554,741	0	560,156	0
1998	1	5	501,873	0	545,756	0	552,381	0
1998	1	6	487,887	0	539,354	0	547,463	0
1998	2	1	472,490	0	530,441	0	539,788	0
1998	2	2	455,262	0	519,714	0	530,299	0
1998	2	3	434,168	0	505,273	0	517,139	0
1998	2	4	417,423	0	495,017	0	508,124	0
1998	2	5	398,113	0	482,324	0	496,691	0
1998	2	6	386,102	0	474,170	0	489,291	0
1998	3	1	368,282	0	462,806	0	479,177	0
1998	3	2	355,144	0	456,076	0	473,699	0
1998	3	3	353,179	0	460,404	0	479,258	0
1998	3	4	405,165	0	508,851	0	526,186	0
1998	3	5	432,291	0	531,432	0	539,679	0
1998	3	6	468,583	0	545,852	0	550,706	0

栗橋上流ダム群貯水量・不足量(1999年度)

単位: 千³m

年度	月	半旬	切下げ無し		切下げ率17.9%		切下げ率21.4%	
			貯水量	不足量	貯水量	不足量	貯水量	不足量
1999	4	1	484,433	0	545,960	0	550,838	0
1999	4	2	496,961	0	546,231	0	551,133	0
1999	4	3	520,771	0	555,558	0	560,460	0
1999	4	4	529,695	0	557,449	0	562,376	0
1999	4	5	537,492	0	565,247	0	568,169	0
1999	4	6	545,255	0	569,224	0	569,811	0
1999	5	1	549,614	0	570,455	0	571,042	0
1999	5	2	552,625	0	570,982	0	571,569	0
1999	5	3	554,211	0	571,034	0	571,621	0
1999	5	4	554,759	0	571,073	0	571,660	0
1999	5	5	543,882	0	567,996	0	570,108	0
1999	5	6	539,816	0	569,844	0	570,543	0
1999	6	1	504,002	0	547,318	0	549,838	0
1999	6	2	458,806	0	512,177	0	516,662	0
1999	6	3	389,474	0	456,950	0	463,474	0
1999	6	4	374,108	0	451,448	0	459,901	0
1999	6	5	340,179	0	419,749	0	427,524	0
1999	6	6	353,074	0	375,878	0	377,248	0
1999	7	1	365,046	0	373,530	0	374,958	0
1999	7	2	367,806	0	373,910	0	375,338	0
1999	7	3	368,490	0	371,561	0	373,047	0
1999	7	4	368,490	0	369,213	0	370,756	0
1999	7	5	368,490	0	368,490	0	368,490	0
1999	7	6	368,863	0	368,863	0	368,863	0
1999	8	1	355,635	0	364,078	0	365,016	0
1999	8	2	356,836	0	359,880	0	360,475	0
1999	8	3	376,735	0	378,116	0	378,386	0
1999	8	4	387,133	0	387,133	0	387,133	0
1999	8	5	395,742	0	395,742	0	395,742	0
1999	8	6	398,308	0	398,308	0	398,308	0
1999	9	1	397,168	0	398,010	0	398,175	0
1999	9	2	392,809	0	394,434	0	394,752	0
1999	9	3	398,365	0	398,365	0	398,365	0
1999	9	4	398,386	0	398,386	0	398,386	0
1999	9	5	403,490	0	403,490	0	403,490	0
1999	9	6	403,490	0	403,490	0	403,490	0
1999	10	1	422,178	0	423,057	0	423,229	0
1999	10	2	436,599	0	438,107	0	438,402	0
1999	10	3	444,361	0	445,488	0	445,709	0
1999	10	4	448,577	0	450,351	0	450,693	0
1999	10	5	450,854	0	453,747	0	454,224	0
1999	10	6	495,081	0	496,523	0	496,797	0
1999	11	1	514,111	0	515,603	0	515,806	0
1999	11	2	522,750	0	523,977	0	524,217	0
1999	11	3	532,820	0	534,171	0	534,435	0
1999	11	4	543,651	0	545,126	0	545,414	0
1999	11	5	552,606	0	554,206	0	554,519	0
1999	11	6	556,382	0	560,802	0	561,243	0
1999	12	1	558,529	0	563,029	0	563,404	0
1999	12	2	559,396	0	563,087	0	563,499	0
1999	12	3	558,225	0	562,800	0	563,248	0
1999	12	4	551,866	0	562,028	0	562,609	0
1999	12	5	544,864	0	560,852	0	561,569	0
1999	12	6	532,204	0	555,640	0	557,790	0
1999	1	1	518,882	0	548,539	0	551,891	0
1999	1	2	514,415	0	550,224	0	554,767	0
1999	1	3	520,022	0	557,627	0	558,318	0
1999	1	4	518,484	0	556,855	0	557,586	0
1999	1	5	512,108	0	555,229	0	556,068	0
1999	1	6	500,568	0	551,095	0	552,105	0
1999	2	1	488,382	0	545,308	0	547,570	0
1999	2	2	477,314	0	540,633	0	544,124	0
1999	2	3	463,658	0	533,393	0	538,138	0
1999	2	4	451,981	0	528,137	0	534,138	0
1999	2	5	436,105	0	518,772	0	526,027	0
1999	2	6	417,329	0	505,286	0	513,575	0
1999	3	1	394,640	0	488,967	0	498,501	0
1999	3	2	377,170	0	477,886	0	488,670	0
1999	3	3	352,127	0	459,466	0	471,511	0
1999	3	4	334,350	0	448,020	0	461,303	0
1999	3	5	319,377	0	439,484	0	454,025	0
1999	3	6	341,248	0	468,900	0	484,916	0

栗橋上流ダム群貯水量・不足量(2000年度)

単位：千³m

年度	月	半旬	切下げ無し		切下げ率17.9%		切下げ率21.4%	
			貯水量	不足量	貯水量	不足量	貯水量	不足量
2000	4	1	343,858	0	478,392	0	495,755	0
2000	4	2	377,186	0	517,801	0	526,775	0
2000	4	3	422,547	0	531,779	0	537,907	0
2000	4	4	446,955	0	534,771	0	539,056	0
2000	4	5	495,642	0	544,849	0	549,158	0
2000	4	6	511,203	0	546,800	0	551,134	0
2000	5	1	514,105	0	547,270	0	551,629	0
2000	5	2	514,131	0	547,421	0	551,803	0
2000	5	3	514,442	0	547,856	0	552,263	0
2000	5	4	519,000	0	552,554	0	556,988	0
2000	5	5	520,780	0	554,541	0	559,016	0
2000	5	6	520,883	0	554,921	0	559,450	0
2000	6	1	520,555	0	554,869	0	559,452	0
2000	6	2	517,859	0	553,779	0	558,626	0
2000	6	3	523,065	0	558,057	0	562,764	0
2000	6	4	474,860	0	508,447	0	509,088	0
2000	6	5	430,293	0	447,473	0	448,115	0
2000	6	6	383,183	0	386,509	0	387,151	0
2000	7	1	383,865	0	387,191	0	387,833	0
2000	7	2	392,816	0	396,142	0	396,784	0
2000	7	3	393,127	0	396,453	0	397,095	0
2000	7	4	395,179	0	398,505	0	399,147	0
2000	7	5	394,022	0	398,548	0	399,357	0
2000	7	6	389,511	0	396,046	0	397,034	0
2000	8	1	392,907	0	398,946	0	399,877	0
2000	8	2	397,784	0	401,110	0	401,752	0
2000	8	3	398,242	0	401,568	0	402,210	0
2000	8	4	393,084	0	397,826	0	398,573	0
2000	8	5	381,321	0	390,835	0	391,690	0
2000	8	6	361,715	0	384,143	0	386,861	0
2000	9	1	343,329	0	374,904	0	379,065	0
2000	9	2	372,806	0	395,322	0	396,790	0
2000	9	3	403,490	0	403,490	0	403,490	0
2000	9	4	403,490	0	403,490	0	403,490	0
2000	9	5	403,490	0	403,490	0	403,490	0
2000	9	6	403,490	0	403,490	0	403,490	0
2000	10	1	425,418	0	425,746	0	425,810	0
2000	10	2	441,994	0	442,447	0	442,535	0
2000	10	3	451,412	0	452,539	0	452,760	0
2000	10	4	466,299	0	468,073	0	468,419	0
2000	10	5	489,740	0	491,598	0	491,961	0
2000	10	6	508,723	0	510,730	0	511,123	0
2000	11	1	526,620	0	527,744	0	527,964	0
2000	11	2	535,493	0	536,742	0	536,986	0
2000	11	3	543,269	0	544,642	0	544,911	0
2000	11	4	552,548	0	554,046	0	554,339	0
2000	11	5	561,871	0	563,493	0	563,810	0
2000	11	6	568,096	0	569,845	0	570,187	0
2000	12	1	573,136	0	575,016	0	575,383	0
2000	12	2	573,477	0	575,495	0	575,889	0
2000	12	3	572,812	0	575,034	0	575,468	0
2000	12	4	571,209	0	574,856	0	575,331	0
2000	12	5	568,950	0	575,123	0	575,629	0
2000	12	6	562,065	0	573,409	0	574,081	0
2000	1	1	549,827	0	567,388	0	569,275	0
2000	1	2	547,330	0	568,398	0	569,340	0
2000	1	3	540,517	0	566,136	0	567,204	0
2000	1	4	527,760	0	559,740	0	562,030	0
2000	1	5	512,394	0	550,962	0	554,476	0
2000	1	6	509,481	0	555,817	0	559,091	0
2000	2	1	493,289	0	547,291	0	552,020	0
2000	2	2	480,450	0	541,223	0	547,177	0
2000	2	3	459,010	0	527,339	0	534,771	0
2000	2	4	440,831	0	516,736	0	525,645	0
2000	2	5	439,043	0	521,024	0	531,121	0
2000	2	6	436,490	0	522,127	0	532,940	0
2000	3	1	454,725	0	539,820	0	548,383	0
2000	3	2	451,580	0	542,959	0	552,750	0
2000	3	3	442,598	0	540,209	0	551,218	0
2000	3	4	437,643	0	541,369	0	553,574	0
2000	3	5	464,427	0	567,316	0	570,026	0
2000	3	6	502,821	0	577,886	0	578,099	0

栗橋上流ダム群貯水量・不足量(2001年度)

単位: 千m³

年度	月	半旬	切下げ無し		切下げ率17.9%		切下げ率21.4%	
			貯水量	不足量	貯水量	不足量	貯水量	不足量
2001	4	1	515,038	0	577,848	0	578,060	0
2001	4	2	548,518	0	577,772	0	577,986	0
2001	4	3	558,777	0	577,651	0	577,885	0
2001	4	4	558,115	0	576,565	0	576,868	0
2001	4	5	549,829	0	573,508	0	573,898	0
2001	4	6	551,976	0	570,243	0	570,735	0
2001	5	1	551,397	0	567,117	0	567,730	0
2001	5	2	550,209	0	564,550	0	565,285	0
2001	5	3	545,919	0	560,100	0	560,999	0
2001	5	4	542,155	0	556,787	0	557,943	0
2001	5	5	547,416	0	555,185	0	556,371	0
2001	5	6	551,630	0	554,721	0	555,924	0
2001	6	1	551,094	0	554,408	0	555,626	0
2001	6	2	551,868	0	554,646	0	555,863	0
2001	6	3	552,805	0	555,583	0	556,801	0
2001	6	4	493,439	0	496,217	0	497,435	0
2001	6	5	432,444	0	435,222	0	436,440	0
2001	6	6	371,471	0	374,249	0	375,467	0
2001	7	1	369,976	0	373,469	0	374,827	0
2001	7	2	326,422	0	342,685	0	346,629	0
2001	7	3	262,568	0	300,783	0	307,112	0
2001	7	4	281,564	0	317,544	0	323,145	0
2001	7	5	275,218	0	314,640	0	320,697	0
2001	7	6	242,367	0	296,952	0	305,909	0
2001	8	1	219,229	0	288,454	0	299,275	0
2001	8	2	175,390	0	258,623	0	271,263	0
2001	8	3	200,051	0	283,288	0	295,967	0
2001	8	4	173,315	0	266,934	0	281,644	0
2001	8	5	252,799	0	329,689	0	342,198	0
2001	8	6	284,032	0	359,130	0	370,722	0
2001	9	1	295,151	0	370,812	0	382,514	0
2001	9	2	346,956	0	398,194	0	403,490	0
2001	9	3	366,797	0	403,490	0	403,490	0
2001	9	4	371,497	0	403,490	0	403,490	0
2001	9	5	369,630	0	402,961	0	403,222	0
2001	9	6	368,922	0	402,774	0	403,136	0
2001	10	1	392,855	0	427,577	0	428,111	0
2001	10	2	430,737	0	466,271	0	466,964	0
2001	10	3	465,024	0	499,197	0	499,825	0
2001	10	4	477,185	0	511,466	0	512,094	0
2001	10	5	489,415	0	523,833	0	524,479	0
2001	10	6	502,706	0	533,927	0	534,057	0
2001	11	1	513,999	0	542,191	0	542,345	0
2001	11	2	528,743	0	550,827	0	550,844	0
2001	11	3	535,305	0	555,782	0	555,800	0
2001	11	4	538,303	0	560,498	0	560,547	0
2001	11	5	538,900	0	563,195	0	563,656	0
2001	11	6	542,001	0	568,429	0	569,307	0
2001	12	1	546,654	0	572,890	0	573,392	0
2001	12	2	548,663	0	573,629	0	574,134	0
2001	12	3	550,870	0	573,235	0	573,745	0
2001	12	4	547,241	0	570,764	0	571,279	0
2001	12	5	545,289	0	568,468	0	569,024	0
2001	12	6	528,710	0	559,378	0	561,399	0
2001	1	1	532,274	0	569,218	0	571,807	0
2001	1	2	534,447	0	568,224	0	568,916	0
2001	1	3	540,262	0	568,956	0	569,675	0
2001	1	4	546,358	0	574,980	0	575,184	0
2001	1	5	556,764	0	578,748	0	579,015	0
2001	1	6	565,845	0	580,701	0	580,844	0
2001	2	1	567,387	0	580,710	0	580,852	0
2001	2	2	569,422	0	580,749	0	580,891	0
2001	2	3	570,495	0	580,525	0	580,669	0
2001	2	4	571,048	0	580,121	0	580,270	0
2001	2	5	571,640	0	579,816	0	579,971	0
2001	2	6	572,249	0	579,779	0	579,937	0
2001	3	1	573,428	0	580,258	0	580,420	0
2001	3	2	574,958	0	580,946	0	581,119	0
2001	3	3	577,031	0	581,800	0	581,992	0
2001	3	4	572,003	0	583,189	0	583,404	0
2001	3	5	569,173	0	583,151	0	583,372	0
2001	3	6	546,986	0	570,433	0	572,505	0

栗橋上流ダム群貯水量・不足量(2002年度)

単位：千³m

年度	月	半旬	切下げ無し		切下げ率17.9%		切下げ率21.4%	
			貯水量	不足量	貯水量	不足量	貯水量	不足量
2002	4	1	531,153	0	561,254	0	563,152	0
2002	4	2	542,005	0	562,773	0	564,357	0
2002	4	3	541,623	0	559,664	0	561,338	0
2002	4	4	563,538	0	572,941	0	573,956	0
2002	4	5	563,525	0	573,475	0	574,577	0
2002	4	6	562,855	0	573,433	0	574,193	0
2002	5	1	559,809	0	571,448	0	572,330	0
2002	5	2	559,455	0	570,591	0	571,649	0
2002	5	3	559,853	0	570,727	0	571,851	0
2002	5	4	563,892	0	573,987	0	575,191	0
2002	5	5	567,391	0	577,296	0	578,501	0
2002	5	6	567,350	0	578,432	0	579,045	0
2002	6	1	564,287	0	576,154	0	576,934	0
2002	6	2	560,299	0	572,255	0	573,243	0
2002	6	3	556,861	0	568,746	0	569,912	0
2002	6	4	502,681	0	509,443	0	510,477	0
2002	6	5	441,777	0	448,540	0	449,574	0
2002	6	6	380,929	0	387,692	0	388,726	0
2002	7	1	363,428	0	375,936	0	378,029	0
2002	7	2	381,123	0	396,779	0	398,075	0
2002	7	3	393,387	0	400,941	0	401,200	0
2002	7	4	393,011	0	398,652	0	398,911	0
2002	7	5	389,717	0	395,985	0	396,412	0
2002	7	6	385,487	0	393,763	0	394,582	0
2002	8	1	386,040	0	395,825	0	396,939	0
2002	8	2	389,077	0	400,397	0	401,811	0
2002	8	3	396,310	0	400,319	0	401,103	0
2002	8	4	403,252	0	403,490	0	403,490	0
2002	8	5	401,045	0	402,612	0	402,919	0
2002	8	6	402,807	0	403,490	0	403,490	0
2002	9	1	403,291	0	403,490	0	403,490	0
2002	9	2	403,490	0	403,490	0	403,490	0
2002	9	3	399,611	0	400,356	0	400,502	0
2002	9	4	396,453	0	398,473	0	398,867	0
2002	9	5	392,116	0	395,472	0	396,129	0
2002	9	6	390,811	0	394,681	0	395,438	0
2002	10	1	446,681	0	451,408	0	452,333	0
2002	10	2	466,967	0	471,168	0	471,989	0
2002	10	3	479,742	0	484,066	0	484,912	0
2002	10	4	499,635	0	504,097	0	504,969	0
2002	10	5	516,966	0	521,482	0	522,365	0
2002	10	6	537,830	0	538,858	0	539,050	0
2002	11	1	539,683	0	541,036	0	541,291	0
2002	11	2	541,264	0	543,671	0	544,093	0
2002	11	3	536,093	0	540,662	0	541,506	0
2002	11	4	530,473	0	537,293	0	538,447	0
2002	11	5	521,526	0	532,428	0	533,884	0
2002	11	6	518,986	0	530,229	0	532,125	0
2002	12	1	527,903	0	539,853	0	541,846	0
2002	12	2	539,921	0	551,863	0	553,855	0
2002	12	3	542,708	0	556,109	0	558,197	0
2002	12	4	550,129	0	560,892	0	562,596	0
2002	12	5	549,674	0	560,304	0	562,104	0
2002	12	6	557,067	0	568,276	0	570,191	0
2002	1	1	565,560	0	577,983	0	579,999	0
2002	1	2	568,446	0	582,364	0	582,864	0
2002	1	3	570,411	0	582,179	0	582,324	0
2002	1	4	575,570	0	581,663	0	581,817	0
2002	1	5	574,399	0	580,499	0	580,661	0
2002	1	6	574,150	0	580,038	0	580,206	0
2002	2	1	573,809	0	579,687	0	579,864	0
2002	2	2	573,537	0	579,428	0	579,613	0
2002	2	3	573,696	0	579,501	0	579,694	0
2002	2	4	573,554	0	579,021	0	579,223	0
2002	2	5	573,131	0	578,505	0	578,716	0
2002	2	6	572,755	0	578,146	0	578,362	0
2002	3	1	572,422	0	577,019	0	577,300	0
2002	3	2	573,303	0	577,232	0	577,577	0
2002	3	3	574,263	0	577,910	0	578,256	0
2002	3	4	574,967	0	578,159	0	578,375	0
2002	3	5	575,710	0	578,677	0	578,894	0
2002	3	6	569,458	0	575,708	0	576,052	0

河口堰上流ダム群貯水量・不足量(1983年度)

単位：千³m

年度	月	半旬	切下げ無し		切下げ率17.9%		切下げ率21.4%	
			貯水量	不足量	貯水量	不足量	貯水量	不足量
1983	4	1	818,380	0	823,740	0	823,740	0
1983	4	2	830,069	0	830,069	0	830,069	0
1983	4	3	832,484	0	832,484	0	832,484	0
1983	4	4	835,352	0	835,352	0	835,352	0
1983	4	5	833,179	0	835,434	0	835,434	0
1983	4	6	824,811	0	830,734	0	831,451	0
1983	5	1	809,035	0	820,370	0	822,131	0
1983	5	2	803,561	0	817,831	0	820,155	0
1983	5	3	767,135	0	796,597	0	801,850	0
1983	5	4	784,735	0	807,315	0	811,265	0
1983	5	5	748,269	0	785,277	0	791,701	0
1983	5	6	677,560	0	731,007	0	740,511	0
1983	6	1	593,371	0	663,845	0	676,679	0
1983	6	2	508,820	0	596,453	0	612,642	0
1983	6	3	480,229	0	579,486	0	598,179	0
1983	6	4	412,858	0	525,938	0	547,335	0
1983	6	5	436,953	0	542,456	0	561,055	0
1983	6	6	385,683	0	497,092	0	516,971	0
1983	7	1	410,065	0	517,975	0	538,407	0
1983	7	2	433,937	0	543,991	0	553,668	0
1983	7	3	434,659	0	546,335	0	552,222	0
1983	7	4	440,150	0	550,838	0	554,783	0
1983	7	5	466,940	0	554,268	0	555,012	0
1983	7	6	496,551	0	554,804	0	555,499	0
1983	8	1	499,070	0	555,015	0	555,875	0
1983	8	2	494,227	0	552,598	0	553,757	0
1983	8	3	497,813	0	544,928	0	545,933	0
1983	8	4	550,290	0	550,290	0	550,290	0
1983	8	5	550,290	0	550,290	0	550,290	0
1983	8	6	550,290	0	550,290	0	550,290	0
1983	9	1	545,586	0	546,428	0	546,592	0
1983	9	2	541,209	0	542,835	0	543,153	0
1983	9	3	542,911	0	545,282	0	545,746	0
1983	9	4	545,244	0	548,890	0	549,602	0
1983	9	5	549,301	0	549,301	0	549,301	0
1983	9	6	550,290	0	550,290	0	550,290	0
1983	10	1	598,193	0	598,435	0	598,435	0
1983	10	2	633,289	0	633,531	0	633,531	0
1983	10	3	651,226	0	651,592	0	651,617	0
1983	10	4	661,454	0	661,957	0	662,008	0
1983	10	5	668,072	0	668,712	0	668,790	0
1983	10	6	685,221	0	686,010	0	686,118	0
1983	11	1	692,733	0	693,647	0	693,779	0
1983	11	2	699,140	0	700,179	0	700,334	0
1983	11	3	704,886	0	706,049	0	706,229	0
1983	11	4	711,543	0	712,830	0	713,035	0
1983	11	5	719,513	0	720,925	0	721,154	0
1983	11	6	728,019	0	729,558	0	729,812	0
1983	12	1	731,508	0	733,171	0	733,449	0
1983	12	2	732,531	0	734,319	0	734,622	0
1983	12	3	731,763	0	734,945	0	735,272	0
1983	12	4	721,904	0	732,076	0	733,616	0
1983	12	5	714,150	0	730,656	0	733,420	0
1983	12	6	696,975	0	722,601	0	727,148	0
1983	1	1	685,985	0	717,928	0	723,710	0
1983	1	2	677,216	0	715,356	0	722,351	0
1983	1	3	668,109	0	712,455	0	720,663	0
1983	1	4	657,784	0	708,336	0	717,757	0
1983	1	5	647,853	0	704,728	0	715,385	0
1983	1	6	634,639	0	698,959	0	711,073	0
1983	2	1	621,994	0	692,651	0	706,003	0
1983	2	2	606,442	0	683,435	0	698,026	0
1983	2	3	586,641	0	670,053	0	685,884	0
1983	2	4	567,931	0	657,685	0	674,756	0
1983	2	5	551,778	0	647,849	0	666,155	0
1983	2	6	541,559	0	642,682	0	661,976	0
1983	3	1	521,082	0	629,830	0	650,551	0
1983	3	2	501,862	0	617,248	0	639,222	0
1983	3	3	480,997	0	603,530	0	626,743	0
1983	3	4	463,514	0	593,814	0	618,547	0
1983	3	5	447,383	0	585,650	0	611,940	0
1983	3	6	434,283	0	580,976	0	608,729	0

河口堰上流ダム群貯水量・不足量(1984年度)

単位：千³m

年度	月	半旬	切下げ無し		切下げ率17.9%		切下げ率21.4%	
			貯水量	不足量	貯水量	不足量	貯水量	不足量
1984	4	1	438,996	0	595,810	0	625,542	0
1984	4	2	481,621	0	633,693	0	661,589	0
1984	4	3	497,925	0	660,435	0	690,372	0
1984	4	4	569,745	0	734,137	0	760,252	0
1984	4	5	627,853	0	777,656	0	789,724	0
1984	4	6	680,566	0	786,084	0	795,057	0
1984	5	1	737,642	0	796,218	0	805,215	0
1984	5	2	752,210	0	800,146	0	809,225	0
1984	5	3	748,624	0	799,483	0	808,687	0
1984	5	4	746,832	0	799,685	0	809,001	0
1984	5	5	732,822	0	791,403	0	801,778	0
1984	5	6	716,902	0	782,531	0	794,164	0
1984	6	1	699,778	0	771,188	0	784,048	0
1984	6	2	667,922	0	752,971	0	769,129	0
1984	6	3	634,788	0	733,026	0	751,330	0
1984	6	4	576,796	0	671,827	0	685,169	0
1984	6	5	537,692	0	609,639	0	614,321	0
1984	6	6	498,803	0	528,901	0	531,667	0
1984	7	1	491,126	0	524,994	0	528,677	0
1984	7	2	485,160	0	522,983	0	527,389	0
1984	7	3	486,201	0	525,398	0	529,587	0
1984	7	4	491,325	0	528,594	0	532,664	0
1984	7	5	491,584	0	529,841	0	534,050	0
1984	7	6	494,166	0	528,930	0	533,139	0
1984	8	1	490,524	0	526,624	0	531,506	0
1984	8	2	478,536	0	522,857	0	528,683	0
1984	8	3	467,965	0	516,366	0	521,667	0
1984	8	4	378,165	0	446,420	0	455,605	0
1984	8	5	286,278	0	375,237	0	388,455	0
1984	8	6	205,455	0	312,845	0	329,644	0
1984	9	1	157,991	0	274,015	0	292,503	0
1984	9	2	122,450	0	250,594	0	271,324	0
1984	9	3	96,228	0	236,452	0	259,545	0
1984	9	4	86,262	0	233,318	0	257,746	0
1984	9	5	68,390	0	222,190	0	247,937	0
1984	9	6	58,993	-1,805	214,621	0	241,079	0
1984	10	1	61,015	-3,274	221,988	0	249,762	0
1984	10	2	58,237	-6,151	222,918	0	251,989	0
1984	10	3	73,850	-11,171	230,790	0	258,684	0
1984	10	4	82,840	-15,987	232,986	0	261,398	0
1984	10	5	86,805	-19,988	234,851	0	263,734	0
1984	10	6	85,779	-26,919	230,258	0	259,672	0
1984	11	1	82,556	-30,811	227,788	0	257,688	0
1984	11	2	77,377	-33,295	227,941	0	258,282	0
1984	11	3	70,244	-34,436	226,751	0	258,282	0
1984	11	4	67,441	-36,354	228,212	0	259,729	0
1984	11	5	67,492	-40,769	226,171	0	257,816	0
1984	11	6	58,825	-47,110	217,946	0	251,098	0
1984	12	1	49,049	-51,508	210,457	0	244,824	0
1984	12	2	36,931	-56,290	200,501	0	236,113	0
1984	12	3	46,107	0	215,559	0	252,408	0
1984	12	4	45,999	0	221,197	0	256,519	0
1984	12	5	36,737	-1,175	216,219	0	252,755	0
1984	12	6	27,978	-13,973	204,042	0	242,362	0
1984	1	1	23,957	-38,424	185,463	0	225,265	0
1984	1	2	17,750	-60,603	168,844	0	210,128	0
1984	1	3	14,039	-84,259	150,829	0	193,598	0
1984	1	4	9,486	-108,576	131,734	0	176,008	0
1984	1	5	4,672	-135,521	111,112	0	156,871	0
1984	1	6	4,475	-174,927	89,328	-5,264	131,599	0
1984	2	1	4,267	-209,181	75,581	-13,251	110,805	0
1984	2	2	12,419	0	91,822	0	128,289	0
1984	2	3	24,915	-1,927	104,735	-1,062	140,438	0
1984	2	4	20,453	-7,672	103,643	-2,772	138,562	0
1984	2	5	30,017	-14,075	113,084	-6,540	143,114	0
1984	2	6	28,304	-18,450	114,666	-9,782	140,723	0
1984	3	1	41,545	-20,532	121,143	-11,491	147,161	-1,542
1984	3	2	42,072	-21,569	128,535	-12,013	154,577	-1,964
1984	3	3	53,748	-23,081	136,371	-13,031	162,438	-2,885
1984	3	4	75,439	0	158,187	0	184,278	0
1984	3	5	92,257	0	175,129	0	201,245	0
1984	3	6	137,036	0	220,018	0	246,133	0

河口堰上流ダム群貯水量・不足量(1985年度)

単位：千³m

年度	月	半旬	切下げ無し		切下げ率17.9%		切下げ率21.4%	
			貯水量	不足量	貯水量	不足量	貯水量	不足量
1985	4	1	201, 277	0	284, 354	0	310, 469	0
1985	4	2	267, 857	0	350, 933	0	377, 049	0
1985	4	3	351, 845	0	434, 921	0	459, 542	0
1985	4	4	396, 655	0	475, 651	0	499, 087	0
1985	4	5	456, 789	0	535, 494	0	558, 931	0
1985	4	6	489, 414	0	571, 787	0	595, 940	0
1985	5	1	520, 276	0	606, 816	0	631, 785	0
1985	5	2	553, 755	0	643, 273	0	668, 824	0
1985	5	3	546, 808	0	647, 847	0	674, 387	0
1985	5	4	507, 773	0	623, 176	0	652, 525	0
1985	5	5	501, 047	0	628, 990	0	660, 791	0
1985	5	6	468, 616	0	611, 543	0	646, 274	0
1985	6	1	390, 186	0	548, 617	0	586, 552	0
1985	6	2	328, 823	0	486, 733	0	527, 918	0
1985	6	3	356, 770	0	506, 371	0	548, 644	0
1985	6	4	370, 399	0	506, 455	0	546, 292	0
1985	6	5	387, 629	0	506, 783	0	527, 292	0
1985	6	6	396, 374	0	474, 951	0	492, 821	0
1985	7	1	448, 071	0	518, 307	0	532, 701	0
1985	7	2	455, 002	0	521, 755	0	533, 181	0
1985	7	3	461, 182	0	525, 405	0	536, 831	0
1985	7	4	465, 358	0	527, 721	0	539, 147	0
1985	7	5	472, 006	0	530, 667	0	542, 093	0
1985	7	6	461, 393	0	527, 631	0	539, 449	0
1985	8	1	438, 078	0	516, 515	0	530, 656	0
1985	8	2	397, 850	0	487, 977	0	504, 353	0
1985	8	3	413, 774	0	497, 386	0	512, 293	0
1985	8	4	351, 856	0	452, 243	0	469, 569	0
1985	8	5	271, 491	0	392, 972	0	413, 918	0
1985	8	6	216, 535	0	355, 024	0	378, 967	0
1985	9	1	162, 989	0	312, 435	0	338, 550	0
1985	9	2	149, 873	0	309, 482	0	337, 382	0
1985	9	3	108, 095	0	279, 827	0	310, 097	0
1985	9	4	94, 737	0	275, 133	0	307, 096	0
1985	9	5	135, 483	0	315, 922	0	347, 822	0
1985	9	6	178, 682	0	353, 854	0	381, 768	0
1985	10	1	211, 050	0	381, 415	0	409, 393	0
1985	10	2	249, 814	0	420, 303	0	448, 305	0
1985	10	3	281, 644	0	452, 257	0	480, 284	0
1985	10	4	299, 701	0	469, 323	0	497, 376	0
1985	10	5	310, 838	0	479, 013	0	507, 201	0
1985	10	6	322, 938	0	490, 170	0	518, 505	0
1985	11	1	333, 193	0	500, 850	0	529, 310	0
1985	11	2	359, 577	0	524, 240	0	552, 223	0
1985	11	3	369, 595	0	533, 022	0	560, 545	0
1985	11	4	374, 805	0	538, 886	0	566, 386	0
1985	11	5	386, 162	0	551, 936	0	579, 449	0
1985	11	6	392, 154	0	557, 706	0	585, 278	0
1985	12	1	394, 893	0	564, 289	0	591, 850	0
1985	12	2	396, 137	0	571, 624	0	600, 377	0
1985	12	3	389, 838	0	571, 538	0	601, 490	0
1985	12	4	381, 738	0	569, 653	0	600, 821	0
1985	12	5	369, 470	0	563, 724	0	596, 127	0
1985	12	6	355, 644	0	557, 377	0	591, 242	0
1985	1	1	339, 712	0	547, 790	0	582, 896	0
1985	1	2	322, 121	0	536, 555	0	572, 904	0
1985	1	3	302, 689	0	523, 510	0	561, 108	0
1985	1	4	281, 781	0	508, 983	0	547, 829	0
1985	1	5	260, 854	0	494, 450	0	534, 545	0
1985	1	6	231, 684	0	472, 964	0	514, 562	0
1985	2	1	206, 347	0	454, 044	0	496, 897	0
1985	2	2	178, 898	0	433, 158	0	477, 269	0
1985	2	3	152, 274	0	412, 981	0	458, 352	0
1985	2	4	126, 604	0	394, 349	0	440, 980	0
1985	2	5	99, 959	0	375, 175	0	423, 061	0
1985	2	6	83, 437	0	362, 855	0	411, 494	0
1985	3	1	54, 623	0	340, 674	0	390, 584	0
1985	3	2	42, 680	-19, 612	322, 033	0	373, 195	0
1985	3	3	40, 758	-30, 235	318, 890	0	371, 255	0
1985	3	4	43, 000	-36, 581	320, 895	0	374, 454	0
1985	3	5	55, 407	0	336, 943	0	391, 098	0
1985	3	6	71, 027	0	359, 977	0	415, 581	0

河口堰上流ダム群貯水量・不足量(1986年度)

単位: 千³m

年度	月	半旬	切下げ無し		切下げ率17.9%		切下げ率21.4%	
			貯水量	不足量	貯水量	不足量	貯水量	不足量
1986	4	1	86,769	0	383,143	0	440,198	0
1986	4	2	102,226	0	406,044	0	464,555	0
1986	4	3	128,405	0	442,276	0	502,753	0
1986	4	4	168,361	0	486,809	0	544,253	0
1986	4	5	306,430	0	599,267	0	656,216	0
1986	4	6	389,659	0	664,141	0	701,077	0
1986	5	1	411,708	0	668,961	0	699,811	0
1986	5	2	452,605	0	675,029	0	703,176	0
1986	5	3	497,156	0	690,277	0	719,093	0
1986	5	4	527,094	0	705,833	0	734,649	0
1986	5	5	538,290	0	714,862	0	743,718	0
1986	5	6	541,623	0	716,810	0	746,463	0
1986	6	1	538,660	0	714,098	0	744,499	0
1986	6	2	518,377	0	705,536	0	736,855	0
1986	6	3	448,687	0	653,258	0	687,948	0
1986	6	4	451,071	0	642,593	0	673,398	0
1986	6	5	406,243	0	592,669	0	620,189	0
1986	6	6	353,696	0	537,941	0	546,257	0
1986	7	1	367,991	0	544,821	0	550,931	0
1986	7	2	366,997	0	546,850	0	552,106	0
1986	7	3	368,652	0	548,415	0	552,387	0
1986	7	4	368,237	0	550,172	0	552,642	0
1986	7	5	365,982	0	550,475	0	552,944	0
1986	7	6	354,479	0	549,825	0	552,904	0
1986	8	1	430,618	0	559,490	0	559,490	0
1986	8	2	451,701	0	559,490	0	559,490	0
1986	8	3	446,965	0	546,711	0	546,864	0
1986	8	4	446,247	0	543,358	0	543,787	0
1986	8	5	447,580	0	538,251	0	538,987	0
1986	8	6	437,782	0	533,812	0	534,737	0
1986	9	1	527,468	0	543,054	0	543,921	0
1986	9	2	533,774	0	544,779	0	545,799	0
1986	9	3	536,855	0	547,024	0	548,189	0
1986	9	4	538,129	0	548,315	0	549,730	0
1986	9	5	532,798	0	543,151	0	544,827	0
1986	9	6	530,460	0	540,783	0	542,560	0
1986	10	1	553,818	0	565,019	0	566,968	0
1986	10	2	572,783	0	584,615	0	586,686	0
1986	10	3	593,441	0	605,948	0	608,152	0
1986	10	4	611,054	0	623,697	0	625,928	0
1986	10	5	633,967	0	647,103	0	649,336	0
1986	10	6	649,239	0	663,314	0	665,694	0
1986	11	1	658,449	0	674,150	0	676,654	0
1986	11	2	666,083	0	684,641	0	687,273	0
1986	11	3	678,559	0	701,506	0	701,857	0
1986	11	4	682,555	0	709,879	0	710,256	0
1986	11	5	683,449	0	716,213	0	716,618	0
1986	11	6	682,266	0	721,232	0	721,702	0
1986	12	1	674,269	0	719,434	0	721,097	0
1986	12	2	665,668	0	717,069	0	719,952	0
1986	12	3	659,529	0	717,029	0	721,104	0
1986	12	4	672,321	0	734,101	0	735,867	0
1986	12	5	675,267	0	742,114	0	743,905	0
1986	12	6	670,266	0	744,550	0	747,775	0
1986	1	1	657,034	0	737,661	0	742,127	0
1986	1	2	644,389	0	731,248	0	736,932	0
1986	1	3	627,723	0	720,827	0	727,732	0
1986	1	4	610,482	0	709,839	0	717,966	0
1986	1	5	596,334	0	701,940	0	711,290	0
1986	1	6	574,727	0	687,855	0	698,676	0
1986	2	1	557,028	0	676,558	0	688,630	0
1986	2	2	539,670	0	665,487	0	678,789	0
1986	2	3	535,199	0	667,251	0	681,756	0
1986	2	4	519,400	0	657,720	0	673,450	0
1986	2	5	503,771	0	648,341	0	665,293	0
1986	2	6	493,149	0	641,478	0	659,165	0
1986	3	1	473,005	0	627,787	0	646,713	0
1986	3	2	453,046	0	614,185	0	634,353	0
1986	3	3	441,715	0	609,074	0	630,459	0
1986	3	4	438,907	0	612,448	0	635,027	0
1986	3	5	521,405	0	689,915	0	709,601	0
1986	3	6	559,497	0	724,699	0	743,476	0

河口堰上流ダム群貯水量・不足量(1987年度)

単位：千m³

年度	月	半月	切下げ無し		切下げ率17.9%		切下げ率21.4%	
			貯水量	不足量	貯水量	不足量	貯水量	不足量
1987	4	1	568,919	0	741,193	0	761,208	0
1987	4	2	613,976	0	783,760	0	791,453	0
1987	4	3	637,352	0	788,459	0	793,899	0
1987	4	4	629,814	0	785,194	0	791,094	0
1987	4	5	619,601	0	773,960	0	780,761	0
1987	4	6	561,976	0	732,297	0	742,219	0
1987	5	1	503,078	0	690,238	0	703,452	0
1987	5	2	418,656	0	620,994	0	637,176	0
1987	5	3	391,927	0	608,483	0	627,684	0
1987	5	4	367,882	0	593,613	0	615,152	0
1987	5	5	364,430	0	600,835	0	624,567	0
1987	5	6	300,750	0	553,246	0	580,514	0
1987	6	1	213,002	0	479,082	0	509,712	0
1987	6	2	126,943	0	408,390	0	441,510	0
1987	6	3	28,823	0	329,561	0	366,042	0
1987	6	4	0	-42,805	265,774	0	305,416	0
1987	6	5	5,000	-71,447	234,077	0	275,435	0
1987	6	6	0	-153,112	142,049	0	188,683	0
1987	7	1	6,231	0	144,885	0	194,181	0
1987	7	2	20,670	-5,389	142,553	0	193,273	0
1987	7	3	15,568	0	148,847	0	202,077	0
1987	7	4	43,476	0	171,787	0	223,956	0
1987	7	5	45,916	0	161,037	0	214,808	0
1987	7	6	42,900	0	148,875	0	204,252	0
1987	8	1	20,419	0	119,581	0	177,791	0
1987	8	2	3,574	-24,502	80,572	0	141,160	0
1987	8	3	24,764	0	102,726	0	163,899	0
1987	8	4	43,327	0	125,473	0	187,611	0
1987	8	5	47,755	-3,465	130,021	0	191,127	0
1987	8	6	53,575	-8,073	131,504	0	188,547	0
1987	9	1	64,444	-12,112	135,483	0	190,194	0
1987	9	2	115,995	0	174,501	0	229,068	0
1987	9	3	145,500	0	203,232	0	257,506	0
1987	9	4	143,167	0	202,562	0	257,162	0
1987	9	5	148,593	-6,205	202,844	0	257,781	0
1987	9	6	157,539	-7,790	211,099	0	266,211	0
1987	10	1	174,093	-9,825	226,497	0	281,781	0
1987	10	2	187,736	-11,985	239,163	0	294,570	0
1987	10	3	191,589	-14,395	242,337	0	298,213	0
1987	10	4	219,008	0	270,403	0	326,405	0
1987	10	5	230,007	0	282,279	0	338,415	0
1987	10	6	238,010	-1,772	290,428	0	347,055	0
1987	11	1	238,399	-3,967	290,871	0	348,068	0
1987	11	2	239,038	0	294,348	0	352,099	0
1987	11	3	237,436	-618	294,936	0	353,225	0
1987	11	4	236,516	-2,786	294,625	0	353,469	0
1987	11	5	233,963	-3,266	295,030	0	354,422	0
1987	11	6	227,950	-5,560	292,898	0	352,593	0
1987	12	1	217,029	-7,642	286,020	0	347,043	0
1987	12	2	206,747	-9,724	281,047	0	343,118	0
1987	12	3	202,799	-11,807	281,215	0	342,586	0
1987	12	4	195,114	-13,889	276,311	0	337,938	0
1987	12	5	183,039	-15,971	269,590	0	332,690	0
1987	12	6	170,447	-17,905	263,220	0	327,892	0
1987	1	1	152,070	-19,987	249,695	0	315,833	0
1987	1	2	140,834	-22,069	242,081	0	309,457	0
1987	1	3	123,579	-24,151	229,767	0	298,422	0
1987	1	4	104,118	-26,234	215,175	0	285,318	0
1987	1	5	94,597	-27,404	211,064	-358	282,066	0
1987	1	6	72,730	-29,903	197,912	-2,410	267,991	0
1987	2	1	55,607	-35,043	185,231	-4,119	254,584	0
1987	2	2	53,365	-55,196	173,933	-5,829	242,558	0
1987	2	3	49,150	-78,330	158,973	-7,538	226,875	0
1987	2	4	39,080	-99,022	143,404	-9,248	210,965	0
1987	2	5	34,187	-127,785	122,284	-10,957	189,112	0
1987	2	6	29,917	-153,812	102,292	-12,325	168,539	0
1987	3	1	26,382	-181,512	82,282	-14,034	147,811	0
1987	3	2	12,305	-210,655	69,497	-29,082	124,131	0
1987	3	3	7,071	-231,209	70,195	-43,776	112,573	0
1987	3	4	5,133	-250,131	72,757	-56,978	102,471	0
1987	3	5	18,168	0	91,059	0	121,993	0
1987	3	6	25,099	0	105,386	0	137,766	0

河口堰上流ダム群貯水量・不足量(1988年度)

単位：千³m

年度	月	半旬	切下げ無し		切下げ率17.9%		切下げ率21.4%	
			貯水量	不足量	貯水量	不足量	貯水量	不足量
1988	4	1	18,960	0	106,670	0	140,502	0
1988	4	2	35,869	0	131,023	0	166,311	0
1988	4	3	64,964	0	167,560	0	204,302	0
1988	4	4	122,757	0	235,643	0	274,398	0
1988	4	5	190,024	0	298,883	0	333,849	0
1988	4	6	180,403	0	303,393	0	340,515	0
1988	5	1	210,639	0	349,161	0	389,084	0
1988	5	2	240,075	0	386,575	0	424,606	0
1988	5	3	299,147	0	443,476	0	482,200	0
1988	5	4	347,691	0	491,120	0	527,595	0
1988	5	5	409,860	0	521,498	0	551,784	0
1988	5	6	441,574	0	534,780	0	566,009	0
1988	6	1	476,227	0	561,192	0	591,664	0
1988	6	2	481,549	0	568,689	0	599,806	0
1988	6	3	458,606	0	559,198	0	592,737	0
1988	6	4	437,654	0	528,495	0	560,535	0
1988	6	5	377,880	0	473,420	0	506,378	0
1988	6	6	348,942	0	444,110	0	473,434	0
1988	7	1	365,678	0	461,518	0	490,274	0
1988	7	2	367,155	0	466,986	0	493,264	0
1988	7	3	369,752	0	470,308	0	494,227	0
1988	7	4	378,219	0	479,582	0	500,777	0
1988	7	5	378,163	0	483,327	0	503,133	0
1988	7	6	390,552	0	496,592	0	512,361	0
1988	8	1	388,034	0	498,352	0	513,661	0
1988	8	2	392,656	0	502,524	0	516,804	0
1988	8	3	450,567	0	521,954	0	534,071	0
1988	8	4	472,891	0	531,096	0	543,122	0
1988	8	5	476,052	0	532,539	0	544,565	0
1988	8	6	485,185	0	536,033	0	548,059	0
1988	9	1	489,213	0	537,484	0	549,511	0
1988	9	2	499,899	0	541,528	0	550,290	0
1988	9	3	502,793	0	543,265	0	550,290	0
1988	9	4	503,852	0	544,323	0	550,290	0
1988	9	5	508,552	0	549,023	0	550,290	0
1988	9	6	513,939	0	550,290	0	550,290	0
1988	10	1	564,440	0	601,024	0	601,024	0
1988	10	2	613,125	0	649,710	0	649,710	0
1988	10	3	638,708	0	675,323	0	675,323	0
1988	10	4	656,930	0	693,682	0	693,708	0
1988	10	5	665,574	0	702,463	0	702,516	0
1988	10	6	678,458	0	715,505	0	715,590	0
1988	11	1	688,692	0	725,887	0	726,001	0
1988	11	2	696,624	0	733,982	0	734,127	0
1988	11	3	703,916	0	741,452	0	741,632	0
1988	11	4	710,889	0	748,595	0	748,809	0
1988	11	5	717,023	0	755,410	0	755,660	0
1988	11	6	721,131	0	760,082	0	760,370	0
1988	12	1	721,468	0	762,457	0	762,783	0
1988	12	2	721,460	0	762,413	0	762,778	0
1988	12	3	718,522	0	759,679	0	760,084	0
1988	12	4	710,819	0	756,920	0	757,367	0
1988	12	5	702,058	0	754,282	0	754,829	0
1988	12	6	689,057	0	748,825	0	750,845	0
1988	1	1	675,475	0	741,527	0	744,775	0
1988	1	2	665,573	0	737,904	0	742,380	0
1988	1	3	660,057	0	738,669	0	744,373	0
1988	1	4	651,641	0	736,547	0	743,481	0
1988	1	5	663,858	0	747,546	0	750,105	0
1988	1	6	657,928	0	748,496	0	749,565	0
1988	2	1	647,642	0	744,734	0	747,079	0
1988	2	2	637,874	0	741,206	0	744,762	0
1988	2	3	630,798	0	739,949	0	741,436	0
1988	2	4	649,724	0	744,333	0	745,849	0
1988	2	5	657,772	0	744,424	0	745,968	0
1988	2	6	667,889	0	746,728	0	748,287	0
1988	3	1	694,900	0	763,062	0	764,645	0
1988	3	2	704,433	0	771,787	0	772,428	0
1988	3	3	717,466	0	781,937	0	782,323	0
1988	3	4	725,920	0	788,513	0	788,903	0
1988	3	5	730,759	0	792,249	0	792,646	0
1988	3	6	734,989	0	794,689	0	795,087	0

河口堰上流ダム群貯水量・不足量(1989年度)

 単位: 千 m^3

年度	月	半旬	切下げ無し		切下げ率17.9%		切下げ率21.4%	
			貯水量	不足量	貯水量	不足量	貯水量	不足量
1989	4	1	745,029	0	800,697	0	801,245	0
1989	4	2	769,749	0	812,854	0	813,401	0
1989	4	3	776,744	0	817,311	0	817,710	0
1989	4	4	779,232	0	818,438	0	818,837	0
1989	4	5	779,615	0	820,974	0	821,373	0
1989	4	6	774,310	0	819,337	0	820,453	0
1989	5	1	764,387	0	813,456	0	815,363	0
1989	5	2	762,089	0	814,011	0	816,476	0
1989	5	3	772,820	0	828,162	0	830,922	0
1989	5	4	769,692	0	828,119	0	831,482	0
1989	5	5	761,791	0	823,812	0	827,842	0
1989	5	6	769,246	0	831,826	0	835,856	0
1989	6	1	766,567	0	832,277	0	836,394	0
1989	6	2	756,709	0	823,750	0	824,352	0
1989	6	3	724,287	0	797,809	0	800,208	0
1989	6	4	690,435	0	724,883	0	725,308	0
1989	6	5	632,688	0	642,537	0	642,537	0
1989	6	6	559,490	0	559,490	0	559,490	0
1989	7	1	559,490	0	559,490	0	559,490	0
1989	7	2	557,226	0	559,490	0	559,490	0
1989	7	3	558,557	0	559,490	0	559,490	0
1989	7	4	559,490	0	559,490	0	559,490	0
1989	7	5	557,283	0	559,421	0	559,421	0
1989	7	6	559,490	0	559,490	0	559,490	0
1989	8	1	559,490	0	559,490	0	559,490	0
1989	8	2	559,490	0	559,490	0	559,490	0
1989	8	3	550,290	0	550,290	0	550,290	0
1989	8	4	550,290	0	550,290	0	550,290	0
1989	8	5	549,776	0	550,152	0	550,152	0
1989	8	6	550,290	0	550,290	0	550,290	0
1989	9	1	550,290	0	550,290	0	550,290	0
1989	9	2	550,290	0	550,290	0	550,290	0
1989	9	3	550,290	0	550,290	0	550,290	0
1989	9	4	550,290	0	550,290	0	550,290	0
1989	9	5	550,290	0	550,290	0	550,290	0
1989	9	6	550,290	0	550,290	0	550,290	0
1989	10	1	578,189	0	578,516	0	578,581	0
1989	10	2	612,795	0	613,123	0	613,187	0
1989	10	3	642,754	0	643,082	0	643,146	0
1989	10	4	684,921	0	685,249	0	685,313	0
1989	10	5	706,096	0	706,561	0	706,652	0
1989	10	6	720,598	0	721,212	0	721,332	0
1989	11	1	730,400	0	731,118	0	731,118	0
1989	11	2	736,842	0	736,842	0	736,842	0
1989	11	3	742,683	0	742,683	0	742,683	0
1989	11	4	748,117	0	748,117	0	748,117	0
1989	11	5	753,159	0	753,159	0	753,159	0
1989	11	6	757,815	0	757,815	0	757,815	0
1989	12	1	762,131	0	762,900	0	762,900	0
1989	12	2	764,291	0	766,796	0	766,800	0
1989	12	3	764,624	0	771,194	0	771,202	0
1989	12	4	766,235	0	772,051	0	772,066	0
1989	12	5	762,365	0	771,911	0	771,932	0
1989	12	6	756,605	0	772,329	0	772,359	0
1989	1	1	745,606	0	767,562	0	768,804	0
1989	1	2	736,984	0	765,176	0	767,638	0
1989	1	3	725,631	0	760,071	0	763,755	0
1989	1	4	716,347	0	756,991	0	761,870	0
1989	1	5	704,562	0	751,453	0	757,554	0
1989	1	6	686,775	0	741,184	0	748,755	0
1989	2	1	674,528	0	735,199	0	743,994	0
1989	2	2	661,322	0	728,258	0	738,278	0
1989	2	3	653,797	0	726,857	0	738,074	0
1989	2	4	660,061	0	739,218	0	751,628	0
1989	2	5	706,384	0	767,058	0	778,751	0
1989	2	6	722,730	0	777,376	0	789,084	0
1989	3	1	746,023	0	793,729	0	799,387	0
1989	3	2	762,606	0	804,011	0	804,536	0
1989	3	3	772,940	0	810,549	0	810,549	0
1989	3	4	778,082	0	813,946	0	813,946	0
1989	3	5	786,744	0	816,361	0	816,361	0
1989	3	6	795,204	0	819,562	0	819,563	0

河口堰上流ダム群貯水量・不足量(1990年度)

単位: 千³m

年度	月	半旬	切下げ無し		切下げ率17.9%		切下げ率21.4%	
			貯水量	不足量	貯水量	不足量	貯水量	不足量
1990	4	1	810,370	0	826,001	0	826,001	0
1990	4	2	816,000	0	830,940	0	830,940	0
1990	4	3	819,171	0	833,432	0	833,432	0
1990	4	4	821,729	0	833,216	0	833,216	0
1990	4	5	829,740	0	837,549	0	837,549	0
1990	4	6	831,511	0	838,081	0	838,081	0
1990	5	1	828,090	0	837,868	0	838,659	0
1990	5	2	831,170	0	839,178	0	839,178	0
1990	5	3	830,228	0	838,832	0	838,832	0
1990	5	4	827,550	0	838,271	0	838,286	0
1990	5	5	814,197	0	835,027	0	835,734	0
1990	5	6	750,833	0	790,403	0	794,658	0
1990	6	1	696,267	0	752,458	0	759,964	0
1990	6	2	637,493	0	710,221	0	720,960	0
1990	6	3	587,332	0	673,265	0	686,851	0
1990	6	4	501,113	0	604,418	0	615,659	0
1990	6	5	383,592	0	510,163	0	525,652	0
1990	6	6	319,142	0	452,647	0	469,244	0
1990	7	1	314,299	0	461,980	0	481,348	0
1990	7	2	312,627	0	472,394	0	492,140	0
1990	7	3	308,951	0	472,375	0	490,385	0
1990	7	4	268,619	0	447,321	0	468,264	0
1990	7	5	200,765	0	397,860	0	422,399	0
1990	7	6	118,049	0	339,759	0	368,400	0
1990	8	1	39	-5,530	236,311	0	270,131	0
1990	8	2	33,506	0	282,551	0	318,869	0
1990	8	3	101,323	0	351,595	0	385,734	0
1990	8	4	100,632	0	353,028	0	386,424	0
1990	8	5	45,282	-1,808	309,701	0	345,691	0
1990	8	6	30,835	-41,465	267,576	0	306,729	0
1990	9	1	28,407	-90,890	216,305	0	257,951	0
1990	9	2	29,954	-104,558	209,350	0	252,475	0
1990	9	3	44,451	-107,686	223,967	0	267,980	0
1990	9	4	158,230	0	330,240	0	368,981	0
1990	9	5	184,677	0	348,835	0	382,646	0
1990	9	6	229,643	0	381,473	0	415,284	0
1990	10	1	291,424	0	440,489	0	471,409	0
1990	10	2	369,008	0	512,946	0	543,866	0
1990	10	3	400,392	0	542,771	0	573,691	0
1990	10	4	418,860	0	561,376	0	592,323	0
1990	10	5	429,812	0	572,464	0	603,438	0
1990	10	6	467,738	0	610,540	0	641,543	0
1990	11	1	499,680	0	642,534	0	673,537	0
1990	11	2	525,833	0	666,243	0	697,271	0
1990	11	3	542,067	0	682,601	0	713,653	0
1990	11	4	555,118	0	695,777	0	726,853	0
1990	11	5	567,732	0	708,516	0	739,616	0
1990	11	6	630,061	0	770,845	0	799,157	0
1990	12	1	669,033	0	793,363	0	811,593	0
1990	12	2	679,840	0	797,549	0	814,885	0
1990	12	3	690,507	0	802,487	0	817,943	0
1990	12	4	698,485	0	805,796	0	818,971	0
1990	12	5	704,838	0	809,053	0	819,891	0
1990	12	6	710,415	0	812,267	0	820,964	0
1990	1	1	715,094	0	814,475	0	821,504	0
1990	1	2	717,458	0	815,460	0	821,988	0
1990	1	3	720,280	0	815,590	0	822,117	0
1990	1	4	720,419	0	815,577	0	822,108	0
1990	1	5	726,147	0	815,499	0	822,031	0
1990	1	6	722,274	0	815,011	0	821,551	0
1990	2	1	716,805	0	813,847	0	820,850	0
1990	2	2	708,736	0	810,598	0	818,801	0
1990	2	3	702,348	0	806,914	0	816,315	0
1990	2	4	724,229	0	815,416	0	821,988	0
1990	2	5	724,682	0	815,383	0	821,956	0
1990	2	6	723,210	0	815,036	0	821,610	0
1990	3	1	719,776	0	815,408	0	821,986	0
1990	3	2	728,757	0	817,416	0	823,998	0
1990	3	3	741,682	0	818,842	0	825,424	0
1990	3	4	749,938	0	819,707	0	826,290	0
1990	3	5	772,814	0	823,094	0	829,677	0
1990	3	6	783,108	0	829,387	0	835,915	0

河口堰上流ダム群貯水量・不足量(1991年度)

単位：千³m

年度	月	半月	切下げ無し		切下げ率17.9%		切下げ率21.4%	
			貯水量	不足量	貯水量	不足量	貯水量	不足量
1991	4	1	788,828	0	832,182	0	838,710	0
1991	4	2	805,283	0	842,559	0	844,730	0
1991	4	3	818,057	0	844,730	0	844,730	0
1991	4	4	826,952	0	844,730	0	844,730	0
1991	4	5	824,952	0	842,890	0	843,551	0
1991	4	6	818,196	0	839,754	0	841,131	0
1991	5	1	805,724	0	831,839	0	834,097	0
1991	5	2	786,638	0	823,851	0	826,959	0
1991	5	3	773,743	0	812,141	0	816,312	0
1991	5	4	762,287	0	802,869	0	807,955	0
1991	5	5	731,554	0	787,010	0	793,281	0
1991	5	6	682,695	0	757,227	0	767,228	0
1991	6	1	668,089	0	750,567	0	761,114	0
1991	6	2	611,091	0	710,064	0	723,836	0
1991	6	3	566,802	0	682,578	0	699,636	0
1991	6	4	512,988	0	644,593	0	658,673	0
1991	6	5	505,907	0	591,313	0	603,158	0
1991	6	6	440,923	0	521,091	0	533,879	0
1991	7	1	440,193	0	524,167	0	537,417	0
1991	7	2	425,198	0	514,530	0	528,796	0
1991	7	3	418,463	0	509,890	0	524,527	0
1991	7	4	414,096	0	508,923	0	524,224	0
1991	7	5	398,021	0	498,655	0	515,092	0
1991	7	6	352,807	0	471,734	0	492,024	0
1991	8	1	370,859	0	480,362	0	500,547	0
1991	8	2	392,563	0	497,099	0	515,699	0
1991	8	3	401,432	0	506,676	0	521,592	0
1991	8	4	423,507	0	534,216	0	539,174	0
1991	8	5	461,868	0	548,276	0	549,343	0
1991	8	6	494,623	0	550,290	0	550,290	0
1991	9	1	505,623	0	550,290	0	550,290	0
1991	9	2	508,890	0	550,290	0	550,290	0
1991	9	3	515,073	0	550,290	0	550,290	0
1991	9	4	545,017	0	550,290	0	550,290	0
1991	9	5	545,743	0	550,290	0	550,290	0
1991	9	6	546,136	0	550,290	0	550,290	0
1991	10	1	625,006	0	629,160	0	629,160	0
1991	10	2	681,530	0	685,684	0	685,684	0
1991	10	3	762,503	0	766,658	0	766,658	0
1991	10	4	777,730	0	781,885	0	781,885	0
1991	10	5	790,474	0	794,628	0	794,628	0
1991	10	6	805,207	0	809,361	0	809,361	0
1991	11	1	814,879	0	819,033	0	819,033	0
1991	11	2	817,102	0	821,257	0	821,257	0
1991	11	3	816,791	0	820,946	0	820,946	0
1991	11	4	816,640	0	820,795	0	820,795	0
1991	11	5	816,575	0	820,730	0	820,730	0
1991	11	6	816,597	0	820,751	0	820,751	0
1991	12	1	816,921	0	821,075	0	821,075	0
1991	12	2	816,588	0	820,743	0	820,743	0
1991	12	3	815,724	0	819,879	0	819,879	0
1991	12	4	816,787	0	820,961	0	820,965	0
1991	12	5	818,165	0	822,371	0	822,381	0
1991	12	6	822,753	0	826,977	0	826,991	0
1991	1	1	819,906	0	829,133	0	829,156	0
1991	1	2	822,852	0	829,461	0	829,492	0
1991	1	3	821,271	0	829,497	0	829,540	0
1991	1	4	816,636	0	829,131	0	829,187	0
1991	1	5	809,236	0	827,743	0	827,824	0
1991	1	6	798,847	0	824,753	0	825,558	0
1991	2	1	798,018	0	825,593	0	825,729	0
1991	2	2	791,110	0	822,988	0	823,164	0
1991	2	3	780,288	0	816,939	0	818,348	0
1991	2	4	766,306	0	807,964	0	810,607	0
1991	2	5	749,286	0	797,192	0	801,056	0
1991	2	6	737,739	0	790,657	0	795,499	0
1991	3	1	747,979	0	807,112	0	813,170	0
1991	3	2	744,856	0	810,176	0	817,439	0
1991	3	3	746,290	0	817,833	0	823,910	0
1991	3	4	763,289	0	825,124	0	825,462	0
1991	3	5	787,214	0	827,526	0	827,864	0
1991	3	6	815,205	0	830,196	0	830,534	0

河口堰上流ダム群貯水量・不足量(1992年度)

単位:千³m

年度	月	半旬	切下げ無し		切下げ率17.9%		切下げ率21.4%	
			貯水量	不足量	貯水量	不足量	貯水量	不足量
1992	4	1	828, 213	0	832, 118	0	832, 456	0
1992	4	2	833, 235	0	834, 965	0	835, 303	0
1992	4	3	834, 944	0	836, 675	0	837, 013	0
1992	4	4	835, 636	0	837, 366	0	837, 704	0
1992	4	5	831, 838	0	836, 947	0	837, 946	0
1992	4	6	824, 105	0	833, 041	0	834, 770	0
1992	5	1	831, 225	0	838, 783	0	839, 566	0
1992	5	2	832, 940	0	839, 215	0	839, 998	0
1992	5	3	826, 983	0	837, 004	0	838, 520	0
1992	5	4	825, 510	0	838, 348	0	839, 407	0
1992	5	5	826, 179	0	839, 022	0	840, 081	0
1992	5	6	834, 735	0	842, 850	0	843, 608	0
1992	6	1	838, 614	0	844, 205	0	844, 730	0
1992	6	2	826, 680	0	826, 680	0	826, 680	0
1992	6	3	808, 630	0	808, 630	0	808, 630	0
1992	6	4	725, 583	0	725, 583	0	725, 583	0
1992	6	5	642, 537	0	642, 537	0	642, 537	0
1992	6	6	559, 490	0	559, 490	0	559, 490	0
1992	7	1	559, 490	0	559, 490	0	559, 490	0
1992	7	2	557, 399	0	558, 934	0	559, 210	0
1992	7	3	559, 490	0	559, 490	0	559, 490	0
1992	7	4	559, 490	0	559, 490	0	559, 490	0
1992	7	5	557, 944	0	558, 798	0	558, 965	0
1992	7	6	550, 043	0	556, 315	0	556, 653	0
1992	8	1	551, 125	0	556, 980	0	557, 482	0
1992	8	2	543, 237	0	555, 642	0	556, 288	0
1992	8	3	545, 423	0	549, 432	0	549, 949	0
1992	8	4	522, 506	0	538, 990	0	541, 947	0
1992	8	5	490, 555	0	519, 457	0	524, 827	0
1992	8	6	487, 895	0	527, 265	0	530, 185	0
1992	9	1	469, 402	0	515, 119	0	519, 838	0
1992	9	2	447, 491	0	502, 089	0	508, 545	0
1992	9	3	401, 733	0	467, 898	0	476, 138	0
1992	9	4	377, 580	0	456, 242	0	466, 925	0
1992	9	5	351, 690	0	442, 898	0	456, 034	0
1992	9	6	361, 324	0	453, 340	0	464, 608	0
1992	10	1	372, 474	0	463, 778	0	474, 627	0
1992	10	2	415, 134	0	503, 358	0	514, 207	0
1992	10	3	440, 151	0	527, 895	0	538, 744	0
1992	10	4	470, 694	0	558, 666	0	569, 515	0
1992	10	5	512, 083	0	595, 310	0	604, 993	0
1992	10	6	533, 301	0	612, 681	0	622, 149	0
1992	11	1	546, 961	0	624, 465	0	633, 958	0
1992	11	2	557, 325	0	633, 954	0	643, 574	0
1992	11	3	563, 947	0	641, 940	0	651, 681	0
1992	11	4	568, 364	0	648, 011	0	658, 193	0
1992	11	5	577, 371	0	658, 663	0	668, 971	0
1992	11	6	579, 989	0	663, 480	0	674, 228	0
1992	12	1	587, 419	0	672, 987	0	684, 142	0
1992	12	2	607, 576	0	690, 500	0	697, 611	0
1992	12	3	622, 199	0	699, 161	0	705, 737	0
1992	12	4	625, 051	0	701, 589	0	708, 202	0
1992	12	5	625, 668	0	703, 440	0	710, 090	0
1992	12	6	627, 980	0	705, 776	0	712, 469	0
1992	1	1	617, 936	0	701, 817	0	709, 700	0
1992	1	2	624, 775	0	709, 504	0	716, 843	0
1992	1	3	622, 563	0	710, 594	0	718, 034	0
1992	1	4	628, 862	0	711, 412	0	718, 890	0
1992	1	5	626, 192	0	712, 434	0	720, 108	0
1992	1	6	640, 500	0	717, 246	0	723, 285	0
1992	2	1	640, 586	0	718, 241	0	724, 150	0
1992	2	2	645, 619	0	722, 759	0	728, 483	0
1992	2	3	643, 792	0	724, 618	0	730, 404	0
1992	2	4	658, 622	0	730, 479	0	735, 220	0
1992	2	5	671, 430	0	736, 173	0	740, 119	0
1992	2	6	674, 178	0	737, 604	0	741, 215	0
1992	3	1	675, 060	0	738, 501	0	741, 701	0
1992	3	2	681, 280	0	744, 113	0	747, 142	0
1992	3	3	684, 391	0	747, 170	0	750, 212	0
1992	3	4	686, 892	0	747, 479	0	750, 534	0
1992	3	5	681, 142	0	749, 561	0	752, 630	0
1992	3	6	698, 742	0	755, 957	0	759, 045	0

河口堰上流ダム群貯水量・不足量(1993年度)

年度	月	半月	単位: 千 ³ m					
			切下げ無し		切下げ率17.9%		切下げ率21.4%	
			貯水量	不足量	貯水量	不足量	貯水量	不足量
1993	4	1	719,504	0	763,290	0	766,559	0
1993	4	2	722,869	0	766,599	0	770,055	0
1993	4	3	714,432	0	766,151	0	769,554	0
1993	4	4	710,509	0	762,554	0	766,091	0
1993	4	5	708,880	0	756,081	0	760,353	0
1993	4	6	695,561	0	746,631	0	751,719	0
1993	5	1	684,420	0	737,400	0	743,383	0
1993	5	2	676,797	0	731,257	0	737,439	0
1993	5	3	677,285	0	731,057	0	737,984	0
1993	5	4	674,304	0	727,310	0	734,932	0
1993	5	5	661,508	0	716,354	0	725,022	0
1993	5	6	616,247	0	689,030	0	700,290	0
1993	6	1	624,722	0	701,571	0	711,239	0
1993	6	2	623,623	0	699,912	0	710,424	0
1993	6	3	608,745	0	693,311	0	704,903	0
1993	6	4	560,734	0	632,445	0	643,875	0
1993	6	5	508,894	0	575,485	0	586,915	0
1993	6	6	441,636	0	511,640	0	521,464	0
1993	7	1	454,419	0	523,857	0	528,376	0
1993	7	2	464,294	0	527,205	0	531,653	0
1993	7	3	475,120	0	528,842	0	531,834	0
1993	7	4	486,049	0	531,797	0	532,953	0
1993	7	5	492,735	0	535,700	0	535,700	0
1993	7	6	501,185	0	539,386	0	539,386	0
1993	8	1	501,587	0	539,598	0	539,598	0
1993	8	2	502,178	0	540,125	0	540,125	0
1993	8	3	506,793	0	538,567	0	538,567	0
1993	8	4	507,847	0	539,345	0	539,345	0
1993	8	5	507,735	0	539,232	0	539,232	0
1993	8	6	529,668	0	544,690	0	544,690	0
1993	9	1	540,338	0	548,833	0	548,833	0
1993	9	2	544,759	0	550,290	0	550,290	0
1993	9	3	550,060	0	550,290	0	550,290	0
1993	9	4	549,982	0	550,212	0	550,212	0
1993	9	5	550,290	0	550,290	0	550,290	0
1993	9	6	550,290	0	550,290	0	550,290	0
1993	10	1	573,795	0	574,123	0	574,187	0
1993	10	2	614,822	0	615,150	0	615,214	0
1993	10	3	633,169	0	633,497	0	633,561	0
1993	10	4	646,462	0	647,436	0	647,627	0
1993	10	5	663,304	0	663,905	0	664,023	0
1993	10	6	679,903	0	680,654	0	680,801	0
1993	11	1	691,780	0	692,694	0	692,865	0
1993	11	2	700,479	0	701,479	0	701,674	0
1993	11	3	740,892	0	742,017	0	742,237	0
1993	11	4	762,021	0	763,270	0	763,514	0
1993	11	5	776,731	0	778,104	0	778,373	0
1993	11	6	787,932	0	789,433	0	789,726	0
1993	12	1	794,728	0	796,701	0	797,087	0
1993	12	2	801,609	0	804,056	0	804,535	0
1993	12	3	807,485	0	809,707	0	810,092	0
1993	12	4	805,977	0	808,326	0	808,453	0
1993	12	5	804,210	0	806,447	0	806,465	0
1993	12	6	802,261	0	804,316	0	804,335	0
1993	1	1	795,163	0	801,927	0	801,959	0
1993	1	2	787,698	0	799,145	0	799,191	0
1993	1	3	784,294	0	796,147	0	796,210	0
1993	1	4	778,341	0	793,273	0	793,353	0
1993	1	5	768,038	0	789,281	0	789,785	0
1993	1	6	755,876	0	784,716	0	785,156	0
1993	2	1	741,098	0	777,264	0	778,953	0
1993	2	2	730,578	0	773,143	0	776,069	0
1993	2	3	719,848	0	768,800	0	772,388	0
1993	2	4	706,913	0	762,234	0	767,067	0
1993	2	5	725,331	0	771,914	0	772,457	0
1993	2	6	721,456	0	770,693	0	771,123	0
1993	3	1	712,626	0	767,773	0	768,194	0
1993	3	2	717,599	0	767,334	0	767,583	0
1993	3	3	726,580	0	768,076	0	768,337	0
1993	3	4	725,232	0	767,777	0	768,050	0
1993	3	5	742,461	0	773,061	0	773,335	0
1993	3	6	751,264	0	775,377	0	775,665	0

河口堰上流ダム群貯水量・不足量(1994年度)

単位：千m³

年度	月	半月	切下げ無し		切下げ率17.9%		切下げ率21.4%	
			貯水量	不足量	貯水量	不足量	貯水量	不足量
1994	4	1	774,736	0	791,958	0	792,276	0
1994	4	2	796,721	0	813,489	0	813,839	0
1994	4	3	801,482	0	818,015	0	818,409	0
1994	4	4	800,082	0	816,584	0	817,025	0
1994	4	5	789,014	0	809,020	0	810,190	0
1994	4	6	768,965	0	797,610	0	799,593	0
1994	5	1	753,288	0	783,692	0	786,829	0
1994	5	2	739,874	0	777,592	0	781,384	0
1994	5	3	727,748	0	766,175	0	771,014	0
1994	5	4	723,320	0	764,872	0	770,372	0
1994	5	5	674,478	0	731,315	0	739,803	0
1994	5	6	709,790	0	758,674	0	766,481	0
1994	6	1	688,458	0	749,058	0	757,803	0
1994	6	2	657,341	0	733,501	0	744,723	0
1994	6	3	650,252	0	736,205	0	747,270	0
1994	6	4	616,540	0	676,220	0	686,749	0
1994	6	5	547,278	0	608,032	0	619,448	0
1994	6	6	467,275	0	533,146	0	544,570	0
1994	7	1	402,804	0	485,599	0	500,023	0
1994	7	2	353,029	0	449,723	0	467,173	0
1994	7	3	272,335	0	390,708	0	412,031	0
1994	7	4	257,881	0	387,631	0	410,483	0
1994	7	5	198,356	0	331,427	0	358,527	0
1994	7	6	134,048	0	269,352	0	300,822	0
1994	8	1	103,597	0	252,968	0	287,659	0
1994	8	2	44,672	0	198,681	0	237,155	0
1994	8	3	0	-51,271	110,710	0	153,791	0
1994	8	4	0	-133,418	16,625	0	63,757	0
1994	8	5	37,473	-133,548	59,065	0	107,031	0
1994	8	6	31,196	-138,156	59,624	0	109,876	0
1994	9	1	-25,411	-149,979	52,423	0	103,302	0
1994	9	2	40,588	0	64,947	0	116,352	0
1994	9	3	64,158	0	89,711	0	139,154	0
1994	9	4	137,700	0	157,576	0	202,860	0
1994	9	5	160,423	0	179,822	0	224,752	0
1994	9	6	244,799	0	264,122	0	307,885	0
1994	10	1	385,798	0	405,121	0	446,459	0
1994	10	2	412,784	0	431,006	0	471,650	0
1994	10	3	426,670	0	444,992	0	485,636	0
1994	10	4	434,385	0	453,354	0	494,124	0
1994	10	5	446,477	0	466,133	0	507,038	0
1994	10	6	452,373	0	472,781	0	513,833	0
1994	11	1	456,011	0	477,120	0	518,308	0
1994	11	2	458,430	0	480,256	0	521,585	0
1994	11	3	457,882	0	482,083	0	523,872	0
1994	11	4	456,314	0	483,015	0	525,281	0
1994	11	5	453,259	0	482,292	0	525,030	0
1994	11	6	447,976	0	479,785	0	523,066	0
1994	12	1	445,129	0	481,126	0	524,903	0
1994	12	2	446,736	0	488,896	0	533,051	0
1994	12	3	451,017	0	497,601	0	541,954	0
1994	12	4	447,613	0	500,409	0	545,518	0
1994	12	5	440,895	0	500,139	0	546,510	0
1994	12	6	441,191	0	507,024	0	551,460	0
1994	1	1	429,428	0	501,675	0	547,364	0
1994	1	2	418,200	0	496,872	0	543,818	0
1994	1	3	405,482	0	490,593	0	538,798	0
1994	1	4	387,943	0	479,618	0	529,107	0
1994	1	5	377,795	0	475,900	0	526,645	0
1994	1	6	356,795	0	462,723	0	514,982	0
1994	2	1	336,512	0	449,268	0	502,816	0
1994	2	2	315,383	0	434,735	0	489,574	0
1994	2	3	295,062	0	421,000	0	477,126	0
1994	2	4	275,181	0	408,013	0	465,430	0
1994	2	5	251,490	0	391,855	0	450,560	0
1994	2	6	237,229	0	382,305	0	441,931	0
1994	3	1	218,891	0	371,757	0	432,682	0
1994	3	2	202,034	0	361,458	0	423,665	0
1994	3	3	201,231	0	366,655	0	430,080	0
1994	3	4	231,948	0	401,124	0	464,591	0
1994	3	5	249,154	0	424,217	0	488,904	0
1994	3	6	300,475	0	474,684	0	538,369	0

河口堰上流ダム群貯水量・不足量(1995年度)

単位：千³m

年度	月	半旬	切下げ無し		切下げ率17.9%		切下げ率21.4%	
			貯水量	不足量	貯水量	不足量	貯水量	不足量
1995	4	1	344,374	0	509,319	0	567,550	0
1995	4	2	391,566	0	552,331	0	605,499	0
1995	4	3	425,613	0	582,136	0	630,840	0
1995	4	4	470,932	0	621,841	0	665,148	0
1995	4	5	516,742	0	660,840	0	703,223	0
1995	4	6	557,190	0	691,171	0	722,405	0
1995	5	1	591,702	0	707,668	0	732,403	0
1995	5	2	610,226	0	711,212	0	733,219	0
1995	5	3	653,908	0	728,310	0	750,342	0
1995	5	4	675,239	0	741,265	0	763,250	0
1995	5	5	681,175	0	742,725	0	764,750	0
1995	5	6	687,059	0	743,344	0	765,423	0
1995	6	1	691,612	0	743,538	0	765,671	0
1995	6	2	690,986	0	737,970	0	751,634	0
1995	6	3	699,807	0	734,698	0	748,420	0
1995	6	4	641,253	0	676,533	0	690,330	0
1995	6	5	573,294	0	609,029	0	622,915	0
1995	6	6	504,606	0	541,025	0	555,046	0
1995	7	1	508,611	0	545,703	0	557,946	0
1995	7	2	525,869	0	555,697	0	558,317	0
1995	7	3	530,910	0	556,108	0	558,727	0
1995	7	4	532,107	0	556,453	0	559,073	0
1995	7	5	532,103	0	556,700	0	559,319	0
1995	7	6	530,516	0	555,989	0	558,780	0
1995	8	1	505,050	0	546,079	0	551,218	0
1995	8	2	498,255	0	543,956	0	548,437	0
1995	8	3	460,887	0	514,641	0	519,635	0
1995	8	4	425,406	0	492,733	0	500,263	0
1995	8	5	431,580	0	504,376	0	511,454	0
1995	8	6	400,647	0	485,481	0	494,913	0
1995	9	1	392,819	0	486,824	0	498,049	0
1995	9	2	358,773	0	463,727	0	476,712	0
1995	9	3	336,456	0	450,701	0	465,420	0
1995	9	4	411,810	0	517,200	0	526,227	0
1995	9	5	416,839	0	520,529	0	529,894	0
1995	9	6	420,370	0	519,714	0	527,957	0
1995	10	1	437,348	0	537,570	0	545,985	0
1995	10	2	453,206	0	554,059	0	562,598	0
1995	10	3	453,872	0	557,121	0	566,049	0
1995	10	4	452,386	0	557,967	0	567,351	0
1995	10	5	450,614	0	559,899	0	569,417	0
1995	10	6	445,124	0	559,935	0	569,984	0
1995	11	1	435,767	0	556,920	0	568,189	0
1995	11	2	434,126	0	561,480	0	573,641	0
1995	11	3	429,853	0	563,423	0	576,799	0
1995	11	4	425,430	0	565,251	0	579,850	0
1995	11	5	421,982	0	568,043	0	583,861	0
1995	11	6	409,221	0	561,595	0	578,639	0
1995	12	1	391,440	0	550,270	0	568,561	0
1995	12	2	375,309	0	540,631	0	560,169	0
1995	12	3	356,854	0	528,725	0	549,510	0
1995	12	4	334,857	0	513,775	0	535,849	0
1995	12	5	315,080	0	500,476	0	523,817	0
1995	12	6	292,840	0	486,013	0	510,875	0
1995	1	1	268,519	0	468,617	0	494,771	0
1995	1	2	250,452	0	457,042	0	484,465	0
1995	1	3	228,403	0	442,617	0	471,335	0
1995	1	4	216,100	0	436,609	0	466,558	0
1995	1	5	192,469	0	420,568	0	451,813	0
1995	1	6	162,112	0	399,534	0	432,338	0
1995	2	1	137,347	-5,732	381,041	0	415,259	0
1995	2	2	131,954	-26,792	363,750	0	399,272	0
1995	2	3	124,977	-47,882	345,289	0	382,092	0
1995	2	4	125,711	-65,093	330,335	0	368,415	0
1995	2	5	120,840	-89,414	308,392	0	348,020	0
1995	2	6	121,437	-106,370	294,133	0	334,992	0
1995	3	1	116,184	-129,901	272,551	0	314,709	0
1995	3	2	110,718	-150,459	253,376	0	296,840	0
1995	3	3	96,538	-172,470	233,417	0	277,880	0
1995	3	4	101,532	0	244,820	0	289,751	0
1995	3	5	109,550	0	262,069	0	308,813	0
1995	3	6	125,216	0	288,649	0	337,527	0

河口堰上流ダム群貯水量・不足量(1996年度)

単位：千³m

年度	月	半旬	切下げ無し		切下げ率17.9%		切下げ率21.4%	
			貯水量	不足量	貯水量	不足量	貯水量	不足量
1996	4	1	144,073	0	317,208	0	367,983	0
1996	4	2	136,112	0	319,190	0	371,917	0
1996	4	3	118,991	0	311,772	0	366,464	0
1996	4	4	158,623	0	360,859	0	417,401	0
1996	4	5	146,406	0	361,530	0	420,592	0
1996	4	6	195,019	0	421,894	0	480,028	0
1996	5	1	284,029	0	491,028	0	544,512	0
1996	5	2	350,164	0	545,671	0	587,346	0
1996	5	3	400,609	0	572,336	0	614,572	0
1996	5	4	417,336	0	590,539	0	625,130	0
1996	5	5	427,013	0	591,804	0	627,226	0
1996	5	6	425,606	0	591,796	0	628,248	0
1996	6	1	416,793	0	587,722	0	625,120	0
1996	6	2	384,894	0	571,071	0	611,721	0
1996	6	3	358,689	0	554,276	0	597,955	0
1996	6	4	329,313	0	502,961	0	537,669	0
1996	6	5	295,593	0	448,885	0	484,744	0
1996	6	6	258,465	0	398,934	0	436,090	0
1996	7	1	253,407	0	380,068	0	418,661	0
1996	7	2	258,915	0	368,182	0	408,101	0
1996	7	3	252,953	0	361,059	0	402,012	0
1996	7	4	249,536	0	343,532	0	385,796	0
1996	7	5	262,124	0	337,014	0	380,599	0
1996	7	6	241,648	0	320,452	0	366,746	0
1996	8	1	213,395	0	289,935	0	339,062	0
1996	8	2	149,373	0	221,081	0	271,559	0
1996	8	3	84,465	0	156,626	0	205,275	0
1996	8	4	12,295	0	80,422	0	127,717	0
1996	8	5	0	-49,235	15,557	0	60,491	0
1996	8	6	4,922	-64,134	12,218	0	49,865	0
1996	9	1	5,000	-103,670	5,000	-27,632	10,323	0
1996	9	2	32,294	0	32,566	0	36,586	0
1996	9	3	47,414	0	49,418	0	53,777	0
1996	9	4	40,360	0	48,364	0	53,895	0
1996	9	5	114,444	0	122,420	0	127,903	0
1996	9	6	128,925	0	137,985	0	143,644	0
1996	10	1	151,168	0	160,761	0	165,512	0
1996	10	2	186,381	0	196,479	0	201,329	0
1996	10	3	204,067	0	214,716	0	219,674	0
1996	10	4	218,595	0	229,823	0	234,880	0
1996	10	5	224,941	0	237,915	0	243,107	0
1996	10	6	227,471	0	243,539	0	249,336	0
1996	11	1	236,776	0	253,663	0	259,584	0
1996	11	2	249,032	0	266,897	0	273,010	0
1996	11	3	257,184	0	275,989	0	282,286	0
1996	11	4	260,653	0	282,998	0	289,486	0
1996	11	5	264,636	0	291,667	0	298,343	0
1996	11	6	268,813	0	301,963	0	309,835	0
1996	12	1	263,910	0	303,151	0	312,214	0
1996	12	2	259,655	0	304,987	0	315,241	0
1996	12	3	248,341	0	299,774	0	311,218	0
1996	12	4	245,805	0	303,330	0	315,965	0
1996	12	5	234,171	0	297,912	0	311,747	0
1996	12	6	216,131	0	287,416	0	302,710	0
1996	1	1	200,009	0	277,711	0	294,261	0
1996	1	2	199,348	0	283,357	0	301,139	0
1996	1	3	180,664	0	272,494	0	291,806	0
1996	1	4	159,794	0	258,868	0	279,464	0
1996	1	5	142,617	0	248,266	0	270,148	0
1996	1	6	118,688	0	232,088	0	255,486	0
1996	2	1	101,434	0	221,423	0	246,110	0
1996	2	2	79,009	0	206,830	0	232,831	0
1996	2	3	60,722	0	196,388	0	223,923	0
1996	2	4	56,112	-13,510	185,091	0	213,976	0
1996	2	5	56,600	-36,739	167,200	0	197,613	0
1996	2	6	57,227	-43,180	164,454	0	195,621	0
1996	3	1	56,037	-55,596	158,970	0	191,293	0
1996	3	2	54,989	-63,181	160,583	0	194,013	0
1996	3	3	54,042	-69,152	163,374	0	198,008	0
1996	3	4	58,431	0	176,207	0	212,022	0
1996	3	5	59,999	0	185,092	0	222,137	0
1996	3	6	90,632	0	224,887	0	263,379	0

河口堰上流ダム群貯水量・不足量(1997年度)

単位：千 m^3

年度	月	半月	切下げ無し		切下げ率17.9%		切下げ率21.4%	
			貯水量	不足量	貯水量	不足量	貯水量	不足量
1997	4	1	135,628	0	278,021	0	317,964	0
1997	4	2	239,732	0	371,989	0	411,569	0
1997	4	3	282,722	0	413,154	0	452,599	0
1997	4	4	295,657	0	437,817	0	475,339	0
1997	4	5	266,548	0	422,135	0	462,262	0
1997	4	6	228,900	0	399,008	0	441,974	0
1997	5	1	199,714	0	385,886	0	431,993	0
1997	5	2	198,405	0	398,428	0	447,243	0
1997	5	3	182,620	0	391,726	0	443,427	0
1997	5	4	194,168	0	398,725	0	452,689	0
1997	5	5	269,607	0	468,758	0	513,614	0
1997	5	6	328,171	0	509,317	0	543,777	0
1997	6	1	323,665	0	517,515	0	542,719	0
1997	6	2	305,028	0	509,980	0	536,989	0
1997	6	3	329,816	0	519,147	0	539,823	0
1997	6	4	347,204	0	487,534	0	504,157	0
1997	6	5	362,558	0	474,685	0	491,397	0
1997	6	6	339,977	0	433,442	0	450,288	0
1997	7	1	315,128	0	421,297	0	440,569	0
1997	7	2	260,653	0	383,915	0	406,278	0
1997	7	3	273,144	0	400,974	0	423,215	0
1997	7	4	294,308	0	421,234	0	443,428	0
1997	7	5	242,615	0	385,901	0	411,237	0
1997	7	6	291,002	0	414,569	0	438,546	0
1997	8	1	307,256	0	428,821	0	452,962	0
1997	8	2	314,479	0	435,381	0	459,662	0
1997	8	3	314,995	0	436,517	0	460,937	0
1997	8	4	302,770	0	428,350	0	453,734	0
1997	8	5	276,133	0	411,779	0	439,795	0
1997	8	6	284,475	0	413,326	0	440,254	0
1997	9	1	276,488	0	405,042	0	432,491	0
1997	9	2	278,352	0	406,666	0	434,216	0
1997	9	3	290,540	0	417,703	0	445,341	0
1997	9	4	314,369	0	441,377	0	469,091	0
1997	9	5	327,316	0	454,713	0	478,888	0
1997	9	6	354,143	0	470,039	0	490,810	0
1997	10	1	376,940	0	493,163	0	513,998	0
1997	10	2	395,188	0	512,041	0	533,000	0
1997	10	3	402,018	0	519,546	0	540,637	0
1997	10	4	403,983	0	523,752	0	544,969	0
1997	10	5	399,776	0	523,549	0	545,237	0
1997	10	6	395,183	0	526,478	0	549,637	0
1997	11	1	387,441	0	524,865	0	549,222	0
1997	11	2	375,142	0	518,903	0	544,486	0
1997	11	3	366,368	0	516,242	0	543,016	0
1997	11	4	377,531	0	529,756	0	555,905	0
1997	11	5	396,133	0	554,601	0	581,024	0
1997	11	6	462,389	0	614,292	0	637,802	0
1997	12	1	502,794	0	631,245	0	653,356	0
1997	12	2	533,016	0	645,016	0	667,152	0
1997	12	3	547,991	0	655,249	0	677,409	0
1997	12	4	554,661	0	659,610	0	681,795	0
1997	12	5	550,739	0	661,606	0	683,820	0
1997	12	6	539,184	0	657,526	0	681,202	0
1997	1	1	524,828	0	649,497	0	674,410	0
1997	1	2	519,376	0	650,255	0	676,382	0
1997	1	3	516,063	0	653,341	0	680,696	0
1997	1	4	544,761	0	673,618	0	696,278	0
1997	1	5	559,198	0	677,988	0	700,375	0
1997	1	6	559,421	0	680,045	0	702,530	0
1997	2	1	551,913	0	678,094	0	701,010	0
1997	2	2	544,595	0	677,000	0	700,338	0
1997	2	3	543,385	0	681,292	0	704,142	0
1997	2	4	554,220	0	687,020	0	709,990	0
1997	2	5	575,405	0	695,830	0	718,802	0
1997	2	6	583,819	0	697,895	0	720,883	0
1997	3	1	596,051	0	704,211	0	727,199	0
1997	3	2	600,536	0	707,175	0	730,187	0
1997	3	3	607,036	0	713,400	0	736,436	0
1997	3	4	610,846	0	717,335	0	740,396	0
1997	3	5	620,516	0	727,130	0	750,215	0
1997	3	6	644,779	0	744,505	0	767,189	0

河口堰上流ダム群貯水量・不足量(1998年度)

単位：千³m

年度	月	半旬	切下げ無し		切下げ率17.9%		切下げ率21.4%	
			貯水量	不足量	貯水量	不足量	貯水量	不足量
1998	4	1	651,735	0	751,582	0	771,996	0
1998	4	2	664,830	0	763,408	0	782,567	0
1998	4	3	677,817	0	773,344	0	792,503	0
1998	4	4	692,832	0	784,918	0	804,076	0
1998	4	5	695,571	0	788,727	0	807,899	0
1998	4	6	694,054	0	791,003	0	810,337	0
1998	5	1	686,745	0	787,861	0	808,010	0
1998	5	2	684,987	0	789,080	0	809,812	0
1998	5	3	679,561	0	787,198	0	808,623	0
1998	5	4	676,252	0	787,114	0	809,169	0
1998	5	5	670,264	0	784,742	0	806,679	0
1998	5	6	666,786	0	785,337	0	806,470	0
1998	6	1	645,959	0	777,244	0	800,659	0
1998	6	2	638,965	0	776,731	0	797,590	0
1998	6	3	642,260	0	776,885	0	794,901	0
1998	6	4	601,162	0	720,279	0	722,761	0
1998	6	5	558,733	0	637,673	0	640,155	0
1998	6	6	489,125	0	554,717	0	557,199	0
1998	7	1	448,357	0	528,648	0	534,023	0
1998	7	2	432,319	0	519,307	0	524,929	0
1998	7	3	410,939	0	504,445	0	511,342	0
1998	7	4	353,759	0	466,364	0	476,995	0
1998	7	5	362,288	0	474,837	0	484,357	0
1998	7	6	384,327	0	491,614	0	499,779	0
1998	8	1	414,350	0	522,723	0	531,021	0
1998	8	2	427,431	0	539,232	0	546,651	0
1998	8	3	437,087	0	541,826	0	545,163	0
1998	8	4	452,103	0	541,934	0	545,324	0
1998	8	5	452,077	0	541,127	0	544,665	0
1998	8	6	518,293	0	550,290	0	550,290	0
1998	9	1	539,670	0	550,290	0	550,290	0
1998	9	2	541,416	0	550,290	0	550,290	0
1998	9	3	542,172	0	550,290	0	550,290	0
1998	9	4	550,290	0	550,290	0	550,290	0
1998	9	5	550,290	0	550,290	0	550,290	0
1998	9	6	550,290	0	550,290	0	550,290	0
1998	10	1	606,286	0	606,364	0	606,364	0
1998	10	2	645,683	0	645,761	0	645,761	0
1998	10	3	666,387	0	666,590	0	666,614	0
1998	10	4	709,569	0	709,771	0	709,796	0
1998	10	5	737,091	0	737,091	0	737,091	0
1998	10	6	752,451	0	752,451	0	752,451	0
1998	11	1	760,473	0	760,473	0	760,473	0
1998	11	2	767,571	0	767,571	0	767,571	0
1998	11	3	773,969	0	773,969	0	773,969	0
1998	11	4	779,996	0	779,996	0	779,996	0
1998	11	5	785,309	0	785,309	0	785,309	0
1998	11	6	786,671	0	786,678	0	786,679	0
1998	12	1	786,519	0	786,533	0	786,536	0
1998	12	2	787,768	0	787,782	0	787,785	0
1998	12	3	786,325	0	786,862	0	786,968	0
1998	12	4	786,143	0	787,753	0	787,974	0
1998	12	5	782,359	0	787,931	0	788,280	0
1998	12	6	772,764	0	785,252	0	785,776	0
1998	1	1	760,702	0	779,460	0	781,209	0
1998	1	2	750,282	0	775,327	0	778,305	0
1998	1	3	738,999	0	770,273	0	774,459	0
1998	1	4	725,684	0	763,272	0	768,687	0
1998	1	5	710,983	0	754,866	0	761,491	0
1998	1	6	697,909	0	749,377	0	757,485	0
1998	2	1	683,022	0	740,974	0	750,320	0
1998	2	2	666,179	0	730,630	0	741,216	0
1998	2	3	645,369	0	716,475	0	728,341	0
1998	2	4	628,932	0	706,525	0	719,633	0
1998	2	5	608,841	0	693,052	0	707,419	0
1998	2	6	596,288	0	684,356	0	699,477	0
1998	3	1	577,716	0	672,241	0	688,612	0
1998	3	2	565,702	0	666,633	0	684,257	0
1998	3	3	563,503	0	670,728	0	689,582	0
1998	3	4	626,696	0	730,381	0	747,716	0
1998	3	5	658,958	0	758,099	0	766,346	0
1998	3	6	703,420	0	780,689	0	785,543	0

河口堰上流ダム群貯水量・不足量(1999年度)

単位: 千m³

年度	月	半旬	切下げ無し		切下げ率17.9%		切下げ率21.4%	
			貯水量	不足量	貯水量	不足量	貯水量	不足量
1999	4	1	722,111	0	783,638	0	788,516	0
1999	4	2	737,000	0	786,270	0	791,173	0
1999	4	3	765,260	0	800,046	0	804,948	0
1999	4	4	774,814	0	802,568	0	807,495	0
1999	4	5	784,663	0	812,418	0	815,340	0
1999	4	6	800,531	0	824,499	0	825,086	0
1999	5	1	806,211	0	827,052	0	827,639	0
1999	5	2	809,944	0	828,301	0	828,888	0
1999	5	3	809,788	0	828,007	0	828,594	0
1999	5	4	807,404	0	827,700	0	828,287	0
1999	5	5	787,203	0	819,764	0	822,542	0
1999	5	6	774,528	0	817,249	0	819,357	0
1999	6	1	722,192	0	781,198	0	786,491	0
1999	6	2	660,156	0	735,555	0	743,660	0
1999	6	3	564,434	0	661,925	0	673,629	0
1999	6	4	534,595	0	645,720	0	659,713	0
1999	6	5	487,706	0	597,749	0	605,524	0
1999	6	6	503,898	0	531,878	0	533,248	0
1999	7	1	521,046	0	529,530	0	530,958	0
1999	7	2	519,560	0	529,362	0	531,338	0
1999	7	3	524,490	0	527,561	0	529,047	0
1999	7	4	524,490	0	525,213	0	526,756	0
1999	7	5	524,490	0	524,490	0	524,490	0
1999	7	6	524,863	0	524,863	0	524,863	0
1999	8	1	509,808	0	520,078	0	521,016	0
1999	8	2	512,041	0	515,617	0	516,212	0
1999	8	3	523,535	0	524,916	0	525,186	0
1999	8	4	533,933	0	533,933	0	533,933	0
1999	8	5	542,542	0	542,542	0	542,542	0
1999	8	6	545,108	0	545,108	0	545,108	0
1999	9	1	543,765	0	544,607	0	544,772	0
1999	9	2	539,060	0	540,686	0	541,004	0
1999	9	3	544,370	0	544,370	0	544,370	0
1999	9	4	545,186	0	545,186	0	545,186	0
1999	9	5	550,290	0	550,290	0	550,290	0
1999	9	6	549,944	0	549,944	0	549,944	0
1999	10	1	571,635	0	572,514	0	572,685	0
1999	10	2	591,477	0	592,986	0	593,281	0
1999	10	3	605,093	0	606,220	0	606,441	0
1999	10	4	614,700	0	616,474	0	616,817	0
1999	10	5	620,407	0	623,300	0	623,777	0
1999	10	6	679,622	0	681,063	0	681,337	0
1999	11	1	706,989	0	708,481	0	708,684	0
1999	11	2	721,858	0	723,084	0	723,324	0
1999	11	3	737,082	0	738,432	0	738,697	0
1999	11	4	754,305	0	755,781	0	756,069	0
1999	11	5	767,814	0	769,414	0	769,727	0
1999	11	6	775,162	0	779,582	0	780,024	0
1999	12	1	781,258	0	785,758	0	786,133	0
1999	12	2	785,141	0	788,832	0	789,243	0
1999	12	3	788,519	0	793,094	0	793,542	0
1999	12	4	785,859	0	796,021	0	796,602	0
1999	12	5	780,680	0	796,669	0	797,385	0
1999	12	6	770,860	0	794,295	0	796,445	0
1999	1	1	759,810	0	789,468	0	792,820	0
1999	1	2	758,053	0	793,862	0	798,405	0
1999	1	3	764,959	0	802,564	0	803,256	0
1999	1	4	763,858	0	802,229	0	802,960	0
1999	1	5	757,304	0	800,425	0	801,264	0
1999	1	6	745,293	0	795,819	0	796,830	0
1999	2	1	732,627	0	789,554	0	791,816	0
1999	2	2	721,101	0	784,420	0	787,911	0
1999	2	3	706,966	0	776,700	0	781,446	0
1999	2	4	694,650	0	770,805	0	776,806	0
1999	2	5	677,966	0	760,633	0	767,888	0
1999	2	6	658,370	0	746,327	0	754,616	0
1999	3	1	634,908	0	729,235	0	738,769	0
1999	3	2	617,343	0	718,176	0	728,960	0
1999	3	3	591,652	0	699,108	0	711,153	0
1999	3	4	573,681	0	687,467	0	700,750	0
1999	3	5	558,671	0	678,777	0	693,319	0
1999	3	6	582,185	0	709,837	0	725,854	0

河口堰上流ダム群貯水量・不足量(2000年度)

単位: 千³m

年度	月	半旬	切下げ無し		切下げ率17.9%		切下げ率21.4%	
			貯水量	不足量	貯水量	不足量	貯水量	不足量
2000	4	1	585,676	0	720,210	0	737,573	0
2000	4	2	621,718	0	762,332	0	771,306	0
2000	4	3	669,606	0	778,838	0	784,965	0
2000	4	4	694,627	0	782,443	0	786,728	0
2000	4	5	753,742	0	802,949	0	807,258	0
2000	4	6	769,303	0	804,900	0	809,234	0
2000	5	1	772,205	0	805,371	0	809,729	0
2000	5	2	772,231	0	805,521	0	809,903	0
2000	5	3	772,542	0	805,956	0	810,363	0
2000	5	4	777,083	0	810,637	0	815,071	0
2000	5	5	778,517	0	812,278	0	816,753	0
2000	5	6	778,206	0	812,244	0	816,772	0
2000	6	1	773,951	0	811,394	0	816,429	0
2000	6	2	757,909	0	793,829	0	798,676	0
2000	6	3	745,065	0	780,057	0	784,764	0
2000	6	4	674,860	0	708,446	0	709,088	0
2000	6	5	608,293	0	625,473	0	626,115	0
2000	6	6	539,183	0	542,509	0	543,151	0
2000	7	1	539,865	0	543,191	0	543,833	0
2000	7	2	548,816	0	552,142	0	552,784	0
2000	7	3	549,127	0	552,453	0	553,095	0
2000	7	4	551,179	0	554,505	0	555,147	0
2000	7	5	550,021	0	554,548	0	555,357	0
2000	7	6	545,511	0	552,046	0	553,034	0
2000	8	1	548,907	0	554,946	0	555,877	0
2000	8	2	553,784	0	557,110	0	557,752	0
2000	8	3	545,042	0	548,368	0	549,010	0
2000	8	4	539,884	0	544,626	0	545,373	0
2000	8	5	526,544	0	537,372	0	538,227	0
2000	8	6	505,792	0	530,928	0	533,646	0
2000	9	1	486,193	0	521,704	0	525,865	0
2000	9	2	518,784	0	542,122	0	543,590	0
2000	9	3	550,290	0	550,290	0	550,290	0
2000	9	4	550,290	0	550,290	0	550,290	0
2000	9	5	550,290	0	550,290	0	550,290	0
2000	9	6	550,290	0	550,290	0	550,290	0
2000	10	1	577,277	0	577,605	0	577,669	0
2000	10	2	597,348	0	597,800	0	597,889	0
2000	10	3	608,818	0	609,945	0	610,165	0
2000	10	4	625,013	0	626,787	0	627,134	0
2000	10	5	651,764	0	653,622	0	653,985	0
2000	10	6	673,681	0	675,688	0	676,081	0
2000	11	1	694,493	0	695,618	0	695,838	0
2000	11	2	705,894	0	707,143	0	707,387	0
2000	11	3	716,599	0	717,972	0	718,241	0
2000	11	4	730,466	0	731,964	0	732,257	0
2000	11	5	745,327	0	746,949	0	747,267	0
2000	11	6	756,796	0	758,546	0	758,888	0
2000	12	1	764,843	0	766,723	0	767,091	0
2000	12	2	767,828	0	769,846	0	770,240	0
2000	12	3	768,891	0	771,113	0	771,547	0
2000	12	4	770,010	0	773,657	0	774,132	0
2000	12	5	770,438	0	776,611	0	777,116	0
2000	12	6	766,487	0	777,831	0	778,503	0
2000	1	1	757,186	0	774,748	0	776,634	0
2000	1	2	757,523	0	778,592	0	779,534	0
2000	1	3	753,398	0	779,017	0	780,084	0
2000	1	4	742,758	0	774,738	0	777,027	0
2000	1	5	729,275	0	767,843	0	771,357	0
2000	1	6	728,663	0	775,000	0	778,274	0
2000	2	1	714,170	0	768,171	0	772,900	0
2000	2	2	702,804	0	763,576	0	769,531	0
2000	2	3	681,695	0	750,023	0	757,456	0
2000	2	4	663,425	0	739,330	0	748,239	0
2000	2	5	661,658	0	743,639	0	753,737	0
2000	2	6	659,116	0	744,753	0	755,566	0
2000	3	1	678,348	0	763,444	0	772,006	0
2000	3	2	675,752	0	767,131	0	776,922	0
2000	3	3	666,589	0	764,200	0	775,209	0
2000	3	4	663,215	0	766,941	0	779,146	0
2000	3	5	692,838	0	795,726	0	798,436	0
2000	3	6	733,947	0	809,013	0	809,225	0

河口堰上流ダム群貯水量・不足量(2001年度)

単位：千m³

年度	月	半旬	切下げ無し		切下げ率17.9%		切下げ率21.4%	
			貯水量	不足量	貯水量	不足量	貯水量	不足量
2001	4	1	746,994	0	810,562	0	810,871	0
2001	4	2	783,601	0	812,856	0	813,070	0
2001	4	3	794,094	0	812,968	0	813,202	0
2001	4	4	793,203	0	811,653	0	811,956	0
2001	4	5	775,262	0	802,357	0	803,414	0
2001	4	6	764,911	0	790,330	0	792,220	0
2001	5	1	749,938	0	777,175	0	780,004	0
2001	5	2	743,190	0	771,901	0	775,411	0
2001	5	3	722,748	0	756,215	0	760,852	0
2001	5	4	706,110	0	744,064	0	749,746	0
2001	5	5	701,535	0	737,286	0	743,678	0
2001	5	6	696,759	0	732,956	0	740,109	0
2001	6	1	680,140	0	721,080	0	729,130	0
2001	6	2	667,327	0	712,113	0	721,021	0
2001	6	3	668,412	0	716,489	0	726,040	0
2001	6	4	613,974	0	665,146	0	675,302	0
2001	6	5	550,029	0	603,875	0	614,387	0
2001	6	6	482,969	0	530,249	0	531,467	0
2001	7	1	467,318	0	519,999	0	522,273	0
2001	7	2	402,142	0	473,075	0	478,754	0
2001	7	3	327,125	0	415,708	0	424,518	0
2001	7	4	360,226	0	449,398	0	457,813	0
2001	7	5	352,623	0	448,633	0	458,167	0
2001	7	6	312,970	0	428,911	0	441,861	0
2001	8	1	272,596	0	405,912	0	422,259	0
2001	8	2	215,304	0	365,119	0	384,679	0
2001	8	3	240,433	0	390,042	0	409,886	0
2001	8	4	201,877	0	366,622	0	389,194	0
2001	8	5	353,584	0	476,489	0	488,998	0
2001	8	6	392,299	0	505,930	0	517,522	0
2001	9	1	406,576	0	517,612	0	529,314	0
2001	9	2	493,756	0	544,994	0	550,290	0
2001	9	3	513,597	0	550,290	0	550,290	0
2001	9	4	518,297	0	550,290	0	550,290	0
2001	9	5	516,430	0	549,761	0	550,022	0
2001	9	6	515,722	0	549,574	0	549,936	0
2001	10	1	546,640	0	581,362	0	581,896	0
2001	10	2	607,021	0	642,555	0	643,248	0
2001	10	3	662,312	0	696,485	0	697,113	0
2001	10	4	681,614	0	715,895	0	716,522	0
2001	10	5	698,511	0	732,929	0	733,575	0
2001	10	6	714,166	0	745,387	0	745,517	0
2001	11	1	727,810	0	756,002	0	756,156	0
2001	11	2	745,863	0	767,946	0	767,964	0
2001	11	3	754,963	0	775,439	0	775,457	0
2001	11	4	760,205	0	782,399	0	782,449	0
2001	11	5	763,094	0	787,390	0	787,851	0
2001	11	6	767,325	0	793,752	0	794,630	0
2001	12	1	773,744	0	799,980	0	800,482	0
2001	12	2	776,872	0	801,838	0	802,343	0
2001	12	3	779,135	0	801,500	0	802,011	0
2001	12	4	775,524	0	799,046	0	799,561	0
2001	12	5	774,569	0	797,749	0	798,305	0
2001	12	6	759,478	0	790,147	0	792,167	0
2001	1	1	763,021	0	799,964	0	802,554	0
2001	1	2	765,920	0	799,696	0	800,388	0
2001	1	3	771,903	0	800,877	0	801,597	0
2001	1	4	778,422	0	807,044	0	807,248	0
2001	1	5	792,976	0	814,959	0	815,226	0
2001	1	6	803,067	0	817,924	0	818,066	0
2001	2	1	804,890	0	818,213	0	818,355	0
2001	2	2	807,141	0	818,468	0	818,610	0
2001	2	3	808,309	0	818,339	0	818,483	0
2001	2	4	808,922	0	817,996	0	818,144	0
2001	2	5	809,557	0	817,734	0	817,889	0
2001	2	6	810,244	0	817,775	0	817,933	0
2001	3	1	811,605	0	818,435	0	818,597	0
2001	3	2	813,264	0	819,252	0	819,426	0
2001	3	3	815,472	0	820,240	0	820,432	0
2001	3	4	810,564	0	821,751	0	821,965	0
2001	3	5	807,868	0	821,846	0	822,067	0
2001	3	6	787,599	0	811,046	0	813,119	0

河口堰上流ダム群貯水量・不足量(2002年度)

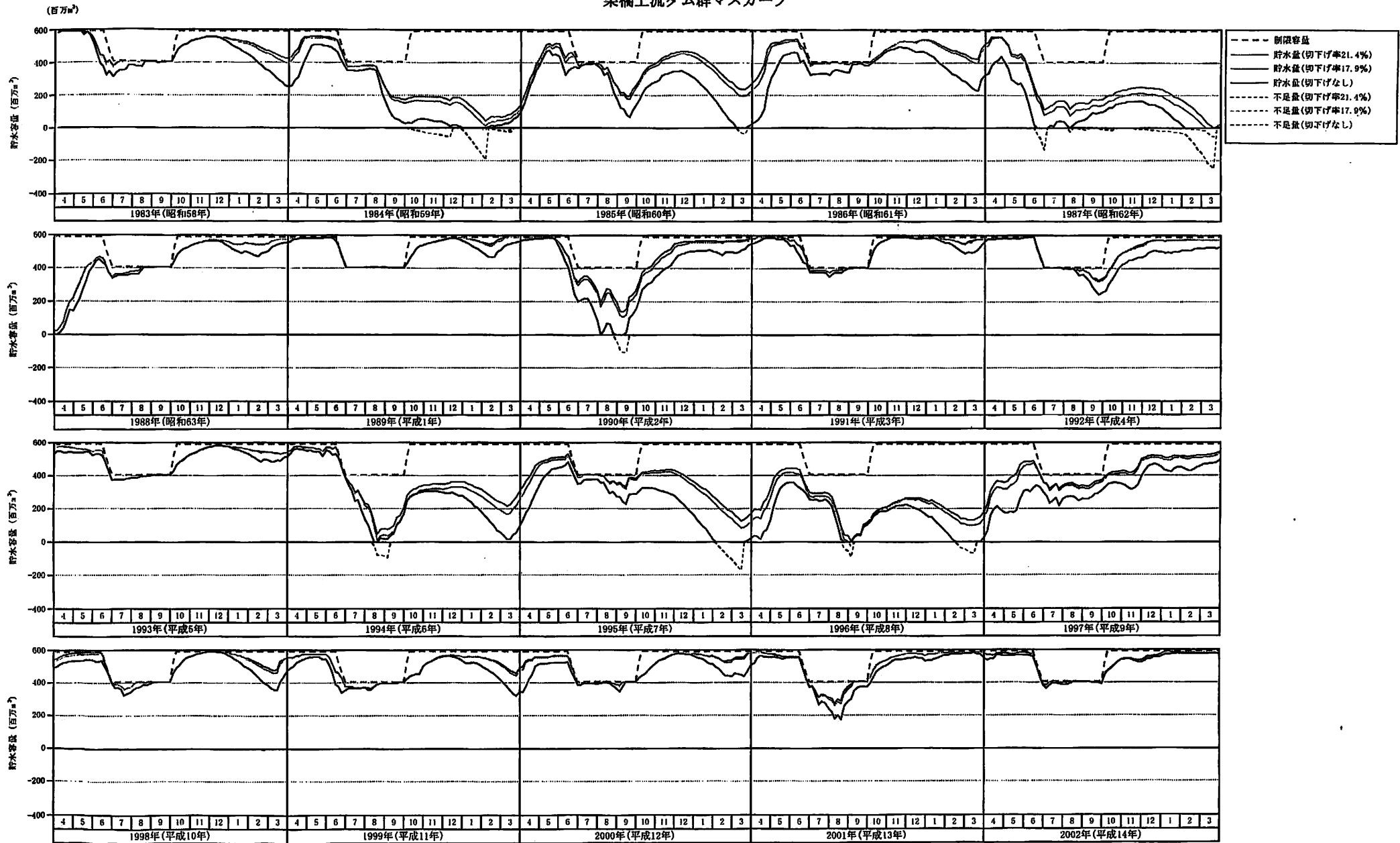
単位: 千³

年度	月	半旬	切下げ無し		切下げ率17.9%		切下げ率21.4%	
			貯水量	不足量	貯水量	不足量	貯水量	不足量
2002	4	1	772,311	0	802,412	0	804,309	0
2002	4	2	783,473	0	804,241	0	805,826	0
2002	4	3	783,351	0	801,392	0	803,066	0
2002	4	4	805,404	0	814,807	0	815,822	0
2002	4	5	804,354	0	815,562	0	816,664	0
2002	4	6	801,913	0	815,614	0	816,375	0
2002	5	1	794,379	0	813,184	0	814,528	0
2002	5	2	793,926	0	812,903	0	813,960	0
2002	5	3	791,606	0	813,155	0	814,279	0
2002	5	4	795,550	0	816,921	0	818,125	0
2002	5	5	797,762	0	820,428	0	821,633	0
2002	5	6	795,823	0	821,689	0	822,302	0
2002	6	1	791,235	0	819,488	0	820,268	0
2002	6	2	784,327	0	807,857	0	808,845	0
2002	6	3	775,502	0	790,746	0	791,912	0
2002	6	4	702,681	0	709,443	0	710,477	0
2002	6	5	619,777	0	626,540	0	627,574	0
2002	6	6	536,929	0	543,692	0	544,726	0
2002	7	1	512,041	0	529,150	0	531,830	0
2002	7	2	527,420	0	552,779	0	554,075	0
2002	7	3	549,387	0	556,941	0	557,201	0
2002	7	4	549,011	0	554,652	0	554,911	0
2002	7	5	545,717	0	551,985	0	552,412	0
2002	7	6	541,487	0	549,763	0	550,582	0
2002	8	1	542,040	0	551,825	0	552,939	0
2002	8	2	545,077	0	556,397	0	557,811	0
2002	8	3	543,110	0	547,119	0	547,903	0
2002	8	4	550,052	0	550,290	0	550,290	0
2002	8	5	547,845	0	549,412	0	549,719	0
2002	8	6	549,302	0	549,984	0	549,984	0
2002	9	1	549,414	0	549,613	0	549,613	0
2002	9	2	550,290	0	550,290	0	550,290	0
2002	9	3	546,411	0	547,156	0	547,302	0
2002	9	4	543,253	0	545,273	0	545,667	0
2002	9	5	538,916	0	542,272	0	542,929	0
2002	9	6	537,611	0	541,481	0	542,238	0
2002	10	1	639,775	0	644,502	0	645,426	0
2002	10	2	664,042	0	668,242	0	669,063	0
2002	10	3	678,577	0	682,901	0	683,747	0
2002	10	4	699,818	0	704,279	0	705,151	0
2002	10	5	719,517	0	724,032	0	724,915	0
2002	10	6	742,091	0	743,120	0	743,311	0
2002	11	1	745,350	0	746,703	0	746,958	0
2002	11	2	748,191	0	750,598	0	751,019	0
2002	11	3	745,109	0	749,678	0	750,522	0
2002	11	4	740,931	0	747,751	0	748,905	0
2002	11	5	733,790	0	744,691	0	746,147	0
2002	11	6	733,910	0	745,152	0	747,049	0
2002	12	1	744,132	0	756,083	0	758,075	0
2002	12	2	756,319	0	768,261	0	770,253	0
2002	12	3	759,140	0	772,541	0	774,630	0
2002	12	4	766,601	0	777,364	0	779,067	0
2002	12	5	766,172	0	776,801	0	778,601	0
2002	12	6	773,580	0	784,789	0	786,704	0
2002	1	1	782,129	0	794,553	0	796,568	0
2002	1	2	784,989	0	798,907	0	799,407	0
2002	1	3	787,335	0	799,103	0	799,248	0
2002	1	4	792,903	0	798,997	0	799,151	0
2002	1	5	791,724	0	797,824	0	797,986	0
2002	1	6	791,682	0	797,570	0	797,739	0
2002	2	1	791,328	0	797,207	0	797,384	0
2002	2	2	790,996	0	796,887	0	797,072	0
2002	2	3	791,181	0	796,986	0	797,179	0
2002	2	4	791,026	0	796,493	0	796,695	0
2002	2	5	790,555	0	795,929	0	796,140	0
2002	2	6	790,143	0	795,534	0	795,751	0
2002	3	1	790,355	0	794,952	0	795,233	0
2002	3	2	792,230	0	796,158	0	796,504	0
2002	3	3	793,401	0	797,048	0	797,393	0
2002	3	4	794,265	0	797,456	0	797,673	0
2002	3	5	795,172	0	798,139	0	798,355	0
2002	3	6	789,491	0	795,740	0	796,084	0

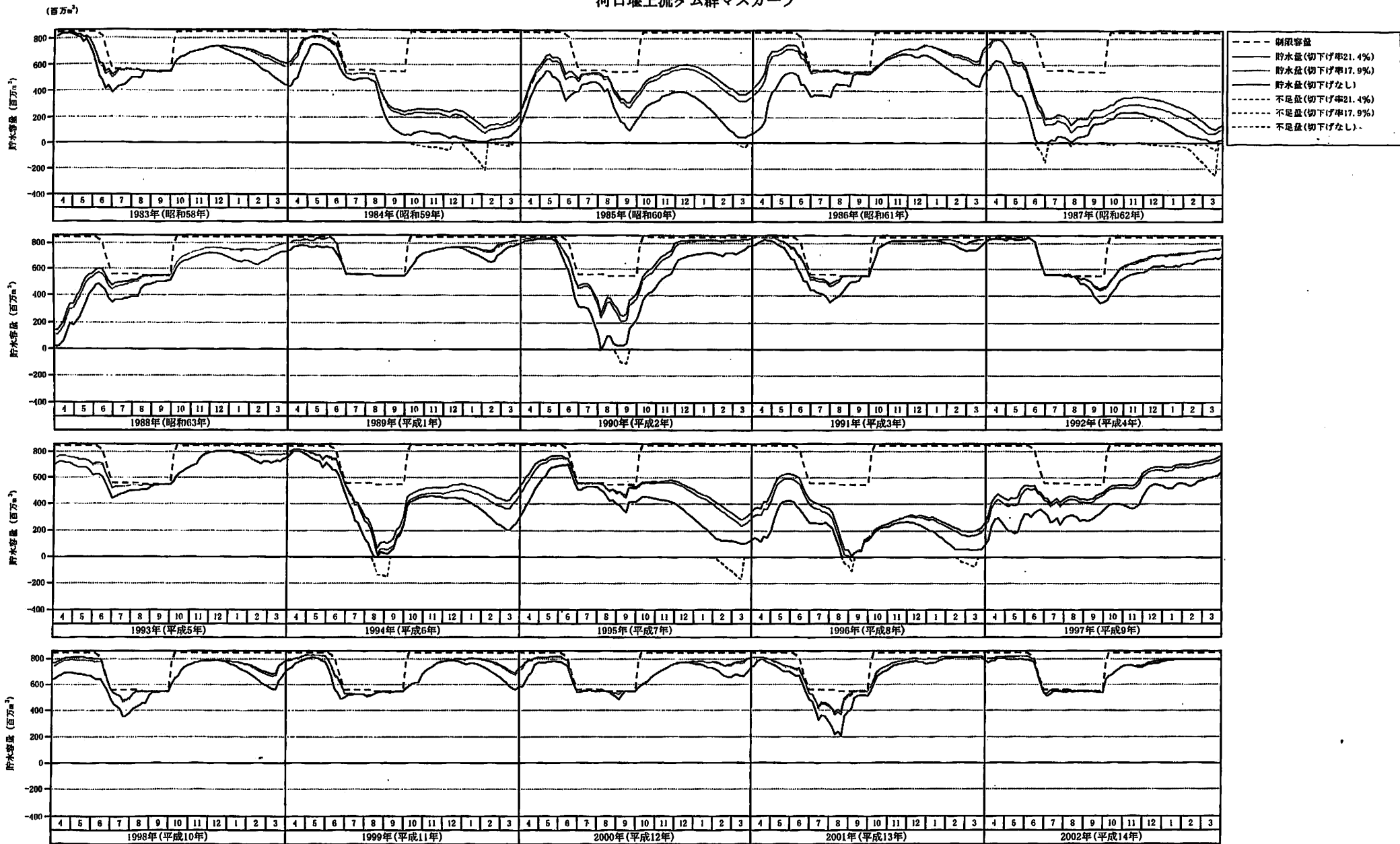
2. 各ダム貯水量計算結果（切り下げ無し）

切り下げ無しの各ダム毎のマスカーブ（貯水池運用曲線）を次に示す。

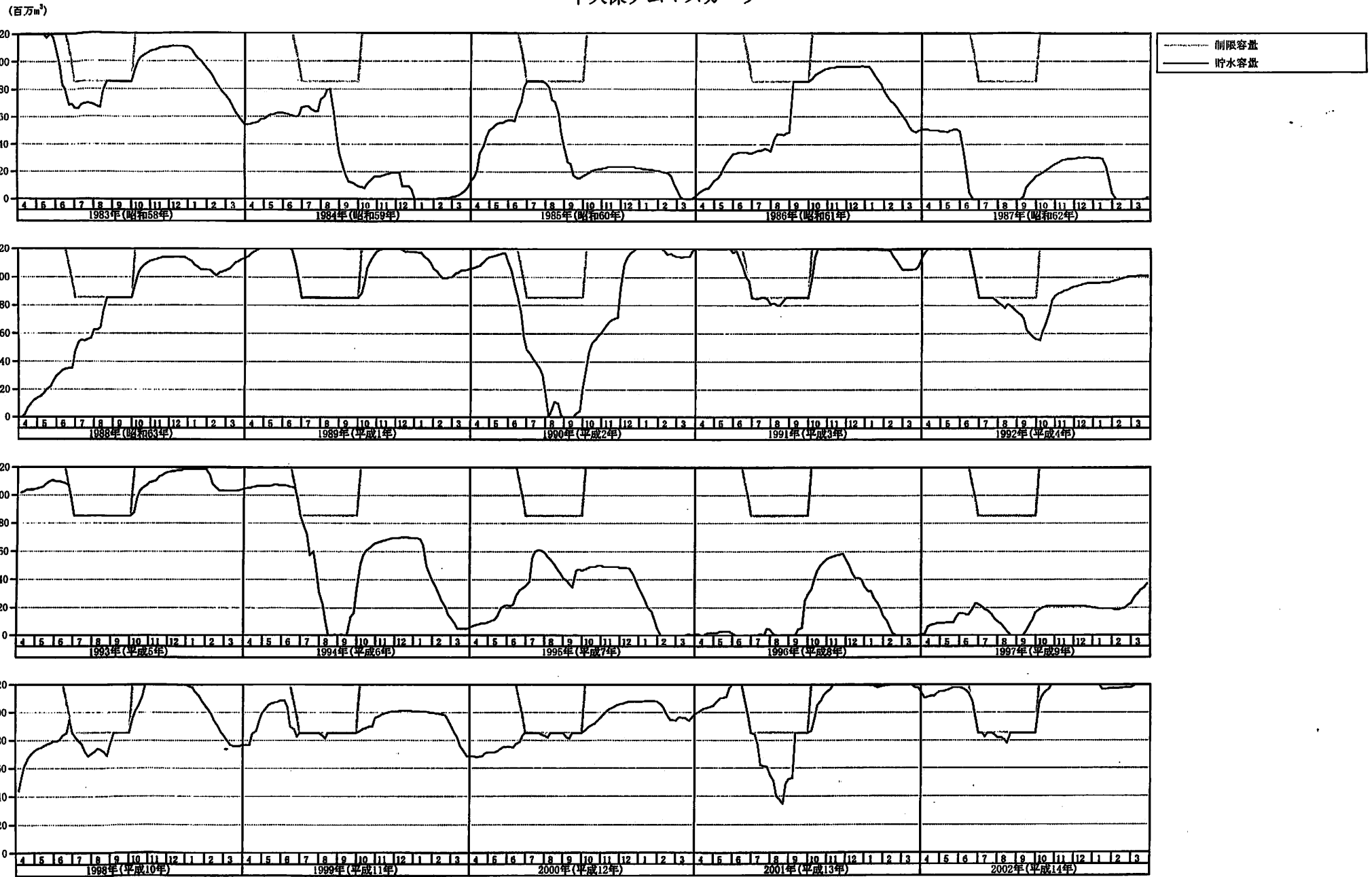
栗橋上流ダム群マスカープ



河口堰上流ダム群マスカープ

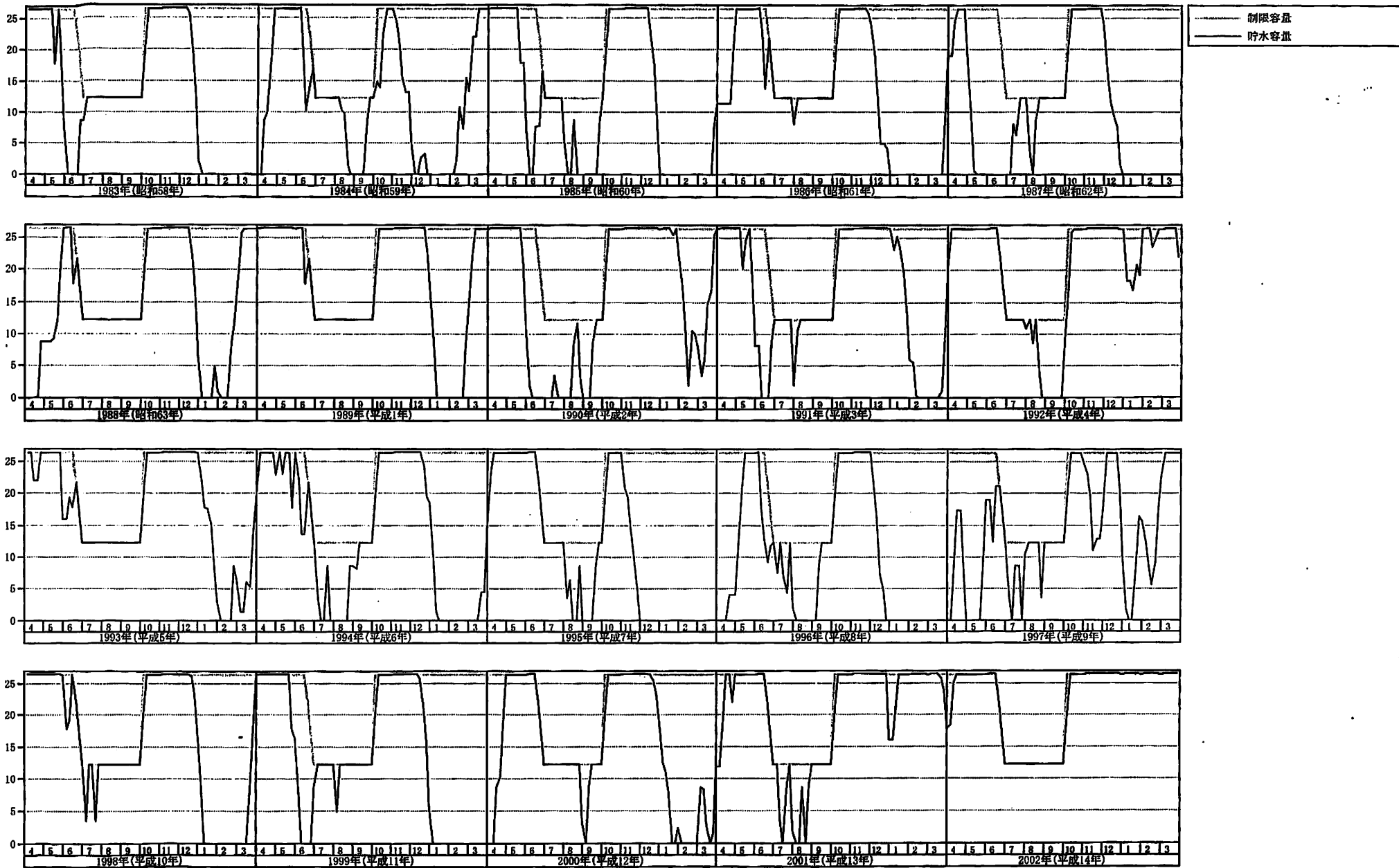


下久保ダム马斯カーブ



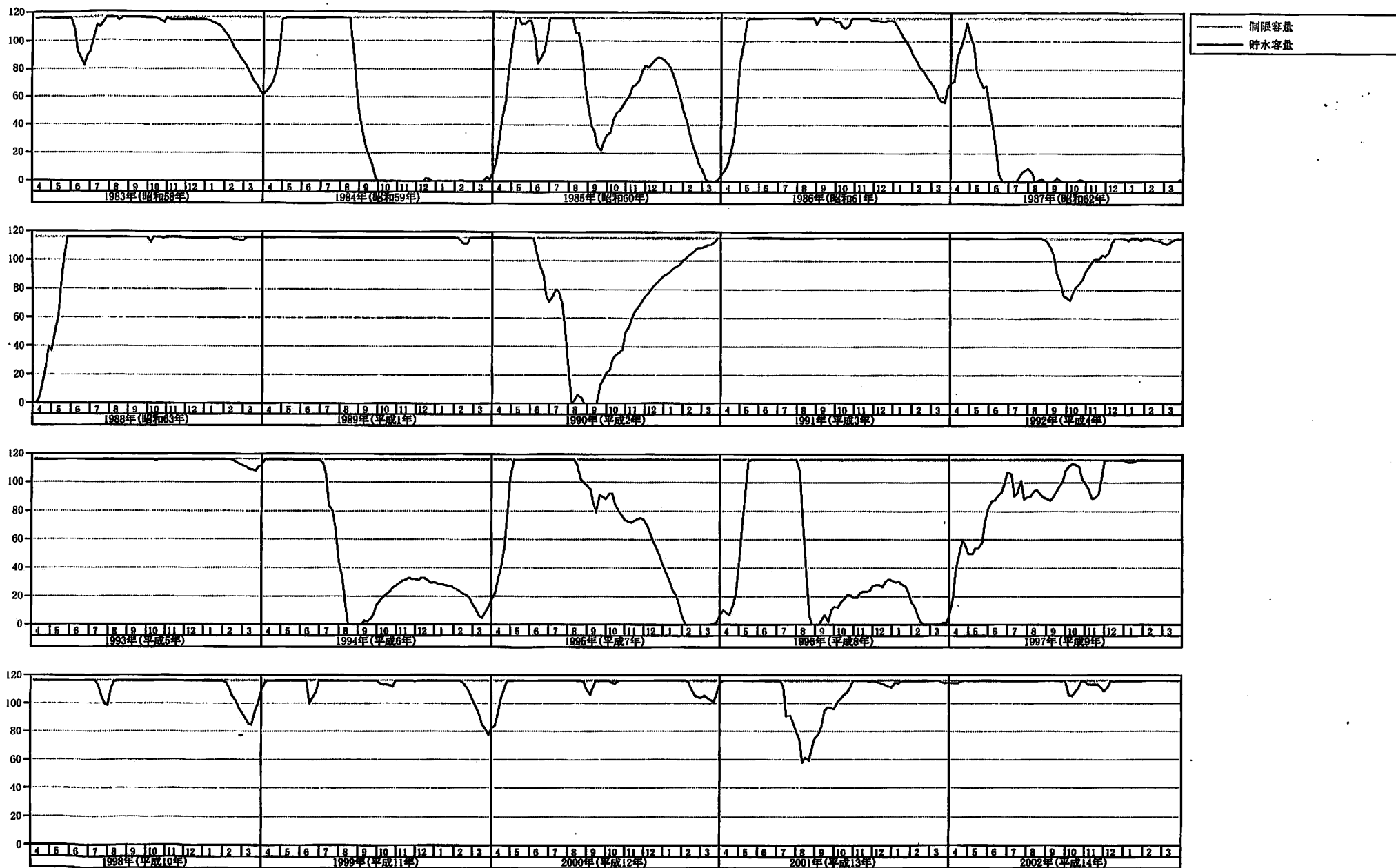
渡良瀬遊水池

(百万m³)



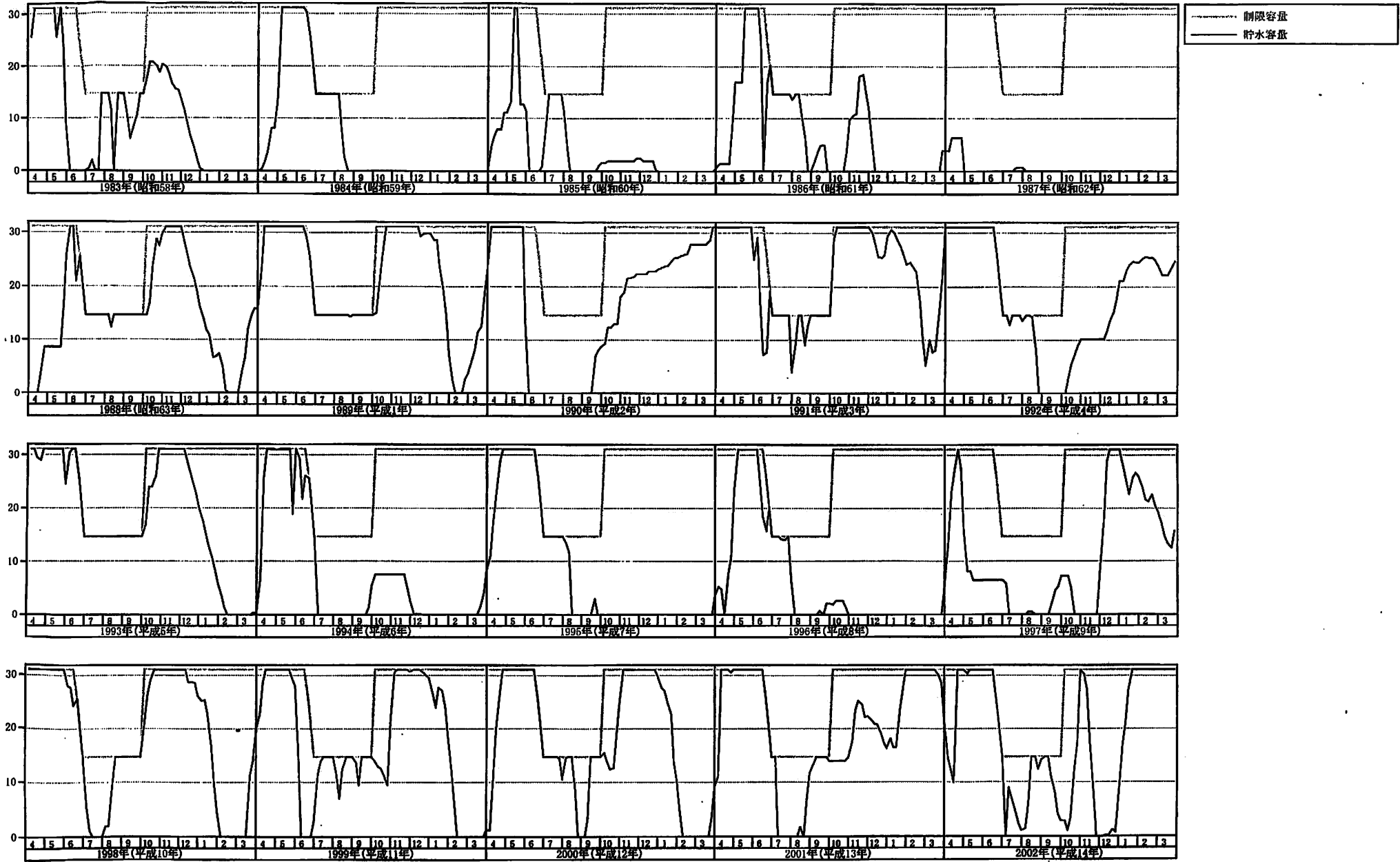
矢木沢ダム马斯カーブ

(百万 m^3)



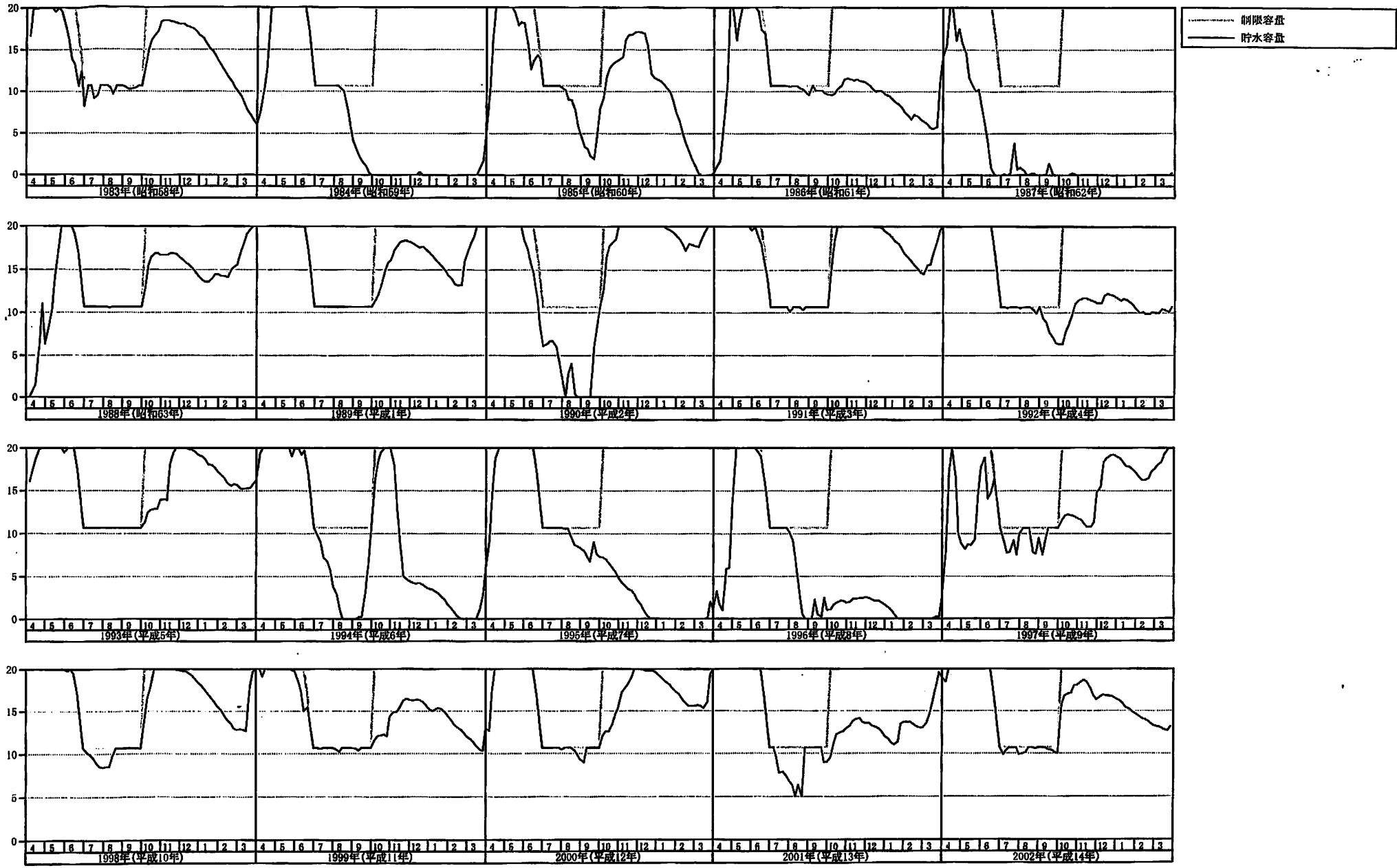
藤原ダムマスカープ

(百万m³)



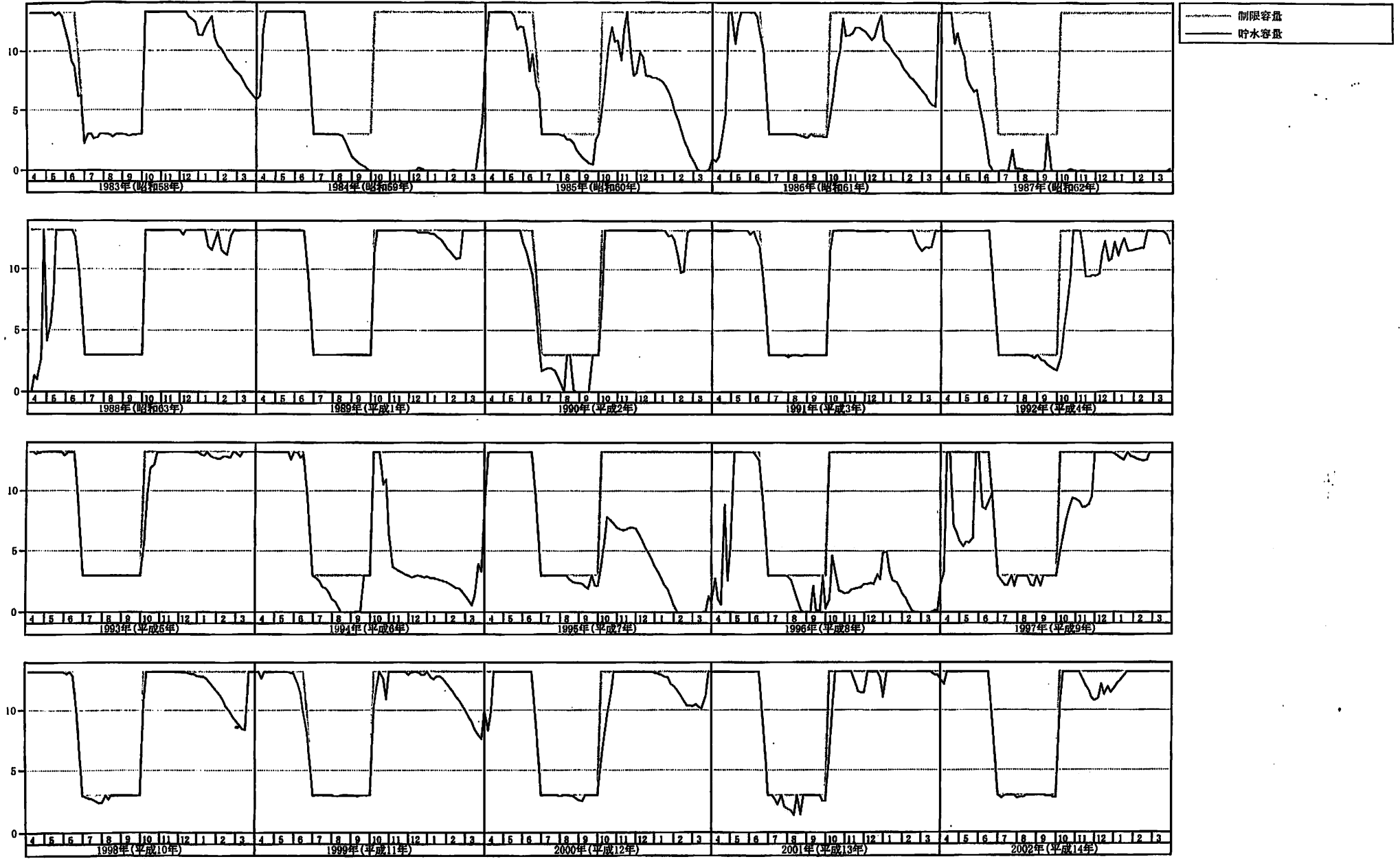
相俣ダム马斯カーブ

(百万 m^3)



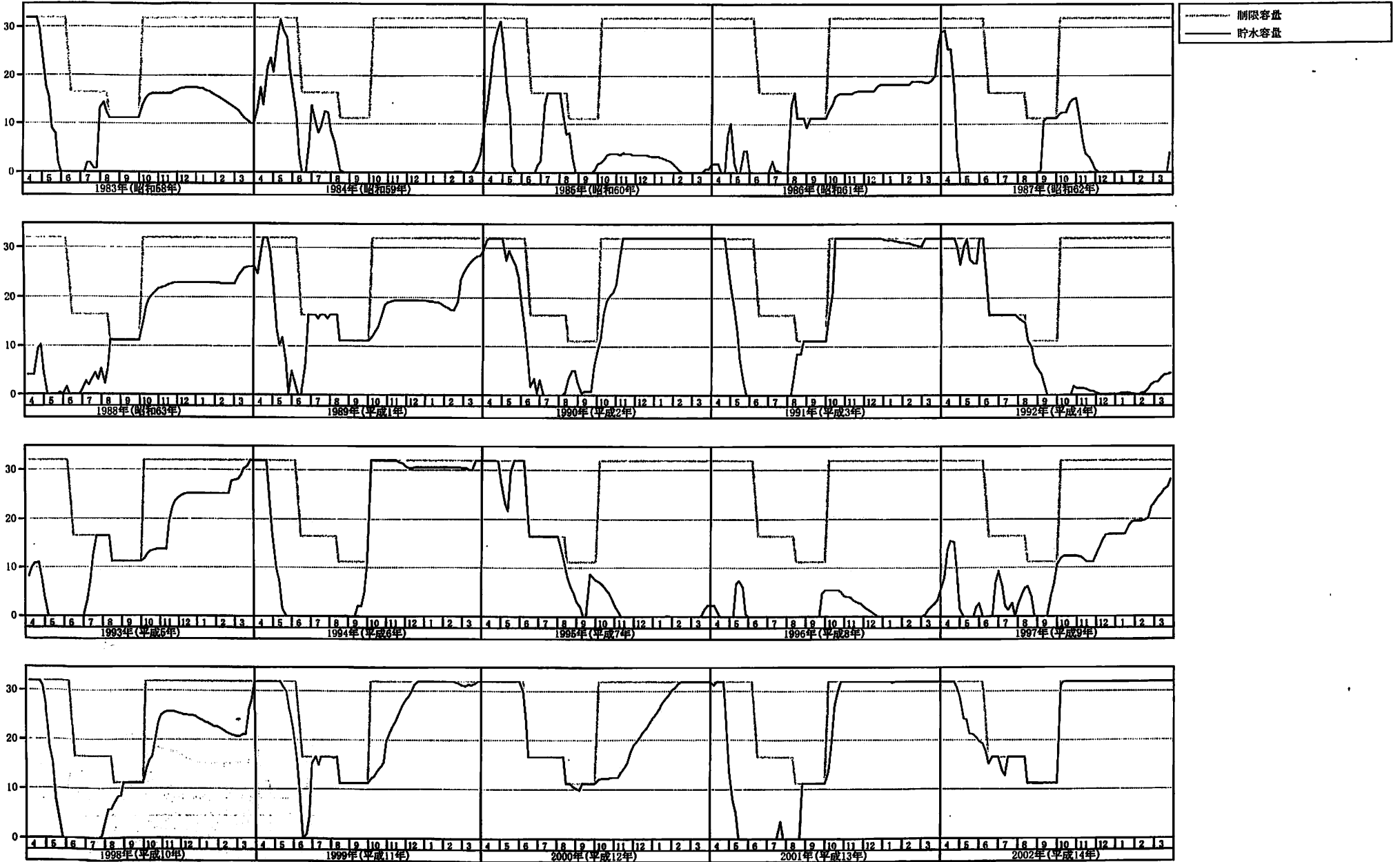
菌原ダムマスカーブ

(百万m³)



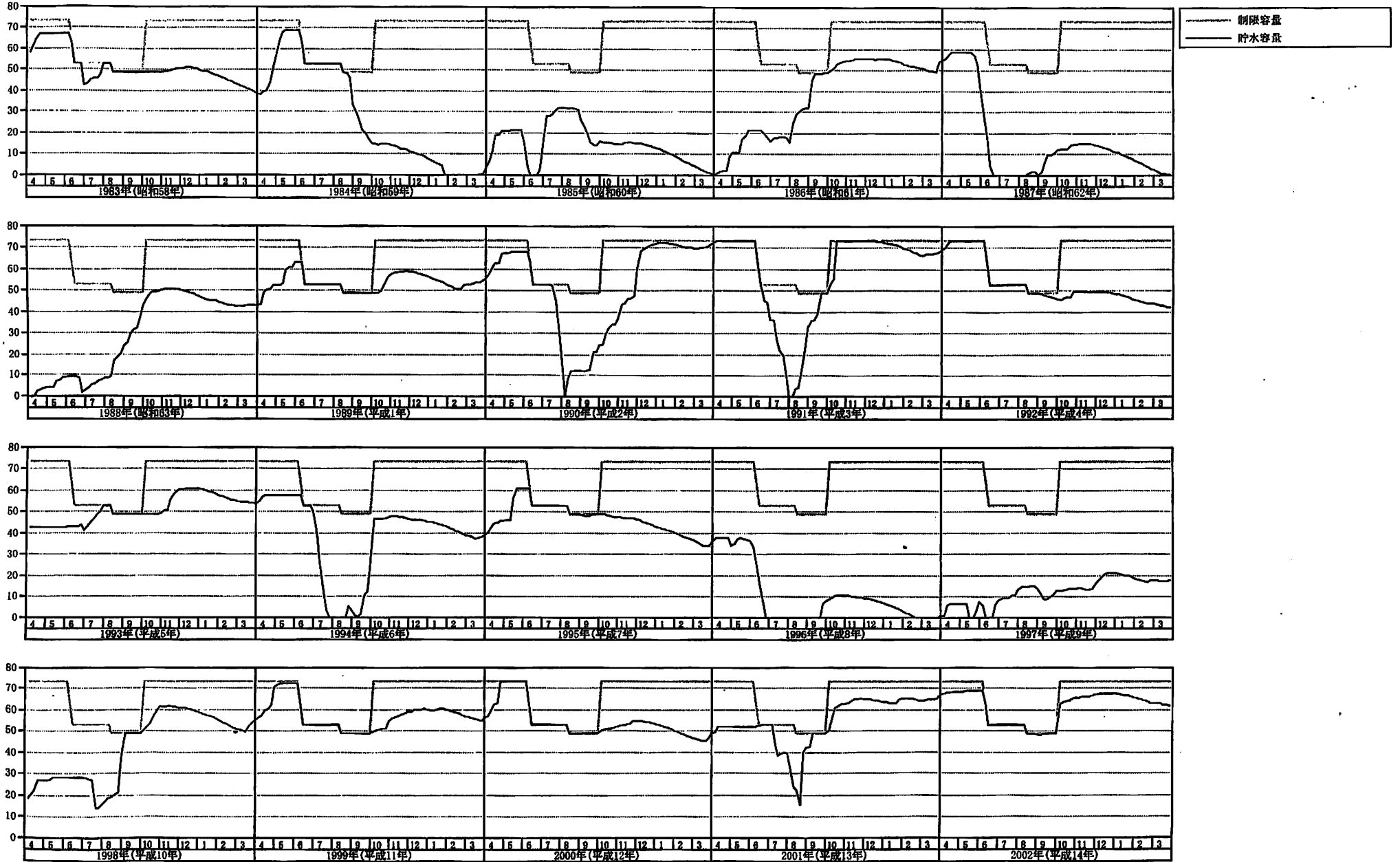
五十里ダム马斯カーブ

(百万m³)



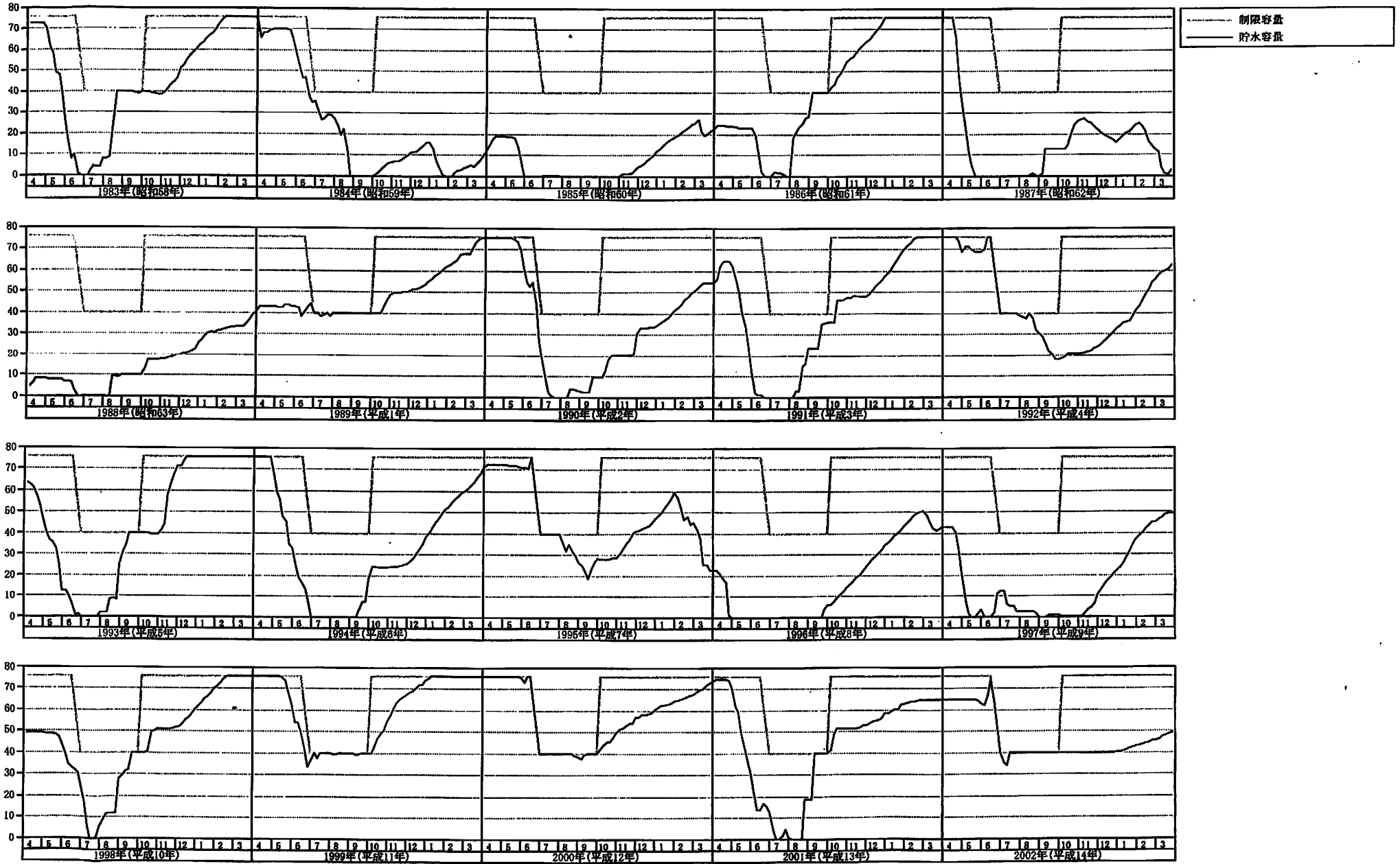
川俣ダムマスカープ

(百万 m^3)



川俣ダム马斯カーブ

(百万m³)



②ダム以外の各利水施設（北千葉導水路等）の運用結果（送水量等）

利根川の利水計算で設定しているダム以外の利水施設は北千葉導水である。

切下げた場合については、新たに運用計算は行わず、切下げ無しの運用結果に対して、以下の式により切下げた場合のデータを作成する。

$$\text{切下げ後取水量} = \text{取水量} \times (100 - \text{切下げ率}(\%)) / 100$$

北千葉導水取水量データ (1/4)

単位 : m³/s

月・半年	1983 (S58)		1984 (S59)		1985 (S60)		1986 (S61)		1987 (S62)		
	取水量	送水量	取水量	送水量	取水量	送水量	取水量	送水量	取水量	送水量	
4	1	10.00	0.00	10.00	10.00	10.00	0.00	10.00	10.00	10.00	10.00
	2	10.00	0.00	10.00	2.27	10.00	0.00	10.00	10.00	10.00	8.03
	3	10.00	0.00	10.00	10.00	10.00	0.00	10.00	10.00	10.00	3.46
	4	10.00	0.00	10.00	1.74	10.00	0.00	10.00	10.00	10.00	10.00
	5	10.00	0.00	10.00	0.00	10.00	0.00	10.00	0.00	10.00	10.00
	6	10.00	0.00	10.00	0.00	10.00	0.00	10.00	0.00	10.00	10.00
5	1	10.00	6.24	10.00	0.00	10.00	0.00	10.00	9.35	10.00	10.00
	2	10.00	5.81	10.00	0.00	10.00	0.00	10.00	0.00	6.63	6.63
	3	0.00	0.00	10.00	0.00	10.00	9.16	10.00	0.00	0.00	0.00
	4	10.00	0.00	10.00	0.00	0.00	0.00	10.00	0.00	3.84	3.84
	5	0.00	0.00	10.00	6.88	10.00	10.00	10.00	0.00	10.00	10.00
	6	9.51	9.51	10.00	5.31	10.00	10.00	10.00	5.72	0.00	0.00
6	1	0.00	0.00	10.00	4.63	0.00	0.00	10.00	2.66	0.00	0.00
	2	0.00	0.00	0.00	0.00	0.00	0.00	3.96	3.96	0.00	0.00
	3	10.00	10.00	10.00	10.00	10.00	8.52	0.00	0.00	0.00	0.00
	4	10.00	10.00	0.00	0.00	10.00	10.00	10.00	1.48	0.00	0.00
	5	10.00	0.00	10.00	0.00	10.00	0.00	10.00	0.00	10.00	10.00
	6	10.00	10.00	10.00	0.00	10.00	0.00	10.00	0.00	0.00	0.00
7	1	10.00	0.00	10.00	0.30	10.00	0.00	10.00	0.00	10.00	10.00
	2	10.00	0.00	10.00	0.00	10.00	0.00	10.00	0.00	10.00	8.58
	3	10.00	0.00	10.00	0.00	10.00	0.00	10.00	0.00	0.00	0.00
	4	10.00	0.00	10.00	0.00	10.00	0.00	10.00	0.00	10.00	0.00
	5	10.00	0.00	10.00	0.00	10.00	0.00	10.00	0.00	10.00	10.00
	6	10.00	0.00	10.00	0.00	10.00	10.00	10.00	7.35	7.35	4.46
8	1	10.00	0.00	10.00	0.00	10.00	10.00	10.00	0.00	10.00	10.00
	2	10.00	9.09	10.00	10.00	0.00	0.00	10.00	0.00	0.00	0.00
	3	10.00	10.00	10.00	9.79	10.00	0.00	10.00	4.55	10.00	4.85
	4	10.00	0.00	0.00	0.00	4.22	4.22	10.00	0.00	10.00	0.00
	5	10.00	0.00	0.00	0.00	2.09	2.09	10.00	0.00	10.00	0.00
	6	10.00	0.00	3.87	3.87	0.00	0.00	10.00	10.00	10.00	6.56
9	1	10.00	0.00	10.00	10.00	10.00	10.00	10.00	0.00	10.00	0.00
	2	10.00	0.00	10.00	10.00	10.00	8.58	10.00	0.00	10.00	0.00
	3	10.00	0.00	10.00	10.00	10.00	10.00	10.00	0.00	10.00	0.00
	4	10.00	0.00	10.00	3.86	10.00	10.00	10.00	0.00	10.00	0.00
	5	10.00	0.00	10.00	5.52	10.00	0.00	10.00	0.00	10.00	0.00
	6	10.00	0.00	10.00	7.54	10.00	0.00	10.00	0.00	10.00	0.00
10	1	10.00	0.00	10.00	6.86	10.00	0.00	10.00	0.00	10.00	0.00
	2	10.00	0.00	10.00	8.33	10.00	0.00	10.00	0.00	10.00	0.00
	3	10.00	0.00	10.00	4.09	10.00	0.00	10.00	0.00	10.00	2.28
	4	10.00	0.00	10.00	5.01	10.00	0.00	10.00	0.81	10.00	0.00
	5	10.00	0.00	10.00	2.12	10.00	0.95	10.00	5.59	10.00	0.33
	6	10.00	0.00	10.00	8.32	10.00	6.28	10.00	6.78	10.00	0.00
11	1	10.00	0.00	10.00	8.93	10.00	8.12	10.00	7.54	10.00	0.03
	2	10.00	0.00	10.00	9.31	10.00	0.00	10.00	8.27	10.00	0.00
	3	10.00	1.59	10.00	10.00	10.00	0.00	10.00	5.83	10.00	4.99
	4	10.00	3.99	10.00	9.22	10.00	7.15	10.00	8.67	10.00	6.40
	5	10.00	3.93	10.00	8.00	10.00	8.20	10.00	9.24	10.00	8.15
	6	10.00	4.72	10.00	10.00	10.00	6.27	10.00	9.92	10.00	9.71
12	1	10.00	5.56	10.00	10.00	10.00	8.90	10.00	10.00	10.00	10.00
	2	10.00	5.37	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
	3	10.00	7.90	10.00	6.86	10.00	10.00	10.00	10.00	10.00	9.07
	4	10.00	10.00	10.00	7.60	10.00	10.00	10.00	7.41	10.00	8.83
	5	10.00	10.00	10.00	10.00	10.00	10.00	10.00	9.57	10.00	10.00
	6	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
1	1	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
	2	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
	3	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
	4	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
	5	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
	6	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
2	1	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
	2	10.00	10.00	10.00	6.63	10.00	10.00	10.00	10.00	10.00	10.00
	3	10.00	10.00	10.00	3.85	10.00	10.00	10.00	10.00	10.00	10.00
	4	10.00	10.00	10.00	9.43	10.00	10.00	10.00	10.00	10.00	10.00
	5	10.00	10.00	10.00	4.43	10.00	10.00	10.00	10.00	10.00	10.00
	6	10.00	10.00	10.00	9.44	10.00	10.00	10.00	10.00	10.00	10.00
3	1	10.00	10.00	10.00	4.10	10.00	10.00	10.00	10.00	10.00	10.00
	2	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
	3	10.00	10.00	10.00	4.38	10.00	10.00	10.00	10.00	10.00	10.00
	4	10.00	10.00	10.00	0.00	10.00	10.00	10.00	10.00	10.00	10.00
	5	10.00	10.00	10.00	0.00	10.00	7.57	10.00	0.00	10.00	10.00
	6	10.00	10.00	10.00	0.00	10.00	9.80	10.00	0.00	10.00	10.00

※取水量は、江戸川分と利根川分を合算したものであり、中川分は含まない
 ※送水量は、取水量のうち利根川から江戸川への送水分

北千葉導水取水量データ (2/4)

単位: m³/s

月・半旬	年度	1988 (S63)		1989 (H01)		1990 (H02)		1991 (H03)		1992 (H04)	
		送水量	送水量	送水量	送水量	送水量	送水量	送水量	送水量	送水量	送水量
4	1	10.00	10.00	10.00	8.16	10.00	0.00	10.00	0.00	10.00	0.00
	2	10.00	10.00	10.00	0.00	10.00	0.00	10.00	0.00	10.00	0.00
	3	10.00	10.00	10.00	0.00	10.00	0.00	10.00	0.00	10.00	0.00
	4	9.39	9.39	10.00	0.00	10.00	0.00	10.00	0.00	10.00	0.00
	5	10.00	1.37	10.00	0.00	10.00	0.00	10.00	0.00	10.00	0.00
	6	9.33	9.33	10.00	0.00	10.00	0.00	10.00	0.00	10.00	4.27
5	1	10.00	10.00	10.00	0.00	10.00	0.00	10.00	0.00	10.00	0.00
	2	10.00	7.17	10.00	0.00	10.00	0.00	3.35	3.35	10.00	5.09
	3	10.00	5.16	10.00	0.00	10.00	0.00	10.00	7.29	10.00	4.97
	4	10.00	0.00	10.00	0.00	10.00	2.92	10.00	6.17	10.00	0.00
	5	10.00	0.00	10.00	0.00	9.43	9.43	0.00	0.00	10.00	0.00
	6	10.00	0.00	10.00	0.00	0.00	0.00	0.00	0.00	10.00	0.00
6	1	10.00	0.00	10.00	0.00	0.00	0.00	10.00	10.00	10.00	0.00
	2	10.00	1.62	10.00	9.54	0.00	0.00	0.00	0.00	10.00	0.00
	3	3.73	3.73	6.70	6.70	10.00	10.00	0.00	0.00	10.00	1.48
	4	10.00	0.60	10.00	0.00	0.00	0.00	0.00	0.00	10.00	0.00
	5	10.00	0.00	10.00	0.00	0.00	0.00	10.00	0.00	10.00	0.00
	6	10.00	0.00	10.00	0.00	0.00	0.00	10.00	0.00	10.00	0.00
7	1	10.00	0.00	10.00	0.00	0.00	0.00	10.00	0.00	10.00	0.00
	2	10.00	0.00	10.00	0.00	10.00	10.00	10.00	0.00	10.00	10.00
	3	10.00	7.49	10.00	0.00	10.00	10.00	10.00	0.00	10.00	5.83
	4	10.00	0.00	10.00	0.00	0.00	0.00	10.00	0.00	10.00	0.00
	5	10.00	0.00	10.00	0.00	0.00	0.00	10.00	3.75	10.00	0.00
	6	10.00	0.00	10.00	0.00	0.00	0.00	0.00	0.00	10.00	10.00
8	1	10.00	0.00	10.00	0.00	0.00	0.00	10.00	4.60	10.00	0.00
	2	10.00	10.00	10.00	0.00	0.00	0.00	10.00	0.00	0.00	0.00
	3	10.00	0.00	10.00	0.00	10.00	0.00	10.00	0.00	10.00	0.00
	4	10.00	0.00	10.00	0.00	10.00	10.00	10.00	10.00	0.00	0.00
	5	10.00	0.00	10.00	0.00	10.00	10.00	10.00	0.00	0.00	0.00
	6	10.00	0.00	10.00	0.00	2.39	2.39	10.00	0.00	10.00	10.00
9	1	10.00	0.00	10.00	0.00	10.00	10.00	10.00	0.00	10.00	10.00
	2	10.00	0.00	10.00	0.00	10.00	10.00	10.00	0.00	10.00	10.00
	3	10.00	0.00	10.00	0.00	10.00	0.00	10.00	0.00	10.00	10.00
	4	10.00	0.00	10.00	0.00	10.00	0.00	10.00	0.00	10.00	9.41
	5	10.00	0.00	10.00	0.00	10.00	0.00	10.00	0.00	10.00	9.45
	6	10.00	0.00	10.00	0.00	10.00	0.00	10.00	0.00	10.00	3.76
10	1	10.00	0.00	10.00	0.00	10.00	0.00	10.00	0.00	10.00	0.58
	2	10.00	0.00	10.00	0.00	10.00	0.00	10.00	0.00	10.00	0.00
	3	10.00	0.00	10.00	0.00	10.00	0.00	10.00	0.00	10.00	0.00
	4	10.00	0.00	10.00	0.00	10.00	0.00	10.00	0.00	10.00	0.00
	5	10.00	0.00	10.00	0.00	10.00	0.00	10.00	0.00	10.00	0.00
	6	10.00	0.00	10.00	0.00	10.00	0.00	10.00	0.00	10.00	0.00
11	1	10.00	0.00	10.00	0.00	10.00	0.00	10.00	0.00	10.00	0.51
	2	10.00	2.25	10.00	0.00	10.00	0.00	10.00	0.00	10.00	4.50
	3	10.00	5.30	10.00	0.02	10.00	0.00	10.00	0.00	10.00	5.12
	4	10.00	4.87	10.00	2.05	10.00	0.00	10.00	0.00	10.00	6.68
	5	10.00	7.31	10.00	4.44	10.00	1.61	10.00	0.00	10.00	0.03
	6	10.00	7.53	10.00	6.43	10.00	0.00	10.00	0.00	10.00	6.65
12	1	10.00	8.18	10.00	7.68	10.00	0.00	10.00	0.00	10.00	7.23
	2	10.00	7.31	10.00	8.11	10.00	0.00	10.00	0.96	10.00	4.79
	3	10.00	7.34	10.00	9.09	10.00	0.00	10.00	2.99	10.00	5.89
	4	10.00	9.32	10.00	7.07	10.00	0.00	10.00	6.31	10.00	8.54
	5	10.00	9.74	10.00	8.97	10.00	0.12	10.00	6.82	10.00	10.00
	6	10.00	10.00	10.00	9.51	10.00	2.23	10.00	5.40	10.00	8.16
1	1	10.00	10.00	10.00	10.00	10.00	5.81	10.00	9.47	10.00	10.00
	2	10.00	10.00	10.00	10.00	10.00	8.10	10.00	6.30	10.00	5.91
	3	10.00	10.00	10.00	10.00	10.00	7.44	10.00	8.04	10.00	8.48
	4	10.00	10.00	10.00	10.00	10.00	8.60	10.00	9.12	10.00	4.75
	5	10.00	4.82	10.00	10.00	10.00	5.45	10.00	10.00	10.00	8.91
	6	10.00	9.01	10.00	10.00	10.00	9.91	10.00	10.00	10.00	1.90
2	1	10.00	10.00	10.00	10.00	10.00	10.00	10.00	8.06	10.00	7.62
	2	10.00	10.00	10.00	10.00	10.00	10.00	10.00	9.88	10.00	7.19
	3	10.00	9.45	10.00	10.00	10.00	10.00	10.00	10.00	10.00	9.02
	4	10.00	0.89	10.00	10.00	10.00	0.00	10.00	10.00	10.00	3.85
	5	10.00	3.91	10.00	0.00	10.00	8.45	10.00	10.00	10.00	2.87
	6	10.00	0.00	10.00	0.00	10.00	8.81	10.00	10.00	10.00	4.85
3	1	10.00	2.56	10.00	0.00	10.00	10.00	10.00	10.00	10.00	6.95
	2	10.00	0.00	10.00	0.30	10.00	8.34	10.00	10.00	10.00	8.55
	3	10.00	4.24	10.00	6.08	10.00	1.48	10.00	10.00	10.00	10.00
	4	10.00	6.46	10.00	6.82	10.00	7.31	10.00	4.74	10.00	9.82
	5	10.00	10.00	10.00	7.36	10.00	0.00	10.00	0.00	10.00	10.00
	6	10.00	5.67	10.00	4.60	10.00	0.00	10.00	0.00	10.00	5.79

※取水量は、江戸川分と利根川分を合算したものであり、中川分は含まない
 ※送水量は、取水量のうち利根川から江戸川への送水分

北千葉導水取水量データ (3/4)

単位：m³/s

年度 月・半旬	1993 (H05)		1994 (H06)		1995 (H07)		1996 (H08)		1997 (H09)		
		送水量		送水量		送水量		送水量		送水量	
4	1	10.00	2.29	10.00	7.95	10.00	0.00	5.58	5.58	7.48	7.48
	2	10.00	7.12	10.00	1.58	10.00	1.19	6.31	6.31	10.00	0.00
	3	10.00	10.00	10.00	0.00	10.00	0.00	7.33	7.33	10.00	0.00
	4	10.00	10.00	10.00	0.00	10.00	0.00	0.00	0.00	10.00	9.61
	5	10.00	0.00	10.00	0.00	10.00	0.00	1.71	1.71	0.00	0.00
	6	10.00	8.66	10.00	10.00	10.00	0.00	10.00	7.54	0.00	0.00
5	1	10.00	1.76	10.00	4.47	10.00	0.00	10.00	0.00	0.00	0.00
	2	10.00	0.00	10.00	10.00	10.00	0.00	10.00	0.00	0.00	0.00
	3	10.00	0.00	10.00	2.37	10.00	0.00	10.00	0.00	0.00	0.00
	4	10.00	0.00	10.00	0.92	10.00	0.00	10.00	0.00	10.00	10.00
	5	10.00	2.74	0.00	0.00	10.00	0.00	10.00	0.00	10.00	0.00
	6	0.00	0.00	10.00	0.00	10.00	0.60	10.00	0.00	10.00	0.00
6	1	10.00	10.00	10.00	10.00	10.00	0.00	10.00	2.12	10.00	10.00
	2	10.00	10.00	0.00	0.00	10.00	0.00	0.00	0.00	10.00	10.00
	3	10.00	10.00	10.00	10.00	10.00	0.00	0.00	0.00	10.00	2.57
	4	10.00	6.83	10.00	1.51	10.00	0.00	0.00	0.00	10.00	0.00
	5	10.00	0.00	10.00	0.17	10.00	0.00	10.00	6.54	10.00	0.00
	6	10.00	0.00	10.00	2.54	10.00	0.00	10.00	0.00	10.00	0.00
7	1	10.00	0.00	0.00	0.00	10.00	0.00	10.00	10.00	10.00	10.00
	2	10.00	0.00	10.00	10.00	10.00	0.00	10.00	0.00	0.00	0.00
	3	10.00	0.00	0.00	0.00	10.00	0.00	10.00	10.00	10.00	4.48
	4	10.00	0.00	10.00	1.72	10.00	0.00	10.00	10.00	10.00	10.00
	5	10.00	0.00	0.00	0.00	10.00	0.00	10.00	7.32	0.00	0.00
	6	10.00	0.00	0.00	0.00	10.00	6.12	5.21	5.21	10.00	0.00
8	1	10.00	0.00	0.00	0.00	0.00	0.00	1.45	1.45	10.00	0.00
	2	10.00	0.00	0.00	0.00	10.00	10.00	0.00	0.00	10.00	0.00
	3	10.00	0.00	0.00	0.00	10.00	10.00	0.00	0.00	10.00	0.00
	4	10.00	0.00	0.13	0.13	10.00	10.00	0.00	0.00	10.00	10.00
	5	10.00	0.00	10.00	0.00	10.00	2.13	0.00	0.00	10.00	10.00
	6	10.00	0.00	10.00	10.00	10.00	10.00	7.18	7.18	10.00	0.00
9	1	10.00	0.00	10.00	8.76	10.00	8.51	10.00	10.00	10.00	0.00
	2	10.00	0.00	10.00	1.47	10.00	10.00	10.00	0.00	10.00	0.00
	3	10.00	0.00	10.00	0.00	10.00	10.00	10.00	0.00	10.00	0.00
	4	10.00	0.00	10.00	0.00	10.00	0.00	10.00	0.15	10.00	0.00
	5	10.00	0.00	10.00	0.00	10.00	0.00	10.00	0.00	10.00	0.00
	6	10.00	0.00	10.00	0.00	10.00	0.00	10.00	0.00	10.00	0.00
10	1	10.00	0.00	10.00	0.00	10.00	0.00	10.00	0.00	10.00	0.00
	2	10.00	0.00	10.00	0.00	10.00	0.00	10.00	0.00	10.00	0.00
	3	10.00	0.00	10.00	0.00	10.00	2.99	10.00	0.00	10.00	4.54
	4	10.00	0.00	10.00	0.00	10.00	5.94	10.00	0.00	10.00	7.26
	5	10.00	0.00	10.00	0.00	10.00	8.60	10.00	5.05	10.00	8.46
	6	10.00	0.00	10.00	0.00	10.00	8.89	10.00	7.83	10.00	10.00
11	1	10.00	0.00	10.00	2.62	10.00	10.00	10.00	3.10	10.00	10.00
	2	10.00	3.85	10.00	3.19	10.00	10.00	10.00	4.47	10.00	10.00
	3	10.00	0.00	10.00	6.60	10.00	10.00	10.00	5.49	10.00	10.00
	4	10.00	0.00	10.00	7.55	10.00	10.00	10.00	8.86	10.00	7.13
	5	10.00	0.00	10.00	6.06	10.00	10.00	10.00	9.29	10.00	9.79
	6	10.00	0.00	10.00	7.68	10.00	10.00	10.00	10.00	10.00	1.30
12	1	10.00	2.42	10.00	8.87	10.00	10.00	10.00	10.00	10.00	0.00
	2	10.00	3.71	10.00	9.85	10.00	10.00	10.00	10.00	10.00	0.96
	3	10.00	2.61	10.00	9.17	10.00	10.00	10.00	10.00	10.00	4.83
	4	10.00	4.54	10.00	9.89	10.00	10.00	10.00	10.00	10.00	6.83
	5	10.00	4.40	10.00	10.00	10.00	10.00	10.00	10.00	10.00	9.83
	6	10.00	6.54	10.00	9.78	10.00	10.00	10.00	10.00	10.00	10.00
1	1	10.00	9.41	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
	2	10.00	9.34	10.00	10.00	10.00	10.00	10.00	8.60	10.00	10.00
	3	10.00	7.62	10.00	10.00	10.00	10.00	10.00	10.00	10.00	9.07
	4	10.00	8.67	10.00	10.00	10.00	10.00	10.00	10.00	10.00	0.00
	5	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	3.31
	6	10.00	9.91	10.00	10.00	10.00	10.00	10.00	10.00	10.00	7.86
2	1	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	9.22
	2	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	9.52
	3	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
	4	10.00	10.00	10.00	10.00	7.70	7.70	10.00	10.00	10.00	5.70
	5	10.00	1.51	10.00	10.00	9.35	9.35	10.00	10.00	10.00	0.00
	6	10.00	9.25	10.00	10.00	10.00	10.00	10.00	10.00	10.00	0.00
3	1	10.00	10.00	10.00	10.00	8.73	8.73	10.00	10.00	10.00	0.00
	2	10.00	8.60	10.00	10.00	7.47	7.47	8.86	8.86	10.00	0.05
	3	10.00	7.51	10.00	10.00	9.92	9.92	7.55	7.55	10.00	0.00
	4	10.00	10.00	10.00	8.64	4.03	4.03	8.61	8.61	10.00	1.65
	5	10.00	4.84	10.00	10.00	8.15	8.15	5.74	5.74	10.00	3.38
	6	10.00	8.41	10.00	2.90	8.62	8.62	10.00	10.00	10.00	0.00

※取水量は、江戸川分と利根川分を合算したものであり、中川分は含まない
 ※送水量は、取水量のうち利根川から江戸川への送水分

北千葉導水取水量データ (4/4)

単位: m³/s

年度 月・半月	1998 (H10)		1999 (H11)		2000 (H12)		2001 (H13)		2002 (H14)		
	送水量		送水量		送水量		送水量		送水量		
4	1	10.00	0.00	10.00	6.52	10.00	10.00	10.00	7.91	10.00	10.00
	2	10.00	0.00	10.00	8.50	10.00	10.00	10.00	0.00	10.00	8.22
	3	10.00	0.00	10.00	0.00	10.00	0.00	10.00	0.00	10.00	0.45
	4	10.00	0.00	10.00	0.00	10.00	4.26	10.00	0.00	10.00	5.75
	5	10.00	0.00	10.00	0.00	10.00	0.00	9.30	9.30	10.00	0.00
	6	10.00	0.00	10.00	0.00	10.00	0.00	10.00	7.90	10.00	4.23
5	1	10.00	0.00	10.00	0.00	10.00	0.00	10.00	4.48	10.00	9.77
	2	10.00	1.33	10.00	0.00	10.00	0.00	10.00	0.84	10.00	5.41
	3	10.00	0.00	10.00	0.00	10.00	0.00	10.00	8.51	10.00	0.00
	4	10.00	0.34	10.00	4.28	10.00	0.00	10.00	8.28	10.00	0.00
	5	10.00	8.03	0.41	0.41	10.00	0.00	10.00	0.00	10.00	0.00
	6	10.00	0.00	5.11	5.11	10.00	0.00	10.00	0.79	10.00	0.00
6	1	10.00	10.00	0.00	0.00	10.00	2.52	10.00	4.00	10.00	0.00
	2	10.00	10.00	0.00	0.00	10.00	8.47	10.00	6.48	10.00	0.00
	3	10.00	0.00	0.00	0.00	10.00	0.00	10.00	0.00	10.00	2.99
	4	10.00	0.97	10.00	10.00	10.00	0.00	10.00	0.00	10.00	0.00
	5	10.00	0.00	10.00	10.00	10.00	0.00	10.00	0.00	10.00	0.00
	6	10.00	0.00	10.00	0.00	10.00	0.00	10.00	0.00	10.00	0.00
7	1	10.00	10.00	10.00	0.00	10.00	0.00	10.00	4.68	10.00	9.34
	2	10.00	7.25	10.00	0.00	10.00	0.00	0.00	0.00	10.00	10.00
	3	10.00	1.30	10.00	0.00	10.00	0.00	0.00	0.00	10.00	0.00
	4	10.00	10.00	10.00	0.00	10.00	0.00	10.00	0.25	10.00	0.00
	5	10.00	0.00	10.00	0.00	10.00	0.00	10.00	5.95	10.00	0.00
	6	10.00	0.00	10.00	0.00	10.00	0.00	4.25	4.25	10.00	1.17
8	1	10.00	0.00	7.91	7.91	10.00	3.06	0.00	0.00	10.00	0.00
	2	10.00	0.00	10.00	0.00	10.00	0.00	0.00	0.00	10.00	1.21
	3	10.00	10.00	10.00	0.00	10.00	0.00	10.00	0.00	10.00	3.37
	4	10.00	0.00	10.00	0.00	10.00	0.00	7.05	7.05	10.00	0.00
	5	10.00	6.03	10.00	0.00	10.00	3.88	10.00	0.00	10.00	0.00
	6	10.00	0.00	10.00	0.00	10.00	10.00	10.00	0.00	10.00	3.43
9	1	10.00	0.00	10.00	0.00	10.00	10.00	10.00	0.00	10.00	0.00
	2	10.00	0.00	10.00	0.00	10.00	0.00	10.00	0.00	10.00	0.00
	3	10.00	0.00	10.00	0.17	10.00	0.00	10.00	0.00	10.00	0.00
	4	10.00	0.00	10.00	0.00	10.00	0.00	10.00	0.00	10.00	0.00
	5	10.00	0.00	10.00	0.00	10.00	0.00	10.00	0.00	10.00	0.00
	6	10.00	0.00	10.00	0.00	10.00	0.00	10.00	0.00	10.00	0.00
10	1	10.00	0.00	10.00	0.00	10.00	0.00	10.00	0.00	10.00	0.00
	2	10.00	0.00	10.00	0.00	10.00	0.00	10.00	0.00	10.00	0.00
	3	10.00	0.00	10.00	0.00	10.00	1.26	10.00	0.00	10.00	0.00
	4	10.00	0.00	10.00	2.23	10.00	5.43	10.00	0.00	10.00	0.00
	5	10.00	0.00	10.00	6.47	10.00	0.00	10.00	0.00	10.00	0.00
	6	10.00	0.00	10.00	0.00	10.00	0.00	10.00	0.00	10.00	0.00
11	1	10.00	0.00	10.00	0.00	10.00	0.00	10.00	0.00	10.00	0.00
	2	10.00	0.00	10.00	3.89	10.00	0.00	10.00	0.00	10.00	5.54
	3	10.00	0.00	10.00	4.19	10.00	1.58	10.00	0.00	10.00	6.57
	4	10.00	0.58	10.00	1.25	10.00	0.00	10.00	0.00	10.00	7.81
	5	10.00	3.59	10.00	6.17	10.00	0.00	10.00	2.23	10.00	9.23
	6	10.00	3.95	10.00	8.40	10.00	5.46	10.00	3.72	10.00	2.96
12	1	10.00	3.85	10.00	7.21	10.00	7.02	10.00	5.59	10.00	7.65
	2	10.00	0.00	10.00	6.07	10.00	5.92	10.00	5.10	10.00	4.68
	3	10.00	6.32	10.00	7.87	10.00	6.83	10.00	5.92	10.00	5.90
	4	10.00	8.10	10.00	10.00	10.00	8.08	10.00	6.50	10.00	7.66
	5	10.00	9.05	10.00	10.00	10.00	8.39	10.00	7.28	10.00	2.52
	6	10.00	10.00	10.00	10.00	10.00	9.61	10.00	10.00	10.00	7.19
1	1	10.00	10.00	10.00	10.00	10.00	10.00	10.00	8.45	10.00	6.94
	2	10.00	10.00	10.00	10.00	10.00	9.22	10.00	5.26	10.00	5.96
	3	10.00	10.00	10.00	7.72	10.00	9.34	10.00	5.19	10.00	6.34
	4	10.00	10.00	10.00	8.04	10.00	10.00	10.00	5.17	10.00	4.97
	5	10.00	10.00	10.00	9.63	10.00	10.00	10.00	0.00	10.00	4.95
	6	10.00	10.00	10.00	10.00	10.00	7.15	10.00	0.00	10.00	3.58
2	1	10.00	10.00	10.00	10.00	10.00	10.00	10.00	0.00	10.00	4.91
	2	10.00	10.00	10.00	10.00	10.00	10.00	10.00	0.00	10.00	4.41
	3	10.00	10.00	10.00	10.00	10.00	10.00	10.00	3.13	10.00	5.73
	4	10.00	10.00	10.00	10.00	10.00	10.00	10.00	3.62	10.00	6.31
	5	10.00	10.00	10.00	10.00	10.00	10.00	10.00	3.39	10.00	4.95
	6	10.00	10.00	10.00	10.00	10.00	10.00	10.00	4.95	10.00	0.44
3	1	10.00	10.00	10.00	10.00	10.00	3.93	10.00	0.42	10.00	0.00
	2	10.00	10.00	10.00	10.00	10.00	10.00	3.89	10.00	0.00	0.00
	3	10.00	10.00	10.00	10.00	10.00	10.00	10.00	8.29	10.00	0.00
	4	10.00	0.12	10.00	10.00	10.00	10.00	10.00	10.00	10.00	4.30
	5	10.00	3.77	10.00	10.00	10.00	8.99	10.00	10.00	10.00	10.00
	6	10.00	0.74	10.00	10.00	10.00	0.00	10.00	10.00	10.00	10.00

※取水量は、江戸川分と利根川分を合算したものであり、中川分は含まない
 ※送水量は、取水量のうち利根川から江戸川への送水分

③本川および支川の各利水基準点の半旬別流量の計算結果

1. 栗橋地点流量計算結果

以下の3ケースについて、栗橋地点の流量の計算結果を次に示す。

ケース	切下げ率	備考	対象年
切下げ無し	0.0%	—	—
安全度 4/20	17.9%	20ヶ年中第4位の不足が解消した切下げ率	1994(H6)年度
安全度 2/20	21.4%	20ヶ年中第2位の不足が解消した切下げ率	1987(S62)年度

※検討期間：1983(S58)年度～2002(H14)年度の20ヶ年

栗橋地点利水計算結果(1983年度)

単位: m³/s

年度	月	半月	日	切下げなし			切下げ率17.9%			切下げ率21.4%		
				自然	操作後	確保量	自然	操作後	確保量	自然	操作後	確保量
1983	4	1	5	405.95	302.97	104.79	405.95	323.35	96.59	405.95	326.17	94.99
1983	4	2	5	317.36	247.15	105.13	317.36	268.57	96.87	317.36	270.33	95.26
1983	4	3	5	491.08	441.14	105.44	491.08	450.08	97.13	491.08	451.83	95.50
1983	4	4	5	533.93	483.09	105.44	533.93	492.19	97.13	533.93	493.97	95.50
1983	4	5	5	414.63	363.98	105.44	414.63	373.05	97.13	414.63	374.82	95.50
1983	4	6	5	300.86	251.09	108.43	300.86	260.00	99.58	300.86	261.74	97.85
1983	5	1	5	235.86	185.69	110.78	235.86	194.64	101.51	235.86	196.39	99.70
1983	5	2	5	222.29	171.05	111.28	222.29	180.10	101.92	222.29	181.89	100.09
1983	5	3	5	155.53	152.16	107.29	155.53	138.14	98.65	155.53	135.40	96.96
1983	5	4	5	302.50	206.26	117.29	302.50	238.05	106.86	302.50	244.17	104.82
1983	5	5	5	114.19	110.03	107.26	114.19	98.62	98.62	114.19	96.93	96.93
1983	5	6	6	69.00	107.16	107.16	69.00	98.54	98.54	69.00	96.85	96.85
1983	6	1	5	45.06	124.78	107.52	45.06	109.10	98.83	45.06	106.03	97.14
1983	6	2	5	58.66	139.36	107.52	58.66	123.68	98.83	58.66	120.61	97.14
1983	6	3	5	125.51	107.52	107.52	125.51	98.83	98.83	125.51	97.14	97.14
1983	6	4	5	47.82	106.81	106.81	47.82	98.25	98.25	47.82	96.58	96.58
1983	6	5	5	321.40	201.94	116.81	321.40	236.44	106.46	321.40	246.24	104.44
1983	6	6	5	100.58	106.81	106.81	100.58	117.66	98.25	100.58	119.49	96.58
1983	7	1	5	343.61	220.71	116.91	343.61	248.69	106.54	343.61	251.30	104.52
1983	7	2	5	584.47	483.79	116.91	584.47	494.78	106.54	584.47	514.15	104.52
1983	7	3	5	304.61	242.84	116.91	304.61	252.48	106.54	304.61	256.25	104.52
1983	7	4	5	335.49	248.76	116.87	335.49	271.46	106.51	335.49	274.47	104.49
1983	7	5	5	448.48	321.60	116.76	448.48	389.24	106.42	448.48	391.63	104.40
1983	7	6	6	692.28	628.53	116.76	692.28	638.94	106.42	692.28	641.26	104.40
1983	8	1	5	423.83	365.33	116.69	423.83	374.12	106.36	423.83	375.84	104.34
1983	8	2	5	183.57	133.77	107.60	183.57	140.77	98.90	183.57	142.14	97.20
1983	8	3	5	157.01	106.68	106.68	157.01	102.74	98.15	157.01	105.26	96.48
1983	8	4	5	2717.27	2566.48	116.68	2717.27	2647.07	106.36	2717.27	2651.86	104.34
1983	8	5	5	852.53	781.85	113.82	852.53	794.50	104.01	852.53	796.98	102.09
1983	8	6	6	333.25	276.93	113.82	333.25	287.01	104.01	333.25	288.98	102.09
1983	9	1	5	205.01	158.55	107.14	205.01	166.87	98.52	205.01	168.49	96.84
1983	9	2	5	374.93	329.39	107.14	374.93	337.54	98.52	374.93	339.14	96.84
1983	9	3	5	286.94	229.95	107.14	286.94	237.60	98.52	286.94	239.09	96.84
1983	9	4	5	332.84	266.69	104.86	332.84	274.47	96.65	332.84	275.99	95.05
1983	9	5	5	425.65	354.67	104.86	425.65	373.99	96.65	425.65	377.77	95.05
1983	9	6	5	1509.01	1460.20	104.86	1509.01	1468.94	96.65	1509.01	1470.65	95.05
1983	10	1	5	762.35	610.14	101.82	762.35	618.73	94.16	762.35	620.52	92.66
1983	10	2	5	479.57	357.66	101.82	479.57	366.27	94.16	479.57	367.96	92.66
1983	10	3	5	383.02	296.02	101.82	383.02	304.47	94.16	383.02	306.12	92.66
1983	10	4	5	331.86	261.85	101.82	331.86	270.18	94.16	331.86	271.81	92.66
1983	10	5	5	281.21	217.72	101.82	281.21	226.15	94.16	281.21	227.80	92.66
1983	10	6	6	257.20	176.01	101.82	257.20	184.36	94.16	257.20	185.99	92.66
1983	11	1	5	215.61	154.14	99.28	215.61	162.60	92.07	215.61	164.25	90.66
1983	11	2	5	202.35	143.25	99.28	202.35	151.75	92.07	202.35	153.41	90.66
1983	11	3	5	185.89	129.78	97.69	185.89	138.16	90.76	185.89	139.80	89.41
1983	11	4	5	171.66	114.02	95.29	171.66	122.48	88.79	171.66	124.14	87.52
1983	11	5	5	173.91	114.43	95.35	173.91	122.85	88.84	173.91	124.49	87.57
1983	11	6	5	164.62	109.29	94.56	164.62	117.74	88.19	164.62	119.39	86.95
1983	12	1	5	152.94	103.75	93.72	152.94	112.14	87.51	152.94	113.78	86.29
1983	12	2	5	148.11	105.03	93.91	148.11	113.42	87.66	148.11	115.06	86.44
1983	12	3	5	133.10	91.38	91.38	133.10	97.10	85.58	133.10	98.79	84.45
1983	12	4	5	113.89	89.28	89.28	113.89	83.86	83.86	113.89	82.80	82.80
1983	12	5	5	118.22	89.28	89.28	118.22	83.86	83.86	118.22	82.80	82.80
1983	12	6	6	108.02	89.28	89.28	108.02	83.86	83.86	108.02	82.80	82.80
1983	1	1	5	110.54	89.28	89.28	110.54	83.86	83.86	110.54	82.80	82.80
1983	1	2	5	115.74	89.28	89.28	115.74	83.86	83.86	115.74	82.80	82.80
1983	1	3	5	115.32	89.28	89.28	115.32	83.86	83.86	115.32	82.80	82.80
1983	1	4	5	112.98	89.28	89.28	112.98	83.86	83.86	112.98	82.80	82.80
1983	1	5	5	114.33	89.28	89.28	114.33	83.86	83.86	114.33	82.80	82.80
1983	1	6	6	109.92	89.28	89.28	109.92	83.86	83.86	109.92	82.80	82.80
1983	2	1	5	108.32	89.28	89.28	108.32	83.86	83.86	108.32	82.80	82.80
1983	2	2	5	103.18	89.28	89.28	103.18	83.86	83.86	103.18	82.80	82.80
1983	2	3	5	96.74	89.28	89.28	96.74	83.86	83.86	96.74	82.80	82.80
1983	2	4	5	99.68	89.28	89.28	99.68	83.86	83.86	99.68	82.80	82.80
1983	2	5	5	105.35	89.28	89.28	105.35	83.86	83.86	105.35	82.80	82.80
1983	2	6	4	112.57	89.28	89.28	112.57	83.86	83.86	112.57	82.80	82.80
1983	3	1	5	100.02	89.28	89.28	100.02	83.86	83.86	100.02	82.80	82.80
1983	3	2	5	100.71	89.28	89.28	100.71	83.86	83.86	100.71	82.80	82.80
1983	3	3	5	97.10	89.28	89.28	97.10	83.86	83.86	97.10	82.80	82.80
1983	3	4	5	111.94	89.28	89.28	111.94	83.86	83.86	111.94	82.80	82.80
1983	3	5	5	115.30	89.28	89.28	115.30	83.86	83.86	115.30	82.80	82.80
1983	3	6	6	116.52	89.28	89.28	116.52	83.86	83.86	116.52	82.80	82.80

栗橋地点利水計算結果(1984年度)

単位:m³/s

年度	月	半月	日数	切下げなし			切下げ率17.9%			切下げ率21.4%		
				自然	操作後	確保量	自然	操作後	確保量	自然	操作後	確保量
				1984	4	1	5	166.14	94.79	94.79	166.14	88.38
1984	4	2	5	249.98	127.61	102.86	249.98	147.59	95.01	249.98	150.07	93.47
1984	4	3	5	190.57	95.44	95.44	190.57	103.60	88.92	190.57	103.58	87.64
1984	4	4	5	309.46	139.47	103.70	309.46	148.28	95.70	309.46	155.01	94.13
1984	4	5	5	365.85	210.44	105.44	365.85	247.76	97.13	365.85	277.19	95.50
1984	4	6	5	360.89	193.42	108.43	360.89	312.24	99.58	360.89	321.24	97.85
1984	5	1	5	500.95	354.27	117.02	500.95	454.91	106.63	500.95	456.61	104.60
1984	5	2	5	372.76	303.22	117.09	372.76	329.24	106.69	372.76	330.94	104.66
1984	5	3	5	322.00	272.16	117.29	322.00	280.61	106.86	322.00	282.26	104.82
1984	5	4	5	301.93	250.17	117.29	301.93	258.34	106.86	301.93	259.94	104.82
1984	5	5	5	220.27	170.10	110.38	220.27	177.94	101.18	220.27	179.62	99.38
1984	5	6	6	231.66	182.92	111.85	231.66	190.36	102.39	231.66	192.05	100.54
1984	6	1	5	205.64	153.06	112.89	205.64	161.86	103.24	205.64	163.57	101.36
1984	6	2	5	162.44	127.06	107.52	162.44	120.28	98.83	162.44	122.06	97.14
1984	6	3	5	135.29	108.47	107.52	135.29	98.83	98.83	135.29	97.14	97.14
1984	6	4	5	100.74	126.90	106.81	100.74	154.37	98.25	100.74	159.28	96.58
1984	6	5	5	256.73	278.73	116.81	256.73	309.19	106.46	256.73	324.49	104.44
1984	6	6	5	479.82	498.62	116.81	479.82	558.81	106.46	479.82	565.67	104.44
1984	7	1	5	252.56	180.33	116.61	252.56	194.91	106.30	252.56	197.35	104.28
1984	7	2	5	302.49	236.97	116.91	302.49	248.15	106.54	302.49	250.45	104.52
1984	7	3	5	288.62	223.92	116.91	288.62	234.32	106.54	288.62	236.35	104.52
1984	7	4	5	376.27	305.24	116.87	376.27	315.92	106.51	376.27	318.01	104.49
1984	7	5	5	455.78	382.84	116.76	455.78	393.69	106.42	455.78	395.87	104.40
1984	7	6	6	457.18	377.64	116.76	457.18	403.80	106.42	457.18	406.87	104.40
1984	8	1	5	276.05	211.12	116.69	276.05	226.72	106.36	276.05	228.82	104.34
1984	8	2	5	201.19	153.66	106.69	201.19	154.50	98.15	201.19	156.20	96.48
1984	8	3	5	197.59	148.32	106.89	197.59	153.69	98.32	197.59	155.55	96.64
1984	8	4	5	56.28	136.96	106.68	56.28	98.15	98.15	56.28	96.48	96.48
1984	8	5	5	58.35	127.53	103.82	58.35	109.22	95.80	58.35	104.21	94.23
1984	8	6	6	65.27	115.82	103.82	65.27	102.29	95.80	65.27	99.67	94.23
1984	9	1	5	55.31	97.14	97.14	55.31	90.31	90.31	55.31	88.98	88.98
1984	9	2	5	96.32	97.14	97.14	96.32	90.31	90.31	96.32	88.98	88.98
1984	9	3	5	120.35	97.14	97.14	120.35	90.31	90.31	120.35	88.98	88.98
1984	9	4	5	164.41	103.35	101.00	164.41	109.33	93.48	164.41	110.50	92.01
1984	9	5	5	153.57	104.31	99.34	153.57	110.79	92.12	153.57	112.06	90.71
1984	9	6	5	138.77	99.32	97.32	138.77	105.77	90.46	138.77	107.03	89.12
1984	10	1	5	148.82	94.96	94.96	148.82	88.52	88.52	148.82	87.26	87.26
1984	10	2	5	130.61	93.49	93.49	130.61	87.32	87.32	130.61	86.11	86.11
1984	10	3	5	170.27	98.38	97.73	170.27	114.94	90.80	170.27	119.43	89.44
1984	10	4	5	160.80	102.98	96.81	160.80	117.78	90.04	160.80	118.33	88.72
1984	10	5	5	179.82	131.35	99.70	179.82	134.87	92.41	179.82	135.54	90.99
1984	10	6	6	133.29	93.50	93.50	133.29	97.59	87.32	133.29	98.93	86.12
1984	11	1	5	125.51	90.35	90.35	125.51	88.37	84.74	125.51	89.00	83.64
1984	11	2	5	126.19	89.97	89.97	126.19	85.24	84.43	126.19	85.94	83.34
1984	11	3	5	121.41	89.28	89.28	121.41	83.86	83.86	121.41	82.80	82.80
1984	11	4	5	128.06	90.06	90.06	128.06	84.50	84.50	128.06	86.24	83.41
1984	11	5	5	132.00	91.28	91.28	132.00	95.21	85.50	132.00	96.67	84.37
1984	11	6	5	109.68	89.28	89.28	109.68	83.86	83.86	109.68	82.80	82.80
1984	12	1	5	107.61	89.28	89.28	107.61	83.86	83.86	107.61	82.80	82.80
1984	12	2	5	102.14	89.28	89.28	102.14	83.86	83.86	102.14	82.80	82.80
1984	12	3	5	159.66	92.42	92.42	159.66	86.44	86.44	159.66	85.27	85.27
1984	12	4	5	137.93	91.68	91.68	137.93	85.83	85.83	137.93	91.06	84.69
1984	12	5	5	113.39	89.28	89.28	113.39	83.86	83.86	113.39	82.80	82.80
1984	12	6	6	102.90	76.50	89.28	102.90	83.86	83.86	102.90	82.80	82.80
1984	1	1	5	92.72	53.93	89.28	92.72	83.86	83.86	92.72	82.80	82.80
1984	1	2	5	97.86	59.23	89.28	97.86	83.86	83.86	97.86	82.80	82.80
1984	1	3	5	94.31	55.67	89.28	94.31	83.86	83.86	94.31	82.80	82.80
1984	1	4	5	93.21	55.05	89.28	93.21	83.86	83.86	93.21	82.80	82.80
1984	1	5	5	90.39	52.35	89.28	90.39	83.86	83.86	90.39	82.80	82.80
1984	1	6	6	87.12	49.08	89.28	87.12	83.86	83.86	87.12	82.80	82.80
1984	2	1	5	86.74	48.59	89.28	86.74	83.86	83.86	86.74	82.80	82.80
1984	2	2	5	155.31	93.63	92.65	155.31	86.63	86.63	155.31	85.45	85.45
1984	2	3	5	164.70	97.17	95.43	164.70	101.20	88.91	164.70	101.99	87.63
1984	2	4	5	122.11	89.85	89.85	122.11	84.33	84.33	122.11	83.25	83.25
1984	2	5	5	154.97	94.85	94.85	154.97	100.60	88.43	154.97	104.25	87.18
1984	2	6	3	121.85	89.84	89.84	121.85	84.32	84.32	121.85	88.19	83.24
1984	3	1	5	171.86	99.06	95.18	171.86	122.65	88.70	171.86	124.07	87.44
1984	3	2	5	149.43	100.80	89.28	149.43	97.90	83.86	149.43	99.34	82.80
1984	3	3	5	186.65	119.61	94.90	186.65	136.04	88.47	186.65	137.46	87.22
1984	3	4	5	257.14	171.13	99.28	257.14	179.56	92.07	257.14	181.21	90.66
1984	3	5	5	261.47	185.77	99.28	261.47	194.51	92.07	261.47	196.22	90.66
1984	3	6	6	288.91	179.97	99.28	288.91	188.61	92.07	288.91	190.34	90.66

栗橋地点利水計算結果(1985年度)

単位：m³/s

年度	月	半旬	日数	切下げなし			切下げ率17.9%			切下げ率21.4%		
				自然	操作後	確保量	自然	操作後	確保量	自然	操作後	確保量
1985	4	1	5	357.73	195.41	104.79	357.73	204.22	96.59	357.73	205.98	94.99
1985	4	2	5	443.31	276.51	105.13	443.31	285.52	96.87	443.31	287.28	95.26
1985	4	3	5	541.69	342.79	105.44	541.69	351.73	97.13	541.69	356.94	95.50
1985	4	4	5	405.49	267.30	105.44	405.49	285.85	97.13	405.49	290.37	95.50
1985	4	5	5	563.56	388.44	105.44	563.56	397.51	97.13	563.56	399.28	95.50
1985	4	6	5	394.59	258.13	108.43	394.59	267.04	99.58	394.59	268.78	97.85
1985	5	1	5	282.19	136.46	117.02	282.19	145.12	106.63	282.19	146.82	104.60
1985	5	2	5	277.05	142.14	117.09	277.05	151.02	106.69	277.05	152.76	104.66
1985	5	3	5	198.19	134.42	108.13	198.19	128.13	99.34	198.19	129.82	97.62
1985	5	4	5	127.76	138.39	107.29	127.76	124.39	98.65	127.76	121.66	96.96
1985	5	5	5	174.33	107.26	107.26	174.33	98.62	98.62	174.33	96.93	96.93
1985	5	6	6	137.44	107.16	107.16	137.44	98.54	98.54	137.44	96.85	96.85
1985	6	1	5	69.28	138.79	107.52	69.28	125.43	98.83	69.28	122.81	97.14
1985	6	2	5	76.81	141.41	107.52	76.81	127.46	98.83	76.81	124.77	97.14
1985	6	3	5	226.24	109.00	109.00	226.24	112.62	100.05	226.24	113.94	98.30
1985	6	4	5	195.50	106.81	106.81	195.50	130.80	98.25	195.50	140.51	96.58
1985	6	5	5	565.07	480.10	116.81	565.07	529.64	106.46	565.07	576.40	104.44
1985	6	6	5	1210.13	1161.58	116.81	1210.13	1275.83	106.46	1210.13	1285.91	104.44
1985	7	1	5	2353.25	2240.37	116.91	2353.25	2272.14	106.54	2353.25	2274.58	104.52
1985	7	2	5	533.53	466.99	116.91	533.53	478.76	106.54	533.53	481.06	104.52
1985	7	3	5	640.06	566.56	116.91	640.06	578.64	106.54	640.06	581.00	104.52
1985	7	4	5	345.90	274.94	116.87	345.90	287.49	106.51	345.90	289.94	104.49
1985	7	5	5	432.17	356.46	116.76	432.17	369.29	106.42	432.17	371.79	104.40
1985	7	6	6	147.28	106.76	106.76	147.28	100.16	98.21	147.28	101.63	96.54
1985	8	1	5	126.44	106.69	106.69	126.44	98.15	98.15	126.44	96.48	96.48
1985	8	2	5	84.85	106.69	106.69	84.85	98.15	98.15	84.85	96.48	96.48
1985	8	3	5	338.84	243.58	116.68	338.84	259.77	106.36	338.84	262.50	104.34
1985	8	4	5	59.22	107.26	106.68	59.22	98.15	98.15	59.22	96.48	96.48
1985	8	5	5	45.98	116.63	103.82	45.98	95.80	95.80	45.98	94.23	94.23
1985	8	6	6	85.87	110.39	103.82	85.87	95.80	95.80	85.87	94.23	94.23
1985	9	1	5	55.01	97.14	97.14	55.01	90.31	90.31	55.01	88.98	88.98
1985	9	2	5	140.67	98.56	98.56	140.67	91.48	91.48	140.67	90.09	90.09
1985	9	3	5	84.16	97.14	97.14	84.16	90.31	90.31	84.16	88.98	88.98
1985	9	4	5	132.31	94.86	94.86	132.31	88.44	88.44	132.31	87.19	87.19
1985	9	5	5	352.61	201.38	104.86	352.61	212.16	96.65	352.61	214.44	95.05
1985	9	6	5	468.79	329.47	104.86	468.79	350.40	96.65	468.79	361.34	95.05
1985	10	1	5	416.92	293.08	101.82	416.92	313.36	94.16	416.92	315.00	92.66
1985	10	2	5	384.20	250.19	101.82	384.20	258.52	94.16	384.20	260.14	92.66
1985	10	3	5	385.26	267.77	101.82	385.26	276.22	94.16	385.26	277.87	92.66
1985	10	4	5	278.77	190.45	101.82	278.77	201.39	94.16	278.77	203.02	92.66
1985	10	5	5	212.90	138.25	100.87	212.90	150.34	93.38	212.90	151.74	91.91
1985	10	6	6	175.68	103.78	95.54	175.68	114.23	89.00	175.68	115.64	87.72
1985	11	1	5	162.06	91.16	91.16	162.06	98.92	85.40	162.06	100.34	84.28
1985	11	2	5	297.76	192.45	99.28	297.76	208.16	92.07	297.76	210.98	90.66
1985	11	3	5	213.03	141.60	99.28	213.03	153.13	92.07	213.03	155.89	90.66
1985	11	4	5	155.92	95.45	92.13	155.92	102.69	86.20	155.92	104.45	85.04
1985	11	5	5	163.64	91.08	91.08	163.64	95.87	85.34	163.64	97.54	84.21
1985	11	6	5	159.19	99.62	93.01	159.19	108.88	86.92	159.19	110.45	85.73
1985	12	1	5	142.80	90.38	90.38	142.80	90.32	84.76	142.80	92.04	83.66
1985	12	2	5	137.89	89.28	89.28	137.89	83.86	83.86	137.89	82.80	82.80
1985	12	3	5	121.56	89.28	89.28	121.56	83.86	83.86	121.56	82.80	82.80
1985	12	4	5	117.80	89.28	89.28	117.80	83.86	83.86	117.80	82.80	82.80
1985	12	5	5	108.60	89.28	89.28	108.60	83.86	83.86	108.60	82.80	82.80
1985	12	6	6	109.94	89.28	89.28	109.94	83.86	83.86	109.94	82.80	82.80
1985	1	1	5	100.84	89.28	89.28	100.84	83.86	83.86	100.84	82.80	82.80
1985	1	2	5	98.22	89.28	89.28	98.22	83.86	83.86	98.22	82.80	82.80
1985	1	3	5	94.58	89.28	89.28	94.58	83.86	83.86	94.58	82.80	82.80
1985	1	4	5	91.47	89.28	89.28	91.47	83.86	83.86	91.47	82.80	82.80
1985	1	5	5	92.39	89.28	89.28	92.39	83.86	83.86	92.39	82.80	82.80
1985	1	6	6	86.62	89.28	89.28	86.62	83.86	83.86	86.62	82.80	82.80
1985	2	1	5	83.20	89.28	89.28	83.20	83.86	83.86	83.20	82.80	82.80
1985	2	2	5	79.41	89.28	89.28	79.41	83.86	83.86	79.41	82.80	82.80
1985	2	3	5	80.24	89.28	89.28	80.24	83.86	83.86	80.24	82.80	82.80
1985	2	4	5	84.44	89.28	89.28	84.44	83.86	83.86	84.44	82.80	82.80
1985	2	5	5	82.13	89.28	89.28	82.13	83.86	83.86	82.13	82.80	82.80
1985	2	6	3	78.80	89.28	89.28	78.80	83.86	83.86	78.80	82.80	82.80
1985	3	1	5	76.72	89.28	89.28	76.72	83.86	83.86	76.72	82.80	82.80
1985	3	2	5	82.03	43.88	89.28	82.03	83.86	83.86	82.03	82.80	82.80
1985	3	3	5	113.89	64.69	89.28	113.89	83.86	83.86	113.89	82.80	82.80
1985	3	4	5	123.31	74.59	89.28	123.31	83.86	83.86	123.31	82.80	82.80
1985	3	5	5	168.73	91.71	91.71	168.73	93.90	85.85	168.73	94.60	84.71
1985	3	6	6	163.80	89.48	89.48	163.80	84.02	84.02	163.80	82.96	82.96

栗橋地点利水計算結果(1986年度)

単位：m³/s

年度	月	半旬	日数	切下げなし			切下げ率17.9%			切下げ率21.4%		
				自然	操作後	確保量	自然	操作後	確保量	自然	操作後	確保量
				1986	4	1	5	175.49	94.79	94.79	175.49	88.38
1986	4	2	5	176.65	95.13	95.13	176.65	88.66	88.66	176.65	87.40	87.40
1986	4	3	5	210.98	95.44	95.44	210.98	88.92	88.92	210.98	90.64	87.64
1986	4	4	5	246.99	109.54	95.44	246.99	112.70	88.92	246.99	122.41	87.64
1986	4	5	5	612.49	287.85	105.44	612.49	356.20	97.13	612.49	359.11	95.50
1986	4	6	5	434.51	208.78	108.43	434.51	264.31	99.58	434.51	312.38	97.85
1986	5	1	5	260.98	140.15	107.67	260.98	198.34	98.96	260.98	216.01	97.25
1986	5	2	5	293.19	140.09	117.09	293.19	236.49	106.69	293.19	245.83	104.66
1986	5	3	5	284.71	147.85	117.29	284.71	232.59	106.86	284.71	234.35	104.82
1986	5	4	5	428.49	331.30	117.29	428.49	373.55	106.86	428.49	375.30	104.82
1986	5	5	5	260.51	190.09	117.26	260.51	210.03	106.83	260.51	211.75	104.79
1986	5	6	6	209.79	142.13	111.44	209.79	161.54	102.05	209.79	163.28	100.22
1986	6	1	5	233.14	162.42	114.86	233.14	182.56	104.86	233.14	184.44	102.91
1986	6	2	5	155.61	111.69	107.52	155.61	105.19	98.83	155.61	107.10	97.14
1986	6	3	5	60.43	120.44	107.52	60.43	106.46	98.83	60.43	98.14	97.14
1986	6	4	5	233.57	156.21	115.33	233.57	203.56	105.25	233.57	215.95	103.28
1986	6	5	5	162.67	200.09	116.81	162.67	229.78	106.46	162.67	231.59	104.44
1986	6	6	5	351.29	395.83	116.81	351.29	406.66	106.46	351.29	416.95	104.44
1986	7	1	5	541.93	457.94	116.91	541.93	468.84	106.54	541.93	476.39	104.52
1986	7	2	5	332.11	263.23	116.91	332.11	273.44	106.54	332.11	277.72	104.52
1986	7	3	5	306.36	236.94	116.91	306.36	247.34	106.54	306.36	252.67	104.52
1986	7	4	5	302.08	229.68	116.87	302.08	240.47	106.51	302.08	246.40	104.49
1986	7	5	5	311.26	239.44	116.76	311.26	251.74	106.42	311.26	254.24	104.40
1986	7	6	6	167.97	116.65	106.76	167.97	115.81	98.21	167.97	117.71	96.54
1986	8	1	5	604.93	491.52	116.69	604.93	534.66	106.36	604.93	542.87	104.34
1986	8	2	5	851.63	774.50	116.69	851.63	803.23	106.36	851.63	805.30	104.34
1986	8	3	5	204.82	151.59	112.13	204.82	161.11	102.62	204.82	162.97	100.76
1986	8	4	5	312.02	253.18	116.68	312.02	261.99	106.36	312.02	263.82	104.34
1986	8	5	5	315.17	251.01	113.82	315.17	268.96	104.01	315.17	270.73	102.09
1986	8	6	6	151.65	106.00	103.82	151.65	112.71	95.80	151.65	114.37	94.23
1986	9	1	5	1303.70	1122.35	107.14	1303.70	1236.49	98.52	1303.70	1238.57	96.84
1986	9	2	5	461.27	404.96	107.14	461.27	412.84	98.52	461.27	414.38	96.84
1986	9	3	5	345.55	289.57	107.14	345.55	297.22	98.52	345.55	298.71	96.84
1986	9	4	5	334.05	274.21	104.86	334.05	281.99	96.65	334.05	283.51	95.05
1986	9	5	5	241.52	195.78	104.86	241.52	203.57	96.65	241.52	205.09	95.05
1986	9	6	5	197.21	153.50	104.86	197.21	161.32	96.65	197.21	162.85	95.05
1986	10	1	5	270.63	182.28	101.82	270.63	189.39	94.16	270.63	190.78	92.66
1986	10	2	5	243.69	163.01	101.82	243.69	170.17	94.16	243.69	171.57	92.66
1986	10	3	5	257.78	179.48	101.82	257.78	186.65	94.16	257.78	188.06	92.66
1986	10	4	5	215.36	137.47	101.01	215.36	145.80	93.49	215.36	147.42	92.02
1986	10	5	5	200.60	107.33	96.23	200.60	114.94	89.57	200.60	116.64	88.26
1986	10	6	6	172.83	101.07	95.04	172.83	107.89	88.59	172.83	109.30	87.33
1986	11	1	5	159.33	93.89	91.74	159.33	98.87	85.88	159.33	100.29	84.73
1986	11	2	5	154.66	91.01	91.01	154.66	93.18	85.28	154.66	94.60	84.16
1986	11	3	5	162.76	93.45	93.45	162.76	91.96	87.28	162.76	98.93	86.08
1986	11	4	5	140.94	90.61	90.61	140.94	89.23	84.95	140.94	90.88	83.85
1986	11	5	5	136.95	90.04	90.04	136.95	86.16	84.48	136.95	87.80	83.40
1986	11	6	5	131.72	89.36	89.36	131.72	83.93	83.93	131.72	85.49	82.86
1986	12	1	5	116.65	89.28	89.28	116.65	83.86	83.86	116.65	82.80	82.80
1986	12	2	5	114.30	89.28	89.28	114.30	83.86	83.86	114.30	82.80	82.80
1986	12	3	5	117.26	89.28	89.28	117.26	83.86	83.86	117.26	82.80	82.80
1986	12	4	5	159.11	91.87	91.87	159.11	90.64	85.99	159.11	97.67	84.84
1986	12	5	5	135.93	89.71	89.71	135.93	86.66	84.21	135.93	88.30	83.14
1986	12	6	6	122.01	89.28	89.28	122.01	83.86	83.86	122.01	82.80	82.80
1986	1	1	5	108.08	89.28	89.28	108.08	83.86	83.86	108.08	82.80	82.80
1986	1	2	5	108.92	89.28	89.28	108.92	83.86	83.86	108.92	82.80	82.80
1986	1	3	5	100.84	89.28	89.28	100.84	83.86	83.86	100.84	82.80	82.80
1986	1	4	5	99.98	89.28	89.28	99.98	83.86	83.86	99.98	82.80	82.80
1986	1	5	5	106.38	89.28	89.28	106.38	83.86	83.86	106.38	82.80	82.80
1986	1	6	6	98.51	89.28	89.28	98.51	83.86	83.86	98.51	82.80	82.80
1986	2	1	5	100.22	89.28	89.28	100.22	83.86	83.86	100.22	82.80	82.80
1986	2	2	5	99.90	89.28	89.28	99.90	83.86	83.86	99.90	82.80	82.80
1986	2	3	5	123.75	89.28	89.28	123.75	83.86	83.86	123.75	82.80	82.80
1986	2	4	5	102.26	89.28	89.28	102.26	83.86	83.86	102.26	82.80	82.80
1986	2	5	5	102.87	89.28	89.28	102.87	83.86	83.86	102.87	82.80	82.80
1986	2	6	3	99.27	89.28	89.28	99.27	83.86	83.86	99.27	82.80	82.80
1986	3	1	5	95.70	89.28	89.28	95.70	83.86	83.86	95.70	82.80	82.80
1986	3	2	5	95.37	89.28	89.28	95.37	83.86	83.86	95.37	82.80	82.80
1986	3	3	5	109.40	89.28	89.28	109.40	83.86	83.86	109.40	82.80	82.80
1986	3	4	5	126.89	89.28	89.28	126.89	83.86	83.86	126.89	82.80	82.80
1986	3	5	5	356.79	149.76	99.28	356.79	170.43	92.07	356.79	178.90	90.66
1986	3	6	6	268.60	158.37	99.28	268.60	173.60	92.07	268.60	177.08	90.66

栗橋地点利水計算結果(1987年度)

単位: m^3/s

年度	月	半旬	日割	切下げなし			切下げ率17.9%			切下げ率21.4%		
				自然	操作後	確保量	自然	操作後	確保量	自然	操作後	確保量
1987	4	1	5	161.60	94.79	94.79	161.60	88.38	88.38	161.60	87.28	87.13
1987	4	2	5	256.60	97.10	97.10	256.60	124.59	90.28	256.60	155.22	88.95
1987	4	3	5	213.18	112.23	101.98	213.18	166.57	94.29	213.18	173.87	92.78
1987	4	4	5	173.09	95.44	95.44	173.09	131.85	88.92	173.09	133.53	87.64
1987	4	5	5	215.04	112.53	95.44	215.04	174.61	88.92	215.04	176.34	87.64
1987	4	6	5	132.84	164.09	98.43	132.84	148.43	91.37	132.84	145.37	89.99
1987	5	1	5	144.82	170.71	107.02	144.82	155.03	98.42	144.82	151.97	96.74
1987	5	2	5	80.23	172.24	107.09	80.23	157.16	98.48	80.23	154.21	96.80
1987	5	3	5	166.84	147.68	107.29	166.84	133.42	98.65	166.84	130.63	96.96
1987	5	4	5	126.30	107.29	107.29	126.30	98.65	98.65	126.30	96.96	96.96
1987	5	5	5	167.31	107.26	107.26	167.31	98.62	98.62	167.31	96.93	96.93
1987	5	6	6	86.00	116.20	107.16	86.00	102.22	98.54	86.00	99.49	96.85
1987	6	1	5	57.64	148.33	107.52	57.64	132.69	98.83	57.64	129.63	97.14
1987	6	2	5	47.41	143.53	107.52	47.41	127.85	98.83	47.41	124.78	97.14
1987	6	3	5	16.65	119.76	107.52	16.65	98.83	98.83	16.65	97.14	97.14
1987	6	4	5	23.23	22.85	106.81	23.23	98.25	98.25	23.23	96.58	96.58
1987	6	5	5	77.64	54.51	106.81	77.64	98.25	98.25	77.64	96.58	96.58
1987	6	6	5	18.34	18.34	106.81	18.34	98.25	98.25	18.34	96.58	96.58
1987	7	1	5	175.98	106.91	106.91	175.98	98.33	98.33	175.98	96.66	96.66
1987	7	2	5	192.10	108.33	108.33	192.10	111.66	99.50	192.10	113.01	97.77
1987	7	3	5	175.30	122.96	106.91	175.30	103.58	98.33	175.30	98.86	96.66
1987	7	4	5	325.18	194.28	116.87	325.18	215.31	106.51	325.18	221.76	104.49
1987	7	5	5	185.08	109.85	106.76	185.08	125.73	98.21	185.08	126.77	96.54
1987	7	6	6	176.64	121.67	106.76	176.64	120.94	98.21	176.64	122.52	96.54
1987	8	1	5	107.27	106.69	106.69	107.27	98.15	98.15	107.27	96.48	96.48
1987	8	2	5	64.17	52.16	106.69	64.17	98.15	98.15	64.17	96.48	96.48
1987	8	3	5	230.95	128.87	111.83	230.95	136.48	102.37	230.95	137.97	100.52
1987	8	4	5	427.18	322.06	116.68	427.18	329.51	106.36	427.18	330.97	104.34
1987	8	5	5	388.40	314.35	113.82	388.40	321.61	104.01	388.40	327.29	102.09
1987	8	6	6	197.55	135.94	107.26	197.55	142.96	98.62	197.55	153.83	96.93
1987	9	1	5	216.10	155.83	107.14	216.10	172.10	98.52	216.10	180.07	96.84
1987	9	2	5	629.56	534.05	107.14	629.56	572.75	98.52	629.56	574.03	96.84
1987	9	3	5	1052.18	951.39	107.14	1052.18	961.05	98.52	1052.18	963.46	96.84
1987	9	4	5	382.06	329.61	104.86	382.06	336.77	96.65	382.06	338.17	95.05
1987	9	5	5	308.91	256.57	104.86	308.91	263.73	96.65	308.91	265.13	95.05
1987	9	6	5	518.99	461.20	104.86	518.99	467.87	96.65	518.99	469.17	95.05
1987	10	1	5	280.98	202.22	101.82	280.98	209.33	94.16	280.98	210.72	92.66
1987	10	2	5	215.76	143.95	101.82	215.76	148.56	94.16	215.76	150.01	92.66
1987	10	3	5	177.72	130.61	99.54	177.72	134.08	92.28	177.72	134.75	90.86
1987	10	4	5	271.55	186.95	101.82	271.55	194.10	94.16	271.55	195.49	92.66
1987	10	5	5	204.21	142.26	101.49	204.21	148.97	93.88	204.21	150.37	92.40
1987	10	6	6	203.12	149.12	101.82	203.12	152.79	94.16	203.12	153.59	92.66
1987	11	1	5	194.69	142.58	99.25	194.69	146.20	92.05	194.69	146.90	90.64
1987	11	2	5	214.77	155.30	99.28	214.77	158.86	92.07	214.77	159.56	90.66
1987	11	3	5	162.35	110.17	94.29	162.35	113.68	87.97	162.35	114.39	86.74
1987	11	4	5	146.75	100.99	92.88	146.75	104.66	86.82	146.75	105.35	85.63
1987	11	5	5	139.23	91.13	91.13	139.23	93.22	85.38	139.23	93.92	84.25
1987	11	6	5	126.70	89.57	89.57	126.70	84.10	84.10	126.70	85.42	83.03
1987	12	1	5	115.57	89.28	89.28	115.57	83.86	83.86	115.57	82.80	82.80
1987	12	2	5	119.01	89.28	89.28	119.01	83.86	83.86	119.01	83.87	82.80
1987	12	3	5	129.28	90.21	90.21	129.28	84.62	84.62	129.28	88.26	83.53
1987	12	4	5	125.10	90.45	90.45	125.10	90.06	84.82	125.10	91.48	83.72
1987	12	5	5	114.38	89.28	89.28	114.38	83.86	83.86	114.38	82.80	82.80
1987	12	6	6	115.47	89.28	89.28	115.47	83.86	83.86	115.47	82.80	82.80
1987	1	1	5	96.01	89.28	89.28	96.01	83.86	83.86	96.01	82.80	82.80
1987	1	2	5	106.21	89.28	89.28	106.21	83.86	83.86	106.21	82.80	82.80
1987	1	3	5	96.13	89.28	89.28	96.13	83.86	83.86	96.13	82.80	82.80
1987	1	4	5	92.14	89.28	89.28	92.14	83.86	83.86	92.14	82.80	82.80
1987	1	5	5	110.03	89.28	89.28	110.03	83.86	83.86	110.03	82.80	82.80
1987	1	6	6	93.51	89.28	89.28	93.51	83.86	83.86	93.51	82.80	82.80
1987	2	1	5	94.22	82.20	89.28	94.22	83.86	83.86	94.22	82.80	82.80
1987	2	2	5	97.73	58.54	89.28	97.73	83.86	83.86	97.73	82.80	82.80
1987	2	3	5	93.18	54.19	89.28	93.18	83.86	83.86	93.18	82.80	82.80
1987	2	4	5	98.28	59.70	89.28	98.28	83.86	83.86	98.28	82.80	82.80
1987	2	5	5	80.67	42.36	89.28	80.67	83.86	83.86	80.67	82.80	82.80
1987	2	6	4	73.44	35.09	89.28	73.44	83.86	83.86	73.44	82.80	82.80
1987	3	1	5	80.11	41.05	89.28	80.11	83.86	83.86	80.11	82.80	82.80
1987	3	2	5	69.87	30.99	89.28	69.87	53.23	83.86	69.87	82.80	82.80
1987	3	3	5	88.12	41.55	89.28	88.12	49.70	83.86	88.12	82.80	82.80
1987	3	4	5	92.34	45.68	89.28	92.34	53.30	83.86	92.34	82.80	82.80
1987	3	5	5	148.06	89.28	89.28	148.06	83.86	83.86	148.06	82.80	82.80
1987	3	6	6	144.05	89.28	89.28	144.05	83.86	83.86	144.05	82.80	82.80

栗橋地点利水計算結果(1988年度)

単位: m³/s

年度	月	半月	日	切下げなし			切下げ率17.9%			切下げ率21.4%		
				自然	操作後	確保量	自然	操作後	確保量	自然	操作後	確保量
1988	4	1	5	130.70	94.79	94.79	130.70	88.38	88.38	130.70	87.13	87.13
1988	4	2	5	177.95	95.13	95.13	177.95	88.66	88.66	177.95	87.40	87.40
1988	4	3	5	200.41	95.44	95.44	200.41	88.92	88.92	200.41	87.64	87.64
1988	4	4	5	274.19	114.24	95.44	274.19	88.92	88.92	274.19	88.41	87.64
1988	4	5	5	316.72	119.46	104.07	316.72	145.40	96.00	316.72	155.94	94.43
1988	4	6	5	199.05	159.47	98.43	199.05	103.70	91.37	199.05	89.99	89.99
1988	5	1	5	295.68	159.65	107.02	295.68	142.23	98.42	295.68	139.33	96.74
1988	5	2	5	241.90	118.94	109.92	241.90	116.25	100.81	241.90	123.71	99.02
1988	5	3	5	290.47	112.13	112.13	290.47	134.06	102.62	290.47	135.76	100.76
1988	5	4	5	279.95	117.29	117.29	279.95	135.47	106.86	279.95	143.83	104.82
1988	5	5	5	422.68	235.29	117.26	422.68	322.56	106.83	422.68	338.70	104.79
1988	5	6	6	258.65	137.49	117.16	258.65	189.79	106.75	258.65	191.24	104.71
1988	6	1	5	409.51	279.96	117.52	409.51	309.30	107.04	409.51	313.06	105.00
1988	6	2	5	248.79	170.10	115.90	248.79	182.48	105.71	248.79	184.39	103.72
1988	6	3	5	130.16	109.99	107.52	130.16	98.83	98.83	130.16	97.14	97.14
1988	6	4	5	183.59	158.67	116.21	183.59	201.13	105.97	183.59	208.00	103.97
1988	6	5	5	193.21	249.39	116.81	193.21	258.65	106.46	193.21	260.46	104.44
1988	6	6	5	559.61	564.94	116.81	559.61	575.77	106.46	559.61	577.89	104.44
1988	7	1	5	686.99	589.11	116.91	686.99	600.01	106.54	686.99	602.15	104.52
1988	7	2	5	279.04	210.68	116.91	279.04	220.89	106.54	279.04	222.89	104.52
1988	7	3	5	200.00	133.55	109.42	200.00	143.95	100.39	200.00	145.98	98.63
1988	7	4	5	566.78	486.62	116.87	566.78	497.30	106.51	566.78	499.39	104.49
1988	7	5	5	357.35	283.55	116.76	357.35	294.40	106.42	357.35	296.52	104.40
1988	7	6	6	489.10	411.99	116.76	489.10	421.70	106.42	489.10	423.60	104.40
1988	8	1	5	283.26	221.82	116.69	283.26	230.61	106.36	283.26	232.33	104.34
1988	8	2	5	178.99	123.55	106.69	178.99	125.58	98.15	178.99	127.31	96.48
1988	8	3	5	1119.54	1001.40	116.68	1119.54	1029.35	106.36	1119.54	1036.52	104.34
1988	8	4	5	984.34	874.29	116.68	984.34	911.12	106.36	984.34	913.79	104.34
1988	8	5	5	807.28	736.60	113.82	807.28	749.25	104.01	807.28	751.73	102.09
1988	8	6	6	1119.09	1062.77	113.82	1119.09	1072.85	104.01	1119.09	1074.82	102.09
1988	9	1	5	961.82	906.01	107.14	961.82	916.00	98.52	961.82	917.95	96.84
1988	9	2	5	1270.15	1216.02	107.14	1270.15	1225.71	98.52	1270.15	1227.60	96.84
1988	9	3	5	1123.67	1071.31	107.14	1123.67	1080.68	98.52	1123.67	1082.52	96.84
1988	9	4	5	589.05	529.10	104.86	589.05	539.83	96.65	589.05	541.93	95.05
1988	9	5	5	624.44	563.65	104.86	624.44	574.53	96.65	624.44	576.66	95.05
1988	9	6	5	1436.36	1387.55	104.86	1436.36	1396.29	96.65	1436.36	1398.00	95.05
1988	10	1	5	610.46	472.57	101.82	610.46	481.18	94.16	610.46	482.97	92.66
1988	10	2	5	612.13	479.53	101.82	612.13	488.15	94.16	612.13	489.83	92.66
1988	10	3	5	409.07	310.86	101.82	409.07	319.53	94.16	409.07	321.24	92.66
1988	10	4	5	307.61	222.93	101.82	307.61	231.26	94.16	307.61	232.88	92.66
1988	10	5	5	251.83	187.79	101.82	251.83	196.22	94.16	251.83	197.87	92.66
1988	10	6	6	215.55	146.58	101.82	215.55	154.91	94.16	215.55	156.53	92.66
1988	11	1	5	210.59	141.67	99.28	210.59	150.09	92.07	210.59	151.74	90.66
1988	11	2	5	188.21	123.53	97.03	188.21	131.99	90.22	188.21	133.65	88.89
1988	11	3	5	165.62	103.82	93.98	165.62	112.16	87.72	165.62	113.79	86.49
1988	11	4	5	168.51	106.61	94.41	168.51	115.04	88.07	168.51	116.69	86.83
1988	11	5	5	151.56	91.97	91.97	151.56	99.21	86.07	151.56	100.85	84.91
1988	11	6	5	149.80	91.75	91.75	149.80	99.30	85.89	149.80	100.95	84.74
1988	12	1	5	139.06	91.10	91.10	139.06	95.19	85.35	139.06	96.82	84.23
1988	12	2	5	140.51	91.97	91.97	140.51	100.87	86.07	140.51	102.51	84.91
1988	12	3	5	133.80	91.94	91.94	133.80	100.46	86.04	133.80	102.09	84.89
1988	12	4	5	120.83	89.96	89.96	120.83	87.65	84.42	120.83	89.34	83.33
1988	12	5	5	117.11	89.54	89.54	117.11	84.50	84.07	117.11	86.05	83.00
1988	12	6	6	110.48	89.28	89.28	110.48	83.86	83.86	110.48	82.80	82.80
1988	1	1	5	104.10	89.28	89.28	104.10	83.86	83.86	104.10	82.80	82.80
1988	1	2	5	112.34	89.28	89.28	112.34	83.86	83.86	112.34	82.80	82.80
1988	1	3	5	124.05	89.28	89.28	124.05	83.86	83.86	124.05	82.80	82.80
1988	1	4	5	118.86	89.28	89.28	118.86	83.86	83.86	118.86	82.80	82.80
1988	1	5	5	170.63	94.46	94.46	170.63	105.98	88.11	170.63	117.82	86.87
1988	1	6	6	128.65	90.27	90.27	128.65	86.24	84.67	128.65	90.89	83.58
1988	2	1	5	116.19	89.28	89.28	116.19	83.86	83.86	116.19	82.80	82.80
1988	2	2	5	117.26	89.28	89.28	117.26	83.86	83.86	117.26	82.80	82.80
1988	2	3	5	124.53	89.83	89.83	124.53	85.78	84.31	124.53	92.38	83.23
1988	2	4	5	190.12	100.13	98.39	190.12	142.53	91.34	190.12	144.18	89.96
1988	2	5	5	161.32	95.37	95.37	161.32	122.47	88.86	161.32	124.10	87.59
1988	2	6	3	235.06	150.45	99.28	235.06	189.22	92.07	235.06	190.86	90.66
1988	3	1	5	206.36	102.53	96.72	206.36	136.05	89.97	206.36	137.71	88.65
1988	3	2	5	254.96	188.38	99.28	254.96	199.10	92.07	254.96	203.02	90.66
1988	3	3	5	198.93	128.53	95.04	198.93	143.90	88.59	198.93	146.19	87.33
1988	3	4	5	175.23	114.51	92.82	175.23	127.60	86.77	175.23	129.30	85.58
1988	3	5	5	146.11	89.69	89.28	146.11	101.33	83.86	146.11	103.09	82.80
1988	3	6	6	172.76	119.95	93.61	172.76	132.26	87.41	172.76	133.98	86.20

栗橋地点利水計算結果(1989年度)

単位: m³/s

年度	月	半旬	日数	切下げなし			切下げ率17.9%			切下げ率21.4%		
				自然	操作後	確保量	自然	操作後	確保量	自然	操作後	確保量
1989	4	1	5	173.04	102.75	96.63	173.04	122.87	89.89	173.04	124.64	88.58
1989	4	2	5	358.72	278.65	105.13	358.72	316.74	96.87	358.72	318.50	95.26
1989	4	3	5	354.19	299.01	105.44	354.19	312.07	97.13	354.19	313.82	95.50
1989	4	4	5	398.53	342.82	105.44	398.53	355.07	97.13	398.53	356.85	95.50
1989	4	5	5	434.01	380.15	105.44	434.01	390.81	97.13	434.01	392.58	95.50
1989	4	6	5	359.43	308.48	108.43	359.43	317.39	99.58	359.43	319.13	97.85
1989	5	1	5	248.81	198.44	117.02	248.81	207.39	106.63	248.81	209.14	104.60
1989	5	2	5	284.12	232.70	117.09	284.12	241.87	106.69	284.12	243.66	104.66
1989	5	3	5	634.14	579.73	117.29	634.14	588.72	106.86	634.14	590.48	104.82
1989	5	4	5	325.45	274.87	117.29	325.45	283.83	106.86	325.45	285.58	104.82
1989	5	5	5	308.64	256.46	117.26	308.64	265.76	106.83	308.64	267.57	104.79
1989	5	6	6	623.38	569.28	117.16	623.38	578.70	106.75	623.38	580.54	104.71
1989	6	1	5	239.79	181.97	117.52	239.79	192.23	107.04	239.79	194.23	105.00
1989	6	2	5	175.81	119.29	107.98	175.81	129.17	99.21	175.81	130.76	97.50
1989	6	3	5	131.75	109.68	107.52	131.75	98.83	98.83	131.75	97.14	97.14
1989	6	4	5	531.52	567.12	116.81	531.52	602.49	106.46	531.52	609.06	104.44
1989	6	5	5	474.68	555.56	116.81	474.68	567.04	106.46	474.68	570.04	104.44
1989	6	6	5	898.69	966.04	116.81	898.69	983.02	106.46	898.69	985.45	104.44
1989	7	1	5	528.44	458.82	116.91	528.44	471.28	106.54	528.44	473.72	104.52
1989	7	2	5	342.30	276.56	116.91	342.30	288.33	106.54	342.30	290.63	104.52
1989	7	3	5	428.56	361.08	116.91	428.56	373.16	106.54	428.56	375.52	104.52
1989	7	4	5	875.25	805.16	116.87	875.25	817.71	106.51	875.25	820.16	104.49
1989	7	5	5	348.38	276.73	116.76	348.38	289.56	106.42	348.38	292.06	104.40
1989	7	6	6	924.82	861.11	116.76	924.82	872.51	106.42	924.82	874.74	104.40
1989	8	1	5	928.73	868.78	116.69	928.73	879.51	106.36	928.73	881.61	104.34
1989	8	2	5	675.80	616.85	116.69	675.80	627.40	106.36	675.80	629.47	104.34
1989	8	3	5	300.79	239.00	116.68	300.79	250.06	106.36	300.79	252.22	104.34
1989	8	4	5	597.63	527.24	116.68	597.63	539.84	106.36	597.63	542.30	104.34
1989	8	5	5	276.41	206.60	113.82	276.41	218.38	104.01	276.41	220.86	102.09
1989	8	6	6	1106.08	1049.03	113.82	1106.08	1059.84	104.01	1106.08	1061.81	102.09
1989	9	1	5	659.86	604.05	107.14	659.86	614.04	98.52	659.86	615.99	96.84
1989	9	2	5	887.22	833.09	107.14	887.22	842.78	98.52	887.22	844.67	96.84
1989	9	3	5	633.35	580.99	107.14	633.35	590.36	98.52	633.35	592.19	96.84
1989	9	4	5	540.63	480.68	104.86	540.63	491.41	96.65	540.63	493.51	95.05
1989	9	5	5	792.75	731.96	104.86	792.75	742.84	96.65	792.75	744.97	95.05
1989	9	6	5	421.54	372.73	104.86	421.54	381.47	96.65	421.54	383.18	95.05
1989	10	1	5	310.56	198.25	101.82	310.56	206.64	94.16	310.56	208.28	92.66
1989	10	2	5	397.14	274.31	101.82	397.14	282.93	94.16	397.14	284.61	92.66
1989	10	3	5	471.97	360.50	101.82	471.97	369.24	94.16	471.97	370.95	92.66
1989	10	4	5	439.02	322.59	101.82	439.02	331.23	94.16	439.02	332.92	92.66
1989	10	5	5	376.54	299.97	101.82	376.54	308.40	94.16	376.54	310.05	92.66
1989	10	6	6	260.35	194.75	101.82	260.35	203.09	94.16	260.35	204.72	92.66
1989	11	1	5	255.06	189.55	99.28	255.06	198.05	92.07	255.06	200.04	90.66
1989	11	2	5	211.71	149.52	99.28	211.71	159.97	92.07	211.71	161.68	90.66
1989	11	3	5	199.90	140.05	99.26	199.90	148.72	92.05	199.90	150.41	90.64
1989	11	4	5	186.35	126.78	97.23	186.35	135.53	90.39	186.35	137.24	89.05
1989	11	5	5	170.22	111.11	94.84	170.22	119.82	88.42	170.22	121.52	87.17
1989	11	6	5	156.98	98.04	92.85	156.98	106.78	86.79	156.98	108.49	85.61
1989	12	1	5	148.31	91.60	91.60	148.31	98.51	85.76	148.31	100.21	84.62
1989	12	2	5	145.22	91.17	91.17	145.22	95.84	85.41	145.22	97.54	84.29
1989	12	3	5	139.06	90.19	90.19	139.06	89.47	84.61	139.06	91.16	83.52
1989	12	4	5	143.32	92.21	92.21	143.32	102.75	86.27	143.32	104.44	85.10
1989	12	5	5	129.31	90.31	90.31	129.31	90.40	84.71	129.31	92.09	83.61
1989	12	6	6	125.60	89.77	89.77	125.60	86.71	84.26	125.60	88.40	83.19
1989	1	1	5	110.50	89.28	89.28	110.50	83.86	83.86	110.50	82.80	82.80
1989	1	2	5	117.44	89.28	89.28	117.44	83.86	83.86	117.44	82.80	82.80
1989	1	3	5	111.51	89.28	89.28	111.51	83.86	83.86	111.51	82.80	82.80
1989	1	4	5	115.12	89.28	89.28	115.12	83.86	83.86	115.12	82.80	82.80
1989	1	5	5	111.28	89.28	89.28	111.28	83.86	83.86	111.28	82.80	82.80
1989	1	6	6	105.05	89.28	89.28	105.05	83.86	83.86	105.05	82.80	82.80
1989	2	1	5	110.93	89.28	89.28	110.93	83.86	83.86	110.93	82.80	82.80
1989	2	2	5	109.41	89.28	89.28	109.41	83.86	83.86	109.41	82.80	82.80
1989	2	3	5	117.87	89.28	89.28	117.87	83.86	83.86	117.87	82.80	82.80
1989	2	4	5	139.08	89.28	89.28	139.08	83.86	83.86	139.08	82.80	82.80
1989	2	5	5	257.99	126.36	99.28	257.99	177.78	92.07	257.99	181.13	90.66
1989	2	6	3	285.58	185.74	99.28	285.58	217.62	92.07	285.58	219.26	90.66
1989	3	1	5	264.19	168.22	99.28	264.19	193.08	92.07	264.19	208.81	90.66
1989	3	2	5	206.02	128.67	98.98	206.02	152.11	91.82	206.02	165.72	90.42
1989	3	3	5	169.65	108.53	93.20	169.65	126.00	87.08	169.65	128.92	85.88
1989	3	4	5	162.54	109.40	92.46	162.54	122.16	86.47	162.54	123.86	85.30
1989	3	5	5	159.78	94.87	91.92	159.78	118.36	86.03	159.78	120.13	84.88
1989	3	6	6	177.43	117.88	94.68	177.43	136.88	88.29	177.43	138.61	87.04

栗橋地点利水計算結果(1990年度)

単位: m³/s

年度	月	半月	旬	日	切下げなし			切下げ率17.9%			切下げ率21.4%		
					自然	操作後	確保量	自然	操作後	確保量	自然	操作後	確保量
1990	4	1	5		318.88	248.21	104.79	318.88	277.44	96.59	318.88	279.21	94.99
1990	4	2	5		249.01	197.09	105.13	249.01	207.70	96.87	249.01	209.46	95.26
1990	4	3	5		294.90	243.39	105.44	294.90	253.90	97.13	294.90	255.65	95.50
1990	4	4	5		322.38	265.12	105.44	322.38	280.64	97.13	322.38	282.42	95.50
1990	4	5	5		638.36	579.20	105.44	638.36	596.78	97.13	638.36	598.55	95.50
1990	4	6	5		369.51	316.87	108.43	369.51	328.65	99.58	369.51	330.39	97.85
1990	5	1	5		247.89	195.96	117.02	247.89	206.84	106.63	247.89	208.59	104.60
1990	5	2	5		329.83	276.75	117.09	329.83	287.77	106.69	329.83	289.56	104.66
1990	5	3	5		274.28	222.26	117.29	274.28	233.04	106.86	274.28	234.80	104.82
1990	5	4	5		211.00	159.99	114.37	211.00	169.77	104.46	211.00	171.51	102.52
1990	5	5	5		147.88	109.83	107.26	147.88	105.22	98.62	147.88	107.03	96.93
1990	5	6	6		89.12	127.58	107.16	89.12	104.66	98.54	89.12	101.07	96.85
1990	6	1	5		88.68	115.89	107.52	88.68	101.31	98.83	88.68	98.46	97.14
1990	6	2	5		71.25	107.52	107.52	71.25	98.83	98.83	71.25	97.14	97.14
1990	6	3	5		90.85	107.52	107.52	90.85	98.83	98.83	90.85	97.14	97.14
1990	6	4	5		35.00	106.81	106.81	35.00	98.25	98.25	35.00	96.58	96.58
1990	6	5	5		10.87	106.81	106.81	10.87	98.25	98.25	10.87	96.58	96.58
1990	6	6	5		90.83	106.81	106.81	90.83	98.25	98.25	90.83	96.58	96.58
1990	7	1	5		207.84	106.91	106.91	207.84	98.33	98.33	207.84	96.66	96.66
1990	7	2	5		194.21	106.91	106.91	194.21	101.26	98.33	194.21	104.55	96.66
1990	7	3	5		175.83	106.91	106.91	175.83	115.86	98.33	175.83	123.28	96.66
1990	7	4	5		120.01	106.87	106.87	120.01	98.30	98.30	120.01	96.63	96.63
1990	7	5	5		84.83	114.14	106.76	84.83	98.21	98.21	84.83	96.54	96.54
1990	7	6	6		80.10	111.88	106.76	80.10	98.21	98.21	80.10	96.54	96.54
1990	8	1	5		31.66	130.75	106.69	31.66	120.53	98.15	31.66	122.04	96.48
1990	8	2	5		396.81	281.49	106.69	396.81	270.52	98.15	396.81	268.38	96.48
1990	8	3	5		1225.57	1055.77	116.68	1225.57	1065.41	106.36	1225.57	1072.90	104.34
1990	8	4	5		168.49	106.68	106.68	168.49	114.64	98.15	168.49	118.88	96.48
1990	8	5	5		59.94	103.82	103.82	59.94	95.80	95.80	59.94	94.23	94.23
1990	8	6	6		69.55	45.84	103.82	69.55	95.80	95.80	69.55	94.23	94.23
1990	9	1	5		39.36	15.49	97.14	39.36	90.31	90.31	39.36	88.98	88.98
1990	9	2	5		117.83	72.40	97.14	117.83	90.31	90.31	117.83	88.98	88.98
1990	9	3	5		337.16	260.34	107.14	337.16	260.15	98.52	337.16	260.12	96.84
1990	9	4	5		687.89	420.22	104.86	687.89	450.26	96.65	687.89	464.93	95.05
1990	9	5	5		850.90	748.82	104.86	850.90	772.73	96.65	850.90	776.74	95.05
1990	9	6	5		766.68	632.92	104.86	766.68	658.12	96.65	766.68	659.83	95.05
1990	10	1	5		1459.54	1279.17	101.82	1459.54	1294.72	94.16	1459.54	1303.20	92.66
1990	10	2	5		794.04	604.67	101.82	794.04	625.15	94.16	794.04	626.84	92.66
1990	10	3	5		481.49	389.31	101.82	481.49	401.66	94.16	481.49	403.37	92.66
1990	10	4	5		336.59	261.07	101.82	336.59	269.40	94.16	336.59	271.02	92.66
1990	10	5	5		249.37	179.27	101.82	249.37	187.70	94.16	249.37	189.35	92.66
1990	10	6	6		327.80	217.77	101.82	327.80	226.12	94.16	327.80	227.75	92.66
1990	11	1	5		408.40	324.21	99.28	408.40	332.83	92.07	408.40	334.54	90.66
1990	11	2	5		378.93	285.03	99.28	378.93	293.53	92.07	378.93	295.19	90.66
1990	11	3	5		292.08	215.80	99.28	292.08	224.18	92.07	292.08	225.82	90.66
1990	11	4	5		217.37	142.34	99.28	217.37	150.80	92.07	217.37	152.46	90.66
1990	11	5	5		197.71	125.46	97.67	197.71	133.88	90.75	197.71	135.52	89.39
1990	11	6	5		322.10	192.73	99.28	322.10	201.47	92.07	322.10	209.63	90.66
1990	12	1	5		1321.39	1219.82	99.28	1321.39	1257.10	92.07	1321.39	1269.13	90.66
1990	12	2	5		323.86	256.66	99.28	323.86	276.43	92.07	323.86	278.13	90.66
1990	12	3	5		300.68	233.96	99.28	300.68	250.25	92.07	300.68	255.52	90.66
1990	12	4	5		218.52	157.79	99.28	218.52	171.08	92.07	218.52	178.06	90.66
1990	12	5	5		196.56	137.23	99.16	196.56	149.21	91.97	196.56	156.32	90.57
1990	12	6	6		177.32	122.63	97.05	177.32	131.31	90.24	177.32	137.14	88.91
1990	1	1	5		153.47	100.10	93.47	153.47	108.74	87.30	153.47	114.29	86.09
1990	1	2	5		140.56	91.18	91.18	140.56	98.65	85.42	140.56	101.50	84.29
1990	1	3	5		142.82	91.84	91.84	142.82	102.47	85.96	142.82	104.16	84.81
1990	1	4	5		135.18	90.68	90.68	135.18	95.00	85.01	135.18	96.69	83.90
1990	1	5	5		155.68	98.19	93.83	155.68	115.56	87.60	155.68	117.25	86.38
1990	1	6	6		127.63	89.37	89.37	127.63	87.80	83.93	127.63	89.48	82.87
1990	2	1	5		122.37	89.28	89.28	122.37	83.86	83.86	122.37	84.51	82.80
1990	2	2	5		117.78	89.28	89.28	117.78	83.86	83.86	117.78	82.80	82.80
1990	2	3	5		115.90	89.28	89.28	115.90	83.86	83.86	115.90	82.80	82.80
1990	2	4	5		234.10	138.56	99.28	234.10	174.72	92.07	234.10	182.97	90.66
1990	2	5	5		137.42	90.83	90.83	137.42	97.10	85.13	137.42	98.79	84.02
1990	2	6	3		129.94	90.47	90.47	129.94	90.97	84.84	129.94	92.66	83.74
1990	3	1	5		127.60	89.28	89.28	127.60	85.54	83.86	127.60	87.26	82.80
1990	3	2	5		156.40	90.94	90.94	156.40	112.02	85.22	156.40	113.75	84.10
1990	3	3	5		199.11	122.66	97.80	199.11	156.57	90.85	199.11	158.27	89.50
1990	3	4	5		159.68	91.97	91.97	159.68	117.81	86.07	159.68	119.51	84.91
1990	3	5	5		337.75	236.48	99.28	337.75	290.62	92.07	337.75	292.38	90.66
1990	3	6	6		460.69	393.36	99.28	460.69	409.91	92.07	460.69	411.74	90.66

栗橋地点利水計算結果(1991年度)

単位：m³/s

年度	月	半	旬	日	切下げなし			切下げ率17.9%			切下げ率21.4%		
					自然	操作後	確保量	自然	操作後	確保量	自然	操作後	確保量
1991	4	1	5		383.73	326.69	104.79	383.73	335.87	96.59	383.73	337.64	94.99
1991	4	2	5		611.81	537.11	105.13	611.81	546.48	96.87	611.81	558.32	95.26
1991	4	3	5		545.74	471.46	105.44	545.74	499.71	97.13	545.74	506.49	95.50
1991	4	4	5		423.55	352.52	105.44	423.55	381.81	97.13	423.55	383.59	95.50
1991	4	5	5		310.65	252.55	105.44	310.65	269.07	97.13	310.65	270.84	95.50
1991	4	6	5		304.21	254.33	108.43	304.21	263.35	99.58	304.21	265.09	97.85
1991	5	1	5		251.12	201.80	117.02	251.12	210.07	106.63	251.12	211.71	104.60
1991	5	2	5		173.86	137.73	107.09	173.86	132.47	98.48	173.86	134.24	96.80
1991	5	3	5		196.00	136.75	110.00	196.00	155.43	100.87	196.00	157.16	99.09
1991	5	4	5		189.68	135.99	111.12	189.68	149.13	101.79	189.68	150.75	99.97
1991	5	5	5		165.11	134.76	107.26	165.11	124.54	98.62	165.11	126.27	96.93
1991	5	6	6		133.03	126.31	107.16	133.03	112.33	98.54	133.03	109.60	96.85
1991	6	1	5		183.47	111.87	107.52	183.47	118.34	98.83	183.47	121.40	97.14
1991	6	2	5		111.04	129.27	107.52	111.04	116.97	98.83	111.04	114.16	97.14
1991	6	3	5		122.64	115.94	107.52	122.64	103.07	98.83	122.64	100.15	97.14
1991	6	4	5		90.95	117.30	106.81	90.95	104.16	98.25	90.95	115.65	96.58
1991	6	5	5		326.61	286.46	116.81	326.61	403.30	106.46	326.61	411.79	104.44
1991	6	6	5		209.32	257.78	116.81	209.32	293.48	106.46	209.32	295.91	104.44
1991	7	1	5		332.61	264.17	116.91	332.61	275.24	106.54	332.61	277.68	104.52
1991	7	2	5		417.01	351.29	116.91	417.01	362.68	106.54	417.01	364.98	104.52
1991	7	3	5		301.97	232.56	116.91	301.97	246.41	106.54	301.97	248.77	104.52
1991	7	4	5		334.17	263.91	116.87	334.17	276.46	106.51	334.17	278.91	104.49
1991	7	5	5		242.36	174.13	113.01	242.36	184.98	103.34	242.36	187.10	101.45
1991	7	6	6		148.31	134.93	106.76	148.31	118.98	98.21	148.31	115.86	96.54
1991	8	1	5		241.24	143.84	112.09	241.24	168.77	102.59	241.24	172.52	100.73
1991	8	2	5		361.69	282.94	116.69	361.69	304.99	106.36	361.69	310.72	104.34
1991	8	3	5		335.08	273.05	116.68	335.08	282.47	106.36	335.08	284.32	104.34
1991	8	4	5		223.27	154.82	106.68	223.27	157.93	98.15	223.27	162.19	96.48
1991	8	5	5		2608.73	2498.55	113.82	2608.73	2527.16	104.01	2608.73	2529.64	102.09
1991	8	6	6		609.41	540.42	113.82	609.41	559.29	104.01	609.41	563.32	102.09
1991	9	1	5		1136.10	1072.49	107.14	1136.10	1090.28	98.52	1136.10	1092.23	96.84
1991	9	2	5		486.67	431.57	107.14	486.67	442.23	98.52	486.67	444.12	96.84
1991	9	3	5		664.01	608.98	107.14	664.01	621.02	98.52	664.01	622.85	96.84
1991	9	4	5		1622.81	1560.00	104.86	1622.81	1573.59	96.65	1622.81	1575.69	95.05
1991	9	5	5		1197.41	1136.62	104.86	1197.41	1147.50	96.65	1197.41	1149.63	95.05
1991	9	6	5		487.90	439.09	104.86	487.90	447.83	96.65	487.90	449.54	95.05
1991	10	1	5		936.53	736.38	101.82	936.53	745.53	94.16	936.53	747.32	92.66
1991	10	2	5		889.97	733.03	101.82	889.97	741.64	94.16	889.97	743.33	92.66
1991	10	3	5		2295.00	2180.97	101.82	2295.00	2189.71	94.16	2295.00	2191.42	92.66
1991	10	4	5		714.09	638.07	101.82	714.09	646.71	94.16	714.09	648.40	92.66
1991	10	5	5		426.28	353.02	101.82	426.28	361.76	94.16	426.28	363.47	92.66
1991	10	6	6		570.52	501.20	101.82	570.52	509.83	94.16	570.52	511.52	92.66
1991	11	1	5		342.99	273.62	99.28	342.99	282.36	92.07	342.99	284.07	90.66
1991	11	2	5		286.21	234.23	99.28	286.21	243.02	92.07	286.21	244.74	90.66
1991	11	3	5		252.46	204.05	99.28	252.46	212.72	92.07	252.46	214.41	90.66
1991	11	4	5		213.60	164.73	99.28	213.60	173.48	92.07	213.60	175.19	90.66
1991	11	5	5		193.99	145.32	99.28	193.99	154.03	92.07	193.99	155.73	90.66
1991	11	6	5		258.41	209.57	99.28	258.41	218.31	92.07	258.41	220.02	90.66
1991	12	1	5		230.30	184.42	99.28	230.30	193.10	92.07	230.30	194.80	90.66
1991	12	2	5		177.56	133.94	98.32	177.56	142.62	91.28	177.56	144.32	89.91
1991	12	3	5		163.48	120.60	96.29	163.48	129.27	89.62	163.48	130.97	88.31
1991	12	4	5		146.74	98.98	92.97	146.74	107.62	86.89	146.74	109.31	85.70
1991	12	5	5		144.73	95.67	92.46	144.73	104.31	86.47	144.73	106.00	85.30
1991	12	6	6		159.42	104.99	93.88	159.42	113.63	87.64	159.42	115.32	86.42
1991	1	1	5		129.68	89.81	89.81	129.68	86.95	84.30	129.68	88.64	83.22
1991	1	2	5		144.93	92.98	92.98	144.93	107.73	86.90	144.93	109.41	85.71
1991	1	3	5		132.01	91.24	91.24	132.01	96.30	85.47	132.01	97.99	84.34
1991	1	4	5		124.55	90.16	90.16	124.55	89.28	84.58	124.55	90.97	83.49
1991	1	5	5		118.03	89.28	89.28	118.03	84.39	83.86	118.03	86.05	82.80
1991	1	6	6		116.48	89.28	89.28	116.48	83.86	83.86	116.48	84.19	82.80
1991	2	1	5		136.21	91.22	91.22	136.21	96.23	85.45	136.21	99.50	84.32
1991	2	2	5		121.13	89.40	89.40	121.13	85.52	83.96	121.13	87.19	82.89
1991	2	3	5		112.42	89.28	89.28	112.42	83.86	83.86	112.42	82.80	82.80
1991	2	4	5		106.05	89.28	89.28	106.05	83.86	83.86	106.05	82.80	82.80
1991	2	5	5		101.35	89.28	89.28	101.35	83.86	83.86	101.35	82.80	82.80
1991	2	6	4		107.18	89.28	89.28	107.18	83.86	83.86	107.18	82.80	82.80
1991	3	1	5		157.08	89.28	89.28	157.08	83.86	83.86	157.08	82.80	82.80
1991	3	2	5		131.90	89.28	89.28	131.90	83.86	83.86	131.90	82.80	82.80
1991	3	3	5		142.08	89.28	89.28	142.08	83.86	83.86	142.08	88.33	82.80
1991	3	4	5		181.08	94.54	94.54	181.08	125.74	88.18	181.08	140.73	86.93
1991	3	5	5		253.69	148.85	99.28	253.69	207.70	92.07	253.69	209.46	90.66
1991	3	6	6		318.71	217.05	99.28	318.71	274.75	92.07	318.71	276.48	90.66

栗橋地点利水計算結果(1992年度)

単位: m³/s

年度	月	半旬	日数	切下げなし			切下げ率17.9%			切下げ率21.4%		
				自然	操作後	確保量	自然	操作後	確保量	自然	操作後	確保量
				1992	4	1	5	433.51	355.66	104.79	433.51	390.34
1992	4	2	5	440.35	383.35	105.13	440.35	397.39	96.87	440.35	399.15	95.26
1992	4	3	5	440.25	388.59	105.44	440.25	397.53	97.13	440.25	399.28	95.50
1992	4	4	5	304.41	251.97	105.44	304.41	261.07	97.13	304.41	262.85	95.50
1992	4	5	5	276.35	224.28	105.44	276.35	233.35	97.13	276.35	235.12	95.50
1992	4	6	5	227.61	176.75	104.16	227.61	185.45	96.08	227.61	187.19	94.50
1992	5	1	5	296.53	244.94	117.02	296.53	253.89	106.63	296.53	255.64	104.60
1992	5	2	5	197.15	144.78	112.00	197.15	153.90	102.51	197.15	155.69	100.66
1992	5	3	5	199.16	149.75	112.32	199.16	158.25	102.78	199.16	159.87	100.91
1992	5	4	5	274.52	222.87	117.29	274.52	231.83	106.86	274.52	233.58	104.82
1992	5	5	5	239.10	185.83	117.26	239.10	195.13	106.83	239.10	196.94	104.79
1992	5	6	6	331.15	271.69	117.16	331.15	280.42	106.75	331.15	282.84	104.71
1992	6	1	5	482.25	418.86	117.52	482.25	434.96	107.04	482.25	437.20	105.00
1992	6	2	5	411.34	352.74	117.52	411.34	363.23	107.04	411.34	365.28	105.00
1992	6	3	5	228.66	172.28	116.04	228.66	182.37	105.83	228.66	184.35	103.83
1992	6	4	5	153.32	237.49	116.81	153.32	247.72	106.46	153.32	249.72	104.44
1992	6	5	5	713.23	796.89	116.81	713.23	807.21	106.46	713.23	809.23	104.44
1992	6	6	5	337.94	409.85	116.81	337.94	422.27	106.46	337.94	424.70	104.44
1992	7	1	5	424.48	354.86	116.91	424.48	367.32	106.54	424.48	369.76	104.52
1992	7	2	5	178.77	117.59	106.91	178.77	126.09	98.33	178.77	127.75	96.66
1992	7	3	5	216.14	144.10	111.08	216.14	159.45	101.76	216.14	162.45	99.93
1992	7	4	5	478.72	408.63	116.87	478.72	421.18	106.51	478.72	423.63	104.49
1992	7	5	5	254.72	185.85	116.76	254.72	196.70	106.42	254.72	198.82	104.40
1992	7	6	6	161.54	106.76	106.76	161.54	113.40	98.21	161.54	115.30	96.54
1992	8	1	5	433.38	371.52	116.69	433.38	384.16	106.36	433.38	385.88	104.34
1992	8	2	5	153.29	106.69	106.69	153.29	107.99	98.15	153.29	109.72	96.48
1992	8	3	5	249.03	173.77	116.68	249.03	191.38	106.36	249.03	193.84	104.34
1992	8	4	5	135.78	106.68	106.68	135.78	98.15	98.15	135.78	96.48	96.48
1992	8	5	5	124.41	103.82	103.82	124.41	95.80	95.80	124.41	94.23	94.23
1992	8	6	6	167.32	109.06	103.82	167.32	110.01	95.80	167.32	116.97	94.23
1992	9	1	5	114.35	97.14	97.14	114.35	90.31	90.31	114.35	88.98	88.98
1992	9	2	5	116.00	97.14	97.14	116.00	90.31	90.31	116.00	88.98	88.98
1992	9	3	5	71.88	97.14	97.14	71.88	90.31	90.31	71.88	88.98	88.98
1992	9	4	5	126.92	95.45	95.45	126.92	88.93	88.93	126.92	87.65	87.65
1992	9	5	5	127.78	95.41	95.41	127.78	88.89	88.89	127.78	87.62	87.62
1992	9	6	5	180.60	103.88	101.10	180.60	112.79	93.56	180.60	119.19	92.09
1992	10	1	5	199.52	121.79	101.24	199.52	132.59	93.68	199.52	135.35	92.20
1992	10	2	5	460.87	317.38	101.82	460.87	333.12	94.16	460.87	334.81	92.66
1992	10	3	5	331.78	225.38	101.82	331.78	235.23	94.16	331.78	236.94	92.66
1992	10	4	5	398.44	278.33	101.82	398.44	286.44	94.16	398.44	288.13	92.66
1992	10	5	5	629.38	498.16	101.82	629.38	517.89	94.16	629.38	522.30	92.66
1992	10	6	6	279.73	189.50	101.82	279.73	205.56	94.16	279.73	207.66	92.66
1992	11	1	5	214.95	136.24	98.77	214.95	149.33	91.65	214.95	150.98	90.26
1992	11	2	5	185.52	113.04	94.78	185.52	123.85	88.38	185.52	125.27	87.12
1992	11	3	5	172.35	108.74	94.16	172.35	114.25	87.87	172.35	115.66	86.64
1992	11	4	5	157.56	98.10	92.60	157.56	103.02	86.59	157.56	103.71	85.41
1992	11	5	5	208.74	142.54	99.25	208.74	147.44	92.05	208.74	148.85	90.64
1992	11	6	5	154.36	99.58	92.63	154.36	103.23	86.61	154.36	103.92	85.43
1992	12	1	5	159.74	96.12	92.05	159.74	99.99	86.13	159.74	100.75	84.98
1992	12	2	5	199.61	108.57	94.49	199.61	123.37	88.14	199.61	134.43	86.90
1992	12	3	5	178.04	101.10	93.39	178.04	123.57	87.23	178.04	126.51	86.03
1992	12	4	5	142.36	90.74	90.74	142.36	100.39	85.06	142.36	102.00	83.95
1992	12	5	5	136.27	89.28	89.28	136.27	95.10	83.86	136.27	96.72	82.80
1992	12	6	6	140.10	91.12	91.12	140.10	99.75	85.37	140.10	101.37	84.25
1992	1	1	5	111.01	89.28	89.28	111.01	83.86	83.86	111.01	82.80	82.80
1992	1	2	5	152.76	93.37	93.37	152.76	100.06	87.22	152.76	103.01	86.01
1992	1	3	5	132.37	90.80	90.80	132.37	91.85	85.11	132.37	93.31	83.99
1992	1	4	5	157.38	94.53	94.53	157.38	115.87	88.17	157.38	117.48	86.93
1992	1	5	5	129.12	90.37	90.37	129.12	90.48	84.75	129.12	91.72	83.66
1992	1	6	6	176.24	104.53	97.38	176.24	131.50	90.51	176.24	136.34	89.17
1992	2	1	5	137.09	91.66	91.66	137.09	98.24	85.81	137.09	100.24	84.67
1992	2	2	5	144.25	92.09	92.09	144.25	101.96	86.17	144.25	104.09	85.01
1992	2	3	5	129.17	90.26	90.26	129.17	90.43	84.66	129.17	91.98	83.57
1992	2	4	5	167.56	95.43	95.43	167.56	124.89	88.91	167.56	129.01	87.63
1992	2	5	5	173.67	107.66	96.41	173.67	132.76	89.71	173.67	136.29	88.40
1992	2	6	3	153.76	104.27	94.43	153.76	117.98	88.09	153.76	120.96	86.85
1992	3	1	5	144.40	99.52	92.33	144.40	108.28	86.36	144.40	110.95	85.20
1992	3	2	5	155.91	99.26	90.73	155.91	109.52	85.05	155.91	111.64	83.94
1992	3	3	5	140.84	89.28	89.28	140.84	98.09	83.86	140.84	99.76	82.80
1992	3	4	5	141.09	89.46	89.46	141.09	103.26	84.01	141.09	104.94	82.94
1992	3	5	5	128.00	96.05	89.28	128.00	86.97	83.86	128.00	88.70	82.80
1992	3	6	6	174.94	101.85	93.49	174.94	132.34	87.32	174.94	134.04	86.11

栗橋地点利水計算結果(1993年度)

単位: m³/s

年度	月	半月	日数	切下げなし			切下げ率17.9%			切下げ率21.4%		
				自然	操作後	確保量	自然	操作後	確保量	自然	操作後	確保量
				1993	4	1	5	214.40	124.55	102.50	214.40	166.67
1993	4	2	5	175.95	122.39	98.01	175.95	133.59	91.03	175.95	135.32	89.66
1993	4	3	5	138.96	106.31	95.44	138.96	99.00	88.92	138.96	101.32	87.64
1993	4	4	5	188.94	138.11	95.44	188.94	149.76	88.92	188.94	151.51	87.64
1993	4	5	5	279.68	211.28	105.44	279.68	240.24	97.13	279.68	242.01	95.50
1993	4	6	5	229.36	181.17	99.77	229.36	190.79	92.47	229.36	192.53	91.05
1993	5	1	5	259.86	205.02	115.26	259.86	220.21	105.19	259.86	221.97	103.22
1993	5	2	5	283.16	230.30	117.09	283.16	242.79	106.69	283.16	244.59	104.66
1993	5	3	5	466.04	410.93	117.29	466.04	425.47	106.86	466.04	427.20	104.82
1993	5	4	5	315.60	262.09	117.29	315.60	275.17	106.86	315.60	276.89	104.82
1993	5	5	5	242.39	191.59	114.52	242.39	200.88	104.58	242.39	202.60	102.64
1993	5	6	6	160.13	150.60	107.16	160.13	135.83	98.54	160.13	132.94	96.85
1993	6	1	5	197.94	122.85	107.52	197.94	132.11	98.83	197.94	139.13	97.14
1993	6	2	5	171.08	107.52	107.52	171.08	125.16	98.83	171.08	126.58	97.14
1993	6	3	5	153.00	107.63	107.52	153.00	111.72	98.83	153.00	113.13	97.14
1993	6	4	5	141.99	170.05	109.98	141.99	221.09	100.85	141.99	225.68	99.07
1993	6	5	5	380.01	444.22	116.81	380.01	472.72	106.46	380.01	474.74	104.44
1993	6	6	5	247.47	318.70	116.81	247.47	331.12	106.46	247.47	333.55	104.44
1993	7	1	5	733.51	652.80	116.91	733.51	665.26	106.54	733.51	667.70	104.52
1993	7	2	5	712.69	643.41	116.91	712.69	655.18	106.54	712.69	657.48	104.52
1993	7	3	5	401.20	333.30	116.91	401.20	345.38	106.54	401.20	347.74	104.52
1993	7	4	5	590.67	517.99	116.87	590.67	530.54	106.51	590.67	532.99	104.49
1993	7	5	5	538.32	460.31	116.76	538.32	473.14	106.42	538.32	475.64	104.40
1993	7	6	6	747.89	677.07	116.76	747.89	688.47	106.42	747.89	690.70	104.40
1993	8	1	5	353.01	292.57	116.69	353.01	303.30	106.36	353.01	305.40	104.34
1993	8	2	5	446.56	386.39	116.69	446.56	396.94	106.36	446.56	399.01	104.34
1993	8	3	5	449.27	369.79	116.68	449.27	380.85	106.36	449.27	383.01	104.34
1993	8	4	5	412.93	340.74	116.68	412.93	353.34	106.36	412.93	355.80	104.34
1993	8	5	5	310.78	239.81	113.82	310.78	252.46	104.01	310.78	254.94	102.09
1993	8	6	6	961.77	895.38	113.82	961.77	905.46	104.01	961.77	907.43	102.09
1993	9	1	5	572.58	507.18	107.14	572.58	517.17	98.52	572.58	519.12	96.84
1993	9	2	5	779.39	721.89	107.14	779.39	731.58	98.52	779.39	733.47	96.84
1993	9	3	5	918.42	866.06	107.14	918.42	875.43	98.52	918.42	877.27	96.84
1993	9	4	5	487.82	427.87	104.86	487.82	438.60	96.65	487.82	440.70	95.05
1993	9	5	5	456.85	396.06	104.86	456.85	406.94	96.65	456.85	409.07	95.05
1993	9	6	5	344.64	295.83	104.86	344.64	304.57	96.65	344.64	306.28	95.05
1993	10	1	5	351.95	250.18	101.82	351.95	258.57	94.16	351.95	260.21	92.66
1993	10	2	5	478.72	340.99	101.82	478.72	349.60	94.16	478.72	351.29	92.66
1993	10	3	5	349.86	262.12	101.82	349.86	270.86	94.16	349.86	272.57	92.66
1993	10	4	5	256.69	179.42	101.82	256.69	186.57	94.16	256.69	187.96	92.66
1993	10	5	5	234.21	148.09	101.82	234.21	157.70	94.16	234.21	159.58	92.66
1993	10	6	6	238.82	160.51	101.82	238.82	168.86	94.16	238.82	170.49	92.66
1993	11	1	5	226.09	157.87	99.28	226.09	166.23	92.07	226.09	167.89	90.66
1993	11	2	5	176.66	114.99	95.43	176.66	123.58	88.91	176.66	125.24	87.63
1993	11	3	5	568.60	492.81	99.28	568.60	501.19	92.07	568.60	502.83	90.66
1993	11	4	5	355.12	289.38	99.28	355.12	297.84	92.07	355.12	299.50	90.66
1993	11	5	5	269.47	206.72	99.28	269.47	215.14	92.07	269.47	216.79	90.66
1993	11	6	5	220.00	159.04	99.28	220.00	167.49	92.07	220.00	169.14	90.66
1993	12	1	5	184.88	124.34	96.86	184.88	132.73	90.08	184.88	134.37	88.76
1993	12	2	5	171.52	115.87	95.57	171.52	124.26	89.02	171.52	125.90	87.74
1993	12	3	5	177.55	123.06	96.67	177.55	131.45	89.93	177.55	133.09	88.61
1993	12	4	5	153.80	110.47	94.74	153.80	118.85	88.34	153.80	121.14	87.09
1993	12	5	5	154.55	111.38	94.88	154.55	120.32	88.46	154.55	122.27	87.20
1993	12	6	6	140.67	97.32	92.74	140.67	106.35	86.70	140.67	108.05	85.52
1993	1	1	5	122.55	89.87	89.87	122.55	87.90	84.34	122.55	89.61	83.26
1993	1	2	5	122.11	89.94	89.94	122.11	88.11	84.40	122.11	89.82	83.32
1993	1	3	5	133.12	91.66	91.66	133.12	99.71	85.81	133.12	101.42	84.67
1993	1	4	5	127.16	90.61	90.61	127.16	92.48	84.95	127.16	94.19	83.85
1993	1	5	5	116.83	89.28	89.28	116.83	83.86	83.86	116.83	84.64	82.80
1993	1	6	6	117.96	89.37	89.37	117.96	83.93	83.93	117.96	85.82	82.87
1993	2	1	5	109.51	89.28	89.28	109.51	83.86	83.86	109.51	82.80	82.80
1993	2	2	5	116.51	89.28	89.28	116.51	83.86	83.86	116.51	82.80	82.80
1993	2	3	5	116.45	89.28	89.28	116.45	83.86	83.86	116.45	84.11	82.80
1993	2	4	5	111.48	89.28	89.28	111.48	83.86	83.86	111.48	82.80	82.80
1993	2	5	5	179.24	98.83	97.77	179.24	127.69	90.83	179.24	139.31	89.47
1993	2	6	3	123.13	90.03	90.03	123.13	89.02	84.48	123.13	91.26	83.39
1993	3	1	5	119.55	89.28	89.28	119.55	85.00	83.86	119.55	86.86	82.80
1993	3	2	5	147.31	90.68	90.68	147.31	112.05	85.01	147.31	114.19	83.90
1993	3	3	5	154.57	91.77	91.77	154.57	119.53	85.90	154.57	121.20	84.76
1993	3	4	5	132.70	89.28	89.28	132.70	95.83	83.86	132.70	97.51	82.80
1993	3	5	5	191.52	103.57	94.44	191.52	140.25	88.10	191.52	142.01	86.86
1993	3	6	6	157.50	90.87	90.87	157.50	112.23	85.17	157.50	113.93	84.05

栗橋地点利水計算結果(1994年度)

単位: m³/s

年度	月	半旬	日数	切下げなし			切下げ率17.9%			切下げ率21.4%		
				自然	操作後	確保量	自然	操作後	確保量	自然	操作後	確保量
1994	4	1	5	204.42	101.30	96.84	204.42	126.49	90.07	204.42	128.22	88.74
1994	4	2	5	257.87	158.97	103.55	257.87	169.25	95.58	257.87	170.98	94.02
1994	4	3	5	258.43	197.47	105.44	258.43	207.32	97.13	258.43	209.04	95.50
1994	4	4	5	271.08	221.68	105.44	271.08	231.27	97.13	271.08	233.02	95.50
1994	4	5	5	281.07	232.50	105.44	281.07	241.93	97.13	281.07	243.67	95.50
1994	4	6	5	220.48	181.70	98.43	220.48	182.06	91.37	220.48	183.78	89.99
1994	5	1	5	260.77	203.11	112.55	260.77	220.98	102.96	260.77	222.70	101.09
1994	5	2	5	204.89	163.02	107.09	204.89	164.14	98.48	204.89	165.91	96.80
1994	5	3	5	248.39	190.05	114.92	248.39	208.36	104.91	248.39	210.09	102.95
1994	5	4	5	231.84	182.00	116.37	231.84	191.41	106.10	231.84	193.13	104.09
1994	5	5	5	130.94	143.78	107.26	130.94	129.84	98.62	130.94	127.11	96.93
1994	5	6	6	490.80	364.67	117.16	490.80	396.55	106.75	490.80	401.10	104.71
1994	6	1	5	158.14	115.66	107.52	158.14	109.26	98.83	158.14	111.14	97.14
1994	6	2	5	122.29	112.70	107.52	122.29	98.83	98.83	122.29	97.14	97.14
1994	6	3	5	178.94	107.52	107.52	178.94	107.62	98.83	178.94	112.23	97.14
1994	6	4	5	139.42	141.51	115.30	139.42	224.00	105.22	139.42	228.82	103.25
1994	6	5	5	123.85	193.97	116.64	123.85	215.32	106.32	123.85	217.88	104.31
1994	6	6	5	119.04	187.95	114.27	119.04	202.38	104.38	119.04	204.96	102.44
1994	7	1	5	81.66	106.91	106.91	81.66	98.33	98.33	81.66	96.66	96.66
1994	7	2	5	115.33	106.91	106.91	115.33	98.33	98.33	115.33	96.66	96.66
1994	7	3	5	62.65	117.82	106.91	62.65	101.01	98.33	62.65	97.72	96.66
1994	7	4	5	232.66	152.46	115.15	232.66	150.01	105.10	232.66	151.09	103.13
1994	7	5	5	94.46	118.06	106.76	94.46	102.21	98.21	94.46	99.35	96.54
1994	7	6	6	101.84	145.84	106.76	101.84	131.67	98.21	101.84	129.18	96.54
1994	8	1	5	127.84	115.15	106.69	127.84	100.40	98.15	127.84	98.07	96.48
1994	8	2	5	77.24	119.13	106.69	77.24	100.73	98.15	77.24	97.58	96.48
1994	8	3	5	44.42	50.06	106.68	44.42	137.32	98.15	44.42	121.10	96.48
1994	8	4	5	53.88	33.17	106.68	53.88	135.04	98.15	53.88	129.23	96.48
1994	8	5	5	489.70	362.54	113.82	489.70	369.80	104.01	489.70	371.22	102.09
1994	8	6	6	145.88	103.82	103.82	145.88	95.80	95.80	145.88	94.23	94.23
1994	9	1	5	140.57	98.38	98.38	140.57	93.89	91.33	140.57	96.36	89.95
1994	9	2	5	220.21	131.29	105.67	220.21	148.06	97.32	220.21	149.50	95.68
1994	9	3	5	345.96	259.04	107.14	345.96	265.65	98.52	345.96	272.02	96.84
1994	9	4	5	1395.06	1209.87	104.86	1395.06	1235.67	96.65	1395.06	1247.78	95.05
1994	9	5	5	549.31	451.59	104.86	549.31	463.58	96.65	549.31	466.52	95.05
1994	9	6	5	1018.26	865.25	104.86	1018.26	874.16	96.65	1018.26	878.16	95.05
1994	10	1	5	1371.68	1134.74	101.82	1371.68	1143.88	94.16	1371.68	1151.29	92.66
1994	10	2	5	535.68	432.16	101.82	535.68	443.32	94.16	535.68	446.61	92.66
1994	10	3	5	351.07	274.14	101.82	351.07	282.65	94.16	351.07	284.36	92.66
1994	10	4	5	253.88	190.40	101.82	253.88	197.55	94.16	253.88	198.94	92.66
1994	10	5	5	268.93	195.71	101.82	268.93	202.86	94.16	268.93	204.26	92.66
1994	10	6	6	213.26	156.86	101.82	213.26	164.04	94.16	213.26	165.45	92.66
1994	11	1	5	181.74	125.79	96.66	181.74	133.19	89.92	181.74	134.64	88.60
1994	11	2	5	177.46	122.80	96.09	177.46	130.20	89.45	177.46	131.65	88.15
1994	11	3	5	150.25	101.27	92.68	150.25	104.72	86.65	150.25	105.41	85.47
1994	11	4	5	142.00	95.13	91.73	142.00	98.37	85.87	142.00	99.03	84.73
1994	11	5	5	148.60	104.80	93.22	148.60	108.40	87.09	148.60	109.06	85.90
1994	11	6	5	133.98	94.31	91.60	133.98	96.93	85.76	133.98	97.44	84.62
1994	12	1	5	132.47	90.41	90.41	132.47	89.84	84.79	132.47	90.45	83.69
1994	12	2	5	137.80	89.43	89.43	137.80	83.98	83.98	137.80	84.82	82.92
1994	12	3	5	142.28	90.11	90.11	142.28	88.57	84.54	142.28	89.81	83.45
1994	12	4	5	124.03	89.39	89.39	124.03	83.95	83.95	124.03	83.91	82.89
1994	12	5	5	119.24	89.28	89.28	119.24	83.86	83.86	119.24	82.80	82.80
1994	12	6	6	132.74	89.50	89.50	132.74	85.86	84.04	132.74	91.35	82.97
1994	1	1	5	106.11	89.28	89.28	106.11	83.86	83.86	106.11	82.80	82.80
1994	1	2	5	108.39	89.28	89.28	108.39	83.86	83.86	108.39	82.80	82.80
1994	1	3	5	105.68	89.28	89.28	105.68	83.86	83.86	105.68	82.80	82.80
1994	1	4	5	96.95	89.28	89.28	96.95	83.86	83.86	96.95	82.80	82.80
1994	1	5	5	111.91	89.28	89.28	111.91	83.86	83.86	111.91	82.80	82.80
1994	1	6	6	97.75	89.28	89.28	97.75	83.86	83.86	97.75	82.80	82.80
1994	2	1	5	94.13	89.28	89.28	94.13	83.86	83.86	94.13	82.80	82.80
1994	2	2	5	92.04	89.28	89.28	92.04	83.86	83.86	92.04	82.80	82.80
1994	2	3	5	93.45	89.28	89.28	93.45	83.86	83.86	93.45	82.80	82.80
1994	2	4	5	94.87	89.28	89.28	94.87	83.86	83.86	94.87	82.80	82.80
1994	2	5	5	88.69	89.28	89.28	88.69	83.86	83.86	88.69	82.80	82.80
1994	2	6	3	89.92	89.28	89.28	89.92	83.86	83.86	89.92	82.80	82.80
1994	3	1	5	102.73	89.28	89.28	102.73	83.86	83.86	102.73	82.80	82.80
1994	3	2	5	102.03	89.28	89.28	102.03	83.86	83.86	102.03	82.80	82.80
1994	3	3	5	133.91	89.28	89.28	133.91	83.86	83.86	133.91	82.80	82.80
1994	3	4	5	191.28	90.64	90.64	191.28	89.88	84.98	191.28	91.49	83.87
1994	3	5	5	168.14	89.28	89.28	168.14	83.86	83.86	168.14	82.80	82.80
1994	3	6	6	252.67	117.94	96.38	252.67	127.61	89.69	252.67	131.27	88.38

栗橋地点利水計算結果(1995年度)

単位: m³/s

年度	月	半旬	日	切下げなし			切下げ率17.9%			切下げ率21.4%		
				自然	操作後	確保量	自然	操作後	確保量	自然	操作後	確保量
				1995	4	1	5	364.61	228.91	104.79	364.61	257.57
1995	4	2	5	298.30	153.49	103.94	298.30	170.37	95.90	298.30	182.73	94.32
1995	4	3	5	270.11	152.94	105.44	270.11	169.24	97.13	270.11	174.79	95.50
1995	4	4	5	317.06	169.65	105.44	317.06	188.42	97.13	317.06	197.15	95.50
1995	4	5	5	396.50	241.50	105.44	396.50	266.68	97.13	396.50	270.59	95.50
1995	4	6	5	362.71	209.51	108.43	362.71	250.00	99.58	362.71	278.94	97.85
1995	5	1	5	459.54	320.49	117.02	459.54	380.50	106.63	459.54	397.86	104.60
1995	5	2	5	357.43	258.74	117.09	357.43	308.32	106.69	357.43	314.48	104.66
1995	5	3	5	558.68	457.85	117.29	558.68	501.67	106.86	558.68	503.37	104.82
1995	5	4	5	815.92	732.41	117.29	815.92	755.27	106.86	815.92	757.02	104.82
1995	5	5	5	354.25	287.78	117.26	354.25	307.44	106.83	354.25	309.16	104.79
1995	5	6	6	229.69	164.94	116.56	229.69	184.51	106.26	229.69	186.25	104.24
1995	6	1	5	251.37	182.98	117.52	251.37	203.33	107.04	251.37	205.21	105.00
1995	6	2	5	423.12	347.23	117.52	423.12	368.16	107.04	423.12	370.07	105.00
1995	6	3	5	571.16	469.93	117.52	571.16	490.66	107.04	571.16	492.50	105.00
1995	6	4	5	1024.16	1051.64	116.81	1024.16	1060.96	106.46	1024.16	1062.79	104.44
1995	6	5	5	607.56	656.30	116.81	607.56	665.56	106.46	607.56	667.37	104.44
1995	6	6	5	607.98	646.66	116.81	607.98	657.49	106.46	607.98	659.61	104.44
1995	7	1	5	452.54	373.65	116.91	452.54	384.55	106.54	452.54	391.11	104.52
1995	7	2	5	982.19	876.50	116.91	982.19	905.08	106.54	982.19	929.66	104.52
1995	7	3	5	889.68	810.53	116.91	889.68	833.33	106.54	889.68	835.69	104.52
1995	7	4	5	513.22	440.36	116.87	513.22	454.88	106.51	513.22	457.33	104.49
1995	7	5	5	379.77	308.13	116.76	379.77	320.38	106.42	379.77	322.88	104.40
1995	7	6	6	216.97	156.32	110.64	216.97	166.03	101.40	216.97	167.93	99.59
1995	8	1	5	130.45	106.69	106.69	130.45	98.15	98.15	130.45	96.48	96.48
1995	8	2	5	163.15	106.69	106.69	163.15	114.18	98.15	163.15	119.34	96.48
1995	8	3	5	93.10	106.68	106.68	93.10	98.15	98.15	93.10	96.48	96.48
1995	8	4	5	117.40	106.68	106.68	117.40	98.15	98.15	117.40	96.48	96.48
1995	8	5	5	238.61	145.29	111.69	238.61	151.68	102.26	238.61	156.20	100.41
1995	8	6	6	113.37	103.82	103.82	113.37	95.80	95.80	113.37	94.23	94.23
1995	9	1	5	147.45	98.63	98.63	147.45	91.54	91.54	147.45	90.15	90.15
1995	9	2	5	94.87	97.14	97.14	94.87	90.31	90.31	94.87	88.98	88.98
1995	9	3	5	116.06	97.14	97.14	116.06	90.31	90.31	116.06	88.98	88.98
1995	9	4	5	939.42	742.46	104.86	939.42	762.46	96.65	939.42	775.93	95.05
1995	9	5	5	257.46	190.38	104.86	257.46	206.69	96.65	257.46	208.03	95.05
1995	9	6	5	218.91	162.75	104.86	218.91	182.75	96.65	218.91	184.23	95.05
1995	10	1	5	267.14	175.11	101.82	267.14	182.22	94.16	267.14	183.61	92.66
1995	10	2	5	231.55	145.06	101.82	231.55	152.22	94.16	231.55	153.62	92.66
1995	10	3	5	179.70	125.81	98.83	179.70	129.28	91.70	179.70	130.14	90.31
1995	10	4	5	155.56	106.76	95.88	155.56	110.28	89.28	155.56	110.97	87.99
1995	10	5	5	142.00	93.22	93.22	142.00	93.67	87.09	142.00	95.12	85.90
1995	10	6	6	135.00	92.93	92.93	135.00	91.18	86.86	135.00	91.90	85.67
1995	11	1	5	117.42	89.28	89.28	117.42	83.86	83.86	117.42	82.80	82.80
1995	11	2	5	131.64	89.28	89.28	131.64	83.86	83.86	131.64	83.51	82.80
1995	11	3	5	124.63	89.28	89.28	124.63	83.86	83.86	124.63	82.80	82.80
1995	11	4	5	124.55	89.28	89.28	124.55	83.86	83.86	124.55	82.80	82.80
1995	11	5	5	125.29	89.28	89.28	125.29	83.86	83.86	125.29	82.80	82.80
1995	11	6	5	109.48	89.28	89.28	109.48	83.86	83.86	109.48	82.80	82.80
1995	12	1	5	99.00	89.28	89.28	99.00	83.86	83.86	99.00	82.80	82.80
1995	12	2	5	103.62	89.28	89.28	103.62	83.86	83.86	103.62	82.80	82.80
1995	12	3	5	100.17	89.28	89.28	100.17	83.86	83.86	100.17	82.80	82.80
1995	12	4	5	92.04	89.28	89.28	92.04	83.86	83.86	92.04	82.80	82.80
1995	12	5	5	94.57	89.28	89.28	94.57	83.86	83.86	94.57	82.80	82.80
1995	12	6	6	96.83	89.28	89.28	96.83	83.86	83.86	96.83	82.80	82.80
1995	1	1	5	85.07	89.28	89.28	85.07	83.86	83.86	85.07	82.80	82.80
1995	1	2	5	96.19	89.28	89.28	96.19	83.86	83.86	96.19	82.80	82.80
1995	1	3	5	90.51	89.28	89.28	90.51	83.86	83.86	90.51	82.80	82.80
1995	1	4	5	104.64	89.28	89.28	104.64	83.86	83.86	104.64	82.80	82.80
1995	1	5	5	85.90	89.28	89.28	85.90	83.86	83.86	85.90	82.80	82.80
1995	1	6	6	84.46	89.28	89.28	84.46	83.86	83.86	84.46	82.80	82.80
1995	2	1	5	84.09	76.01	89.28	84.09	83.86	83.86	84.09	82.80	82.80
1995	2	2	5	85.14	47.57	89.28	85.14	83.86	83.86	85.14	82.80	82.80
1995	2	3	5	84.95	43.37	89.28	84.95	83.86	83.86	84.95	82.80	82.80
1995	2	4	5	94.01	53.36	89.28	94.01	83.86	83.86	94.01	82.80	82.80
1995	2	5	5	81.35	44.13	89.28	81.35	83.86	83.86	81.35	82.80	82.80
1995	2	6	4	88.97	51.75	89.28	88.97	83.86	83.86	88.97	82.80	82.80
1995	3	1	5	80.05	38.89	89.28	80.05	83.86	83.86	80.05	82.80	82.80
1995	3	2	5	86.99	48.03	89.28	86.99	83.86	83.86	86.99	82.80	82.80
1995	3	3	5	82.51	37.96	89.28	82.51	83.86	83.86	82.51	82.80	82.80
1995	3	4	5	141.16	89.28	89.28	141.16	83.86	83.86	141.16	82.80	82.80
1995	3	5	5	154.55	89.28	89.28	154.55	83.86	83.86	154.55	82.80	82.80
1995	3	6	6	162.04	89.28	89.28	162.04	83.86	83.86	162.04	82.80	82.80

栗橋地点利水計算結果(1996年度)

単位: m^3/s

年度	月	半旬	日数	切下げなし			切下げ率17.9%			切下げ率21.4%		
				自然	操作後	確保量	自然	操作後	確保量	自然	操作後	確保量
1996	4	1	5	179.92	94.79	94.79	179.92	88.38	88.38	179.92	87.13	87.13
1996	4	2	5	132.06	95.13	95.13	132.06	88.66	88.66	132.06	87.40	87.40
1996	4	3	5	113.39	95.44	95.44	113.39	88.92	88.92	113.39	87.64	87.64
1996	4	4	5	245.13	95.44	95.44	245.13	96.45	88.92	245.13	103.82	87.64
1996	4	5	5	177.72	95.44	95.44	177.72	88.92	88.92	177.72	87.64	87.64
1996	4	6	5	311.66	130.97	100.89	311.66	130.01	93.39	311.66	134.30	91.93
1996	5	1	5	462.53	214.15	117.02	462.53	270.22	106.63	462.53	282.98	104.60
1996	5	2	5	442.34	269.22	117.09	442.34	304.99	106.69	442.34	334.12	104.66
1996	5	3	5	342.48	185.65	117.29	342.48	257.60	106.86	342.48	259.30	104.82
1996	5	4	5	287.76	195.08	117.29	287.76	207.51	106.86	287.76	228.31	104.82
1996	5	5	5	266.37	178.38	117.26	266.37	216.28	106.83	266.37	217.89	104.79
1996	5	6	6	268.90	203.71	117.16	268.90	218.98	106.75	268.90	220.51	104.71
1996	6	1	5	285.26	227.30	115.40	285.26	235.78	105.30	285.26	237.44	103.33
1996	6	2	5	165.12	142.34	107.52	165.12	127.23	98.83	165.12	122.17	97.14
1996	6	3	5	161.03	131.13	107.52	161.03	111.99	98.83	161.03	113.98	97.14
1996	6	4	5	146.87	130.79	106.81	146.87	181.46	98.25	146.87	207.08	96.58
1996	6	5	5	154.00	153.26	110.27	154.00	210.15	101.09	154.00	211.61	99.30
1996	6	6	5	310.24	334.06	116.81	310.24	354.09	106.46	310.24	355.70	104.44
1996	7	1	5	154.32	106.91	106.91	154.32	105.56	98.33	154.32	107.35	96.66
1996	7	2	5	274.64	198.22	116.91	274.64	216.87	106.54	274.64	218.46	104.52
1996	7	3	5	160.57	106.91	106.91	160.57	102.22	98.33	160.57	103.87	96.66
1996	7	4	5	165.07	106.87	106.87	165.07	110.19	98.30	165.07	111.82	96.63
1996	7	5	5	211.56	116.16	109.44	211.56	143.87	100.41	211.56	145.43	98.65
1996	7	6	6	125.32	106.76	106.76	125.32	98.21	98.21	125.32	96.54	96.54
1996	8	1	5	103.14	107.03	106.69	103.14	98.15	98.15	103.14	96.48	96.48
1996	8	2	5	26.06	120.03	106.69	26.06	103.70	98.15	26.06	100.53	96.48
1996	8	3	5	27.13	125.88	106.68	27.13	108.87	98.15	27.13	105.82	96.48
1996	8	4	5	21.17	129.24	106.68	21.17	111.50	98.15	21.17	104.47	96.48
1996	8	5	5	33.47	13.38	103.82	33.47	105.87	95.80	33.47	94.23	94.23
1996	8	6	6	126.20	75.08	103.82	126.20	95.80	95.80	126.20	94.23	94.23
1996	9	1	5	55.21	15.14	97.14	55.21	26.35	90.31	55.21	88.98	88.98
1996	9	2	5	257.31	142.05	107.14	257.31	150.74	98.52	257.31	152.43	96.84
1996	9	3	5	330.21	242.85	107.14	330.21	248.21	98.52	330.21	249.26	96.84
1996	9	4	5	192.78	147.62	104.71	192.78	144.74	96.53	192.78	144.17	94.93
1996	9	5	5	884.98	696.02	104.86	884.98	706.96	96.65	884.98	709.20	95.05
1996	9	6	5	287.40	216.39	104.86	287.40	223.06	96.65	287.40	224.36	95.05
1996	10	1	5	277.30	179.09	101.82	277.30	187.00	94.16	277.30	190.89	92.66
1996	10	2	5	326.68	203.69	101.82	326.68	211.13	94.16	326.68	212.59	92.66
1996	10	3	5	269.98	186.49	101.82	269.98	193.95	94.16	269.98	195.41	92.66
1996	10	4	5	230.78	152.83	101.82	230.78	160.13	94.16	230.78	161.59	92.66
1996	10	5	5	173.22	112.55	96.77	173.22	117.25	90.01	173.22	118.65	88.69
1996	10	6	6	146.46	94.47	93.99	146.46	97.41	87.73	146.46	97.99	86.50
1996	11	1	5	189.73	122.32	96.18	189.73	129.17	89.52	189.73	130.59	88.22
1996	11	2	5	187.74	113.18	94.81	187.74	119.70	88.40	187.74	120.97	87.15
1996	11	3	5	171.68	106.39	93.79	171.68	112.88	87.56	171.68	114.15	86.34
1996	11	4	5	145.67	90.42	90.42	145.67	90.98	84.80	145.67	92.25	83.70
1996	11	5	5	144.88	89.99	89.99	144.88	87.85	84.44	144.88	89.12	83.36
1996	11	6	5	144.87	89.28	89.28	144.87	83.86	83.86	144.87	82.80	82.80
1996	12	1	5	123.56	89.28	89.28	123.56	83.86	83.86	123.56	82.80	82.80
1996	12	2	5	125.56	89.28	89.28	125.56	83.86	83.86	125.56	82.80	82.80
1996	12	3	5	110.22	89.28	89.28	110.22	83.86	83.86	110.22	82.80	82.80
1996	12	4	5	130.16	89.28	89.28	130.16	83.86	83.86	130.16	82.80	82.80
1996	12	5	5	109.75	89.28	89.28	109.75	83.86	83.86	109.75	82.80	82.80
1996	12	6	6	102.38	89.28	89.28	102.38	83.86	83.86	102.38	82.80	82.80
1996	1	1	5	100.38	89.28	89.28	100.38	83.86	83.86	100.38	82.80	82.80
1996	1	2	5	136.33	90.68	90.68	136.33	85.01	85.01	136.33	83.90	83.90
1996	1	3	5	101.38	89.28	89.28	101.38	83.86	83.86	101.38	82.80	82.80
1996	1	4	5	93.98	89.28	89.28	93.98	83.86	83.86	93.98	82.80	82.80
1996	1	5	5	99.78	89.28	89.28	99.78	83.86	83.86	99.78	82.80	82.80
1996	1	6	6	93.41	89.28	89.28	93.41	83.86	83.86	93.41	82.80	82.80
1996	2	1	5	101.25	89.28	89.28	101.25	83.86	83.86	101.25	82.80	82.80
1996	2	2	5	92.63	89.28	89.28	92.63	83.86	83.86	92.63	82.80	82.80
1996	2	3	5	102.64	89.28	89.28	102.64	83.86	83.86	102.64	82.80	82.80
1996	2	4	5	98.99	62.40	89.28	98.99	83.86	83.86	98.99	82.80	82.80
1996	2	5	5	86.81	49.00	89.28	86.81	83.86	83.86	86.81	82.80	82.80
1996	2	6	3	110.23	64.35	89.28	110.23	83.86	83.86	110.23	82.80	82.80
1996	3	1	5	107.03	61.24	89.28	107.03	83.86	83.86	107.03	82.80	82.80
1996	3	2	5	118.34	71.47	89.28	118.34	83.86	83.86	118.34	82.80	82.80
1996	3	3	5	121.49	75.36	89.28	121.49	83.86	83.86	121.49	82.80	82.80
1996	3	4	5	144.50	89.28	89.28	144.50	83.86	83.86	144.50	82.80	82.80
1996	3	5	5	136.93	89.28	89.28	136.93	83.86	83.86	136.93	82.80	82.80
1996	3	6	6	187.32	89.28	89.28	187.32	83.86	83.86	187.32	82.80	82.80

栗橋地点利水計算結果(1997年度)

単位：m³/s

年度	月	半月	日	切下げなし			切下げ率17.9%			切下げ率21.4%		
				自然	操作後	確保量	自然	操作後	確保量	自然	操作後	確保量
1997	4	1	5	237.45	94.79	94.79	237.45	88.38	88.38	237.45	87.13	87.13
1997	4	2	5	646.29	387.66	105.13	646.29	420.13	96.87	646.29	422.73	95.26
1997	4	3	5	293.03	154.79	105.44	293.03	169.72	97.13	293.03	172.13	95.50
1997	4	4	5	199.77	111.52	95.83	199.77	98.08	89.24	199.77	104.52	87.95
1997	4	5	5	167.68	151.53	95.44	167.68	138.34	88.92	167.68	135.76	87.64
1997	4	6	5	170.99	165.25	98.43	170.99	151.23	91.37	170.99	148.49	89.99
1997	5	1	5	201.52	171.07	107.02	201.52	155.21	98.42	201.52	152.11	96.74
1997	5	2	5	213.84	141.76	107.09	213.84	127.63	98.48	213.84	124.87	96.80
1997	5	3	5	179.40	136.39	107.29	179.40	122.61	98.65	179.40	119.82	96.96
1997	5	4	5	182.79	107.29	107.29	182.79	98.65	98.65	182.79	96.96	96.96
1997	5	5	5	532.15	324.53	117.26	532.15	346.34	106.83	532.15	369.24	104.79
1997	5	6	6	577.35	431.34	117.16	577.35	482.81	106.75	577.35	506.14	104.71
1997	6	1	5	175.32	107.52	107.52	175.32	98.83	98.83	175.32	124.31	97.14
1997	6	2	5	144.47	107.52	107.52	144.47	98.83	98.83	144.47	98.69	97.14
1997	6	3	5	250.32	136.56	114.95	250.32	182.12	104.93	250.32	200.24	102.98
1997	6	4	5	215.40	124.31	116.81	215.40	247.97	106.46	215.40	259.35	104.44
1997	6	5	5	746.18	713.60	116.81	746.18	789.20	106.46	746.18	791.01	104.44
1997	6	6	5	251.03	252.63	116.81	251.03	308.25	106.46	251.03	310.37	104.44
1997	7	1	5	124.35	106.91	106.91	124.35	98.33	98.33	124.35	96.66	96.66
1997	7	2	5	96.92	128.81	106.91	96.92	114.17	98.33	96.92	112.39	96.66
1997	7	3	5	232.19	134.75	112.43	232.19	139.97	102.87	232.19	142.26	101.00
1997	7	4	5	216.42	106.87	106.87	216.42	122.90	98.30	216.42	125.46	96.63
1997	7	5	5	91.04	117.88	106.76	91.04	103.16	98.21	91.04	100.25	96.54
1997	7	6	6	394.54	254.62	116.76	394.54	303.36	106.42	394.54	308.10	104.40
1997	8	1	5	417.37	331.86	116.69	417.37	347.26	106.36	417.37	348.98	104.34
1997	8	2	5	360.74	290.94	116.69	360.74	303.98	106.36	360.74	305.90	104.34
1997	8	3	5	251.50	188.90	116.68	251.50	199.47	106.36	251.50	201.50	104.34
1997	8	4	5	155.31	106.85	106.68	155.31	115.52	98.15	155.31	117.22	96.48
1997	8	5	5	130.18	103.82	103.82	130.18	95.80	95.80	130.18	94.23	94.23
1997	8	6	6	268.02	189.79	113.82	268.02	212.04	104.01	268.02	217.12	102.09
1997	9	1	5	254.10	207.89	107.14	254.10	217.58	98.52	254.10	219.14	96.84
1997	9	2	5	272.36	207.51	107.14	272.36	218.79	98.52	272.36	221.06	96.84
1997	9	3	5	358.07	280.81	107.14	358.07	292.84	98.52	358.07	294.47	96.84
1997	9	4	5	584.77	490.16	104.86	584.77	501.25	96.65	584.77	503.17	95.05
1997	9	5	5	408.55	329.65	104.86	408.55	339.63	96.65	408.55	349.95	95.05
1997	9	6	5	567.22	476.79	104.86	567.22	512.15	96.65	567.22	514.67	95.05
1997	10	1	5	295.65	197.95	101.82	295.65	206.34	94.16	295.65	207.98	92.66
1997	10	2	5	220.15	132.68	101.82	220.15	139.84	94.16	220.15	141.24	92.66
1997	10	3	5	177.38	115.45	97.28	177.38	122.62	90.43	177.38	124.03	89.09
1997	10	4	5	151.11	98.25	94.56	151.11	101.98	88.19	151.11	103.43	86.95
1997	10	5	5	134.61	93.36	93.36	134.61	93.11	87.21	134.61	93.79	86.01
1997	10	6	6	130.99	91.82	91.82	130.99	85.95	85.95	130.99	84.80	84.80
1997	11	1	5	120.34	89.28	89.28	120.34	83.86	83.86	120.34	82.80	82.80
1997	11	2	5	110.02	89.28	89.28	110.02	83.86	83.86	110.02	82.80	82.80
1997	11	3	5	115.88	89.28	89.28	115.88	83.86	83.86	115.88	82.80	82.80
1997	11	4	5	162.69	92.15	92.15	162.69	95.48	86.22	162.69	98.64	85.06
1997	11	5	5	176.17	89.49	89.49	176.17	84.03	84.03	176.17	85.14	82.97
1997	11	6	5	280.35	97.98	97.98	280.35	121.92	91.00	280.35	130.37	89.64
1997	12	1	5	258.90	137.13	99.28	258.90	200.10	92.07	258.90	205.03	90.66
1997	12	2	5	204.17	100.08	98.32	204.17	147.13	91.28	204.17	148.78	89.91
1997	12	3	5	171.24	99.78	94.45	171.24	119.72	88.10	171.24	121.42	86.86
1997	12	4	5	148.84	92.45	92.45	148.84	106.76	86.46	148.84	108.46	85.29
1997	12	5	5	124.59	89.45	89.45	124.59	84.73	84.00	124.59	86.42	82.93
1997	12	6	6	112.81	89.28	89.28	112.81	83.86	83.86	112.81	82.80	82.80
1997	1	1	5	103.07	89.28	89.28	103.07	83.86	83.86	103.07	82.80	82.80
1997	1	2	5	121.90	89.28	89.28	121.90	83.86	83.86	121.90	82.80	82.80
1997	1	3	5	128.53	90.21	90.21	128.53	84.62	84.62	128.53	83.53	83.53
1997	1	4	5	208.52	110.95	99.28	208.52	139.10	92.07	208.52	151.66	90.66
1997	1	5	5	168.12	95.97	95.97	168.12	128.22	89.35	168.12	130.59	88.06
1997	1	6	6	135.67	91.42	91.42	135.67	96.82	85.62	135.67	98.38	84.48
1997	2	1	5	122.50	90.06	90.06	122.50	88.97	84.50	122.50	89.78	83.41
1997	2	2	5	120.55	89.76	89.76	120.55	84.96	84.25	120.55	85.79	83.18
1997	2	3	5	129.83	89.28	89.28	129.83	85.24	83.86	129.83	88.07	82.80
1997	2	4	5	160.52	93.58	93.58	160.52	114.10	87.39	160.52	115.52	86.18
1997	2	5	5	256.43	174.99	99.28	256.43	212.27	92.07	256.43	213.96	90.66
1997	2	6	3	224.10	148.81	99.28	224.10	181.93	92.07	224.10	183.57	90.66
1997	3	1	5	319.71	250.43	99.28	319.71	272.93	92.07	319.71	274.65	90.66
1997	3	2	5	208.39	154.16	99.23	208.39	166.53	92.03	208.39	168.20	90.62
1997	3	3	5	233.21	178.03	99.28	233.21	187.36	92.07	233.21	189.00	90.66
1997	3	4	5	199.22	146.52	97.63	199.22	154.95	90.72	199.22	156.60	89.36
1997	3	5	5	199.87	134.97	95.90	199.87	143.71	89.29	199.87	145.42	88.00
1997	3	6	6	230.13	144.24	99.28	230.13	166.37	92.07	230.13	168.87	90.66

栗橋地点利水計算結果(1998年度)

単位:m³/s

年度	月	半月	日	切下げなし			切下げ率17.9%			切下げ率21.4%		
				自然	操作後	確保量	自然	操作後	確保量	自然	操作後	確保量
1998	4	1	5	272.33	214.25	104.79	272.33	222.99	96.59	272.33	224.76	94.99
1998	4	2	5	474.28	403.20	105.13	474.28	412.21	96.87	474.28	413.97	95.26
1998	4	3	5	634.32	565.50	105.44	634.32	574.44	97.13	634.32	576.19	95.50
1998	4	4	5	807.11	740.81	105.44	807.11	749.91	97.13	807.11	751.69	95.50
1998	4	5	5	433.94	375.59	105.44	433.94	384.37	97.13	433.94	386.11	95.50
1998	4	6	5	424.07	368.71	108.43	424.07	377.33	99.58	424.07	379.02	97.85
1998	5	1	5	288.03	234.23	117.02	288.03	242.89	106.63	288.03	244.59	104.60
1998	5	2	5	224.38	170.33	115.76	224.38	179.21	105.60	224.38	180.95	103.61
1998	5	3	5	234.30	181.57	117.29	234.30	190.27	106.86	234.30	191.97	104.82
1998	5	4	5	230.95	177.45	116.95	230.95	186.09	106.58	230.95	187.78	104.55
1998	5	5	5	181.27	126.98	109.23	181.27	135.80	100.24	181.27	139.43	98.48
1998	5	6	6	259.63	203.74	117.16	259.63	212.62	106.75	259.63	217.45	104.71
1998	6	1	5	136.36	107.52	107.52	136.36	98.83	98.83	136.36	97.14	97.14
1998	6	2	5	169.52	107.52	107.52	169.52	113.26	98.83	169.52	123.21	97.14
1998	6	3	5	244.04	173.05	117.52	244.04	197.26	107.04	244.04	205.87	105.00
1998	6	4	5	173.54	201.89	115.84	173.54	242.16	105.67	173.54	254.48	103.68
1998	6	5	5	416.62	450.24	116.81	416.62	510.23	106.46	416.62	512.25	104.44
1998	6	6	5	207.86	273.31	116.81	207.86	290.67	106.46	207.86	293.15	104.44
1998	7	1	5	119.57	106.91	106.91	119.57	98.33	98.33	119.57	96.66	96.66
1998	7	2	5	190.84	117.10	109.66	190.84	127.67	100.59	190.84	132.09	98.82
1998	7	3	5	221.74	174.36	115.61	221.74	182.72	105.48	221.74	184.36	103.50
1998	7	4	5	117.37	106.87	106.87	117.37	98.30	98.30	117.37	96.63	96.63
1998	7	5	5	322.21	235.71	116.76	322.21	249.81	106.42	322.21	254.94	104.40
1998	7	6	6	571.28	485.54	116.76	571.28	507.09	106.42	571.28	511.93	104.40
1998	8	1	5	469.80	365.13	116.69	469.80	374.42	106.36	469.80	376.21	104.34
1998	8	2	5	323.90	245.56	116.69	323.90	254.69	106.36	323.90	258.85	104.34
1998	8	3	5	182.76	106.68	106.68	182.76	120.81	98.15	182.76	127.78	96.48
1998	8	4	5	272.83	177.54	116.68	272.83	217.47	106.36	272.83	219.81	104.34
1998	8	5	5	205.69	139.38	107.79	205.69	151.39	99.06	205.69	153.58	97.35
1998	8	6	6	2138.18	2064.57	113.82	2138.18	2086.11	104.01	2138.18	2088.87	102.09
1998	9	1	5	1536.71	1460.52	107.14	1536.71	1490.89	98.52	1536.71	1492.84	96.84
1998	9	2	5	561.66	507.53	107.14	561.66	517.22	98.52	561.66	519.11	96.84
1998	9	3	5	352.97	300.61	107.14	352.97	309.98	98.52	352.97	311.82	96.84
1998	9	4	5	2762.42	2702.47	104.86	2762.42	2713.20	96.65	2762.42	2715.30	95.05
1998	9	5	5	1247.10	1186.31	104.86	1247.10	1197.19	96.65	1247.10	1199.32	95.05
1998	9	6	5	1089.49	1040.68	104.86	1089.49	1049.42	96.65	1089.49	1051.13	95.05
1998	10	1	5	864.67	700.65	101.82	864.67	709.62	94.16	864.67	711.41	92.66
1998	10	2	5	520.24	390.84	101.82	520.24	399.46	94.16	520.24	401.14	92.66
1998	10	3	5	394.51	305.73	101.82	394.51	314.18	94.16	394.51	315.83	92.66
1998	10	4	5	867.00	767.16	101.82	867.00	775.81	94.16	867.00	777.49	92.66
1998	10	5	5	675.59	581.30	101.82	675.59	590.52	94.16	675.59	592.28	92.66
1998	10	6	6	410.57	344.51	101.82	410.57	353.14	94.16	410.57	354.83	92.66
1998	11	1	5	294.85	230.11	99.28	294.85	238.85	92.07	294.85	240.56	90.66
1998	11	2	5	254.06	190.81	99.28	254.06	199.59	92.07	254.06	201.31	90.66
1998	11	3	5	223.10	161.74	99.28	223.10	170.41	92.07	223.10	172.10	90.66
1998	11	4	5	198.01	136.43	98.70	198.01	145.18	91.59	198.01	146.89	90.20
1998	11	5	5	177.43	116.64	95.69	177.43	125.35	89.12	177.43	127.05	87.84
1998	11	6	5	166.18	114.29	95.33	166.18	123.02	88.83	166.18	124.73	87.56
1998	12	1	5	163.28	114.95	95.43	163.28	123.62	88.91	163.28	125.32	87.63
1998	12	2	5	195.58	147.15	99.28	195.58	155.83	92.07	195.58	157.53	90.66
1998	12	3	5	144.84	101.37	92.96	144.84	109.14	86.88	144.84	110.66	85.69
1998	12	4	5	137.38	91.18	91.18	137.38	97.65	85.42	137.38	99.09	84.29
1998	12	5	5	128.85	90.23	90.23	128.85	90.14	84.64	128.85	91.59	83.55
1998	12	6	6	120.02	89.28	89.28	120.02	85.33	83.86	120.02	86.83	82.80
1998	1	1	5	109.55	89.28	89.28	109.55	83.86	83.86	109.55	82.80	82.80
1998	1	2	5	113.40	89.28	89.28	113.40	83.86	83.86	113.40	82.80	82.80
1998	1	3	5	111.12	89.28	89.28	111.12	83.86	83.86	111.12	82.80	82.80
1998	1	4	5	107.16	89.28	89.28	107.16	83.86	83.86	107.16	82.80	82.80
1998	1	5	5	103.93	89.28	89.28	103.93	83.86	83.86	103.93	82.80	82.80
1998	1	6	6	112.54	89.28	89.28	112.54	83.86	83.86	112.54	82.80	82.80
1998	2	1	5	104.54	89.28	89.28	104.54	83.86	83.86	104.54	82.80	82.80
1998	2	2	5	100.31	89.28	89.28	100.31	83.86	83.86	100.31	82.80	82.80
1998	2	3	5	93.18	89.28	89.28	93.18	83.86	83.86	93.18	82.80	82.80
1998	2	4	5	101.62	89.28	89.28	101.62	83.86	83.86	101.62	82.80	82.80
1998	2	5	5	96.41	89.28	89.28	96.41	83.86	83.86	96.41	82.80	82.80
1998	2	6	3	94.88	89.28	89.28	94.88	83.86	83.86	94.88	82.80	82.80
1998	3	1	5	99.72	89.28	89.28	99.72	83.86	83.86	99.72	82.80	82.80
1998	3	2	5	110.53	89.28	89.28	110.53	83.86	83.86	110.53	82.80	82.80
1998	3	3	5	135.00	89.28	89.28	135.00	83.86	83.86	135.00	82.80	82.80
1998	3	4	5	301.85	132.76	99.16	301.85	149.71	91.97	301.85	154.93	90.57
1998	3	5	5	221.49	108.15	95.51	221.49	127.82	88.97	221.49	150.63	87.70
1998	3	6	6	227.66	108.23	98.54	227.66	159.27	91.46	227.66	167.55	90.08

栗橋地点利水計算結果(1999年度)

単位: m³/s

年度	月	半	日	日数	切下げなし			切下げ率17.9%			切下げ率21.4%		
					自然	操作後	確保量	自然	操作後	確保量	自然	操作後	確保量
1999	4	1	5		190.80	103.58	98.27	190.80	149.17	91.24	190.80	150.87	89.87
1999	4	2	5		175.95	96.63	96.63	175.95	134.01	89.89	175.95	135.71	88.58
1999	4	3	5		454.44	349.38	105.44	454.44	391.85	97.13	454.44	393.60	95.50
1999	4	4	5		274.76	203.26	105.44	274.76	228.64	97.13	274.76	230.37	95.50
1999	4	5	5		419.32	350.62	105.44	419.32	359.69	97.13	419.32	366.10	95.50
1999	4	6	5		651.47	583.73	108.43	651.47	601.40	99.58	651.47	608.55	97.85
1999	5	1	5		372.65	312.56	117.02	372.65	328.75	106.63	372.65	330.50	104.60
1999	5	2	5		433.97	375.77	117.09	433.97	390.69	106.69	433.97	392.48	104.66
1999	5	3	5		241.35	187.45	117.29	241.35	199.99	106.86	241.35	201.75	104.82
1999	5	4	5		203.24	151.90	113.01	203.24	162.04	103.34	203.24	163.79	101.45
1999	5	5	5		134.70	107.26	107.26	134.70	98.62	98.62	134.70	96.93	96.93
1999	5	6	6		157.81	111.06	107.16	157.81	109.70	98.54	157.81	114.32	96.85
1999	6	1	5		99.51	116.73	107.52	99.51	98.83	98.83	99.51	97.14	97.14
1999	6	2	5		79.70	107.52	107.52	79.70	98.83	98.83	79.70	97.14	97.14
1999	6	3	5		34.28	107.52	107.52	34.28	98.83	98.83	34.28	97.14	97.14
1999	6	4	5		138.85	106.81	106.81	138.85	98.25	98.25	138.85	96.58	96.58
1999	6	5	5		100.10	106.81	106.81	100.10	116.95	98.25	100.10	121.31	96.58
1999	6	6	5		498.74	399.49	116.81	498.74	543.32	106.46	498.74	560.57	104.44
1999	7	1	5		819.67	723.16	116.91	819.67	765.49	106.54	819.67	767.89	104.52
1999	7	2	5		342.12	269.99	116.91	342.12	287.27	106.54	342.12	289.57	104.52
1999	7	3	5		1483.99	1415.75	116.91	1483.99	1431.56	106.54	1483.99	1433.90	104.52
1999	7	4	5		1226.54	1157.27	116.87	1226.54	1171.97	106.51	1226.54	1174.39	104.49
1999	7	5	5		699.41	628.58	116.76	699.41	642.93	106.42	699.41	646.04	104.40
1999	7	6	6		299.95	235.52	116.76	299.95	246.92	106.42	299.95	249.15	104.40
1999	8	1	5		137.56	106.69	106.69	137.56	98.15	98.15	137.56	98.13	96.48
1999	8	2	5		245.18	181.08	116.69	245.18	205.24	106.36	245.18	208.15	104.34
1999	8	3	5		1761.03	1653.18	116.68	1761.03	1668.09	106.36	1761.03	1671.00	104.34
1999	8	4	5		1707.17	1612.71	116.68	1707.17	1628.51	106.36	1707.17	1631.60	104.34
1999	8	5	5		743.47	652.86	113.82	743.47	665.51	104.01	743.47	667.99	102.09
1999	8	6	6		410.18	348.91	113.82	410.18	358.99	104.01	410.18	360.96	102.09
1999	9	1	5		253.20	200.03	107.14	253.20	208.07	98.52	253.20	209.64	96.84
1999	9	2	5		216.76	171.18	107.14	216.76	179.33	98.52	216.76	180.93	96.84
1999	9	3	5		212.66	147.44	106.97	212.66	160.58	98.38	212.66	163.14	96.70
1999	9	4	5		501.91	441.91	104.86	501.91	452.64	96.65	501.91	454.74	95.05
1999	9	5	5		1035.38	962.78	104.86	1035.38	973.66	96.65	1035.38	975.78	95.05
1999	9	6	5		423.17	374.36	104.86	423.17	383.10	96.65	423.17	384.81	95.05
1999	10	1	5		304.08	209.72	101.82	304.08	216.83	94.16	304.08	218.22	92.66
1999	10	2	5		222.73	141.22	101.82	222.73	148.38	94.16	222.73	149.78	92.66
1999	10	3	5		208.86	142.08	101.82	208.86	151.70	94.16	208.86	153.58	92.66
1999	10	4	5		187.60	129.56	99.59	187.60	136.71	92.32	187.60	138.11	90.90
1999	10	5	5		159.07	103.40	95.35	159.07	109.83	88.84	159.07	111.28	87.57
1999	10	6	6		415.87	282.31	101.82	415.87	293.75	94.16	415.87	295.83	92.66
1999	11	1	5		263.28	170.38	99.28	263.28	179.01	92.07	263.28	180.88	90.66
1999	11	2	5		183.22	114.14	95.39	183.22	123.54	88.88	183.22	125.17	87.60
1999	11	3	5		181.91	110.19	95.09	181.91	118.57	88.63	181.91	120.21	87.37
1999	11	4	5		202.38	128.41	98.03	202.38	136.87	91.04	202.38	138.53	89.68
1999	11	5	5		165.66	96.29	93.11	165.66	104.71	87.00	165.66	106.35	85.81
1999	11	6	5		148.46	90.88	90.88	148.46	93.09	85.17	148.46	94.51	84.06
1999	12	1	5		145.53	92.07	92.07	145.53	100.56	86.15	145.53	102.42	84.99
1999	12	2	5		149.49	98.99	93.21	149.49	109.54	87.09	149.49	111.16	85.89
1999	12	3	5		137.15	91.41	91.41	137.15	98.04	85.61	137.15	99.65	84.47
1999	12	4	5		123.03	89.28	89.28	123.03	85.02	83.86	123.03	86.41	82.80
1999	12	5	5		121.94	89.28	89.28	121.94	84.74	83.86	121.94	86.13	82.80
1999	12	6	6		113.82	89.28	89.28	113.82	83.86	83.86	113.82	82.80	82.80
1999	1	1	5		107.33	89.28	89.28	107.33	83.86	83.86	107.33	82.80	82.80
1999	1	2	5		127.57	89.28	89.28	127.57	83.86	83.86	127.57	82.80	82.80
1999	1	3	5		153.15	91.56	91.56	153.15	96.31	85.73	153.15	106.92	84.59
1999	1	4	5		136.44	91.24	91.24	136.44	98.39	85.47	136.44	100.00	84.34
1999	1	5	5		124.35	89.65	89.65	124.35	87.67	84.16	124.35	89.18	83.09
1999	1	6	6		117.34	89.28	89.28	117.34	84.33	83.86	117.34	85.83	82.80
1999	2	1	5		112.84	89.28	89.28	112.84	83.86	83.86	112.84	82.80	82.80
1999	2	2	5		114.05	89.28	89.28	114.05	83.86	83.86	114.05	82.80	82.80
1999	2	3	5		109.48	89.28	89.28	109.48	83.86	83.86	109.48	82.80	82.80
1999	2	4	5		114.38	89.28	89.28	114.38	83.86	83.86	114.38	82.80	82.80
1999	2	5	5		104.69	89.28	89.28	104.69	83.86	83.86	104.69	82.80	82.80
1999	2	6	4		87.98	89.28	89.28	87.98	83.86	83.86	87.98	82.80	82.80
1999	3	1	5		88.09	89.28	89.28	88.09	83.86	83.86	88.09	82.80	82.80
1999	3	2	5		100.39	89.28	89.28	100.39	83.86	83.86	100.39	82.80	82.80
1999	3	3	5		84.13	89.28	89.28	84.13	83.86	83.86	84.13	82.80	82.80
1999	3	4	5		98.92	89.28	89.28	98.92	83.86	83.86	98.92	82.80	82.80
1999	3	5	5		106.49	89.28	89.28	106.49	83.86	83.86	106.49	82.80	82.80
1999	3	6	6		181.41	89.28	89.28	181.41	83.86	83.86	181.41	82.80	82.80

栗橋地点利水計算結果(2000年度)

単位: m^3/s

年度	月	半旬	日数	切下げなし			切下げ率17.9%			切下げ率21.4%		
				自然	操作後	確保量	自然	操作後	確保量	自然	操作後	確保量
				2000	4	1	5	153.03	94.79	94.79	153.03	88.38
2000	4	2	5	224.21	95.13	95.13	224.21	90.57	88.66	224.21	111.84	87.40
2000	4	3	5	301.15	146.15	105.44	301.15	227.79	97.13	301.15	236.13	95.50
2000	4	4	5	209.10	101.18	101.18	209.10	160.21	93.63	209.10	166.33	92.15
2000	4	5	5	595.99	432.64	105.44	595.99	531.08	97.13	595.99	532.79	95.50
2000	4	6	5	361.21	275.42	108.43	361.21	315.83	99.58	361.21	317.52	97.85
2000	5	1	5	388.47	331.75	117.02	388.47	346.33	106.63	388.47	348.03	104.60
2000	5	2	5	365.30	314.00	117.09	365.30	322.89	106.69	365.30	324.63	104.66
2000	5	3	5	443.67	392.72	117.29	443.67	401.42	106.86	443.67	403.12	104.82
2000	5	4	5	600.03	539.41	117.29	600.03	548.05	106.86	600.03	549.74	104.82
2000	5	5	5	446.22	390.17	117.26	446.22	398.99	106.83	446.22	400.71	104.79
2000	5	6	6	305.12	252.32	117.16	305.12	261.20	106.75	305.12	262.94	104.71
2000	6	1	5	221.99	165.44	115.00	221.99	175.06	104.98	221.99	176.94	103.02
2000	6	2	5	180.99	126.74	109.05	180.99	135.28	100.09	180.99	136.72	98.34
2000	6	3	5	376.10	307.67	117.52	376.10	319.91	107.04	376.10	322.21	105.00
2000	6	4	5	229.84	284.29	116.81	229.84	297.77	106.46	229.84	309.18	104.44
2000	6	5	5	348.01	393.53	116.81	348.01	441.82	106.46	348.01	443.84	104.44
2000	6	6	5	350.86	390.51	116.81	350.86	435.00	106.46	350.86	437.43	104.44
2000	7	1	5	500.12	428.92	116.91	500.12	441.38	106.54	500.12	443.82	104.52
2000	7	2	5	984.09	897.63	116.91	984.09	909.40	106.54	984.09	911.70	104.52
2000	7	3	5	325.41	257.21	116.91	325.41	269.29	106.54	325.41	271.65	104.52
2000	7	4	5	386.02	311.18	116.87	386.02	323.73	106.51	386.02	326.18	104.49
2000	7	5	5	329.93	260.96	116.76	329.93	271.01	106.42	329.93	273.13	104.40
2000	7	6	6	307.87	252.86	116.76	307.87	260.39	106.42	307.87	262.27	104.40
2000	8	1	5	228.12	160.31	113.63	228.12	172.19	103.85	228.12	174.42	101.94
2000	8	2	5	460.04	389.80	116.69	460.04	406.63	106.36	460.04	409.37	104.34
2000	8	3	5	321.90	259.05	116.68	321.90	270.11	106.36	321.90	272.27	104.34
2000	8	4	5	384.46	326.01	116.68	384.46	335.33	106.36	384.46	337.55	104.34
2000	8	5	5	203.56	154.40	109.94	203.56	160.45	100.82	203.56	162.73	99.04
2000	8	6	6	130.39	103.82	103.82	130.39	95.80	95.80	130.39	94.23	94.23
2000	9	1	5	116.01	97.14	97.14	116.01	90.31	90.31	116.01	88.98	88.98
2000	9	2	5	318.96	196.40	107.14	318.96	227.25	98.52	318.96	235.38	96.84
2000	9	3	5	1694.21	1570.82	107.14	1694.21	1632.32	98.52	1694.21	1637.55	96.84
2000	9	4	5	1130.29	1070.34	104.86	1130.29	1081.07	96.65	1130.29	1083.17	95.05
2000	9	5	5	711.80	651.01	104.86	711.80	661.89	96.65	711.80	664.02	95.05
2000	9	6	5	528.03	479.22	104.86	528.03	487.96	96.65	528.03	489.67	95.05
2000	10	1	5	391.87	290.01	101.82	391.87	298.40	94.16	391.87	300.04	92.66
2000	10	2	5	267.20	180.70	101.82	267.20	189.03	94.16	267.20	190.65	92.66
2000	10	3	5	207.57	136.96	100.56	207.57	144.13	93.12	207.57	145.54	91.67
2000	10	4	5	192.31	109.57	96.39	192.31	116.72	89.70	192.31	118.11	88.39
2000	10	5	5	361.86	258.74	101.82	361.86	267.29	94.16	361.86	268.96	92.66
2000	10	6	6	266.51	181.65	101.82	266.51	190.00	94.16	266.51	191.63	92.66
2000	11	1	5	334.28	244.00	99.28	334.28	254.79	92.07	334.28	256.90	90.66
2000	11	2	5	244.85	175.23	99.28	244.85	183.73	92.07	244.85	185.39	90.66
2000	11	3	5	194.61	128.20	97.70	194.61	136.58	90.77	194.61	138.22	89.42
2000	11	4	5	234.47	164.09	99.28	234.47	172.55	92.07	234.47	174.21	90.66
2000	11	5	5	219.78	149.56	99.28	219.78	157.98	92.07	219.78	159.62	90.66
2000	11	6	5	167.43	104.18	93.82	167.43	112.63	87.59	167.43	114.28	86.37
2000	12	1	5	154.42	94.18	92.26	154.42	102.57	86.31	154.42	104.22	85.14
2000	12	2	5	150.82	101.37	93.36	150.82	109.76	87.21	150.82	111.40	86.01
2000	12	3	5	144.29	97.17	92.45	144.29	105.41	86.46	144.29	107.02	85.29
2000	12	4	5	136.16	91.20	91.20	136.16	96.61	85.44	136.16	98.22	84.31
2000	12	5	5	134.38	90.89	90.89	134.38	93.76	85.18	134.38	95.40	84.07
2000	12	6	6	125.32	89.67	89.67	125.32	88.46	84.18	125.32	89.85	83.11
2000	1	1	5	110.99	89.28	89.28	110.99	83.86	83.86	110.99	82.80	82.80
2000	1	2	5	132.70	90.06	90.06	132.70	90.61	84.50	132.70	94.49	83.41
2000	1	3	5	124.28	89.94	89.94	124.28	88.38	84.40	124.28	89.84	83.32
2000	1	4	5	110.54	89.28	89.28	110.54	83.86	83.86	110.54	82.80	82.80
2000	1	5	5	105.18	89.28	89.28	105.18	83.86	83.86	105.18	82.80	82.80
2000	1	6	6	136.92	92.13	92.13	136.92	86.20	86.20	136.92	88.43	85.04
2000	2	1	5	106.71	89.28	89.28	106.71	83.86	83.86	106.71	82.80	82.80
2000	2	2	5	111.52	89.28	89.28	111.52	83.86	83.86	111.52	82.80	82.80
2000	2	3	5	99.20	89.28	89.28	99.20	83.86	83.86	99.20	82.80	82.80
2000	2	4	5	102.17	89.28	89.28	102.17	83.86	83.86	102.17	82.80	82.80
2000	2	5	5	133.44	89.28	89.28	133.44	83.86	83.86	133.44	82.80	82.80
2000	2	6	3	127.96	89.28	89.28	127.96	83.86	83.86	127.96	82.80	82.80
2000	3	1	5	192.22	100.87	95.35	192.22	110.92	88.84	192.22	117.85	87.57
2000	3	2	5	132.98	89.28	89.28	132.98	83.86	83.86	132.98	82.80	82.80
2000	3	3	5	118.79	89.28	89.28	118.79	83.86	83.86	118.79	82.80	82.80
2000	3	4	5	126.61	89.28	89.28	126.61	83.86	83.86	126.61	82.80	82.80
2000	3	5	5	202.78	90.29	90.29	202.78	101.26	84.69	202.78	125.01	83.59
2000	3	6	6	261.02	137.54	99.28	261.02	200.06	92.07	261.02	206.60	90.66

栗橋地点利水計算結果(2001年度)

単位：m³/s

年度	月	半月	日数	切下げなし			切下げ率17.9%			切下げ率21.4%		
				自然	操作後	確保量	自然	操作後	確保量	自然	操作後	確保量
2001	4	1	5	175.57	96.88	96.88	175.57	134.27	90.10	175.57	136.04	88.77
2001	4	2	5	232.98	105.13	105.13	232.98	191.82	96.87	232.98	193.58	95.26
2001	4	3	5	297.90	224.19	105.44	297.90	257.16	97.13	297.90	258.87	95.50
2001	4	4	5	238.21	186.98	105.44	238.21	197.63	97.13	238.21	199.36	95.50
2001	4	5	5	168.81	133.08	95.44	168.81	130.80	88.92	168.81	132.53	87.64
2001	4	6	5	178.70	118.60	100.53	178.70	141.00	93.10	178.70	142.69	91.64
2001	5	1	5	231.59	176.64	112.54	231.59	192.67	102.96	231.59	194.37	101.08
2001	5	2	5	229.67	175.21	116.25	229.67	188.77	106.00	229.67	190.51	104.00
2001	5	3	5	190.05	140.39	108.78	190.05	151.45	99.87	190.05	153.16	98.13
2001	5	4	5	175.64	127.00	109.01	175.64	135.91	100.06	175.64	137.38	98.31
2001	5	5	5	275.03	211.74	117.26	275.03	232.66	106.83	275.03	234.63	104.79
2001	5	6	6	229.45	168.88	116.37	229.45	186.37	106.10	229.45	188.21	104.09
2001	6	1	5	211.81	154.81	113.52	211.81	164.72	103.76	211.81	166.72	101.85
2001	6	2	5	199.35	138.96	111.04	199.35	150.69	101.72	199.35	152.74	99.90
2001	6	3	5	299.11	240.56	117.52	299.11	250.65	107.04	299.11	252.63	105.00
2001	6	4	5	478.35	558.63	116.81	478.35	568.86	106.46	478.35	570.86	104.44
2001	6	5	5	238.97	319.95	116.81	238.97	332.77	106.46	238.97	334.85	104.44
2001	6	6	5	223.07	294.81	116.81	223.07	307.23	106.46	223.07	309.66	104.44
2001	7	1	5	218.73	152.02	112.23	218.73	162.92	102.70	218.73	165.06	100.84
2001	7	2	5	86.77	118.03	106.91	86.77	102.96	98.33	86.77	99.43	96.66
2001	7	3	5	65.21	138.75	106.91	65.21	103.88	98.33	65.21	100.88	96.66
2001	7	4	5	277.21	163.15	116.62	277.21	180.87	106.31	277.21	185.01	104.29
2001	7	5	5	199.48	140.98	110.81	199.48	146.11	101.54	199.48	147.62	99.72
2001	7	6	6	123.28	106.95	106.76	123.28	98.21	98.21	123.28	96.54	96.54
2001	8	1	5	133.49	118.50	106.69	133.49	98.15	98.15	133.49	96.48	96.48
2001	8	2	5	81.71	117.43	106.69	81.71	98.15	98.15	81.71	96.48	96.48
2001	8	3	5	368.14	248.55	116.68	368.14	260.32	106.36	368.14	262.39	104.34
2001	8	4	5	121.56	106.68	106.68	121.56	98.15	98.15	121.56	96.48	96.48
2001	8	5	5	1780.67	1526.00	113.82	1780.67	1577.38	104.01	1780.67	1584.95	102.09
2001	8	6	6	1332.38	1215.81	113.82	1332.38	1229.35	104.01	1332.38	1233.09	102.09
2001	9	1	5	877.86	796.31	107.14	877.86	805.00	98.52	877.86	806.70	96.84
2001	9	2	5	955.55	781.50	107.14	955.55	847.73	98.52	955.55	864.45	96.84
2001	9	3	5	3470.84	3372.55	107.14	3470.84	3415.59	98.52	3470.84	3429.69	96.84
2001	9	4	5	692.43	621.60	104.86	692.43	643.21	96.65	692.43	645.31	95.05
2001	9	5	5	452.89	396.42	104.86	452.89	404.21	96.65	452.89	405.73	95.05
2001	9	6	5	335.01	287.60	104.86	335.01	295.17	96.65	335.01	296.66	95.05
2001	10	1	5	408.09	301.59	101.82	408.09	308.72	94.16	408.09	310.11	92.66
2001	10	2	5	359.79	223.97	101.82	359.79	230.71	94.16	359.79	232.02	92.66
2001	10	3	5	1099.69	971.51	101.82	1099.69	983.40	94.16	1099.69	985.26	92.66
2001	10	4	5	403.20	326.77	101.82	403.20	335.16	94.16	403.20	336.85	92.66
2001	10	5	5	394.11	316.94	101.82	394.11	325.37	94.16	394.11	327.04	92.66
2001	10	6	6	291.89	218.01	101.82	291.89	232.81	94.16	291.89	235.50	92.66
2001	11	1	5	291.27	216.28	99.28	291.27	232.04	92.07	291.27	233.69	90.66
2001	11	2	5	321.63	238.42	99.28	321.63	261.34	92.07	321.63	263.38	90.66
2001	11	3	5	243.60	180.00	99.28	243.60	192.39	92.07	243.60	194.08	90.66
2001	11	4	5	203.53	147.69	99.28	203.53	152.47	92.07	203.53	154.10	90.66
2001	11	5	5	178.69	128.67	97.05	178.69	132.51	90.24	178.69	133.26	88.91
2001	11	6	5	174.94	118.92	95.56	174.94	122.73	89.02	174.94	123.47	87.74
2001	12	1	5	162.73	103.47	93.69	162.73	112.59	87.48	162.73	115.16	86.27
2001	12	2	5	157.14	103.99	94.18	157.14	115.61	87.88	157.14	117.30	86.65
2001	12	3	5	149.27	95.58	93.36	149.27	110.30	87.21	149.27	111.99	86.01
2001	12	4	5	140.64	100.46	92.78	140.64	106.48	86.73	140.64	108.17	85.55
2001	12	5	5	137.37	92.00	92.00	137.37	101.78	86.09	137.37	103.44	84.94
2001	12	6	6	107.72	89.28	89.28	107.72	83.86	83.86	107.72	82.80	82.80
2001	1	1	5	148.40	90.83	90.83	148.40	85.13	85.13	148.40	85.54	84.02
2001	1	2	5	148.69	94.02	94.02	148.69	110.24	87.75	148.69	116.36	86.53
2001	1	3	5	157.82	94.39	94.09	157.82	115.10	87.81	157.82	116.79	86.58
2001	1	4	5	159.06	94.11	94.11	159.06	103.62	87.83	159.06	106.65	86.60
2001	1	5	5	262.74	190.31	99.28	262.74	214.33	92.07	262.74	215.88	90.66
2001	1	6	6	332.04	266.18	99.28	332.04	288.59	92.07	332.04	290.52	90.66
2001	2	1	5	203.17	151.10	99.28	203.17	163.33	92.07	203.17	165.03	90.66
2001	2	2	5	199.67	146.46	99.28	199.67	159.76	92.07	199.67	161.46	90.66
2001	2	3	5	169.05	118.00	96.15	169.05	129.69	89.50	169.05	131.39	88.20
2001	2	4	5	164.55	114.59	95.66	164.55	125.52	89.10	164.55	127.21	87.81
2001	2	5	5	166.22	116.40	95.89	166.22	127.15	89.29	166.22	128.83	88.00
2001	2	6	3	156.71	105.94	94.33	156.71	117.10	88.01	156.71	118.78	86.77
2001	3	1	5	193.19	141.25	98.86	193.19	151.68	91.73	193.19	153.39	90.33
2001	3	2	5	181.77	128.25	95.39	181.77	139.14	88.88	181.77	140.87	87.60
2001	3	3	5	154.01	99.66	90.99	154.01	111.35	85.26	154.01	113.04	84.14
2001	3	4	5	135.42	97.05	89.28	135.42	91.15	83.86	135.42	92.84	82.80
2001	3	5	5	134.55	89.28	89.28	134.55	92.09	83.86	134.55	93.89	82.80
2001	3	6	6	111.51	89.28	89.28	111.51	83.86	83.86	111.51	82.80	82.80

栗橋地点利水計算結果(2002年度)

単位：m³/s

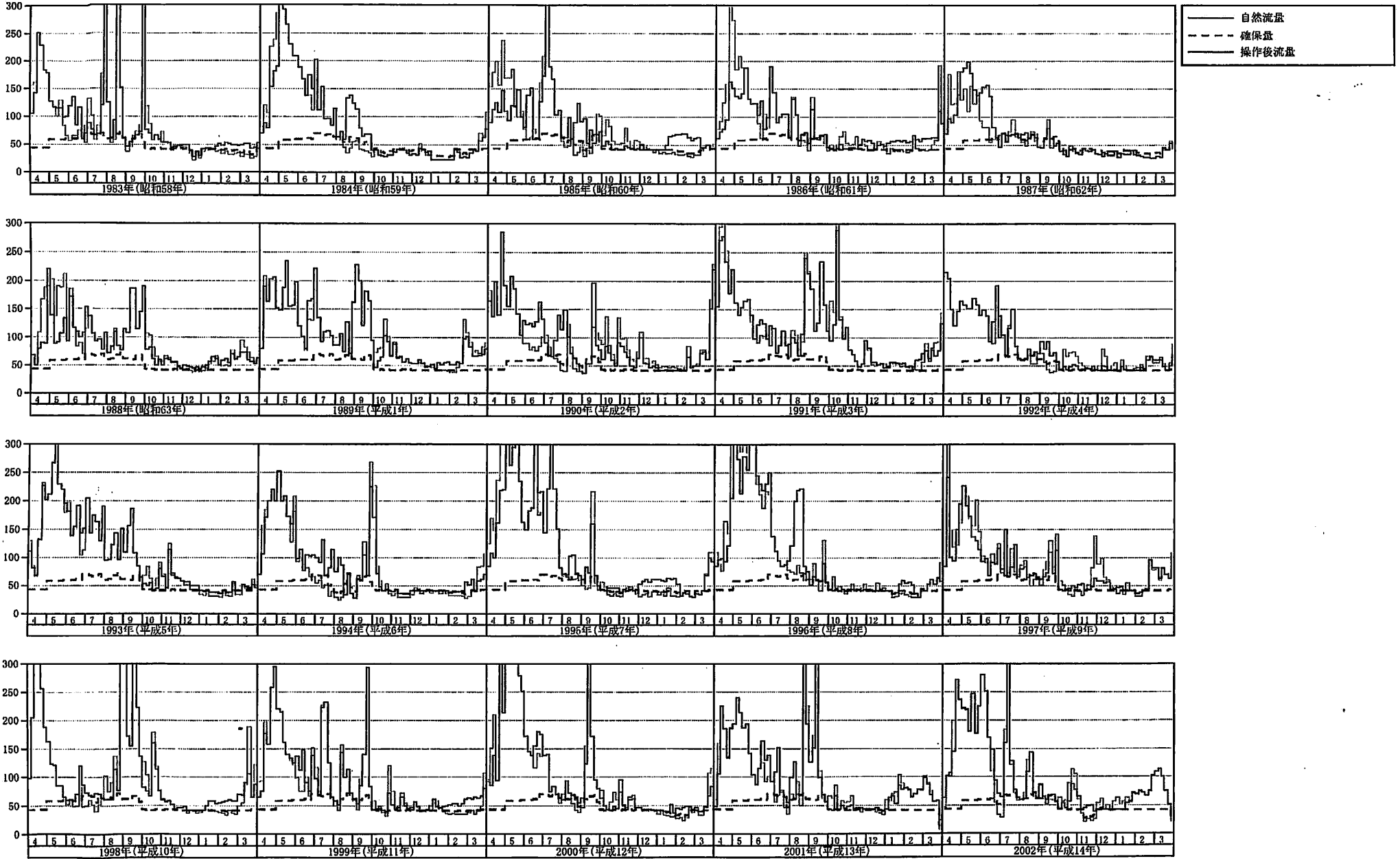
年度	月	半月	日数	切下げなし			切下げ率17.9%			切下げ率21.4%		
				自然	操作後	確保量	自然	操作後	確保量	自然	操作後	確保量
2002	4	1	5	111.06	94.79	94.79	111.06	88.86	88.38	111.06	91.12	87.13
2002	4	2	5	174.86	96.91	96.91	174.86	127.97	90.12	174.86	130.55	88.80
2002	4	3	5	210.65	159.08	104.99	210.65	174.79	96.76	210.65	176.41	95.15
2002	4	4	5	233.49	131.34	99.69	233.49	160.89	92.41	233.49	164.28	90.98
2002	4	5	5	355.55	302.42	105.44	355.55	310.67	97.13	355.55	312.33	95.50
2002	4	6	5	240.39	189.44	104.20	240.39	197.61	96.11	240.39	200.28	94.53
2002	5	1	5	186.25	137.14	107.25	186.25	144.82	98.61	186.25	146.52	96.92
2002	5	2	5	198.70	144.54	111.68	198.70	155.90	102.25	198.70	157.48	100.41
2002	5	3	5	251.91	200.76	117.29	251.91	210.36	106.86	251.91	211.96	104.82
2002	5	4	5	331.32	271.90	117.29	331.32	282.67	106.86	331.32	284.23	104.82
2002	5	5	5	244.45	184.42	117.26	244.45	194.16	106.83	244.45	195.97	104.79
2002	5	6	6	235.41	182.18	117.16	235.41	189.52	106.75	235.41	192.52	104.71
2002	6	1	5	245.14	190.67	117.52	245.14	200.21	107.04	245.14	202.04	105.00
2002	6	2	5	251.72	194.44	117.52	251.72	206.54	107.04	251.72	208.41	105.00
2002	6	3	5	220.64	163.79	114.53	220.64	175.90	104.59	220.64	177.82	102.65
2002	6	4	5	261.83	327.61	116.81	261.83	350.14	106.46	261.83	352.53	104.44
2002	6	5	5	165.81	244.43	116.81	165.81	255.70	106.46	165.81	257.90	104.44
2002	6	6	5	185.98	234.41	116.81	185.98	256.90	106.46	185.98	261.30	104.44
2002	7	1	5	171.65	122.58	107.57	171.65	130.67	98.88	171.65	132.40	97.18
2002	7	2	5	322.42	215.72	106.91	322.42	220.20	98.33	322.42	224.35	96.66
2002	7	3	5	2888.74	2792.87	116.91	2888.74	2823.70	106.54	2888.74	2828.47	104.52
2002	7	4	5	709.21	639.99	116.87	709.21	656.97	106.51	709.21	659.42	104.49
2002	7	5	5	343.73	279.70	116.76	343.73	291.08	106.42	343.73	293.20	104.40
2002	7	6	6	231.36	175.81	115.59	231.36	183.34	105.46	231.36	184.81	103.48
2002	8	1	5	364.44	303.21	116.69	364.44	310.45	106.36	364.44	311.86	104.34
2002	8	2	5	241.49	175.51	115.48	241.49	182.51	105.37	241.49	183.88	103.39
2002	8	3	5	230.93	151.20	113.31	230.93	180.13	103.59	230.93	183.94	101.69
2002	8	4	5	632.47	546.01	116.68	632.47	567.34	106.36	632.47	571.62	104.34
2002	8	5	5	308.29	242.72	113.82	308.29	252.29	104.01	308.29	254.06	102.09
2002	8	6	6	216.68	156.96	110.39	216.68	168.75	101.19	216.68	171.31	99.39
2002	9	1	5	240.15	183.22	107.14	240.15	194.33	98.52	240.15	196.28	96.84
2002	9	2	5	461.05	406.46	107.14	461.05	416.61	98.52	461.05	418.50	96.84
2002	9	3	5	411.22	366.96	107.14	411.22	374.88	98.52	411.22	376.43	96.84
2002	9	4	5	375.02	322.38	104.86	375.02	330.16	96.65	375.02	331.68	95.05
2002	9	5	5	262.22	211.47	104.86	262.22	219.26	96.65	262.22	220.78	95.05
2002	9	6	5	268.09	222.30	104.86	268.09	229.85	96.65	268.09	231.32	95.05
2002	10	1	5	1281.87	1101.44	101.82	1281.87	1108.60	94.16	1281.87	1110.00	92.66
2002	10	2	5	445.06	349.97	101.82	445.06	359.81	94.16	445.06	361.73	92.66
2002	10	3	5	294.95	216.57	101.82	294.95	225.02	94.16	294.95	226.67	92.66
2002	10	4	5	282.69	188.36	101.82	282.69	196.69	94.16	282.69	198.31	92.66
2002	10	5	5	418.18	326.69	101.82	418.18	335.76	94.16	418.18	337.53	92.66
2002	10	6	6	287.11	198.62	101.82	287.11	213.99	94.16	287.11	217.01	92.66
2002	11	1	5	204.48	151.34	99.28	204.48	159.33	92.07	204.48	160.90	90.66
2002	11	2	5	161.00	106.72	93.74	161.00	113.34	87.52	161.00	114.73	86.31
2002	11	3	5	142.80	100.21	92.71	142.80	107.43	86.68	142.80	108.84	85.50
2002	11	4	5	133.91	92.09	91.47	133.91	99.31	85.66	133.91	101.02	84.52
2002	11	5	5	126.33	90.05	90.05	126.33	92.95	84.49	126.33	94.67	83.41
2002	11	6	5	164.31	119.61	96.32	164.31	128.04	89.64	164.31	128.78	88.33
2002	12	1	5	162.10	92.97	91.63	162.10	100.01	85.79	162.10	101.49	84.65
2002	12	2	5	185.82	109.51	94.60	185.82	118.21	88.23	185.82	119.91	86.98
2002	12	3	5	159.51	104.61	93.38	159.51	109.90	87.23	159.51	111.38	86.02
2002	12	4	5	157.25	91.62	91.62	157.25	106.40	85.78	157.25	108.99	84.64
2002	12	5	5	177.11	129.67	96.76	177.11	138.66	90.00	177.11	140.14	88.68
2002	12	6	6	158.22	95.47	92.09	158.22	103.03	86.17	158.22	104.51	85.01
2002	1	1	5	160.35	92.34	92.34	160.35	98.18	86.37	160.35	99.64	85.21
2002	1	2	5	148.52	93.32	93.32	148.52	98.54	87.18	148.52	103.75	85.98
2002	1	3	5	146.17	92.94	92.94	146.17	106.63	86.86	146.17	109.16	85.68
2002	1	4	5	155.30	94.61	94.31	155.30	116.47	87.99	155.30	118.16	86.75
2002	1	5	5	153.86	107.90	94.33	153.86	116.60	88.01	153.86	118.28	86.77
2002	1	6	6	164.47	116.47	95.70	164.47	125.56	89.13	164.47	127.24	87.85
2002	2	1	5	156.17	108.11	94.37	156.17	116.88	88.04	156.17	118.57	86.80
2002	2	2	5	159.70	111.47	94.87	159.70	120.19	88.45	159.70	121.88	87.19
2002	2	3	5	151.41	102.16	93.55	151.41	111.11	87.37	151.41	112.80	86.16
2002	2	4	5	147.23	98.59	92.97	147.23	108.14	86.89	147.23	109.83	85.70
2002	2	5	5	155.37	107.72	94.33	155.37	116.64	88.01	155.37	118.32	86.77
2002	2	6	3	184.76	137.51	98.84	184.76	146.18	91.71	184.76	147.86	90.31
2002	3	1	5	216.84	167.02	99.28	216.84	178.10	92.07	216.84	179.76	90.66
2002	3	2	5	267.38	215.90	99.28	267.38	226.30	92.07	267.38	227.88	90.66
2002	3	3	5	214.80	164.04	99.28	214.80	173.38	92.07	214.80	175.08	90.66
2002	3	4	5	178.90	128.55	94.98	178.90	138.33	88.54	178.90	140.33	87.28
2002	3	5	5	141.42	89.28	89.28	141.42	98.83	83.86	141.42	100.59	82.80
2002	3	6	6	128.20	89.28	89.28	128.20	92.09	83.86	128.20	93.63	82.80

2. 各基準地点流量計算結果（切り下げ無し）

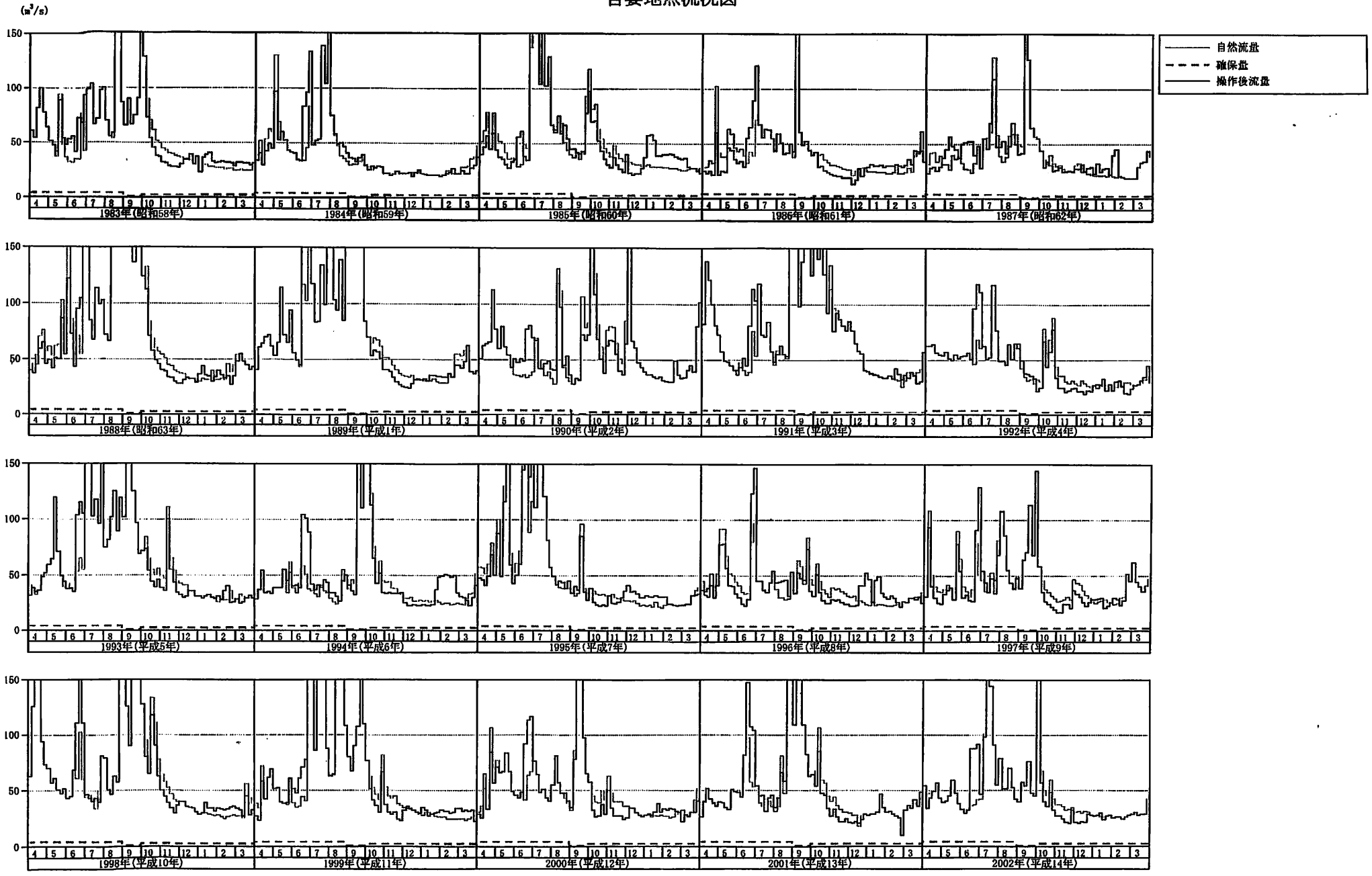
切り下げ無しの各基準地点の流量計算結果（流況図）を次に示す。

岩本地点流況図

(m^3/s)

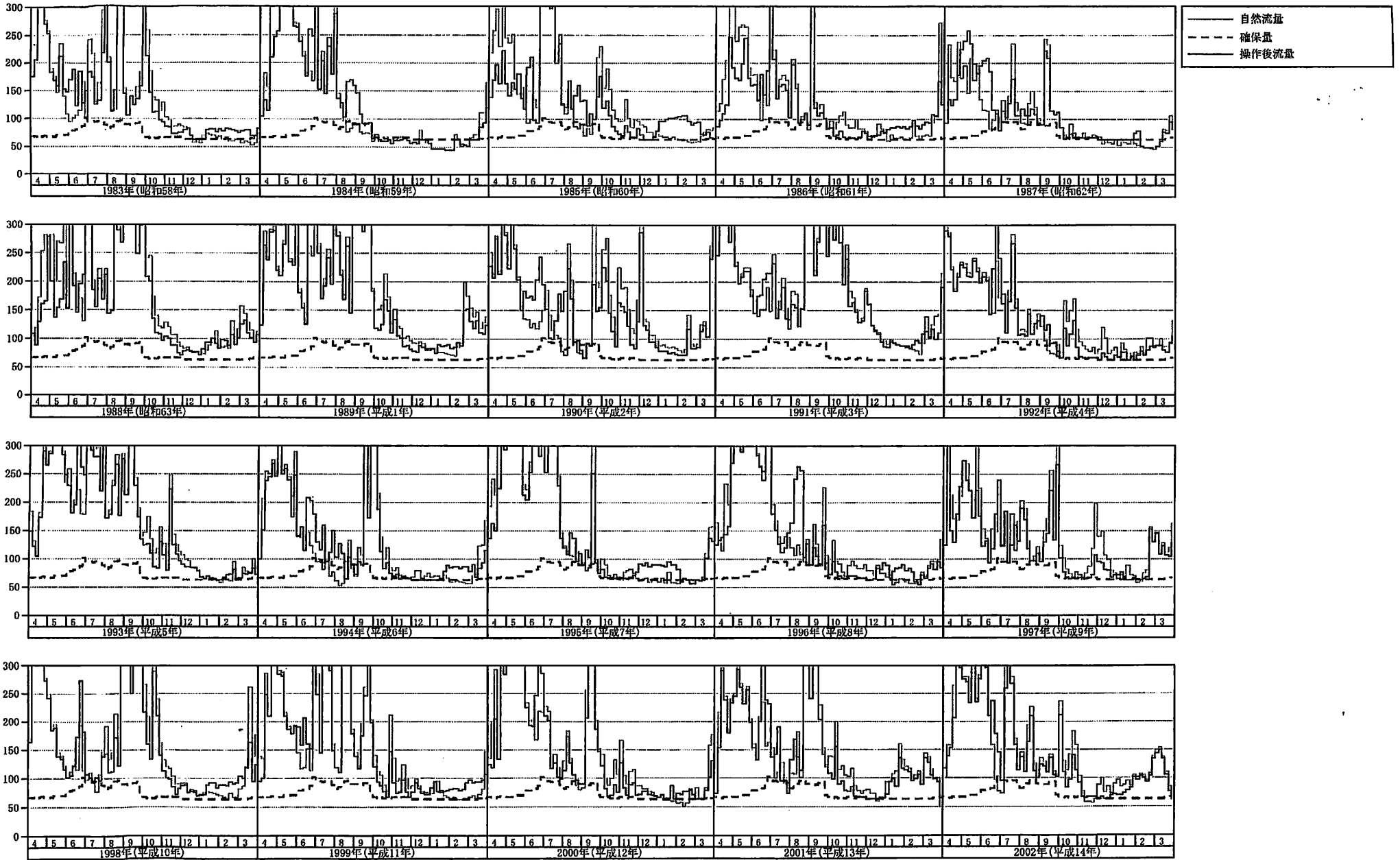


吾妻地点流況図



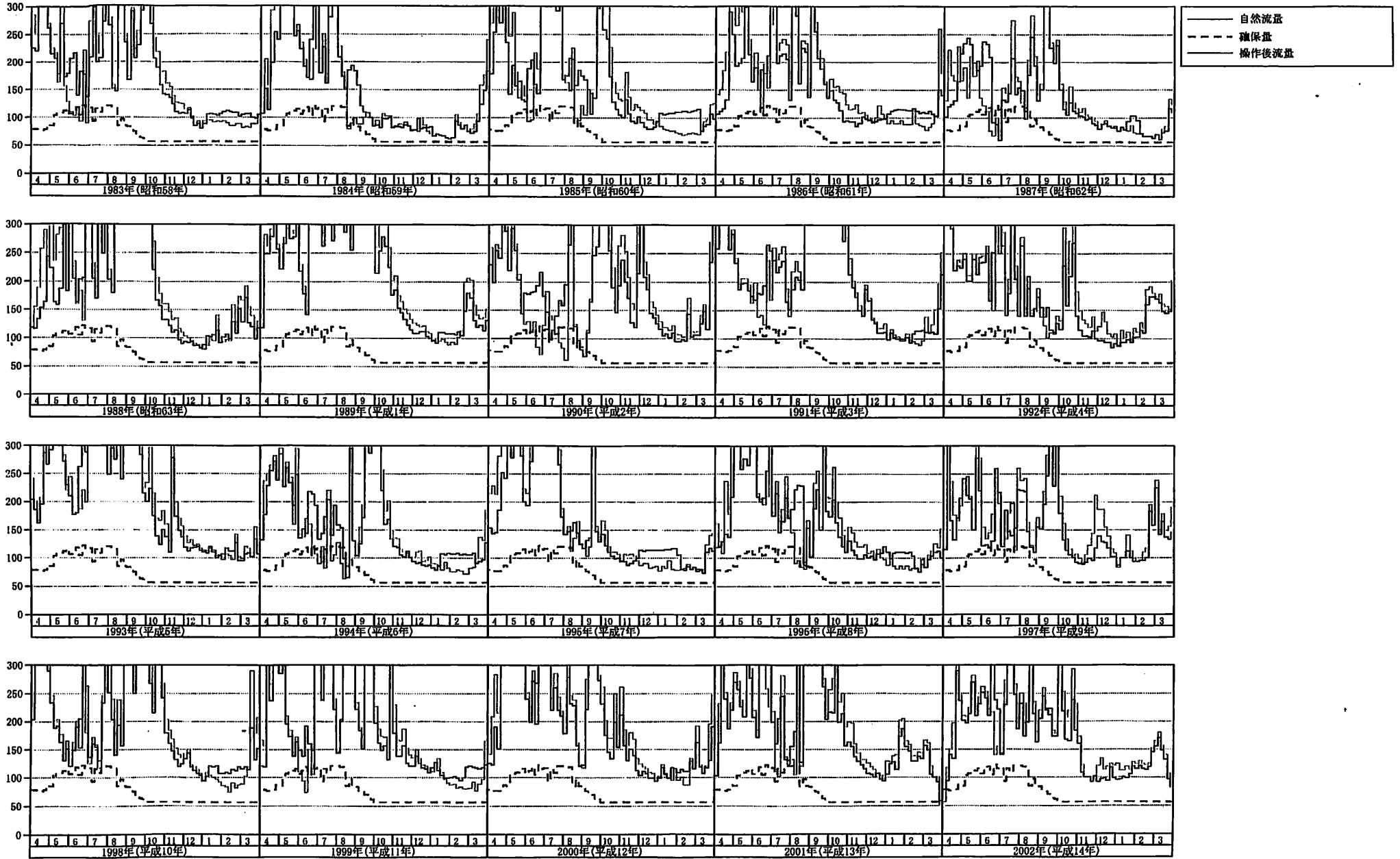
渋川地点流況図

(m^3/s)



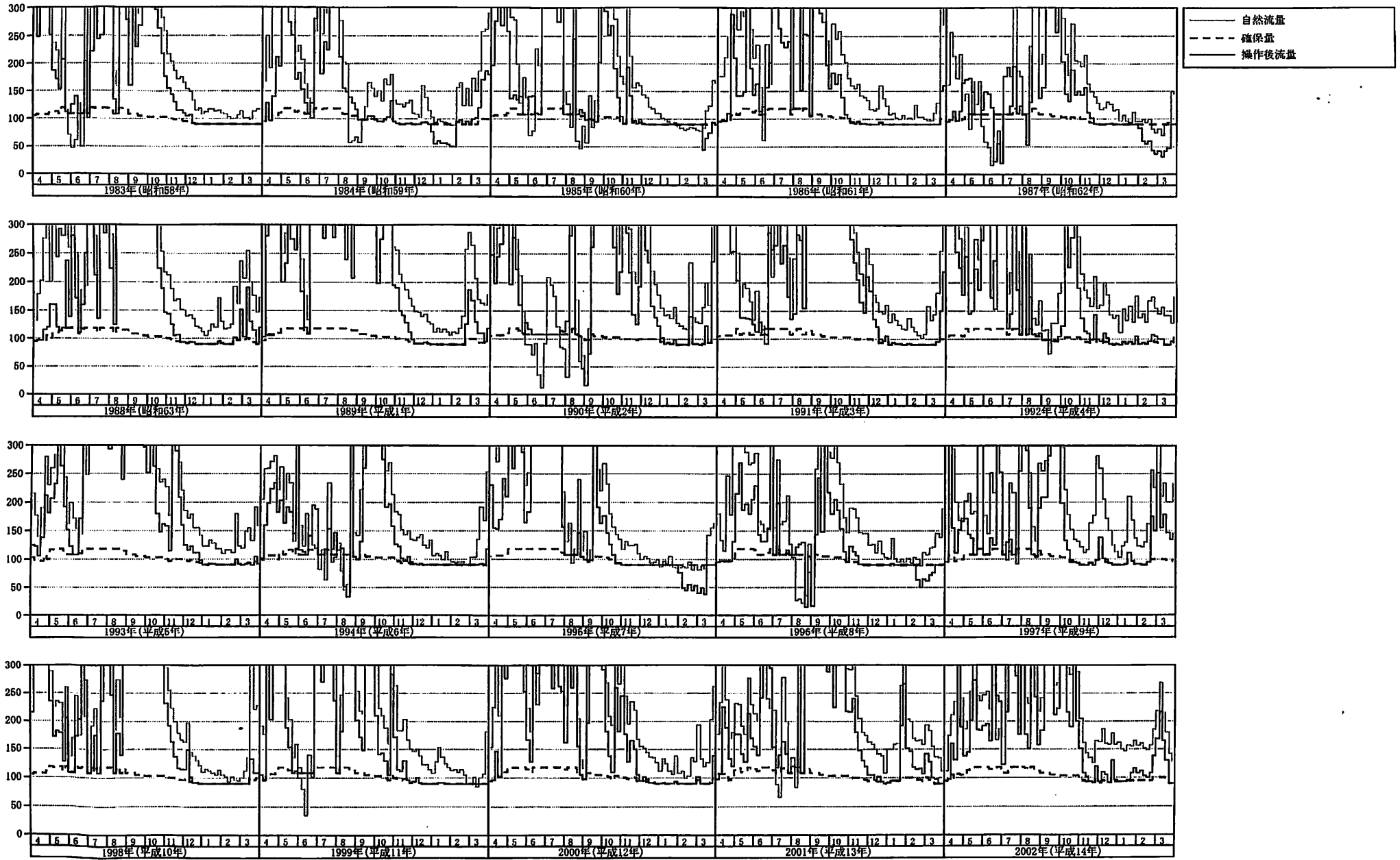
利根大堰地点流況図

(m^3/s)

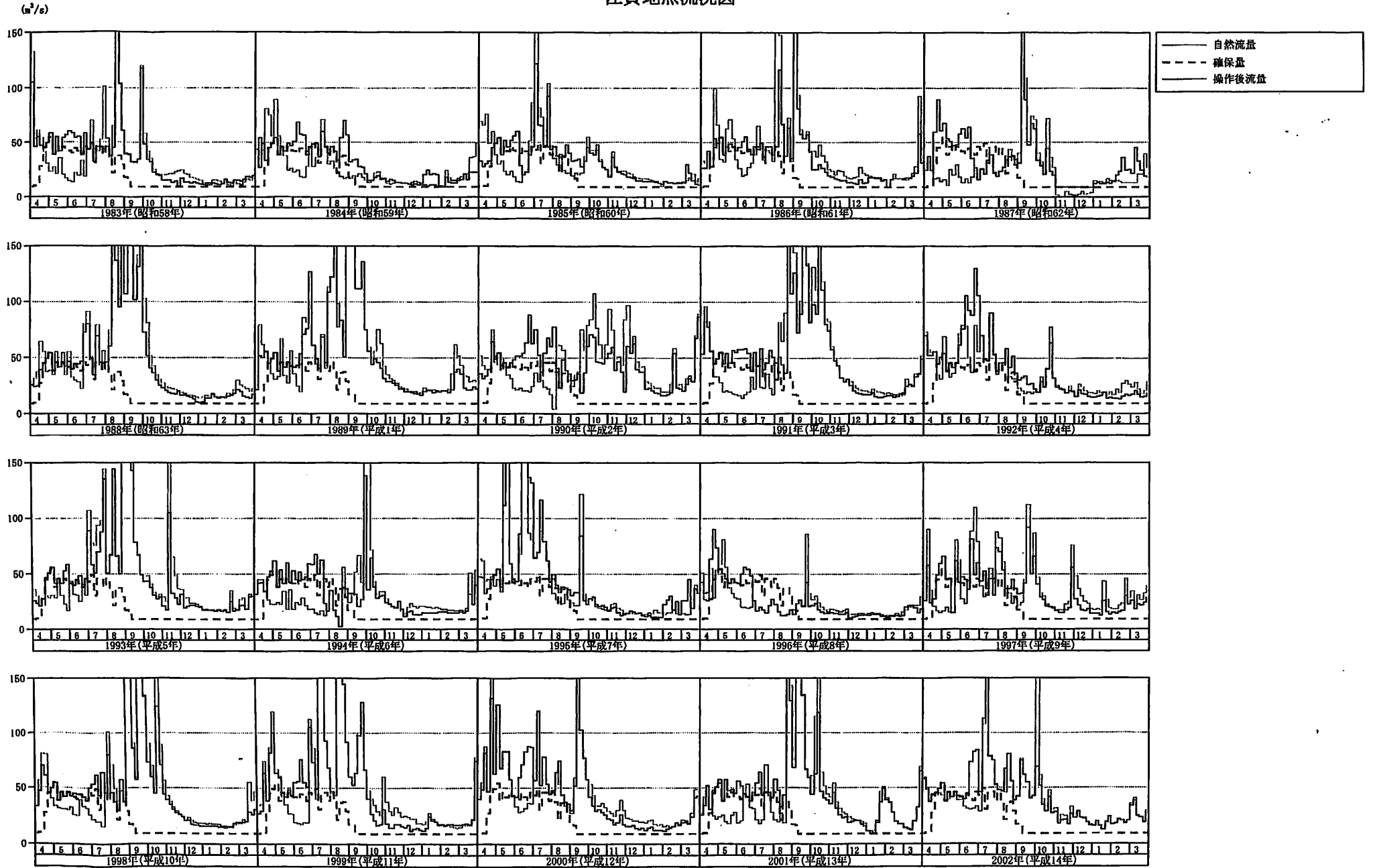


栗橋地点流況図

(m^3/s)

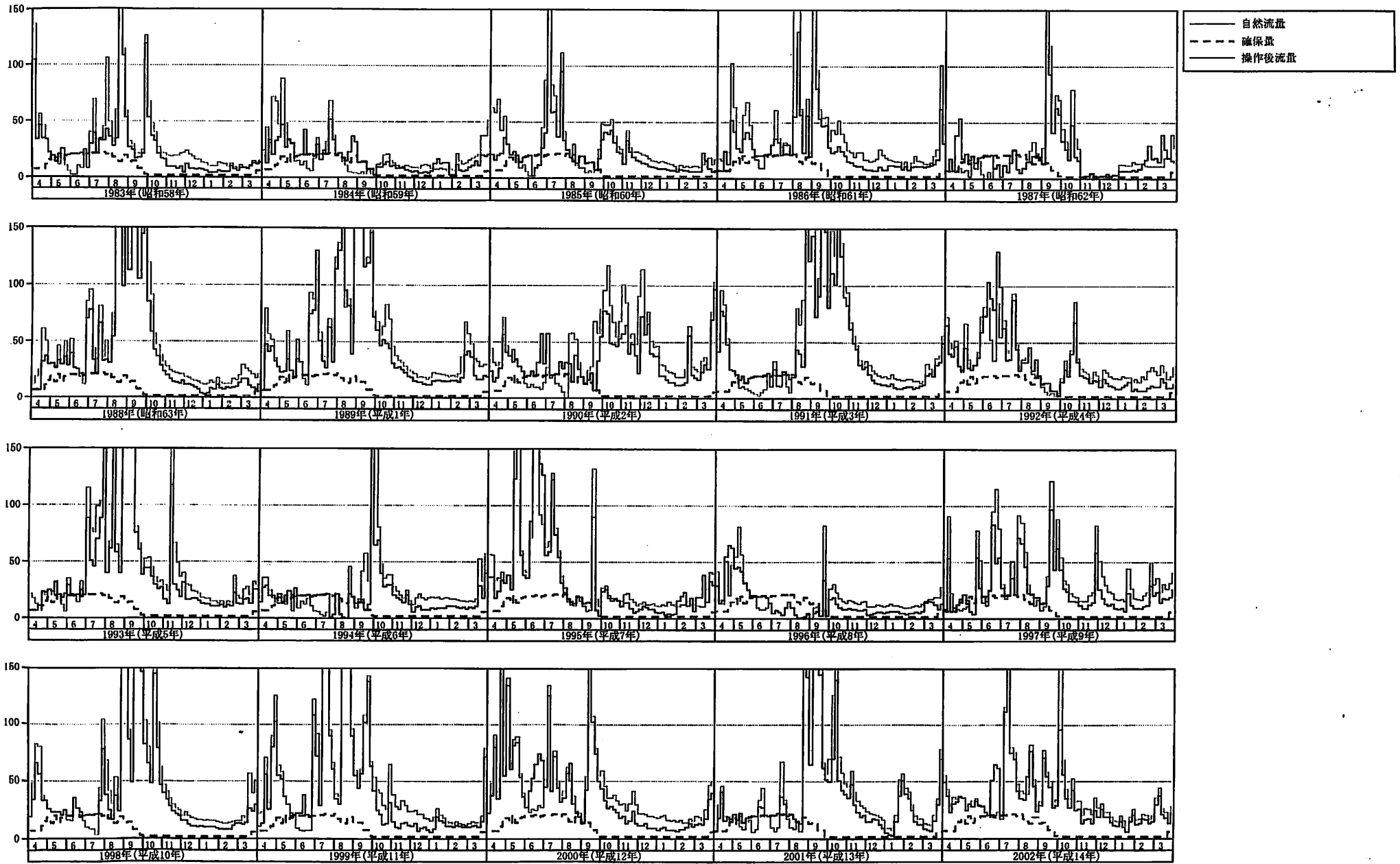


佐貫地点流況図



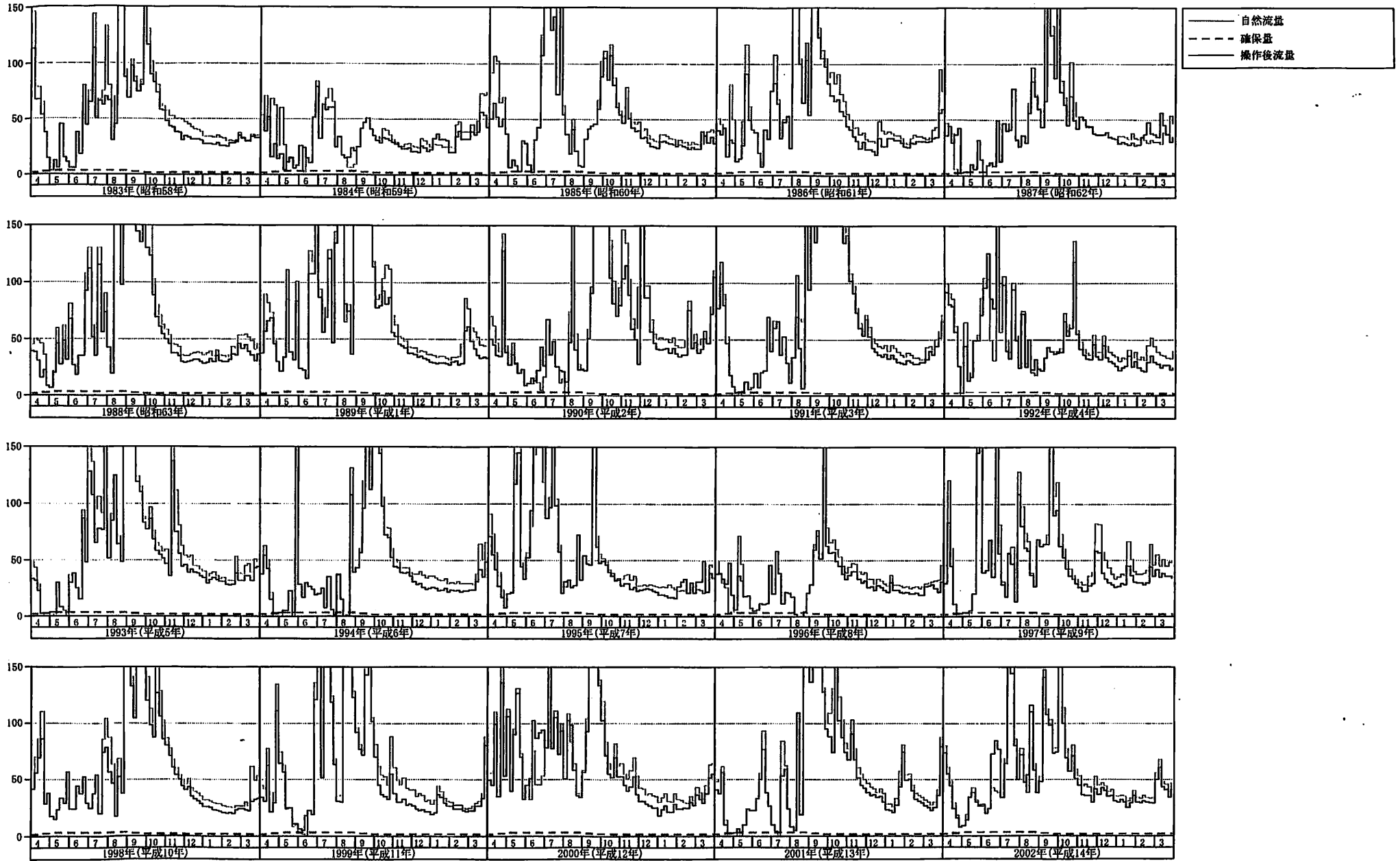
勝瓜地点流況図

(m^3/s)

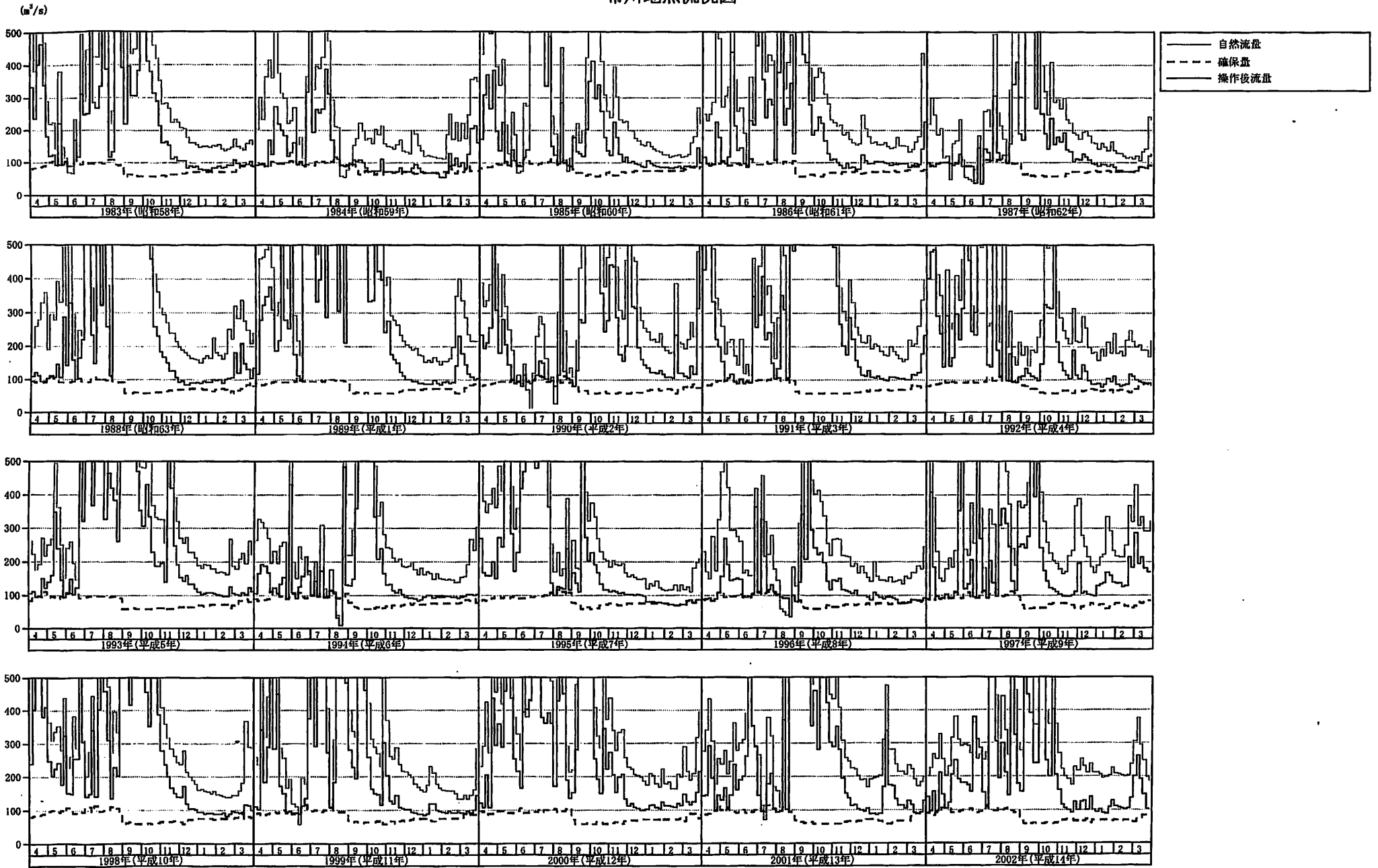


水海道地点流況図

(m^3/s)



布川地点流況図



別冊一 2

調査事項（荒川）

1. 安定供給可能量の計算の前提条件とその計算に用いたデータ

①各ダムの月別利水容量と運用条件

各ダムの利水容量は次頁の表のとおりである。

ここで、洪水期は7月1半旬～9月6半旬であり、非洪水期は10月1半旬～翌年6月6半旬までである。

運用条件については、統合運用方式により運用を行っており、この考え方については、次の「ダム運用方法」に示すとおりである。

ダム利水容量

ダム	利水容量(千 m^3)		備考
	洪水期	非洪水期	
二瀬ダム	0	20,000	
滝沢ダム	25,000	58,000	
浦山ダム	33,000	56,000	
合角ダム	3,650	9,250	
有間ダム	2,850	7,250	
荒川第一調節池	7,600	10,200	

【ダム運用方法】

荒川の利水計算は、水系全体のダム群を統合運用し、ダムからの無効放流量を極力抑制する運用システムとしている。ダムの操作は以下に示す原則にのっとりとした方法としている。

a) 統合運用の原則

① ダム補給 — 下流ダムより順次行う —

ダム補給は、上流の基準地点より、順次下流に向けて充足されるが、当該基準地点で流量が不足する場合は、その基準地点にかかわるダム群のうち、最下流のダムより補給を行う。ダムの貯水量が底をついた場合は、その上のダムより順次補給するものとする。

② ダム貯留 — 上流ダムより順次行う —

基準地点の流量が豊かであり、確保量をまかなってなお余剰が生じた場合は、当該基準地点の最上流ダムより順次貯留を行う。ただし、ダムの貯留可能量は流入量とその時点のダム容量及びダム地点に必要な流量（下流放流量）によって制約を受ける。基準地点の余剰が上流ダムの貯留可能量を上回る場合は、その余剰量に達するまで順次下流ダムで貯留操作を行っていくこととしている。

b) 放流操作

各ダムの下流放流量と余剰放流量については、統合操作に関係なく放流することとしている。下流放流量は、下流の基準地点に余剰がありダムからの補給が必要でない場合も放流するものである。余剰放流は、ダムが満水で貯めきれずに放流する量である。

ある基準地点において確保量に不足を生じた場合には、この不足量を基準地点より上流にあるダム群へ割り当てて放流させる。割り当て方法は、次のような手順による。

- 不足量とダム群の現有全貯水量を比較し、不足量が全貯水量より大きい時は、全ダムから全貯水量を放流し、さらに不足する量を別途に計算し、累加しておいて下流基準地点に移ることとする。
- 不足量が全貯水量より小さい時は、不足量を各ダムに割り当てる。割り当ての方法は、補給後の空容量比率が一定になり、無効放流ができるだけ少なくなる方法によって行う。

c) 補給の方法

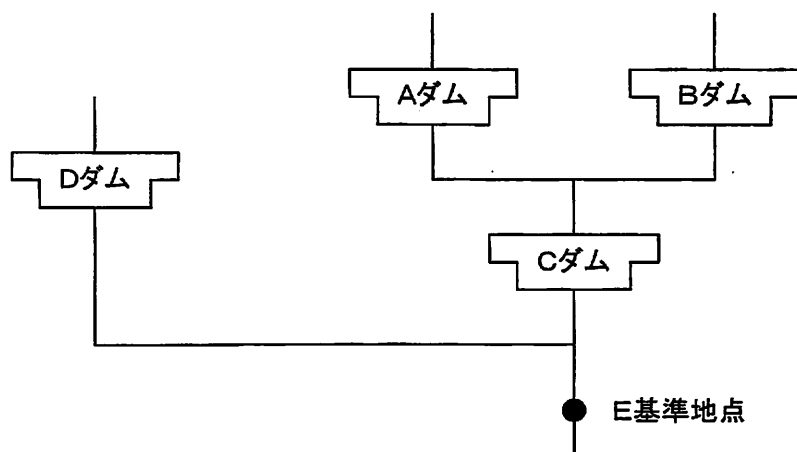
ダムの配置の考え方（直列・並列）により、補給は以下に示す方法で行う。

① 直列ダムの場合（図のCダムと、Aダム+Bダムの場合）

ダムが直列に配置されている場合は、直列ダムの貯水量の和を単ダムと考えその割り当て量を優先的に下流から補給する。その割り当て量が下流ダムのみで補給可能であれば、上流ダムからは補給する必要はないと考える。

② 並列ダムの場合（Aダム+Bダム+Cダムと、Dダムの場合）

ダムが並列に配置されている場合は、各支川毎のダムの利水容量（洪水期は夏期制限容量）と補給後の貯水量との比が一定となるように補給する。



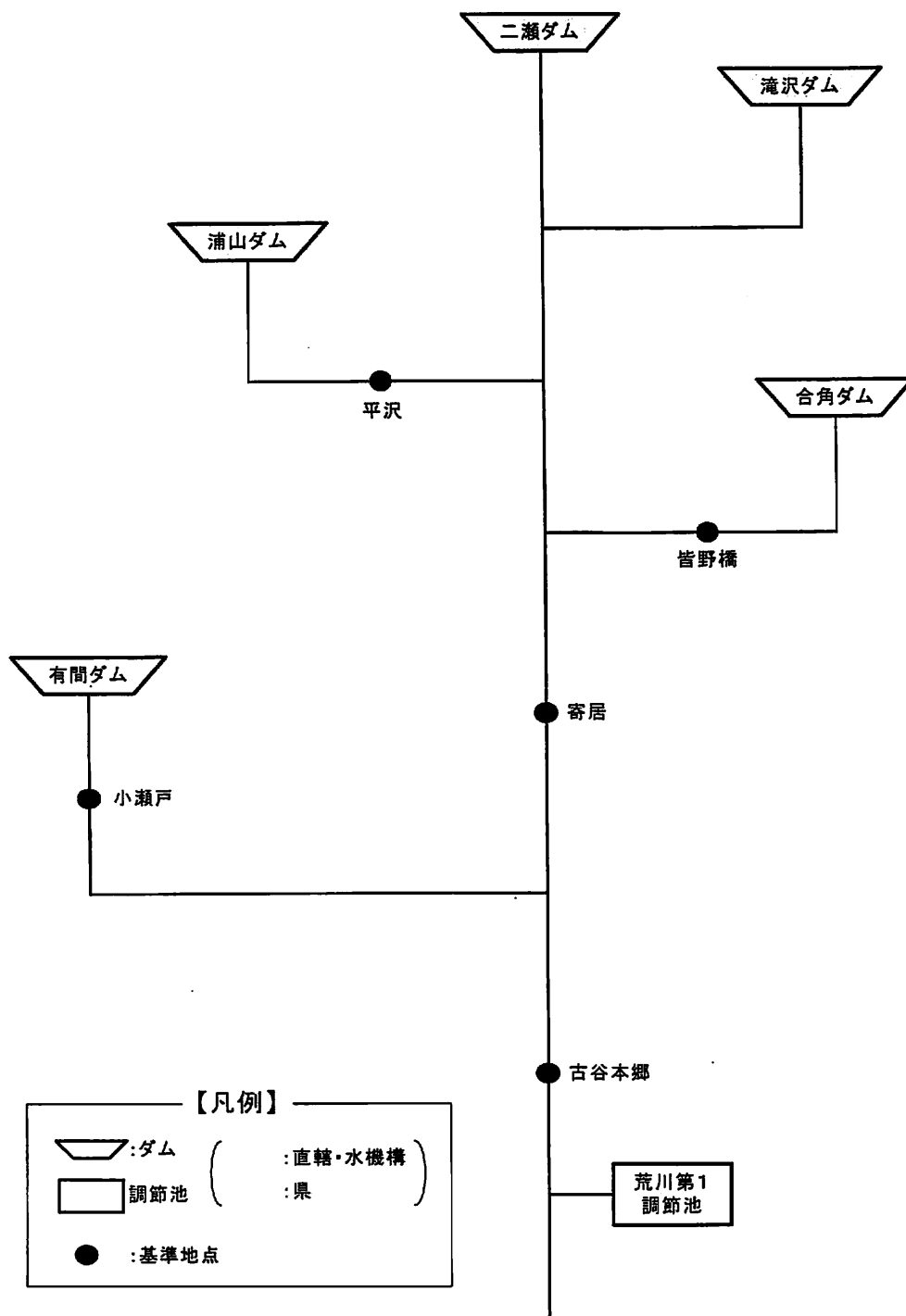
ダム並びの考え方

検討期間は昭和 58 年から平成 14 年

②本川および支川の各利水基準点の月別確保流量

利水基準地点の確保量は半旬単位で設定しており、その値は次頁のとおりである。

なお、基準地点位置関係は以下の模式図に示すとおりである。



荒川利水モデル図

平沢地点

単位: m³/s

月	半旬	確保量
1	1	0.934
	2	0.934
	3	0.934
	4	0.934
	5	0.934
	6	0.934
2	1	0.934
	2	0.934
	3	0.934
	4	0.934
	5	0.934
	6	0.934
3	1	0.934
	2	0.934
	3	0.934
	4	0.934
	5	0.934
	6	0.934
4	1	0.934
	2	0.934
	3	0.934
	4	0.934
	5	0.934
	6	0.934
5	1	0.934
	2	0.934
	3	0.934
	4	0.934
	5	0.934
	6	0.934
6	1	0.934
	2	0.934
	3	0.934
	4	0.934
	5	0.934
	6	0.934
7	1	0.934
	2	0.934
	3	0.934
	4	0.934
	5	0.934
	6	0.934
8	1	0.934
	2	0.934
	3	0.934
	4	0.934
	5	0.934
	6	0.934
9	1	0.934
	2	0.934
	3	0.934
	4	0.934
	5	0.934
	6	0.934
10	1	0.934
	2	0.934
	3	0.934
	4	0.934
	5	0.934
	6	0.934
11	1	0.934
	2	0.934
	3	0.934
	4	0.934
	5	0.934
	6	0.934
12	1	0.934
	2	0.934
	3	0.934
	4	0.934
	5	0.934
	6	0.934

皆野橋地点

単位：m³/s

月	半旬	確保量
1	1	0.721
	2	0.721
	3	0.721
	4	0.721
	5	0.721
	6	0.721
2	1	0.721
	2	0.721
	3	0.721
	4	0.721
	5	0.721
	6	0.721
3	1	0.721
	2	0.721
	3	0.721
	4	0.721
	5	0.721
	6	0.721
4	1	0.721
	2	0.721
	3	0.721
	4	0.721
	5	0.721
	6	0.721
5	1	0.721
	2	0.721
	3	0.721
	4	0.721
	5	0.721
	6	0.721
6	1	1.176
	2	1.176
	3	1.176
	4	1.688
	5	1.596
	6	1.596
7	1	1.409
	2	1.409
	3	1.388
	4	1.388
	5	1.388
	6	1.449
8	1	1.449
	2	1.449
	3	1.449
	4	1.449
	5	1.345
	6	1.345
9	1	1.345
	2	1.345
	3	1.345
	4	1.345
	5	1.345
	6	1.345
10	1	0.721
	2	0.721
	3	0.721
	4	0.721
	5	0.721
	6	0.721
11	1	0.721
	2	0.721
	3	0.721
	4	0.721
	5	0.721
	6	0.721
12	1	0.721
	2	0.721
	3	0.721
	4	0.721
	5	0.721
	6	0.721

※農水は有効雨量を考慮していない数値。計算においては小鹿野地点雨量を考慮。

寄居地点

单位: m³/s

月	半旬	確保量
1	1	4.016
	2	4.286
	3	4.499
	4	4.537
	5	4.537
	6	4.668
2	1	4.833
	2	4.833
	3	4.853
	4	4.853
	5	4.986
	6	4.686
3	1	4.858
	2	5.088
	3	5.045
	4	4.991
	5	4.958
	6	5.238
4	1	8.094
	2	8.094
	3	8.071
	4	7.315
	5	7.302
	6	8.258
5	1	8.116
	2	7.402
	3	7.683
	4	7.066
	5	7.387
	6	6.816
6	1	7.730
	2	9.563
	3	9.838
	4	12.500
	5	15.885
	6	21.716
7	1	19.276
	2	14.231
	3	15.290
	4	14.870
	5	18.292
	6	18.661
8	1	19.215
	2	19.402
	3	18.957
	4	14.247
	5	15.993
	6	15.991
9	1	17.385
	2	16.691
	3	13.412
	4	13.473
	5	6.727
	6	7.165
10	1	7.553
	2	7.264
	3	7.417
	4	7.118
	5	7.641
	6	7.127
11	1	6.816
	2	6.922
	3	7.528
	4	7.762
	5	7.753
	6	7.128
12	1	4.465
	2	4.647
	3	4.571
	4	4.571
	5	4.571
	6	4.339

小瀬戸地点

単位：m³/s

月	半旬	確保量
1	1	0.890
	2	0.890
	3	0.890
	4	0.890
	5	0.890
	6	0.890
2	1	0.890
	2	0.890
	3	0.890
	4	0.890
	5	0.890
	6	0.890
3	1	0.890
	2	0.890
	3	0.890
	4	0.890
	5	0.890
	6	0.890
4	1	0.890
	2	0.890
	3	0.890
	4	0.890
	5	0.890
	6	0.890
5	1	0.890
	2	0.890
	3	0.890
	4	0.890
	5	1.390
	6	1.390
6	1	1.390
	2	1.390
	3	1.390
	4	1.390
	5	2.390
	6	3.090
7	1	2.690
	2	2.690
	3	2.690
	4	2.690
	5	2.590
	6	2.590
8	1	2.590
	2	2.590
	3	2.390
	4	2.390
	5	2.390
	6	2.390
9	1	2.390
	2	2.390
	3	2.090
	4	2.090
	5	2.090
	6	2.090
10	1	1.490
	2	1.490
	3	1.490
	4	0.890
	5	0.890
	6	0.890
11	1	0.890
	2	0.890
	3	0.890
	4	0.890
	5	0.890
	6	0.890
12	1	0.890
	2	0.890
	3	0.890
	4	0.890
	5	0.890
	6	0.890

古谷本郷地点

単位：m³/s

月	半旬	確保量
1	1	17.266
	2	17.266
	3	17.266
	4	17.266
	5	17.266
	6	17.266
2	1	17.266
	2	17.266
	3	17.266
	4	17.266
	5	17.266
	6	17.266
3	1	17.266
	2	17.266
	3	17.266
	4	17.266
	5	17.266
	6	17.266
4	1	17.266
	2	17.266
	3	17.266
	4	17.266
	5	17.266
	6	17.266
5	1	17.266
	2	17.266
	3	17.266
	4	17.266
	5	17.266
	6	17.266
6	1	17.266
	2	17.266
	3	17.266
	4	17.266
	5	17.266
	6	17.266
7	1	17.266
	2	17.266
	3	17.266
	4	17.266
	5	17.266
	6	17.266
8	1	17.266
	2	17.266
	3	17.266
	4	17.266
	5	17.266
	6	17.266
9	1	17.266
	2	17.266
	3	17.266
	4	17.266
	5	17.266
	6	17.266
10	1	17.266
	2	17.266
	3	17.266
	4	17.266
	5	17.266
	6	17.266
11	1	17.266
	2	17.266
	3	17.266
	4	17.266
	5	17.266
	6	17.266
12	1	17.266
	2	17.266
	3	17.266
	4	17.266
	5	17.266
	6	17.266

※確保量は荒川第1調節池の浄化用水振り替え分
 3.0m³/s(5月4半旬～10月6半旬)、2.0m³/s(11月1半旬～翌年5月3半旬)を含む

③ダムによる取水地点ごとの用途別の月別開発量
ダムによる用途別の取水量は次のとおりである。

平沢地点

単位: m³/s

月	半旬	開発水量		
		上水	工水	農水
1	1	0.234	—	—
	2	0.234	—	—
	3	0.234	—	—
	4	0.234	—	—
	5	0.234	—	—
	6	0.234	—	—
2	1	0.234	—	—
	2	0.234	—	—
	3	0.234	—	—
	4	0.234	—	—
	5	0.234	—	—
	6	0.234	—	—
3	1	0.234	—	—
	2	0.234	—	—
	3	0.234	—	—
	4	0.234	—	—
	5	0.234	—	—
	6	0.234	—	—
4	1	0.234	—	—
	2	0.234	—	—
	3	0.234	—	—
	4	0.234	—	—
	5	0.234	—	—
	6	0.234	—	—
5	1	0.234	—	—
	2	0.234	—	—
	3	0.234	—	—
	4	0.234	—	—
	5	0.234	—	—
	6	0.234	—	—
6	1	0.234	—	—
	2	0.234	—	—
	3	0.234	—	—
	4	0.234	—	—
	5	0.234	—	—
	6	0.234	—	—
7	1	0.234	—	—
	2	0.234	—	—
	3	0.234	—	—
	4	0.234	—	—
	5	0.234	—	—
	6	0.234	—	—
8	1	0.234	—	—
	2	0.234	—	—
	3	0.234	—	—
	4	0.234	—	—
	5	0.234	—	—
	6	0.234	—	—
9	1	0.234	—	—
	2	0.234	—	—
	3	0.234	—	—
	4	0.234	—	—
	5	0.234	—	—
	6	0.234	—	—
10	1	0.234	—	—
	2	0.234	—	—
	3	0.234	—	—
	4	0.234	—	—
	5	0.234	—	—
	6	0.234	—	—
11	1	0.234	—	—
	2	0.234	—	—
	3	0.234	—	—
	4	0.234	—	—
	5	0.234	—	—
	6	0.234	—	—
12	1	0.234	—	—
	2	0.234	—	—
	3	0.234	—	—
	4	0.234	—	—
	5	0.234	—	—
	6	0.234	—	—

皆野橋地点

単位：m³/s

月	半旬	開発水量		
		上水	工水	農水
1	1	0.036	—	—
	2	0.036	—	—
	3	0.036	—	—
	4	0.036	—	—
	5	0.036	—	—
	6	0.036	—	—
2	1	0.036	—	—
	2	0.036	—	—
	3	0.036	—	—
	4	0.036	—	—
	5	0.036	—	—
	6	0.036	—	—
3	1	0.036	—	—
	2	0.036	—	—
	3	0.036	—	—
	4	0.036	—	—
	5	0.036	—	—
	6	0.036	—	—
4	1	0.036	—	—
	2	0.036	—	—
	3	0.036	—	—
	4	0.036	—	—
	5	0.036	—	—
	6	0.036	—	—
5	1	0.036	—	—
	2	0.036	—	—
	3	0.036	—	—
	4	0.036	—	—
	5	0.036	—	—
	6	0.036	—	—
6	1	0.036	—	—
	2	0.036	—	—
	3	0.036	—	—
	4	0.036	—	—
	5	0.036	—	—
	6	0.036	—	—
7	1	0.036	—	—
	2	0.036	—	—
	3	0.036	—	—
	4	0.036	—	—
	5	0.036	—	—
	6	0.036	—	—
8	1	0.036	—	—
	2	0.036	—	—
	3	0.036	—	—
	4	0.036	—	—
	5	0.036	—	—
	6	0.036	—	—
9	1	0.036	—	—
	2	0.036	—	—
	3	0.036	—	—
	4	0.036	—	—
	5	0.036	—	—
	6	0.036	—	—
10	1	0.036	—	—
	2	0.036	—	—
	3	0.036	—	—
	4	0.036	—	—
	5	0.036	—	—
	6	0.036	—	—
11	1	0.036	—	—
	2	0.036	—	—
	3	0.036	—	—
	4	0.036	—	—
	5	0.036	—	—
	6	0.036	—	—
12	1	0.036	—	—
	2	0.036	—	—
	3	0.036	—	—
	4	0.036	—	—
	5	0.036	—	—
	6	0.036	—	—

寄居地点

单位: m³/s

月	半旬	開發水量		
		上水	工水	農水
1	1	0.964	—	—
	2	0.964	—	—
	3	0.964	—	—
	4	0.964	—	—
	5	0.964	—	—
	6	0.964	—	—
2	1	0.964	—	—
	2	0.964	—	—
	3	0.964	—	—
	4	0.964	—	—
	5	0.964	—	—
	6	0.964	—	—
3	1	0.964	—	—
	2	0.964	—	—
	3	0.964	—	—
	4	0.964	—	—
	5	0.964	—	—
	6	0.964	—	—
4	1	0.964	—	—
	2	0.964	—	—
	3	0.964	—	—
	4	0.964	—	—
	5	0.964	—	—
	6	0.964	—	—
5	1	0.964	—	—
	2	0.964	—	—
	3	0.964	—	—
	4	0.964	—	—
	5	0.964	—	—
	6	0.964	—	—
6	1	0.964	—	—
	2	0.964	—	—
	3	0.964	—	—
	4	0.964	—	—
	5	0.964	—	—
	6	0.964	—	—
7	1	0.964	—	—
	2	0.964	—	—
	3	0.964	—	—
	4	0.964	—	—
	5	0.964	—	—
	6	0.964	—	—
8	1	0.964	—	—
	2	0.964	—	—
	3	0.964	—	—
	4	0.964	—	—
	5	0.964	—	—
	6	0.964	—	—
9	1	0.964	—	—
	2	0.964	—	—
	3	0.964	—	—
	4	0.964	—	—
	5	0.964	—	—
	6	0.964	—	—
10	1	0.964	—	—
	2	0.964	—	—
	3	0.964	—	—
	4	0.964	—	—
	5	0.964	—	—
	6	0.964	—	—
11	1	0.964	—	—
	2	0.964	—	—
	3	0.964	—	—
	4	0.964	—	—
	5	0.964	—	—
	6	0.964	—	—
12	1	0.964	—	—
	2	0.964	—	—
	3	0.964	—	—
	4	0.964	—	—
	5	0.964	—	—
	6	0.964	—	—

小瀬戸地点

単位：m³/s

月	半旬	開発水量		
		上水	工水	農水
1	1	0.400	—	—
	2	0.400	—	—
	3	0.400	—	—
	4	0.400	—	—
	5	0.400	—	—
	6	0.400	—	—
2	1	0.400	—	—
	2	0.400	—	—
	3	0.400	—	—
	4	0.400	—	—
	5	0.400	—	—
	6	0.400	—	—
3	1	0.400	—	—
	2	0.400	—	—
	3	0.400	—	—
	4	0.400	—	—
	5	0.400	—	—
	6	0.400	—	—
4	1	0.400	—	—
	2	0.400	—	—
	3	0.400	—	—
	4	0.400	—	—
	5	0.400	—	—
	6	0.400	—	—
5	1	0.400	—	—
	2	0.400	—	—
	3	0.400	—	—
	4	0.400	—	—
	5	0.400	—	—
	6	0.400	—	—
6	1	0.400	—	—
	2	0.400	—	—
	3	0.400	—	—
	4	0.400	—	—
	5	0.400	—	—
	6	0.400	—	—
7	1	0.400	—	—
	2	0.400	—	—
	3	0.400	—	—
	4	0.400	—	—
	5	0.400	—	—
	6	0.400	—	—
8	1	0.400	—	—
	2	0.400	—	—
	3	0.400	—	—
	4	0.400	—	—
	5	0.400	—	—
	6	0.400	—	—
9	1	0.400	—	—
	2	0.400	—	—
	3	0.400	—	—
	4	0.400	—	—
	5	0.400	—	—
	6	0.400	—	—
10	1	0.400	—	—
	2	0.400	—	—
	3	0.400	—	—
	4	0.400	—	—
	5	0.400	—	—
	6	0.400	—	—
11	1	0.400	—	—
	2	0.400	—	—
	3	0.400	—	—
	4	0.400	—	—
	5	0.400	—	—
	6	0.400	—	—
12	1	0.400	—	—
	2	0.400	—	—
	3	0.400	—	—
	4	0.400	—	—
	5	0.400	—	—
	6	0.400	—	—

古谷本郷地点

単位：m³/s

月	半旬	開発水量		
		上水	工業	農水
1	1	12.266	—	—
	2	12.266	—	—
	3	12.266	—	—
	4	12.266	—	—
	5	12.266	—	—
	6	12.266	—	—
2	1	12.266	—	—
	2	12.266	—	—
	3	12.266	—	—
	4	12.266	—	—
	5	12.266	—	—
	6	12.266	—	—
3	1	12.266	—	—
	2	12.266	—	—
	3	12.266	—	—
	4	12.266	—	—
	5	12.266	—	—
	6	12.266	—	—
4	1	12.266	—	—
	2	12.266	—	—
	3	12.266	—	—
	4	12.266	—	—
	5	12.266	—	—
	6	12.266	—	—
5	1	12.266	—	—
	2	12.266	—	—
	3	12.266	—	—
	4	12.266	—	—
	5	12.266	—	—
	6	12.266	—	—
6	1	12.266	—	—
	2	12.266	—	—
	3	12.266	—	—
	4	12.266	—	—
	5	12.266	—	—
	6	12.266	—	—
7	1	12.266	—	—
	2	12.266	—	—
	3	12.266	—	—
	4	12.266	—	—
	5	12.266	—	—
	6	12.266	—	—
8	1	12.266	—	—
	2	12.266	—	—
	3	12.266	—	—
	4	12.266	—	—
	5	12.266	—	—
	6	12.266	—	—
9	1	12.266	—	—
	2	12.266	—	—
	3	12.266	—	—
	4	12.266	—	—
	5	12.266	—	—
	6	12.266	—	—
10	1	12.266	—	—
	2	12.266	—	—
	3	12.266	—	—
	4	12.266	—	—
	5	12.266	—	—
	6	12.266	—	—
11	1	12.266	—	—
	2	12.266	—	—
	3	12.266	—	—
	4	12.266	—	—
	5	12.266	—	—
	6	12.266	—	—
12	1	12.266	—	—
	2	12.266	—	—
	3	12.266	—	—
	4	12.266	—	—
	5	12.266	—	—
	6	12.266	—	—

※開発水量は荒川第1調節池の浄化用水振り替え分3.0m³/s(5月4半旬～10月6半旬)、2.0m³/s(11月1半旬～翌年5月3半旬)を含む

④既得水利権による取水地点ごとの用途別の月別取水量
既得水利権による用途別の取水量は次のとおりである。

平沢地点

単位：m³/s

月	半旬	既得取水量		
		上水	工水	農水
1	1	0.320	0.377	—
	2	0.320	0.377	—
	3	0.320	0.377	—
	4	0.320	0.377	—
	5	0.320	0.377	—
	6	0.320	0.377	—
2	1	0.320	0.377	—
	2	0.320	0.377	—
	3	0.320	0.377	—
	4	0.320	0.377	—
	5	0.320	0.377	—
	6	0.320	0.377	—
3	1	0.320	0.377	—
	2	0.320	0.377	—
	3	0.320	0.377	—
	4	0.320	0.377	—
	5	0.320	0.377	—
	6	0.320	0.377	—
4	1	0.320	0.377	—
	2	0.320	0.377	—
	3	0.320	0.377	—
	4	0.320	0.377	—
	5	0.320	0.377	—
	6	0.320	0.377	—
5	1	0.320	0.377	—
	2	0.320	0.377	—
	3	0.320	0.377	—
	4	0.320	0.377	—
	5	0.320	0.377	—
	6	0.320	0.377	—
6	1	0.320	0.377	—
	2	0.320	0.377	—
	3	0.320	0.377	—
	4	0.320	0.377	—
	5	0.320	0.377	—
	6	0.320	0.377	—
7	1	0.320	0.377	—
	2	0.320	0.377	—
	3	0.320	0.377	—
	4	0.320	0.377	—
	5	0.320	0.377	—
	6	0.320	0.377	—
8	1	0.320	0.377	—
	2	0.320	0.377	—
	3	0.320	0.377	—
	4	0.320	0.377	—
	5	0.320	0.377	—
	6	0.320	0.377	—
9	1	0.320	0.377	—
	2	0.320	0.377	—
	3	0.320	0.377	—
	4	0.320	0.377	—
	5	0.320	0.377	—
	6	0.320	0.377	—
10	1	0.320	0.377	—
	2	0.320	0.377	—
	3	0.320	0.377	—
	4	0.320	0.377	—
	5	0.320	0.377	—
	6	0.320	0.377	—
11	1	0.320	0.377	—
	2	0.320	0.377	—
	3	0.320	0.377	—
	4	0.320	0.377	—
	5	0.320	0.377	—
	6	0.320	0.377	—
12	1	0.320	0.377	—
	2	0.320	0.377	—
	3	0.320	0.377	—
	4	0.320	0.377	—
	5	0.320	0.377	—
	6	0.320	0.377	—

皆野橋地点

単位: m³/s

月	半旬	既得取水量			
		上水	工水	農水	その他
1	1	0.08037	—	0.000	0.0046
	2	0.08037	—	0.000	0.0046
	3	0.08037	—	0.000	0.0046
	4	0.08037	—	0.000	0.0046
	5	0.08037	—	0.000	0.0046
	6	0.08037	—	0.000	0.0046
2	1	0.08037	—	0.000	0.0046
	2	0.08037	—	0.000	0.0046
	3	0.08037	—	0.000	0.0046
	4	0.08037	—	0.000	0.0046
	5	0.08037	—	0.000	0.0046
	6	0.08037	—	0.000	0.0046
3	1	0.08037	—	0.000	0.0046
	2	0.08037	—	0.000	0.0046
	3	0.08037	—	0.000	0.0046
	4	0.08037	—	0.000	0.0046
	5	0.08037	—	0.000	0.0046
	6	0.08037	—	0.000	0.0046
4	1	0.08037	—	0.000	0.0046
	2	0.08037	—	0.000	0.0046
	3	0.08037	—	0.000	0.0046
	4	0.08037	—	0.000	0.0046
	5	0.08037	—	0.000	0.0046
	6	0.08037	—	0.000	0.0046
5	1	0.08037	—	0.000	0.0046
	2	0.08037	—	0.000	0.0046
	3	0.08037	—	0.000	0.0046
	4	0.08037	—	0.000	0.0046
	5	0.08037	—	0.000	0.0046
	6	0.08037	—	0.000	0.0046
6	1	0.08037	—	0.455	0.0046
	2	0.08037	—	0.455	0.0046
	3	0.08037	—	0.455	0.0046
	4	0.08037	—	0.967	0.0046
	5	0.08037	—	0.875	0.0046
	6	0.08037	—	0.875	0.0046
7	1	0.08037	—	0.688	0.0046
	2	0.08037	—	0.688	0.0046
	3	0.08037	—	0.667	0.0046
	4	0.08037	—	0.667	0.0046
	5	0.08037	—	0.667	0.0046
	6	0.08037	—	0.728	0.0046
8	1	0.08037	—	0.728	0.0046
	2	0.08037	—	0.728	0.0046
	3	0.08037	—	0.728	0.0046
	4	0.08037	—	0.728	0.0046
	5	0.08037	—	0.624	0.0046
	6	0.08037	—	0.624	0.0046
9	1	0.08037	—	0.624	0.0046
	2	0.08037	—	0.624	0.0046
	3	0.08037	—	0.624	0.0046
	4	0.08037	—	0.624	0.0046
	5	0.08037	—	0.624	0.0046
	6	0.08037	—	0.624	0.0046
10	1	0.08037	—	0.000	0.0046
	2	0.08037	—	0.000	0.0046
	3	0.08037	—	0.000	0.0046
	4	0.08037	—	0.000	0.0046
	5	0.08037	—	0.000	0.0046
	6	0.08037	—	0.000	0.0046
11	1	0.08037	—	0.000	0.0046
	2	0.08037	—	0.000	0.0046
	3	0.08037	—	0.000	0.0046
	4	0.08037	—	0.000	0.0046
	5	0.08037	—	0.000	0.0046
	6	0.08037	—	0.000	0.0046
12	1	0.08037	—	0.000	0.0046
	2	0.08037	—	0.000	0.0046
	3	0.08037	—	0.000	0.0046
	4	0.08037	—	0.000	0.0046
	5	0.08037	—	0.000	0.0046
	6	0.08037	—	0.000	0.0046

※その他はこんにやく荒粉加工用水

寄居地点

单位: m³/s

月	半旬	既得取水量		
		上水	工水	農水
1	1	—	—	1.552
	2	—	—	1.822
	3	—	—	2.035
	4	—	—	2.073
	5	—	—	2.073
	6	—	—	2.204
2	1	—	—	2.369
	2	—	—	2.369
	3	—	—	2.389
	4	—	—	2.389
	5	—	—	2.522
	6	—	—	2.222
3	1	—	—	2.394
	2	—	—	2.624
	3	—	—	2.581
	4	—	—	2.527
	5	—	—	2.494
	6	—	—	2.774
4	1	—	—	2.830
	2	—	—	2.830
	3	—	—	2.807
	4	—	—	2.051
	5	—	—	2.038
	6	—	—	2.994
5	1	—	—	2.852
	2	—	—	2.138
	3	—	—	2.419
	4	—	—	1.802
	5	—	—	2.123
	6	—	—	1.552
6	1	—	—	2.466
	2	—	—	4.299
	3	—	—	4.574
	4	—	—	7.236
	5	—	—	10.621
	6	—	—	16.452
7	1	—	—	16.812
	2	—	—	11.767
	3	—	—	12.826
	4	—	—	12.406
	5	—	—	15.828
	6	—	—	16.197
8	1	—	—	16.751
	2	—	—	16.938
	3	—	—	16.493
	4	—	—	11.783
	5	—	—	13.529
	6	—	—	13.527
9	1	—	—	14.921
	2	—	—	14.227
	3	—	—	10.948
	4	—	—	11.009
	5	—	—	4.263
	6	—	—	4.701
10	1	—	—	2.289
	2	—	—	2.000
	3	—	—	2.153
	4	—	—	1.854
	5	—	—	2.377
	6	—	—	1.863
11	1	—	—	1.552
	2	—	—	1.658
	3	—	—	2.264
	4	—	—	2.498
	5	—	—	2.489
	6	—	—	1.864
12	1	—	—	2.001
	2	—	—	2.183
	3	—	—	2.107
	4	—	—	2.107
	5	—	—	2.107
	6	—	—	1.875

小瀬戸地点

単位：m³/s

月	半旬	既得取水量		
		上水	工水	農水
1	1	0.277	—	0.000
	2	0.277	—	0.000
	3	0.277	—	0.000
	4	0.277	—	0.000
	5	0.277	—	0.000
	6	0.277	—	0.000
2	1	0.277	—	0.000
	2	0.277	—	0.000
	3	0.277	—	0.000
	4	0.277	—	0.000
	5	0.277	—	0.000
	6	0.277	—	0.000
3	1	0.277	—	0.000
	2	0.277	—	0.000
	3	0.277	—	0.000
	4	0.277	—	0.000
	5	0.277	—	0.000
	6	0.277	—	0.000
4	1	0.277	—	0.000
	2	0.277	—	0.000
	3	0.277	—	0.000
	4	0.277	—	0.000
	5	0.277	—	0.000
	6	0.277	—	0.000
5	1	0.277	—	0.000
	2	0.277	—	0.000
	3	0.277	—	0.000
	4	0.277	—	0.000
	5	0.277	—	0.500
	6	0.277	—	0.500
6	1	0.277	—	0.500
	2	0.277	—	0.500
	3	0.277	—	0.500
	4	0.277	—	0.500
	5	0.277	—	1.500
	6	0.277	—	2.200
7	1	0.277	—	1.800
	2	0.277	—	1.800
	3	0.277	—	1.800
	4	0.277	—	1.800
	5	0.277	—	1.700
	6	0.277	—	1.700
8	1	0.277	—	1.700
	2	0.277	—	1.700
	3	0.277	—	1.500
	4	0.277	—	1.500
	5	0.277	—	1.500
	6	0.277	—	1.500
9	1	0.277	—	1.500
	2	0.277	—	1.500
	3	0.277	—	1.200
	4	0.277	—	1.200
	5	0.277	—	1.200
	6	0.277	—	1.200
10	1	0.277	—	0.600
	2	0.277	—	0.600
	3	0.277	—	0.600
	4	0.277	—	0.000
	5	0.277	—	0.000
	6	0.277	—	0.000
11	1	0.277	—	0.000
	2	0.277	—	0.000
	3	0.277	—	0.000
	4	0.277	—	0.000
	5	0.277	—	0.000
	6	0.277	—	0.000
12	1	0.277	—	0.000
	2	0.277	—	0.000
	3	0.277	—	0.000
	4	0.277	—	0.000
	5	0.277	—	0.000
	6	0.277	—	0.000

※上水については、有間ダムの持ち分を記載

⑤計算に用いた本川および支川の各地点の半旬ごとの流量データ（全計算期間 20 年間）
計算に用いた各地点の半旬毎の流量データは次のとおりである。

二瀬ダム地点流量データ (1/4)

単位: m³/s

年		1983	1984	1985	1986	1987
月・半旬		(S58)	(S59)	(S60)	(S61)	(S62)
1	1	0.48	0.35	0.22	0.24	0.28
	2	0.42	0.33	0.28	0.14	0.17
	3	0.41	0.31	0.20	0.12	0.15
	4	0.40	0.27	0.15	0.15	0.10
	5	0.33	0.31	0.13	0.11	0.23
	6	0.39	0.34	0.12	0.11	0.12
2	1	0.32	0.81	0.14	0.16	0.13
	2	0.29	0.72	0.57	0.14	0.11
	3	0.24	0.71	0.10	0.18	0.20
	4	0.29	0.56	0.25	0.24	0.31
	5	0.20	1.34	0.25	0.32	0.14
	6	0.22	1.42	0.38	0.88	0.94
3	1	0.61	0.70	0.23	0.31	0.53
	2	0.30	0.33	0.85	0.29	0.30
	3	0.37	0.15	1.93	0.42	0.36
	4	0.33	0.17	3.48	0.33	0.80
	5	0.96	0.18	2.67	0.52	4.40
	6	0.46	0.34	6.48	1.16	0.70
4	1	2.30	0.62	7.71	0.88	0.17
	2	1.17	0.20	5.95	0.68	0.37
	3	2.36	0.26	12.29	1.16	0.14
	4	12.30	3.01	8.24	1.01	0.12
	5	2.69	0.36	13.49	2.86	0.10
	6	1.42	0.10	5.71	1.62	0.14
5	1	0.96	1.28	2.88	0.50	0.10
	2	3.52	0.32	1.68	1.84	0.12
	3	1.40	0.25	0.41	2.09	1.34
	4	29.54	0.62	0.59	1.27	0.41
	5	4.60	0.15	2.17	3.16	2.82
	6	1.57	0.30	0.98	2.29	0.42
6	1	0.87	0.28	0.95	0.92	0.21
	2	1.01	0.30	0.38	1.13	0.22
	3	0.91	0.32	14.89	1.03	0.17
	4	2.99	0.46	14.15	2.62	1.48
	5	2.89	0.97	17.31	1.10	0.73
	6	1.23	3.06	52.80	1.70	0.24
7	1	1.69	0.49	47.41	3.63	0.76
	2	6.52	1.16	10.14	1.89	0.31
	3	4.61	0.70	5.52	1.91	0.38
	4	8.55	0.98	4.21	2.25	0.75
	5	3.32	1.97	4.56	1.90	0.26
	6	1.15	4.79	1.75	0.25	0.17
8	1	1.48	0.42	1.18	14.64	0.67
	2	3.71	0.35	0.64	5.30	0.56
	3	49.38	0.13	0.90	1.62	0.24
	4	145.24	0.20	0.11	0.56	0.59
	5	20.93	0.64	0.33	0.57	0.80
	6	6.82	0.61	1.17	0.92	1.07
9	1	3.03	0.55	0.65	51.78	1.98
	2	2.40	0.54	0.41	8.87	5.35
	3	0.94	0.65	0.35	2.93	4.48
	4	1.45	0.64	0.35	2.17	12.16
	5	5.82	0.76	3.11	1.42	5.48
	6	55.49	0.42	2.35	1.49	3.33
10	1	11.45	0.62	0.94	2.00	2.01
	2	5.81	0.45	0.32	2.18	1.77
	3	3.30	2.50	0.63	1.06	1.16
	4	2.04	1.96	0.36	1.00	1.07
	5	1.93	1.32	0.31	1.32	1.20
	6	1.45	0.33	0.42	0.49	1.05
11	1	0.86	0.27	0.38	0.44	2.33
	2	1.24	0.32	0.94	0.40	1.76
	3	0.72	0.93	2.09	0.18	1.14
	4	0.66	0.68	0.34	1.22	1.17
	5	0.74	0.39	0.31	1.83	0.65
	6	0.66	0.29	0.24	0.84	0.48
12	1	0.60	0.29	0.20	0.33	0.57
	2	0.37	0.33	0.22	0.62	0.63
	3	0.40	0.81	0.25	0.94	0.56
	4	0.26	0.48	0.13	2.24	0.56
	5	0.31	0.30	0.14	0.95	0.70
	6	0.36	0.24	0.30	0.27	0.63

二瀬ダム地点流量データ (2/4)

単位: m³/s

年		1988	1989	1990	1991	1992
月・半旬		(S63)	(H01)	(H02)	(H03)	(H04)
1	1	0.53	0.09	0.51	0.81	0.11
	2	0.61	0.36	0.47	0.59	0.07
	3	0.63	0.38	0.45	0.53	0.16
	4	0.55	0.65	0.40	0.60	0.13
	5	0.60	0.42	0.59	0.59	0.23
	6	0.53	0.35	0.82	1.88	0.34
2	1	0.55	0.30	1.25	0.88	0.41
	2	0.50	0.55	1.12	1.19	0.34
	3	0.47	0.41	3.09	1.36	0.25
	4	0.43	1.03	3.04	0.71	0.46
	5	0.45	1.26	3.93	1.06	0.28
	6	0.56	3.08	0.58	1.19	0.29
3	1	0.48	4.43	0.68	0.96	0.56
	2	0.40	2.21	0.46	1.40	0.41
	3	0.47	1.35	0.82	0.91	0.44
	4	0.43	1.04	0.32	0.34	0.39
	5	0.67	0.97	0.20	4.85	0.99
	6	0.75	0.59	1.40	14.58	2.83
4	1	0.96	1.24	2.31	2.54	4.82
	2	1.46	3.89	3.15	7.31	4.52
	3	4.18	2.90	2.59	3.13	5.50
	4	2.26	5.49	3.18	0.40	1.03
	5	3.01	6.76	7.62	0.58	1.98
	6	1.20	4.11	2.56	0.20	1.01
5	1	0.80	0.33	2.33	0.30	1.11
	2	1.04	1.67	3.30	0.41	0.52
	3	0.85	6.47	1.87	0.33	0.16
	4	0.27	1.32	0.83	0.18	0.85
	5	2.49	1.40	0.54	0.14	0.28
	6	0.88	8.45	0.56	0.52	1.51
6	1	5.56	1.79	0.18	0.39	0.61
	2	2.48	1.44	0.23	0.17	0.93
	3	0.28	1.12	0.13	0.64	0.15
	4	0.23	5.93	0.40	1.05	1.44
	5	0.24	6.78	1.67	3.28	9.83
	6	14.79	7.24	1.55	0.69	7.50
7	1	9.54	4.27	1.22	2.33	5.34
	2	3.63	3.58	0.56	1.66	0.82
	3	4.86	3.55	0.71	3.91	0.73
	4	2.28	5.94	0.39	2.86	0.37
	5	2.47	4.47	0.47	0.65	1.91
	6	17.03	28.94	0.36	0.56	0.10
8	1	4.43	20.84	0.27	0.81	4.82
	2	4.49	74.43	43.35	0.71	6.11
	3	21.85	11.09	16.24	0.98	22.67
	4	27.08	8.10	1.67	28.28	4.77
	5	14.63	4.57	0.45	30.57	0.78
	6	22.89	47.50	0.91	18.23	0.19
9	1	6.22	46.99	1.63	13.85	0.15
	2	8.03	26.68	0.65	11.88	0.11
	3	16.19	7.92	2.47	34.31	0.09
	4	20.85	13.64	15.59	58.53	0.14
	5	37.21	12.23	6.08	22.36	0.20
	6	43.66	5.20	32.88	14.85	0.62
10	1	13.74	2.93	25.45	26.12	0.32
	2	10.56	9.90	20.46	40.46	9.21
	3	2.95	11.57	9.82	81.85	5.06
	4	0.51	6.76	1.91	18.26	7.86
	5	0.61	5.85	1.18	7.78	8.14
	6	0.71	1.06	1.21	10.50	3.09
11	1	0.72	0.75	2.93	1.66	1.25
	2	0.66	0.66	2.75	0.45	1.08
	3	1.18	0.84	2.35	0.35	0.40
	4	0.83	1.15	1.58	0.82	2.58
	5	0.88	0.98	1.03	0.62	3.51
	6	0.92	0.86	22.57	3.14	0.18
12	1	0.76	0.94	21.25	0.52	2.02
	2	0.77	0.84	3.44	0.70	3.79
	3	0.29	0.78	1.20	0.19	3.29
	4	0.24	0.64	0.65	0.31	1.79
	5	0.14	0.66	1.22	0.38	1.48
	6	0.16	0.49	1.57	0.18	1.76

二瀬ダム地点流量データ (3/4)

単位: m³/s

年 月・半旬		1993 (H05)	1994 (H06)	1995 (H07)	1996 (H08)	1997 (H09)
1	1	1.28	0.21	1.60	1.07	0.65
	2	0.58	0.12	0.99	1.24	0.51
	3	0.28	0.16	0.84	1.12	0.49
	4	0.18	0.40	0.87	1.13	0.46
	5	0.13	0.44	0.84	0.97	0.45
	6	0.54	0.32	0.77	0.96	0.45
2	1	0.54	0.30	0.78	0.87	0.38
	2	0.68	0.32	0.73	1.02	0.37
	3	0.54	0.29	0.78	1.32	0.38
	4	0.57	0.10	0.72	0.98	0.40
	5	0.77	0.18	0.68	0.19	0.39
	6	0.51	0.20	0.78	0.39	0.61
3	1	0.46	0.09	1.00	0.41	0.59
	2	0.54	0.77	0.65	0.37	0.48
	3	0.43	0.31	0.73	0.43	0.56
	4	0.16	0.23	1.69	1.21	0.69
	5	0.29	0.79	1.22	0.82	0.72
	6	0.40	0.26	2.13	2.91	1.77
4	1	0.42	0.69	2.59	0.45	1.55
	2	0.18	0.62	2.50	0.25	13.67
	3	0.26	1.55	2.67	0.19	3.20
	4	0.22	0.57	3.56	0.42	1.75
	5	0.20	0.54	3.12	0.26	1.40
	6	0.28	0.42	2.04	0.37	1.31
5	1	0.87	0.49	3.31	1.00	1.16
	2	2.52	0.22	2.25	1.86	1.23
	3	6.75	0.60	4.98	0.26	1.33
	4	1.12	0.78	8.80	0.25	1.00
	5	0.10	0.17	3.11	0.17	3.88
	6	0.14	1.27	2.21	0.20	4.15
6	1	0.20	0.39	2.17	0.16	2.18
	2	0.23	0.21	3.69	0.17	1.57
	3	0.14	0.20	6.72	0.16	2.49
	4	1.28	2.11	6.39	0.19	15.41
	5	2.82	0.49	3.69	1.45	8.96
	6	2.73	0.37	2.95	1.41	9.98
7	1	21.57	0.46	7.50	0.89	5.48
	2	12.15	0.58	14.23	2.59	3.84
	3	4.92	1.22	10.06	0.81	7.67
	4	3.86	3.51	5.79	0.96	4.55
	5	9.51	1.71	4.37	9.65	2.63
	6	14.73	2.51	3.08	1.82	7.86
8	1	3.84	2.05	2.64	1.54	4.06
	2	5.88	0.75	2.72	0.95	2.65
	3	10.86	0.25	1.62	1.61	1.81
	4	4.19	1.17	1.30	0.14	1.28
	5	1.15	2.64	1.49	0.29	0.84
	6	44.34	0.68	1.87	0.78	1.36
9	1	37.36	0.57	1.59	0.67	1.96
	2	39.98	0.48	1.54	2.10	2.64
	3	20.30	1.36	1.60	5.94	3.74
	4	6.63	12.40	27.05	2.70	6.79
	5	5.62	1.33	4.53	44.47	5.35
	6	2.02	30.86	2.91	8.38	7.39
10	1	1.58	26.03	4.43	6.30	3.24
	2	10.48	8.59	3.77	9.08	2.26
	3	4.86	2.34	1.94	6.25	1.45
	4	0.62	0.49	1.66	2.83	1.57
	5	0.07	2.26	3.70	0.64	1.33
	6	0.59	0.73	3.81	0.22	1.13
11	1	0.32	0.60	3.95	1.95	1.07
	2	0.37	0.70	5.06	0.26	0.97
	3	5.34	0.63	3.93	0.24	0.85
	4	0.23	0.65	3.86	0.28	1.13
	5	0.57	0.57	3.61	0.26	0.82
	6	0.15	0.52	3.18	0.46	8.56
12	1	0.87	0.44	2.68	0.83	2.89
	2	0.55	0.35	2.05	0.25	1.39
	3	1.02	0.40	1.81	0.59	1.19
	4	0.78	0.32	1.80	0.73	1.64
	5	0.09	0.35	1.65	0.57	0.94
	6	0.24	0.27	1.90	0.24	1.01

二瀬ダム地点流量データ (4/4)

単位: m³/s

年		1998	1999	2000	2001	2002
月・半旬		(H10)	(H11)	(H12)	(H13)	(H14)
1	1	0.47	0.58	0.59	0.66	0.55
	2	0.49	0.42	0.76	0.87	0.55
	3	1.15	0.46	1.17	0.69	0.60
	4	1.46	1.47	1.07	0.57	0.46
	5	0.62	0.82	0.90	1.09	1.61
	6	0.51	0.47	0.87	1.96	0.82
2	1	0.48	0.56	1.56	1.84	0.81
	2	0.55	0.50	1.34	2.11	0.75
	3	0.93	1.57	0.90	1.83	0.66
	4	1.46	0.47	0.72	2.14	0.42
	5	1.57	0.43	0.73	2.93	0.47
	6	2.72	0.48	0.74	1.41	0.62
3	1	1.42	0.38	0.70	2.09	0.93
	2	1.56	0.33	0.41	2.30	1.34
	3	1.37	0.73	0.51	1.62	0.68
	4	2.63	0.63	0.44	1.89	0.61
	5	1.10	0.62	1.22	2.14	0.57
	6	2.29	0.90	1.17	2.36	4.38
4	1	3.14	0.47	0.51	1.77	1.69
	2	14.35	0.91	1.08	1.98	1.14
	3	33.12	13.74	1.00	1.41	0.49
	4	20.97	1.81	0.91	1.18	0.63
	5	7.04	11.63	3.61	0.94	2.35
	6	1.71	9.05	1.70	1.26	0.66
5	1	0.40	6.35	0.96	2.26	0.35
	2	0.29	5.93	0.59	1.23	0.59
	3	0.36	1.04	0.67	0.69	0.75
	4	2.69	1.71	1.39	0.43	0.85
	5	6.38	1.01	1.00	5.60	0.22
	6	6.83	3.05	0.71	2.37	0.38
6	1	3.86	1.07	0.70	0.62	0.52
	2	3.14	0.94	1.29	0.81	0.37
	3	2.95	1.19	5.86	3.54	0.51
	4	2.41	2.37	3.35	4.42	1.65
	5	15.14	1.18	3.57	0.73	0.57
	6	4.01	32.78	2.03	0.24	0.75
7	1	2.18	18.37	9.01	0.44	0.69
	2	1.35	12.73	36.43	0.68	25.46
	3	1.31	41.27	8.66	0.89	23.98
	4	1.67	15.45	3.51	1.25	6.51
	5	2.02	5.93	1.76	1.45	4.17
	6	4.47	2.39	2.13	0.86	1.39
8	1	3.83	1.80	7.15	1.22	2.78
	2	5.31	1.77	12.72	0.74	1.03
	3	2.38	104.02	30.89	1.40	0.38
	4	1.27	30.88	27.88	0.46	29.86
	5	0.76	10.72	6.41	36.10	8.61
	6	14.71	3.65	4.38	4.19	2.70
9	1	12.35	2.81	2.46	1.48	1.76
	2	4.14	3.35	2.12	96.10	4.00
	3	21.03	8.17	34.74	92.39	1.82
	4	48.71	4.17	11.36	13.32	1.61
	5	45.11	17.91	5.03	8.55	0.74
	6	41.94	5.93	1.18	4.15	1.90
10	1	23.79	3.60	0.96	6.49	30.72
	2	7.37	2.86	0.21	10.81	5.73
	3	4.38	2.08	1.12	12.32	2.53
	4	28.21	2.20	1.12	6.87	1.67
	5	15.77	1.80	1.59	4.61	1.90
	6	6.15	3.66	0.90	2.47	1.95
11	1	3.40	3.64	6.95	4.18	2.23
	2	2.68	1.63	2.06	6.65	0.85
	3	1.61	1.55	1.54	2.34	0.79
	4	1.01	1.27	4.37	1.93	0.61
	5	1.19	1.17	5.65	1.83	0.79
	6	1.09	1.25	2.27	1.39	0.78
12	1	1.25	0.87	1.61	1.07	0.55
	2	0.95	0.97	1.52	0.82	0.61
	3	1.00	0.86	1.12	0.96	0.58
	4	0.66	0.59	0.91	0.87	0.45
	5	0.52	0.68	0.80	0.70	0.42
	6	0.58	0.51	0.79	0.63	0.47

滝沢ダム地点流量データ (1/4)

単位: m³/s

年 月・半旬	1983 (S58)	1984 (S59)	1985 (S60)	1986 (S61)	1987 (S62)	
1	1	0.87	0.70	0.64	0.58	0.81
	2	0.98	0.69	0.55	0.49	0.76
	3	0.78	0.63	0.57	0.48	0.72
	4	0.74	0.61	0.51	0.48	0.85
	5	0.70	0.65	0.52	0.44	0.93
	6	0.64	0.62	0.47	0.40	0.85
2	1	0.74	0.65	0.49	0.39	0.85
	2	0.68	0.63	1.05	0.40	0.83
	3	0.61	0.65	1.22	0.39	1.08
	4	0.60	0.66	0.79	0.43	0.69
	5	0.60	0.64	0.76	0.41	0.81
	6	0.64	0.63	0.62	0.38	0.72
3	1	0.89	0.60	1.16	0.41	0.67
	2	0.69	0.60	1.79	0.43	0.81
	3	0.93	0.60	1.62	0.54	0.95
	4	0.74	0.65	3.77	0.60	1.22
	5	1.16	0.65	4.22	0.59	3.12
	6	1.25	0.82	6.53	0.84	1.73
4	1	4.03	1.26	7.65	2.09	1.16
	2	2.39	1.87	7.94	1.69	0.96
	3	3.66	1.19	19.28	1.16	1.13
	4	9.50	2.30	8.18	1.57	1.03
	5	4.33	3.49	10.06	4.38	1.04
	6	2.17	1.95	5.96	4.69	1.03
5	1	1.69	2.53	3.76	2.66	0.90
	2	1.79	1.83	2.63	4.03	0.79
	3	1.29	1.49	2.42	4.83	1.85
	4	11.20	2.84	2.01	5.51	1.81
	5	2.90	1.92	1.60	3.99	1.59
	6	2.60	1.39	2.30	3.02	1.19
6	1	2.02	1.20	1.44	2.38	0.93
	2	1.57	1.05	1.21	2.06	1.03
	3	1.49	0.95	11.71	1.54	1.05
	4	1.44	1.03	9.61	1.88	1.05
	5	3.39	1.74	14.64	1.45	2.72
	6	1.98	6.96	27.60	2.07	1.58
7	1	2.83	4.03	37.14	3.08	2.50
	2	5.22	2.99	7.02	2.77	3.15
	3	4.73	1.95	5.02	3.59	2.88
	4	5.01	1.93	3.26	3.51	5.36
	5	4.50	3.24	4.02	2.79	4.10
	6	3.11	9.20	2.40	2.43	1.59
8	1	2.82	3.46	3.00	10.32	1.37
	2	2.76	3.69	1.85	7.85	1.23
	3	17.07	4.17	1.61	2.74	1.27
	4	88.91	1.71	1.00	2.09	2.02
	5	8.27	1.09	0.77	1.71	1.31
	6	4.77	1.11	1.48	1.39	0.64
9	1	2.95	0.80	1.51	34.17	0.97
	2	4.47	0.84	1.34	6.98	1.22
	3	3.40	0.99	1.01	3.80	7.16
	4	3.29	1.53	1.02	2.87	8.04
	5	5.37	1.23	1.63	2.10	5.41
	6	41.63	0.94	2.32	1.79	9.56
10	1	15.63	0.79	1.97	2.72	3.21
	2	5.43	0.73	1.47	3.26	1.41
	3	4.65	4.15	1.31	2.59	1.07
	4	3.88	2.64	1.07	1.76	4.02
	5	2.28	3.43	0.93	1.44	1.83
	6	2.31	1.63	0.84	1.27	1.46
11	1	1.70	1.22	0.78	1.17	1.66
	2	1.61	1.02	1.08	1.20	2.49
	3	1.47	0.94	0.81	1.24	1.31
	4	1.25	1.20	0.71	0.83	0.97
	5	1.22	1.18	0.76	1.00	0.87
	6	1.12	0.96	0.71	0.92	0.89
12	1	1.02	0.83	0.64	0.89	0.67
	2	0.97	0.75	0.67	0.84	0.73
	3	0.93	1.21	0.62	0.90	0.83
	4	0.87	0.99	0.59	2.01	0.72
	5	0.78	0.87	0.58	1.06	0.40
	6	0.69	0.74	0.55	0.87	0.34

滝沢ダム地点流量データ (2/4)

単位: m³/s

年		1988	1989	1990	1991	1992
月・半月		(S63)	(H01)	(H02)	(H03)	(H04)
1	1	0.45	0.76	0.48	1.68	1.39
	2	0.35	0.51	0.41	1.67	1.34
	3	0.25	0.51	0.48	1.78	1.25
	4	0.23	0.47	0.50	1.95	0.88
	5	0.27	0.63	0.44	1.75	0.61
	6	0.21	0.50	0.49	1.56	0.50
2	1	0.19	0.46	0.68	1.42	0.67
	2	0.20	0.58	0.68	1.26	0.56
	3	0.20	0.56	1.33	1.52	0.46
	4	0.20	1.48	0.98	2.71	0.54
	5	0.21	0.97	2.81	1.41	0.70
	6	0.21	2.94	3.14	1.15	0.70
3	1	0.24	2.71	3.03	1.26	1.23
	2	0.21	3.13	2.36	1.41	1.06
	3	0.48	2.74	1.65	1.74	0.81
	4	0.38	2.32	1.49	1.60	1.32
	5	1.66	1.69	1.43	5.86	2.90
	6	1.48	2.05	1.42	14.58	6.13
4	1	1.27	1.56	2.76	6.52	6.74
	2	1.75	4.92	1.81	8.97	8.10
	3	9.45	3.66	1.76	5.92	5.62
	4	5.61	3.95	4.62	4.54	4.81
	5	4.16	4.33	5.67	3.29	5.01
	6	2.89	5.28	3.59	3.06	4.35
5	1	2.58	4.81	2.08	2.18	3.74
	2	3.77	4.67	1.83	1.72	3.43
	3	3.34	6.89	1.52	1.81	2.81
	4	2.25	4.81	1.43	1.49	3.02
	5	6.04	3.84	1.20	1.37	3.36
	6	3.64	9.04	1.09	1.05	4.83
6	1	4.22	3.21	1.27	2.58	4.43
	2	3.23	2.01	1.16	2.07	3.37
	3	2.80	1.66	1.17	1.92	2.55
	4	3.58	5.21	1.24	3.32	2.37
	5	2.84	6.68	0.90	6.12	11.96
	6	23.91	8.24	0.96	4.79	6.40
7	1	16.07	5.61	0.94	3.65	6.44
	2	4.03	6.08	0.70	4.38	4.53
	3	2.96	7.36	0.95	4.45	3.60
	4	3.36	8.66	0.69	5.09	4.23
	5	3.55	5.56	0.66	4.21	3.48
	6	11.85	20.60	0.76	2.38	3.24
8	1	5.03	11.52	0.52	3.46	3.97
	2	3.43	37.83	13.20	2.77	3.88
	3	7.37	7.14	6.52	3.70	5.07
	4	22.45	8.19	3.52	4.85	2.85
	5	15.04	5.34	1.90	28.85	3.21
	6	24.39	27.41	1.34	16.82	2.61
9	1	5.74	23.58	1.21	15.84	2.24
	2	9.82	12.42	1.30	10.22	2.04
	3	10.42	4.41	1.51	15.01	1.61
	4	17.15	9.73	5.45	32.33	1.50
	5	10.95	7.88	3.84	16.32	1.31
	6	27.82	4.58	13.29	10.04	1.98
10	1	9.66	5.30	16.22	18.12	1.84
	2	6.47	12.97	13.12	18.91	9.12
	3	5.36	14.45	6.70	43.64	5.84
	4	4.19	6.62	4.43	9.88	8.82
	5	2.46	3.83	3.35	6.62	11.95
	6	1.59	3.34	3.93	11.88	3.61
11	1	1.33	2.23	3.85	8.00	3.05
	2	1.14	1.72	5.93	4.65	3.08
	3	0.90	1.11	3.87	3.35	2.59
	4	0.76	0.83	2.09	1.98	2.34
	5	0.68	0.80	1.78	1.79	4.65
	6	0.60	0.70	12.01	2.43	2.95
12	1	0.53	0.65	15.42	1.99	1.07
	2	0.48	0.66	5.05	1.51	2.29
	3	0.85	0.61	4.14	1.61	1.76
	4	0.92	0.59	2.74	1.38	1.75
	5	0.87	0.54	1.56	1.27	1.63
	6	0.74	0.54	1.31	1.33	1.30

滝沢ダム地点流量データ (3/4)

単位: m³/s

年 月・半旬		1993 (H05)	1994 (H06)	1995 (H07)	1996 (H08)	1997 (H09)
1	1	1.12	1.20	1.08	0.58	0.90
	2	1.38	1.14	1.03	0.54	0.91
	3	1.16	1.17	0.77	0.51	0.77
	4	1.19	1.50	0.70	0.62	0.69
	5	1.26	0.93	0.76	0.55	0.76
	6	1.45	0.94	0.74	0.45	0.69
2	1	1.00	0.91	0.65	0.44	0.60
	2	1.64	0.85	0.63	0.41	0.69
	3	1.21	0.85	0.62	0.43	0.62
	4	1.26	0.93	0.88	0.51	0.69
	5	1.45	1.46	0.81	0.44	0.53
	6	1.23	1.00	0.90	0.56	0.50
3	1	1.19	0.92	0.70	0.58	0.72
	2	1.19	2.31	0.68	0.52	0.63
	3	1.14	1.99	0.67	0.55	0.67
	4	1.00	1.10	1.25	1.26	0.89
	5	1.24	1.57	0.98	0.94	0.85
	6	1.46	2.10	1.50	1.24	2.35
4	1	1.80	2.61	1.78	1.70	1.71
	2	2.09	2.74	1.67	0.99	11.44
	3	1.45	2.94	1.80	0.84	3.55
	4	1.20	1.90	1.79	1.69	1.72
	5	1.62	1.68	1.86	1.27	1.48
	6	1.80	1.42	1.59	1.19	1.26
5	1	2.73	1.31	1.87	1.52	1.14
	2	1.89	1.23	1.64	2.09	1.14
	3	5.07	1.93	2.20	2.26	1.20
	4	5.64	2.79	5.05	1.44	1.51
	5	2.89	1.91	2.52	1.25	4.58
	6	1.97	3.31	1.70	1.00	6.01
6	1	1.68	1.87	1.42	0.90	2.35
	2	1.58	1.51	2.65	0.92	2.02
	3	1.28	1.83	4.95	0.93	8.19
	4	1.29	2.20	4.65	0.87	7.34
	5	4.20	2.26	2.62	0.90	12.42
	6	3.84	1.98	2.43	2.59	6.17
7	1	17.19	1.49	3.11	1.08	3.34
	2	13.84	1.61	9.48	2.15	2.53
	3	5.72	2.05	4.61	3.20	3.83
	4	4.44	2.48	3.74	2.18	3.28
	5	5.16	7.33	3.23	9.16	2.29
	6	10.92	11.63	2.24	2.78	4.14
8	1	5.56	6.82	2.17	2.09	3.34
	2	7.15	4.93	1.80	1.79	2.44
	3	8.95	3.00	1.35	1.86	2.02
	4	8.23	1.84	1.18	1.40	1.37
	5	5.80	7.61	1.66	1.10	0.81
	6	28.67	3.09	1.28	1.53	0.98
9	1	18.71	2.55	1.26	1.24	0.84
	2	16.82	2.12	1.05	1.62	0.96
	3	13.38	3.09	1.25	6.08	3.06
	4	6.40	13.92	14.86	4.19	9.70
	5	6.04	4.43	3.84	25.97	4.31
	6	5.70	17.05	2.73	4.92	5.83
10	1	5.66	23.68	2.95	5.28	2.14
	2	12.07	6.39	2.44	7.00	1.60
	3	6.82	3.67	1.72	4.81	1.78
	4	4.93	3.25	1.51	4.89	1.21
	5	4.06	3.89	1.37	3.49	1.09
	6	2.90	2.65	1.30	2.62	1.02
11	1	2.53	2.04	1.02	2.65	0.91
	2	2.07	1.67	1.34	2.30	0.88
	3	5.23	1.48	0.84	2.05	0.87
	4	3.61	1.36	0.93	1.65	0.97
	5	3.19	1.31	0.92	1.57	0.83
	6	2.42	1.15	0.74	1.15	2.32
12	1	2.23	1.11	0.84	1.10	1.34
	2	1.99	1.04	0.73	1.43	0.96
	3	2.08	1.06	0.80	1.04	0.87
	4	1.56	0.93	0.68	1.21	0.81
	5	1.70	0.91	0.68	1.00	0.74
	6	1.47	0.95	0.61	0.92	0.64

滝沢ダム地点流量データ (4/4)

単位: m³/s

年 月・半旬	1998 (H10)	1999 (H11)	2000 (H12)	2001 (H13)	2002 (H14)	
1	1	0.63	0.81	1.24	0.99	0.93
	2	0.66	0.78	1.27	1.16	0.95
	3	0.76	0.74	1.27	1.17	0.93
	4	1.28	0.52	1.26	0.91	0.98
	5	0.85	0.39	1.21	0.95	1.34
	6	0.66	0.67	1.16	0.99	0.97
2	1	0.64	0.57	1.06	0.99	0.86
	2	0.65	0.59	1.07	0.97	1.07
	3	1.48	0.59	1.12	0.89	0.93
	4	1.51	0.62	0.95	0.92	1.00
	5	3.34	0.58	0.22	1.51	1.04
	6	1.45	0.57	0.25	1.31	1.02
3	1	3.51	0.59	0.25	2.47	1.12
	2	2.49	0.62	0.94	2.07	1.32
	3	3.01	0.63	0.97	1.67	1.10
	4	1.94	0.81	0.99	1.69	1.11
	5	4.78	0.83	1.01	2.23	1.01
	6	4.36	0.93	1.05	3.26	2.36
4	1	5.79	0.86	1.37	1.55	1.62
	2	16.05	0.83	1.42	2.24	1.24
	3	18.40	16.91	1.46	3.33	1.74
	4	16.26	2.92	1.50	1.61	1.32
	5	7.01	11.01	1.77	1.44	3.54
	6	4.71	14.83	1.69	1.40	1.92
5	1	4.14	8.24	1.64	3.42	1.62
	2	3.11	4.48	1.64	3.11	1.13
	3	2.54	3.44	1.58	1.92	1.77
	4	2.58	1.61	1.71	1.76	2.08
	5	2.23	1.36	1.80	6.36	2.05
	6	5.69	3.28	1.59	5.76	1.43
6	1	3.58	1.31	1.52	2.81	1.03
	2	3.08	1.17	1.56	2.39	0.98
	3	4.05	1.09	1.48	4.32	0.93
	4	4.88	1.32	1.31	6.82	3.13
	5	13.97	1.28	2.02	4.57	1.41
	6	5.80	11.70	4.49	3.34	1.94
7	1	3.07	14.43	2.76	2.57	2.15
	2	2.31	8.89	2.59	1.59	7.99
	3	2.10	28.68	1.17	1.32	33.03
	4	1.85	14.74	3.48	1.73	5.92
	5	1.79	9.71	2.29	1.45	3.80
	6	3.92	4.23	1.76	1.52	3.18
8	1	8.82	2.02	1.68	1.06	4.28
	2	9.22	1.55	1.39	1.01	3.72
	3	2.65	78.80	1.50	1.36	2.26
	4	1.98	20.45	1.32	1.03	18.73
	5	1.69	10.38	1.08	14.78	11.36
	6	8.58	5.62	1.21	3.62	4.07
9	1	16.83	3.25	2.14	2.73	2.14
	2	6.44	0.90	2.36	51.64	3.77
	3	3.38	0.89	1.91	55.23	3.58
	4	47.47	1.28	1.11	8.08	3.38
	5	23.87	9.69	3.68	5.12	2.46
	6	24.60	2.33	4.51	2.47	2.19
10	1	13.75	1.03	4.08	4.35	29.83
	2	5.21	1.54	3.31	8.24	6.92
	3	3.39	0.73	1.89	16.22	3.06
	4	11.19	0.69	1.93	5.63	2.26
	5	13.26	0.57	1.67	4.28	4.44
	6	5.08	5.74	1.95	2.91	1.65
11	1	2.41	1.80	2.64	2.73	1.71
	2	1.60	1.54	2.63	4.68	1.08
	3	1.49	1.51	1.40	3.62	1.54
	4	1.62	1.16	1.40	2.07	1.50
	5	1.18	1.08	2.12	1.40	1.42
	6	1.11	0.96	1.45	1.30	1.35
12	1	1.17	0.94	1.20	1.36	1.27
	2	1.10	0.64	1.14	1.63	1.27
	3	0.95	0.65	1.14	1.16	1.20
	4	1.02	0.77	1.30	1.08	1.30
	5	0.93	0.73	1.22	1.09	1.37
	6	0.85	0.70	1.14	0.97	1.20

浦山ダム地点流量データ (1/4)

単位: m³/s

年 月・半旬	1983 (S58)	1984 (S59)	1985 (S60)	1986 (S61)	1987 (S62)	
1	1	0.72	0.70	0.88	1.00	0.66
	2	0.73	0.72	0.94	0.84	0.56
	3	0.59	0.68	1.01	0.57	0.57
	4	0.74	0.92	1.35	0.75	0.59
	5	0.71	0.76	0.56	0.55	0.87
	6	0.65	0.73	1.03	0.43	0.65
2	1	0.65	0.59	0.64	0.72	0.60
	2	0.58	0.90	1.24	0.49	0.44
	3	0.55	0.71	1.08	0.56	0.66
	4	0.67	0.53	0.78	0.78	0.66
	5	0.62	0.44	0.87	0.71	0.63
	6	0.59	0.54	1.13	0.56	0.51
3	1	0.84	0.51	1.70	0.44	0.37
	2	0.59	0.42	1.97	0.77	0.37
	3	1.14	0.43	2.27	0.90	0.54
	4	0.91	0.49	3.75	1.15	0.73
	5	1.45	0.45	3.68	1.28	1.59
	6	1.33	0.67	4.18	1.39	1.18
4	1	3.51	1.12	4.51	3.45	0.75
	2	1.90	1.58	6.02	3.27	0.66
	3	1.69	1.03	14.40	2.60	0.62
	4	2.40	1.34	6.73	2.63	0.57
	5	1.84	1.38	6.10	7.57	0.65
	6	1.21	0.94	3.50	4.91	0.66
5	1	1.16	1.47	2.24	2.21	0.61
	2	1.25	1.00	2.07	2.58	0.63
	3	1.09	0.82	1.81	4.75	0.89
	4	4.12	1.15	1.55	5.78	0.65
	5	2.10	0.82	1.58	5.83	0.67
	6	1.66	0.72	1.42	3.95	0.97
6	1	1.35	0.68	1.14	3.07	0.55
	2	1.35	0.53	1.07	2.88	0.75
	3	1.33	0.53	3.71	2.01	0.86
	4	1.59	0.56	6.10	1.97	1.03
	5	2.09	0.96	7.33	1.59	1.64
	6	1.44	1.90	10.91	2.21	1.09
7	1	1.49	1.92	33.86	5.11	1.38
	2	3.89	2.01	4.89	3.44	1.59
	3	2.88	2.25	3.74	2.84	1.41
	4	2.51	4.08	3.41	2.79	1.83
	5	1.98	7.98	4.13	5.71	1.97
	6	1.81	2.45	2.04	4.56	1.63
8	1	1.68	1.59	1.55	11.90	1.35
	2	1.52	1.45	1.86	9.51	1.17
	3	9.30	2.94	2.50	3.70	1.77
	4	101.88	1.92	1.63	2.61	1.90
	5	9.63	1.59	1.39	3.59	2.02
	6	4.37	1.19	3.10	1.62	1.56
9	1	3.29	1.03	2.69	40.44	1.68
	2	2.54	0.99	1.86	7.75	7.32
	3	2.54	1.01	1.67	3.18	8.95
	4	2.88	1.43	1.72	2.60	8.29
	5	3.45	1.08	2.45	1.88	6.43
	6	14.60	1.03	3.33	1.72	6.71
10	1	5.22	0.98	3.45	3.18	3.56
	2	3.42	0.87	2.84	2.32	2.76
	3	2.77	6.55	2.32	1.95	2.12
	4	2.51	2.49	1.87	1.89	3.32
	5	2.09	2.57	1.61	1.48	2.06
	6	1.77	1.78	1.40	1.17	1.88
11	1	1.53	1.48	1.29	0.99	1.80
	2	1.72	1.33	1.88	0.96	1.92
	3	1.69	1.26	1.31	0.80	1.60
	4	1.45	1.69	1.17	0.70	1.48
	5	1.43	1.57	1.32	0.63	1.37
	6	1.24	1.26	1.16	0.57	1.20
12	1	1.16	1.10	1.03	0.87	0.96
	2	1.04	0.99	1.12	0.88	0.98
	3	1.02	1.37	0.99	1.11	1.19
	4	0.94	1.22	0.89	1.12	1.04
	5	0.86	1.08	0.87	0.51	1.03
	6	0.80	0.85	0.82	0.63	1.03

浦山ダム地点流量データ (2/4)

単位: m³/s

年 月・半旬	1988 (S63)	1989 (H01)	1990 (H02)	1991 (H03)	1992 (H04)	
1	1	1.40	0.69	0.70	1.74	2.07
	2	1.18	0.69	0.64	1.56	2.09
	3	1.18	0.68	0.64	1.44	2.02
	4	1.06	0.67	0.65	1.25	1.97
	5	1.00	0.78	0.55	1.23	1.88
	6	0.84	0.66	0.51	1.10	1.89
2	1	0.83	0.60	0.59	1.06	2.00
	2	1.00	0.83	0.54	0.96	1.88
	3	0.95	0.73	0.67	1.11	1.88
	4	1.03	1.24	0.79	1.71	1.88
	5	0.90	0.92	1.22	1.11	1.92
	6	0.84	1.77	1.30	1.17	2.06
3	1	0.94	1.69	2.66	1.08	2.74
	2	0.95	2.16	1.76	1.06	3.21
	3	1.07	2.03	1.30	1.13	3.18
	4	1.24	1.76	1.06	0.98	2.48
	5	3.10	1.34	0.95	2.74	3.77
	6	2.25	1.78	1.03	14.58	4.75
4	1	2.05	1.70	1.58	2.54	4.93
	2	2.44	2.71	1.24	4.79	5.13
	3	4.17	3.24	1.17	3.30	5.55
	4	4.17	2.51	2.55	2.20	4.00
	5	3.66	3.68	3.71	1.77	3.16
	6	2.74	4.12	2.50	1.67	2.82
5	1	2.31	2.69	1.88	1.71	2.95
	2	2.39	3.25	2.01	1.57	2.74
	3	2.22	7.18	1.79	2.08	2.57
	4	1.90	3.89	1.52	1.10	2.48
	5	3.18	2.75	1.29	1.03	2.36
	6	2.61	4.81	1.14	1.01	3.08
6	1	2.80	2.76	1.03	1.57	3.14
	2	2.41	2.24	0.94	1.19	2.80
	3	2.10	1.95	0.92	1.10	2.48
	4	1.96	6.32	0.95	1.43	3.13
	5	1.81	5.62	0.83	2.92	12.04
	6	6.69	5.35	0.82	2.35	5.29
7	1	5.93	4.33	0.84	1.93	5.20
	2	3.23	4.15	0.74	2.23	3.13
	3	2.49	3.42	0.87	1.88	3.21
	4	4.36	3.68	0.72	1.78	4.56
	5	3.51	2.91	0.76	1.47	2.85
	6	7.47	24.11	0.70	1.34	2.17
8	1	4.51	20.76	0.61	1.82	3.67
	2	3.53	39.46	28.35	1.88	2.96
	3	19.89	7.59	19.33	1.92	3.99
	4	21.14	4.59	6.35	15.55	3.51
	5	9.62	2.84	5.17	51.38	2.77
	6	16.10	29.50	3.92	10.49	2.23
9	1	6.76	8.54	3.08	9.40	2.27
	2	6.38	5.05	2.87	10.83	1.71
	3	7.31	4.20	5.24	14.63	1.58
	4	10.06	6.13	10.08	33.87	1.56
	5	7.90	11.43	6.19	13.50	1.42
	6	18.46	6.59	18.49	6.34	1.90
10	1	8.19	5.54	21.74	9.46	1.76
	2	5.57	7.16	9.04	13.43	7.46
	3	3.74	8.83	5.60	52.11	4.68
	4	2.69	5.88	3.53	9.85	6.69
	5	2.08	4.44	2.55	5.34	8.25
	6	1.71	3.06	2.33	6.53	3.79
11	1	1.40	2.38	3.96	3.98	2.61
	2	1.23	1.99	3.17	2.99	2.14
	3	1.09	1.76	2.16	2.40	1.83
	4	1.06	1.67	1.69	1.99	1.82
	5	0.98	1.41	1.39	1.45	3.25
	6	0.87	1.24	22.10	1.92	2.02
12	1	0.78	1.11	23.12	1.42	1.84
	2	0.74	1.05	4.88	1.27	2.15
	3	0.65	0.99	3.81	1.17	1.88
	4	0.63	0.92	2.51	1.10	1.68
	5	0.57	0.88	2.03	1.05	1.51
	6	0.56	0.84	1.48	1.08	1.41

浦山ダム地点流量データ (3/4)

単位: m³/s

年 月・半旬	1993 (H05)	1994 (H06)	1995 (H07)	1996 (H08)	1997 (H09)	
1	1	1.03	0.72	2.71	0.94	0.47
	2	1.02	0.70	2.63	0.90	0.47
	3	0.93	0.70	2.57	0.90	0.41
	4	1.01	0.76	2.53	0.82	0.38
	5	0.92	0.66	2.53	0.82	0.37
	6	1.26	0.62	2.47	0.82	0.35
2	1	0.99	0.58	2.38	1.10	0.34
	2	1.37	0.56	2.30	0.82	0.35
	3	1.07	0.60	2.32	0.81	0.34
	4	1.34	0.52	2.25	0.79	0.39
	5	1.54	1.49	2.23	0.77	0.34
	6	1.34	0.64	2.22	0.81	0.37
3	1	1.15	0.53	2.30	0.80	0.36
	2	1.05	0.94	2.30	0.74	0.33
	3	0.96	0.96	2.44	0.78	0.32
	4	0.86	0.69	2.75	1.05	0.49
	5	0.80	1.47	2.62	0.83	0.44
	6	0.98	1.20	2.97	0.89	0.58
4	1	1.03	1.10	3.21	0.97	0.55
	2	1.01	1.08	2.85	0.78	1.93
	3	0.89	0.90	2.82	0.69	0.90
	4	0.74	0.73	2.74	1.42	0.65
	5	0.71	0.64	2.62	0.83	0.56
	6	0.72	0.55	2.52	0.71	0.51
5	1	0.94	0.52	2.65	0.79	0.49
	2	0.82	0.43	2.69	1.08	0.48
	3	2.64	0.57	3.98	1.00	0.50
	4	2.03	0.64	4.33	0.75	0.50
	5	1.34	0.50	3.33	0.68	1.36
	6	1.01	1.50	2.97	0.57	2.23
6	1	0.88	0.82	2.79	0.52	1.09
	2	0.94	0.69	3.43	0.52	0.90
	3	0.93	0.71	6.11	0.49	1.01
	4	0.95	0.94	5.71	0.32	3.65
	5	3.57	0.87	4.38	0.40	4.32
	6	2.33	0.72	4.11	1.04	1.99
7	1	6.63	0.58	4.36	0.70	1.27
	2	6.74	0.52	6.21	1.51	1.11
	3	3.94	0.79	4.84	1.73	1.19
	4	4.67	3.72	4.19	2.59	1.12
	5	6.54	2.75	3.89	3.05	0.80
	6	8.95	2.73	3.63	2.87	2.73
8	1	3.93	4.49	3.37	1.12	1.51
	2	3.71	2.37	3.36	1.94	1.23
	3	3.69	1.71	3.09	1.77	1.42
	4	2.98	1.49	3.05	1.59	1.11
	5	2.22	2.76	3.90	1.47	1.41
	6	29.27	1.47	3.29	1.47	1.46
9	1	11.12	1.41	3.12	1.31	1.04
	2	10.44	1.20	3.03	1.53	1.32
	3	8.70	1.99	3.17	2.42	1.59
	4	5.82	26.66	7.68	1.44	4.92
	5	5.09	7.29	5.00	11.62	3.16
	6	4.19	23.45	4.40	2.01	3.83
10	1	3.46	19.81	4.49	0.71	2.13
	2	7.05	10.69	4.43	2.26	1.54
	3	4.69	6.58	4.27	1.92	1.19
	4	3.06	5.01	4.05	0.52	0.98
	5	2.39	5.51	3.97	0.26	0.81
	6	2.02	4.44	3.89	0.52	0.70
11	1	1.66	3.99	3.80	1.68	0.64
	2	1.47	3.31	3.88	1.27	0.58
	3	4.15	2.80	3.80	1.23	0.57
	4	2.28	2.71	3.80	0.96	0.62
	5	2.23	2.81	3.73	0.96	0.59
	6	1.74	2.54	3.72	0.85	1.19
12	1	1.48	2.39	3.71	0.78	0.79
	2	1.35	2.30	3.71	0.76	0.64
	3	1.47	2.30	3.71	0.69	0.48
	4	1.20	2.23	3.70	0.67	0.54
	5	1.18	2.17	3.69	0.55	0.45
	6	1.06	2.23	3.69	0.49	0.44

浦山ダム地点流量データ (4/4)

単位: m³/s

年 月・半旬	1998 (H10)	1999 (H11)	2000 (H12)	2001 (H13)	2002 (H14)	
1	1	0.41	0.62	0.58	0.69	0.66
	2	0.47	0.67	0.69	0.87	0.71
	3	0.55	0.51	0.71	0.71	0.63
	4	0.83	0.43	0.66	0.64	0.66
	5	0.64	0.34	0.54	0.62	1.58
	6	0.48	0.65	0.52	0.82	1.06
2	1	0.48	0.58	0.49	0.62	0.82
	2	0.47	0.48	0.47	0.83	0.93
	3	0.74	0.37	0.49	0.72	0.77
	4	0.86	0.38	0.45	0.66	0.72
	5	1.65	0.45	0.40	0.90	0.72
	6	1.80	0.46	0.43	0.84	0.69
3	1	2.50	0.43	0.45	1.87	0.85
	2	1.67	0.43	0.43	1.38	0.81
	3	2.24	0.43	0.44	0.96	0.68
	4	1.74	0.63	0.39	1.11	0.63
	5	2.00	0.73	0.58	1.32	0.71
	6	1.81	0.73	0.55	1.61	1.06
4	1	2.17	0.68	0.52	1.24	1.00
	2	3.91	0.58	0.56	1.17	0.87
	3	4.14	8.06	0.65	1.02	0.95
	4	4.20	2.22	1.20	0.94	0.76
	5	2.59	5.69	3.37	0.85	1.75
	6	1.92	5.51	1.73	0.85	1.16
5	1	1.43	2.87	1.24	1.61	0.95
	2	1.18	2.23	1.01	1.18	0.88
	3	1.02	1.72	1.25	0.97	1.14
	4	1.40	1.46	1.95	0.81	1.22
	5	1.28	1.14	1.73	3.31	1.61
	6	1.62	1.20	1.32	2.92	1.16
6	1	1.14	0.90	1.09	2.10	1.37
	2	1.57	0.79	1.35	1.98	0.99
	3	2.41	0.66	2.98	2.84	0.85
	4	2.60	0.86	2.18	3.28	0.95
	5	4.14	0.73	2.12	2.27	0.55
	6	2.24	2.73	2.03	1.58	1.10
7	1	1.61	2.64	2.97	1.14	1.41
	2	1.31	2.02	15.55	0.94	0.96
	3	1.20	17.43	4.83	1.03	21.07
	4	1.37	6.65	3.38	1.10	3.83
	5	1.84	5.32	2.30	0.88	2.30
	6	4.95	3.00	2.00	1.11	1.70
8	1	3.59	2.04	1.73	0.78	1.63
	2	3.16	1.88	1.53	0.86	1.18
	3	2.16	37.37	7.12	0.89	1.25
	4	1.29	11.40	5.18	0.83	9.72
	5	1.09	5.86	2.63	21.77	8.83
	6	6.25	4.01	1.63	4.44	3.02
9	1	5.21	2.76	1.52	2.58	1.88
	2	3.19	2.39	1.45	35.55	5.91
	3	1.96	1.85	4.38	48.41	3.99
	4	21.13	1.53	2.38	6.95	2.92
	5	9.22	5.13	2.83	4.76	2.17
	6	9.86	2.81	2.35	3.08	1.94
10	1	13.58	1.90	1.97	2.87	15.35
	2	3.85	1.36	1.51	5.91	4.46
	3	3.05	1.22	1.30	10.22	2.62
	4	5.62	1.19	1.22	3.84	2.01
	5	4.95	1.10	1.74	2.84	2.95
	6	3.73	3.83	1.37	2.13	1.85
11	1	2.27	1.89	1.95	2.14	1.45
	2	1.54	1.50	1.56	2.34	1.19
	3	1.34	1.29	1.28	2.15	1.08
	4	0.85	1.21	1.64	1.68	1.03
	5	0.81	1.07	1.76	1.45	0.95
	6	0.60	0.92	1.32	1.19	1.13
12	1	0.79	0.78	1.14	1.14	0.90
	2	0.50	0.85	1.01	1.01	0.90
	3	0.36	0.73	0.90	0.88	0.77
	4	0.37	0.73	0.85	0.85	0.77
	5	0.50	0.67	0.78	0.76	0.90
	6	0.63	0.63	0.75	0.73	0.71

合角ダム地点流量データ (1/4)

単位: m³/s

年 月・半月		1983 (S58)	1984 (S59)	1985 (S60)	1986 (S61)	1987 (S62)
1	1	0.26	0.21	0.19	0.17	0.24
	2	0.29	0.21	0.16	0.15	0.23
	3	0.23	0.19	0.17	0.14	0.21
	4	0.22	0.18	0.15	0.14	0.25
	5	0.21	0.19	0.15	0.13	0.28
	6	0.19	0.18	0.14	0.12	0.25
2	1	0.22	0.19	0.14	0.11	0.25
	2	0.20	0.19	0.31	0.12	0.25
	3	0.18	0.19	0.36	0.11	0.32
	4	0.18	0.20	0.23	0.13	0.20
	5	0.18	0.19	0.23	0.12	0.24
	6	0.19	0.19	0.18	0.11	0.21
3	1	0.27	0.18	0.34	0.12	0.20
	2	0.21	0.18	0.53	0.13	0.24
	3	0.28	0.18	0.48	0.16	0.28
	4	0.22	0.19	1.11	0.18	0.36
	5	0.35	0.19	1.25	0.18	0.92
	6	0.37	0.24	1.93	0.25	0.51
4	1	1.20	0.38	2.26	0.62	0.34
	2	0.71	0.56	2.35	0.50	0.28
	3	1.09	0.35	5.70	0.34	0.33
	4	2.83	0.68	2.42	0.46	0.30
	5	1.29	1.04	2.97	1.29	0.31
	6	0.65	0.58	1.76	1.39	0.30
5	1	0.50	0.75	1.11	0.79	0.27
	2	0.53	0.55	0.78	1.19	0.23
	3	0.38	0.44	0.72	1.43	0.55
	4	3.34	0.84	0.59	1.63	0.53
	5	0.86	0.57	0.47	1.18	0.47
	6	0.77	0.42	0.68	0.89	0.35
6	1	0.60	0.36	0.43	0.70	0.28
	2	0.47	0.31	0.36	0.61	0.30
	3	0.44	0.28	3.46	0.45	0.31
	4	0.43	0.31	2.84	0.55	0.31
	5	1.01	0.52	4.33	0.43	0.80
	6	0.59	2.07	8.16	0.61	0.47
7	1	0.84	1.20	10.98	0.91	0.74
	2	1.55	0.89	2.08	0.82	0.93
	3	1.41	0.58	1.48	1.06	0.85
	4	1.49	0.58	0.96	1.04	1.58
	5	1.34	0.96	1.19	0.83	1.21
	6	0.93	2.74	0.71	0.72	0.47
8	1	0.84	1.03	0.89	3.05	0.41
	2	0.82	1.10	0.55	2.32	0.36
	3	5.09	1.24	0.47	0.81	0.38
	4	26.48	0.51	0.29	0.62	0.60
	5	2.46	0.33	0.23	0.51	0.39
	6	1.42	0.33	0.44	0.41	0.19
9	1	0.88	0.24	0.45	10.10	0.29
	2	1.33	0.25	0.40	2.06	0.36
	3	1.01	0.29	0.30	1.12	2.12
	4	0.98	0.46	0.30	0.85	2.38
	5	1.60	0.37	0.48	0.62	1.60
	6	12.40	0.28	0.68	0.53	2.82
10	1	4.66	0.23	0.58	0.80	0.95
	2	1.62	0.22	0.43	0.96	0.42
	3	1.38	1.24	0.39	0.77	0.32
	4	1.16	0.79	0.32	0.52	1.19
	5	0.68	1.02	0.28	0.42	0.54
	6	0.69	0.48	0.25	0.37	0.43
11	1	0.51	0.36	0.23	0.35	0.49
	2	0.48	0.30	0.32	0.35	0.74
	3	0.44	0.28	0.24	0.37	0.39
	4	0.37	0.36	0.21	0.25	0.29
	5	0.36	0.35	0.22	0.30	0.26
	6	0.33	0.29	0.21	0.27	0.26
12	1	0.31	0.25	0.19	0.26	0.20
	2	0.29	0.22	0.20	0.25	0.22
	3	0.28	0.36	0.18	0.27	0.24
	4	0.26	0.29	0.17	0.59	0.21
	5	0.23	0.26	0.17	0.31	0.12
	6	0.20	0.22	0.16	0.26	0.10

合角ダム地点流量データ (2/4)

単位: m³/s

年 月・半旬		1988 (S63)	1989 (H01)	1990 (H02)	1991 (H03)	1992 (H04)
1	1	0.13	0.22	0.14	0.50	0.41
	2	0.10	0.15	0.12	0.49	0.40
	3	0.07	0.15	0.14	0.53	0.37
	4	0.07	0.14	0.15	0.58	0.26
	5	0.08	0.19	0.13	0.52	0.18
	6	0.06	0.15	0.15	0.46	0.15
2	1	0.05	0.14	0.20	0.42	0.20
	2	0.06	0.17	0.20	0.37	0.17
	3	0.06	0.16	0.39	0.45	0.14
	4	0.06	0.44	0.29	0.80	0.16
	5	0.06	0.29	0.83	0.42	0.21
	6	0.06	0.87	0.93	0.34	0.21
3	1	0.07	0.80	0.90	0.37	0.36
	2	0.06	0.93	0.70	0.42	0.31
	3	0.14	0.81	0.49	0.51	0.24
	4	0.11	0.68	0.44	0.47	0.39
	5	0.49	0.50	0.42	1.73	0.86
	6	0.44	0.61	0.42	14.58	1.81
4	1	0.38	0.46	0.82	1.93	1.99
	2	0.52	1.45	0.53	2.65	2.39
	3	2.79	1.08	0.52	1.75	1.66
	4	1.66	1.17	1.37	1.34	1.42
	5	1.23	1.28	1.67	0.97	1.48
	6	0.85	1.56	1.06	0.91	1.29
5	1	0.76	1.42	0.61	0.65	1.10
	2	1.11	1.38	0.54	0.51	1.01
	3	0.99	2.04	0.45	0.54	0.83
	4	0.66	1.42	0.42	0.44	0.89
	5	1.78	1.13	0.36	0.41	0.99
	6	1.08	2.67	0.32	0.31	1.43
6	1	1.25	0.95	0.88	0.76	1.31
	2	0.95	0.59	0.34	0.61	1.00
	3	0.83	0.49	0.35	0.57	0.75
	4	1.06	1.54	0.37	0.98	0.70
	5	0.84	1.97	0.27	1.81	3.53
	6	7.07	2.44	0.28	1.42	1.89
7	1	4.75	1.66	0.28	1.08	1.90
	2	1.19	1.80	0.21	1.30	1.34
	3	0.88	2.18	0.28	1.32	1.06
	4	0.99	2.56	0.20	1.50	1.25
	5	1.05	1.64	0.20	1.24	1.03
	6	3.50	6.09	0.23	0.70	0.96
8	1	1.49	3.41	0.15	1.02	1.17
	2	1.01	11.18	3.90	0.82	1.15
	3	2.18	2.11	1.93	1.09	1.50
	4	6.64	2.42	1.04	1.43	0.84
	5	4.44	1.58	0.56	8.53	0.95
	6	7.21	8.10	0.40	4.97	0.77
9	1	1.70	6.97	0.36	4.68	0.66
	2	2.90	3.67	0.38	3.02	0.60
	3	3.08	1.30	0.45	4.44	0.48
	4	5.07	2.88	1.61	9.55	0.44
	5	3.24	2.33	1.13	4.82	0.39
	6	8.22	1.35	3.93	2.97	0.59
10	1	2.86	1.57	4.79	5.36	0.54
	2	1.91	3.83	3.88	5.59	2.69
	3	1.58	4.27	1.98	12.90	1.73
	4	1.24	1.96	1.31	2.92	2.61
	5	0.73	1.13	0.99	1.96	3.53
	6	0.47	0.99	1.16	3.51	1.07
11	1	0.39	0.66	1.14	2.37	0.90
	2	0.34	0.51	1.75	1.38	0.91
	3	0.27	0.33	1.14	0.99	0.77
	4	0.23	0.25	0.62	0.59	0.69
	5	0.20	0.24	0.53	0.53	1.38
	6	0.18	0.21	3.55	0.72	0.87
12	1	0.16	0.19	4.56	0.59	0.32
	2	0.14	0.19	1.49	0.44	0.68
	3	0.25	0.18	1.22	0.48	0.52
	4	0.27	0.17	0.81	0.41	0.52
	5	0.26	0.16	0.46	0.38	0.48
	6	0.22	0.16	0.39	0.39	0.39

合角ダム地点流量データ (3/4)

単位: m³/s

年 月・半旬		1993 (H05)	1994 (H06)	1995 (H07)	1996 (H08)	1997 (H09)
1	1	0.33	0.36	0.32	0.17	0.27
	2	0.41	0.34	0.31	0.16	0.27
	3	0.34	0.35	0.23	0.15	0.23
	4	0.35	0.44	0.21	0.18	0.20
	5	0.37	0.28	0.22	0.16	0.23
	6	0.43	0.28	0.22	0.13	0.20
2	1	0.30	0.27	0.19	0.13	0.18
	2	0.49	0.25	0.19	0.12	0.20
	3	0.36	0.25	0.18	0.13	0.18
	4	0.37	0.28	0.26	0.15	0.20
	5	0.43	0.43	0.24	0.13	0.16
	6	0.36	0.30	0.27	0.17	0.15
3	1	0.35	0.27	0.21	0.17	0.21
	2	0.35	0.68	0.20	0.15	0.19
	3	0.34	0.59	0.20	0.16	0.20
	4	0.30	0.33	0.37	0.37	0.26
	5	0.37	0.46	0.29	0.28	0.25
	6	0.43	0.62	0.44	0.37	0.69
4	1	0.53	0.77	0.52	0.50	0.51
	2	0.62	0.81	0.49	0.29	3.38
	3	0.43	0.87	0.53	0.25	1.05
	4	0.36	0.56	0.53	0.50	0.51
	5	0.48	0.50	0.55	0.38	0.44
	6	0.53	0.42	0.47	0.35	0.37
5	1	0.81	0.39	0.55	0.45	0.34
	2	0.56	0.36	0.48	0.62	0.34
	3	1.50	0.57	0.65	0.67	0.36
	4	1.67	0.83	1.49	0.43	0.45
	5	0.85	0.56	0.75	0.37	1.35
	6	0.58	0.98	0.50	0.29	1.78
6	1	0.50	0.55	0.42	0.27	0.69
	2	0.47	0.45	0.78	0.27	0.60
	3	0.38	0.54	1.46	0.27	2.42
	4	0.38	0.65	1.38	0.26	2.17
	5	1.24	0.67	0.77	0.27	3.67
	6	1.13	0.58	0.72	0.76	1.82
7	1	5.08	0.44	0.92	0.32	0.99
	2	4.09	0.47	2.80	0.63	0.75
	3	1.69	0.61	1.36	0.95	1.13
	4	1.31	0.73	1.10	0.65	0.97
	5	1.52	2.17	0.96	2.71	0.68
	6	3.23	3.44	0.66	0.82	1.22
8	1	1.64	2.02	0.64	0.62	0.99
	2	2.11	1.46	0.53	0.53	0.72
	3	2.65	0.89	0.40	0.55	0.60
	4	2.43	0.54	0.35	0.41	0.40
	5	1.72	2.25	0.49	0.32	0.24
	6	8.47	0.91	0.38	0.45	0.29
9	1	5.53	0.75	0.37	0.37	0.25
	2	4.97	0.63	0.31	0.48	0.28
	3	3.95	0.91	0.37	1.80	0.90
	4	1.89	4.11	4.39	1.24	2.87
	5	1.78	1.31	1.13	7.67	1.27
	6	1.69	5.04	0.81	1.45	1.72
10	1	1.67	7.00	0.87	1.56	0.63
	2	3.57	1.89	0.72	2.07	0.47
	3	2.02	1.08	0.51	1.42	0.53
	4	1.46	0.96	0.45	1.45	0.36
	5	1.20	1.15	0.40	1.03	0.32
	6	0.86	0.78	0.38	0.78	0.30
11	1	0.75	0.60	0.30	0.78	0.27
	2	0.61	0.49	0.40	0.68	0.26
	3	1.55	0.44	0.25	0.61	0.26
	4	1.07	0.40	0.28	0.49	0.29
	5	0.94	0.39	0.27	0.46	0.25
	6	0.72	0.34	0.22	0.34	0.69
12	1	0.66	0.33	0.25	0.33	0.40
	2	0.59	0.31	0.22	0.42	0.28
	3	0.61	0.31	0.24	0.31	0.26
	4	0.46	0.28	0.20	0.36	0.24
	5	0.50	0.27	0.20	0.29	0.22
	6	0.43	0.28	0.18	0.27	0.19

合角ダム地点流量データ (4/4)

単位: m³/s

年 月・半旬		1998 (H10)	1999 (H11)	2000 (H12)	2001 (H13)	2002 (H14)
1	1	0.19	0.13	0.11	0.13	0.14
	2	0.19	0.14	0.13	0.27	0.12
	3	0.22	0.11	0.12	0.16	0.14
	4	0.38	0.12	0.13	0.13	0.14
	5	0.25	0.09	0.10	0.13	0.32
	6	0.20	0.12	0.10	0.25	0.38
2	1	0.19	0.10	0.08	0.19	0.23
	2	0.19	0.09	0.10	0.23	0.26
	3	0.44	0.10	0.09	0.19	0.21
	4	0.45	0.10	0.08	0.15	0.18
	5	0.99	0.08	0.09	0.32	0.16
	6	0.43	0.09	0.08	0.27	0.18
3	1	1.04	0.09	0.07	0.77	0.15
	2	0.73	0.09	0.08	0.59	0.15
	3	0.89	0.08	0.08	0.35	0.11
	4	0.57	0.12	0.09	0.29	0.10
	5	1.41	0.13	0.09	0.26	0.10
	6	1.29	0.13	0.09	0.30	0.17
4	1	1.71	0.11	0.09	0.23	0.14
	2	4.74	0.07	0.09	0.19	0.11
	3	5.44	1.20	0.10	0.17	0.16
	4	4.81	0.26	0.14	0.13	0.10
	5	2.07	1.10	0.44	0.13	0.32
	6	1.39	0.85	0.15	0.15	0.10
5	1	1.22	0.45	0.16	0.48	0.10
	2	0.92	0.41	0.13	0.27	0.10
	3	0.75	0.29	0.12	0.18	0.46
	4	0.76	0.26	0.40	0.18	0.13
	5	0.66	0.18	0.26	1.19	0.14
	6	1.68	0.24	0.16	0.69	0.07
6	1	1.06	0.14	0.15	0.43	0.04
	2	0.91	0.04	0.13	0.29	0.01
	3	1.20	0.11	0.78	0.98	0.10
	4	1.44	0.38	0.35	2.04	0.90
	5	4.13	0.48	0.97	0.77	0.37
	6	1.71	0.34	0.81	0.58	0.47
7	1	0.91	3.18	0.52	0.42	0.61
	2	0.68	0.75	2.79	0.31	2.98
	3	0.62	5.23	0.87	0.29	6.30
	4	0.55	3.64	0.79	0.43	0.89
	5	0.53	3.25	0.51	0.68	0.51
	6	1.16	1.02	0.56	1.44	0.40
8	1	2.61	0.53	0.35	0.52	0.80
	2	2.73	0.41	0.67	0.45	0.43
	3	0.78	17.85	1.05	0.65	0.35
	4	0.59	3.48	0.92	0.44	5.72
	5	0.50	1.63	0.54	6.03	1.90
	6	2.54	1.14	0.35	1.39	1.29
9	1	4.97	0.61	0.29	0.84	0.60
	2	1.90	0.74	0.26	14.97	1.41
	3	1.00	0.43	3.77	14.70	1.06
	4	14.03	0.42	1.62	1.58	0.83
	5	7.05	1.48	1.52	1.19	0.57
	6	7.27	0.80	1.02	0.65	0.51
10	1	4.06	0.49	0.86	0.69	6.21
	2	1.54	0.41	0.49	1.92	1.20
	3	1.00	0.29	0.38	3.24	0.65
	4	3.31	0.25	0.33	1.08	0.29
	5	3.09	0.19	0.51	0.94	1.13
	6	1.27	1.33	0.35	0.57	0.57
11	1	0.66	0.45	0.59	0.55	0.44
	2	0.47	0.30	0.40	0.55	0.39
	3	0.35	0.26	0.28	0.45	0.38
	4	0.29	0.26	0.30	0.34	0.36
	5	0.26	0.24	0.26	0.30	0.33
	6	0.21	0.20	0.22	0.21	0.35
12	1	0.24	0.18	0.21	0.24	0.30
	2	0.25	0.17	0.19	0.22	0.29
	3	0.19	0.14	0.16	0.17	0.23
	4	0.18	0.14	0.16	0.16	0.18
	5	0.15	0.12	0.16	0.16	0.31
	6	0.15	0.13	0.13	0.15	0.21

有間ダム地点流量データ (1/4)

単位: m³/s

年 月・半旬		1983 (S58)	1984 (S59)	1985 (S60)	1986 (S61)	1987 (S62)
1	1	0.20	0.09	0.38	0.28	0.15
	2	0.20	0.09	0.41	0.24	0.14
	3	0.16	0.08	0.44	0.16	0.13
	4	0.21	0.11	0.59	0.21	0.12
	5	0.20	0.10	0.25	0.16	0.13
	6	0.18	0.09	0.45	0.12	0.12
2	1	0.17	0.16	0.22	0.18	0.12
	2	0.15	0.24	0.42	0.13	0.12
	3	0.15	0.19	0.36	0.14	0.15
	4	0.18	0.14	0.26	0.20	0.13
	5	0.17	0.12	0.29	0.18	0.13
	6	0.16	0.15	0.38	0.14	0.09
3	1	0.27	0.20	0.49	0.33	0.10
	2	0.19	0.17	0.56	0.57	0.13
	3	0.37	0.17	0.65	0.67	0.16
	4	0.29	0.19	1.07	0.86	0.18
	5	0.47	0.18	1.05	0.95	0.36
	6	0.43	0.26	1.19	1.04	0.25
4	1	0.94	0.32	1.39	1.66	0.18
	2	0.51	0.45	1.86	1.58	0.16
	3	0.45	0.29	4.45	1.25	0.15
	4	0.64	0.38	2.08	1.27	0.12
	5	0.49	0.39	1.88	3.65	0.11
	6	0.33	0.27	1.08	2.36	0.11
5	1	0.30	0.71	0.57	0.67	0.10
	2	0.32	0.49	0.53	0.79	0.09
	3	0.28	0.40	0.46	1.45	0.19
	4	1.05	0.56	0.40	1.76	0.15
	5	0.54	0.40	0.40	1.78	0.14
	6	0.42	0.36	0.36	1.21	0.10
6	1	0.35	0.32	0.42	0.98	0.11
	2	0.35	0.27	0.40	0.92	0.12
	3	0.35	0.24	1.37	0.64	0.13
	4	0.42	0.26	2.26	0.63	0.25
	5	0.55	0.45	2.71	0.51	0.27
	6	0.38	0.89	4.04	0.70	0.21
7	1	0.48	0.71	10.95	1.94	0.38
	2	1.25	0.74	1.58	1.30	0.45
	3	0.93	0.83	1.21	1.07	0.37
	4	0.80	1.50	1.10	1.06	0.43
	5	0.64	2.92	1.33	2.16	0.40
	6	0.58	0.90	0.66	1.73	0.36
8	1	0.35	0.34	0.36	4.01	0.33
	2	0.31	0.31	0.44	3.20	0.27
	3	1.92	0.63	0.58	1.25	0.51
	4	21.01	0.42	0.38	0.88	0.76
	5	1.98	0.34	0.33	1.21	1.30
	6	0.90	0.26	0.72	0.55	0.80
9	1	0.81	0.36	0.95	9.63	1.25
	2	0.62	0.34	0.66	1.85	2.88
	3	0.62	0.35	0.59	0.76	2.44
	4	0.71	0.49	0.61	0.62	1.75
	5	0.85	0.37	0.87	0.45	1.77
	6	3.58	0.36	1.18	0.41	1.64
10	1	1.83	0.24	1.31	1.07	0.78
	2	1.20	0.21	1.08	0.78	0.55
	3	0.97	1.61	0.88	0.66	0.43
	4	0.88	0.62	0.71	0.64	0.72
	5	0.73	0.63	0.61	0.50	0.50
	6	0.62	0.44	0.53	0.40	0.42
11	1	0.45	0.42	0.53	0.55	0.52
	2	0.50	0.38	0.77	0.53	0.48
	3	0.49	0.36	0.54	0.45	0.38
	4	0.42	0.48	0.48	0.39	0.30
	5	0.42	0.45	0.54	0.35	0.26
	6	0.36	0.36	0.47	0.32	0.26
12	1	0.38	0.32	0.35	0.25	0.22
	2	0.34	0.30	0.39	0.25	0.23
	3	0.33	0.40	0.34	0.31	0.25
	4	0.31	0.36	0.31	0.32	0.21
	5	0.28	0.32	0.30	0.15	0.17
	6	0.26	0.25	0.28	0.18	0.16

有間ダム地点流量データ (2/4)

単位: m³/s

年 月・半月		1988 (S63)	1989 (H01)	1990 (H02)	1991 (H03)	1992 (H04)
1	1	0.36	0.21	0.13	0.11	0.05
	2	0.30	0.21	0.11	0.05	0.08
	3	0.30	0.20	0.11	0.08	0.05
	4	0.27	0.20	0.12	0.10	0.05
	5	0.26	0.23	0.10	0.19	0.05
	6	0.22	0.20	0.09	0.06	0.09
2	1	0.17	0.19	0.19	0.12	0.05
	2	0.20	0.26	0.17	0.15	0.05
	3	0.19	0.22	0.22	0.30	0.04
	4	0.21	0.38	0.25	0.06	0.06
	5	0.18	0.28	0.39	0.04	0.05
	6	0.17	0.55	0.42	0.06	0.05
3	1	0.24	0.38	0.70	0.04	0.38
	2	0.24	0.48	0.47	0.06	0.38
	3	0.28	0.45	0.34	0.06	0.17
	4	0.32	0.39	0.28	0.06	0.55
	5	0.80	0.30	0.25	0.80	0.98
	6	0.58	0.40	0.27	0.84	1.01
4	1	0.54	0.61	0.74	0.84	1.10
	2	0.64	0.97	0.58	1.47	1.17
	3	1.10	1.16	0.55	0.66	1.35
	4	1.10	0.90	1.19	0.43	0.89
	5	0.97	1.32	1.74	0.19	0.67
	6	0.72	1.47	1.17	0.13	0.60
5	1	1.09	0.83	0.81	0.06	0.51
	2	1.12	1.00	0.86	0.06	0.64
	3	1.04	2.20	0.77	0.13	0.50
	4	0.89	1.20	0.65	0.32	0.46
	5	1.49	0.85	0.55	0.33	0.43
	6	1.23	1.48	0.49	0.33	0.43
6	1	1.10	1.22	0.35	0.42	0.42
	2	0.95	0.99	0.33	0.36	0.50
	3	0.82	0.86	0.32	0.27	0.45
	4	0.77	2.79	0.33	0.48	0.69
	5	0.71	2.48	0.29	1.26	2.90
	6	2.63	2.36	0.28	0.66	1.59
7	1	2.09	1.15	0.31	0.73	1.73
	2	1.14	1.10	0.28	1.29	1.28
	3	0.88	0.91	0.32	0.76	1.39
	4	1.54	0.98	0.27	0.54	1.44
	5	1.24	0.77	0.28	0.42	1.24
	6	2.63	6.40	0.26	0.37	1.04
8	1	2.12	4.82	0.03	0.56	1.86
	2	1.66	9.16	1.37	0.68	1.39
	3	9.35	1.76	0.93	0.62	1.84
	4	9.94	1.06	0.31	6.60	1.46
	5	4.52	0.66	0.25	5.26	1.17
	6	7.57	6.85	0.19	2.62	0.97
9	1	1.75	2.04	0.41	2.17	0.82
	2	1.65	1.21	0.39	2.51	0.44
	3	1.89	1.00	0.71	3.01	0.30
	4	2.60	1.47	1.36	6.72	0.29
	5	2.04	2.73	0.83	2.84	0.26
	6	4.78	1.58	2.49	1.77	0.36
10	1	2.78	1.36	6.63	2.22	0.45
	2	1.89	1.76	2.76	3.69	1.96
	3	1.27	2.17	1.71	9.85	1.22
	4	0.91	1.44	1.08	1.75	1.68
	5	0.71	1.09	0.78	1.01	1.66
	6	0.58	0.75	0.71	1.28	0.79
11	1	0.14	0.69	1.45	0.88	0.50
	2	0.12	0.57	1.15	0.74	0.42
	3	0.11	0.51	0.79	0.42	0.34
	4	0.11	0.48	0.62	0.42	0.44
	5	0.10	0.41	0.51	0.42	0.45
	6	0.09	0.36	8.06	0.61	0.31
12	1	0.26	0.22	9.87	0.42	0.29
	2	0.24	0.21	2.08	0.28	0.39
	3	0.21	0.19	1.63	0.23	0.28
	4	0.21	0.18	1.07	0.06	0.24
	5	0.19	0.17	0.86	0.10	0.22
	6	0.18	0.16	0.63	0.16	0.20

有間ダム地点流量データ (3/4)

単位: m³/s

年 月・半旬	1993 (H05)	1994 (H06)	1995 (H07)	1996 (H08)	1997 (H09)	
1	1	0.18	0.17	0.23	0.09	0.16
	2	0.18	0.17	0.17	0.09	0.15
	3	0.16	0.20	0.14	0.08	0.14
	4	0.29	0.21	0.12	0.21	0.13
	5	0.61	0.16	0.12	0.09	0.13
	6	0.63	0.15	0.08	0.09	0.12
2	1	0.42	0.14	0.08	0.08	0.11
	2	0.46	0.13	0.08	0.08	0.12
	3	0.47	0.15	0.13	0.08	0.12
	4	0.47	0.15	0.08	0.10	0.13
	5	0.41	0.43	0.11	0.09	0.10
	6	0.47	0.20	0.15	0.10	0.10
3	1	0.45	0.17	0.16	0.09	0.10
	2	0.38	0.31	0.17	0.09	0.10
	3	0.28	0.26	0.22	0.11	0.14
	4	0.10	0.18	0.42	0.15	0.17
	5	0.07	0.37	0.53	0.10	0.14
	6	0.26	0.06	0.73	0.13	0.17
4	1	0.28	0.05	0.70	0.15	0.16
	2	0.27	0.07	0.47	0.09	0.52
	3	0.15	0.04	0.50	0.08	0.22
	4	0.05	0.05	0.42	0.41	0.18
	5	0.06	0.05	0.34	0.16	0.14
	6	0.13	0.05	0.24	0.11	0.14
5	1	0.19	0.05	0.62	0.18	0.13
	2	0.23	0.05	0.50	0.25	0.13
	3	0.54	0.33	1.41	0.21	0.20
	4	0.34	0.33	1.35	0.14	0.42
	5	0.25	0.25	0.69	0.18	0.91
	6	0.21	0.69	0.55	0.13	0.70
6	1	0.22	0.35	0.39	0.11	0.39
	2	0.24	0.28	1.28	0.23	0.34
	3	0.26	0.29	2.75	0.21	0.44
	4	0.35	0.48	1.65	0.22	1.36
	5	1.82	0.36	0.96	0.21	1.15
	6	0.71	0.32	0.78	0.21	0.60
7	1	1.94	0.26	1.27	0.12	0.40
	2	1.47	0.22	1.83	0.54	0.36
	3	1.02	0.29	1.02	0.52	0.35
	4	1.50	0.64	0.71	0.65	0.43
	5	1.99	0.36	0.57	1.52	0.30
	6	1.76	0.65	0.40	0.61	0.82
8	1	0.94	0.69	0.33	0.41	0.47
	2	1.09	0.39	0.33	0.31	0.35
	3	1.06	0.32	0.25	0.27	0.56
	4	0.77	0.67	0.30	0.24	0.45
	5	0.57	1.24	0.84	0.23	0.66
	6	3.94	0.51	0.31	0.25	0.65
9	1	1.65	0.41	0.25	0.19	0.56
	2	1.96	0.33	0.22	0.35	0.68
	3	1.33	0.51	0.27	0.68	0.98
	4	0.77	5.28	1.43	0.45	1.93
	5	0.74	1.54	0.46	3.73	1.20
	6	0.54	3.21	0.35	0.90	1.43
10	1	0.60	4.57	0.52	0.95	0.86
	2	1.25	2.01	0.45	0.81	0.58
	3	0.78	0.94	0.34	0.72	0.43
	4	0.52	0.62	0.28	0.56	0.35
	5	0.40	0.78	0.24	0.43	0.30
	6	0.34	0.53	0.21	0.36	0.24
11	1	0.28	0.40	0.19	0.43	0.22
	2	0.25	0.34	0.20	0.31	0.20
	3	1.12	0.29	0.17	0.35	0.20
	4	0.54	0.29	0.16	0.28	0.22
	5	0.46	0.32	0.14	0.25	0.20
	6	0.36	0.22	0.13	0.24	0.42
12	1	0.30	0.20	0.12	0.20	0.24
	2	0.32	0.14	0.11	0.20	0.20
	3	0.26	0.16	0.11	0.18	0.16
	4	0.24	0.15	0.10	0.19	0.18
	5	0.21	0.14	0.10	0.16	0.15
	6	0.19	0.17	0.09	0.15	0.15

有間ダム地点流量データ (4/4)

単位: m³/s

年		1998	1999	2000	2001	2002
月・半旬		(H10)	(H11)	(H12)	(H13)	(H14)
1	1	0.14	0.46	0.16	0.18	0.42
	2	0.16	0.47	0.17	0.25	0.42
	3	0.20	0.47	0.19	0.21	0.42
	4	0.41	0.42	0.19	0.17	0.42
	5	0.26	0.22	0.15	0.16	0.80
	6	0.19	0.08	0.15	0.29	0.87
2	1	0.17	0.06	0.14	0.20	0.52
	2	0.19	0.06	0.13	0.21	0.58
	3	0.27	0.12	0.13	0.18	0.60
	4	0.34	0.10	0.12	0.17	0.42
	5	0.58	0.27	0.13	0.26	0.42
	6	0.88	0.06	0.13	0.22	0.42
3	1	1.01	0.06	0.13	0.59	0.77
	2	0.63	0.06	0.11	0.42	0.49
	3	0.73	0.16	0.11	0.29	0.13
	4	0.54	0.26	0.12	0.40	0.05
	5	1.01	0.49	0.14	0.45	0.14
	6	0.83	0.44	0.15	0.63	0.35
4	1	0.95	0.35	0.14	0.47	0.21
	2	1.46	0.57	0.15	0.47	0.28
	3	1.48	2.39	0.18	0.43	0.38
	4	1.50	0.97	0.35	0.37	0.11
	5	1.15	2.08	0.91	0.36	0.65
	6	0.97	1.82	0.38	0.28	0.21
5	1	0.85	1.16	0.26	0.77	0.17
	2	0.87	0.95	0.22	0.58	0.19
	3	0.76	0.85	3.63	0.43	0.30
	4	1.00	0.56	0.43	0.22	0.49
	5	0.96	0.42	0.39	0.99	0.39
	6	1.13	0.43	0.23	0.69	0.28
6	1	0.83	0.32	0.26	0.42	0.25
	2	1.12	0.26	0.30	0.41	0.19
	3	1.65	0.26	0.76	0.68	0.20
	4	1.27	0.33	0.46	0.92	0.27
	5	1.95	0.30	0.51	0.53	0.20
	6	1.04	1.32	0.46	0.39	0.51
7	1	0.67	1.03	0.54	0.37	0.48
	2	0.53	0.80	3.09	0.27	3.91
	3	0.46	5.43	0.98	0.31	7.34
	4	0.51	2.13	0.66	0.31	1.12
	5	1.00	1.76	0.48	0.24	0.71
	6	1.94	0.95	0.41	0.35	0.52
8	1	1.42	0.67	0.37	0.23	0.40
	2	0.97	0.63	0.41	0.26	0.30
	3	0.68	11.30	1.25	0.29	0.28
	4	0.58	3.06	0.78	0.31	3.74
	5	0.60	1.30	0.52	5.88	1.82
	6	4.95	0.81	0.40	1.09	0.92
9	1	2.29	0.58	0.39	0.80	0.73
	2	1.27	0.55	0.35	9.26	2.68
	3	3.17	0.46	0.88	12.64	1.69
	4	5.24	0.45	0.60	1.51	1.19
	5	3.79	1.63	1.16	1.19	0.89
	6	3.17	0.76	0.90	0.75	0.81
10	1	2.88	0.58	0.69	0.90	4.68
	2	1.25	0.45	0.49	1.82	1.19
	3	0.78	0.41	0.42	3.17	0.68
	4	2.33	0.36	0.38	1.13	0.56
	5	1.68	0.30	0.64	0.79	0.81
	6	1.05	1.33	0.49	0.56	0.47
11	1	1.28	0.62	0.73	0.52	0.37
	2	0.92	0.45	0.56	0.58	0.31
	3	0.90	0.39	0.42	0.54	0.27
	4	0.99	0.34	0.52	0.40	0.25
	5	0.90	0.31	0.54	0.44	0.29
	6	0.90	0.26	0.39	0.52	0.26
12	1	0.97	0.23	0.32	1.21	0.19
	2	0.92	0.22	0.28	0.58	0.25
	3	0.51	0.20	0.25	0.40	0.29
	4	0.47	0.19	0.23	0.42	0.31
	5	0.47	0.16	0.22	0.42	0.50
	6	0.47	0.16	0.19	0.42	0.35

平沢地点流量データ (1/4)

単位: m³/s

年	1983 (S58)	1984 (S59)	1985 (S60)	1986 (S61)	1987 (S62)
1	0.83	0.81	1.02	1.15	0.76
2	0.84	0.83	1.09	0.97	0.65
3	0.68	0.79	1.17	0.66	0.66
4	0.85	1.06	1.56	0.87	0.68
5	0.82	0.88	0.65	0.64	1.00
6	0.75	0.84	1.19	0.50	0.75
1	0.75	0.68	0.74	0.83	0.69
2	0.67	1.04	1.43	0.57	0.51
3	0.64	0.82	1.25	0.65	0.76
4	0.77	0.61	0.90	0.90	0.76
5	0.72	0.51	1.00	0.82	0.73
6	0.68	0.62	1.31	0.65	0.59
1	0.97	0.59	1.96	0.51	0.43
2	0.68	0.49	2.28	0.89	0.43
3	1.32	0.50	2.62	1.04	0.62
4	1.05	0.57	4.33	1.33	0.84
5	1.67	0.52	4.25	1.48	1.84
6	1.54	0.77	4.83	1.61	1.36
1	4.05	1.29	5.21	3.98	0.87
2	2.19	1.82	6.95	3.78	0.76
3	1.95	1.19	16.63	3.00	0.72
4	2.77	1.55	7.77	3.04	0.66
5	2.13	1.59	7.05	8.74	0.75
6	1.40	1.09	4.04	5.67	0.76
1	1.34	1.70	2.59	2.55	0.70
2	1.44	1.15	2.39	2.98	0.73
3	1.26	0.95	2.09	5.49	1.03
4	4.76	1.33	1.79	6.68	0.75
5	2.43	0.95	1.82	6.73	0.77
6	1.92	0.83	1.64	4.56	1.12
1	1.56	0.79	1.32	3.55	0.64
2	1.56	0.67	1.24	3.33	0.87
3	1.54	0.61	4.29	2.32	0.99
4	1.84	0.65	7.05	2.28	1.19
5	2.41	1.11	8.47	1.84	1.89
6	1.66	2.19	12.60	2.55	1.26
1	1.72	2.22	39.11	5.90	1.59
2	4.49	2.32	5.65	3.97	1.84
3	3.33	2.60	4.32	3.28	1.63
4	2.90	4.71	3.94	3.22	2.11
5	2.29	9.22	4.77	6.60	2.28
6	2.09	2.83	2.36	5.27	1.88
1	1.94	1.84	1.79	13.74	1.56
2	1.76	1.67	2.15	10.98	1.35
3	10.74	3.40	2.89	4.27	2.04
4	117.67	2.22	1.88	3.01	2.19
5	11.12	1.84	1.61	4.15	2.33
6	5.05	1.37	3.58	1.87	1.80
1	3.80	1.19	3.11	46.71	1.94
2	2.93	1.14	2.15	8.95	8.45
3	2.93	1.17	1.93	3.67	10.34
4	3.33	1.65	1.99	3.00	9.57
5	3.98	1.25	2.83	2.17	7.43
6	16.86	1.19	3.85	1.99	7.75
1	6.03	1.13	3.98	3.67	4.11
2	3.95	1.00	3.28	2.68	3.19
3	3.20	7.57	2.68	2.25	2.45
4	2.90	2.88	2.16	2.18	3.83
5	2.41	2.97	1.86	1.71	2.38
6	2.04	2.06	1.62	1.35	2.17
1	1.77	1.71	1.49	1.14	2.08
2	1.99	1.54	2.17	1.11	2.22
3	1.95	1.46	1.51	0.92	1.85
4	1.67	1.95	1.35	0.81	1.71
5	1.65	1.81	1.52	0.73	1.58
6	1.43	1.46	1.34	0.66	1.39
1	1.34	1.27	1.19	1.00	1.11
2	1.20	1.14	1.29	1.02	1.13
3	1.18	1.58	1.14	1.28	1.37
4	1.09	1.41	1.03	1.29	1.20
5	0.99	1.25	1.00	0.59	1.19
6	0.92	0.98	0.95	0.73	1.19

平沢地点流量データ (2/4)

単位 : m³/s

年		1988	1989	1990	1991	1992
月・半旬		(S63)	(H01)	(H02)	(H03)	(H04)
1	1	1.62	0.80	0.81	2.01	2.39
	2	1.36	0.80	0.74	1.80	2.41
	3	1.36	0.79	0.74	1.66	2.33
	4	1.22	0.77	0.75	1.44	2.28
	5	1.15	0.90	0.64	1.42	2.17
	6	0.97	0.76	0.59	1.27	2.18
2	1	0.96	0.69	0.68	1.22	2.31
	2	1.15	0.96	0.62	1.11	2.17
	3	1.10	0.84	0.77	1.28	2.17
	4	1.19	1.43	0.91	1.98	2.17
	5	1.04	1.06	1.41	1.28	2.22
	6	0.97	2.04	1.50	1.35	2.38
3	1	1.09	1.95	3.07	1.25	3.16
	2	1.10	2.49	2.03	1.22	3.71
	3	1.24	2.34	1.50	1.31	3.67
	4	1.43	2.03	1.22	1.13	2.86
	5	3.58	1.55	1.10	3.16	4.35
	6	2.60	2.06	1.19	16.84	5.49
4	1	2.37	1.96	1.82	2.93	5.69
	2	2.82	3.13	1.43	5.53	5.93
	3	4.82	3.74	1.35	3.81	6.41
	4	4.82	2.90	2.95	2.54	4.62
	5	4.23	4.25	4.29	2.04	3.65
	6	3.16	4.76	2.89	1.93	3.26
5	1	2.67	3.11	2.17	1.98	3.41
	2	2.76	3.75	2.32	1.81	3.16
	3	2.56	8.29	2.07	2.40	2.97
	4	2.19	4.49	1.76	1.27	2.86
	5	3.67	3.18	1.49	1.19	2.73
	6	3.01	5.56	1.32	1.17	3.56
6	1	3.23	3.19	1.19	1.81	3.63
	2	2.78	2.59	1.09	1.37	3.23
	3	2.43	2.25	1.06	1.27	2.86
	4	2.26	7.30	1.10	1.65	3.62
	5	2.09	6.49	0.96	3.37	13.91
	6	7.73	6.18	0.95	2.71	6.11
7	1	6.85	5.00	0.97	2.23	6.01
	2	3.73	4.79	0.85	2.58	3.62
	3	2.88	3.95	1.00	2.17	3.71
	4	5.04	4.25	0.83	2.06	5.27
	5	4.05	3.36	0.88	1.70	3.29
	6	8.63	27.85	0.81	1.55	2.51
8	1	5.21	23.98	0.70	2.10	4.24
	2	4.08	45.58	32.74	2.17	3.42
	3	22.97	8.77	22.33	2.22	4.61
	4	24.42	5.30	7.33	17.96	4.05
	5	11.11	3.28	5.97	59.34	3.20
	6	18.60	34.07	4.53	12.12	2.58
9	1	7.81	9.86	3.56	10.86	2.62
	2	7.37	5.83	3.31	12.51	1.98
	3	8.44	4.85	6.05	16.90	1.82
	4	11.62	7.08	11.64	39.12	1.80
	5	9.12	13.20	7.15	15.59	1.64
	6	21.32	7.61	21.36	7.32	2.19
10	1	9.46	6.40	25.11	10.93	2.03
	2	6.43	8.27	10.44	15.51	8.62
	3	4.32	10.20	6.47	60.19	5.41
	4	3.11	6.79	4.08	11.38	7.73
	5	2.40	5.13	2.95	6.17	9.53
	6	1.98	3.53	2.69	7.54	4.38
11	1	1.62	2.75	4.57	4.60	3.01
	2	1.42	2.30	3.66	3.45	2.47
	3	1.26	2.03	2.49	2.77	2.11
	4	1.22	1.93	1.95	2.30	2.10
	5	1.13	1.63	1.61	1.67	3.75
	6	1.00	1.43	25.53	2.22	2.33
12	1	0.90	1.28	26.70	1.64	2.13
	2	0.85	1.21	5.64	1.47	2.48
	3	0.75	1.14	4.40	1.35	2.17
	4	0.73	1.06	2.90	1.27	1.94
	5	0.66	1.02	2.34	1.21	1.74
	6	0.65	0.97	1.71	1.25	1.63

平沢地点流量データ (3/4)

単位: m³/s

年 月・半旬	1993 (H05)	1994 (H06)	1995 (H07)	1996 (H08)	1997 (H09)	
1	1	1.19	0.83	3.13	1.10	0.54
	2	1.18	0.81	3.04	1.05	0.54
	3	1.07	0.81	2.97	1.05	0.47
	4	1.17	0.88	2.92	0.95	0.44
	5	1.06	0.76	2.92	0.95	0.43
	6	1.46	0.72	2.85	0.95	0.40
2	1	1.14	0.67	2.75	1.28	0.39
	2	1.58	0.65	2.66	0.95	0.40
	3	1.24	0.69	2.68	0.94	0.39
	4	1.55	0.60	2.60	0.91	0.45
	5	1.78	1.72	2.58	0.90	0.39
	6	1.55	0.74	2.56	0.94	0.43
3	1	1.33	0.61	2.66	0.92	0.42
	2	1.21	1.09	2.66	0.87	0.38
	3	1.11	1.11	2.82	0.91	0.37
	4	0.99	0.80	3.18	1.22	0.57
	5	0.92	1.70	3.03	0.97	0.51
	6	1.13	1.39	3.43	1.04	0.67
4	1	1.19	1.27	3.71	1.13	0.64
	2	1.17	1.25	3.29	0.90	2.23
	3	1.03	1.04	3.26	0.81	1.04
	4	0.85	0.84	3.16	1.64	0.75
	5	0.82	0.74	3.03	0.97	0.65
	6	0.83	0.64	2.91	0.82	0.59
5	1	1.09	0.60	3.06	0.92	0.57
	2	0.95	0.50	3.11	1.25	0.55
	3	3.05	0.66	4.60	1.17	0.58
	4	2.34	0.74	5.00	0.88	0.58
	5	1.55	0.58	3.85	0.79	1.57
	6	1.17	1.73	3.43	0.67	2.58
6	1	1.02	0.95	3.22	0.61	1.26
	2	1.09	0.80	3.96	0.61	1.04
	3	1.07	0.82	7.06	0.58	1.17
	4	1.10	1.09	6.60	0.37	4.22
	5	4.12	1.00	5.06	0.47	4.99
	6	2.69	0.83	4.75	1.20	2.30
7	1	7.66	0.67	5.04	0.81	1.47
	2	7.78	0.60	7.17	1.74	1.28
	3	4.55	0.91	5.59	2.01	1.37
	4	5.39	4.30	4.84	3.00	1.29
	5	7.55	3.18	4.49	3.52	0.92
	6	10.34	3.15	4.19	3.33	3.15
8	1	4.54	5.19	3.89	1.29	1.74
	2	4.29	2.74	3.88	2.24	1.42
	3	4.26	1.98	3.57	2.06	1.64
	4	3.44	1.72	3.52	1.84	1.28
	5	2.56	3.19	4.50	1.71	1.63
	6	33.81	1.70	3.80	1.70	1.69
9	1	12.84	1.63	3.60	1.51	1.20
	2	12.06	1.39	3.50	1.77	1.52
	3	10.05	2.30	3.66	2.80	1.84
	4	6.72	30.79	8.87	1.66	5.68
	5	5.88	8.42	5.77	13.42	3.65
	6	4.84	27.08	5.08	2.32	4.42
10	1	4.00	22.88	5.19	0.82	2.46
	2	8.14	12.35	5.12	2.62	1.78
	3	5.42	7.60	4.93	2.23	1.37
	4	3.53	5.79	4.68	0.61	1.13
	5	2.76	6.36	4.59	0.31	0.94
	6	2.33	5.13	4.49	0.60	0.81
11	1	1.92	4.61	4.39	1.94	0.74
	2	1.70	3.82	4.48	1.47	0.87
	3	4.79	3.23	4.39	1.42	0.66
	4	2.63	3.13	4.39	1.11	0.72
	5	2.58	3.25	4.31	1.11	0.68
	6	2.01	2.93	4.30	0.98	1.37
12	1	1.71	2.76	4.29	0.90	0.91
	2	1.56	2.66	4.29	0.88	0.74
	3	1.70	2.66	4.29	0.80	0.55
	4	1.39	2.58	4.27	0.77	0.62
	5	1.36	2.51	4.26	0.64	0.52
	6	1.22	2.58	4.26	0.57	0.51

平沢地点流量データ (4/4)

単位: m³/s

年		1998 (H10)	1999 (H11)	2000 (H12)	2001 (H13)	2002 (H14)
月・半旬						
1	1	0.47	0.71	0.67	0.80	0.76
	2	0.54	0.77	0.80	1.00	0.82
	3	0.63	0.59	0.82	0.82	0.73
	4	0.96	0.49	0.76	0.74	0.76
	5	0.74	0.39	0.62	0.71	1.83
	6	0.55	0.75	0.60	0.95	1.22
2	1	0.55	0.67	0.56	0.71	0.95
	2	0.54	0.55	0.54	0.96	1.07
	3	0.85	0.42	0.56	0.83	0.89
	4	0.99	0.44	0.52	0.76	0.83
	5	1.91	0.52	0.46	1.04	0.83
	6	2.08	0.53	0.49	0.97	0.80
3	1	2.90	0.49	0.52	2.16	0.98
	2	1.93	0.49	0.49	1.60	0.93
	3	2.59	0.49	0.51	1.11	0.78
	4	2.01	0.73	0.45	1.28	0.73
	5	2.32	0.84	0.67	1.53	0.82
	6	2.09	0.84	0.63	1.86	1.22
4	1	2.51	0.78	0.60	1.43	1.16
	2	4.53	0.67	0.64	1.35	1.00
	3	4.80	9.34	0.75	1.18	1.10
	4	4.87	2.57	1.39	1.09	0.88
	5	3.00	6.60	3.90	0.98	2.03
	6	2.22	6.39	2.00	0.98	1.34
5	1	1.65	3.32	1.43	1.86	1.10
	2	1.36	2.58	1.17	1.36	1.02
	3	1.18	1.99	1.45	1.12	1.32
	4	1.62	1.69	2.26	0.93	1.41
	5	1.48	1.32	2.00	3.83	1.86
	6	1.87	1.39	1.53	3.38	1.34
6	1	1.32	1.04	1.26	2.43	1.58
	2	1.82	0.91	1.56	2.29	1.14
	3	2.79	0.76	3.45	3.29	0.98
	4	3.01	0.99	2.52	3.80	1.10
	5	4.80	0.84	2.45	2.63	0.63
	6	2.59	3.16	2.35	1.83	1.27
7	1	1.86	3.06	3.44	1.32	1.63
	2	1.51	2.34	18.03	1.09	1.11
	3	1.39	20.21	5.60	1.19	24.44
	4	1.58	7.71	3.92	1.27	4.44
	5	2.13	6.17	2.66	1.02	2.66
	6	5.74	3.48	2.32	1.28	1.97
8	1	4.16	2.36	2.00	0.90	1.89
	2	3.66	2.18	1.77	0.99	1.36
	3	2.50	43.34	8.25	1.03	1.45
	4	1.49	13.22	6.00	0.96	11.27
	5	1.26	6.79	3.05	25.25	10.24
	6	7.25	4.65	1.89	5.15	3.50
9	1	6.04	3.20	1.76	2.99	2.18
	2	3.70	2.77	1.68	41.23	6.85
	3	2.27	2.14	5.08	56.15	4.62
	4	24.51	1.77	2.76	8.06	3.38
	5	10.69	5.95	3.28	5.52	2.51
	6	11.43	3.25	2.72	3.57	2.25
10	1	15.75	2.20	2.28	3.32	17.80
	2	4.46	1.57	1.75	6.85	5.17
	3	3.53	1.41	1.50	11.85	3.03
	4	6.51	1.38	1.41	4.45	2.33
	5	5.74	1.27	2.01	3.29	3.42
	6	4.32	4.44	1.58	2.47	2.14
11	1	2.63	2.19	2.26	2.48	1.68
	2	1.78	1.74	1.80	2.71	1.98
	3	1.55	1.49	1.48	2.49	1.25
	4	0.98	1.40	1.90	1.94	1.19
	5	0.93	1.24	2.04	1.68	1.10
	6	0.69	1.06	1.53	1.38	1.31
12	1	0.91	0.90	1.32	1.32	1.04
	2	0.58	0.98	1.17	1.17	1.04
	3	0.41	0.84	1.04	1.02	0.89
	4	0.42	0.84	0.98	0.98	0.89
	5	0.58	0.77	0.90	0.88	1.04
	6	0.73	0.73	0.87	0.84	0.82

皆野橋地点流量データ (1/4)

単位: m³/s

年		1983 (S58)	1984 (S59)	1985 (S60)	1986 (S61)	1987 (S62)
月・半旬						
1	1	2.01	1.63	1.47	1.32	1.86
	2	2.24	1.63	1.24	1.16	1.78
	3	1.78	1.47	1.32	1.08	1.63
	4	1.70	1.39	1.16	1.08	1.93
	5	1.63	1.47	1.16	1.01	2.17
	6	1.47	1.39	1.08	0.93	1.93
2	1	1.70	1.47	1.08	0.85	1.93
	2	1.55	1.47	2.40	0.93	1.93
	3	1.39	1.47	2.79	0.85	2.48
	4	1.39	1.55	1.78	1.01	1.55
	5	1.39	1.47	1.78	0.93	1.86
	6	1.47	1.47	1.39	0.85	1.63
3	1	2.09	1.39	2.63	0.93	1.55
	2	1.63	1.39	4.10	1.01	1.86
	3	2.17	1.39	3.71	1.24	2.17
	4	1.70	1.47	8.59	1.39	2.79
	5	2.71	1.47	9.67	1.39	7.12
	6	2.86	1.86	14.93	1.93	3.95
4	1	9.28	2.94	17.48	4.80	2.63
	2	5.49	4.33	18.18	3.87	2.17
	3	8.43	2.71	44.09	2.63	2.55
	4	21.89	5.26	18.72	3.56	2.32
	5	9.98	8.05	22.98	9.98	2.40
	6	5.03	4.49	13.62	10.75	2.32
5	1	3.87	5.80	8.59	6.11	2.09
	2	4.10	4.26	6.03	9.21	1.78
	3	2.94	3.40	5.57	11.06	4.26
	4	25.84	6.50	4.56	12.61	4.10
	5	6.65	4.41	3.64	9.13	3.64
	6	5.96	3.25	5.26	6.89	2.71
6	1	4.64	2.79	3.33	5.42	2.17
	2	3.64	2.40	2.79	4.72	2.32
	3	3.40	2.17	26.77	3.48	2.40
	4	3.33	2.40	21.97	4.26	2.40
	5	7.81	4.02	33.50	3.33	6.19
	6	4.56	16.01	63.12	4.72	3.64
7	1	6.50	9.28	84.94	7.04	5.73
	2	11.99	6.89	16.09	6.34	7.19
	3	10.91	4.49	11.45	8.20	6.58
	4	11.53	4.49	7.43	8.05	12.22
	5	10.37	7.43	9.21	6.42	9.36
	6	7.19	21.20	5.49	5.57	3.64
8	1	6.50	7.97	6.89	23.59	3.17
	2	6.34	8.51	4.26	17.95	2.79
	3	39.38	9.59	3.64	6.27	2.94
	4	204.85	3.95	2.24	4.80	4.64
	5	19.03	2.55	1.78	3.95	3.02
	6	10.99	2.55	3.40	3.17	1.47
9	1	6.81	1.86	3.48	78.13	2.24
	2	10.29	1.93	3.09	15.94	2.79
	3	7.81	2.24	2.32	8.66	16.40
	4	7.58	3.56	2.32	6.58	18.41
	5	12.38	2.86	3.71	4.80	12.38
	6	95.92	2.17	5.26	4.10	21.82
10	1	36.05	1.78	4.49	6.19	7.35
	2	12.53	1.70	3.33	7.43	3.25
	3	10.68	9.59	3.02	5.96	2.48
	4	8.97	6.11	2.48	4.02	9.21
	5	5.26	7.89	2.17	3.25	4.18
	6	5.34	3.71	1.93	2.86	3.33
11	1	3.95	2.79	1.78	2.71	3.79
	2	3.71	2.32	2.48	2.71	5.73
	3	3.40	2.17	1.86	2.86	3.02
	4	2.86	2.79	1.63	1.93	2.24
	5	2.79	2.71	1.70	2.32	2.01
	6	2.55	2.24	1.63	2.09	2.01
12	1	2.40	1.93	1.47	2.01	1.55
	2	2.24	1.70	1.55	1.93	1.70
	3	2.17	2.79	1.39	2.09	1.86
	4	2.01	2.24	1.32	4.56	1.63
	5	1.78	2.01	1.32	2.40	0.93
	6	1.55	1.70	1.24	2.01	0.77

皆野橋地点流量データ (2/4)

単位: m³/s

年 月・半旬	1988 (S63)	1989 (H01)	1990 (H02)	1991 (H03)	1992 (H04)	
1	1	1.01	1.70	1.08	3.87	3.17
	2	0.77	1.16	0.93	3.79	3.09
	3	0.54	1.16	1.08	4.10	2.86
	4	0.54	1.08	1.16	4.49	2.01
	5	0.62	1.47	1.01	4.02	1.39
	6	0.46	1.16	1.16	3.56	1.16
2	1	0.39	1.08	1.55	3.25	1.55
	2	0.46	1.32	1.55	2.86	1.32
	3	0.46	1.24	3.02	3.48	1.08
	4	0.46	3.40	2.24	6.19	1.24
	5	0.46	2.24	6.42	3.25	1.63
	6	0.46	6.73	7.19	2.63	1.63
3	1	0.54	6.19	6.96	2.86	2.79
	2	0.46	7.19	5.42	3.25	2.40
	3	1.08	6.27	3.79	3.95	1.86
	4	0.85	5.26	3.40	3.64	3.02
	5	3.79	3.87	3.25	13.38	6.65
	6	3.40	4.72	3.25	112.79	14.00
4	1	2.94	3.56	6.34	14.93	15.39
	2	4.02	11.22	4.10	20.50	18.49
	3	21.58	8.36	4.02	13.54	12.84
	4	12.84	9.05	10.60	10.37	10.99
	5	9.52	9.90	12.92	7.50	11.45
	6	6.58	12.07	8.20	7.04	9.98
5	1	5.88	10.99	4.72	5.03	8.51
	2	8.59	10.68	4.18	3.95	7.81
	3	7.66	15.78	3.48	4.18	6.42
	4	5.11	10.99	3.25	3.40	6.89
	5	13.77	8.74	2.79	3.17	7.66
	6	8.36	20.66	2.48	2.40	11.06
6	1	9.67	7.35	2.94	5.88	10.13
	2	7.35	4.56	2.63	4.72	7.74
	3	6.42	3.79	2.71	4.41	5.80
	4	8.20	11.91	2.86	7.58	5.42
	5	6.50	15.24	2.09	14.00	27.31
	6	54.69	18.88	2.17	10.99	14.62
7	1	36.75	12.84	2.17	8.36	14.70
	2	9.21	13.92	1.63	10.06	10.37
	3	6.81	16.86	2.17	10.21	8.20
	4	7.66	19.80	1.55	11.60	9.67
	5	8.12	12.69	1.55	9.59	7.97
	6	27.08	47.11	1.78	5.42	7.43
8	1	11.53	26.38	1.16	7.89	9.05
	2	7.81	86.49	30.17	6.34	8.90
	3	16.86	16.32	14.93	8.43	11.60
	4	51.37	18.72	8.05	11.06	6.50
	5	34.35	12.22	4.33	65.99	7.35
	6	55.78	62.66	3.09	38.45	5.96
9	1	13.15	53.92	2.79	36.20	5.11
	2	22.43	28.39	2.94	23.36	4.64
	3	23.83	10.06	3.48	34.35	3.71
	4	39.22	22.28	12.46	73.88	3.40
	5	25.06	18.02	8.74	37.29	3.02
	6	63.59	10.44	30.40	22.98	4.56
10	1	22.12	12.15	37.06	41.46	4.18
	2	14.78	29.63	30.02	43.24	20.81
	3	12.22	33.03	15.32	99.79	13.38
	4	9.59	15.16	10.13	22.59	20.19
	5	5.65	8.74	7.66	15.16	27.31
	6	3.64	7.66	8.97	27.15	8.28
11	1	3.02	5.11	8.82	18.33	6.96
	2	2.63	3.95	13.54	10.68	7.04
	3	2.09	2.55	8.82	7.66	5.96
	4	1.78	1.93	4.80	4.56	5.34
	5	1.55	1.86	4.10	4.10	10.68
	6	1.39	1.63	27.46	5.57	6.73
12	1	1.24	1.47	35.28	4.56	2.48
	2	1.08	1.47	11.53	3.40	5.26
	3	1.93	1.39	9.44	3.71	4.02
	4	2.09	1.32	6.27	3.17	4.02
	5	2.01	1.24	3.56	2.94	3.71
	6	1.70	1.24	3.02	3.02	3.02

皆野橋地点流量データ (3/4)

単位: m³/s

年		1993 (H05)	1994 (H06)	1995 (H07)	1996 (H08)	1997 (H09)
月・半旬						
1	1	2.55	2.79	2.48	1.32	2.09
	2	3.17	2.63	2.40	1.24	2.09
	3	2.63	2.71	1.78	1.16	1.78
	4	2.71	3.40	1.63	1.39	1.55
	5	2.86	2.17	1.70	1.24	1.78
	6	3.33	2.17	1.70	1.01	1.55
2	1	2.32	2.09	1.47	1.01	1.39
	2	3.79	1.93	1.47	0.93	1.55
	3	2.79	1.93	1.39	1.01	1.39
	4	2.86	2.17	2.01	1.16	1.55
	5	3.33	3.33	1.86	1.01	1.24
	6	2.79	2.32	2.09	1.32	1.16
3	1	2.71	2.09	1.63	1.32	1.63
	2	2.71	5.26	1.55	1.16	1.47
	3	2.63	4.56	1.55	1.24	1.55
	4	2.32	2.55	2.86	2.86	2.01
	5	2.86	3.56	2.24	2.17	1.93
	6	3.33	4.80	3.40	2.86	5.34
4	1	4.10	5.96	4.02	3.87	3.95
	2	4.80	6.27	3.79	2.24	26.15
	3	3.33	6.73	4.10	1.93	8.12
	4	2.79	4.33	4.10	3.87	3.95
	5	3.71	3.87	4.26	2.94	3.40
	6	4.10	3.25	3.64	2.71	2.86
5	1	6.27	3.02	4.26	3.48	2.63
	2	4.33	2.79	3.71	4.80	2.63
	3	11.60	4.41	5.03	5.18	2.79
	4	12.92	6.42	11.53	3.33	3.48
	5	6.58	4.33	5.80	2.86	10.44
	6	4.49	7.58	3.87	2.24	13.77
6	1	3.87	4.26	3.25	2.09	5.34
	2	3.64	3.48	6.03	2.09	4.64
	3	2.94	4.18	11.29	2.09	18.72
	4	2.94	5.03	10.68	2.01	16.79
	5	9.59	5.18	5.96	2.09	28.39
	6	8.74	4.49	5.57	5.88	14.08
7	1	39.30	3.40	7.12	2.48	7.66
	2	31.64	3.64	21.66	4.87	5.80
	3	13.07	4.72	10.52	7.35	8.74
	4	10.13	5.65	8.51	5.03	7.50
	5	11.76	16.79	7.43	20.96	5.26
	6	24.99	26.61	5.11	6.34	9.44
8	1	12.69	15.63	4.95	4.80	7.66
	2	16.32	11.29	4.10	4.10	5.57
	3	20.50	6.89	3.09	4.26	4.64
	4	18.80	4.18	2.71	3.17	3.09
	5	13.31	17.41	3.79	2.48	1.86
	6	65.52	7.04	2.94	3.48	2.24
9	1	42.78	5.80	2.86	2.86	1.93
	2	38.45	4.87	2.40	3.71	2.17
	3	30.56	7.04	2.86	13.92	6.96
	4	14.62	31.79	33.96	9.59	22.20
	5	13.77	10.13	8.74	59.33	9.82
	6	13.07	38.99	6.27	11.22	13.31
10	1	12.92	54.15	6.73	12.07	4.87
	2	27.62	14.62	5.57	16.01	3.64
	3	15.63	8.36	3.95	10.99	4.10
	4	11.29	7.43	3.48	11.22	2.79
	5	9.28	8.90	3.09	7.97	2.48
	6	6.65	6.03	2.94	6.03	2.32
11	1	5.80	4.64	2.32	6.03	2.09
	2	4.72	3.79	3.09	5.26	2.01
	3	11.99	3.40	1.93	4.72	2.01
	4	8.28	3.09	2.17	3.79	2.24
	5	7.27	3.02	2.09	3.56	1.93
	6	5.57	2.63	1.70	2.63	5.34
12	1	5.11	2.55	1.93	2.55	3.09
	2	4.56	2.40	1.70	3.25	2.17
	3	4.72	2.40	1.86	2.40	2.01
	4	3.56	2.17	1.55	2.79	1.86
	5	3.87	2.09	1.55	2.24	1.70
	6	3.33	2.17	1.39	2.09	1.47

皆野橋地点流量データ (4/4)

単位: m³/s

年 月・半旬	1998 (H10)	1999 (H11)	2000 (H12)	2001 (H13)	2002 (H14)	
1	1	1.47	1.01	0.85	1.30	2.51
	2	1.47	1.08	1.01	1.81	2.43
	3	1.70	0.85	0.93	1.94	2.21
	4	2.94	0.93	1.01	1.90	2.21
	5	1.93	0.70	0.77	1.40	5.45
	6	1.55	0.93	0.77	3.92	6.30
2	1	1.47	0.77	0.62	2.72	3.98
	2	1.47	0.70	0.77	3.64	5.46
	3	3.40	0.77	0.70	2.61	3.21
	4	3.48	0.77	0.62	2.00	2.72
	5	7.66	0.62	0.70	3.66	2.68
	6	3.33	0.70	0.62	3.24	2.70
3	1	8.05	0.70	0.54	10.28	2.67
	2	5.65	0.70	0.62	5.79	2.60
	3	6.89	0.62	0.62	2.98	2.40
	4	4.41	0.93	0.70	2.40	2.39
	5	10.91	1.01	0.70	2.28	2.39
	6	9.98	1.01	0.70	3.13	3.02
4	1	13.23	0.85	0.70	2.62	2.76
	2	36.67	0.54	0.70	2.17	2.60
	3	42.08	9.28	0.77	1.95	3.03
	4	37.21	2.01	1.08	1.71	2.53
	5	16.01	8.51	3.40	1.68	5.34
	6	10.75	6.58	1.16	1.89	2.95
5	1	9.44	3.48	1.24	6.09	2.63
	2	7.12	3.17	1.01	3.10	2.40
	3	5.80	2.24	0.93	2.15	4.16
	4	5.88	2.01	3.09	1.81	3.86
	5	5.11	1.39	2.01	16.76	3.46
	6	13.00	1.86	1.24	8.22	2.92
6	1	8.20	1.08	1.16	4.22	2.28
	2	7.04	0.31	1.01	4.21	2.54
	3	9.28	0.85	6.03	12.84	2.67
	4	11.14	2.94	2.71	19.07	9.72
	5	31.95	3.71	7.50	8.44	2.76
	6	13.23	2.63	6.27	6.79	3.81
7	1	7.04	24.60	4.02	4.66	5.11
	2	5.26	5.80	21.58	2.83	28.42
	3	4.80	40.46	6.73	2.70	67.07
	4	4.26	28.16	6.11	3.12	9.47
	5	4.10	25.14	3.95	3.01	5.00
	6	8.97	7.89	4.33	9.77	3.59
8	1	20.19	4.10	2.71	2.74	8.76
	2	21.12	3.17	5.18	2.59	4.19
	3	6.03	138.08	8.12	5.10	2.91
	4	4.56	26.92	7.12	3.76	50.50
	5	3.87	12.61	4.18	63.07	14.12
	6	19.65	8.82	2.71	10.56	6.89
9	1	38.45	4.72	2.24	5.59	5.73
	2	14.70	5.73	2.01	191.03	14.29
	3	7.74	3.33	29.16	143.28	8.62
	4	108.53	3.25	12.53	13.00	6.83
	5	54.54	11.45	11.76	9.58	5.01
	6	56.24	6.19	7.89	5.06	4.61
10	1	31.41	3.79	6.65	7.03	58.00
	2	11.91	3.17	3.79	24.17	8.95
	3	7.74	2.24	2.94	30.18	5.65
	4	25.61	1.93	2.55	10.53	4.70
	5	23.90	1.47	3.95	9.90	9.32
	6	9.82	10.29	2.71	5.88	4.82
11	1	5.11	3.48	4.56	6.44	4.80
	2	3.64	2.32	3.09	6.02	4.81
	3	2.71	2.01	2.17	5.26	2.66
	4	2.24	2.01	2.32	4.72	1.97
	5	2.01	1.86	2.01	4.34	1.90
	6	1.63	1.55	1.70	3.06	2.18
12	1	1.86	1.39	1.63	3.01	1.82
	2	1.93	1.32	1.47	2.94	2.03
	3	1.47	1.08	1.24	2.69	2.03
	4	1.39	1.08	1.24	2.47	1.74
	5	1.16	0.93	1.24	2.45	2.80
	6	1.16	1.01	1.01	2.45	2.46

寄居地点流量データ (1/4)

単位: m³/s

年		1983 (S58)	1984 (S59)	1985 (S60)	1986 (S61)	1987 (S62)
月・半旬						
1	1	9.06	5.93	6.65	5.57	7.63
	2	10.50	6.27	5.94	5.55	6.91
	3	8.58	6.17	5.80	5.44	7.33
	4	9.93	6.05	5.42	5.30	7.04
	5	7.60	6.16	5.15	4.73	5.53
	6	7.67	5.98	5.13	4.94	5.49
2	1	8.59	6.59	5.39	5.06	6.18
	2	8.09	5.90	12.04	4.94	6.73
	3	7.31	6.02	10.87	3.94	7.64
	4	9.02	5.09	7.29	4.49	6.16
	5	9.09	6.04	15.04	5.52	6.88
	6	9.82	6.46	9.32	4.80	6.49
3	1	12.25	5.38	17.87	5.15	5.12
	2	9.43	4.85	13.34	5.20	6.15
	3	14.15	4.90	19.73	4.92	7.91
	4	12.06	6.07	29.77	5.62	8.48
	5	13.48	5.83	30.50	10.84	13.74
	6	14.19	6.27	34.34	23.50	8.59
4	1	51.40	8.61	37.64	18.84	5.90
	2	23.83	10.74	46.11	12.15	5.38
	3	26.53	8.94	118.96	14.41	7.96
	4	45.72	16.45	53.84	16.20	7.62
	5	30.37	18.39	62.32	40.30	6.99
	6	23.48	11.73	42.54	30.42	7.63
5	1	18.26	16.47	25.52	21.84	7.91
	2	21.04	10.81	21.58	31.41	5.93
	3	16.53	9.82	16.42	55.22	10.36
	4	93.16	18.27	13.37	43.97	10.21
	5	29.84	11.20	15.20	40.67	14.36
	6	22.89	9.58	16.30	30.10	9.24
6	1	16.03	8.46	11.70	24.44	8.68
	2	14.50	8.00	11.07	22.34	7.81
	3	15.02	8.19	62.92	16.77	8.82
	4	14.87	8.15	87.19	20.95	8.60
	5	27.59	16.54	91.74	18.06	12.40
	6	16.96	36.76	195.52	24.01	9.62
7	1	21.53	20.83	345.85	41.52	13.26
	2	45.56	17.07	51.37	30.10	15.20
	3	36.03	15.79	44.62	30.80	9.16
	4	39.69	21.66	31.00	29.13	19.24
	5	31.05	48.32	36.58	31.41	16.37
	6	25.52	34.98	21.33	22.09	9.15
8	1	21.58	26.02	19.96	162.38	7.01
	2	23.94	27.15	15.71	100.07	7.91
	3	126.61	33.49	24.47	37.33	15.59
	4	1021.60	16.35	13.53	29.65	20.23
	5	89.38	13.42	10.30	31.80	18.22
	6	37.80	10.83	20.06	23.35	12.74
9	1	26.93	9.18	17.40	331.42	20.95
	2	42.66	6.98	13.31	69.03	65.30
	3	28.85	7.37	9.43	44.19	49.76
	4	31.78	12.23	10.48	35.55	54.50
	5	41.27	10.29	18.28	26.24	49.54
	6	316.05	7.29	25.10	24.19	45.69
10	1	72.03	7.01	20.09	34.24	27.89
	2	39.53	6.72	18.61	33.97	19.71
	3	31.28	38.79	16.85	25.63	14.78
	4	26.90	27.51	12.84	19.23	28.16
	5	20.39	28.16	10.90	15.25	20.09
	6	17.78	21.80	9.84	13.18	17.40
11	1	15.31	11.67	9.27	11.94	20.38
	2	15.95	10.28	13.40	9.97	20.39
	3	14.95	10.27	9.57	10.21	14.69
	4	12.03	13.50	8.73	9.07	12.73
	5	12.51	9.94	8.01	8.55	10.84
	6	11.18	9.34	6.88	7.25	10.80
12	1	9.47	7.62	7.10	6.84	8.79
	2	8.08	7.92	7.66	6.19	9.52
	3	8.23	13.41	5.89	7.35	11.34
	4	7.24	12.37	5.42	14.76	10.30
	5	7.17	11.23	5.39	9.04	8.66
	6	6.42	7.42	5.72	8.33	8.22

寄居地点流量データ (2/4)

単位: m³/s

年 月・半旬		1988 (S63)	1989 (H01)	1990 (H02)	1991 (H03)	1992 (H04)
1	1	6.98	5.36	6.69	11.17	8.37
	2	7.08	4.87	5.82	10.78	8.89
	3	5.80	6.85	6.03	10.69	8.20
	4	5.38	5.06	6.05	8.74	9.20
	5	6.18	10.24	6.28	11.16	11.12
	6	5.88	8.88	5.34	8.83	7.12
2	1	5.24	6.88	6.81	7.38	8.33
	2	4.98	7.82	11.51	7.59	8.05
	3	4.37	9.64	7.89	7.11	5.87
	4	3.99	10.20	7.84	11.30	4.09
	5	4.17	7.31	8.50	8.54	5.31
	6	5.15	19.93	11.57	8.66	4.93
3	1	6.07	19.46	30.41	6.59	8.07
	2	4.67	35.74	17.23	8.67	9.28
	3	6.12	21.85	12.90	9.69	7.96
	4	7.90	17.32	11.92	7.88	7.24
	5	24.68	12.84	11.89	24.02	15.48
	6	13.89	16.79	12.83	14.58	17.97
4	1	15.40	15.79	20.56	14.40	23.56
	2	28.96	26.38	16.34	35.26	24.86
	3	40.79	29.66	15.21	20.06	28.82
	4	33.20	25.85	39.66	10.12	12.90
	5	28.53	42.35	46.47	9.97	12.23
	6	20.49	41.45	26.87	9.96	9.53
5	1	17.61	23.80	17.87	10.91	10.30
	2	22.74	29.25	19.45	11.18	7.66
	3	19.53	65.72	16.74	12.00	15.40
	4	17.77	33.55	13.70	10.23	18.08
	5	36.07	25.19	12.20	8.44	17.57
	6	26.08	62.42	10.06	8.59	30.95
6	1	31.02	26.77	9.93	15.07	24.35
	2	24.09	19.95	9.32	12.09	25.27
	3	19.40	17.48	9.96	12.78	20.92
	4	24.56	69.20	8.21	15.11	24.83
	5	18.52	68.71	7.32	32.42	219.67
	6	114.93	62.86	8.89	20.40	78.59
7	1	72.41	44.09	7.28	17.81	69.59
	2	32.63	39.91	9.86	35.30	29.94
	3	23.39	44.37	10.28	27.04	28.49
	4	48.64	64.12	9.05	28.97	39.42
	5	35.12	35.22	8.61	17.33	25.37
	6	96.77	182.97	9.67	13.56	21.68
8	1	40.85	135.21	5.96	33.54	44.62
	2	33.69	309.23	188.62	19.66	28.45
	3	219.09	54.95	76.68	27.29	100.93
	4	297.10	55.65	12.85	130.55	38.07
	5	96.93	31.45	7.84	441.84	25.30
	6	213.92	172.48	6.93	116.38	26.17
9	1	59.85	76.97	4.75	111.64	16.24
	2	76.96	64.03	7.06	115.12	11.75
	3	71.33	37.71	17.11	176.26	8.87
	4	109.88	62.23	76.69	419.32	9.28
	5	113.51	86.52	44.33	158.38	8.34
	6	289.07	41.30	270.94	58.18	11.72
10	1	77.74	36.57	257.82	210.00	10.46
	2	58.94	70.98	145.12	251.73	75.74
	3	39.61	86.92	62.55	720.76	32.89
	4	27.50	44.83	30.64	126.50	57.85
	5	21.70	33.02	20.37	61.75	75.70
	6	17.66	21.09	21.11	109.02	13.30
11	1	14.91	17.02	51.25	38.38	14.74
	2	13.00	14.33	34.62	25.81	16.71
	3	10.98	13.09	22.94	22.17	17.65
	4	10.84	12.84	16.12	21.34	18.54
	5	10.09	11.38	13.33	20.55	28.73
	6	10.16	11.48	306.80	19.64	23.29
12	1	8.60	8.98	254.53	11.48	15.13
	2	8.38	8.85	39.69	12.05	16.12
	3	8.35	8.93	34.18	10.74	14.91
	4	7.34	8.80	20.19	9.27	11.94
	5	6.90	7.63	16.33	9.41	11.33
	6	6.73	8.38	14.04	11.07	8.86

寄居地点流量データ (3/4)

単位: m³/s

年		1993	1994	1995	1996	1997
月・半年		(H05)	(H06)	(H07)	(H08)	(H09)
1	1	9.21	8.06	9.00	4.27	5.92
	2	11.87	8.16	8.78	4.57	6.17
	3	10.14	9.07	6.84	4.18	5.29
	4	9.24	10.53	6.15	4.66	5.17
	5	10.35	8.96	6.63	3.83	4.63
	6	18.42	7.56	5.95	3.71	4.80
2	1	8.45	7.10	4.94	3.23	4.20
	2	11.50	7.23	4.73	3.31	4.04
	3	8.30	7.38	5.04	3.21	4.03
	4	10.07	7.16	5.29	3.59	4.54
	5	12.30	18.88	4.75	3.08	3.91
	6	8.62	9.11	5.13	5.03	4.05
3	1	7.95	8.13	6.96	4.29	5.09
	2	8.80	12.58	7.30	3.71	4.23
	3	8.06	15.73	9.96	3.71	3.91
	4	7.90	10.18	12.35	5.93	6.65
	5	6.89	21.67	9.66	4.10	5.47
	6	9.26	16.53	20.70	9.93	10.09
4	1	10.56	16.30	20.77	9.97	9.92
	2	11.05	16.56	15.85	6.40	50.35
	3	9.30	16.69	16.34	5.17	17.50
	4	7.67	13.28	17.19	16.40	11.50
	5	9.79	13.39	16.01	8.41	9.36
	6	10.68	11.64	14.54	7.55	7.82
5	1	14.33	10.68	18.50	11.59	7.59
	2	12.66	9.35	16.32	17.80	7.72
	3	37.45	13.73	30.11	13.78	8.41
	4	25.78	18.90	51.77	8.87	7.78
	5	15.33	11.78	22.89	8.56	25.34
	6	10.23	19.36	15.99	6.08	33.90
6	1	9.44	13.70	14.52	5.80	14.86
	2	8.68	10.70	29.26	3.99	10.10
	3	10.12	12.60	118.91	4.75	22.00
	4	8.81	17.32	57.20	4.49	57.52
	5	33.12	15.73	29.28	3.61	71.34
	6	23.26	12.14	30.39	13.90	30.73
7	1	140.51	11.83	38.82	6.13	22.28
	2	115.65	9.73	145.53	20.58	17.52
	3	39.02	14.87	50.91	28.48	26.58
	4	55.56	36.10	32.84	27.12	21.84
	5	70.76	18.66	28.37	78.42	15.19
	6	127.47	21.51	19.69	24.57	34.33
8	1	36.29	38.27	15.29	18.53	25.67
	2	47.42	21.83	16.77	12.83	17.91
	3	54.15	13.14	10.39	9.90	15.04
	4	38.33	10.37	8.43	8.67	11.34
	5	26.29	39.00	21.58	6.08	9.71
	6	353.00	16.62	10.41	8.22	9.51
9	1	167.86	17.73	8.25	7.77	5.30
	2	189.14	8.00	6.91	10.65	11.99
	3	125.29	24.11	10.42	44.29	19.74
	4	46.22	127.87	179.67	24.65	73.20
	5	48.70	43.41	29.48	270.32	34.18
	6	33.78	91.85	20.36	45.64	44.09
10	1	33.80	136.65	25.79	53.75	21.49
	2	116.94	59.38	24.33	45.45	14.14
	3	45.27	33.85	17.41	40.97	11.30
	4	27.72	22.53	14.68	31.42	9.07
	5	21.03	28.54	12.67	21.52	8.00
	6	17.26	19.72	10.42	15.79	6.31
11	1	14.87	16.48	9.66	20.52	5.41
	2	12.75	13.80	10.84	14.38	5.04
	3	43.66	12.31	8.12	14.47	4.95
	4	20.43	10.81	8.01	11.20	5.94
	5	20.39	11.78	8.03	10.71	4.59
	6	15.01	9.39	7.01	8.92	18.40
12	1	13.44	8.71	6.54	8.38	13.09
	2	12.24	7.59	6.09	8.67	8.85
	3	13.60	8.73	6.17	7.04	6.89
	4	10.52	6.78	5.75	7.40	6.53
	5	15.32	6.83	5.42	6.11	5.13
	6	9.37	6.97	4.87	6.07	5.18

寄居地点流量データ (4/4)

単位: m³/s

年		1998	1999	2000	2001	2002
月・半旬		(H10)	(H11)	(H12)	(H13)	(H14)
1	1	4.75	6.59	2.88	5.23	6.59
	2	5.10	6.56	3.76	7.13	6.54
	3	7.12	5.75	4.39	8.73	5.92
	4	13.29	6.49	4.03	6.47	6.60
	5	10.01	5.65	2.89	7.02	23.03
	6	7.94	5.82	2.45	10.95	20.92
2	1	7.05	5.11	2.14	9.46	14.46
	2	7.82	4.97	1.96	12.19	18.28
	3	12.40	4.94	1.83	9.33	11.06
	4	15.00	4.98	1.64	7.97	9.04
	5	26.71	4.82	1.29	14.35	8.09
	6	33.27	4.65	1.73	11.82	8.15
3	1	44.62	4.45	1.54	32.08	9.17
	2	26.20	4.04	1.58	21.72	10.66
	3	25.05	4.57	1.58	12.88	8.15
	4	19.06	7.55	1.94	12.20	7.66
	5	22.41	8.98	4.03	14.97	7.23
	6	20.64	9.40	4.38	20.46	18.40
4	1	31.07	7.60	3.25	14.86	14.94
	2	84.15	6.78	4.62	14.56	11.27
	3	105.59	140.87	5.73	15.49	13.30
	4	114.56	26.03	8.83	12.24	10.61
	5	35.79	114.31	33.25	10.53	25.77
	6	25.22	72.16	14.32	11.51	14.14
5	1	19.70	37.56	10.02	25.96	11.02
	2	16.54	31.60	7.57	17.35	8.76
	3	14.33	21.50	9.24	12.19	14.38
	4	18.72	17.58	23.05	9.77	16.54
	5	20.44	12.90	14.82	61.83	14.48
	6	32.20	17.48	8.79	37.35	10.80
6	1	19.67	11.44	7.97	21.54	10.28
	2	25.05	10.40	8.77	19.98	8.63
	3	36.24	8.11	38.87	39.17	10.39
	4	31.46	15.47	22.34	57.44	36.05
	5	90.31	12.12	29.94	29.36	14.98
	6	32.95	89.15	28.29	21.62	19.91
7	1	20.74	76.92	49.03	15.47	22.40
	2	17.51	43.94	282.22	10.69	144.47
	3	15.89	346.43	50.58	10.40	337.15
	4	15.19	96.03	31.40	14.56	39.67
	5	20.69	78.65	20.46	11.52	25.71
	6	107.23	29.60	19.32	18.30	18.09
8	1	78.21	19.95	22.99	8.93	30.27
	2	53.68	19.05	62.06	7.02	17.61
	3	23.34	804.14	137.02	17.53	12.57
	4	16.71	189.33	95.60	10.91	248.28
	5	12.04	69.53	30.73	274.14	85.50
	6	140.63	37.72	20.60	44.94	29.12
9	1	139.62	27.33	15.97	27.43	22.37
	2	48.52	22.56	17.14	614.23	64.24
	3	33.90	24.09	151.31	679.45	34.31
	4	558.81	23.75	45.91	69.59	30.65
	5	241.61	87.56	39.50	51.37	22.64
	6	258.46	32.93	25.88	30.82	21.77
10	1	172.50	22.48	22.77	39.52	323.41
	2	49.55	17.77	16.02	114.10	45.10
	3	30.81	15.02	12.13	165.02	26.77
	4	132.27	14.29	11.35	48.14	21.44
	5	116.59	12.59	20.17	41.80	43.19
	6	44.38	61.46	14.07	26.81	20.39
11	1	27.02	25.17	27.35	29.21	15.25
	2	20.42	17.34	18.11	33.88	12.16
	3	17.02	15.02	12.45	25.60	10.50
	4	14.99	14.42	16.72	19.06	9.13
	5	12.89	11.94	21.67	15.48	9.20
	6	11.99	10.88	13.75	12.94	10.71
12	1	12.18	9.65	10.51	12.16	7.98
	2	13.37	8.84	8.84	10.80	8.94
	3	10.16	7.97	7.51	9.78	7.41
	4	9.40	7.47	6.59	8.57	7.13
	5	7.83	5.26	5.95	7.75	11.62
	6	8.00	3.44	5.34	7.18	8.51

小瀬戸地点流量データ (1/4)

年		単位: m ³ /s				
月・半旬		1983 (S58)	1984 (S59)	1985 (S60)	1986 (S61)	1987 (S62)
1	1	1.01	0.46	1.93	1.42	0.76
	2	1.01	0.46	2.08	1.22	0.71
	3	0.81	0.41	2.23	0.81	0.66
	4	1.07	0.56	2.99	1.07	0.61
	5	1.01	0.51	1.27	0.81	0.66
	6	0.91	0.46	2.28	0.61	0.61
2	1	0.86	0.81	1.12	0.91	0.61
	2	0.76	1.22	2.13	0.66	0.61
	3	0.76	0.96	1.83	0.71	0.76
	4	0.91	0.71	1.32	1.01	0.66
	5	0.86	0.61	1.47	0.91	0.66
	6	0.81	0.76	1.93	0.71	0.46
3	1	1.37	1.01	2.49	1.67	0.51
	2	0.96	0.86	2.84	2.89	0.66
	3	1.88	0.86	3.30	3.40	0.81
	4	1.47	0.96	5.43	4.36	0.91
	5	2.38	0.91	5.33	4.82	1.83
	6	2.18	1.32	6.03	5.27	1.27
4	1	4.77	1.62	7.05	8.42	0.91
	2	2.59	2.28	9.43	8.01	0.81
	3	2.28	1.47	22.57	6.34	0.76
	4	3.25	1.93	10.55	6.44	0.61
	5	2.49	1.98	9.53	18.51	0.56
	6	1.67	1.37	5.48	11.97	0.56
5	1	1.52	3.60	2.89	3.40	0.51
	2	1.62	2.49	2.69	4.01	0.46
	3	1.42	2.03	2.33	7.35	0.96
	4	5.33	2.84	2.03	8.93	0.76
	5	2.74	2.03	2.03	9.03	0.71
	6	2.13	1.83	1.83	6.14	0.51
6	1	1.78	1.62	2.13	4.97	0.56
	2	1.78	1.37	2.03	4.67	0.61
	3	1.78	1.22	6.95	3.25	0.66
	4	2.13	1.32	11.46	3.20	1.27
	5	2.79	2.28	13.74	2.59	1.37
	6	1.93	4.51	20.49	3.55	1.07
7	1	2.43	3.60	55.53	9.84	1.93
	2	6.34	3.75	8.01	6.59	2.28
	3	4.72	4.21	6.14	5.43	1.88
	4	4.06	7.61	5.58	5.38	2.18
	5	3.25	14.81	6.74	10.95	2.03
	6	2.94	4.56	3.35	8.77	1.83
8	1	1.78	1.72	1.83	20.34	1.67
	2	1.57	1.57	2.23	16.23	1.37
	3	9.74	3.20	2.94	6.34	2.59
	4	106.54	2.13	1.93	4.46	3.85
	5	10.04	1.72	1.67	6.14	6.59
	6	4.56	1.32	3.65	2.79	4.06
9	1	4.11	1.83	4.82	48.83	6.34
	2	3.14	1.72	3.35	9.38	14.60
	3	3.14	1.78	2.99	3.85	12.37
	4	3.60	2.49	3.09	3.14	8.87
	5	4.31	1.88	4.41	2.28	8.98
	6	18.15	1.83	5.98	2.08	8.32
10	1	9.28	1.22	6.64	5.43	3.96
	2	6.09	1.07	5.48	3.96	2.79
	3	4.92	8.16	4.46	3.35	2.18
	4	4.46	3.14	3.60	3.25	3.65
	5	3.70	3.20	3.09	2.54	2.54
	6	3.14	2.23	2.69	2.03	2.13
11	1	2.28	2.13	2.69	2.79	2.64
	2	2.54	1.93	3.91	2.69	2.43
	3	2.49	1.83	2.74	2.28	1.93
	4	2.13	2.43	2.43	1.98	1.52
	5	2.13	2.28	2.74	1.78	1.32
	6	1.83	1.83	2.38	1.62	1.32
12	1	1.93	1.62	1.78	1.27	1.12
	2	1.72	1.52	1.98	1.27	1.17
	3	1.67	2.03	1.72	1.57	1.27
	4	1.57	1.83	1.57	1.62	1.07
	5	1.42	1.62	1.52	0.76	0.86
	6	1.32	1.27	1.42	0.91	0.81

小瀬戸地点流量データ (2/4)

単位: m³/s

年		1988	1989	1990	1991	1992
月・半旬	年	(S63)	(H01)	(H02)	(H03)	(H04)
1	1	1.83	1.07	0.66	0.56	0.25
	2	1.52	1.07	0.56	0.25	0.41
	3	1.52	1.01	0.56	0.41	0.25
	4	1.37	1.01	0.61	0.51	0.25
	5	1.32	1.17	0.51	0.96	0.25
	6	1.12	1.01	0.46	0.30	0.46
2	1	0.86	0.96	0.96	0.61	0.25
	2	1.01	1.32	0.86	0.76	0.25
	3	0.96	1.12	1.12	1.52	0.20
	4	1.07	1.93	1.27	0.30	0.30
	5	0.91	1.42	1.98	0.20	0.25
	6	0.86	2.79	2.13	0.30	0.25
3	1	1.22	1.93	3.55	0.20	1.93
	2	1.22	2.43	2.38	0.30	1.93
	3	1.42	2.28	1.72	0.30	0.86
	4	1.62	1.98	1.42	0.30	2.79
	5	4.06	1.52	1.27	4.06	4.97
	6	2.94	2.03	1.37	4.26	5.12
4	1	2.74	3.09	3.75	4.26	5.58
	2	3.25	4.92	2.94	7.45	5.93
	3	5.58	5.88	2.79	3.35	6.85
	4	5.58	4.56	6.03	2.18	4.51
	5	4.92	6.69	8.82	0.96	3.40
	6	3.65	7.45	5.93	0.66	3.04
5	1	5.53	4.21	4.11	0.30	2.59
	2	5.68	5.07	4.36	0.30	3.25
	3	5.27	11.16	3.91	0.66	2.54
	4	4.51	6.09	3.30	1.62	2.33
	5	7.56	4.31	2.79	1.67	2.18
	6	6.24	7.51	2.49	1.67	2.18
6	1	5.58	6.19	1.78	2.13	2.13
	2	4.82	5.02	1.67	1.83	2.54
	3	4.16	4.36	1.62	1.37	2.28
	4	3.91	14.15	1.67	2.43	3.50
	5	3.60	12.58	1.47	6.39	14.71
	6	13.34	11.97	1.42	3.35	8.06
7	1	10.60	5.83	1.57	3.70	8.77
	2	5.78	5.58	1.42	6.54	6.49
	3	4.46	4.62	1.62	3.85	7.05
	4	7.81	4.97	1.37	2.74	7.30
	5	6.29	3.91	1.42	2.13	6.29
	6	13.34	32.45	1.32	1.88	5.27
8	1	10.75	24.44	0.15	2.84	9.43
	2	8.42	46.45	6.95	3.45	7.05
	3	47.41	8.93	4.72	3.14	9.33
	4	50.41	5.38	1.57	33.47	7.40
	5	22.92	3.35	1.27	26.67	5.93
	6	38.39	34.74	0.96	13.29	4.92
9	1	8.87	10.35	2.08	11.00	4.16
	2	8.37	6.14	1.98	12.73	2.23
	3	9.58	5.07	3.60	15.26	1.52
	4	13.19	7.45	6.90	34.08	1.47
	5	10.35	13.84	4.21	14.40	1.32
	6	24.24	8.01	12.63	8.98	1.83
10	1	14.10	6.90	33.62	11.26	2.28
	2	9.58	8.93	14.00	18.71	9.94
	3	6.44	11.00	8.67	49.95	6.19
	4	4.62	7.30	5.48	8.87	8.52
	5	3.60	5.53	3.96	5.12	8.42
	6	2.94	3.80	3.60	6.49	4.01
11	1	0.71	3.50	7.35	4.46	2.54
	2	0.61	2.89	5.83	3.75	2.13
	3	0.56	2.59	4.01	2.13	1.72
	4	0.56	2.43	3.14	2.13	2.23
	5	0.51	2.08	2.59	2.13	2.28
	6	0.46	1.83	40.87	3.09	1.57
12	1	1.32	1.12	50.05	2.13	1.47
	2	1.22	1.07	10.55	1.42	1.98
	3	1.07	0.96	8.27	1.17	1.42
	4	1.07	0.91	5.43	0.30	1.22
	5	0.96	0.86	4.36	0.51	1.12
	6	0.91	0.81	3.20	0.81	1.01

小瀬戸地点流量データ (3/4)

単位：m³/s

年		1993 (H05)	1994 (H06)	1995 (H07)	1996 (H08)	1997 (H09)
月・半旬						
1	1	0.91	0.86	1.17	0.46	0.81
	2	0.91	0.86	0.86	0.46	0.76
	3	0.81	1.01	0.71	0.41	0.71
	4	1.47	1.07	0.61	1.07	0.66
	5	3.09	0.81	0.61	0.46	0.66
	6	3.20	0.76	0.41	0.46	0.61
2	1	2.13	0.71	0.41	0.41	0.56
	2	2.33	0.66	0.41	0.41	0.61
	3	2.38	0.76	0.66	0.41	0.61
	4	2.38	0.76	0.41	0.51	0.66
	5	2.08	2.18	0.56	0.46	0.51
	6	2.38	1.01	0.76	0.51	0.51
3	1	2.28	0.86	0.81	0.46	0.51
	2	1.93	1.57	0.86	0.46	0.51
	3	1.42	1.32	1.12	0.56	0.71
	4	0.51	0.91	2.13	0.76	0.86
	5	0.36	1.88	2.69	0.51	0.71
	6	1.32	0.30	3.70	0.66	0.86
4	1	1.42	0.25	3.55	0.76	0.81
	2	1.37	0.36	2.38	0.46	2.64
	3	0.76	0.20	2.54	0.41	1.12
	4	0.25	0.25	2.13	2.08	0.91
	5	0.30	0.25	1.72	0.81	0.71
	6	0.66	0.25	1.22	0.56	0.71
5	1	0.96	0.25	3.14	0.91	0.66
	2	1.17	0.25	2.54	1.27	0.66
	3	2.74	1.67	7.15	1.07	1.01
	4	1.72	1.67	6.85	0.71	2.13
	5	1.27	1.27	3.50	0.91	4.62
	6	1.07	3.50	2.79	0.66	3.55
6	1	1.12	1.78	1.98	0.56	1.98
	2	1.22	1.42	6.49	1.17	1.72
	3	1.32	1.47	13.95	1.07	2.23
	4	1.78	2.43	8.37	1.12	6.90
	5	9.23	1.83	4.87	1.07	5.83
	6	3.60	1.62	3.96	1.07	3.04
7	1	9.84	1.32	6.44	0.61	2.03
	2	7.45	1.12	9.28	2.74	1.83
	3	5.17	1.47	5.17	2.64	1.78
	4	7.61	3.25	3.60	3.30	2.18
	5	10.09	1.83	2.89	7.71	1.52
	6	8.93	3.30	2.03	3.09	4.16
8	1	4.77	3.50	1.67	2.08	2.38
	2	5.53	1.98	1.67	1.57	1.78
	3	5.38	1.62	1.27	1.37	2.84
	4	3.91	3.40	1.52	1.22	2.28
	5	2.89	6.29	4.26	1.17	3.35
	6	19.98	2.59	1.57	1.27	3.30
9	1	8.37	2.08	1.27	0.96	2.84
	2	9.94	1.67	1.12	1.78	3.45
	3	6.74	2.59	1.37	3.45	4.97
	4	3.91	26.78	7.25	2.28	9.79
	5	3.75	7.81	2.33	18.92	6.09
	6	2.74	16.28	1.78	4.56	7.25
10	1	3.04	23.17	2.64	4.82	4.36
	2	6.34	10.19	2.28	4.11	2.94
	3	3.96	4.77	1.72	3.65	2.18
	4	2.64	3.14	1.42	2.84	1.78
	5	2.03	3.96	1.22	2.18	1.52
	6	1.72	2.69	1.07	1.83	1.22
11	1	1.42	2.03	0.96	2.18	1.12
	2	1.27	1.72	1.01	1.57	1.01
	3	5.68	1.47	0.86	1.78	1.01
	4	2.74	1.47	0.81	1.42	1.12
	5	2.33	1.62	0.71	1.27	1.01
	6	1.83	1.12	0.66	1.22	2.13
12	1	1.52	1.01	0.61	1.01	1.22
	2	1.62	0.71	0.56	1.01	1.01
	3	1.32	0.81	0.56	0.91	0.91
	4	1.22	0.76	0.51	0.96	0.91
	5	1.07	0.71	0.51	0.81	0.76
	6	0.96	0.86	0.46	0.76	0.76

小瀬戸地点流量データ (4/4)

単位: m³/s

年 月・半旬	1998 (H10)	1999 (H11)	2000 (H12)	2001 (H13)	2002 (H14)	
1	1	0.71	2.33	0.81	1.59	1.75
	2	0.81	2.38	0.86	1.93	1.73
	3	1.01	2.38	0.96	2.01	1.66
	4	2.08	2.13	0.96	1.56	1.73
	5	1.32	1.12	0.76	1.59	2.73
	6	0.96	0.41	0.76	2.51	3.09
2	1	0.86	0.30	0.71	2.14	2.24
	2	0.96	0.30	0.66	2.21	2.30
	3	1.37	0.61	0.66	1.92	1.97
	4	1.72	0.51	0.61	1.69	1.90
	5	2.94	1.37	0.66	1.83	1.85
	6	4.46	0.30	0.66	1.75	1.86
3	1	5.12	0.30	0.66	3.01	1.82
	2	3.20	0.30	0.56	2.59	1.80
	3	3.70	0.81	0.56	2.05	1.80
	4	2.74	1.32	0.61	2.22	1.76
	5	5.12	2.49	0.71	2.36	1.79
	6	4.21	2.23	0.76	3.11	2.14
4	1	4.82	1.78	0.71	2.50	2.01
	2	7.40	2.89	0.76	2.17	1.85
	3	7.51	12.12	0.91	1.99	2.01
	4	7.61	4.92	1.78	1.89	1.82
	5	5.83	10.55	4.62	1.81	2.59
	6	4.92	9.23	1.93	1.99	2.10
5	1	4.31	5.88	1.32	3.18	1.95
	2	4.41	4.82	1.12	2.62	1.88
	3	3.85	4.31	18.41	2.41	2.37
	4	5.07	2.84	2.18	3.30	2.92
	5	4.87	2.13	1.98	5.66	4.04
	6	5.73	2.18	1.17	5.92	3.77
6	1	4.21	1.62	1.32	4.69	3.94
	2	5.68	1.32	1.52	5.21	4.07
	3	8.37	1.32	3.85	6.08	4.36
	4	6.44	1.67	2.33	7.17	4.55
	5	9.89	1.52	2.59	5.71	4.52
	6	5.27	6.69	2.33	4.51	5.06
7	1	3.40	5.22	2.74	2.74	3.58
	2	2.69	4.06	15.67	2.75	15.93
	3	2.33	27.54	4.97	2.99	32.19
	4	2.59	10.80	3.35	3.00	3.83
	5	5.07	8.93	2.43	2.76	2.84
	6	9.84	4.82	2.08	2.45	2.50
8	1	7.20	3.40	1.88	2.81	3.03
	2	4.92	3.20	2.08	2.72	3.15
	3	3.45	57.30	6.34	2.45	2.93
	4	2.94	15.52	3.96	2.37	14.10
	5	3.04	6.59	2.64	21.46	6.36
	6	25.10	4.11	2.03	6.03	4.28
9	1	11.61	2.94	1.98	4.96	3.69
	2	6.44	2.79	1.78	31.61	11.75
	3	16.08	2.33	4.46	45.11	5.42
	4	26.57	2.28	3.04	5.16	3.99
	5	19.22	8.27	5.88	4.72	3.18
	6	16.08	3.85	4.56	3.27	2.92
10	1	14.60	2.94	3.50	2.68	14.97
	2	6.34	2.28	2.49	5.22	4.40
	3	3.96	2.08	2.13	7.80	3.75
	4	11.82	1.83	1.93	4.00	3.53
	5	8.52	1.52	3.25	3.89	4.19
	6	5.33	6.74	2.49	3.50	3.43
11	1	6.49	3.14	3.70	3.39	3.15
	2	4.67	2.28	2.84	3.54	3.01
	3	4.56	1.98	2.13	3.10	2.87
	4	5.02	1.72	2.64	2.23	2.96
	5	4.56	1.57	2.74	2.43	3.12
	6	4.56	1.32	1.98	2.42	2.81
12	1	4.92	1.17	1.62	2.29	2.58
	2	4.67	1.12	1.42	2.23	2.64
	3	2.59	1.01	1.27	2.05	1.77
	4	2.38	0.96	1.17	1.93	1.08
	5	2.38	0.81	1.12	1.88	1.24
	6	2.38	0.81	0.96	1.80	0.92

古谷本郷地点流量データ (1/4)

単位: m³/s

年 月・半旬		1983 (S58)	1984 (S59)	1985 (S60)	1986 (S61)	1987 (S62)
1	1	13.06	9.10	9.76	8.20	10.23
	2	14.69	9.35	8.86	7.73	10.19
	3	12.56	9.42	8.49	7.36	10.30
	4	14.68	8.69	8.06	7.25	9.71
	5	11.51	9.63	7.62	6.93	8.86
	6	11.13	9.33	7.53	7.12	8.49
2	1	12.44	10.13	7.74	7.23	9.61
	2	10.95	8.54	33.82	7.09	10.27
	3	10.26	8.55	22.66	6.17	11.35
	4	19.84	8.36	29.24	6.88	9.50
	5	15.49	9.70	40.84	8.07	10.55
	6	14.95	10.86	19.59	7.00	9.72
3	1	17.31	9.58	31.88	7.46	8.16
	2	13.14	8.49	19.82	7.37	9.32
	3	26.79	8.41	38.77	8.72	12.27
	4	21.17	11.68	55.40	10.96	11.71
	5	21.13	11.82	52.32	49.77	23.76
	6	20.84	10.63	49.67	52.06	13.70
4	1	88.44	13.28	68.88	26.51	8.72
	2	33.98	15.38	82.99	15.18	8.17
	3	36.72	13.00	199.47	16.86	10.24
	4	65.24	21.99	87.42	18.97	10.00
	5	42.00	23.15	115.21	96.13	10.19
	6	29.91	15.50	65.24	44.61	10.81
5	1	22.53	24.65	38.48	26.21	10.86
	2	25.72	14.29	28.19	46.00	6.82
	3	20.99	12.70	19.85	107.55	11.91
	4	128.68	23.78	16.32	92.83	13.25
	5	38.14	14.47	20.69	68.47	16.46
	6	28.31	11.63	19.87	49.99	10.10
6	1	19.23	10.45	14.56	36.84	9.34
	2	16.77	8.95	13.32	27.22	8.54
	3	18.63	9.43	104.43	18.99	9.17
	4	17.01	9.34	162.09	25.27	10.45
	5	46.26	29.79	162.25	20.62	15.53
	6	22.53	75.18	332.95	39.54	11.88
7	1	29.95	30.18	610.87	134.44	23.34
	2	81.82	30.53	82.61	56.68	26.14
	3	53.75	22.95	77.71	52.17	15.50
	4	62.77	43.62	59.56	53.40	42.95
	5	46.49	125.84	108.98	53.70	26.76
	6	33.32	51.73	36.36	30.99	17.06
8	1	27.44	35.65	27.88	290.57	14.21
	2	27.64	33.38	20.67	163.85	10.72
	3	137.62	38.18	48.56	52.79	18.69
	4	1380.75	19.01	17.01	44.38	38.63
	5	141.29	14.35	13.28	53.84	31.26
	6	57.36	11.47	27.88	28.72	18.85
9	1	40.34	9.91	26.27	517.02	37.91
	2	62.26	8.49	22.94	111.60	149.17
	3	40.36	11.08	12.42	71.49	114.36
	4	48.53	21.63	18.74	61.72	92.41
	5	64.61	20.12	29.63	42.22	103.73
	6	453.95	11.61	45.22	35.06	106.59
10	1	114.00	10.60	35.43	62.75	47.35
	2	63.95	9.74	36.72	47.89	29.44
	3	54.27	63.96	29.36	34.03	20.82
	4	49.37	39.02	18.87	25.55	56.95
	5	36.71	38.48	15.27	20.09	34.74
	6	28.77	25.89	14.48	15.82	32.17
11	1	22.07	15.93	12.79	14.14	38.59
	2	22.92	14.32	36.74	12.78	38.03
	3	21.46	13.75	14.76	12.42	22.73
	4	16.72	19.49	12.09	11.25	19.74
	5	18.36	15.91	14.13	10.73	14.66
	6	15.66	13.52	10.64	9.43	15.12
12	1	13.63	11.42	10.89	9.02	11.81
	2	11.96	12.04	11.79	8.36	14.14
	3	11.78	20.32	10.07	13.90	19.93
	4	10.77	19.40	8.62	29.39	15.73
	5	10.32	15.91	8.16	15.53	12.47
	6	9.42	11.17	8.04	12.50	11.02

古谷本郷地点流量データ (2/4)

単位: m³/s

年 月・半旬	1988 (S63)	1989 (H01)	1990 (H02)	1991 (H03)	1992 (H04)	
1	1	10.12	10.19	11.13	19.17	14.61
	2	10.58	9.58	10.25	17.40	16.88
	3	9.00	12.74	10.40	16.76	14.40
	4	8.27	10.74	11.08	14.32	15.28
	5	9.81	24.88	11.17	23.28	17.54
	6	8.87	14.64	9.93	15.04	12.89
2	1	8.78	11.84	12.98	12.44	19.80
	2	8.40	12.97	17.78	12.56	15.81
	3	7.63	15.14	13.80	12.78	12.24
	4	7.34	21.29	16.84	28.95	9.53
	5	7.48	15.08	18.23	14.83	10.64
	6	8.62	41.87	28.16	14.38	10.93
3	1	9.63	28.72	58.30	10.97	13.94
	2	7.98	57.72	28.78	11.38	16.62
	3	9.59	32.65	21.08	12.40	14.26
	4	11.76	23.02	17.74	10.59	21.21
	5	53.77	18.80	16.71	45.71	50.45
	6	38.87	28.46	18.84	31.30	45.27
4	1	25.20	22.96	42.16	32.83	54.03
	2	58.97	43.67	23.89	85.45	57.25
	3	58.70	49.97	21.90	43.42	70.98
	4	50.56	36.98	72.04	23.12	32.46
	5	41.93	61.20	108.63	18.96	26.76
	6	26.13	68.56	46.28	19.48	21.35
5	1	21.24	35.05	27.20	16.74	25.07
	2	30.57	42.94	31.85	16.63	18.13
	3	23.90	119.09	25.50	18.00	24.18
	4	20.80	53.72	20.63	15.43	29.80
	5	59.40	38.22	18.51	13.60	26.40
	6	44.47	94.20	15.41	14.63	52.94
6	1	51.28	37.01	15.23	25.00	40.51
	2	31.94	28.31	14.16	17.84	60.02
	3	23.35	25.41	18.14	18.13	36.68
	4	28.74	154.56	16.24	26.74	39.88
	5	27.73	134.54	12.04	86.46	424.34
	6	219.39	125.70	14.65	41.43	127.72
7	1	156.15	75.57	14.85	35.62	134.79
	2	49.82	62.98	15.54	68.54	51.46
	3	35.49	68.39	21.55	40.75	50.93
	4	161.39	104.29	14.35	44.16	115.00
	5	71.71	49.53	13.18	25.96	46.73
	6	202.55	262.06	16.23	20.20	32.51
8	1	74.65	307.79	6.80	55.33	81.31
	2	92.44	438.04	290.39	50.66	40.86
	3	545.17	83.38	157.58	56.49	152.87
	4	512.82	116.39	23.84	167.59	57.80
	5	194.33	51.79	14.94	851.51	36.45
	6	362.34	316.06	12.87	169.29	33.45
9	1	169.57	107.87	10.09	157.83	20.65
	2	150.29	87.92	13.26	192.40	14.71
	3	134.43	51.59	52.43	283.71	13.05
	4	150.68	103.39	207.36	768.52	13.98
	5	202.49	143.68	94.11	250.28	12.60
	6	526.35	66.80	461.45	91.57	23.52
10	1	131.28	54.68	520.94	318.23	24.01
	2	111.70	98.26	226.97	386.07	192.17
	3	67.68	144.40	105.26	1092.13	78.40
	4	45.31	78.62	56.11	178.83	151.11
	5	32.26	56.14	35.36	96.18	175.53
	6	24.79	34.42	42.55	169.19	37.75
11	1	19.85	29.98	92.58	62.54	28.06
	2	17.02	24.32	62.06	43.84	26.84
	3	14.49	20.77	36.74	34.69	26.03
	4	15.60	20.90	25.81	30.47	27.70
	5	14.22	17.83	21.17	27.93	49.16
	6	14.55	17.37	446.91	38.74	31.86
12	1	12.26	14.87	489.28	21.56	24.39
	2	11.87	13.91	71.39	19.71	35.43
	3	11.72	14.21	74.97	17.44	24.05
	4	11.16	13.66	40.04	15.37	18.85
	5	9.69	13.34	29.65	15.44	17.80
	6	10.02	13.82	23.50	19.23	14.87

古谷本郷地点流量データ (3/4)

単位: m³/s

年 月・半旬	1993 (H05)	1994 (H06)	1995 (H07)	1996 (H08)	1997 (H09)	
1	1	14.36	11.98	15.48	7.10	10.96
	2	17.43	12.31	14.23	6.30	13.01
	3	15.58	13.48	11.94	5.75	10.82
	4	20.06	16.07	11.02	6.19	10.85
	5	17.33	13.67	12.32	5.36	9.61
	6	37.40	11.75	11.18	5.23	9.81
2	1	15.47	11.19	9.82	4.88	7.27
	2	17.41	11.33	9.61	4.88	6.50
	3	13.72	11.54	10.89	4.72	6.46
	4	17.21	11.84	10.19	5.11	8.60
	5	19.52	38.22	9.54	4.60	6.28
	6	14.75	16.11	9.73	6.68	6.37
3	1	13.82	14.43	13.53	5.85	7.31
	2	14.32	22.87	12.31	5.24	6.38
	3	12.88	25.43	17.54	5.29	6.06
	4	12.89	16.70	20.04	10.13	11.72
	5	11.98	40.84	15.98	7.23	9.94
	6	14.74	25.31	39.01	12.71	16.88
4	1	16.33	22.14	32.65	16.09	15.75
	2	16.28	22.01	22.53	11.54	71.03
	3	14.27	21.85	22.14	9.45	24.48
	4	11.62	18.76	22.39	28.98	16.82
	5	14.91	19.46	21.41	14.02	14.08
	6	13.76	17.52	19.94	12.88	12.24
5	1	20.29	16.31	26.69	19.71	11.99
	2	18.14	14.63	23.30	30.61	12.60
	3	47.40	20.09	54.59	20.42	12.86
	4	31.09	25.20	89.01	13.91	16.75
	5	19.86	15.88	30.64	14.02	61.41
	6	14.53	45.47	21.85	8.74	71.68
6	1	11.83	19.87	20.70	7.46	22.24
	2	14.53	17.99	78.59	6.76	19.35
	3	17.09	25.27	225.29	9.95	34.13
	4	13.22	38.51	106.86	9.39	108.66
	5	92.18	28.79	58.94	6.70	153.97
	6	39.59	20.85	52.54	18.98	43.85
7	1	246.48	18.45	85.13	9.49	29.42
	2	185.77	15.15	262.75	53.56	23.66
	3	69.54	21.25	98.02	43.80	36.71
	4	117.45	53.50	52.07	40.84	35.43
	5	141.68	27.06	42.36	129.32	21.32
	6	193.71	27.98	27.76	31.74	52.99
8	1	58.87	50.43	23.49	24.68	36.58
	2	114.17	30.84	32.68	16.94	24.87
	3	85.63	18.65	16.32	13.57	25.97
	4	61.61	11.90	14.74	10.16	18.24
	5	37.72	149.92	54.45	7.53	17.20
	6	552.24	26.04	17.54	9.93	29.87
9	1	220.85	24.96	14.50	9.66	16.39
	2	282.88	16.82	12.65	15.22	29.68
	3	175.78	53.26	18.13	57.15	50.19
	4	71.05	269.82	296.64	32.24	158.45
	5	78.20	120.79	43.70	443.21	69.15
	6	53.32	209.30	29.84	71.88	81.14
10	1	54.77	257.15	50.29	84.89	33.98
	2	177.81	103.05	40.96	63.96	22.02
	3	71.86	52.36	27.22	58.44	17.62
	4	41.89	33.29	21.84	44.25	14.98
	5	30.49	51.46	18.98	29.88	13.55
	6	25.60	29.63	16.15	22.59	11.40
11	1	22.29	24.01	15.32	32.40	10.10
	2	19.43	20.53	16.57	22.98	9.75
	3	115.66	18.53	13.25	27.78	10.01
	4	40.73	17.06	13.61	18.42	11.81
	5	36.29	18.89	13.42	18.34	9.60
	6	24.09	15.00	11.45	15.03	35.25
12	1	20.79	14.56	11.18	14.16	21.87
	2	19.09	12.45	9.69	14.50	14.35
	3	22.77	14.58	9.19	12.51	11.67
	4	16.39	11.93	12.13	13.81	12.07
	5	21.88	12.10	11.67	11.72	9.78
	6	14.24	12.49	9.11	11.19	9.98

古谷本郷地点流量データ (4/4)

単位: m³/s

年 月・半旬	1998 (H10)	1999 (H11)	2000 (H12)	2001 (H13)	2002 (H14)	
1	1	8.75	7.33	9.08	10.44	9.61
	2	9.77	8.38	10.47	14.09	9.72
	3	16.95	7.15	12.37	15.03	8.52
	4	53.56	9.10	11.80	11.82	9.59
	5	32.50	8.79	8.63	12.87	45.47
	6	16.81	9.20	7.97	26.89	60.25
2	1	12.96	7.84	7.56	16.05	26.57
	2	14.20	7.89	9.98	18.01	30.11
	3	21.13	7.70	8.31	14.59	16.89
	4	27.97	7.82	6.91	13.44	12.98
	5	52.88	7.93	5.27	19.41	11.72
	6	66.00	6.49	7.41	16.13	12.04
3	1	115.09	6.87	7.07	52.27	12.35
	2	54.54	5.99	6.99	32.04	13.60
	3	50.10	8.28	6.12	18.33	10.65
	4	31.43	16.81	7.54	16.60	10.45
	5	31.71	15.37	11.10	19.37	10.78
	6	26.40	14.22	11.61	28.94	32.18
4	1	49.72	12.43	7.01	20.68	19.96
	2	134.59	10.49	9.20	18.84	14.73
	3	143.74	259.86	18.14	19.56	20.05
	4	152.65	44.68	23.16	16.68	15.76
	5	59.43	221.19	71.62	14.67	36.22
	6	50.27	135.50	34.75	16.55	17.77
5	1	30.77	70.81	19.59	41.16	15.84
	2	26.54	55.87	14.56	24.20	13.10
	3	22.66	34.23	20.19	17.42	23.29
	4	35.15	27.08	45.54	14.02	29.12
	5	33.75	17.70	26.23	96.19	19.05
	6	61.70	22.17	14.78	61.44	15.26
6	1	39.77	15.31	13.24	35.57	14.18
	2	63.79	14.85	12.25	34.06	11.42
	3	94.37	12.19	77.56	72.97	14.26
	4	64.59	20.63	36.96	99.56	48.94
	5	150.25	19.00	53.20	41.64	20.23
	6	58.98	137.38	49.36	27.96	44.88
7	1	32.37	129.09	74.83	20.68	43.58
	2	34.10	67.13	499.86	15.16	218.88
	3	34.19	591.41	86.94	15.80	658.49
	4	28.48	165.99	48.58	25.91	72.07
	5	50.89	124.09	30.48	17.53	43.82
	6	199.44	44.59	34.78	23.98	31.83
8	1	119.17	40.10	30.76	14.24	47.86
	2	83.79	37.11	92.52	12.30	24.20
	3	37.12	1433.77	177.82	27.23	18.23
	4	25.94	313.21	128.01	17.25	393.32
	5	18.49	108.58	41.01	437.36	126.08
	6	399.77	76.35	27.13	80.30	45.74
9	1	231.86	68.31	23.46	49.74	31.53
	2	93.30	60.62	28.13	750.12	157.88
	3	65.69	62.12	228.79	1057.25	76.34
	4	816.93	61.79	86.86	111.74	57.55
	5	350.30	161.86	110.90	98.61	36.58
	6	375.25	52.02	56.00	66.63	38.41
10	1	261.16	35.49	48.95	88.15	583.99
	2	87.30	27.75	32.80	194.99	82.51
	3	59.38	24.56	23.67	331.57	47.95
	4	220.83	23.19	20.66	95.85	39.74
	5	169.82	19.62	54.90	90.14	83.20
	6	74.75	103.82	30.75	68.36	35.57
11	1	46.90	39.88	58.62	51.61	24.62
	2	31.59	27.32	33.49	67.34	19.91
	3	24.21	22.81	21.27	53.09	16.93
	4	20.02	23.64	33.40	31.96	15.14
	5	16.23	17.96	42.98	23.94	16.76
	6	14.59	16.50	22.45	20.00	19.70
12	1	17.38	14.50	17.45	18.90	14.20
	2	20.55	13.43	14.27	16.60	17.54
	3	13.89	11.78	12.59	15.03	15.62
	4	10.81	14.48	12.06	13.49	12.98
	5	9.03	12.17	11.96	12.23	27.31
	6	9.04	9.95	11.52	11.44	15.04

⑥各ダム地点から各利水基準点までの流下日数の設定値
荒川の利水計算においては流下日数は設定していない。

⑦ダム開発水量を削減する場合、各利水基準点の確保流量の設定値および各既得水利権の取水量の設定値など

確保量の切下げは、維持流量を除く全ての確保量（不特定用水、特定用水）を全地点一律に切下げて計算している。

すなわち、②～④に示した確保量（維持流量を除く）全てが切下げの対象となる。

切下げ後の確保量は以下の式により設定する。

$$\text{切下げ後確保量} = \text{確保量} \times (100 - \text{切下げ率}(\%)) / 100$$

2. 安定供給可能量の計算結果

荒川水系において供給量を開発量の 100%から段階的に削減した場合の計算結果（全計算期間 20 年間のデータ）

①各ダムの半旬別貯水量の計算結果

1. 上流ダム群貯水量

以下の3ケースについて、古谷本郷上流ダム群の貯水量の計算結果及びマスカーブ（貯水池運用曲線）を次に示す。

ケース	切下げ率	備考	対象年
切下げ無し	0.0%	—	—
安全度 4/20	11.5%	20ヶ年中第4位の不足が解消した切下げ率	1985(S60)年
安全度 2/20	28.2%	20ヶ年中第2位の不足が解消した切下げ率	1987(S62)年

※検討期間：1983(S58)年～2002(H14)年の20ヶ年

古谷本郷上流ダム群貯水量(1983年)

単位:千 m^3

年度	月	半旬	切下げ無し	切下げ率11.5%	切下げ率28.2%
			貯水量	貯水量	貯水量
1983	1	1	132,251	136,177	140,920
1983	1	2	130,509	135,117	140,850
1983	1	3	127,747	133,055	139,794
1983	1	4	125,892	131,895	139,642
1983	1	5	122,668	129,365	138,120
1983	1	6	118,535	126,072	136,049
1983	2	1	115,584	123,831	134,837
1983	2	2	111,978	120,946	132,982
1983	2	3	108,051	117,756	130,822
1983	2	4	108,289	118,704	132,801
1983	2	5	106,591	117,722	132,859
1983	2	6	105,504	117,062	132,810
1983	3	1	104,647	116,915	133,695
1983	3	2	101,880	114,879	132,706
1983	3	3	105,038	118,756	137,628
1983	3	4	105,791	120,227	140,139
1983	3	5	106,541	121,692	142,642
1983	3	6	107,145	123,171	145,392
1983	4	1	116,194	132,266	148,925
1983	4	2	122,350	136,210	150,546
1983	4	3	126,352	139,684	152,467
1983	4	4	135,459	146,576	157,267
1983	4	5	138,090	148,882	159,185
1983	4	6	139,138	149,855	159,500
1983	5	1	139,940	150,595	159,789
1983	5	2	140,836	151,422	160,121
1983	5	3	141,422	151,954	160,375
1983	5	4	147,778	154,977	160,700
1983	5	5	149,465	155,670	160,700
1983	5	6	150,642	156,237	160,700
1983	6	1	150,912	156,553	160,700
1983	6	2	149,431	155,827	160,700
1983	6	3	148,634	155,799	160,700
1983	6	4	145,988	154,054	160,263
1983	6	5	150,945	158,299	160,700
1983	6	6	88,100	88,100	88,100
1983	7	1	86,739	86,850	86,850
1983	7	2	85,600	85,600	85,600
1983	7	3	84,150	84,150	84,150
1983	7	4	82,700	82,700	82,700
1983	7	5	81,200	81,200	81,200
1983	7	6	79,700	79,700	79,700
1983	8	1	77,270	78,016	78,188
1983	8	2	74,757	76,245	76,588
1983	8	3	75,525	75,525	75,525
1983	8	4	74,250	74,250	74,250
1983	8	5	73,175	73,175	73,175
1983	8	6	72,100	72,100	72,100
1983	9	1	72,100	72,100	72,100
1983	9	2	73,137	73,137	73,137
1983	9	3	73,543	73,543	73,543
1983	9	4	74,169	74,169	74,169
1983	9	5	76,684	76,684	76,684
1983	9	6	82,100	82,100	82,100
1983	10	1	101,127	101,173	101,181
1983	10	2	108,228	108,320	108,395
1983	10	3	113,380	113,518	113,660
1983	10	4	117,391	117,576	117,786
1983	10	5	119,583	119,814	120,091
1983	10	6	121,701	121,988	122,346
1983	11	1	122,935	123,268	123,693
1983	11	2	124,234	124,613	125,105
1983	11	3	125,226	125,858	126,418
1983	11	4	124,069	125,417	127,015
1983	11	5	123,624	125,687	128,324
1983	11	6	122,283	125,030	128,660
1983	12	1	120,006	123,444	128,076
1983	12	2	116,929	121,067	126,715
1983	12	3	113,807	118,640	125,299
1983	12	4	110,249	115,778	123,447
1983	12	5	106,496	112,721	121,401
1983	12	6	101,646	108,693	118,565

古谷本郷上流ダム群貯水量(1984年)

単位:千 m^3

年度	月	半旬	切下げ無し	切下げ率11.5%	切下げ率28.2%
			貯水量	貯水量	貯水量
1984	1	1	97,591	105,321	116,164
1984	1	2	93,528	101,953	113,787
1984	1	3	89,381	98,513	111,373
1984	1	4	84,939	94,765	108,633
1984	1	5	80,903	91,423	106,299
1984	1	6	75,818	87,196	103,294
1984	2	1	71,862	83,957	101,085
1984	2	2	67,227	80,030	98,188
1984	2	3	62,588	76,101	95,290
1984	2	4	57,827	72,086	92,310
1984	2	5	53,545	68,555	89,867
1984	2	6	50,662	66,262	88,388
1984	3	1	46,418	62,762	85,933
1984	3	2	41,561	58,661	82,930
1984	3	3	36,692	54,547	79,910
1984	3	4	33,289	51,895	78,321
1984	3	5	29,939	49,296	76,803
1984	3	6	25,251	45,482	74,260
1984	4	1	22,465	43,428	73,268
1984	4	2	20,585	42,280	73,183
1984	4	3	17,688	40,114	72,078
1984	4	4	19,001	42,120	75,090
1984	4	5	20,820	44,632	78,608
1984	4	6	18,922	43,474	78,524
1984	5	1	21,038	46,323	82,437
1984	5	2	18,987	44,969	82,096
1984	5	3	16,127	42,822	80,981
1984	5	4	18,753	46,078	85,154
1984	5	5	17,218	45,191	85,206
1984	5	6	14,200	42,915	84,009
1984	6	1	10,780	40,160	82,217
1984	6	2	5,908	36,055	79,209
1984	6	3	1,098	32,049	76,323
1984	6	4	0	26,990	72,573
1984	6	5	1,459	29,471	76,607
1984	6	6	11,652	39,711	77,586
1984	7	1	10,559	39,994	79,216
1984	7	2	11,795	42,357	80,429
1984	7	3	9,300	41,041	80,825
1984	7	4	15,916	48,496	81,510
1984	7	5	26,565	55,245	81,200
1984	7	6	34,885	61,563	79,700
1984	8	1	35,979	61,578	78,166
1984	8	2	35,947	61,116	76,566
1984	8	3	38,447	61,203	75,525
1984	8	4	34,700	58,584	74,250
1984	8	5	28,071	53,257	70,712
1984	8	6	18,413	45,163	64,886
1984	9	1	9,309	37,412	58,998
1984	9	2	0	29,287	52,712
1984	9	3	0	23,561	48,562
1984	9	4	0	22,369	48,951
1984	9	5	74	23,104	50,780
1984	9	6	0	19,995	48,796
1984	10	1	0	17,372	47,124
1984	10	2	0	14,488	45,171
1984	10	3	10,977	25,465	56,148
1984	10	4	18,458	32,992	63,742
1984	10	5	23,386	37,966	68,784
1984	10	6	25,130	39,767	70,665
1984	11	1	24,041	39,345	71,214
1984	11	2	22,210	38,188	71,036
1984	11	3	19,871	36,553	70,422
1984	11	4	19,911	37,309	72,216
1984	11	5	18,408	36,521	72,466
1984	11	6	16,143	34,939	71,878
1984	12	1	12,911	32,398	70,339
1984	12	2	9,868	30,055	69,013
1984	12	3	10,436	31,318	71,286
1984	12	4	10,605	32,184	73,162
1984	12	5	9,267	31,542	73,531
1984	12	6	5,325	28,421	71,602

古谷本郷上流ダム群貯水量(1985年)

単位: 千³m

年度	月	半旬	切下げ無し	切下げ率11.5%	切下げ率28.2%
			貯水量	貯水量	貯水量
1985	1	1	1,570	25,335	69,486
1985	1	2	0	21,757	66,898
1985	1	3	0	17,937	64,083
1985	1	4	0	13,917	61,072
1985	1	5	0	9,706	57,870
1985	1	6	0	4,547	53,932
1985	2	1	0	276	50,690
1985	2	2	5,273	5,595	56,076
1985	2	3	6,729	7,761	59,273
1985	2	4	11,028	12,497	63,295
1985	2	5	12,677	13,138	63,821
1985	2	6	12,798	13,501	64,225
1985	3	1	14,139	14,673	65,465
1985	3	2	14,267	15,523	67,362
1985	3	3	18,529	19,156	70,082
1985	3	4	23,793	24,466	75,460
1985	3	5	28,919	29,639	80,700
1985	3	6	38,969	39,744	90,886
1985	4	1	48,752	49,573	100,770
1985	4	2	58,894	59,716	110,913
1985	4	3	82,861	83,684	128,132
1985	4	4	91,839	92,625	134,361
1985	4	5	100,253	101,021	141,131
1985	4	6	103,970	104,772	144,949
1985	5	1	106,098	106,946	147,191
1985	5	2	107,651	108,546	148,858
1985	5	3	107,881	109,487	150,305
1985	5	4	107,284	109,521	151,255
1985	5	5	108,436	111,320	152,421
1985	5	6	109,689	113,266	153,357
1985	6	1	108,045	112,286	153,341
1985	6	2	105,073	110,070	152,221
1985	6	3	115,690	120,722	155,447
1985	6	4	126,070	127,297	158,082
1985	6	5	135,349	136,576	160,700
1985	6	6	88,100	88,100	88,100
1985	7	1	86,850	86,850	86,850
1985	7	2	85,600	85,600	85,600
1985	7	3	84,150	84,150	84,150
1985	7	4	82,700	82,700	82,700
1985	7	5	81,200	81,200	81,200
1985	7	6	79,700	79,700	79,700
1985	8	1	77,482	78,038	78,210
1985	8	2	72,225	74,165	76,345
1985	8	3	75,269	75,506	75,525
1985	8	4	70,631	72,022	73,678
1985	8	5	63,518	66,211	69,677
1985	8	6	62,716	66,866	72,100
1985	9	1	60,750	66,183	72,100
1985	9	2	57,645	64,327	72,056
1985	9	3	51,412	59,179	68,485
1985	9	4	47,883	56,739	67,625
1985	9	5	51,973	61,582	73,562
1985	9	6	60,097	68,663	74,718
1985	10	1	67,530	75,818	80,545
1985	10	2	70,336	78,027	82,821
1985	10	3	72,201	79,938	84,799
1985	10	4	72,683	81,054	86,228
1985	10	5	71,384	80,414	86,547
1985	10	6	69,682	79,474	86,711
1985	11	1	67,236	77,696	85,904
1985	11	2	73,157	83,663	91,225
1985	11	3	71,254	82,464	91,048
1985	11	4	68,097	80,023	89,645
1985	11	5	65,825	78,466	89,126
1985	11	6	62,316	75,640	87,293
1985	12	1	58,855	72,870	85,526
1985	12	2	55,704	70,419	84,091
1985	12	3	51,844	67,254	81,937
1985	12	4	47,357	63,463	79,156
1985	12	5	42,671	59,473	76,176
1985	12	6	37,106	54,730	72,625

古谷本郷上流ダム群貯水量(1986年)

単位：千³m

年度	月	半旬	切下げ無し	切下げ率11.5%	切下げ率28.2%
			貯水量	貯水量	貯水量
1986	1	1	32,677	50,969	69,836
1986	1	2	27,928	46,903	66,759
1986	1	3	22,911	42,595	63,456
1986	1	4	17,846	38,225	60,094
1986	1	5	12,618	33,717	56,594
1986	1	6	6,301	28,283	52,443
1986	2	1	1,101	23,791	48,980
1986	2	2	0	19,217	45,457
1986	2	3	0	14,259	41,531
1986	2	4	0	9,609	37,911
1986	2	5	0	5,422	34,764
1986	2	6	0	2,701	32,654
1986	3	1	0	0	29,283
1986	3	2	0	0	25,802
1986	3	3	0	0	22,918
1986	3	4	0	0	21,018
1986	3	5	5,247	5,293	26,378
1986	3	6	12,155	12,257	33,423
1986	4	1	15,084	15,918	37,540
1986	4	2	13,119	14,684	37,369
1986	4	3	11,889	14,185	37,931
1986	4	4	11,897	14,887	39,639
1986	4	5	24,472	27,462	52,214
1986	4	6	34,908	37,944	59,805
1986	5	1	37,698	40,578	62,336
1986	5	2	42,884	44,623	66,242
1986	5	3	48,809	50,595	71,646
1986	5	4	55,408	56,671	77,521
1986	5	5	61,877	62,533	83,383
1986	5	6	66,664	67,376	88,308
1986	6	1	69,268	70,026	91,024
1986	6	2	71,689	72,494	93,560
1986	6	3	71,048	72,622	94,804
1986	6	4	71,970	74,445	97,936
1986	6	5	69,421	72,965	98,008
1986	6	6	69,683	71,436	87,952
1986	7	1	74,843	76,314	86,850
1986	7	2	76,012	77,530	85,600
1986	7	3	76,915	78,478	84,150
1986	7	4	77,757	79,367	82,700
1986	7	5	79,698	80,606	81,200
1986	7	6	79,124	79,700	79,700
1986	8	1	78,250	78,250	78,250
1986	8	2	76,800	76,800	76,800
1986	8	3	75,525	75,525	75,525
1986	8	4	74,250	74,250	74,250
1986	8	5	73,175	73,175	73,175
1986	8	6	72,100	72,100	72,100
1986	9	1	72,100	72,100	72,100
1986	9	2	73,950	73,950	73,950
1986	9	3	75,216	75,216	75,216
1986	9	4	76,153	76,153	76,153
1986	9	5	76,767	76,767	76,767
1986	9	6	77,406	77,410	77,410
1986	10	1	83,758	83,809	83,876
1986	10	2	87,337	87,435	87,569
1986	10	3	89,824	89,967	90,170
1986	10	4	91,779	91,969	92,239
1986	10	5	92,563	93,412	94,001
1986	10	6	91,555	93,166	94,859
1986	11	1	89,692	91,971	94,635
1986	11	2	87,196	90,149	93,791
1986	11	3	84,283	87,939	92,603
1986	11	4	80,763	85,135	90,837
1986	11	5	77,022	82,109	88,850
1986	11	6	72,973	78,761	86,494
1986	12	1	68,704	75,183	83,919
1986	12	2	64,072	71,250	81,003
1986	12	3	61,866	69,740	80,503
1986	12	4	66,351	74,921	86,695
1986	12	5	64,802	74,102	86,899
1986	12	6	61,549	71,671	85,660

古谷本郷上流ダム群貯水量(1987年)

単位：千³m

年度	月	半旬	切下げ無し	切下げ率11.5%	切下げ率28.2%
			貯水量	貯水量	貯水量
1987	1	1	57,997	68,787	83,747
1987	1	2	54,289	65,784	81,733
1987	1	3	50,542	62,746	79,701
1987	1	4	46,531	59,438	77,402
1987	1	5	42,163	55,764	74,735
1987	1	6	36,660	51,102	71,295
1987	2	1	32,483	47,639	68,861
1987	2	2	28,514	44,412	66,712
1987	2	3	25,084	41,693	65,023
1987	2	4	20,855	38,174	62,535
1987	2	5	17,022	35,058	60,459
1987	2	6	14,548	33,034	59,055
1987	3	1	9,622	28,853	55,955
1987	3	2	5,097	25,084	53,284
1987	3	3	1,947	22,689	51,934
1987	3	4	0	20,072	50,358
1987	3	5	1,886	22,674	53,997
1987	3	6	0	20,452	53,045
1987	4	1	0	16,427	50,084
1987	4	2	0	12,165	46,884
1987	4	3	0	8,806	44,586
1987	4	4	0	5,633	42,419
1987	4	5	0	2,546	40,338
1987	4	6	0	0	38,228
1987	5	1	0	0	36,184
1987	5	2	0	0	32,616
1987	5	3	0	0	31,160
1987	5	4	0	0	30,784
1987	5	5	0	149	31,670
1987	5	6	0	0	29,543
1987	6	1	0	0	27,180
1987	6	2	0	0	23,925
1987	6	3	0	0	20,879
1987	6	4	0	0	17,609
1987	6	5	0	0	15,431
1987	6	6	0	0	9,665
1987	7	1	0	0	9,020
1987	7	2	0	520	11,121
1987	7	3	0	0	8,298
1987	7	4	6,091	6,769	16,133
1987	7	5	4,118	6,075	17,243
1987	7	6	776	1,761	13,410
1987	8	1	0	0	8,812
1987	8	2	0	0	2,721
1987	8	3	0	0	138
1987	8	4	4,729	5,856	6,553
1987	8	5	5,520	7,861	10,320
1987	8	6	37	3,835	8,408
1987	9	1	3,099	8,180	13,762
1987	9	2	14,082	18,910	20,292
1987	9	3	26,070	28,406	29,787
1987	9	4	35,848	38,109	39,490
1987	9	5	43,599	45,860	47,241
1987	9	6	52,802	54,932	56,052
1987	10	1	59,500	61,676	62,863
1987	10	2	61,991	64,213	65,468
1987	10	3	63,186	65,925	67,247
1987	10	4	67,655	69,970	71,359
1987	10	5	69,762	72,123	73,579
1987	10	6	71,813	74,229	75,767
1987	11	1	74,191	76,654	78,259
1987	11	2	76,833	79,342	81,014
1987	11	3	78,344	80,899	82,638
1987	11	4	78,491	81,762	83,990
1987	11	5	76,449	80,434	83,700
1987	11	6	74,874	79,544	83,803
1987	12	1	71,811	77,171	82,433
1987	12	2	69,676	75,735	82,014
1987	12	3	70,074	76,830	84,119
1987	12	4	68,659	76,110	84,410
1987	12	5	65,835	73,982	83,292
1987	12	6	61,815	70,784	81,286

古谷本郷上流ダム群貯水量(1988年)

単位：千³m

年度	月	半旬	切下げ無し	切下げ率11.5%	切下げ率28.2%
			貯水量	貯水量	貯水量
1988	1	1	58,215	67,853	79,325
1988	1	2	54,698	65,018	77,480
1988	1	3	50,369	61,381	74,849
1988	1	4	45,709	57,415	71,891
1988	1	5	41,722	54,123	69,607
1988	1	6	36,372	49,614	66,319
1988	2	1	31,804	45,755	63,490
1988	2	2	27,072	41,732	60,496
1988	2	3	21,999	37,369	57,164
1988	2	4	16,800	32,880	53,706
1988	2	5	11,605	28,401	50,267
1988	2	6	7,946	25,304	47,985
1988	3	1	3,734	21,802	45,515
1988	3	2	0	17,501	42,260
1988	3	3	0	13,947	39,752
1988	3	4	0	11,352	38,198
1988	3	5	6,750	18,149	45,062
1988	3	6	14,151	25,605	52,599
1988	4	1	16,514	28,052	55,113
1988	4	2	18,978	30,524	57,653
1988	4	3	27,949	39,542	66,737
1988	4	4	33,943	45,582	72,845
1988	4	5	39,138	50,824	78,154
1988	4	6	41,832	54,000	81,398
1988	5	1	42,475	55,376	83,838
1988	5	2	47,457	60,379	87,912
1988	5	3	49,436	63,070	91,138
1988	5	4	50,774	65,039	93,276
1988	5	5	59,696	71,658	99,393
1988	5	6	63,981	75,999	103,629
1988	6	1	69,936	82,000	109,245
1988	6	2	73,745	85,855	112,778
1988	6	3	74,987	87,867	114,818
1988	6	4	77,408	90,715	116,939
1988	6	5	77,930	92,307	118,671
1988	6	6	75,225	80,792	88,100
1988	7	1	76,531	82,103	86,850
1988	7	2	76,489	82,107	85,600
1988	7	3	75,880	81,544	84,150
1988	7	4	76,203	81,914	82,700
1988	7	5	76,049	81,200	81,200
1988	7	6	78,422	79,700	79,700
1988	8	1	78,250	78,250	78,250
1988	8	2	76,800	76,800	76,800
1988	8	3	75,525	75,525	75,525
1988	8	4	74,250	74,250	74,250
1988	8	5	73,175	73,175	73,175
1988	8	6	72,100	72,100	72,100
1988	9	1	72,100	72,100	72,100
1988	9	2	73,950	73,950	73,950
1988	9	3	75,825	75,825	75,825
1988	9	4	77,700	77,700	77,700
1988	9	5	79,900	79,900	79,900
1988	9	6	82,100	82,100	82,100
1988	10	1	100,507	100,507	100,507
1988	10	2	111,106	111,138	111,138
1988	10	3	115,839	115,917	115,984
1988	10	4	119,241	119,365	119,500
1988	10	5	121,283	121,453	121,655
1988	10	6	122,862	123,088	123,371
1988	11	1	123,466	123,875	124,274
1988	11	2	122,801	123,884	124,944
1988	11	3	120,782	122,569	124,650
1988	11	4	119,141	121,643	124,763
1988	11	5	116,908	120,125	124,283
1988	11	6	115,073	118,988	124,140
1988	12	1	112,204	116,810	122,964
1988	12	2	109,088	114,393	121,564
1988	12	3	105,940	111,941	120,123
1988	12	4	102,550	109,247	118,439
1988	12	5	98,508	105,918	116,121
1988	12	6	93,944	102,202	113,596

古谷本郷上流ダム群貯水量(1989年)

単位：千³m

年度	月	半旬	切下げ無し	切下げ率11.5%	切下げ率28.2%
			貯水量	貯水量	貯水量
1989	1	1	90,374	99,301	111,666
1989	1	2	86,425	96,033	109,388
1989	1	3	83,749	94,050	108,410
1989	1	4	80,192	91,187	106,556
1989	1	5	82,744	94,433	110,810
1989	1	6	80,430	92,960	110,558
1989	2	1	77,216	90,460	109,087
1989	2	2	74,495	88,447	108,104
1989	2	3	72,703	87,365	108,053
1989	2	4	73,567	88,940	110,658
1989	2	5	71,691	87,781	110,540
1989	2	6	76,333	92,450	115,249
1989	3	1	80,405	97,232	121,062
1989	3	2	88,036	104,910	127,492
1989	3	3	93,651	109,907	129,665
1989	3	4	95,203	112,064	131,440
1989	3	5	94,947	112,523	132,619
1989	3	6	99,390	115,794	134,594
1989	4	1	100,786	117,679	136,010
1989	4	2	106,752	123,249	139,765
1989	4	3	111,490	127,474	142,629
1989	4	4	116,243	130,693	145,087
1989	4	5	120,393	134,675	148,292
1989	4	6	125,359	138,443	152,127
1989	5	1	128,470	141,296	155,047
1989	5	2	131,493	144,364	158,183
1989	5	3	137,359	150,231	160,700
1989	5	4	140,762	153,679	160,700
1989	5	5	143,179	155,771	160,700
1989	5	6	150,010	158,225	160,700
1989	6	1	152,159	159,246	160,700
1989	6	2	153,096	160,007	160,700
1989	6	3	153,664	160,622	160,700
1989	6	4	156,395	160,700	160,700
1989	6	5	158,795	160,700	160,700
1989	6	6	88,100	88,100	88,100
1989	7	1	86,850	86,850	86,850
1989	7	2	85,600	85,600	85,600
1989	7	3	84,150	84,150	84,150
1989	7	4	82,700	82,700	82,700
1989	7	5	81,200	81,200	81,200
1989	7	6	79,700	79,700	79,700
1989	8	1	78,250	78,250	78,250
1989	8	2	76,800	76,800	76,800
1989	8	3	75,525	75,525	75,525
1989	8	4	74,250	74,250	74,250
1989	8	5	73,175	73,175	73,175
1989	8	6	72,100	72,100	72,100
1989	9	1	72,100	72,100	72,100
1989	9	2	73,950	73,950	73,950
1989	9	3	75,825	75,825	75,825
1989	9	4	77,700	77,700	77,700
1989	9	5	79,900	79,900	79,900
1989	9	6	82,100	82,100	82,100
1989	10	1	91,606	91,638	91,638
1989	10	2	106,717	106,749	106,749
1989	10	3	123,737	123,769	123,769
1989	10	4	130,319	130,362	130,362
1989	10	5	134,469	134,558	134,617
1989	10	6	137,959	138,103	138,243
1989	11	1	139,771	139,962	140,169
1989	11	2	141,118	141,354	141,629
1989	11	3	141,811	142,340	142,683
1989	11	4	142,460	143,031	143,440
1989	11	5	141,787	143,072	143,989
1989	11	6	141,185	143,154	144,407
1989	12	1	139,443	142,103	144,359
1989	12	2	137,208	140,568	143,840
1989	12	3	135,136	139,192	143,475
1989	12	4	132,826	137,578	142,871
1989	12	5	130,378	135,826	142,129
1989	12	6	127,809	134,079	141,575

古谷本郷上流ダム群貯水量(1990年)

単位：千³m

年度	月	半旬	切下げ無し	切下げ率11.5%	切下げ率28.2%
			貯水量	貯水量	貯水量
1990	1	1	124,646	131,584	140,050
1990	1	2	120,986	128,606	138,062
1990	1	3	117,299	125,612	136,073
1990	1	4	113,890	122,896	134,366
1990	1	5	110,493	120,219	132,697
1990	1	6	105,662	116,288	130,004
1990	2	1	102,937	114,280	129,025
1990	2	2	102,259	114,346	130,120
1990	2	3	99,888	112,685	129,490
1990	2	4	98,830	112,337	130,173
1990	2	5	98,315	112,539	131,415
1990	2	6	100,657	115,302	134,790
1990	3	1	107,918	122,609	141,870
1990	3	2	111,916	127,329	147,424
1990	3	3	112,607	128,740	148,577
1990	3	4	111,878	128,728	149,478
1990	3	5	110,719	128,284	150,072
1990	3	6	110,286	128,727	150,917
1990	4	1	117,577	136,063	152,394
1990	4	2	119,374	138,592	153,292
1990	4	3	120,321	140,271	154,134
1990	4	4	129,711	144,504	156,902
1990	4	5	136,919	148,238	160,322
1990	4	6	139,103	150,469	160,700
1990	5	1	140,324	151,736	160,700
1990	5	2	141,501	152,960	160,700
1990	5	3	142,437	153,941	160,700
1990	5	4	143,200	154,751	160,700
1990	5	5	143,410	155,344	160,700
1990	5	6	142,352	155,028	160,700
1990	6	1	140,997	154,337	160,700
1990	6	2	138,388	152,483	159,943
1990	6	3	137,380	152,244	160,700
1990	6	4	134,401	150,166	159,762
1990	6	5	127,921	144,844	156,121
1990	6	6	84,820	88,100	88,100
1990	7	1	76,793	81,553	83,703
1990	7	2	71,179	77,168	81,103
1990	7	3	67,791	75,062	80,859
1990	7	4	61,364	69,897	77,525
1990	7	5	53,018	62,978	72,677
1990	7	6	44,719	56,034	68,250
1990	8	1	33,615	45,971	59,816
1990	8	2	59,535	68,682	71,946
1990	8	3	69,116	73,625	74,331
1990	8	4	67,275	72,105	72,969
1990	8	5	60,704	66,837	69,590
1990	8	6	52,216	59,565	64,306
1990	9	1	43,394	51,918	58,496
1990	9	2	36,281	45,949	54,271
1990	9	3	42,367	52,641	61,841
1990	9	4	57,895	68,169	76,849
1990	9	5	64,998	75,143	79,386
1990	9	6	81,137	81,492	82,100
1990	10	1	114,792	115,148	115,756
1990	10	2	126,957	127,313	127,921
1990	10	3	133,561	133,944	134,222
1990	10	4	137,422	137,852	137,919
1990	10	5	139,913	140,389	140,524
1990	10	6	142,828	143,359	143,575
1990	11	1	145,851	146,428	146,711
1990	11	2	149,378	150,002	150,352
1990	11	3	151,511	152,181	152,598
1990	11	4	152,641	153,308	153,308
1990	11	5	153,410	153,865	153,865
1990	11	6	158,486	158,842	158,842
1990	12	1	160,700	160,700	160,700
1990	12	2	160,700	160,700	160,700
1990	12	3	160,700	160,700	160,700
1990	12	4	160,700	160,700	160,700
1990	12	5	160,700	160,700	160,700
1990	12	6	160,700	160,700	160,700

古谷本郷上流ダム群貯水量(1991年)

単位：千³m

年度	月	半旬	切下げ無し	切下げ率11.5%	切下げ率28.2%
			貯水量	貯水量	貯水量
1991	1	1	160,557	160,590	160,640
1991	1	2	159,884	160,349	160,448
1991	1	3	158,908	160,080	160,322
1991	1	4	156,898	158,764	160,014
1991	1	5	158,758	160,103	160,300
1991	1	6	156,555	158,757	160,095
1991	2	1	153,605	156,516	158,884
1991	2	2	150,707	154,326	157,724
1991	2	3	147,895	152,225	156,653
1991	2	4	151,988	156,325	160,022
1991	2	5	149,883	154,951	159,708
1991	2	6	148,606	154,103	159,484
1991	3	1	144,889	151,110	157,542
1991	3	2	141,290	148,247	155,747
1991	3	3	138,151	145,841	154,406
1991	3	4	134,253	142,674	152,300
1991	3	5	144,747	151,632	156,944
1991	3	6	150,774	158,339	159,715
1991	4	1	156,433	159,377	160,056
1991	4	2	159,496	159,990	160,670
1991	4	3	159,760	160,254	160,700
1991	4	4	159,924	160,418	160,700
1991	4	5	159,933	160,478	160,700
1991	4	6	159,754	160,412	160,683
1991	5	1	158,373	159,778	160,513
1991	5	2	157,252	159,368	160,343
1991	5	3	156,682	159,510	160,326
1991	5	4	155,701	159,160	160,443
1991	5	5	153,790	157,896	160,119
1991	5	6	152,327	157,176	160,476
1991	6	1	155,193	160,450	160,700
1991	6	2	154,174	160,186	160,700
1991	6	3	153,162	159,942	160,700
1991	6	4	154,718	160,700	160,700
1991	6	5	159,561	160,700	160,700
1991	6	6	88,100	88,100	88,100
1991	7	1	86,850	86,850	86,850
1991	7	2	85,600	85,600	85,600
1991	7	3	84,150	84,150	84,150
1991	7	4	82,700	82,700	82,700
1991	7	5	80,182	81,120	81,200
1991	7	6	73,852	76,524	78,994
1991	8	1	77,681	78,162	78,250
1991	8	2	76,611	76,800	76,800
1991	8	3	75,525	75,525	75,525
1991	8	4	74,250	74,250	74,250
1991	8	5	73,175	73,175	73,175
1991	8	6	72,100	72,100	72,100
1991	9	1	72,100	72,100	72,100
1991	9	2	73,950	73,950	73,950
1991	9	3	75,825	75,825	75,825
1991	9	4	77,700	77,700	77,700
1991	9	5	79,900	79,900	79,900
1991	9	6	82,100	82,100	82,100
1991	10	1	109,613	109,613	109,613
1991	10	2	127,316	127,316	127,316
1991	10	3	160,700	160,700	160,700
1991	10	4	160,700	160,700	160,700
1991	10	5	160,700	160,700	160,700
1991	10	6	160,700	160,700	160,700
1991	11	1	160,700	160,700	160,700
1991	11	2	160,700	160,700	160,700
1991	11	3	160,700	160,700	160,700
1991	11	4	160,700	160,700	160,700
1991	11	5	160,700	160,700	160,700
1991	11	6	160,700	160,700	160,700
1991	12	1	160,700	160,700	160,700
1991	12	2	160,700	160,700	160,700
1991	12	3	160,023	160,700	160,700
1991	12	4	158,372	159,758	160,530
1991	12	5	156,831	158,913	160,447
1991	12	6	157,066	159,971	160,504

古谷本郷上流ダム群貯水量(1992年)

単位：千m³

年度	月	半旬	切下げ無し	切下げ率11.5%	切下げ率28.2%
			貯水量	貯水量	貯水量
1992	1	1	155,305	158,891	160,313
1992	1	2	154,473	158,755	160,186
1992	1	3	152,412	157,400	159,857
1992	1	4	150,714	156,411	159,803
1992	1	5	149,993	156,398	159,611
1992	1	6	146,754	154,017	158,452
1992	2	1	146,882	154,867	159,294
1992	2	2	145,286	153,993	159,102
1992	2	3	142,119	151,551	157,711
1992	2	4	137,823	147,979	155,190
1992	2	5	133,927	144,814	153,085
1992	2	6	131,015	142,474	151,576
1992	3	1	128,702	140,871	151,005
1992	3	2	127,447	140,338	151,519
1992	3	3	125,192	138,803	151,028
1992	3	4	125,962	140,290	153,556
1992	3	5	133,957	148,331	158,278
1992	3	6	146,099	158,581	159,825
1992	4	1	153,813	159,501	160,279
1992	4	2	159,075	159,985	160,700
1992	4	3	160,001	160,547	160,700
1992	4	4	160,364	160,700	160,700
1992	4	5	160,632	160,700	160,700
1992	4	6	160,700	160,700	160,700
1992	5	1	160,700	160,700	160,700
1992	5	2	160,308	160,700	160,700
1992	5	3	160,700	160,700	160,700
1992	5	4	160,700	160,700	160,700
1992	5	5	160,700	160,700	160,700
1992	5	6	160,700	160,700	160,700
1992	6	1	160,700	160,700	160,700
1992	6	2	160,700	160,700	160,700
1992	6	3	160,700	160,700	160,700
1992	6	4	160,700	160,700	160,700
1992	6	5	160,700	160,700	160,700
1992	6	6	88,100	88,100	88,100
1992	7	1	86,850	86,850	86,850
1992	7	2	85,600	85,600	85,600
1992	7	3	84,150	84,150	84,150
1992	7	4	82,700	82,700	82,700
1992	7	5	81,200	81,200	81,200
1992	7	6	79,700	79,700	79,700
1992	8	1	78,250	78,250	78,250
1992	8	2	76,800	76,800	76,800
1992	8	3	75,525	75,525	75,525
1992	8	4	74,250	74,250	74,250
1992	8	5	73,175	73,175	73,175
1992	8	6	72,100	72,100	72,100
1992	9	1	67,706	68,989	70,852
1992	9	2	61,046	63,577	67,253
1992	9	3	55,012	58,702	63,954
1992	9	4	49,332	54,185	61,038
1992	9	5	45,904	51,583	59,618
1992	9	6	47,165	53,620	62,780
1992	10	1	49,680	56,790	66,901
1992	10	2	66,874	73,984	84,094
1992	10	3	78,834	85,522	93,342
1992	10	4	90,864	97,194	105,015
1992	10	5	105,072	111,403	119,223
1992	10	6	108,516	115,031	123,119
1992	11	1	111,599	118,160	126,316
1992	11	2	114,358	120,965	129,188
1992	11	3	116,360	123,014	131,304
1992	11	4	119,201	125,901	134,259
1992	11	5	124,457	131,203	139,285
1992	11	6	126,645	133,164	141,254
1992	12	1	128,484	134,954	143,111
1992	12	2	131,434	137,596	144,972
1992	12	3	132,616	138,824	146,268
1992	12	4	132,548	139,453	147,442
1992	12	5	132,027	139,627	148,470
1992	12	6	130,003	138,424	148,460

古谷本郷上流ダム群貯水量(1993年)

単位：千³m

年度	月	半旬	切下げ無し	切下げ率11.5%	切下げ率28.2%
			貯水量	貯水量	貯水量
1993	1	1	128,235	137,325	148,331
1993	1	2	127,677	137,449	149,445
1993	1	3	126,227	136,692	149,693
1993	1	4	126,697	137,856	151,527
1993	1	5	125,987	137,840	152,028
1993	1	6	132,413	143,923	152,935
1993	2	1	130,772	142,990	153,032
1993	2	2	129,969	142,896	153,967
1993	2	3	127,563	141,201	153,302
1993	2	4	126,665	141,013	154,145
1993	2	5	126,707	141,772	155,945
1993	2	6	125,574	141,060	155,844
1993	3	1	123,209	139,405	155,220
1993	3	2	120,961	137,879	154,742
1993	3	3	118,110	135,747	153,654
1993	3	4	115,286	133,640	152,588
1993	3	5	112,024	131,108	151,115
1993	3	6	109,467	129,425	150,702
1993	4	1	107,998	128,688	151,028
1993	4	2	106,508	127,930	151,332
1993	4	3	104,159	126,312	150,775
1993	4	4	100,890	123,750	149,240
1993	4	5	99,069	122,636	149,152
1993	4	6	96,419	120,726	148,316
1993	5	1	96,652	121,692	150,346
1993	5	2	96,264	122,002	151,668
1993	5	3	107,209	132,993	156,604
1993	5	4	112,993	139,408	160,700
1993	5	5	113,786	140,848	160,700
1993	5	6	112,272	140,076	160,700
1993	6	1	109,448	137,917	159,505
1993	6	2	106,999	136,223	158,907
1993	6	3	105,537	135,530	159,331
1993	6	4	101,253	132,148	157,257
1993	6	5	111,028	141,968	160,700
1993	6	6	88,035	88,100	88,100
1993	7	1	86,850	86,850	86,850
1993	7	2	85,600	85,600	85,600
1993	7	3	84,150	84,150	84,150
1993	7	4	82,700	82,700	82,700
1993	7	5	81,200	81,200	81,200
1993	7	6	79,700	79,700	79,700
1993	8	1	78,250	78,250	78,250
1993	8	2	76,800	76,800	76,800
1993	8	3	75,525	75,525	75,525
1993	8	4	74,250	74,250	74,250
1993	8	5	73,175	73,175	73,175
1993	8	6	72,100	72,100	72,100
1993	9	1	72,100	72,100	72,100
1993	9	2	73,950	73,950	73,950
1993	9	3	75,825	75,825	75,825
1993	9	4	77,700	77,700	77,700
1993	9	5	79,900	79,900	79,900
1993	9	6	80,773	80,773	80,773
1993	10	1	88,529	88,575	88,643
1993	10	2	103,122	103,168	103,236
1993	10	3	111,039	111,131	111,241
1993	10	4	115,137	115,275	115,452
1993	10	5	118,124	118,309	118,553
1993	10	6	120,948	121,188	121,513
1993	11	1	122,606	123,060	123,452
1993	11	2	122,982	124,111	125,046
1993	11	3	131,362	131,741	132,268
1993	11	4	133,763	134,188	134,783
1993	11	5	136,064	136,535	137,197
1993	11	6	137,561	138,079	138,808
1993	12	1	138,377	139,586	140,492
1993	12	2	138,380	140,288	141,664
1993	12	3	140,006	141,955	142,886
1993	12	4	138,875	141,520	143,462
1993	12	5	140,116	143,457	144,630
1993	12	6	137,765	141,928	144,293

古谷本郷上流ダム群貯水量(1994年)

単位：千³m

年度	月	半旬	切下げ無し	切下げ率11.5%	切下げ率28.2%
			貯水量	貯水量	貯水量
1994	1	1	134,969	139,800	143,137
1994	1	2	132,200	137,712	142,038
1994	1	3	129,843	136,048	141,380
1994	1	4	128,589	135,488	141,828
1994	1	5	126,298	133,892	141,240
1994	1	6	122,486	130,920	139,490
1994	2	1	118,983	128,139	137,738
1994	2	2	115,531	125,418	136,047
1994	2	3	112,179	122,781	134,440
1994	2	4	108,918	120,265	132,963
1994	2	5	114,381	125,774	138,540
1994	2	6	113,601	125,414	138,791
1994	3	1	111,461	124,019	138,431
1994	3	2	112,906	126,186	141,646
1994	3	3	115,476	129,476	145,981
1994	3	4	114,298	129,015	146,560
1994	3	5	120,050	134,814	150,093
1994	3	6	122,876	138,174	151,324
1994	4	1	123,815	139,628	152,604
1994	4	2	124,741	141,160	153,946
1994	4	3	125,546	142,709	155,504
1994	4	4	125,362	143,232	155,462
1994	4	5	125,485	143,813	155,300
1994	4	6	124,332	143,439	155,095
1994	5	1	122,700	142,589	154,872
1994	5	2	120,607	141,242	154,606
1994	5	3	120,923	142,287	154,723
1994	5	4	124,162	146,157	154,873
1994	5	5	123,185	145,861	154,921
1994	5	6	131,689	148,541	155,801
1994	6	1	132,339	148,723	156,051
1994	6	2	131,385	148,524	156,207
1994	6	3	133,457	148,874	156,375
1994	6	4	139,651	149,173	156,741
1994	6	5	140,477	149,113	156,905
1994	6	6	88,100	88,100	88,100
1994	7	1	81,506	82,999	85,149
1994	7	2	75,548	78,305	82,249
1994	7	3	71,965	76,004	81,810
1994	7	4	77,739	79,704	82,063
1994	7	5	75,565	78,956	80,523
1994	7	6	73,431	78,438	79,334
1994	8	1	76,577	77,451	78,160
1994	8	2	75,234	75,855	76,736
1994	8	3	69,138	71,209	74,136
1994	8	4	62,320	65,518	70,081
1994	8	5	68,427	70,115	73,175
1994	8	6	66,671	69,816	72,100
1994	9	1	64,139	68,567	72,100
1994	9	2	58,254	64,018	69,413
1994	9	3	65,257	70,290	71,624
1994	9	4	77,700	77,700	77,700
1994	9	5	78,275	78,275	78,275
1994	9	6	82,100	82,100	82,100
1994	10	1	118,209	118,209	118,209
1994	10	2	126,996	126,996	126,996
1994	10	3	132,020	132,020	132,020
1994	10	4	135,928	135,975	135,995
1994	10	5	140,510	140,593	140,613
1994	10	6	144,406	144,544	144,636
1994	11	1	145,808	145,808	145,808
1994	11	2	146,472	146,472	146,472
1994	11	3	146,198	146,901	147,003
1994	11	4	145,188	146,607	147,404
1994	11	5	144,972	147,106	147,759
1994	11	6	143,346	146,164	147,810
1994	12	1	141,471	144,979	147,628
1994	12	2	138,605	142,814	146,478
1994	12	3	136,693	141,597	146,272
1994	12	4	133,636	139,236	144,921
1994	12	5	130,652	136,948	143,644
1994	12	6	127,394	134,512	142,400

古谷本郷上流ダム群貯水量(1995年)

単位：千³m

年度	月	半旬	切下げ無し	切下げ率11.5%	切下げ率28.2%
			貯水量	貯水量	貯水量
1995	1	1	126,110	133,896	142,755
1995	1	2	124,169	132,638	142,486
1995	1	3	121,147	130,308	141,162
1995	1	4	117,712	127,567	139,429
1995	1	5	114,838	125,387	138,257
1995	1	6	110,686	122,093	136,209
1995	2	1	106,568	118,698	133,863
1995	2	2	102,359	115,211	131,427
1995	2	3	98,731	112,293	129,539
1995	2	4	94,764	109,050	127,347
1995	2	5	90,495	105,498	124,835
1995	2	6	88,060	103,485	123,433
1995	3	1	85,570	101,705	122,685
1995	3	2	82,454	99,310	121,338
1995	3	3	81,615	99,191	122,263
1995	3	4	81,880	100,173	124,286
1995	3	5	80,405	99,414	124,565
1995	3	6	89,040	108,104	133,336
1995	4	1	94,621	114,417	140,711
1995	4	2	95,831	116,358	143,716
1995	4	3	96,882	118,140	146,456
1995	4	4	98,367	120,319	148,438
1995	4	5	99,435	122,080	150,324
1995	4	6	99,455	122,840	151,926
1995	5	1	102,452	126,570	153,749
1995	5	2	104,294	129,109	154,957
1995	5	3	112,457	136,623	155,696
1995	5	4	121,666	141,852	157,666
1995	5	5	125,920	144,316	158,543
1995	5	6	128,199	146,500	159,170
1995	6	1	129,208	148,073	159,572
1995	6	2	132,909	150,425	160,505
1995	6	3	138,063	153,365	160,700
1995	6	4	142,820	155,162	160,700
1995	6	5	145,522	156,082	160,700
1995	6	6	88,100	88,100	88,100
1995	7	1	86,850	86,850	86,850
1995	7	2	85,600	85,600	85,600
1995	7	3	84,150	84,150	84,150
1995	7	4	82,700	82,700	82,700
1995	7	5	81,200	81,200	81,200
1995	7	6	78,868	79,551	79,700
1995	8	1	74,687	76,842	78,144
1995	8	2	74,395	76,095	76,587
1995	8	3	67,140	70,289	72,886
1995	8	4	61,346	65,711	70,058
1995	8	5	67,283	71,244	72,975
1995	8	6	60,905	66,428	70,384
1995	9	1	53,542	60,437	66,384
1995	9	2	45,826	53,846	61,735
1995	9	3	42,233	51,101	60,630
1995	9	4	63,566	68,533	75,615
1995	9	5	71,233	76,082	79,539
1995	9	6	74,145	79,134	80,889
1995	10	1	82,096	87,131	88,941
1995	10	2	86,816	91,897	93,766
1995	10	3	90,190	95,341	97,278
1995	10	4	91,955	97,740	100,418
1995	10	5	92,259	98,703	102,339
1995	10	6	91,423	98,628	103,369
1995	11	1	90,070	97,944	103,655
1995	11	2	89,211	97,759	104,448
1995	11	3	86,656	95,908	103,618
1995	11	4	84,156	94,123	102,872
1995	11	5	81,577	92,259	102,046
1995	11	6	78,417	89,783	100,564
1995	12	1	75,082	87,138	98,922
1995	12	2	71,024	83,780	96,580
1995	12	3	66,783	80,235	94,045
1995	12	4	63,812	77,961	92,781
1995	12	5	60,643	75,487	91,318
1995	12	6	55,615	71,297	88,321

古谷本郷上流ダム群貯水量(1996年)

単位: 千³m

年度	月	半旬	切下げ無し	切下げ率11.5%	切下げ率28.2%
			貯水量	貯水量	貯水量
1996	1	1	50,696	67,061	85,056
1996	1	2	45,486	62,376	81,362
1996	1	3	39,963	57,350	77,361
1996	1	4	34,441	52,522	73,542
1996	1	5	28,664	47,334	69,363
1996	1	6	21,679	40,982	64,233
1996	2	1	15,636	35,452	59,753
1996	2	2	9,592	29,922	55,274
1996	2	3	3,471	24,316	50,719
1996	2	4	0	19,021	46,334
1996	2	5	0	13,488	41,688
1996	2	6	0	9,855	38,765
1996	3	1	0	4,910	34,698
1996	3	2	0	0	30,297
1996	3	3	0	0	25,931
1996	3	4	0	0	23,672
1996	3	5	0	0	20,171
1996	3	6	0	0	18,706
1996	4	1	0	0	18,928
1996	4	2	0	0	17,184
1996	4	3	0	0	14,543
1996	4	4	4,333	5,026	20,310
1996	4	5	2,208	3,594	19,884
1996	4	6	0	1,304	18,668
1996	5	1	0	2,019	20,447
1996	5	2	4,999	7,716	26,823
1996	5	3	5,475	8,903	29,043
1996	5	4	3,837	7,896	28,952
1996	5	5	2,202	6,814	28,810
1996	5	6	0	3,170	26,056
1996	6	1	0	0	22,882
1996	6	2	0	0	18,927
1996	6	3	0	0	16,266
1996	6	4	0	0	12,480
1996	6	5	0	0	6,342
1996	6	6	0	0	3,727
1996	7	1	0	0	0
1996	7	2	6,754	6,923	7,058
1996	7	3	12,366	12,702	13,008
1996	7	4	14,900	15,283	15,656
1996	7	5	25,694	26,123	26,563
1996	7	6	25,509	27,554	30,340
1996	8	1	22,017	25,484	30,265
1996	8	2	14,882	19,831	26,763
1996	8	3	6,483	12,881	21,917
1996	8	4	0	6,193	16,993
1996	8	5	0	0	10,370
1996	8	6	0	0	3,720
1996	9	1	0	0	0
1996	9	2	0	0	0
1996	9	3	11,114	11,160	11,227
1996	9	4	13,417	14,551	16,200
1996	9	5	41,844	42,337	42,472
1996	9	6	47,235	47,463	47,666
1996	10	1	55,596	55,871	56,140
1996	10	2	64,239	64,560	64,896
1996	10	3	70,224	70,592	70,996
1996	10	4	73,445	73,858	74,330
1996	10	5	75,037	75,497	76,036
1996	10	6	76,481	76,996	77,616
1996	11	1	78,307	78,868	79,556
1996	11	2	79,683	80,291	81,045
1996	11	3	80,917	81,571	82,393
1996	11	4	80,494	81,864	83,352
1996	11	5	80,041	82,125	84,250
1996	11	6	78,428	81,196	84,314
1996	12	1	76,380	79,839	83,959
1996	12	2	74,400	78,559	83,695
1996	12	3	71,593	76,448	82,595
1996	12	4	69,348	74,899	82,056
1996	12	5	66,174	72,447	80,614
1996	12	6	62,175	69,311	78,696

古谷本郷上流ダム群貯水量(1997年)

単位：千³m

年度	月	半旬	切下げ無し	切下げ率11.5%	切下げ率28.2%
			貯水量	貯水量	貯水量
1997	1	1	58,869	66,708	77,099
1997	1	2	56,333	64,888	76,303
1997	1	3	52,728	62,010	74,481
1997	1	4	49,106	59,117	72,647
1997	1	5	44,945	55,684	70,273
1997	1	6	39,971	51,593	67,464
1997	2	1	34,654	47,019	63,970
1997	2	2	29,008	42,117	60,148
1997	2	3	23,332	37,186	56,298
1997	2	4	18,606	33,205	53,398
1997	2	5	12,795	28,145	49,429
1997	2	6	9,420	25,211	47,137
1997	3	1	4,122	20,658	43,665
1997	3	2	0	15,598	39,704
1997	3	3	0	10,412	35,612
1997	3	4	0	7,778	34,041
1997	3	5	0	4,362	31,710
1997	3	6	0	3,788	32,407
1997	4	1	0	2,801	32,482
1997	4	2	17,136	19,983	49,731
1997	4	3	19,198	22,776	53,585
1997	4	4	18,277	22,548	54,364
1997	4	5	16,157	21,142	53,964
1997	4	6	12,803	18,563	52,472
1997	5	1	9,393	15,921	50,916
1997	5	2	6,684	13,807	49,845
1997	5	3	3,995	11,711	48,799
1997	5	4	3,685	11,914	49,935
1997	5	5	12,634	20,909	58,998
1997	5	6	24,892	33,223	71,392
1997	6	1	26,566	35,561	74,075
1997	6	2	26,199	35,949	74,990
1997	6	3	32,099	42,363	80,778
1997	6	4	45,919	54,905	87,689
1997	6	5	58,713	67,745	96,726
1997	6	6	56,495	61,572	70,416
1997	7	1	54,960	60,437	69,511
1997	7	2	53,028	59,132	68,453
1997	7	3	55,295	57,645	67,212
1997	7	4	53,779	56,298	66,112
1997	7	5	48,994	52,939	64,548
1997	7	6	51,859	54,598	64,586
1997	8	1	50,668	53,571	63,598
1997	8	2	47,046	51,432	62,409
1997	8	3	44,272	50,018	61,615
1997	8	4	40,192	47,066	60,299
1997	8	5	34,909	42,997	57,992
1997	8	6	35,139	44,683	58,229
1997	9	1	28,905	39,732	54,860
1997	9	2	28,712	40,514	54,596
1997	9	3	35,321	43,737	58,173
1997	9	4	46,170	53,942	65,675
1997	9	5	51,811	59,520	69,273
1997	9	6	59,284	64,301	74,033
1997	10	1	65,235	70,298	80,097
1997	10	2	67,015	72,554	82,421
1997	10	3	66,828	73,016	83,824
1997	10	4	65,629	72,452	84,179
1997	10	5	63,587	71,069	83,755
1997	10	6	60,289	68,532	82,322
1997	11	1	56,680	65,592	80,353
1997	11	2	52,862	62,461	78,200
1997	11	3	48,891	59,210	75,971
1997	11	4	45,613	56,647	74,446
1997	11	5	41,375	53,133	71,971
1997	11	6	48,497	60,939	80,770
1997	12	1	49,780	62,913	83,746
1997	12	2	47,735	61,568	83,417
1997	12	3	44,501	59,064	81,954
1997	12	4	41,469	56,763	80,663
1997	12	5	37,405	53,430	78,384
1997	12	6	32,748	49,635	75,838

古谷本郷上流ダム群貯水量(1998年)

単位：千 m^3

年度	月	半旬	切下げ無し	切下げ率11.5%	切下げ率28.2%
			貯水量	貯水量	貯水量
1998	1	1	28,457	46,047	73,272
1998	1	2	24,521	42,828	71,076
1998	1	3	23,633	42,663	71,917
1998	1	4	29,213	48,288	77,610
1998	1	5	34,028	53,150	82,539
1998	1	6	32,761	52,765	83,412
1998	2	1	29,970	50,718	82,425
1998	2	2	27,711	49,203	81,973
1998	2	3	28,507	50,708	84,509
1998	2	4	32,257	55,169	87,679
1998	2	5	39,521	61,028	90,738
1998	2	6	43,074	62,608	92,357
1998	3	1	46,662	66,242	96,059
1998	3	2	49,153	68,779	98,664
1998	3	3	52,184	71,856	101,808
1998	3	4	54,826	74,545	104,564
1998	3	5	58,734	78,499	108,585
1998	3	6	62,221	82,861	113,536
1998	4	1	68,959	88,826	119,060
1998	4	2	86,047	103,968	128,382
1998	4	3	98,283	114,479	137,903
1998	4	4	107,423	123,562	142,649
1998	4	5	111,607	127,317	143,656
1998	4	6	114,383	129,742	144,325
1998	5	1	116,308	131,675	144,748
1998	5	2	117,624	132,686	145,045
1998	5	3	118,616	132,839	145,265
1998	5	4	119,815	133,181	145,675
1998	5	5	120,803	133,464	146,025
1998	5	6	123,984	134,004	146,646
1998	6	1	125,485	134,217	146,927
1998	6	2	126,470	134,646	147,423
1998	6	3	127,271	135,494	148,338
1998	6	4	128,168	136,437	149,349
1998	6	5	129,838	138,154	151,133
1998	6	6	80,954	88,100	88,100
1998	7	1	80,104	86,850	86,850
1998	7	2	79,102	85,600	85,600
1998	7	3	77,695	84,119	84,150
1998	7	4	76,479	82,700	82,700
1998	7	5	75,695	81,200	81,200
1998	7	6	76,687	79,700	79,700
1998	8	1	76,630	78,250	78,250
1998	8	2	76,358	76,800	76,800
1998	8	3	75,525	75,525	75,525
1998	8	4	74,250	74,250	74,250
1998	8	5	69,524	70,738	72,500
1998	8	6	72,100	72,100	72,100
1998	9	1	72,100	72,100	72,100
1998	9	2	73,888	73,888	73,888
1998	9	3	75,825	75,825	75,825
1998	9	4	77,700	77,700	77,700
1998	9	5	79,900	79,900	79,900
1998	9	6	82,100	82,100	82,100
1998	10	1	109,228	109,228	109,228
1998	10	2	113,931	113,977	114,045
1998	10	3	117,009	117,102	117,237
1998	10	4	126,412	126,524	126,659
1998	10	5	136,001	136,159	136,309
1998	10	6	140,854	141,067	141,299
1998	11	1	142,552	142,812	143,111
1998	11	2	143,397	143,703	144,069
1998	11	3	144,095	144,447	144,881
1998	11	4	144,364	145,002	145,503
1998	11	5	142,999	144,352	145,891
1998	11	6	141,192	143,233	145,765
1998	12	1	140,535	143,266	146,586
1998	12	2	141,117	144,583	146,810
1998	12	3	138,781	142,977	146,266
1998	12	4	135,119	140,046	144,395
1998	12	5	130,757	136,414	141,791
1998	12	6	125,710	132,189	138,759

古谷本郷上流ダム群貯水量(1999年)

単位：千³m

年度	月	半旬	切下げ無し	切下げ率11.5%	切下げ率28.2%
			貯水量	貯水量	貯水量
1999	1	1	120,906	128,053	135,593
1999	1	2	116,438	124,267	132,797
1999	1	3	111,299	119,856	129,404
1999	1	4	106,943	116,229	126,836
1999	1	5	102,410	112,424	124,090
1999	1	6	97,233	108,104	121,016
1999	2	1	92,202	103,809	117,770
1999	2	2	87,141	99,506	114,547
1999	2	3	82,014	95,123	111,245
1999	2	4	76,947	90,801	108,005
1999	2	5	71,876	86,481	104,769
1999	2	6	68,510	83,565	102,499
1999	3	1	62,971	78,785	98,821
1999	3	2	56,954	73,538	94,692
1999	3	3	51,996	69,334	91,584
1999	3	4	50,865	68,921	92,211
1999	3	5	49,127	67,898	92,226
1999	3	6	46,299	65,945	91,544
1999	4	1	43,146	63,524	90,185
1999	4	2	39,104	60,227	87,951
1999	4	3	61,421	82,544	110,268
1999	4	4	68,746	89,915	117,707
1999	4	5	83,632	104,811	129,173
1999	4	6	96,334	114,730	138,800
1999	5	1	101,344	119,785	143,443
1999	5	2	104,301	122,789	146,126
1999	5	3	106,459	124,993	146,929
1999	5	4	107,559	126,004	147,438
1999	5	5	107,420	126,512	147,753
1999	5	6	109,865	128,438	148,198
1999	6	1	108,521	127,781	148,375
1999	6	2	105,977	126,015	147,738
1999	6	3	102,274	123,103	145,975
1999	6	4	101,191	122,921	147,102
1999	6	5	97,739	120,627	146,475
1999	6	6	79,197	87,815	88,100
1999	7	1	82,145	86,850	86,850
1999	7	2	81,503	85,600	85,600
1999	7	3	84,150	84,150	84,150
1999	7	4	82,700	82,700	82,700
1999	7	5	81,200	81,200	81,200
1999	7	6	79,700	79,700	79,700
1999	8	1	78,250	78,250	78,250
1999	8	2	76,800	76,800	76,800
1999	8	3	75,525	75,525	75,525
1999	8	4	74,250	74,250	74,250
1999	8	5	73,175	73,175	73,175
1999	8	6	72,100	72,100	72,100
1999	9	1	72,100	72,100	72,100
1999	9	2	73,547	73,547	73,547
1999	9	3	75,825	75,825	75,825
1999	9	4	77,626	77,626	77,626
1999	9	5	79,900	79,900	79,900
1999	9	6	82,100	82,100	82,100
1999	10	1	87,433	87,479	87,546
1999	10	2	89,703	89,796	89,931
1999	10	3	91,149	91,288	91,490
1999	10	4	92,577	92,762	93,032
1999	10	5	93,157	93,912	94,249
1999	10	6	101,419	101,706	102,123
1999	11	1	104,497	104,830	105,315
1999	11	2	106,262	106,642	107,194
1999	11	3	107,568	107,993	108,613
1999	11	4	108,253	108,725	109,412
1999	11	5	107,636	108,822	110,086
1999	11	6	106,658	108,528	110,591
1999	12	1	104,757	107,318	110,383
1999	12	2	102,315	105,575	109,657
1999	12	3	99,192	103,149	108,241
1999	12	4	97,237	101,890	107,992
1999	12	5	94,283	99,632	106,744
1999	12	6	89,708	95,879	104,184

古谷本郷上流ダム群貯水量(2000年)

単位：千³m

年度	月	半旬	切下げ無し	切下げ率11.5%	切下げ率28.2%
			貯水量	貯水量	貯水量
2000	1	1	85,647	92,498	101,774
2000	1	2	82,082	89,616	99,881
2000	1	3	79,246	87,472	98,743
2000	1	4	76,147	85,068	97,346
2000	1	5	71,644	81,294	94,581
2000	1	6	65,821	76,352	90,871
2000	2	1	60,673	71,948	87,523
2000	2	2	56,591	68,610	85,248
2000	2	3	51,788	64,551	82,246
2000	2	4	46,334	59,842	78,611
2000	2	5	40,117	54,376	74,236
2000	2	6	35,973	50,822	71,537
2000	3	1	30,578	46,172	67,961
2000	3	2	25,044	41,394	64,282
2000	3	3	19,162	36,266	60,246
2000	3	4	13,919	31,774	56,845
2000	3	5	10,323	28,907	55,016
2000	3	6	6,106	25,601	52,980
2000	4	1	568	20,830	49,280
2000	4	2	0	17,012	46,526
2000	4	3	451	17,066	47,641
2000	4	4	2,269	19,578	51,158
2000	4	5	10,501	27,856	59,504
2000	4	6	16,667	33,042	63,231
2000	5	1	16,597	33,705	64,525
2000	5	2	14,663	32,468	64,301
2000	5	3	15,039	33,556	66,421
2000	5	4	21,353	38,563	69,620
2000	5	5	23,264	40,283	71,408
2000	5	6	21,879	39,641	71,844
2000	6	1	19,665	38,091	71,258
2000	6	2	16,202	35,403	69,675
2000	6	3	25,169	44,416	78,367
2000	6	4	30,975	48,911	81,252
2000	6	5	34,294	52,384	84,799
2000	6	6	34,090	51,909	80,307
2000	7	1	40,248	56,942	80,253
2000	7	2	49,822	64,297	85,600
2000	7	3	51,014	65,202	84,150
2000	7	4	52,443	66,380	82,700
2000	7	5	51,904	66,450	81,200
2000	7	6	52,427	66,259	79,700
2000	8	1	51,474	65,640	78,231
2000	8	2	50,860	64,884	76,800
2000	8	3	53,615	67,536	75,525
2000	8	4	55,203	68,854	74,250
2000	8	5	55,324	68,713	73,175
2000	8	6	54,134	67,954	72,100
2000	9	1	50,949	66,057	72,066
2000	9	2	49,993	66,438	73,016
2000	9	3	60,975	72,425	75,825
2000	9	4	64,144	74,567	77,700
2000	9	5	68,744	78,119	79,873
2000	9	6	71,762	80,365	80,383
2000	10	1	77,514	86,163	86,248
2000	10	2	79,534	88,229	88,382
2000	10	3	81,148	89,889	90,109
2000	10	4	82,403	91,489	91,777
2000	10	5	84,795	93,629	93,984
2000	10	6	86,711	95,600	96,036
2000	11	1	91,720	100,656	101,159
2000	11	2	94,259	103,241	103,811
2000	11	3	95,168	104,819	105,457
2000	11	4	98,778	107,853	108,558
2000	11	5	102,682	111,802	112,575
2000	11	6	103,757	112,924	113,764
2000	12	1	103,130	112,988	114,515
2000	12	2	101,051	111,609	114,152
2000	12	3	98,279	109,532	113,086
2000	12	4	95,278	107,227	111,792
2000	12	5	92,234	104,879	110,454
2000	12	6	88,473	101,940	108,707

古谷本郷上流ダム群貯水量(2001年)

単位：千³m

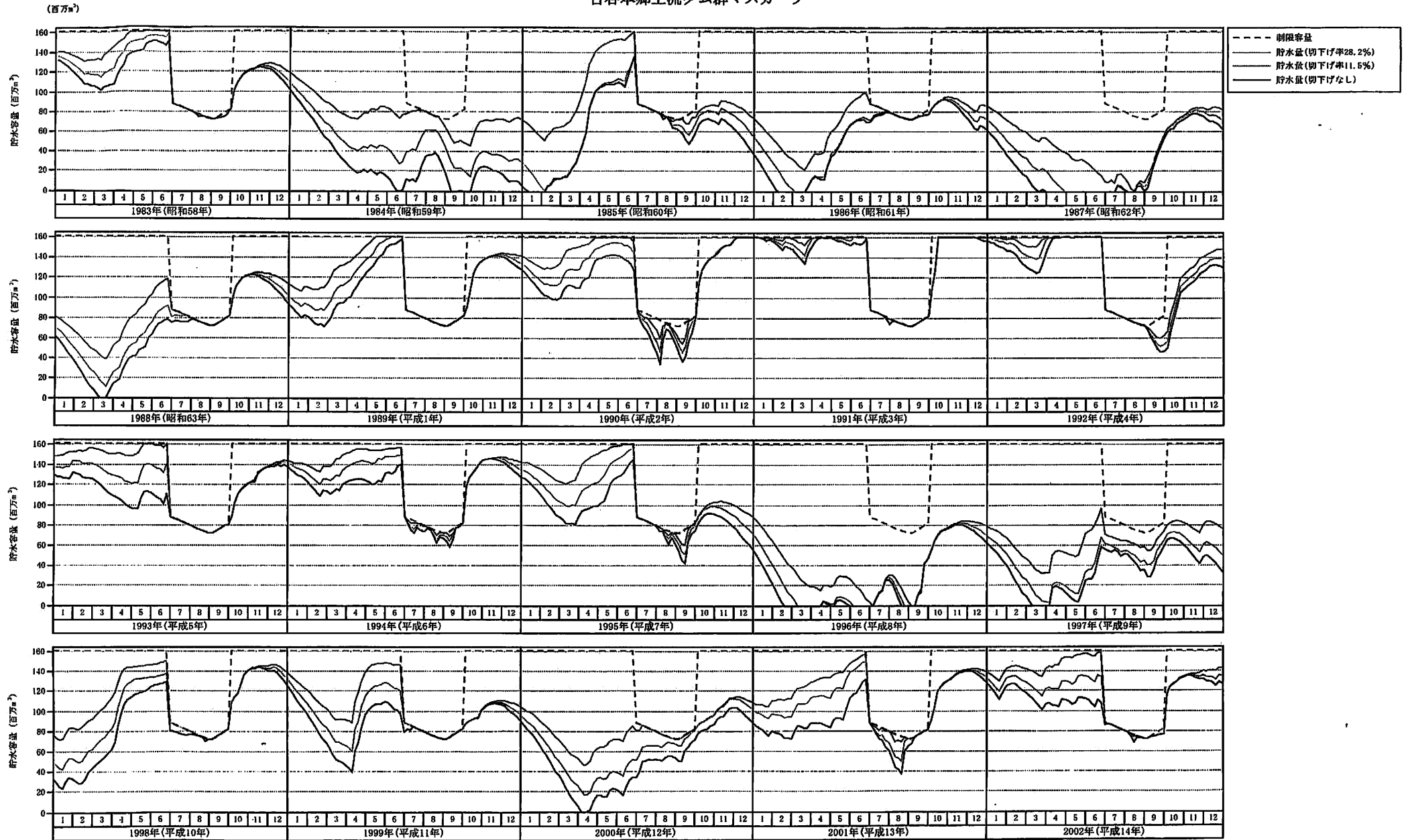
年度	月	半旬	切下げ無し	切下げ率11.5%	切下げ率28.2%
			貯水量	貯水量	貯水量
2001	1	1	85,011	99,147	106,884
2001	1	2	83,010	97,828	106,555
2001	1	3	81,323	96,833	106,566
2001	1	4	78,233	94,437	105,179
2001	1	5	75,597	92,495	104,245
2001	1	6	79,633	97,372	110,343
2001	2	1	78,242	96,691	110,691
2001	2	2	77,699	96,856	111,885
2001	2	3	75,669	95,536	111,596
2001	2	4	73,142	93,719	110,810
2001	2	5	73,137	94,431	112,562
2001	2	6	72,361	94,077	112,819
2001	3	1	79,492	101,253	119,160
2001	3	2	84,899	107,382	122,697
2001	3	3	84,401	107,605	123,608
2001	3	4	83,180	107,100	124,145
2001	3	5	83,170	107,805	125,888
2001	3	6	87,973	113,484	128,444
2001	4	1	88,384	114,626	129,468
2001	4	2	87,999	114,974	130,737
2001	4	3	87,936	115,641	132,379
2001	4	4	86,955	115,353	133,089
2001	4	5	85,111	114,202	132,943
2001	4	6	83,666	113,497	133,313
2001	5	1	91,104	120,673	136,137
2001	5	2	93,334	123,600	137,640
2001	5	3	92,513	123,491	138,487
2001	5	4	90,923	122,532	138,443
2001	5	5	102,326	131,562	143,553
2001	5	6	113,376	139,264	147,995
2001	6	1	116,291	141,262	149,900
2001	6	2	118,285	142,892	151,502
2001	6	3	123,139	145,991	154,067
2001	6	4	128,496	149,294	156,079
2001	6	5	131,488	150,072	156,925
2001	6	6	88,100	88,100	88,100
2001	7	1	82,902	84,279	86,278
2001	7	2	77,499	80,002	83,637
2001	7	3	71,915	75,597	80,943
2001	7	4	70,880	75,720	82,700
2001	7	5	64,747	70,915	79,822
2001	7	6	60,539	68,323	79,576
2001	8	1	52,585	61,743	74,991
2001	8	2	43,713	54,254	69,511
2001	8	3	41,482	53,384	70,617
2001	8	4	36,975	50,005	68,874
2001	8	5	59,649	69,825	73,175
2001	8	6	65,663	72,100	72,100
2001	9	1	67,518	72,100	72,100
2001	9	2	73,950	73,950	73,950
2001	9	3	75,825	75,825	75,825
2001	9	4	77,700	77,700	77,700
2001	9	5	79,900	79,900	79,900
2001	9	6	81,693	81,693	81,693
2001	10	1	90,417	90,463	90,530
2001	10	2	102,539	102,585	102,652
2001	10	3	119,387	119,433	119,501
2001	10	4	124,016	124,109	124,244
2001	10	5	127,354	127,493	127,695
2001	10	6	129,913	130,107	130,390
2001	11	1	131,946	132,186	132,537
2001	11	2	134,947	135,233	135,651
2001	11	3	137,334	137,667	138,152
2001	11	4	138,706	139,085	139,637
2001	11	5	139,582	140,008	140,628
2001	11	6	140,116	140,644	141,331
2001	12	1	140,116	141,293	142,048
2001	12	2	139,043	140,920	142,691
2001	12	3	137,325	139,898	142,680
2001	12	4	134,942	138,211	142,003
2001	12	5	132,014	135,979	140,781
2001	12	6	128,212	132,998	138,993

古谷本郷上流ダム群貯水量(2002年)

単位：千 m^3

年度	月	半月	切下げ無し	切下げ率11.5%	切下げ率28.2%
			貯水量	貯水量	貯水量
2002	1	1	124,392	129,847	136,812
2002	1	2	120,503	126,640	134,595
2002	1	3	116,004	122,833	131,794
2002	1	4	111,950	119,474	129,443
2002	1	5	118,139	125,709	135,745
2002	1	6	124,716	132,341	142,458
2002	2	1	126,187	133,859	144,043
2002	2	2	127,119	134,837	144,922
2002	2	3	126,083	134,511	145,539
2002	2	4	123,357	132,495	144,555
2002	2	5	120,030	129,885	142,984
2002	2	6	118,194	128,470	142,181
2002	3	1	115,194	126,181	140,923
2002	3	2	112,635	124,344	140,133
2002	3	3	108,820	121,248	138,082
2002	3	4	104,942	118,087	135,962
2002	3	5	101,221	115,081	133,994
2002	3	6	107,704	122,440	142,622
2002	4	1	107,803	123,271	144,516
2002	4	2	105,643	121,843	144,151
2002	4	3	105,791	122,722	146,091
2002	4	4	104,413	122,037	146,412
2002	4	5	111,879	129,563	152,759
2002	4	6	110,961	129,386	153,656
2002	5	1	109,271	128,429	153,763
2002	5	2	106,706	126,561	152,908
2002	5	3	108,421	128,988	155,799
2002	5	4	113,354	134,450	156,559
2002	5	5	113,798	135,541	157,090
2002	5	6	112,661	135,147	157,421
2002	6	1	110,853	134,003	157,241
2002	6	2	107,061	130,966	155,300
2002	6	3	104,376	129,050	154,501
2002	6	4	111,062	135,782	158,607
2002	6	5	108,314	134,133	158,511
2002	6	6	85,600	87,345	88,100
2002	7	1	86,850	86,850	86,850
2002	7	2	85,600	85,600	85,600
2002	7	3	84,150	84,150	84,150
2002	7	4	82,700	82,700	82,700
2002	7	5	81,200	81,200	81,200
2002	7	6	79,653	79,700	79,700
2002	8	1	78,250	78,250	78,250
2002	8	2	74,518	75,902	76,800
2002	8	3	68,400	71,144	74,019
2002	8	4	73,046	74,250	74,250
2002	8	5	73,175	73,175	73,175
2002	8	6	72,100	72,100	72,100
2002	9	1	72,100	72,100	72,100
2002	9	2	73,828	73,828	73,828
2002	9	3	74,614	74,614	74,614
2002	9	4	75,310	75,310	75,310
2002	9	5	75,629	75,629	75,629
2002	9	6	76,450	76,450	76,450
2002	10	1	116,267	116,267	116,267
2002	10	2	124,221	124,267	124,318
2002	10	3	126,747	126,839	126,957
2002	10	4	128,417	128,555	128,741
2002	10	5	131,970	132,155	132,408
2002	10	6	133,658	133,899	134,232
2002	11	1	134,793	135,079	135,480
2002	11	2	135,377	136,070	136,538
2002	11	3	134,412	135,809	137,299
2002	11	4	132,572	134,684	137,213
2002	11	5	131,437	134,264	137,830
2002	11	6	131,841	135,352	139,912
2002	12	1	129,810	134,012	139,574
2002	12	2	129,143	134,045	140,624
2002	12	3	127,680	133,278	140,867
2002	12	4	125,077	131,370	139,970
2002	12	5	128,664	135,653	142,924
2002	12	6	126,727	134,538	143,002

古谷本郷上流ダム群マスカーブ

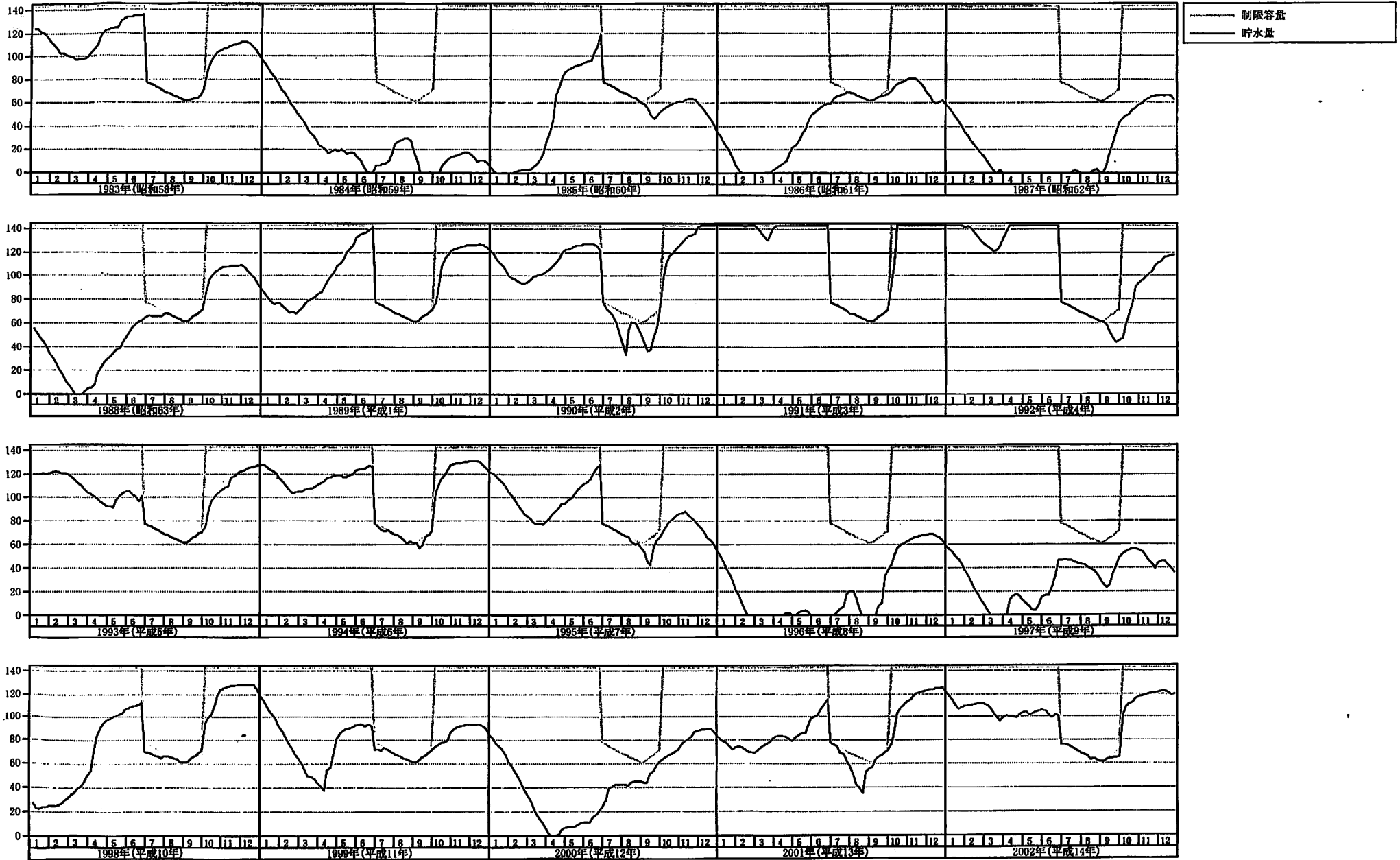


2. 各ダム貯水量（切り下げ無し）

切り下げ無しの寄居上流ダム群マスカーブ（貯水池運用曲線）を次に示す。

寄居上流ダム群マスカープ

(百万 m^3)



②本川および支川の各利水基準点の半旬別流量の計算結果

1. 残容量・不足量一覧

残容量・不足量を次に示す。

残容量・不足量表

不足発生頻度：8/20

利水安全度((n+1)/m)：1/2.2

年	ダム残容量 (千 m^3)						本川 不足量	
	トータル	二瀬ダム	滝沢ダム	浦山ダム	第1調節池	合角ダム		有間ダム
1983(S. 58)	72,100	0	25,000	33,000	7,600	3,650	2,850	0
1984(S. 59)	0	0	0	0	0	0	0	24,202
1985(S. 60)	0	0	0	0	0	0	0	27,617
1986(S. 61)	0	0	0	0	0	0	0	41,443
1987(S. 62)	0	0	0	0	0	0	0	112,990
1988(S. 63)	0	0	0	0	0	0	0	8,875
1989(H. 01)	71,691	9,527	27,629	26,676	0	4,406	3,454	0
1990(H. 02)	33,615	3,049	12,395	16,361	0	1,810	0	0
1991(H. 03)	72,100	0	25,000	33,000	7,600	3,650	2,850	0
1992(H. 04)	45,904	0	20,890	21,017	0	2,325	1,672	0
1993(H. 05)	72,100	0	25,000	33,000	7,600	3,650	2,850	0
1994(H. 06)	58,254	0	24,043	29,550	0	3,268	1,392	0
1995(H. 07)	42,233	0	18,556	21,318	0	2,358	0	0
1996(H. 08)	0	0	0	0	0	0	0	134,616
1997(H. 09)	0	0	0	0	0	0	0	17,332
1998(H. 10)	23,633	3,141	9,108	8,794	0	1,453	1,138	0
1999(H. 11)	39,104	5,197	15,070	14,550	0	2,403	1,884	0
2000(H. 12)	0	0	0	0	0	0	0	5,027
2001(H. 13)	36,975	1,193	13,869	18,307	0	2,025	1,581	0
2002(H. 14)	68,400	3,341	24,385	32,188	2,076	3,560	2,850	0

※1 各ダムの残容量はトータルダム最小残容量発生半旬における残容量

※2 本川不足量は、寄居地点と古谷本郷地点の不足量の合計値

2. 古谷本郷地点流量計算結果

以下の3ケースについて、古谷本郷地点の流量の計算結果を次に示す。

ケース	切下げ率	備 考	対象年
切下げ無し	0.0%	—	—
安全度 4/20	11.5%	20ヶ年中第4位の不足が解消した切下げ率	1985(S60)年
安全度 2/20	28.2%	20ヶ年中第2位の不足が解消した切下げ率	1987(S62)年

※検討期間：1983(S58)年～2002(H14)年の20ヶ年

古谷本郷地点流況(1983年)

単位: m³/s

年度	月	半旬	切下げなし			切下げ率11.5%			切下げ率28.2%		
			自然	確保量	操作後	自然	確保量	操作後	自然	確保量	操作後
1983	1	1	13.06	15.27	15.27	13.06	14.09	14.09	13.06	12.37	12.37
1983	1	2	14.69	15.27	15.27	14.69	14.09	14.09	14.69	12.37	12.37
1983	1	3	12.56	15.27	15.27	12.56	14.09	14.09	12.56	12.37	12.37
1983	1	4	14.68	15.27	15.27	14.68	14.09	14.09	14.68	12.37	12.37
1983	1	5	11.51	15.27	15.27	11.51	14.09	14.09	11.51	12.37	12.37
1983	1	6	11.13	15.27	15.27	11.13	14.09	14.09	11.13	12.37	12.37
1983	2	1	12.44	15.27	15.27	12.44	14.09	14.09	12.44	12.37	12.37
1983	2	2	10.95	15.27	15.27	10.95	14.09	14.09	10.95	12.37	12.37
1983	2	3	10.26	15.27	15.27	10.26	14.09	14.09	10.26	12.37	12.37
1983	2	4	19.84	15.27	15.27	19.84	14.09	14.09	19.84	12.37	12.37
1983	2	5	15.49	15.27	15.27	15.49	14.09	14.09	15.49	12.37	12.37
1983	2	6	14.95	15.27	15.27	14.95	14.09	14.09	14.95	12.37	12.37
1983	3	1	17.31	15.27	15.27	17.31	14.09	14.09	17.31	12.37	12.37
1983	3	2	13.14	15.27	15.27	13.14	14.09	14.09	13.14	12.37	12.37
1983	3	3	26.79	15.27	15.27	26.79	14.09	14.09	26.79	12.37	12.37
1983	3	4	21.17	15.27	15.27	21.17	14.09	14.09	21.17	12.37	12.37
1983	3	5	21.13	15.27	15.27	21.13	14.09	14.09	21.13	12.37	12.37
1983	3	6	20.84	15.27	15.27	20.84	14.09	14.09	20.84	12.37	12.37
1983	4	1	88.44	15.27	63.03	88.44	14.09	63.44	88.44	12.37	77.06
1983	4	2	33.98	15.27	15.27	33.98	14.09	20.90	33.98	12.37	27.02
1983	4	3	36.72	15.27	23.01	36.72	14.09	24.75	36.72	12.37	29.08
1983	4	4	65.24	15.27	40.48	65.24	14.09	46.03	65.24	12.37	51.49
1983	4	5	42.00	15.27	32.24	42.00	14.09	33.41	42.00	12.37	34.92
1983	4	6	29.91	15.27	22.86	29.91	14.09	23.56	29.91	12.37	25.86
1983	5	1	22.53	15.27	16.19	22.53	14.09	16.85	22.53	12.37	18.64
1983	5	2	25.72	15.27	19.87	25.72	14.09	20.47	25.72	12.37	22.24
1983	5	3	20.99	15.27	15.58	20.99	14.09	16.17	20.99	12.37	17.49
1983	5	4	128.68	14.27	110.53	128.68	13.20	118.64	128.68	11.65	125.46
1983	5	5	38.14	14.27	30.48	38.14	13.20	33.21	38.14	11.65	35.44
1983	5	6	28.31	14.27	22.85	28.31	13.20	24.40	28.31	11.65	26.02
1983	6	1	19.23	14.27	14.50	19.23	13.20	14.87	19.23	11.65	16.29
1983	6	2	16.77	14.27	14.27	16.77	13.20	13.20	16.77	11.65	12.51
1983	6	3	18.63	14.27	14.27	18.63	13.20	13.20	18.63	11.65	14.17
1983	6	4	17.01	14.27	14.27	17.01	13.20	13.20	17.01	11.65	11.65
1983	6	5	46.26	14.27	22.53	46.26	13.20	25.59	46.26	11.65	36.45
1983	6	6	22.53	14.27	149.16	22.53	13.20	168.55	22.53	11.65	177.54
1983	7	1	29.95	14.27	14.65	29.95	13.20	16.52	29.95	11.65	19.60
1983	7	2	81.82	14.27	71.06	81.82	13.20	72.85	81.82	11.65	75.09
1983	7	3	53.75	14.27	42.65	53.75	13.20	44.31	53.75	11.65	46.72
1983	7	4	62.77	14.27	52.09	62.77	13.20	53.70	62.77	11.65	56.05
1983	7	5	46.49	14.27	32.50	46.49	13.20	34.51	46.49	11.65	37.42
1983	7	6	33.32	14.27	18.38	33.32	13.20	20.43	33.32	11.65	23.41
1983	8	1	27.44	14.27	14.27	27.44	13.20	14.88	27.44	11.65	17.74
1983	8	2	27.64	14.27	14.27	27.64	13.20	14.91	27.64	11.65	17.95
1983	8	3	137.62	14.27	117.72	137.62	13.20	123.24	137.62	11.65	127.07
1983	8	4	1380.75	14.27	1370.28	1380.75	13.20	1371.83	1380.75	11.65	1374.07
1983	8	5	141.29	14.27	128.62	141.29	13.20	130.36	141.29	11.65	132.89
1983	8	6	57.36	14.27	44.27	57.36	13.20	46.02	57.36	11.65	48.55
1983	9	1	40.34	14.27	23.79	40.34	13.20	25.69	40.34	11.65	28.45
1983	9	2	62.26	14.27	44.00	62.26	13.20	45.82	62.26	11.65	48.47
1983	9	3	40.36	14.27	26.84	40.36	13.20	28.29	40.36	11.65	30.39
1983	9	4	48.53	14.27	34.44	48.53	13.20	35.89	48.53	11.65	38.00
1983	9	5	64.61	14.27	52.89	64.61	13.20	53.57	64.61	11.65	54.56
1983	9	6	453.95	14.27	435.08	453.95	13.20	435.81	453.95	11.65	436.86
1983	10	1	114.00	14.27	66.03	114.00	13.20	66.38	114.00	11.65	67.01
1983	10	2	63.95	14.27	43.88	63.95	13.20	44.19	63.95	11.65	44.64
1983	10	3	54.27	14.27	38.56	54.27	13.20	38.89	54.27	11.65	39.36
1983	10	4	49.37	14.27	36.60	49.37	13.20	36.89	49.37	11.65	37.32
1983	10	5	36.71	14.27	27.63	36.71	13.20	27.98	36.71	11.65	28.49
1983	10	6	28.77	14.27	21.19	28.77	13.20	21.48	28.77	11.65	21.91
1983	11	1	22.07	15.27	16.03	22.07	14.09	16.29	22.07	12.37	16.66
1983	11	2	22.92	15.27	16.62	22.92	14.09	16.89	22.92	12.37	17.29
1983	11	3	21.46	15.27	15.27	21.46	14.09	15.13	21.46	12.37	15.62
1983	11	4	16.72	15.27	15.27	16.72	14.09	14.09	16.72	12.37	12.37
1983	11	5	18.36	15.27	15.27	18.36	14.09	14.09	18.36	12.37	12.37
1983	11	6	15.66	15.27	15.27	15.66	14.09	14.09	15.66	12.37	12.37
1983	12	1	13.63	15.27	15.27	13.63	14.09	14.09	13.63	12.37	12.37
1983	12	2	11.96	15.27	15.27	11.96	14.09	14.09	11.96	12.37	12.37
1983	12	3	11.78	15.27	15.27	11.78	14.09	14.09	11.78	12.37	12.37
1983	12	4	10.77	15.27	15.27	10.77	14.09	14.09	10.77	12.37	12.37
1983	12	5	10.32	15.27	15.27	10.32	14.09	14.09	10.32	12.37	12.37
1983	12	6	9.42	15.27	15.27	9.42	14.09	14.09	9.42	12.37	12.37

古谷本郷地点流況(1984年)

単位:m³/s

年度	月	半旬	切下げなし			切下げ率11.5%			切下げ率28.2%		
			自然	確保量	操作後	自然	確保量	操作後	自然	確保量	操作後
1984	1	1	9.10	15.27	15.27	9.10	14.09	14.09	9.10	12.37	12.37
1984	1	2	9.35	15.27	15.27	9.35	14.09	14.09	9.35	12.37	12.37
1984	1	3	9.42	15.27	15.27	9.42	14.09	14.09	9.42	12.37	12.37
1984	1	4	8.69	15.27	15.27	8.69	14.09	14.09	8.69	12.37	12.37
1984	1	5	9.63	15.27	15.27	9.63	14.09	14.09	9.63	12.37	12.37
1984	1	6	9.33	15.27	15.27	9.33	14.09	14.09	9.33	12.37	12.37
1984	2	1	10.13	15.27	15.27	10.13	14.09	14.09	10.13	12.37	12.37
1984	2	2	8.54	15.27	15.27	8.54	14.09	14.09	8.54	12.37	12.37
1984	2	3	8.55	15.27	15.27	8.55	14.09	14.09	8.55	12.37	12.37
1984	2	4	8.36	15.27	15.27	8.36	14.09	14.09	8.36	12.37	12.37
1984	2	5	9.70	15.27	15.27	9.70	14.09	14.09	9.70	12.37	12.37
1984	2	6	10.86	15.27	15.27	10.86	14.09	14.09	10.86	12.37	12.37
1984	3	1	9.58	15.27	15.27	9.58	14.09	14.09	9.58	12.37	12.37
1984	3	2	8.49	15.27	15.27	8.49	14.09	14.09	8.49	12.37	12.37
1984	3	3	8.41	15.27	15.27	8.41	14.09	14.09	8.41	12.37	12.37
1984	3	4	11.68	15.27	15.27	11.68	14.09	14.09	11.68	12.37	12.37
1984	3	5	11.82	15.27	15.27	11.82	14.09	14.09	11.82	12.37	12.37
1984	3	6	10.63	15.27	15.27	10.63	14.09	14.09	10.63	12.37	12.37
1984	4	1	13.28	15.27	15.27	13.28	14.09	14.09	13.28	12.37	12.37
1984	4	2	15.38	15.27	15.27	15.38	14.09	14.09	15.38	12.37	12.37
1984	4	3	13.00	15.27	15.27	13.00	14.09	14.09	13.00	12.37	12.37
1984	4	4	21.99	15.27	15.27	21.99	14.09	14.09	21.99	12.37	12.37
1984	4	5	23.15	15.27	15.27	23.15	14.09	14.09	23.15	12.37	12.37
1984	4	6	15.50	15.27	15.27	15.50	14.09	14.09	15.50	12.37	12.37
1984	5	1	24.65	15.27	15.27	24.65	14.09	14.09	24.65	12.37	12.37
1984	5	2	14.29	15.27	15.27	14.29	14.09	14.09	14.29	12.37	12.37
1984	5	3	12.70	15.27	15.27	12.70	14.09	14.09	12.70	12.37	12.37
1984	5	4	23.78	14.27	14.27	23.78	13.20	13.20	23.78	11.65	11.65
1984	5	5	14.47	14.27	14.27	14.47	13.20	13.20	14.47	11.65	11.65
1984	5	6	11.63	14.27	14.27	11.63	13.20	13.20	11.63	11.65	11.65
1984	6	1	10.45	14.27	14.27	10.45	13.20	13.20	10.45	11.65	11.65
1984	6	2	8.95	14.27	14.27	8.95	13.20	13.20	8.95	11.65	11.65
1984	6	3	9.43	14.27	14.27	9.43	13.20	13.20	9.43	11.65	11.65
1984	6	4	9.34	14.27	5.21	9.34	13.20	13.20	9.34	11.65	11.65
1984	6	5	29.79	14.27	14.27	29.79	13.20	13.20	29.79	11.65	11.65
1984	6	6	75.18	14.27	33.50	75.18	13.20	35.47	75.18	11.65	59.93
1984	7	1	30.18	14.27	14.27	30.18	13.20	13.20	30.18	11.65	13.16
1984	7	2	30.53	14.27	14.27	30.53	13.20	13.20	30.53	11.65	18.10
1984	7	3	22.95	14.27	14.27	22.95	13.20	13.20	22.95	11.65	11.65
1984	7	4	43.62	14.27	14.27	43.62	13.20	13.94	43.62	11.65	31.95
1984	7	5	125.84	14.27	83.73	125.84	13.20	94.76	125.84	11.65	114.02
1984	7	6	51.73	14.27	17.85	51.73	13.20	23.76	51.73	11.65	41.82
1984	8	1	35.65	14.27	14.27	35.65	13.20	19.11	35.65	11.65	26.00
1984	8	2	33.38	14.27	14.27	33.38	13.20	17.62	33.38	11.65	23.69
1984	8	3	38.18	14.27	14.27	38.18	13.20	21.94	38.18	11.65	27.57
1984	8	4	19.01	14.27	14.27	19.01	13.20	13.20	19.01	11.65	12.33
1984	8	5	14.35	14.27	14.27	14.35	13.20	13.20	14.35	11.65	11.65
1984	8	6	11.47	14.27	14.27	11.47	13.20	13.20	11.47	11.65	11.65
1984	9	1	9.91	14.27	14.27	9.91	13.20	13.20	9.91	11.65	11.65
1984	9	2	8.49	14.27	13.91	8.49	13.20	13.20	8.49	11.65	11.65
1984	9	3	11.08	14.27	5.13	11.08	13.20	13.20	11.08	11.65	11.65
1984	9	4	21.63	14.27	10.50	21.63	13.20	13.20	21.63	11.65	11.65
1984	9	5	20.12	14.27	14.27	20.12	13.20	13.20	20.12	11.65	11.65
1984	9	6	11.61	14.27	5.71	11.61	13.20	13.20	11.61	11.65	11.65
1984	10	1	10.60	14.27	7.76	10.60	13.20	13.20	10.60	11.65	11.65
1984	10	2	9.74	14.27	7.32	9.74	13.20	13.20	9.74	11.65	11.65
1984	10	3	63.96	14.27	34.76	63.96	13.20	35.20	63.96	11.65	35.83
1984	10	4	39.02	14.27	18.22	39.02	13.20	18.51	39.02	11.65	18.94
1984	10	5	38.48	14.27	23.06	38.48	13.20	23.42	38.48	11.65	23.93
1984	10	6	25.89	14.27	19.03	25.89	13.20	19.32	25.89	11.65	19.75
1984	11	1	15.93	15.27	15.27	15.93	14.09	14.09	15.93	12.37	12.37
1984	11	2	14.32	15.27	15.27	14.32	14.09	14.09	14.32	12.37	12.37
1984	11	3	13.75	15.27	15.27	13.75	14.09	14.09	13.75	12.37	12.37
1984	11	4	19.49	15.27	15.27	19.49	14.09	14.09	19.49	12.37	12.37
1984	11	5	15.91	15.27	15.27	15.91	14.09	14.09	15.91	12.37	12.37
1984	11	6	13.52	15.27	15.27	13.52	14.09	14.09	13.52	12.37	12.37
1984	12	1	11.42	15.27	15.27	11.42	14.09	14.09	11.42	12.37	12.37
1984	12	2	12.04	15.27	15.27	12.04	14.09	14.09	12.04	12.37	12.37
1984	12	3	20.32	15.27	15.27	20.32	14.09	14.09	20.32	12.37	12.37
1984	12	4	19.40	15.27	15.27	19.40	14.09	14.09	19.40	12.37	12.37
1984	12	5	15.91	15.27	15.27	15.91	14.09	14.09	15.91	12.37	12.37
1984	12	6	11.17	15.27	15.27	11.17	14.09	14.09	11.17	12.37	12.37

古谷本郷地点流況(1985年)

単位: m³/s

年度	月	半月	切下げなし			切下げ率11.5%			切下げ率28.2%		
			自然	確保量	操作後	自然	確保量	操作後	自然	確保量	操作後
1985	1	1	9.76	15.27	15.27	9.76	14.09	14.09	9.76	12.37	12.37
1985	1	2	8.86	15.27	9.04	8.86	14.09	14.09	8.86	12.37	12.37
1985	1	3	8.49	15.27	4.82	8.49	14.09	14.09	8.49	12.37	12.37
1985	1	4	8.06	15.27	4.35	8.06	14.09	14.09	8.06	12.37	12.37
1985	1	5	7.62	15.27	4.15	7.62	14.09	14.09	7.62	12.37	12.37
1985	1	6	7.53	15.27	3.69	7.53	14.09	14.09	7.53	12.37	12.37
1985	2	1	7.74	15.27	3.93	7.74	14.09	14.09	7.74	12.37	12.37
1985	2	2	33.82	15.27	17.61	33.82	14.09	17.96	33.82	12.37	18.48
1985	2	3	22.66	15.27	15.27	22.66	14.09	14.09	22.66	12.37	12.37
1985	2	4	29.24	15.27	15.27	29.24	14.09	14.72	29.24	12.37	17.04
1985	2	5	40.84	15.27	32.87	40.84	14.09	35.68	40.84	12.37	36.64
1985	2	6	19.59	15.27	15.27	19.59	14.09	14.78	19.59	12.37	15.26
1985	3	1	31.88	15.27	24.75	31.88	14.09	25.60	31.88	12.37	26.12
1985	3	2	19.82	15.27	15.27	19.82	14.09	14.09	19.82	12.37	12.37
1985	3	3	38.77	15.27	24.69	38.77	14.09	26.63	38.77	12.37	29.45
1985	3	4	55.40	15.27	39.05	55.40	14.09	39.43	55.40	12.37	39.96
1985	3	5	52.32	15.27	36.33	52.32	14.09	36.69	52.32	12.37	37.23
1985	3	6	49.67	15.27	25.88	49.67	14.09	26.28	49.67	12.37	26.86
1985	4	1	68.88	15.27	41.77	68.88	14.09	42.18	68.88	12.37	42.80
1985	4	2	82.99	15.27	55.05	82.99	14.09	55.56	82.99	12.37	56.31
1985	4	3	199.47	15.27	139.55	199.47	14.09	140.06	199.47	12.37	156.42
1985	4	4	87.42	15.27	62.95	87.42	14.09	63.46	87.42	12.37	70.35
1985	4	5	115.21	15.27	92.06	115.21	14.09	92.53	115.21	12.37	96.90
1985	4	6	65.24	15.27	52.01	65.24	14.09	52.46	65.24	12.37	53.08
1985	5	1	38.48	15.27	29.07	38.48	14.09	29.48	38.48	12.37	30.07
1985	5	2	28.19	15.27	20.82	28.19	14.09	21.15	28.19	12.37	21.62
1985	5	3	19.85	15.27	15.27	19.85	14.09	14.09	19.85	12.37	13.59
1985	5	4	16.32	14.27	14.27	16.32	13.20	13.20	16.32	11.65	11.65
1985	5	5	20.69	14.27	14.27	20.69	13.20	13.20	20.69	11.65	15.30
1985	5	6	19.87	14.27	14.27	19.87	13.20	13.30	19.87	11.65	15.78
1985	6	1	14.56	14.27	14.27	14.56	13.20	13.20	14.56	11.65	11.65
1985	6	2	13.32	14.27	14.27	13.32	13.20	13.20	13.32	11.65	11.65
1985	6	3	104.43	14.27	73.65	104.43	13.20	74.28	104.43	11.65	92.51
1985	6	4	162.09	14.27	129.19	162.09	13.20	139.02	162.09	11.65	149.62
1985	6	5	162.25	14.27	128.52	162.25	13.20	129.92	162.25	11.65	147.39
1985	6	6	332.95	14.27	424.24	332.95	13.20	429.16	332.95	11.65	488.02
1985	7	1	610.87	14.27	595.32	610.87	13.20	597.44	610.87	11.65	600.52
1985	7	2	82.61	14.27	72.10	82.61	13.20	73.64	82.61	11.65	75.88
1985	7	3	77.71	14.27	66.61	77.71	13.20	68.27	77.71	11.65	70.68
1985	7	4	59.56	14.27	48.88	59.56	13.20	50.49	59.56	11.65	52.84
1985	7	5	108.98	14.27	94.99	108.98	13.20	97.00	108.98	11.65	99.91
1985	7	6	36.36	14.27	21.42	36.36	13.20	23.47	36.36	11.65	26.45
1985	8	1	27.88	14.27	14.27	27.88	13.20	15.32	27.88	11.65	18.13
1985	8	2	20.67	14.27	14.27	20.67	13.20	13.20	20.67	11.65	11.65
1985	8	3	48.56	14.27	23.39	48.56	13.20	29.42	48.56	11.65	37.44
1985	8	4	17.01	14.27	14.27	17.01	13.20	13.20	17.01	11.65	11.65
1985	8	5	13.28	14.27	14.27	13.28	13.20	13.20	13.28	11.65	11.65
1985	8	6	27.88	14.27	14.27	27.88	13.20	13.20	27.88	11.65	12.32
1985	9	1	26.27	14.27	14.27	26.27	13.20	13.20	26.27	11.65	14.38
1985	9	2	22.94	14.27	14.27	22.94	13.20	13.20	22.94	11.65	11.65
1985	9	3	12.42	14.27	14.27	12.42	13.20	13.20	12.42	11.65	11.65
1985	9	4	18.74	14.27	14.27	18.74	13.20	13.20	18.74	11.65	11.65
1985	9	5	29.63	14.27	14.27	29.63	13.20	13.20	29.63	11.65	11.65
1985	9	6	45.22	14.27	20.08	45.22	13.20	23.22	45.22	11.65	38.00
1985	10	1	35.43	14.27	14.30	35.43	13.20	15.39	35.43	11.65	19.13
1985	10	2	36.72	14.27	26.59	36.72	13.20	28.39	36.72	11.65	28.84
1985	10	3	29.36	14.27	21.26	29.36	13.20	21.59	29.36	11.65	22.06
1985	10	4	18.87	14.27	14.27	18.87	13.20	13.20	18.87	11.65	13.06
1985	10	5	15.27	14.27	14.27	15.27	13.20	13.20	15.27	11.65	11.65
1985	10	6	14.48	14.27	14.27	14.48	13.20	13.20	14.48	11.65	11.65
1985	11	1	12.79	15.27	15.27	12.79	14.09	14.09	12.79	12.37	12.37
1985	11	2	36.74	15.27	19.74	36.74	14.09	20.01	36.74	12.37	22.06
1985	11	3	14.76	15.27	15.27	14.76	14.09	14.09	14.76	12.37	12.37
1985	11	4	12.09	15.27	15.27	12.09	14.09	14.09	12.09	12.37	12.37
1985	11	5	14.13	15.27	15.27	14.13	14.09	14.09	14.13	12.37	12.37
1985	11	6	10.64	15.27	15.27	10.64	14.09	14.09	10.64	12.37	12.37
1985	12	1	10.89	15.27	15.27	10.89	14.09	14.09	10.89	12.37	12.37
1985	12	2	11.79	15.27	15.27	11.79	14.09	14.09	11.79	12.37	12.37
1985	12	3	10.07	15.27	15.27	10.07	14.09	14.09	10.07	12.37	12.37
1985	12	4	8.62	15.27	15.27	8.62	14.09	14.09	8.62	12.37	12.37
1985	12	5	8.16	15.27	15.27	8.16	14.09	14.09	8.16	12.37	12.37
1985	12	6	8.04	15.27	15.27	8.04	14.09	14.09	8.04	12.37	12.37

古谷本郷地点流況(1986年)

単位: m³/s

年度	月	半旬	切下げなし			切下げ率11.5%			切下げ率28.2%		
			自然	確保量	操作後	自然	確保量	操作後	自然	確保量	操作後
1986	1	1	8.20	15.27	15.27	8.20	14.09	14.09	8.20	12.37	12.37
1986	1	2	7.73	15.27	15.27	7.73	14.09	14.09	7.73	12.37	12.37
1986	1	3	7.36	15.27	15.27	7.36	14.09	14.09	7.36	12.37	12.37
1986	1	4	7.25	15.27	15.27	7.25	14.09	14.09	7.25	12.37	12.37
1986	1	5	6.93	15.27	15.27	6.93	14.09	14.09	6.93	12.37	12.37
1986	1	6	7.12	15.27	15.27	7.12	14.09	14.09	7.12	12.37	12.37
1986	2	1	7.23	15.27	15.27	7.23	14.09	14.09	7.23	12.37	12.37
1986	2	2	7.09	15.27	5.61	7.09	14.09	14.09	7.09	12.37	12.37
1986	2	3	6.17	15.27	3.51	6.17	14.09	14.09	6.17	12.37	12.37
1986	2	4	6.88	15.27	3.49	6.88	14.09	14.09	6.88	12.37	12.37
1986	2	5	8.07	15.27	4.03	8.07	14.09	14.09	8.07	12.37	12.37
1986	2	6	7.00	15.27	3.56	7.00	14.09	14.09	7.00	12.37	12.37
1986	3	1	7.46	15.27	3.67	7.46	14.09	10.04	7.46	12.37	12.37
1986	3	2	7.37	15.27	3.27	7.37	14.09	3.60	7.37	12.37	12.37
1986	3	3	8.72	15.27	4.90	8.72	14.09	4.99	8.72	12.37	12.37
1986	3	4	10.96	15.27	6.80	10.96	14.09	7.28	10.96	12.37	12.37
1986	3	5	49.77	15.27	33.50	49.77	14.09	33.86	49.77	12.37	34.40
1986	3	6	52.06	15.27	34.33	52.06	14.09	34.73	52.06	12.37	35.31
1986	4	1	26.51	15.27	15.27	26.51	14.09	14.09	26.51	12.37	13.78
1986	4	2	15.18	15.27	15.27	15.18	14.09	14.09	15.18	12.37	12.37
1986	4	3	16.86	15.27	15.27	16.86	14.09	14.09	16.86	12.37	12.37
1986	4	4	18.97	15.27	15.27	18.97	14.09	14.09	18.97	12.37	12.37
1986	4	5	96.13	15.27	63.35	96.13	14.09	63.77	96.13	12.37	64.38
1986	4	6	44.61	15.27	15.83	44.61	14.09	16.25	44.61	12.37	23.72
1986	5	1	26.21	15.27	15.27	26.21	14.09	16.14	26.21	12.37	17.13
1986	5	2	46.00	15.27	30.22	46.00	14.09	33.30	46.00	12.37	34.25
1986	5	3	107.55	15.27	89.78	107.55	14.09	90.14	107.55	12.37	92.13
1986	5	4	92.83	14.27	74.12	92.83	13.20	75.73	92.83	11.65	76.76
1986	5	5	68.47	14.27	49.74	68.47	13.20	51.58	68.47	11.65	52.20
1986	5	6	49.99	14.27	37.57	49.99	13.20	37.83	49.99	11.65	38.20
1986	6	1	36.84	14.27	26.71	36.84	13.20	27.08	36.84	11.65	27.61
1986	6	2	27.22	14.27	15.68	27.22	13.20	16.26	27.22	11.65	17.09
1986	6	3	18.99	14.27	14.27	18.99	13.20	13.20	18.99	11.65	11.65
1986	6	4	25.27	14.27	14.27	25.27	13.20	13.20	25.27	11.65	11.65
1986	6	5	20.62	14.27	14.27	20.62	13.20	13.20	20.62	11.65	11.65
1986	6	6	39.54	14.27	20.85	39.54	13.20	27.07	39.54	11.65	49.83
1986	7	1	134.44	14.27	104.05	134.44	13.20	106.82	134.44	11.65	123.75
1986	7	2	56.68	14.27	40.57	56.68	13.20	42.01	56.68	11.65	49.95
1986	7	3	52.17	14.27	35.62	52.17	13.20	37.18	52.17	11.65	45.14
1986	7	4	53.40	14.27	37.41	53.40	13.20	38.92	53.40	11.65	46.68
1986	7	5	53.70	14.27	31.74	53.70	13.20	35.38	53.70	11.65	44.63
1986	7	6	30.99	14.27	14.27	30.99	13.20	16.96	30.99	11.65	21.08
1986	8	1	290.57	14.27	274.21	290.57	13.20	277.66	290.57	11.65	280.73
1986	8	2	163.85	14.27	148.63	163.85	13.20	150.77	163.85	11.65	153.87
1986	8	3	52.79	14.27	37.61	52.79	13.20	39.70	52.79	11.65	42.73
1986	8	4	44.38	14.27	33.91	44.38	13.20	35.46	44.38	11.65	37.70
1986	8	5	53.84	14.27	41.17	53.84	13.20	42.91	53.84	11.65	45.44
1986	8	6	28.72	14.27	15.63	28.72	13.20	17.38	28.72	11.65	19.91
1986	9	1	517.02	14.27	500.47	517.02	13.20	502.37	517.02	11.65	505.13
1986	9	2	111.60	14.27	91.46	111.60	13.20	93.28	111.60	11.65	95.93
1986	9	3	71.49	14.27	55.98	71.49	13.20	57.43	71.49	11.65	59.53
1986	9	4	61.72	14.27	46.91	61.72	13.20	48.36	61.72	11.65	50.47
1986	9	5	42.22	14.27	34.90	42.22	13.20	35.58	42.22	11.65	36.57
1986	9	6	35.06	14.27	27.25	35.06	13.20	27.96	35.06	11.65	29.02
1986	10	1	62.75	14.27	44.12	62.75	13.20	44.47	62.75	11.65	44.97
1986	10	2	47.89	14.27	35.97	47.89	13.20	36.28	47.89	11.65	36.73
1986	10	3	34.03	14.27	24.49	34.03	13.20	24.82	34.03	11.65	25.29
1986	10	4	25.55	14.27	17.54	25.55	13.20	17.83	25.55	11.65	18.26
1986	10	5	20.09	14.27	14.27	20.09	13.20	13.20	20.09	11.65	13.13
1986	10	6	15.82	14.27	14.27	15.82	13.20	13.20	15.82	11.65	11.65
1986	11	1	14.14	15.27	15.27	14.14	14.09	14.09	14.14	12.37	12.37
1986	11	2	12.78	15.27	15.27	12.78	14.09	14.09	12.78	12.37	12.37
1986	11	3	12.42	15.27	15.27	12.42	14.09	14.09	12.42	12.37	12.37
1986	11	4	11.25	15.27	15.27	11.25	14.09	14.09	11.25	12.37	12.37
1986	11	5	10.73	15.27	15.27	10.73	14.09	14.09	10.73	12.37	12.37
1986	11	6	9.43	15.27	15.27	9.43	14.09	14.09	9.43	12.37	12.37
1986	12	1	9.02	15.27	15.27	9.02	14.09	14.09	9.02	12.37	12.37
1986	12	2	8.36	15.27	15.27	8.36	14.09	14.09	8.36	12.37	12.37
1986	12	3	13.90	15.27	15.27	13.90	14.09	14.09	13.90	12.37	12.37
1986	12	4	29.39	15.27	15.27	29.39	14.09	14.09	29.39	12.37	12.37
1986	12	5	15.53	15.27	15.27	15.53	14.09	14.09	15.53	12.37	12.37
1986	12	6	12.50	15.27	15.27	12.50	14.09	14.09	12.50	12.37	12.37

古谷本郷地点流況(1987年)

単位: m³/s

年度	月	半月	切下げなし			切下げ率11.5%			切下げ率28.2%		
			自然	確保量	操作後	自然	確保量	操作後	自然	確保量	操作後
1987	1	1	10.23	15.27	15.27	10.23	14.09	14.09	10.23	12.37	12.37
1987	1	2	10.19	15.27	15.27	10.19	14.09	14.09	10.19	12.37	12.37
1987	1	3	10.30	15.27	15.27	10.30	14.09	14.09	10.30	12.37	12.37
1987	1	4	9.71	15.27	15.27	9.71	14.09	14.09	9.71	12.37	12.37
1987	1	5	8.86	15.27	15.27	8.86	14.09	14.09	8.86	12.37	12.37
1987	1	6	8.49	15.27	15.27	8.49	14.09	14.09	8.49	12.37	12.37
1987	2	1	9.61	15.27	15.27	9.61	14.09	14.09	9.61	12.37	12.37
1987	2	2	10.27	15.27	15.27	10.27	14.09	14.09	10.27	12.37	12.37
1987	2	3	11.35	15.27	15.27	11.35	14.09	14.09	11.35	12.37	12.37
1987	2	4	9.50	15.27	15.27	9.50	14.09	14.09	9.50	12.37	12.37
1987	2	5	10.55	15.27	15.27	10.55	14.09	14.09	10.55	12.37	12.37
1987	2	6	9.72	15.27	15.27	9.72	14.09	14.09	9.72	12.37	12.37
1987	3	1	8.16	15.27	15.27	8.16	14.09	14.09	8.16	12.37	12.37
1987	3	2	9.32	15.27	15.27	9.32	14.09	14.09	9.32	12.37	12.37
1987	3	3	12.27	15.27	15.27	12.27	14.09	14.09	12.27	12.37	12.37
1987	3	4	11.71	15.27	12.06	11.71	14.09	14.09	11.71	12.37	12.37
1987	3	5	23.76	15.27	15.27	23.76	14.09	14.09	23.76	12.37	12.37
1987	3	6	13.70	15.27	12.93	13.70	14.09	14.09	13.70	12.37	12.37
1987	4	1	8.72	15.27	6.72	8.72	14.09	14.09	8.72	12.37	12.37
1987	4	2	8.17	15.27	6.77	8.17	14.09	14.09	8.17	12.37	12.37
1987	4	3	10.24	15.27	6.31	10.24	14.09	14.09	10.24	12.37	12.37
1987	4	4	10.00	15.27	6.83	10.00	14.09	14.09	10.00	12.37	12.37
1987	4	5	10.19	15.27	7.43	10.19	14.09	14.09	10.19	12.37	12.37
1987	4	6	10.81	15.27	7.41	10.81	14.09	12.61	10.81	12.37	12.37
1987	5	1	10.86	15.27	7.23	10.86	14.09	7.32	10.86	12.37	12.37
1987	5	2	6.82	15.27	5.19	6.82	14.09	5.19	6.82	12.37	12.37
1987	5	3	11.91	15.27	7.86	11.91	14.09	8.32	11.91	12.37	12.37
1987	5	4	13.25	14.27	10.13	13.25	13.20	10.34	13.25	11.65	11.65
1987	5	5	16.46	14.27	13.27	16.46	13.20	13.20	16.46	11.65	11.65
1987	5	6	10.10	14.27	7.31	10.10	13.20	7.92	10.10	11.65	11.65
1987	6	1	9.34	14.27	5.87	9.34	13.20	6.25	9.34	11.65	11.65
1987	6	2	8.54	14.27	5.03	8.54	13.20	5.03	8.54	11.65	11.65
1987	6	3	9.17	14.27	4.65	9.17	13.20	4.65	9.17	11.65	11.65
1987	6	4	10.45	14.27	5.87	10.45	13.20	5.80	10.45	11.65	11.65
1987	6	5	15.53	14.27	7.43	15.53	13.20	7.43	15.53	11.65	11.65
1987	6	6	11.88	14.27	6.56	11.88	13.20	6.56	11.88	11.65	11.65
1987	7	1	23.34	14.27	11.58	23.34	13.20	11.58	23.34	11.65	11.65
1987	7	2	26.14	14.27	13.14	26.14	13.20	13.20	26.14	11.65	11.65
1987	7	3	15.50	14.27	7.84	15.50	13.20	7.84	15.50	11.65	11.65
1987	7	4	42.95	14.27	15.21	42.95	13.20	15.08	42.95	11.65	14.73
1987	7	5	26.76	14.27	14.27	26.76	13.20	13.20	26.76	11.65	11.65
1987	7	6	17.06	14.27	14.27	17.06	13.20	13.20	17.06	11.65	11.65
1987	8	1	14.21	14.27	10.50	14.21	13.20	12.78	14.21	11.65	11.65
1987	8	2	10.72	14.27	4.31	10.72	13.20	4.31	10.72	11.65	11.65
1987	8	3	18.69	14.27	4.20	18.69	13.20	4.25	18.69	11.65	11.65
1987	8	4	38.63	14.27	14.27	38.63	13.20	13.20	38.63	11.65	14.15
1987	8	5	31.26	14.27	14.27	31.26	13.20	13.20	31.26	11.65	11.65
1987	8	6	18.85	14.27	14.27	18.85	13.20	13.20	18.85	11.65	11.65
1987	9	1	37.91	14.27	14.27	37.91	13.20	13.20	37.91	11.65	13.63
1987	9	2	149.17	14.27	107.89	149.17	13.20	110.30	149.17	11.65	122.67
1987	9	3	114.36	14.27	74.03	114.36	13.20	81.25	114.36	11.65	83.35
1987	9	4	92.41	14.27	57.13	92.41	13.20	58.76	92.41	11.65	60.87
1987	9	5	103.73	14.27	79.89	103.73	13.20	80.57	103.73	11.65	81.55
1987	9	6	106.59	14.27	78.95	106.59	13.20	79.98	106.59	11.65	81.65
1987	10	1	47.35	14.27	27.92	47.35	13.20	28.27	47.35	11.65	28.77
1987	10	2	29.44	14.27	20.04	29.44	13.20	20.35	29.44	11.65	20.80
1987	10	3	20.82	14.27	14.27	20.82	13.20	13.51	20.82	11.65	13.98
1987	10	4	56.95	14.27	43.12	56.95	13.20	44.50	56.95	11.65	44.93
1987	10	5	34.74	14.27	25.85	34.74	13.20	26.21	34.74	11.65	26.72
1987	10	6	32.17	14.27	24.72	32.17	13.20	25.01	32.17	11.65	25.44
1987	11	1	38.59	15.27	29.90	38.59	14.09	30.16	38.59	12.37	30.53
1987	11	2	38.63	15.27	29.22	38.63	14.09	29.49	38.63	12.37	29.89
1987	11	3	22.73	15.27	15.34	22.73	14.09	15.68	22.73	12.37	16.17
1987	11	4	19.74	15.27	15.27	19.74	14.09	14.09	19.74	12.37	13.64
1987	11	5	14.66	15.27	15.27	14.66	14.09	14.09	14.66	12.37	12.37
1987	11	6	15.12	15.27	15.27	15.12	14.09	14.09	15.12	12.37	12.37
1987	12	1	11.81	15.27	15.27	11.81	14.09	14.09	11.81	12.37	12.37
1987	12	2	14.14	15.27	15.27	14.14	14.09	14.09	14.14	12.37	12.37
1987	12	3	19.93	15.27	15.27	19.93	14.09	14.09	19.93	12.37	12.37
1987	12	4	15.73	15.27	15.27	15.73	14.09	14.09	15.73	12.37	12.37
1987	12	5	12.47	15.27	15.27	12.47	14.09	14.09	12.47	12.37	12.37
1987	12	6	11.02	15.27	15.27	11.02	14.09	14.09	11.02	12.37	12.37

古谷本郷地点流況(1988年)

単位: m³/s

年度	月	半旬	切下げなし			切下げ率11.5%			切下げ率28.2%		
			自然	確保量	操作後	自然	確保量	操作後	自然	確保量	操作後
1988	1	1	10.12	15.27	15.27	10.12	14.09	14.09	10.12	12.37	12.37
1988	1	2	10.58	15.27	15.27	10.58	14.09	14.09	10.58	12.37	12.37
1988	1	3	9.00	15.27	15.27	9.00	14.09	14.09	9.00	12.37	12.37
1988	1	4	8.27	15.27	15.27	8.27	14.09	14.09	8.27	12.37	12.37
1988	1	5	9.81	15.27	15.27	9.81	14.09	14.09	9.81	12.37	12.37
1988	1	6	8.87	15.27	15.27	8.87	14.09	14.09	8.87	12.37	12.37
1988	2	1	8.78	15.27	15.27	8.78	14.09	14.09	8.78	12.37	12.37
1988	2	2	8.40	15.27	15.27	8.40	14.09	14.09	8.40	12.37	12.37
1988	2	3	7.63	15.27	15.27	7.63	14.09	14.09	7.63	12.37	12.37
1988	2	4	7.34	15.27	15.27	7.34	14.09	14.09	7.34	12.37	12.37
1988	2	5	7.48	15.27	15.27	7.48	14.09	14.09	7.48	12.37	12.37
1988	2	6	8.62	15.27	15.27	8.62	14.09	14.09	8.62	12.37	12.37
1988	3	1	9.63	15.27	15.27	9.63	14.09	14.09	9.63	12.37	12.37
1988	3	2	7.98	15.27	12.28	7.98	14.09	14.09	7.98	12.37	12.37
1988	3	3	9.59	15.27	5.38	9.59	14.09	14.09	9.59	12.37	12.37
1988	3	4	11.76	15.27	7.60	11.76	14.09	14.09	11.76	12.37	12.37
1988	3	5	53.77	15.27	34.02	53.77	14.09	34.38	53.77	12.37	34.92
1988	3	6	38.87	15.27	20.19	38.87	14.09	20.59	38.87	12.37	21.17
1988	4	1	25.20	15.27	15.27	25.20	14.09	15.59	25.20	12.37	16.18
1988	4	2	58.97	15.27	48.80	58.97	14.09	49.30	58.97	12.37	49.89
1988	4	3	58.70	15.27	33.49	58.70	14.09	33.90	58.70	12.37	34.48
1988	4	4	50.56	15.27	33.00	50.56	14.09	33.32	50.56	12.37	33.78
1988	4	5	41.93	15.27	26.23	41.93	14.09	26.55	41.93	12.37	27.01
1988	4	6	26.13	15.27	15.27	26.13	14.09	14.68	26.13	12.37	15.30
1988	5	1	21.24	15.27	15.27	21.24	14.09	14.09	21.24	12.37	12.37
1988	5	2	30.57	15.27	15.27	30.57	14.09	15.65	30.57	12.37	18.43
1988	5	3	23.90	15.27	15.27	23.90	14.09	14.09	23.90	12.37	13.52
1988	5	4	20.80	14.27	14.27	20.80	13.20	13.20	20.80	11.65	13.38
1988	5	5	59.40	14.27	34.99	59.40	13.20	40.75	59.40	11.65	42.54
1988	5	6	44.47	14.27	33.02	44.47	13.20	33.28	44.47	11.65	34.01
1988	6	1	51.28	14.27	33.39	51.28	13.20	33.76	51.28	11.65	35.34
1988	6	2	31.94	14.27	17.19	31.94	13.20	17.77	31.94	11.65	19.50
1988	6	3	23.35	14.27	14.27	23.35	13.20	13.20	23.35	11.65	14.17
1988	6	4	28.74	14.27	14.27	28.74	13.20	14.30	28.74	11.65	17.46
1988	6	5	27.73	14.27	14.27	27.73	13.20	13.20	27.73	11.65	14.92
1988	6	6	219.39	14.27	207.57	219.39	13.20	230.04	219.39	11.65	277.17
1988	7	1	156.15	14.27	134.68	156.15	13.20	136.79	156.15	11.65	145.80
1988	7	2	49.82	14.27	36.52	49.82	13.20	37.95	49.82	11.65	43.09
1988	7	3	35.49	14.27	22.44	35.49	13.20	24.00	35.49	11.65	28.46
1988	7	4	161.39	14.27	146.60	161.39	13.20	148.11	161.39	11.65	154.67
1988	7	5	71.71	14.27	54.60	71.71	13.20	57.91	71.71	11.65	62.64
1988	7	6	202.55	14.27	180.14	202.55	13.20	189.66	202.55	11.65	192.64
1988	8	1	74.65	14.27	56.66	74.65	13.20	61.74	74.65	11.65	64.81
1988	8	2	92.44	14.27	77.22	92.44	13.20	79.36	92.44	11.65	82.46
1988	8	3	545.17	14.27	529.99	545.17	13.20	532.08	545.17	11.65	535.11
1988	8	4	512.82	14.27	502.35	512.82	13.20	503.90	512.82	11.65	506.14
1988	8	5	194.33	14.27	181.66	194.33	13.20	183.40	194.33	11.65	185.93
1988	8	6	362.34	14.27	349.25	362.34	13.20	351.00	362.34	11.65	353.53
1988	9	1	169.57	14.27	153.02	169.57	13.20	154.92	169.57	11.65	157.68
1988	9	2	150.29	14.27	130.15	150.29	13.20	131.97	150.29	11.65	134.62
1988	9	3	134.43	14.27	117.51	134.43	13.20	118.96	134.43	11.65	121.06
1988	9	4	150.68	14.27	133.70	150.68	13.20	135.15	150.68	11.65	137.26
1988	9	5	202.49	14.27	191.50	202.49	13.20	192.18	202.49	11.65	193.16
1988	9	6	526.35	14.27	514.92	526.35	13.20	515.65	526.35	11.65	516.71
1988	10	1	131.28	14.27	84.75	131.28	13.20	85.20	131.28	11.65	85.85
1988	10	2	111.70	14.27	83.53	111.70	13.20	83.88	111.70	11.65	84.48
1988	10	3	67.68	14.27	52.94	67.68	13.20	53.27	67.68	11.65	53.74
1988	10	4	45.31	14.27	33.95	45.31	13.20	34.24	45.31	11.65	34.67
1988	10	5	32.26	14.27	23.52	32.26	13.20	23.88	32.26	11.65	24.39
1988	10	6	24.79	14.27	18.25	24.79	13.20	18.54	24.79	11.65	18.97
1988	11	1	19.85	15.27	15.27	19.85	14.09	15.21	19.85	12.37	15.47
1988	11	2	17.02	15.27	15.27	17.02	14.09	14.09	17.02	12.37	13.11
1988	11	3	14.49	15.27	15.27	14.49	14.09	14.09	14.49	12.37	12.37
1988	11	4	15.60	15.27	15.27	15.60	14.09	14.09	15.60	12.37	12.37
1988	11	5	14.22	15.27	15.27	14.22	14.09	14.09	14.22	12.37	12.37
1988	11	6	14.55	15.27	15.27	14.55	14.09	14.09	14.55	12.37	12.37
1988	12	1	12.26	15.27	15.27	12.26	14.09	14.09	12.26	12.37	12.37
1988	12	2	11.87	15.27	15.27	11.87	14.09	14.09	11.87	12.37	12.37
1988	12	3	11.72	15.27	15.27	11.72	14.09	14.09	11.72	12.37	12.37
1988	12	4	11.16	15.27	15.27	11.16	14.09	14.09	11.16	12.37	12.37
1988	12	5	9.69	15.27	15.27	9.69	14.09	14.09	9.69	12.37	12.37
1988	12	6	10.02	15.27	15.27	10.02	14.09	14.09	10.02	12.37	12.37

古谷本郷地点流況(1989年)

単位: m³/s

年度	月	半旬	切下げなし			切下げ率11.5%			切下げ率28.2%		
			自然	確保量	操作後	自然	確保量	操作後	自然	確保量	操作後
1989	1	1	10.19	15.27	15.27	10.19	14.09	14.09	10.19	12.37	12.37
1989	1	2	9.58	15.27	15.27	9.58	14.09	14.09	9.58	12.37	12.37
1989	1	3	12.74	15.27	15.27	12.74	14.09	14.09	12.74	12.37	12.37
1989	1	4	10.74	15.27	15.27	10.74	14.09	14.09	10.74	12.37	12.37
1989	1	5	24.88	15.27	15.27	24.88	14.09	14.09	24.88	12.37	12.37
1989	1	6	14.64	15.27	15.27	14.64	14.09	14.09	14.64	12.37	12.37
1989	2	1	11.84	15.27	15.27	11.84	14.09	14.09	11.84	12.37	12.37
1989	2	2	12.97	15.27	15.27	12.97	14.09	14.09	12.97	12.37	12.37
1989	2	3	15.14	15.27	15.27	15.14	14.09	14.09	15.14	12.37	12.37
1989	2	4	21.29	15.27	15.27	21.29	14.09	14.09	21.29	12.37	12.37
1989	2	5	15.08	15.27	15.27	15.08	14.09	14.09	15.08	12.37	12.37
1989	2	6	41.87	15.27	20.11	41.87	14.09	20.45	41.87	12.37	20.93
1989	3	1	28.72	15.27	15.27	28.72	14.09	14.09	28.72	12.37	12.37
1989	3	2	57.72	15.27	35.80	57.72	14.09	36.18	57.72	12.37	39.78
1989	3	3	32.65	15.27	15.44	32.65	14.09	17.35	32.65	12.37	24.60
1989	3	4	23.02	15.27	15.27	23.02	14.09	14.35	23.02	12.37	15.92
1989	3	5	18.80	15.27	15.27	18.80	14.09	14.09	18.80	12.37	13.11
1989	3	6	28.46	15.27	15.48	28.46	14.09	18.25	28.46	12.37	21.49
1989	4	1	22.96	15.27	15.27	22.96	14.09	14.65	22.96	12.37	16.48
1989	4	2	43.67	15.27	25.39	43.67	14.09	26.83	43.67	12.37	31.77
1989	4	3	49.97	15.27	34.56	49.97	14.09	36.26	49.97	12.37	40.15
1989	4	4	36.98	15.27	22.29	36.98	14.09	26.27	36.98	12.37	28.65
1989	4	5	61.20	15.27	47.92	61.20	14.09	48.73	61.20	12.37	51.15
1989	4	6	68.56	15.27	52.44	68.56	14.09	55.74	68.56	12.37	56.36
1989	5	1	35.05	15.27	23.36	35.05	14.09	24.48	35.05	12.37	25.07
1989	5	2	42.94	15.27	32.17	42.94	14.09	32.50	42.94	12.37	32.97
1989	5	3	119.09	15.27	101.46	119.09	14.09	101.92	119.09	12.37	110.35
1989	5	4	53.72	14.27	42.41	53.72	13.20	42.70	53.72	11.65	51.25
1989	5	5	38.22	14.27	28.87	38.22	13.20	30.05	38.22	11.65	35.52
1989	5	6	94.20	14.27	77.84	94.20	13.20	86.65	94.20	11.65	91.91
1989	6	1	37.01	14.27	27.93	37.01	13.20	31.02	37.01	11.65	34.07
1989	6	2	28.31	14.27	20.21	28.31	13.20	21.30	28.31	11.65	24.05
1989	6	3	25.41	14.27	17.89	25.41	13.20	18.49	25.41	11.65	20.95
1989	6	4	154.56	14.27	139.37	154.56	13.20	146.53	154.56	11.65	148.19
1989	6	5	134.54	14.27	116.73	134.54	13.20	123.69	134.54	11.65	125.74
1989	6	6	125.70	14.27	271.26	125.70	13.20	277.75	125.70	11.65	280.77
1989	7	1	75.57	14.27	60.02	75.57	13.20	62.14	75.57	11.65	65.22
1989	7	2	62.98	14.27	52.47	62.98	13.20	54.01	62.98	11.65	56.25
1989	7	3	68.39	14.27	57.29	68.39	13.20	58.95	68.39	11.65	61.36
1989	7	4	104.29	14.27	93.61	104.29	13.20	95.22	104.29	11.65	97.57
1989	7	5	49.53	14.27	35.54	49.53	13.20	37.55	49.53	11.65	40.46
1989	7	6	262.06	14.27	247.12	262.06	13.20	249.17	262.06	11.65	252.15
1989	8	1	307.79	14.27	292.76	307.79	13.20	294.88	307.79	11.65	297.95
1989	8	2	438.04	14.27	422.82	438.04	13.20	424.96	438.04	11.65	428.06
1989	8	3	83.38	14.27	68.20	83.38	13.20	70.29	83.38	11.65	73.32
1989	8	4	116.39	14.27	105.92	116.39	13.20	107.47	116.39	11.65	109.71
1989	8	5	51.79	14.27	39.12	51.79	13.20	40.86	51.79	11.65	43.39
1989	8	6	316.06	14.27	302.97	316.06	13.20	304.72	316.06	11.65	307.25
1989	9	1	107.87	14.27	91.32	107.87	13.20	93.22	107.87	11.65	95.98
1989	9	2	87.92	14.27	67.78	87.92	13.20	69.60	87.92	11.65	72.25
1989	9	3	51.59	14.27	34.67	51.59	13.20	36.12	51.59	11.65	38.22
1989	9	4	103.39	14.27	86.41	103.39	13.20	87.86	103.39	11.65	89.97
1989	9	5	143.68	14.27	132.69	143.68	13.20	133.37	143.68	11.65	134.35
1989	9	6	66.80	14.27	55.37	66.80	13.20	56.10	66.80	11.65	57.16
1989	10	1	54.68	14.27	28.75	54.68	13.20	29.13	54.68	11.65	29.78
1989	10	2	98.26	14.27	59.65	98.26	13.20	60.06	98.26	11.65	60.67
1989	10	3	144.40	14.27	101.22	144.40	13.20	101.65	144.40	11.65	102.28
1989	10	4	78.62	14.27	59.90	78.62	13.20	60.27	78.62	11.65	60.86
1989	10	5	56.14	14.27	42.52	56.14	13.20	42.88	56.14	11.65	43.41
1989	10	6	34.42	14.27	24.19	34.42	13.20	24.49	34.42	11.65	24.91
1989	11	1	29.98	15.27	22.60	29.98	14.09	22.86	29.98	12.37	23.23
1989	11	2	24.32	15.27	17.91	24.32	14.09	18.18	24.32	12.37	18.58
1989	11	3	20.77	15.27	15.27	20.77	14.09	15.04	20.77	12.37	15.53
1989	11	4	20.90	15.27	15.27	20.90	14.09	15.65	20.90	12.37	16.18
1989	11	5	17.83	15.27	15.27	17.83	14.09	14.09	17.83	12.37	13.60
1989	11	6	17.37	15.27	15.27	17.37	14.09	14.09	17.37	12.37	13.89
1989	12	1	14.87	15.27	15.27	14.87	14.09	14.09	14.87	12.37	12.37
1989	12	2	13.91	15.27	15.27	13.91	14.09	14.09	13.91	12.37	12.37
1989	12	3	14.21	15.27	15.27	14.21	14.09	14.09	14.21	12.37	12.37
1989	12	4	13.66	15.27	15.27	13.66	14.09	14.09	13.66	12.37	12.37
1989	12	5	13.34	15.27	15.27	13.34	14.09	14.09	13.34	12.37	12.37
1989	12	6	13.82	15.27	15.27	13.82	14.09	14.09	13.82	12.37	12.37

古谷本郷地点流況(1990年)

単位: m³/s

年度	月	半旬	切下げなし			切下げ率11.5%			切下げ率28.2%		
			自然	確保量	操作後	自然	確保量	操作後	自然	確保量	操作後
1990	1	1	11.13	15.27	15.27	11.13	14.09	14.09	11.13	12.37	12.37
1990	1	2	10.25	15.27	15.27	10.25	14.09	14.09	10.25	12.37	12.37
1990	1	3	10.40	15.27	15.27	10.40	14.09	14.09	10.40	12.37	12.37
1990	1	4	11.08	15.27	15.27	11.08	14.09	14.09	11.08	12.37	12.37
1990	1	5	11.17	15.27	15.27	11.17	14.09	14.09	11.17	12.37	12.37
1990	1	6	9.93	15.27	15.27	9.93	14.09	14.09	9.93	12.37	12.37
1990	2	1	12.98	15.27	15.27	12.98	14.09	14.09	12.98	12.37	12.37
1990	2	2	17.78	15.27	15.27	17.78	14.09	14.09	17.78	12.37	12.37
1990	2	3	13.80	15.27	15.27	13.80	14.09	14.09	13.80	12.37	12.37
1990	2	4	16.84	15.27	15.27	16.84	14.09	14.09	16.84	12.37	12.37
1990	2	5	18.23	15.27	15.27	18.23	14.09	14.09	18.23	12.37	12.37
1990	2	6	28.16	15.27	15.27	28.16	14.09	14.09	28.16	12.37	12.37
1990	3	1	58.30	15.27	37.47	58.30	14.09	37.82	58.30	12.37	39.02
1990	3	2	28.78	15.27	15.27	28.78	14.09	14.09	28.78	12.37	12.87
1990	3	3	21.08	15.27	15.27	21.08	14.09	14.09	21.08	12.37	15.39
1990	3	4	17.74	15.27	15.27	17.74	14.09	14.09	17.74	12.37	12.67
1990	3	5	16.71	15.27	15.27	16.71	14.09	14.09	16.71	12.37	12.37
1990	3	6	18.84	15.27	15.27	18.84	14.09	14.09	18.84	12.37	14.05
1990	4	1	42.16	15.27	20.82	42.16	14.09	21.23	42.16	12.37	35.54
1990	4	2	23.89	15.27	15.27	23.89	14.09	14.09	23.89	12.37	18.61
1990	4	3	21.90	15.27	15.27	21.90	14.09	14.09	21.90	12.37	16.76
1990	4	4	72.04	15.27	46.62	72.04	14.09	58.98	72.04	12.37	62.99
1990	4	5	108.63	15.27	88.27	108.63	14.09	96.74	108.63	12.37	98.08
1990	4	6	46.28	15.27	36.60	46.28	14.09	37.02	46.28	12.37	42.08
1990	5	1	27.20	15.27	19.89	27.20	14.09	20.30	27.20	12.37	23.98
1990	5	2	31.85	15.27	25.35	31.85	14.09	25.68	31.85	12.37	29.14
1990	5	3	25.50	15.27	19.28	25.50	14.09	19.64	25.50	12.37	22.59
1990	5	4	20.63	14.27	15.43	20.63	13.20	15.72	20.63	11.65	18.16
1990	5	5	18.51	14.27	14.27	18.51	13.20	13.81	18.51	11.65	15.81
1990	5	6	15.41	14.27	14.27	15.41	13.20	13.20	15.41	11.65	13.12
1990	6	1	15.23	14.27	14.27	15.23	13.20	13.20	15.23	11.65	12.29
1990	6	2	14.16	14.27	14.27	14.16	13.20	13.20	14.16	11.65	11.65
1990	6	3	18.14	14.27	14.27	18.14	13.20	13.20	18.14	11.65	11.93
1990	6	4	16.24	14.27	14.27	16.24	13.20	13.20	16.24	11.65	12.04
1990	6	5	12.04	14.27	14.27	12.04	13.20	13.20	12.04	11.65	11.65
1990	6	6	14.65	14.27	95.06	14.65	13.20	129.01	14.65	11.65	158.55
1990	7	1	14.85	14.27	14.27	14.85	13.20	13.20	14.85	11.65	11.65
1990	7	2	15.54	14.27	14.27	15.54	13.20	13.20	15.54	11.65	11.65
1990	7	3	21.55	14.27	14.27	21.55	13.20	13.20	21.55	11.65	11.65
1990	7	4	14.35	14.27	14.27	14.35	13.20	13.20	14.35	11.65	11.65
1990	7	5	13.18	14.27	14.27	13.18	13.20	13.20	13.18	11.65	11.65
1990	7	6	16.23	14.27	14.27	16.23	13.20	13.20	16.23	11.65	11.65
1990	8	1	6.80	14.27	14.27	6.80	13.20	13.20	6.80	11.65	11.65
1990	8	2	290.39	14.27	211.82	290.39	13.20	221.38	290.39	11.65	248.98
1990	8	3	157.58	14.27	117.28	157.58	13.20	130.09	157.58	11.65	139.04
1990	8	4	23.84	14.27	14.27	23.84	13.20	15.27	23.84	11.65	17.36
1990	8	5	14.94	14.27	14.27	14.94	13.20	13.20	14.94	11.65	11.65
1990	8	6	12.87	14.27	14.27	12.87	13.20	13.20	12.87	11.65	11.65
1990	9	1	10.09	14.27	14.27	10.09	13.20	13.20	10.09	11.65	11.65
1990	9	2	13.26	14.27	14.27	13.26	13.20	13.20	13.26	11.65	11.65
1990	9	3	52.43	14.27	25.76	52.43	13.20	25.81	52.43	11.65	25.87
1990	9	4	207.36	14.27	158.77	207.36	13.20	160.23	207.36	11.65	163.54
1990	9	5	94.11	14.27	71.77	94.11	13.20	72.75	94.11	11.65	84.00
1990	9	6	461.45	14.27	417.76	461.45	13.20	441.15	461.45	11.65	450.62
1990	10	1	520.94	14.27	439.11	520.94	13.20	439.56	520.94	11.65	440.22
1990	10	2	226.97	14.27	195.18	226.97	13.20	195.59	226.97	11.65	196.20
1990	10	3	105.26	14.27	86.19	105.26	13.20	86.56	105.26	11.65	87.96
1990	10	4	56.11	14.27	43.68	56.11	13.20	43.98	56.11	11.65	45.05
1990	10	5	35.36	14.27	25.58	35.36	13.20	25.94	35.36	11.65	26.45
1990	10	6	42.55	14.27	33.43	42.55	13.20	33.73	42.55	11.65	34.15
1990	11	1	92.58	15.27	82.40	92.58	14.09	82.66	92.58	12.37	83.03
1990	11	2	62.06	15.27	50.60	62.06	14.09	50.87	62.06	12.37	51.27
1990	11	3	36.74	15.27	27.91	36.74	14.09	28.25	36.74	12.37	28.74
1990	11	4	25.81	15.27	19.06	25.81	14.09	19.54	25.81	12.37	21.20
1990	11	5	21.17	15.27	15.27	21.17	14.09	16.23	21.17	12.37	16.92
1990	11	6	446.91	15.27	431.66	446.91	14.09	432.29	446.91	12.37	432.88
1990	12	1	489.28	15.27	480.52	489.28	14.09	481.76	489.28	12.37	482.37
1990	12	2	71.39	15.27	67.57	71.39	14.09	68.01	71.39	12.37	68.65
1990	12	3	74.97	15.27	71.23	74.97	14.09	71.66	74.97	12.37	72.28
1990	12	4	40.04	15.27	36.30	40.04	14.09	36.73	40.04	12.37	37.35
1990	12	5	29.65	15.27	25.91	29.65	14.09	26.34	29.65	12.37	26.96
1990	12	6	23.50	15.27	19.99	23.50	14.09	20.40	23.50	12.37	20.98

古谷本郷地点流況(1991年)

単位: m³/s

年度	月	半旬	切下げなし			切下げ率11.5%			切下げ率28.2%		
			自然	確保量	操作後	自然	確保量	操作後	自然	確保量	操作後
1991	1	1	19.17	15.27	16.32	19.17	14.09	16.60	19.17	12.37	17.02
1991	1	2	17.40	15.27	15.27	17.40	14.09	14.70	17.40	12.37	15.21
1991	1	3	16.76	15.27	15.27	16.76	14.09	14.09	16.76	12.37	14.41
1991	1	4	14.32	15.27	15.27	14.32	14.09	14.09	14.32	12.37	12.37
1991	1	5	23.28	15.27	15.27	23.28	14.09	16.90	23.28	12.37	19.96
1991	1	6	15.04	15.27	15.27	15.04	14.09	14.09	15.04	12.37	12.57
1991	2	1	12.44	15.27	15.27	12.44	14.09	14.09	12.44	12.37	12.37
1991	2	2	12.56	15.27	15.27	12.56	14.09	14.09	12.56	12.37	12.37
1991	2	3	12.78	15.27	15.27	12.78	14.09	14.09	12.78	12.37	12.37
1991	2	4	28.95	15.27	15.27	28.95	14.09	15.74	28.95	12.37	18.16
1991	2	5	14.83	15.27	15.27	14.83	14.09	14.09	14.83	12.37	12.37
1991	2	6	14.38	15.27	15.27	14.38	14.09	14.09	14.38	12.37	12.37
1991	3	1	10.97	15.27	15.27	10.97	14.09	14.09	10.97	12.37	12.37
1991	3	2	11.38	15.27	15.27	11.38	14.09	14.09	11.38	12.37	12.37
1991	3	3	12.40	15.27	15.27	12.40	14.09	14.09	12.40	12.37	12.37
1991	3	4	10.59	15.27	15.27	10.59	14.09	14.09	10.59	12.37	12.37
1991	3	5	45.71	15.27	17.29	45.71	14.09	21.32	45.71	12.37	32.00
1991	3	6	31.30	15.27	15.27	31.30	14.09	14.46	31.30	12.37	22.79
1991	4	1	32.83	15.27	15.27	32.83	14.09	26.48	32.83	12.37	28.84
1991	4	2	85.45	15.27	73.90	85.45	14.09	80.08	85.45	12.37	80.83
1991	4	3	43.42	15.27	38.37	43.42	14.09	38.88	43.42	12.37	40.16
1991	4	4	23.12	15.27	19.06	23.12	14.09	19.48	23.12	12.37	20.47
1991	4	5	18.96	15.27	15.27	18.96	14.09	15.57	18.96	12.37	16.32
1991	4	6	19.48	15.27	15.27	19.48	14.09	15.54	19.48	12.37	16.20
1991	5	1	16.74	15.27	15.27	16.74	14.09	14.09	16.74	12.37	13.81
1991	5	2	16.63	15.27	15.27	16.63	14.09	14.09	16.63	12.37	14.21
1991	5	3	18.00	15.27	15.27	18.00	14.09	14.09	18.00	12.37	15.13
1991	5	4	15.43	14.27	14.27	15.43	13.20	13.20	15.43	11.65	12.69
1991	5	5	13.60	14.27	14.27	13.60	13.20	13.20	13.60	11.65	11.65
1991	5	6	14.63	14.27	14.27	14.63	13.20	13.20	14.63	11.65	11.65
1991	6	1	25.00	14.27	14.27	25.00	13.20	13.79	25.00	11.65	21.54
1991	6	2	17.84	14.27	14.27	17.84	13.20	13.20	17.84	11.65	13.58
1991	6	3	18.13	14.27	14.27	18.13	13.20	13.20	18.13	11.65	13.67
1991	6	4	26.74	14.27	14.27	26.74	13.20	17.14	26.74	11.65	20.37
1991	6	5	86.46	14.27	63.00	86.46	13.20	75.61	86.46	11.65	77.66
1991	6	6	41.43	14.27	188.76	41.43	13.20	193.48	41.43	11.65	196.50
1991	7	1	35.62	14.27	20.07	35.62	13.20	22.19	35.62	11.65	25.27
1991	7	2	68.54	14.27	58.03	68.54	13.20	59.57	68.54	11.65	61.81
1991	7	3	40.75	14.27	29.65	40.75	13.20	31.31	40.75	11.65	33.72
1991	7	4	44.16	14.27	33.48	44.16	13.20	35.09	44.16	11.65	37.44
1991	7	5	25.96	14.27	14.27	25.96	13.20	14.16	25.96	11.65	16.89
1991	7	6	20.20	14.27	14.27	20.20	13.20	13.20	20.20	11.65	11.65
1991	8	1	55.33	14.27	28.08	55.33	13.20	35.27	55.33	11.65	43.85
1991	8	2	50.66	14.27	34.56	50.66	13.20	37.38	50.66	11.65	40.68
1991	8	3	56.49	14.27	40.88	56.49	13.20	43.40	56.49	11.65	46.43
1991	8	4	167.59	14.27	157.12	167.59	13.20	158.67	167.59	11.65	160.91
1991	8	5	851.51	14.27	838.84	851.51	13.20	840.58	851.51	11.65	843.11
1991	8	6	169.29	14.27	156.20	169.29	13.20	157.95	169.29	11.65	160.48
1991	9	1	157.83	14.27	141.28	157.83	13.20	143.18	157.83	11.65	145.94
1991	9	2	192.40	14.27	172.26	192.40	13.20	174.08	192.40	11.65	176.73
1991	9	3	283.71	14.27	266.79	283.71	13.20	268.24	283.71	11.65	270.34
1991	9	4	768.52	14.27	751.54	768.52	13.20	752.99	768.52	11.65	755.10
1991	9	5	250.28	14.27	239.29	250.28	13.20	239.97	250.28	11.65	240.95
1991	9	6	91.57	14.27	80.14	91.57	13.20	80.87	91.57	11.65	81.93
1991	10	1	318.23	14.27	250.62	318.23	13.20	251.07	318.23	11.65	251.73
1991	10	2	386.07	14.27	341.46	386.07	13.20	341.87	386.07	11.65	342.48
1991	10	3	1092.13	14.27	1011.07	1092.13	13.20	1011.50	1092.13	11.65	1012.13
1991	10	4	178.83	14.27	175.34	178.83	13.20	175.74	178.83	11.65	176.33
1991	10	5	96.18	14.27	92.17	96.18	13.20	92.63	96.18	11.65	93.30
1991	10	6	169.19	14.27	165.69	169.19	13.20	166.10	169.19	11.65	166.68
1991	11	1	62.54	15.27	59.35	62.54	14.09	59.72	62.54	12.37	60.25
1991	11	2	43.84	15.27	40.55	43.84	14.09	40.93	43.84	12.37	41.48
1991	11	3	34.69	15.27	30.79	34.69	14.09	31.24	34.69	12.37	31.89
1991	11	4	30.47	15.27	26.34	30.47	14.09	26.81	30.47	12.37	27.50
1991	11	5	27.93	15.27	23.81	27.93	14.09	24.28	27.93	12.37	24.97
1991	11	6	38.74	15.27	35.24	38.74	14.09	35.64	38.74	12.37	36.23
1991	12	1	21.56	15.27	17.93	21.56	14.09	18.34	21.56	12.37	18.95
1991	12	2	19.71	15.27	15.89	19.71	14.09	16.33	19.71	12.37	16.97
1991	12	3	17.44	15.27	15.27	17.44	14.09	14.13	17.44	12.37	14.75
1991	12	4	15.37	15.27	15.27	15.37	14.09	14.09	15.37	12.37	12.97
1991	12	5	15.44	15.27	15.27	15.44	14.09	14.09	15.44	12.37	12.95
1991	12	6	19.23	15.27	15.27	19.23	14.09	14.09	19.23	12.37	16.60

古谷本郷地点流況(1992年)

単位: m³/s

年度	月	半旬	切下げなし			切下げ率11.5%			切下げ率28.2%		
			自然	確保量	操作後	自然	確保量	操作後	自然	確保量	操作後
1992	1	1	14.61	15.27	15.27	14.61	14.09	14.09	14.61	12.37	12.61
1992	1	2	16.88	15.27	15.27	16.88	14.09	14.09	16.88	12.37	14.69
1992	1	3	14.40	15.27	15.27	14.40	14.09	14.09	14.40	12.37	12.37
1992	1	4	15.28	15.27	15.27	15.28	14.09	14.09	15.28	12.37	12.59
1992	1	5	17.54	15.27	15.27	17.54	14.09	14.09	17.54	12.37	15.17
1992	1	6	12.89	15.27	15.27	12.89	14.09	14.09	12.89	12.37	12.37
1992	2	1	19.80	15.27	15.27	19.80	14.09	14.09	19.80	12.37	14.82
1992	2	2	15.81	15.27	15.27	15.81	14.09	14.09	15.81	12.37	13.22
1992	2	3	12.24	15.27	15.27	12.24	14.09	14.09	12.24	12.37	12.37
1992	2	4	9.53	15.27	15.27	9.53	14.09	14.09	9.53	12.37	12.37
1992	2	5	10.64	15.27	15.27	10.64	14.09	14.09	10.64	12.37	12.37
1992	2	6	10.93	15.27	15.27	10.93	14.09	14.09	10.93	12.37	12.37
1992	3	1	13.94	15.27	15.27	13.94	14.09	14.09	13.94	12.37	12.37
1992	3	2	16.62	15.27	15.27	16.62	14.09	14.09	16.62	12.37	12.37
1992	3	3	14.26	15.27	15.27	14.26	14.09	14.09	14.26	12.37	12.37
1992	3	4	21.21	15.27	15.27	21.21	14.09	14.09	21.21	12.37	12.37
1992	3	5	50.45	15.27	27.82	50.45	14.09	28.18	50.45	12.37	36.56
1992	3	6	45.27	15.27	17.44	45.27	14.09	21.60	45.27	12.37	39.12
1992	4	1	54.03	15.27	31.71	54.03	14.09	47.95	54.03	12.37	49.78
1992	4	2	57.25	15.27	40.60	57.25	14.09	52.18	57.25	12.37	53.07
1992	4	3	70.98	15.27	64.40	70.98	14.09	65.75	70.98	12.37	67.79
1992	4	4	32.46	15.27	27.94	32.46	14.09	28.84	32.46	12.37	29.81
1992	4	5	26.76	15.27	22.47	26.76	14.09	23.51	26.76	12.37	24.12
1992	4	6	21.35	15.27	16.56	21.35	14.09	17.25	21.35	12.37	18.03
1992	5	1	25.07	15.27	20.58	25.07	14.09	21.10	25.07	12.37	21.85
1992	5	2	18.13	15.27	15.27	18.13	14.09	14.79	18.13	12.37	15.42
1992	5	3	24.18	15.27	19.22	24.18	14.09	20.59	24.18	12.37	21.27
1992	5	4	29.80	14.27	26.36	29.80	13.20	26.76	29.80	11.65	27.33
1992	5	5	26.40	14.27	22.64	26.40	13.20	23.08	26.40	11.65	23.70
1992	5	6	52.94	14.27	49.75	52.94	13.20	50.12	52.94	11.65	50.65
1992	6	1	40.51	14.27	36.41	40.51	13.20	36.88	40.51	11.65	37.57
1992	6	2	60.02	14.27	54.09	60.02	13.20	54.77	60.02	11.65	55.76
1992	6	3	36.68	14.27	30.47	36.68	13.20	31.19	36.68	11.65	32.22
1992	6	4	39.88	14.27	31.01	39.88	13.20	32.03	39.88	11.65	33.51
1992	6	5	424.34	14.27	412.09	424.34	13.20	413.49	424.34	11.65	415.54
1992	6	6	127.72	14.27	277.69	127.72	13.20	279.77	127.72	11.65	282.79
1992	7	1	134.79	14.27	119.24	134.79	13.20	121.36	134.79	11.65	124.44
1992	7	2	51.46	14.27	40.95	51.46	13.20	42.49	51.46	11.65	44.73
1992	7	3	50.93	14.27	39.83	50.93	13.20	41.49	50.93	11.65	43.90
1992	7	4	115.00	14.27	104.32	115.00	13.20	105.93	115.00	11.65	108.28
1992	7	5	46.73	14.27	32.74	46.73	13.20	34.75	46.73	11.65	37.66
1992	7	6	32.51	14.27	17.57	32.51	13.20	19.62	32.51	11.65	22.60
1992	8	1	81.31	14.27	66.28	81.31	13.20	68.40	81.31	11.65	71.47
1992	8	2	40.86	14.27	25.64	40.86	13.20	27.78	40.86	11.65	30.88
1992	8	3	152.87	14.27	137.69	152.87	13.20	139.78	152.87	11.65	142.81
1992	8	4	57.80	14.27	47.33	57.80	13.20	48.88	57.80	11.65	51.12
1992	8	5	36.45	14.27	23.78	36.45	13.20	25.52	36.45	11.65	28.05
1992	8	6	33.45	14.27	20.36	33.45	13.20	22.11	33.45	11.65	24.64
1992	9	1	20.65	14.27	14.27	20.65	13.20	13.20	20.65	11.65	11.65
1992	9	2	14.71	14.27	14.27	14.71	13.20	13.20	14.71	11.65	11.65
1992	9	3	13.05	14.27	14.27	13.05	13.20	13.20	13.05	11.65	11.65
1992	9	4	13.98	14.27	14.27	13.98	13.20	13.20	13.98	11.65	11.65
1992	9	5	12.60	14.27	14.27	12.60	13.20	13.20	12.60	11.65	11.65
1992	9	6	23.52	14.27	14.27	23.52	13.20	13.20	23.52	11.65	11.65
1992	10	1	24.01	14.27	14.27	24.01	13.20	13.20	24.01	11.65	11.65
1992	10	2	192.17	14.27	148.74	192.17	13.20	149.15	192.17	11.65	149.76
1992	10	3	78.40	14.27	46.93	78.40	13.20	48.34	78.40	11.65	54.28
1992	10	4	151.11	14.27	119.78	151.11	13.20	121.00	151.11	11.65	121.59
1992	10	5	175.53	14.27	138.63	175.53	13.20	139.09	175.53	11.65	139.76
1992	10	6	37.75	14.27	27.61	37.75	13.20	27.66	37.75	11.65	27.72
1992	11	1	28.06	15.27	17.74	28.06	14.09	18.00	28.06	12.37	18.37
1992	11	2	26.84	15.27	17.16	26.84	14.09	17.43	26.84	12.37	17.83
1992	11	3	26.03	15.27	17.50	26.03	14.09	17.84	26.03	12.37	18.33
1992	11	4	27.70	15.27	16.99	27.70	14.09	17.36	27.70	12.37	17.89
1992	11	5	49.16	15.27	32.87	49.16	14.09	33.24	49.16	12.37	34.57
1992	11	6	31.86	15.27	23.30	31.86	14.09	24.23	31.86	12.37	24.79
1992	12	1	24.39	15.27	16.50	24.39	14.09	17.03	24.39	12.37	17.48
1992	12	2	35.43	15.27	24.78	35.43	14.09	25.94	35.43	12.37	28.38
1992	12	3	24.05	15.27	17.57	24.05	14.09	17.90	24.05	12.37	18.37
1992	12	4	18.85	15.27	15.27	18.85	14.09	14.09	18.85	12.37	13.45
1992	12	5	17.80	15.27	15.27	17.80	14.09	14.09	17.80	12.37	12.74
1992	12	6	14.87	15.27	15.27	14.87	14.09	14.09	14.87	12.37	12.37

古谷本郷地点流況(1993年)

単位：m³/s

年度	月	半旬	切下げなし			切下げ率11.5%			切下げ率28.2%		
			自然	確保量	操作後	自然	確保量	操作後	自然	確保量	操作後
1993	1	1	14.36	15.27	15.27	14.36	14.09	14.09	14.36	12.37	12.37
1993	1	2	17.43	15.27	15.27	17.43	14.09	14.09	17.43	12.37	12.37
1993	1	3	15.58	15.27	15.27	15.58	14.09	14.09	15.58	12.37	12.37
1993	1	4	20.06	15.27	15.27	20.06	14.09	14.09	20.06	12.37	13.15
1993	1	5	17.33	15.27	15.27	17.33	14.09	14.09	17.33	12.37	13.51
1993	1	6	37.40	15.27	21.17	37.40	14.09	22.27	37.40	12.37	32.90
1993	2	1	15.47	15.27	15.27	15.47	14.09	14.09	15.47	12.37	12.37
1993	2	2	17.41	15.27	15.27	17.41	14.09	14.09	17.41	12.37	12.37
1993	2	3	13.72	15.27	15.27	13.72	14.09	14.09	13.72	12.37	12.37
1993	2	4	17.21	15.27	15.27	17.21	14.09	14.09	17.21	12.37	12.37
1993	2	5	19.52	15.27	15.27	19.52	14.09	14.09	19.52	12.37	12.37
1993	2	6	14.75	15.27	15.27	14.75	14.09	14.09	14.75	12.37	12.37
1993	3	1	13.82	15.27	15.27	13.82	14.09	14.09	13.82	12.37	12.37
1993	3	2	14.32	15.27	15.27	14.32	14.09	14.09	14.32	12.37	12.37
1993	3	3	12.88	15.27	15.27	12.88	14.09	14.09	12.88	12.37	12.37
1993	3	4	12.89	15.27	15.27	12.89	14.09	14.09	12.89	12.37	12.37
1993	3	5	11.98	15.27	15.27	11.98	14.09	14.09	11.98	12.37	12.37
1993	3	6	14.74	15.27	15.27	14.74	14.09	14.09	14.74	12.37	12.37
1993	4	1	16.33	15.27	15.27	16.33	14.09	14.09	16.33	12.37	12.37
1993	4	2	16.28	15.27	15.27	16.28	14.09	14.09	16.28	12.37	12.37
1993	4	3	14.27	15.27	15.27	14.27	14.09	14.09	14.27	12.37	12.37
1993	4	4	11.62	15.27	15.27	11.62	14.09	14.09	11.62	12.37	12.37
1993	4	5	14.91	15.27	15.27	14.91	14.09	14.09	14.91	12.37	12.37
1993	4	6	13.76	15.27	15.27	13.76	14.09	14.09	13.76	12.37	12.37
1993	5	1	20.29	15.27	15.27	20.29	14.09	14.09	20.29	12.37	12.37
1993	5	2	18.14	15.27	15.27	18.14	14.09	14.09	18.14	12.37	12.37
1993	5	3	47.40	15.27	18.01	47.40	14.09	18.37	47.40	12.37	33.07
1993	5	4	31.09	14.27	14.27	31.09	13.20	13.20	31.09	11.65	19.14
1993	5	5	19.86	14.27	14.27	19.86	13.20	13.20	19.86	11.65	17.16
1993	5	6	14.53	14.27	14.27	14.53	13.20	13.20	14.53	11.65	12.24
1993	6	1	11.83	14.27	14.27	11.83	13.20	13.20	11.83	11.65	11.65
1993	6	2	14.53	14.27	14.27	14.53	13.20	13.20	14.53	11.65	11.65
1993	6	3	17.09	14.27	14.27	17.09	13.20	13.20	17.09	11.65	11.65
1993	6	4	13.22	14.27	14.27	13.22	13.20	13.20	13.22	11.65	11.65
1993	6	5	92.18	14.27	57.30	92.18	13.20	58.60	92.18	11.65	75.41
1993	6	6	39.59	14.27	74.73	39.59	13.20	148.28	39.59	11.65	194.66
1993	7	1	246.48	14.27	230.78	246.48	13.20	233.05	246.48	11.65	236.13
1993	7	2	185.77	14.27	175.26	185.77	13.20	176.80	185.77	11.65	179.04
1993	7	3	69.54	14.27	58.44	69.54	13.20	60.10	69.54	11.65	62.51
1993	7	4	117.45	14.27	106.77	117.45	13.20	108.38	117.45	11.65	110.73
1993	7	5	141.68	14.27	127.69	141.68	13.20	129.70	141.68	11.65	132.61
1993	7	6	193.71	14.27	178.77	193.71	13.20	180.82	193.71	11.65	183.80
1993	8	1	58.87	14.27	43.84	58.87	13.20	45.96	58.87	11.65	49.03
1993	8	2	114.17	14.27	98.95	114.17	13.20	101.09	114.17	11.65	104.19
1993	8	3	85.63	14.27	70.45	85.63	13.20	72.54	85.63	11.65	75.57
1993	8	4	61.61	14.27	51.14	61.61	13.20	52.69	61.61	11.65	54.93
1993	8	5	37.72	14.27	25.05	37.72	13.20	26.79	37.72	11.65	29.32
1993	8	6	552.24	14.27	539.15	552.24	13.20	540.90	552.24	11.65	543.43
1993	9	1	220.85	14.27	204.30	220.85	13.20	206.20	220.85	11.65	208.96
1993	9	2	282.88	14.27	262.74	282.88	13.20	264.56	282.88	11.65	267.21
1993	9	3	175.78	14.27	158.86	175.78	13.20	160.31	175.78	11.65	162.41
1993	9	4	71.05	14.27	54.07	71.05	13.20	55.52	71.05	11.65	57.63
1993	9	5	78.20	14.27	67.21	78.20	13.20	67.89	78.20	11.65	68.87
1993	9	6	53.32	14.27	44.97	53.32	13.20	45.69	53.32	11.65	46.75
1993	10	1	54.77	14.27	32.89	54.77	13.20	33.24	54.77	11.65	33.74
1993	10	2	177.81	14.27	140.40	177.81	13.20	140.81	177.81	11.65	141.42
1993	10	3	71.86	14.27	49.75	71.86	13.20	50.08	71.86	11.65	50.61
1993	10	4	41.89	14.27	28.92	41.89	13.20	29.21	41.89	11.65	29.64
1993	10	5	30.49	14.27	19.56	30.49	13.20	19.92	30.49	11.65	20.43
1993	10	6	25.60	14.27	16.66	25.60	13.20	16.95	25.60	11.65	17.38
1993	11	1	22.29	15.27	15.27	22.29	14.09	15.14	22.29	12.37	15.51
1993	11	2	19.43	15.27	15.27	19.43	14.09	14.09	19.43	12.37	13.38
1993	11	3	115.66	15.27	92.36	115.66	14.09	94.55	115.66	12.37	96.14
1993	11	4	40.73	15.27	31.04	40.73	14.09	31.41	40.73	12.37	31.94
1993	11	5	36.29	15.27	26.84	36.29	14.09	27.21	36.29	12.37	27.74
1993	11	6	24.09	15.27	17.13	24.09	14.09	17.42	24.09	12.37	17.85
1993	12	1	20.79	15.27	15.27	20.79	14.09	14.09	20.79	12.37	14.28
1993	12	2	19.09	15.27	15.27	19.09	14.09	14.09	19.09	12.37	13.64
1993	12	3	22.77	15.27	15.27	22.77	14.09	15.60	22.77	12.37	17.26
1993	12	4	16.39	15.27	15.27	16.39	14.09	14.09	16.39	12.37	12.37
1993	12	5	21.88	15.27	15.27	21.88	14.09	14.09	21.88	12.37	16.49
1993	12	6	14.24	15.27	15.27	14.24	14.09	14.09	14.24	12.37	12.37

古谷本郷地点流況(1994年)

単位: m³/s

年度	月	半旬	切下げなし			切下げ率11.5%			切下げ率28.2%		
			自然	確保量	操作後	自然	確保量	操作後	自然	確保量	操作後
1994	1	1	11.98	15.27	15.27	11.98	14.09	14.09	11.98	12.37	12.37
1994	1	2	12.31	15.27	15.27	12.31	14.09	14.09	12.31	12.37	12.37
1994	1	3	13.48	15.27	15.27	13.48	14.09	14.09	13.48	12.37	12.37
1994	1	4	16.07	15.27	15.27	16.07	14.09	14.09	16.07	12.37	12.37
1994	1	5	13.67	15.27	15.27	13.67	14.09	14.09	13.67	12.37	12.37
1994	1	6	11.75	15.27	15.27	11.75	14.09	14.09	11.75	12.37	12.37
1994	2	1	11.19	15.27	15.27	11.19	14.09	14.09	11.19	12.37	12.37
1994	2	2	11.33	15.27	15.27	11.33	14.09	14.09	11.33	12.37	12.37
1994	2	3	11.54	15.27	15.27	11.54	14.09	14.09	11.54	12.37	12.37
1994	2	4	11.84	15.27	15.27	11.84	14.09	14.09	11.84	12.37	12.37
1994	2	5	38.22	15.27	21.42	38.22	14.09	21.79	38.22	12.37	22.33
1994	2	6	16.11	15.27	15.27	16.11	14.09	14.09	16.11	12.37	12.37
1994	3	1	14.43	15.27	15.27	14.43	14.09	14.09	14.43	12.37	12.37
1994	3	2	22.87	15.27	15.27	22.87	14.09	14.09	22.87	12.37	12.37
1994	3	3	25.43	15.27	15.27	25.43	14.09	14.09	25.43	12.37	12.37
1994	3	4	16.70	15.27	15.27	16.70	14.09	14.09	16.70	12.37	12.37
1994	3	5	40.84	15.27	23.40	40.84	14.09	23.76	40.84	12.37	29.70
1994	3	6	25.31	15.27	15.27	25.31	14.09	14.77	25.31	12.37	19.66
1994	4	1	22.14	15.27	15.27	22.14	14.09	14.62	22.14	12.37	15.81
1994	4	2	22.01	15.27	15.27	22.01	14.09	14.41	22.01	12.37	15.64
1994	4	3	21.85	15.27	15.27	21.85	14.09	14.09	21.85	12.37	14.85
1994	4	4	18.76	15.27	15.27	18.76	14.09	14.09	18.76	12.37	16.06
1994	4	5	19.46	15.27	15.27	19.46	14.09	14.66	19.46	12.37	17.04
1994	4	6	17.52	15.27	15.27	17.52	14.09	14.09	17.52	12.37	14.52
1994	5	1	16.31	15.27	15.27	16.31	14.09	14.09	16.31	12.37	13.45
1994	5	2	14.63	15.27	15.27	14.63	14.09	14.09	14.63	12.37	12.38
1994	5	3	20.09	15.27	15.27	20.09	14.09	14.09	20.09	12.37	16.91
1994	5	4	25.20	14.27	14.27	25.20	13.20	13.20	25.20	11.65	22.38
1994	5	5	15.88	14.27	14.27	15.88	13.20	13.20	15.88	11.65	13.07
1994	5	6	45.47	14.27	25.88	45.47	13.20	37.48	45.47	11.65	41.48
1994	6	1	19.87	14.27	14.27	19.87	13.20	15.82	19.87	11.65	16.35
1994	6	2	17.99	14.27	14.27	17.99	13.20	13.20	17.99	11.65	13.37
1994	6	3	25.27	14.27	14.27	25.27	13.20	18.97	25.27	11.65	20.42
1994	6	4	38.51	14.27	15.30	38.51	13.20	29.97	38.51	11.65	31.29
1994	6	5	28.79	14.27	14.46	28.79	13.20	18.08	28.79	11.65	19.61
1994	6	6	20.85	14.27	122.94	20.85	13.20	145.30	20.85	11.65	166.77
1994	7	1	18.45	14.27	14.27	18.45	13.20	13.20	18.45	11.65	11.65
1994	7	2	15.15	14.27	14.27	15.15	13.20	13.20	15.15	11.65	11.65
1994	7	3	21.25	14.27	14.27	21.25	13.20	13.20	21.25	11.65	11.65
1994	7	4	53.50	14.27	26.10	53.50	13.20	32.51	53.50	11.65	42.83
1994	7	5	27.06	14.27	14.27	27.06	13.20	13.20	27.06	11.65	18.09
1994	7	6	27.98	14.27	14.27	27.98	13.20	13.20	27.98	11.65	17.47
1994	8	1	50.43	14.27	24.76	50.43	13.20	36.44	50.43	11.65	39.95
1994	8	2	30.84	14.27	15.17	30.84	13.20	18.10	30.84	11.65	20.80
1994	8	3	18.65	14.27	14.27	18.65	13.20	13.20	18.65	11.65	11.65
1994	8	4	11.90	14.27	14.27	11.90	13.20	13.20	11.90	11.65	11.65
1994	8	5	149.92	14.27	120.62	149.92	13.20	125.86	149.92	11.65	131.87
1994	8	6	26.04	14.27	14.27	26.04	13.20	13.20	26.04	11.65	17.23
1994	9	1	24.96	14.27	14.27	24.96	13.20	13.20	24.96	11.65	13.07
1994	9	2	16.82	14.27	14.27	16.82	13.20	13.20	16.82	11.65	11.65
1994	9	3	53.26	14.27	24.47	53.26	13.20	27.61	53.26	11.65	39.11
1994	9	4	269.82	14.27	228.37	269.82	13.20	241.48	269.82	11.65	246.68
1994	9	5	120.79	14.27	113.56	120.79	13.20	114.24	120.79	11.65	115.23
1994	9	6	209.30	14.27	194.11	209.30	13.20	194.84	209.30	11.65	195.90
1994	10	1	257.15	14.27	169.64	257.15	13.20	170.09	257.15	11.65	170.75
1994	10	2	103.05	14.27	79.08	103.05	13.20	79.49	103.05	11.65	80.10
1994	10	3	52.36	14.27	36.94	52.36	13.20	37.38	52.36	11.65	38.01
1994	10	4	33.29	14.27	20.76	33.29	13.20	21.05	33.29	11.65	21.59
1994	10	5	51.46	14.27	36.84	51.46	13.20	37.22	51.46	11.65	37.89
1994	10	6	29.63	14.27	18.62	29.63	13.20	18.91	29.63	11.65	19.36
1994	11	1	24.01	15.27	17.58	24.01	14.09	18.27	24.01	12.37	19.01
1994	11	2	20.53	15.27	15.70	20.53	14.09	16.08	20.53	12.37	16.63
1994	11	3	18.53	15.27	15.27	18.53	14.09	14.09	18.53	12.37	14.50
1994	11	4	17.06	15.27	15.27	17.06	14.09	14.09	17.06	12.37	13.16
1994	11	5	18.89	15.27	15.27	18.89	14.09	14.09	18.89	12.37	15.11
1994	11	6	15.00	15.27	15.27	15.00	14.09	14.09	15.00	12.37	12.37
1994	12	1	14.56	15.27	15.27	14.56	14.09	14.09	14.56	12.37	12.37
1994	12	2	12.45	15.27	15.27	12.45	14.09	14.09	12.45	12.37	12.37
1994	12	3	14.58	15.27	15.27	14.58	14.09	14.09	14.58	12.37	12.37
1994	12	4	11.93	15.27	15.27	11.93	14.09	14.09	11.93	12.37	12.37
1994	12	5	12.10	15.27	15.27	12.10	14.09	14.09	12.10	12.37	12.37
1994	12	6	12.49	15.27	15.27	12.49	14.09	14.09	12.49	12.37	12.37

古谷本郷地点流況(1995年)

単位: m³/s

年度	月	半旬	切下げなし			切下げ率11.5%			切下げ率28.2%		
			自然	確保量	操作後	自然	確保量	操作後	自然	確保量	操作後
1995	1	1	15.48	15.27	15.27	15.48	14.09	14.09	15.48	12.37	12.37
1995	1	2	14.23	15.27	15.27	14.23	14.09	14.09	14.23	12.37	12.37
1995	1	3	11.94	15.27	15.27	11.94	14.09	14.09	11.94	12.37	12.37
1995	1	4	11.02	15.27	15.27	11.02	14.09	14.09	11.02	12.37	12.37
1995	1	5	12.32	15.27	15.27	12.32	14.09	14.09	12.32	12.37	12.37
1995	1	6	11.18	15.27	15.27	11.18	14.09	14.09	11.18	12.37	12.37
1995	2	1	9.82	15.27	15.27	9.82	14.09	14.09	9.82	12.37	12.37
1995	2	2	9.61	15.27	15.27	9.61	14.09	14.09	9.61	12.37	12.37
1995	2	3	10.89	15.27	15.27	10.89	14.09	14.09	10.89	12.37	12.37
1995	2	4	10.19	15.27	15.27	10.19	14.09	14.09	10.19	12.37	12.37
1995	2	5	9.54	15.27	15.27	9.54	14.09	14.09	9.54	12.37	12.37
1995	2	6	9.73	15.27	15.27	9.73	14.09	14.09	9.73	12.37	12.37
1995	3	1	13.53	15.27	15.27	13.53	14.09	14.09	13.53	12.37	12.37
1995	3	2	12.31	15.27	15.27	12.31	14.09	14.09	12.31	12.37	12.37
1995	3	3	17.54	15.27	15.27	17.54	14.09	14.09	17.54	12.37	12.37
1995	3	4	20.04	15.27	15.27	20.04	14.09	14.09	20.04	12.37	12.37
1995	3	5	15.98	15.27	15.27	15.98	14.09	14.09	15.98	12.37	12.37
1995	3	6	39.01	15.27	17.95	39.01	14.09	18.35	39.01	12.37	18.93
1995	4	1	32.65	15.27	15.27	32.65	14.09	14.09	32.65	12.37	12.37
1995	4	2	22.53	15.27	15.27	22.53	14.09	14.09	22.53	12.37	12.37
1995	4	3	22.14	15.27	15.27	22.14	14.09	14.09	22.14	12.37	12.61
1995	4	4	22.39	15.27	15.27	22.39	14.09	14.09	22.39	12.37	15.16
1995	4	5	21.41	15.27	15.27	21.41	14.09	14.09	21.41	12.37	14.41
1995	4	6	19.94	15.27	15.27	19.94	14.09	14.09	19.94	12.37	12.91
1995	5	1	26.69	15.27	15.27	26.69	14.09	14.09	26.69	12.37	19.25
1995	5	2	23.30	15.27	15.27	23.30	14.09	14.09	23.30	12.37	17.80
1995	5	3	54.59	15.27	31.64	54.59	14.09	33.61	54.59	12.37	49.97
1995	5	4	89.01	14.27	64.26	89.01	13.20	73.86	89.01	11.65	81.98
1995	5	5	30.64	14.27	17.04	30.64	13.20	21.61	30.64	11.65	25.91
1995	5	6	21.85	14.27	14.27	21.85	13.20	14.82	21.85	11.65	18.31
1995	6	1	20.70	14.27	14.27	20.70	13.20	13.43	20.70	11.65	16.83
1995	6	2	78.59	14.27	64.09	78.59	13.20	67.90	78.59	11.65	72.17
1995	6	3	225.29	14.27	207.15	225.29	13.20	212.99	225.29	11.65	220.38
1995	6	4	106.86	14.27	86.98	106.86	13.20	94.85	106.86	11.65	100.49
1995	6	5	58.94	14.27	40.43	58.94	13.20	45.96	58.94	11.65	50.14
1995	6	6	52.54	14.27	167.38	52.54	13.20	193.90	52.54	11.65	207.61
1995	7	1	85.13	14.27	69.58	85.13	13.20	71.70	85.13	11.65	74.78
1995	7	2	262.75	14.27	252.24	262.75	13.20	253.78	262.75	11.65	256.02
1995	7	3	98.02	14.27	86.92	98.02	13.20	88.58	98.02	11.65	90.99
1995	7	4	52.07	14.27	41.39	52.07	13.20	43.00	52.07	11.65	45.35
1995	7	5	42.36	14.27	28.37	42.36	13.20	30.38	42.36	11.65	33.29
1995	7	6	27.76	14.27	14.27	27.76	13.20	15.16	27.76	11.65	17.85
1995	8	1	23.49	14.27	14.27	23.49	13.20	13.20	23.49	11.65	13.89
1995	8	2	32.68	14.27	14.27	32.68	13.20	17.68	32.68	11.65	22.95
1995	8	3	16.32	14.27	14.27	16.32	13.20	13.20	16.32	11.65	11.65
1995	8	4	14.74	14.27	14.27	14.74	13.20	13.20	14.74	11.65	11.65
1995	8	5	54.45	14.27	25.54	54.45	13.20	28.22	54.45	11.65	36.81
1995	8	6	17.54	14.27	14.27	17.54	13.20	13.20	17.54	11.65	11.65
1995	9	1	14.50	14.27	14.27	14.50	13.20	13.20	14.50	11.65	11.65
1995	9	2	12.65	14.27	14.27	12.65	13.20	13.20	12.65	11.65	11.65
1995	9	3	18.13	14.27	14.27	18.13	13.20	13.20	18.13	11.65	11.65
1995	9	4	296.64	14.27	234.61	296.64	13.20	245.10	296.64	11.65	252.88
1995	9	5	43.70	14.27	20.06	43.70	13.20	21.01	43.70	11.65	30.38
1995	9	6	29.84	14.27	16.76	29.84	13.20	17.17	29.84	11.65	22.17
1995	10	1	50.29	14.27	27.96	50.29	13.20	28.31	50.29	11.65	28.83
1995	10	2	40.96	14.27	26.40	40.96	13.20	26.71	40.96	11.65	27.18
1995	10	3	27.22	14.27	15.62	27.22	13.20	15.90	27.22	11.65	16.37
1995	10	4	21.84	14.27	14.27	21.84	13.20	13.20	21.84	11.65	12.07
1995	10	5	18.98	14.27	14.27	18.98	13.20	13.20	18.98	11.65	11.65
1995	10	6	16.15	14.27	14.27	16.15	13.20	13.20	16.15	11.65	11.65
1995	11	1	15.32	15.27	15.27	15.32	14.09	14.09	15.32	12.37	12.37
1995	11	2	16.57	15.27	15.27	16.57	14.09	14.09	16.57	12.37	12.37
1995	11	3	13.25	15.27	15.27	13.25	14.09	14.09	13.25	12.37	12.37
1995	11	4	13.61	15.27	15.27	13.61	14.09	14.09	13.61	12.37	12.37
1995	11	5	13.42	15.27	15.27	13.42	14.09	14.09	13.42	12.37	12.37
1995	11	6	11.45	15.27	15.27	11.45	14.09	14.09	11.45	12.37	12.37
1995	12	1	11.18	15.27	15.27	11.18	14.09	14.09	11.18	12.37	12.37
1995	12	2	9.69	15.27	15.27	9.69	14.09	14.09	9.69	12.37	12.37
1995	12	3	9.19	15.27	15.27	9.19	14.09	14.09	9.19	12.37	12.37
1995	12	4	12.13	15.27	15.27	12.13	14.09	14.09	12.13	12.37	12.37
1995	12	5	11.67	15.27	15.27	11.67	14.09	14.09	11.67	12.37	12.37
1995	12	6	9.11	15.27	15.27	9.11	14.09	14.09	9.11	12.37	12.37

古谷本郷地点流況(1996年)

単位: m³/s

年度	月	半旬	切下げなし			切下げ率11.5%			切下げ率28.2%		
			自然	確保量	操作後	自然	確保量	操作後	自然	確保量	操作後
1996	1	1	7.10	15.27	15.27	7.10	14.09	14.09	7.10	12.37	12.37
1996	1	2	6.30	15.27	15.27	6.30	14.09	14.09	6.30	12.37	12.37
1996	1	3	5.75	15.27	15.27	5.75	14.09	14.09	5.75	12.37	12.37
1996	1	4	6.19	15.27	15.27	6.19	14.09	14.09	6.19	12.37	12.37
1996	1	5	5.36	15.27	15.27	5.36	14.09	14.09	5.36	12.37	12.37
1996	1	6	5.23	15.27	15.27	5.23	14.09	14.09	5.23	12.37	12.37
1996	2	1	4.88	15.27	15.27	4.88	14.09	14.09	4.88	12.37	12.37
1996	2	2	4.88	15.27	15.27	4.88	14.09	14.09	4.88	12.37	12.37
1996	2	3	4.72	15.27	15.27	4.72	14.09	14.09	4.72	12.37	12.37
1996	2	4	5.11	15.27	9.51	5.11	14.09	14.09	5.11	12.37	12.37
1996	2	5	4.60	15.27	3.02	4.60	14.09	14.09	4.60	12.37	12.37
1996	2	6	6.68	15.27	3.21	6.68	14.09	14.09	6.68	12.37	12.37
1996	3	1	5.85	15.27	3.06	5.85	14.09	14.09	5.85	12.37	12.37
1996	3	2	5.24	15.27	3.03	5.24	14.09	13.19	5.24	12.37	12.37
1996	3	3	5.29	15.27	3.01	5.29	14.09	2.98	5.29	12.37	12.37
1996	3	4	10.13	15.27	6.10	10.13	14.09	6.50	10.13	12.37	12.37
1996	3	5	7.23	15.27	4.61	7.23	14.09	4.58	7.23	12.37	12.37
1996	3	6	12.71	15.27	8.53	12.71	14.09	8.96	12.71	12.37	12.37
1996	4	1	16.09	15.27	11.76	16.09	14.09	12.19	16.09	12.37	12.37
1996	4	2	11.54	15.27	9.44	11.54	14.09	9.44	11.54	12.37	12.37
1996	4	3	9.45	15.27	8.58	9.45	14.09	8.58	9.45	12.37	12.37
1996	4	4	28.98	15.27	15.27	28.98	14.09	14.09	28.98	12.37	12.99
1996	4	5	14.02	15.27	15.27	14.02	14.09	14.09	14.02	12.37	12.37
1996	4	6	12.88	15.27	13.41	12.88	14.09	14.09	12.88	12.37	12.37
1996	5	1	19.71	15.27	15.24	19.71	14.09	14.09	19.71	12.37	12.37
1996	5	2	30.61	15.27	15.27	30.61	14.09	14.09	30.61	12.37	13.14
1996	5	3	20.42	15.27	15.27	20.42	14.09	14.09	20.42	12.37	12.37
1996	5	4	13.91	14.27	14.27	13.91	13.20	13.20	13.91	11.65	11.65
1996	5	5	14.02	14.27	14.27	14.02	13.20	13.20	14.02	11.65	11.65
1996	5	6	8.74	14.27	10.17	8.74	13.20	13.20	8.74	11.65	11.65
1996	6	1	7.46	14.27	5.96	7.46	13.20	11.51	7.46	11.65	11.65
1996	6	2	6.76	14.27	6.55	6.76	13.20	6.46	6.76	11.65	11.65
1996	6	3	9.95	14.27	9.43	9.95	13.20	9.34	9.95	11.65	11.65
1996	6	4	9.39	14.27	9.07	9.39	13.20	8.98	9.39	11.65	11.65
1996	6	5	6.70	14.27	6.66	6.70	13.20	6.67	6.70	11.65	11.65
1996	6	6	18.98	14.27	9.38	18.98	13.20	9.38	18.98	11.65	11.65
1996	7	1	9.49	14.27	4.86	9.49	13.20	4.86	9.49	11.65	5.16
1996	7	2	53.56	14.27	24.53	53.56	13.20	25.67	53.56	11.65	27.60
1996	7	3	43.80	14.27	16.35	43.80	13.20	17.63	43.80	11.65	19.65
1996	7	4	40.84	14.27	20.93	40.84	13.20	22.44	40.84	11.65	24.63
1996	7	5	129.32	14.27	86.87	129.32	13.20	88.77	129.32	11.65	91.53
1996	7	6	31.74	14.27	14.27	31.74	13.20	13.20	31.74	11.65	11.65
1996	8	1	24.68	14.27	14.27	24.68	13.20	13.20	24.68	11.65	11.65
1996	8	2	16.94	14.27	14.27	16.94	13.20	13.20	16.94	11.65	11.65
1996	8	3	13.57	14.27	14.27	13.57	13.20	13.20	13.57	11.65	11.65
1996	8	4	10.16	14.27	12.03	10.16	13.20	13.20	10.16	11.65	11.65
1996	8	5	7.53	14.27	2.95	7.53	13.20	8.60	7.53	11.65	11.65
1996	8	6	9.93	14.27	3.21	9.93	13.20	3.21	9.93	11.65	11.65
1996	9	1	9.66	14.27	3.39	9.66	13.20	3.39	9.66	11.65	6.29
1996	9	2	15.22	14.27	6.07	15.22	13.20	6.07	15.22	11.65	5.78
1996	9	3	57.15	14.27	18.84	57.15	13.20	20.18	57.15	11.65	22.13
1996	9	4	32.24	14.27	14.27	32.24	13.20	13.20	32.24	11.65	11.65
1996	9	5	443.21	14.27	371.51	443.21	13.20	373.67	443.21	11.65	378.16
1996	9	6	71.88	14.27	53.07	71.88	13.20	54.41	71.88	11.65	55.31
1996	10	1	84.89	14.27	61.61	84.89	13.20	61.96	84.89	11.65	62.46
1996	10	2	63.96	14.27	40.32	63.96	13.20	40.63	63.96	11.65	41.08
1996	10	3	58.44	14.27	40.80	58.44	13.20	41.13	58.44	11.65	41.60
1996	10	4	44.25	14.27	33.22	44.25	13.20	33.59	44.25	11.65	34.03
1996	10	5	29.88	14.27	21.79	29.88	13.20	22.23	29.88	11.65	22.86
1996	10	6	22.59	14.27	16.21	22.59	13.20	16.58	22.59	11.65	17.03
1996	11	1	32.40	15.27	24.99	32.40	14.09	25.25	32.40	12.37	25.62
1996	11	2	22.98	15.27	16.50	22.98	14.09	16.77	22.98	12.37	17.17
1996	11	3	27.78	15.27	21.03	27.78	14.09	21.37	27.78	12.37	21.86
1996	11	4	18.42	15.27	15.27	18.42	14.09	14.09	18.42	12.37	13.23
1996	11	5	18.34	15.27	15.27	18.34	14.09	14.09	18.34	12.37	13.30
1996	11	6	15.03	15.27	15.27	15.03	14.09	14.09	15.03	12.37	12.37
1996	12	1	14.16	15.27	15.27	14.16	14.09	14.09	14.16	12.37	12.37
1996	12	2	14.50	15.27	15.27	14.50	14.09	14.09	14.50	12.37	12.37
1996	12	3	12.51	15.27	15.27	12.51	14.09	14.09	12.51	12.37	12.37
1996	12	4	13.81	15.27	15.27	13.81	14.09	14.09	13.81	12.37	12.37
1996	12	5	11.72	15.27	15.27	11.72	14.09	14.09	11.72	12.37	12.37
1996	12	6	11.19	15.27	15.27	11.19	14.09	14.09	11.19	12.37	12.37

古谷本郷地点流況(1997年)

単位: m³/s

年度	月	半月	切下げなし			切下げ率11.5%			切下げ率28.2%		
			自然	確保量	操作後	自然	確保量	操作後	自然	確保量	操作後
1997	1	1	10.96	15.27	15.27	10.96	14.09	14.09	10.96	12.37	12.37
1997	1	2	13.01	15.27	15.27	13.01	14.09	14.09	13.01	12.37	12.37
1997	1	3	10.82	15.27	15.27	10.82	14.09	14.09	10.82	12.37	12.37
1997	1	4	10.85	15.27	15.27	10.85	14.09	14.09	10.85	12.37	12.37
1997	1	5	9.61	15.27	15.27	9.61	14.09	14.09	9.61	12.37	12.37
1997	1	6	9.81	15.27	15.27	9.81	14.09	14.09	9.81	12.37	12.37
1997	2	1	7.27	15.27	15.27	7.27	14.09	14.09	7.27	12.37	12.37
1997	2	2	6.50	15.27	15.27	6.50	14.09	14.09	6.50	12.37	12.37
1997	2	3	6.46	15.27	15.27	6.46	14.09	14.09	6.46	12.37	12.37
1997	2	4	8.60	15.27	15.27	8.60	14.09	14.09	8.60	12.37	12.37
1997	2	5	6.28	15.27	15.27	6.28	14.09	14.09	6.28	12.37	12.37
1997	2	6	6.37	15.27	15.27	6.37	14.09	14.09	6.37	12.37	12.37
1997	3	1	7.31	15.27	15.27	7.31	14.09	14.09	7.31	12.37	12.37
1997	3	2	6.38	15.27	11.34	6.38	14.09	14.09	6.38	12.37	12.37
1997	3	3	6.06	15.27	3.43	6.06	14.09	14.09	6.06	12.37	12.37
1997	3	4	11.72	15.27	7.82	11.72	14.09	14.09	11.72	12.37	12.37
1997	3	5	9.94	15.27	6.23	9.94	14.09	14.09	9.94	12.37	12.37
1997	3	6	16.88	15.27	12.73	16.88	14.09	14.09	16.88	12.37	12.37
1997	4	1	15.75	15.27	11.60	15.75	14.09	14.09	15.75	12.37	12.37
1997	4	2	71.03	15.27	26.90	71.03	14.09	27.31	71.03	12.37	27.90
1997	4	3	24.48	15.27	15.27	24.48	14.09	14.09	24.48	12.37	12.37
1997	4	4	16.82	15.27	15.27	16.82	14.09	14.09	16.82	12.37	12.37
1997	4	5	14.08	15.27	15.27	14.08	14.09	14.09	14.08	12.37	12.37
1997	4	6	12.24	15.27	15.27	12.24	14.09	14.09	12.24	12.37	12.37
1997	5	1	11.99	15.27	15.27	11.99	14.09	14.09	11.99	12.37	12.37
1997	5	2	12.60	15.27	15.27	12.60	14.09	14.09	12.60	12.37	12.37
1997	5	3	12.86	15.27	15.27	12.86	14.09	14.09	12.86	12.37	12.37
1997	5	4	16.75	14.27	14.27	16.75	13.20	13.20	16.75	11.65	11.65
1997	5	5	61.41	14.27	36.94	61.41	13.20	37.26	61.41	11.65	37.73
1997	5	6	71.68	14.27	44.85	71.68	13.20	45.11	71.68	11.65	45.48
1997	6	1	22.24	14.27	14.27	22.24	13.20	13.20	22.24	11.65	13.09
1997	6	2	19.35	14.27	14.27	19.35	13.20	13.20	19.35	11.65	12.97
1997	6	3	34.13	14.27	14.27	34.13	13.20	13.79	34.13	11.65	16.27
1997	6	4	108.66	14.27	67.80	108.66	13.20	71.78	108.66	11.65	86.30
1997	6	5	153.97	14.27	112.10	153.97	13.20	113.40	153.97	11.65	124.25
1997	6	6	43.85	14.27	30.90	43.85	13.20	42.14	43.85	11.65	91.77
1997	7	1	29.42	14.27	14.27	29.42	13.20	15.70	29.42	11.65	18.27
1997	7	2	23.66	14.27	14.27	23.66	13.20	14.60	23.66	11.65	16.49
1997	7	3	36.71	14.27	16.49	36.71	13.20	27.08	36.71	11.65	29.20
1997	7	4	35.43	14.27	24.79	35.43	13.20	26.12	35.43	11.65	27.90
1997	7	5	21.32	14.27	14.27	21.32	13.20	13.20	21.32	11.65	12.29
1997	7	6	52.99	14.27	29.63	52.99	13.20	34.01	52.99	11.65	40.11
1997	8	1	36.58	14.27	20.95	36.58	13.20	22.69	36.58	11.65	25.67
1997	8	2	24.87	14.27	14.27	24.87	13.20	13.20	24.87	11.65	14.29
1997	8	3	25.97	14.27	14.27	25.97	13.20	13.20	25.97	11.65	14.79
1997	8	4	18.24	14.27	14.27	18.24	13.20	13.20	18.24	11.65	11.65
1997	8	5	17.20	14.27	14.27	17.20	13.20	13.20	17.20	11.65	11.65
1997	8	6	29.87	14.27	14.27	29.87	13.20	13.20	29.87	11.65	18.53
1997	9	1	16.39	14.27	14.27	16.39	13.20	13.20	16.39	11.65	12.30
1997	9	2	29.68	14.27	14.27	29.68	13.20	13.83	29.68	11.65	18.90
1997	9	3	50.19	14.27	22.31	50.19	13.20	31.60	50.19	11.65	32.88
1997	9	4	158.45	14.27	120.69	158.45	13.20	123.64	158.45	11.65	132.01
1997	9	5	69.15	14.27	50.20	69.15	13.20	51.02	69.15	11.65	56.59
1997	9	6	81.14	14.27	57.51	81.14	13.20	64.47	81.14	11.65	65.58
1997	10	1	33.98	14.27	16.28	33.98	13.20	16.63	33.98	11.65	17.13
1997	10	2	22.02	14.27	14.27	22.02	13.20	13.58	22.02	11.65	14.03
1997	10	3	17.62	14.27	14.27	17.62	13.20	13.20	17.62	11.65	11.65
1997	10	4	14.98	14.27	14.27	14.98	13.20	13.20	14.98	11.65	11.65
1997	10	5	13.55	14.27	14.27	13.55	13.20	13.20	13.55	11.65	11.65
1997	10	6	11.40	14.27	14.27	11.40	13.20	13.20	11.40	11.65	11.65
1997	11	1	10.10	15.27	15.27	10.10	14.09	14.09	10.10	12.37	12.37
1997	11	2	9.75	15.27	15.27	9.75	14.09	14.09	9.75	12.37	12.37
1997	11	3	10.01	15.27	15.27	10.01	14.09	14.09	10.01	12.37	12.37
1997	11	4	11.81	15.27	15.27	11.81	14.09	14.09	11.81	12.37	12.37
1997	11	5	9.60	15.27	15.27	9.60	14.09	14.09	9.60	12.37	12.37
1997	11	6	35.25	15.27	15.27	35.25	14.09	14.09	35.25	12.37	12.37
1997	12	1	21.87	15.27	15.27	21.87	14.09	14.09	21.87	12.37	12.37
1997	12	2	14.35	15.27	15.27	14.35	14.09	14.09	14.35	12.37	12.37
1997	12	3	11.67	15.27	15.27	11.67	14.09	14.09	11.67	12.37	12.37
1997	12	4	12.07	15.27	15.27	12.07	14.09	14.09	12.07	12.37	12.37
1997	12	5	9.78	15.27	15.27	9.78	14.09	14.09	9.78	12.37	12.37
1997	12	6	9.98	15.27	15.27	9.98	14.09	14.09	9.98	12.37	12.37

古谷本郷地点流況(1998年)

単位: m³/s

年度	月	半旬	切下げなし			切下げ率11.5%			切下げ率28.2%		
			自然	確保量	操作後	自然	確保量	操作後	自然	確保量	操作後
1998	1	1	8.75	15.27	15.27	8.75	14.09	14.09	8.75	12.37	12.37
1998	1	2	9.77	15.27	15.27	9.77	14.09	14.09	9.77	12.37	12.37
1998	1	3	16.95	15.27	15.27	16.95	14.09	14.09	16.95	12.37	12.37
1998	1	4	53.56	15.27	36.94	53.56	14.09	37.26	53.56	12.37	37.72
1998	1	5	32.50	15.27	17.65	32.50	14.09	17.97	32.50	12.37	18.43
1998	1	6	16.81	15.27	15.27	16.81	14.09	14.09	16.81	12.37	12.37
1998	2	1	12.96	15.27	15.27	12.96	14.09	14.09	12.96	12.37	12.37
1998	2	2	14.20	15.27	15.27	14.20	14.09	14.09	14.20	12.37	12.37
1998	2	3	21.13	15.27	15.27	21.13	14.09	14.09	21.13	12.37	12.37
1998	2	4	27.97	15.27	15.27	27.97	14.09	14.09	27.97	12.37	17.74
1998	2	5	52.88	15.27	31.91	52.88	14.09	35.64	52.88	12.37	42.82
1998	2	6	66.00	15.27	48.44	66.00	14.09	56.50	66.00	12.37	56.98
1998	3	1	115.09	15.27	102.76	115.09	14.09	103.11	115.09	12.37	103.63
1998	3	2	54.54	15.27	44.52	54.54	14.09	44.90	54.54	12.37	45.45
1998	3	3	50.10	15.27	38.87	50.10	14.09	39.25	50.10	12.37	39.80
1998	3	4	31.43	15.27	21.15	31.43	14.09	21.53	31.43	12.37	22.06
1998	3	5	31.71	15.27	18.54	31.71	14.09	18.90	31.71	12.37	19.44
1998	3	6	26.40	15.27	15.27	26.40	14.09	14.09	26.40	12.37	13.69
1998	4	1	49.72	15.27	29.66	49.72	14.09	31.96	49.72	12.37	33.73
1998	4	2	134.59	15.27	90.57	134.59	14.09	95.59	134.59	12.37	109.81
1998	4	3	143.74	15.27	110.98	143.74	14.09	115.48	143.74	12.37	118.51
1998	4	4	152.65	15.27	127.81	152.65	14.09	128.36	152.65	12.37	139.02
1998	4	5	59.43	15.27	46.07	59.43	14.09	47.49	59.43	12.37	54.47
1998	4	6	50.27	15.27	39.22	50.27	14.09	40.56	50.27	12.37	45.40
1998	5	1	30.77	15.27	21.83	30.77	14.09	22.33	30.77	12.37	26.57
1998	5	2	26.54	15.27	19.72	26.54	14.09	20.86	26.54	12.37	23.14
1998	5	3	22.66	15.27	16.31	22.66	14.09	18.72	22.66	12.37	19.24
1998	5	4	35.15	14.27	28.94	35.15	13.20	31.32	35.15	11.65	31.73
1998	5	5	33.75	14.27	27.71	33.75	13.20	29.77	33.75	11.65	30.24
1998	5	6	61.70	14.27	52.38	61.70	13.20	57.84	61.70	11.65	58.21
1998	6	1	39.77	14.27	32.19	39.77	13.20	35.65	39.77	11.65	36.18
1998	6	2	63.79	14.27	55.58	63.79	13.20	57.55	63.79	11.65	58.38
1998	6	3	94.37	14.27	86.31	94.37	13.20	86.91	94.37	11.65	87.79
1998	6	4	64.59	14.27	53.64	64.59	13.20	54.56	64.59	11.65	55.88
1998	6	5	150.25	14.27	134.13	150.25	13.20	135.43	150.25	11.65	137.32
1998	6	6	58.98	14.27	154.05	58.98	13.20	158.84	58.98	11.65	191.90
1998	7	1	32.37	14.27	15.89	32.37	13.20	18.94	32.37	11.65	22.02
1998	7	2	34.10	14.27	23.02	34.10	13.20	25.13	34.10	11.65	27.37
1998	7	3	34.19	14.27	22.99	34.19	13.20	24.82	34.19	11.65	27.16
1998	7	4	28.48	14.27	17.25	28.48	13.20	19.34	28.48	11.65	21.76
1998	7	5	50.89	14.27	35.24	50.89	13.20	38.91	50.89	11.65	41.82
1998	7	6	199.44	14.27	179.70	199.44	13.20	186.55	199.44	11.65	189.53
1998	8	1	119.17	14.27	100.92	119.17	13.20	106.26	119.17	11.65	109.33
1998	8	2	83.79	14.27	65.85	83.79	13.20	70.71	83.79	11.65	73.81
1998	8	3	37.12	14.27	20.92	37.12	13.20	24.03	37.12	11.65	27.06
1998	8	4	25.94	14.27	15.47	25.94	13.20	17.02	25.94	11.65	19.26
1998	8	5	18.49	14.27	14.27	18.49	13.20	13.20	18.49	11.65	11.65
1998	8	6	399.77	14.27	379.64	399.77	13.20	383.73	399.77	11.65	389.66
1998	9	1	231.86	14.27	215.31	231.86	13.20	217.21	231.86	11.65	219.97
1998	9	2	93.30	14.27	73.30	93.30	13.20	75.12	93.30	11.65	77.77
1998	9	3	65.69	14.27	48.63	65.69	13.20	50.07	65.69	11.65	52.17
1998	9	4	816.93	14.27	799.95	816.93	13.20	801.40	816.93	11.65	803.51
1998	9	5	350.30	14.27	339.31	350.30	13.20	339.99	350.30	11.65	340.97
1998	9	6	375.25	14.27	363.82	375.25	13.20	364.55	375.25	11.65	365.61
1998	10	1	261.16	14.27	194.44	261.16	13.20	194.89	261.16	11.65	195.55
1998	10	2	87.30	14.27	72.78	87.30	13.20	73.09	87.30	11.65	73.54
1998	10	3	59.38	14.27	48.47	59.38	13.20	48.80	59.38	11.65	49.27
1998	10	4	220.83	14.27	195.58	220.83	13.20	195.93	220.83	11.65	196.52
1998	10	5	169.82	14.27	143.61	169.82	13.20	143.97	169.82	11.65	144.60
1998	10	6	74.75	14.27	61.89	74.75	13.20	62.19	74.75	11.65	62.61
1998	11	1	46.90	15.27	39.78	46.90	14.09	40.04	46.90	12.37	40.42
1998	11	2	31.59	15.27	26.34	31.59	14.09	26.61	31.59	12.37	27.01
1998	11	3	24.21	15.27	18.70	24.21	14.09	19.04	24.21	12.37	19.53
1998	11	4	20.02	15.27	15.27	20.02	14.09	15.08	20.02	12.37	15.61
1998	11	5	16.23	15.27	15.27	16.23	14.09	14.09	16.23	12.37	12.37
1998	11	6	14.59	15.27	15.27	14.59	14.09	14.09	14.59	12.37	12.37
1998	12	1	17.38	15.27	15.27	17.38	14.09	14.09	17.38	12.37	12.87
1998	12	2	20.55	15.27	15.27	20.55	14.09	14.09	20.55	12.37	17.29
1998	12	3	13.89	15.27	15.27	13.89	14.09	14.09	13.89	12.37	12.37
1998	12	4	10.81	15.27	15.27	10.81	14.09	14.09	10.81	12.37	12.37
1998	12	5	9.03	15.27	15.27	9.03	14.09	14.09	9.03	12.37	12.37
1998	12	6	9.04	15.27	15.27	9.04	14.09	14.09	9.04	12.37	12.37

古谷本郷地点流況(1999年)

単位: m³/s

年度	月	半旬	切下げなし			切下げ率11.5%			切下げ率28.2%		
			自然	確保量	操作後	自然	確保量	操作後	自然	確保量	操作後
1999	1	1	7.33	15.27	15.27	7.33	14.09	14.09	7.33	12.37	12.37
1999	1	2	8.38	15.27	15.27	8.38	14.09	14.09	8.38	12.37	12.37
1999	1	3	7.15	15.27	15.27	7.15	14.09	14.09	7.15	12.37	12.37
1999	1	4	9.10	15.27	15.27	9.10	14.09	14.09	9.10	12.37	12.37
1999	1	5	8.79	15.27	15.27	8.79	14.09	14.09	8.79	12.37	12.37
1999	1	6	9.20	15.27	15.27	9.20	14.09	14.09	9.20	12.37	12.37
1999	2	1	7.84	15.27	15.27	7.84	14.09	14.09	7.84	12.37	12.37
1999	2	2	7.89	15.27	15.27	7.89	14.09	14.09	7.89	12.37	12.37
1999	2	3	7.70	15.27	15.27	7.70	14.09	14.09	7.70	12.37	12.37
1999	2	4	7.82	15.27	15.27	7.82	14.09	14.09	7.82	12.37	12.37
1999	2	5	7.93	15.27	15.27	7.93	14.09	14.09	7.93	12.37	12.37
1999	2	6	6.49	15.27	15.27	6.49	14.09	14.09	6.49	12.37	12.37
1999	3	1	6.87	15.27	15.27	6.87	14.09	14.09	6.87	12.37	12.37
1999	3	2	5.99	15.27	15.27	5.99	14.09	14.09	5.99	12.37	12.37
1999	3	3	8.28	15.27	15.27	8.28	14.09	14.09	8.28	12.37	12.37
1999	3	4	16.81	15.27	15.27	16.81	14.09	14.09	16.81	12.37	12.37
1999	3	5	15.37	15.27	15.27	15.37	14.09	14.09	15.37	12.37	12.37
1999	3	6	14.22	15.27	15.27	14.22	14.09	14.09	14.22	12.37	12.37
1999	4	1	12.43	15.27	15.27	12.43	14.09	14.09	12.43	12.37	12.37
1999	4	2	10.49	15.27	15.27	10.49	14.09	14.09	10.49	12.37	12.37
1999	4	3	259.86	15.27	203.76	259.86	14.09	204.27	259.86	12.37	205.01
1999	4	4	44.68	15.27	24.04	44.68	14.09	24.36	44.68	12.37	24.82
1999	4	5	221.19	15.27	183.06	221.19	14.09	183.46	221.19	12.37	192.01
1999	4	6	135.50	15.27	101.47	135.50	14.09	108.45	135.50	12.37	109.89
1999	5	1	70.81	15.27	54.73	70.81	14.09	55.14	70.81	12.37	56.84
1999	5	2	55.87	15.27	45.25	55.87	14.09	45.58	55.87	12.37	46.95
1999	5	3	34.23	15.27	25.18	34.23	14.09	25.54	34.23	12.37	29.46
1999	5	4	27.08	14.27	21.10	27.08	13.20	21.70	27.08	11.65	23.43
1999	5	5	17.70	14.27	14.27	17.70	13.20	13.20	17.70	11.65	14.27
1999	5	6	22.17	14.27	14.27	22.17	13.20	15.63	22.17	11.65	19.02
1999	6	1	15.31	14.27	14.27	15.31	13.20	13.20	15.31	11.65	11.96
1999	6	2	14.85	14.27	14.27	14.85	13.20	13.20	14.85	11.65	11.65
1999	6	3	12.19	14.27	14.27	12.19	13.20	13.20	12.19	11.65	11.65
1999	6	4	20.63	14.27	14.27	20.63	13.20	13.20	20.63	11.65	11.65
1999	6	5	19.00	14.27	14.27	19.00	13.20	13.20	19.00	11.65	11.65
1999	6	6	137.38	14.27	162.22	137.38	13.20	197.33	137.38	11.65	259.52
1999	7	1	129.09	14.27	103.82	129.09	13.20	115.00	129.09	11.65	118.74
1999	7	2	67.13	14.27	55.22	67.13	13.20	58.16	67.13	11.65	60.40
1999	7	3	591.41	14.27	570.82	591.41	13.20	581.97	591.41	11.65	584.38
1999	7	4	165.99	14.27	155.31	165.99	13.20	156.92	165.99	11.65	159.27
1999	7	5	124.09	14.27	110.10	124.09	13.20	112.11	124.09	11.65	115.02
1999	7	6	44.59	14.27	29.65	44.59	13.20	31.70	44.59	11.65	34.68
1999	8	1	40.10	14.27	25.07	40.10	13.20	27.19	40.10	11.65	30.26
1999	8	2	37.11	14.27	21.89	37.11	13.20	24.03	37.11	11.65	27.13
1999	8	3	1433.77	14.27	1418.59	1433.77	13.20	1420.68	1433.77	11.65	1423.71
1999	8	4	313.21	14.27	302.74	313.21	13.20	304.29	313.21	11.65	306.53
1999	8	5	108.58	14.27	95.91	108.58	13.20	97.65	108.58	11.65	100.18
1999	8	6	76.35	14.27	63.26	76.35	13.20	65.01	76.35	11.65	67.54
1999	9	1	68.31	14.27	51.76	68.31	13.20	53.66	68.31	11.65	56.42
1999	9	2	60.62	14.27	41.41	60.62	13.20	43.23	60.62	11.65	45.88
1999	9	3	62.12	14.27	44.27	62.12	13.20	45.71	62.12	11.65	47.81
1999	9	4	61.79	14.27	44.98	61.79	13.20	46.43	61.79	11.65	48.54
1999	9	5	161.86	14.27	150.70	161.86	13.20	151.38	161.86	11.65	152.36
1999	9	6	52.02	14.27	40.59	52.02	13.20	41.32	52.02	11.65	42.38
1999	10	1	35.49	14.27	19.22	35.49	13.20	19.57	35.49	11.65	20.07
1999	10	2	27.75	14.27	18.86	27.75	13.20	19.17	27.75	11.65	19.62
1999	10	3	24.56	14.27	17.43	24.56	13.20	17.76	24.56	11.65	18.23
1999	10	4	23.19	14.27	16.40	23.19	13.20	16.69	23.19	11.65	17.12
1999	10	5	19.62	14.27	14.27	19.62	13.20	13.41	19.62	11.65	13.92
1999	10	6	103.82	14.27	84.39	103.82	13.20	85.69	103.82	11.65	86.12
1999	11	1	39.88	15.27	29.57	39.88	14.09	29.83	39.88	12.37	30.20
1999	11	2	27.32	15.27	19.94	27.32	14.09	20.21	27.32	12.37	20.61
1999	11	3	22.81	15.27	15.89	22.81	14.09	16.23	22.81	12.37	16.73
1999	11	4	23.64	15.27	17.92	23.64	14.09	18.29	23.64	12.37	18.82
1999	11	5	17.96	15.27	15.27	17.96	14.09	14.09	17.96	12.37	13.44
1999	11	6	16.50	15.27	15.27	16.50	14.09	14.09	16.50	12.37	12.82
1999	12	1	14.50	15.27	15.27	14.50	14.09	14.09	14.50	12.37	12.37
1999	12	2	13.43	15.27	15.27	13.43	14.09	14.09	13.43	12.37	12.37
1999	12	3	11.78	15.27	15.27	11.78	14.09	14.09	11.78	12.37	12.37
1999	12	4	14.48	15.27	15.27	14.48	14.09	14.09	14.48	12.37	12.37
1999	12	5	12.17	15.27	15.27	12.17	14.09	14.09	12.17	12.37	12.37
1999	12	6	9.95	15.27	15.27	9.95	14.09	14.09	9.95	12.37	12.37

古谷本郷地点流況(2000年)

単位: m³/s

年度	月	半旬	切下げなし			切下げ率11.5%			切下げ率28.2%		
			自然	確保量	操作後	自然	確保量	操作後	自然	確保量	操作後
2000	1	1	9.08	15.27	15.27	9.08	14.09	14.09	9.08	12.37	12.37
2000	1	2	10.47	15.27	15.27	10.47	14.09	14.09	10.47	12.37	12.37
2000	1	3	12.37	15.27	15.27	12.37	14.09	14.09	12.37	12.37	12.37
2000	1	4	11.80	15.27	15.27	11.80	14.09	14.09	11.80	12.37	12.37
2000	1	5	8.63	15.27	15.27	8.63	14.09	14.09	8.63	12.37	12.37
2000	1	6	7.97	15.27	15.27	7.97	14.09	14.09	7.97	12.37	12.37
2000	2	1	7.56	15.27	15.27	7.56	14.09	14.09	7.56	12.37	12.37
2000	2	2	9.98	15.27	15.27	9.98	14.09	14.09	9.98	12.37	12.37
2000	2	3	8.31	15.27	15.27	8.31	14.09	14.09	8.31	12.37	12.37
2000	2	4	6.91	15.27	15.27	6.91	14.09	14.09	6.91	12.37	12.37
2000	2	5	5.27	15.27	15.27	5.27	14.09	14.09	5.27	12.37	12.37
2000	2	6	7.41	15.27	15.27	7.41	14.09	14.09	7.41	12.37	12.37
2000	3	1	7.07	15.27	15.27	7.07	14.09	14.09	7.07	12.37	12.37
2000	3	2	6.99	15.27	15.27	6.99	14.09	14.09	6.99	12.37	12.37
2000	3	3	6.12	15.27	15.27	6.12	14.09	14.09	6.12	12.37	12.37
2000	3	4	7.54	15.27	15.27	7.54	14.09	14.09	7.54	12.37	12.37
2000	3	5	11.10	15.27	15.27	11.10	14.09	14.09	11.10	12.37	12.37
2000	3	6	11.61	15.27	15.27	11.61	14.09	14.09	11.61	12.37	12.37
2000	4	1	7.01	15.27	15.27	7.01	14.09	14.09	7.01	12.37	12.37
2000	4	2	9.20	15.27	8.61	9.20	14.09	14.09	9.20	12.37	12.37
2000	4	3	18.14	15.27	15.27	18.14	14.09	14.09	18.14	12.37	12.37
2000	4	4	23.16	15.27	15.27	23.16	14.09	14.09	23.16	12.37	12.37
2000	4	5	71.62	15.27	48.89	71.62	14.09	49.21	71.62	12.37	49.67
2000	4	6	34.75	15.27	15.85	34.75	14.09	18.65	34.75	12.37	22.80
2000	5	1	19.59	15.27	15.27	19.59	14.09	14.09	19.59	12.37	13.37
2000	5	2	14.56	15.27	15.27	14.56	14.09	14.09	14.56	12.37	12.37
2000	5	3	20.19	15.27	15.27	20.19	14.09	14.09	20.19	12.37	12.37
2000	5	4	45.54	14.27	27.49	45.54	13.20	30.91	45.54	11.65	35.67
2000	5	5	26.23	14.27	18.05	26.23	13.20	18.92	26.23	11.65	19.39
2000	5	6	14.78	14.27	14.27	14.78	13.20	13.20	14.78	11.65	11.65
2000	6	1	13.24	14.27	14.27	13.24	13.20	13.20	13.24	11.65	11.65
2000	6	2	12.25	14.27	14.27	12.25	13.20	13.20	12.25	11.65	11.65
2000	6	3	77.56	14.27	50.60	77.56	13.20	51.20	77.56	11.65	52.98
2000	6	4	36.96	14.27	14.65	36.96	13.20	18.70	36.96	11.65	23.91
2000	6	5	53.20	14.27	33.26	53.20	13.20	34.31	53.20	11.65	36.19
2000	6	6	49.36	14.27	31.39	49.36	13.20	34.38	49.36	11.65	46.77
2000	7	1	74.83	14.27	42.13	74.83	13.20	46.85	74.83	11.65	61.71
2000	7	2	499.86	14.27	464.30	499.86	13.20	470.98	499.86	11.65	477.86
2000	7	3	86.94	14.27	69.72	86.94	13.20	72.05	86.94	11.65	79.91
2000	7	4	48.58	14.27	31.23	48.58	13.20	33.43	48.58	11.65	41.86
2000	7	5	30.48	14.27	14.27	30.48	13.20	14.87	30.48	11.65	21.41
2000	7	6	34.78	14.27	15.83	34.78	13.20	19.37	34.78	11.65	24.87
2000	8	1	30.76	14.27	14.27	30.76	13.20	15.84	30.76	11.65	20.96
2000	8	2	92.52	14.27	75.26	92.52	13.20	77.83	92.52	11.65	82.50
2000	8	3	177.82	14.27	153.31	177.82	13.20	155.64	177.82	11.65	167.76
2000	8	4	128.01	14.27	110.92	128.01	13.20	113.08	128.01	11.65	121.33
2000	8	5	41.01	14.27	25.57	41.01	13.20	27.92	41.01	11.65	32.61
2000	8	6	27.13	14.27	14.27	27.13	13.20	15.18	27.13	11.65	18.32
2000	9	1	23.46	14.27	14.27	23.46	13.20	13.20	23.46	11.65	11.65
2000	9	2	28.13	14.27	14.27	28.13	13.20	13.20	28.13	11.65	14.54
2000	9	3	228.79	14.27	190.79	228.79	13.20	203.80	228.79	11.65	213.25
2000	9	4	86.86	14.27	66.88	86.86	13.20	70.71	86.86	11.65	73.44
2000	9	5	110.90	14.27	94.36	110.90	13.20	97.46	110.90	11.65	101.64
2000	9	6	56.00	14.27	42.68	56.00	13.20	45.19	56.00	11.65	50.27
2000	10	1	48.95	14.27	31.71	48.95	13.20	32.06	48.95	11.65	32.56
2000	10	2	32.80	14.27	24.49	32.80	13.20	24.80	32.80	11.65	25.25
2000	10	3	23.67	14.27	16.15	23.67	13.20	16.48	23.67	11.65	16.95
2000	10	4	20.66	14.27	14.27	20.66	13.20	13.87	20.66	11.65	14.30
2000	10	5	54.90	14.27	45.35	54.90	13.20	46.40	54.90	11.65	46.91
2000	10	6	30.75	14.27	23.56	30.75	13.20	23.85	30.75	11.65	24.28
2000	11	1	58.62	15.27	43.84	58.62	14.09	44.10	58.62	12.37	44.47
2000	11	2	33.49	15.27	24.32	33.49	14.09	24.59	33.49	12.37	24.99
2000	11	3	21.27	15.27	15.27	21.27	14.09	14.17	21.27	12.37	14.66
2000	11	4	33.40	15.27	20.91	33.40	14.09	22.72	33.40	12.37	23.25
2000	11	5	42.98	15.27	29.82	42.98	14.09	30.19	42.98	12.37	30.72
2000	11	6	22.45	15.27	16.46	22.45	14.09	16.76	22.45	12.37	17.19
2000	12	1	17.45	15.27	15.27	17.45	14.09	14.09	17.45	12.37	13.10
2000	12	2	14.27	15.27	15.27	14.27	14.09	14.09	14.27	12.37	12.37
2000	12	3	12.59	15.27	15.27	12.59	14.09	14.09	12.59	12.37	12.37
2000	12	4	12.06	15.27	15.27	12.06	14.09	14.09	12.06	12.37	12.37
2000	12	5	11.96	15.27	15.27	11.96	14.09	14.09	11.96	12.37	12.37
2000	12	6	11.52	15.27	15.27	11.52	14.09	14.09	11.52	12.37	12.37

古谷本郷地点流況(2001年)

単位: m³/s

年度	月	半旬	切下げなし			切下げ率11.5%			切下げ率28.2%		
			自然	確保量	操作後	自然	確保量	操作後	自然	確保量	操作後
			2001	1	1	10.44	15.27	15.27	10.44	14.09	14.09
2001	1	2	14.09	15.27	15.27	14.09	14.09	14.09	14.09	12.37	12.37
2001	1	3	15.03	15.27	15.27	15.03	14.09	14.09	15.03	12.37	12.37
2001	1	4	11.82	15.27	15.27	11.82	14.09	14.09	11.82	12.37	12.37
2001	1	5	12.87	15.27	15.27	12.87	14.09	14.09	12.87	12.37	12.37
2001	1	6	26.89	15.27	15.27	26.89	14.09	14.09	26.89	12.37	12.37
2001	2	1	16.05	15.27	15.27	16.05	14.09	14.09	16.05	12.37	12.37
2001	2	2	18.01	15.27	15.27	18.01	14.09	14.09	18.01	12.37	12.37
2001	2	3	14.59	15.27	15.27	14.59	14.09	14.09	14.59	12.37	12.37
2001	2	4	13.44	15.27	15.27	13.44	14.09	14.09	13.44	12.37	12.37
2001	2	5	19.41	15.27	15.27	19.41	14.09	14.09	19.41	12.37	12.37
2001	2	6	16.13	15.27	15.27	16.13	14.09	14.09	16.13	12.37	12.37
2001	3	1	52.27	15.27	31.74	52.27	14.09	32.09	52.27	12.37	34.70
2001	3	2	32.04	15.27	15.27	32.04	14.09	14.09	32.04	12.37	20.80
2001	3	3	18.33	15.27	15.27	18.33	14.09	14.09	18.33	12.37	13.20
2001	3	4	16.60	15.27	15.27	16.60	14.09	14.09	16.60	12.37	12.37
2001	3	5	19.37	15.27	15.27	19.37	14.09	14.09	19.37	12.37	12.37
2001	3	6	28.94	15.27	15.27	28.94	14.09	14.09	28.94	12.37	20.84
2001	4	1	20.68	15.27	15.27	20.68	14.09	14.09	20.68	12.37	15.11
2001	4	2	18.84	15.27	15.27	18.84	14.09	14.09	18.84	12.37	12.70
2001	4	3	19.56	15.27	15.27	19.56	14.09	14.09	19.56	12.37	12.57
2001	4	4	16.68	15.27	15.27	16.68	14.09	14.09	16.68	12.37	12.39
2001	4	5	14.67	15.27	15.27	14.67	14.09	14.09	14.67	12.37	12.37
2001	4	6	16.55	15.27	15.27	16.55	14.09	14.09	16.55	12.37	12.37
2001	5	1	41.16	15.27	19.46	41.16	14.09	20.58	41.16	12.37	31.40
2001	5	2	24.20	15.27	15.27	24.20	14.09	14.09	24.20	12.37	18.01
2001	5	3	17.42	15.27	15.27	17.42	14.09	14.09	17.42	12.37	12.55
2001	5	4	14.02	14.27	14.27	14.02	13.20	13.20	14.02	11.65	11.65
2001	5	5	96.19	14.27	66.04	96.19	13.20	71.96	96.19	11.65	81.67
2001	5	6	61.44	14.27	36.94	61.44	13.20	43.76	61.44	11.65	50.58
2001	6	1	35.57	14.27	24.72	35.57	13.20	27.32	35.57	11.65	28.22
2001	6	2	34.06	14.27	23.51	34.06	13.20	25.03	34.06	11.65	26.09
2001	6	3	72.97	14.27	55.53	72.97	13.20	60.30	72.97	11.65	62.58
2001	6	4	99.56	14.27	78.29	99.56	13.20	84.07	99.56	11.65	88.54
2001	6	5	41.64	14.27	22.46	41.64	13.20	28.99	41.64	11.65	30.88
2001	6	6	27.96	14.27	110.31	27.96	13.20	155.41	27.96	11.65	174.29
2001	7	1	20.68	14.27	14.27	20.68	13.20	13.20	20.68	11.65	11.65
2001	7	2	15.16	14.27	14.27	15.16	13.20	13.20	15.16	11.65	11.65
2001	7	3	15.80	14.27	14.27	15.80	13.20	13.20	15.80	11.65	11.65
2001	7	4	25.91	14.27	14.27	25.91	13.20	13.20	25.91	11.65	11.76
2001	7	5	17.53	14.27	14.27	17.53	13.20	13.20	17.53	11.65	11.65
2001	7	6	23.98	14.27	14.27	23.98	13.20	13.20	23.98	11.65	11.65
2001	8	1	14.24	14.27	14.27	14.24	13.20	13.20	14.24	11.65	11.65
2001	8	2	12.30	14.27	14.27	12.30	13.20	13.20	12.30	11.65	11.65
2001	8	3	27.23	14.27	14.27	27.23	13.20	13.20	27.23	11.65	11.65
2001	8	4	17.25	14.27	14.27	17.25	13.20	13.20	17.25	11.65	11.65
2001	8	5	437.36	14.27	369.71	437.36	13.20	378.06	437.36	11.65	416.52
2001	8	6	80.30	14.27	53.54	80.30	13.20	62.49	80.30	11.65	71.49
2001	9	1	49.74	14.27	28.89	49.74	13.20	35.09	49.74	11.65	37.85
2001	9	2	750.12	14.27	719.37	750.12	13.20	731.80	750.12	11.65	734.45
2001	9	3	1057.25	14.27	1040.33	1057.25	13.20	1041.78	1057.25	11.65	1043.88
2001	9	4	111.74	14.27	94.76	111.74	13.20	96.21	111.74	11.65	98.32
2001	9	5	98.61	14.27	87.62	98.61	13.20	88.30	98.61	11.65	89.28
2001	9	6	66.63	14.27	56.15	66.63	13.20	56.87	66.63	11.65	57.93
2001	10	1	88.15	14.27	64.03	88.15	13.20	64.38	88.15	11.65	64.88
2001	10	2	194.99	14.27	163.30	194.99	13.20	163.71	194.99	11.65	164.32
2001	10	3	331.57	14.27	288.78	331.57	13.20	289.22	331.57	11.65	289.85
2001	10	4	95.85	14.27	81.65	95.85	13.20	81.94	95.85	11.65	82.37
2001	10	5	90.14	14.27	78.40	90.14	13.20	78.76	90.14	11.65	79.27
2001	10	6	68.36	14.27	59.93	68.36	13.20	60.22	68.36	11.65	60.65
2001	11	1	51.61	15.27	43.72	51.61	14.09	43.98	51.61	12.37	44.35
2001	11	2	67.34	15.27	57.10	67.34	14.09	57.37	67.34	12.37	57.77
2001	11	3	53.09	15.27	43.67	53.09	14.09	44.01	53.09	12.37	44.50
2001	11	4	31.96	15.27	24.65	31.96	14.09	25.02	31.96	12.37	25.55
2001	11	5	23.94	15.27	17.79	23.94	14.09	18.16	23.94	12.37	18.69
2001	11	6	20.00	15.27	15.27	20.00	14.09	15.43	20.00	12.37	15.86
2001	12	1	18.90	15.27	15.27	18.90	14.09	14.18	18.90	12.37	14.63
2001	12	2	16.60	15.27	15.27	16.60	14.09	14.09	16.60	12.37	12.37
2001	12	3	15.03	15.27	15.27	15.03	14.09	14.09	15.03	12.37	12.37
2001	12	4	13.49	15.27	15.27	13.49	14.09	14.09	13.49	12.37	12.37
2001	12	5	12.23	15.27	15.27	12.23	14.09	14.09	12.23	12.37	12.37
2001	12	6	11.44	15.27	15.27	11.44	14.09	14.09	11.44	12.37	12.37

古谷本郷地点流況(2002年)

単位: m³/s

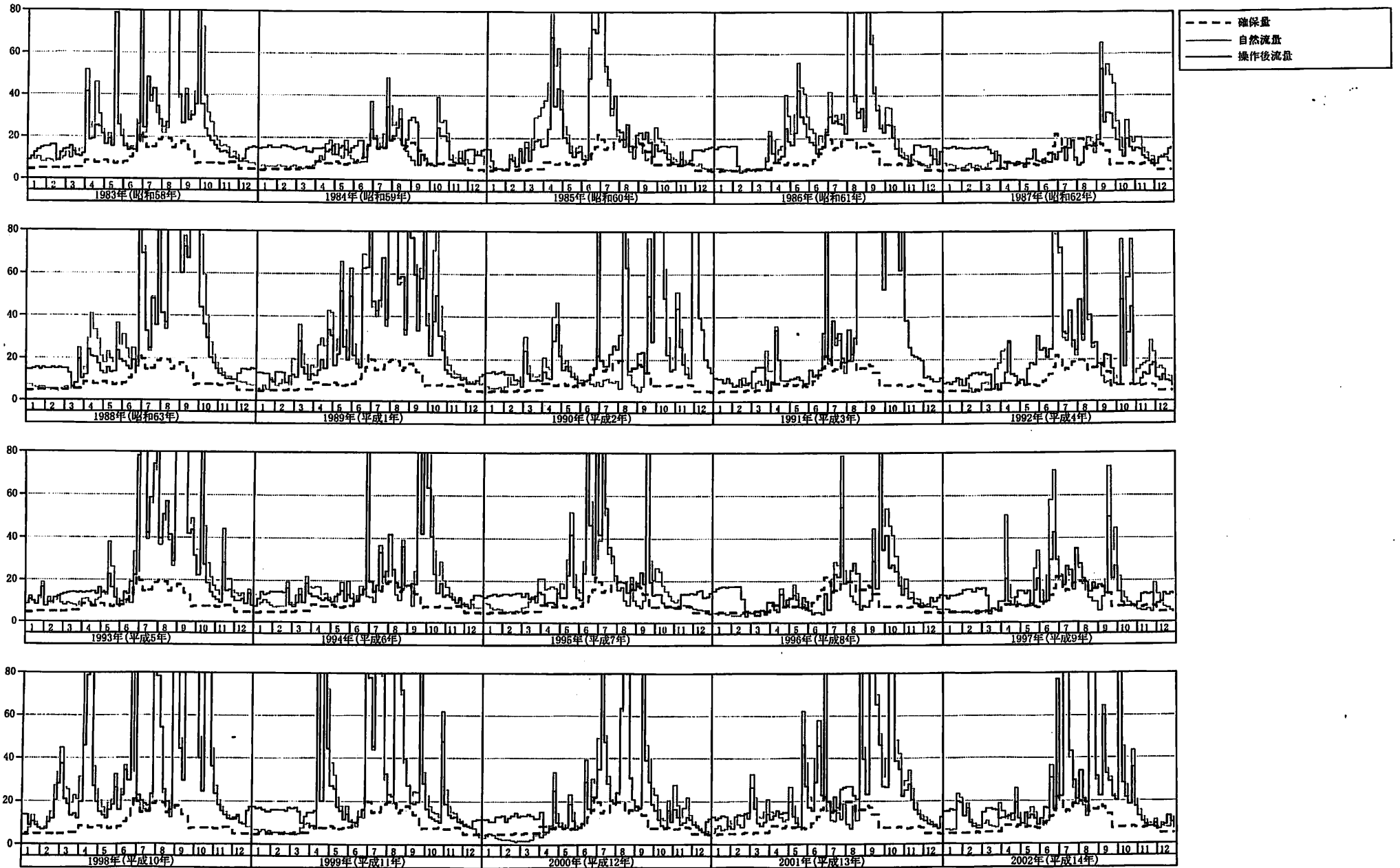
年度	月	半旬	切下げなし			切下げ率11.5%			切下げ率28.2%		
			自然	確保量	操作後	自然	確保量	操作後	自然	確保量	操作後
2002	1	1	9.61	15.27	15.27	9.61	14.09	14.09	9.61	12.37	12.37
2002	1	2	9.72	15.27	15.27	9.72	14.09	14.09	9.72	12.37	12.37
2002	1	3	8.52	15.27	15.27	8.52	14.09	14.09	8.52	12.37	12.37
2002	1	4	9.59	15.27	15.27	9.59	14.09	14.09	9.59	12.37	12.37
2002	1	5	45.47	15.27	27.44	45.47	14.09	27.76	45.47	12.37	28.22
2002	1	6	60.25	15.27	43.73	60.25	14.09	44.06	60.25	12.37	44.55
2002	2	1	26.57	15.27	19.16	26.57	14.09	19.51	26.57	12.37	20.03
2002	2	2	30.11	15.27	23.95	30.11	14.09	24.30	30.11	12.37	25.20
2002	2	3	16.89	15.27	15.27	16.89	14.09	14.09	16.89	12.37	12.57
2002	2	4	12.98	15.27	15.27	12.98	14.09	14.09	12.98	12.37	12.37
2002	2	5	11.72	15.27	15.27	11.72	14.09	14.09	11.72	12.37	12.37
2002	2	6	12.04	15.27	15.27	12.04	14.09	14.09	12.04	12.37	12.37
2002	3	1	12.35	15.27	15.27	12.35	14.09	14.09	12.35	12.37	12.37
2002	3	2	13.60	15.27	15.27	13.60	14.09	14.09	13.60	12.37	12.37
2002	3	3	10.65	15.27	15.27	10.65	14.09	14.09	10.65	12.37	12.37
2002	3	4	10.45	15.27	15.27	10.45	14.09	14.09	10.45	12.37	12.37
2002	3	5	10.78	15.27	15.27	10.78	14.09	14.09	10.78	12.37	12.37
2002	3	6	32.18	15.27	15.27	32.18	14.09	14.09	32.18	12.37	12.37
2002	4	1	19.96	15.27	15.27	19.96	14.09	14.09	19.96	12.37	12.37
2002	4	2	14.73	15.27	15.27	14.73	14.09	14.09	14.73	12.37	12.37
2002	4	3	20.05	15.27	15.27	20.05	14.09	14.09	20.05	12.37	12.37
2002	4	4	15.76	15.27	15.27	15.76	14.09	14.09	15.76	12.37	12.37
2002	4	5	36.22	15.27	15.27	36.22	14.09	15.55	36.22	12.37	18.89
2002	4	6	17.77	15.27	15.27	17.77	14.09	14.09	17.77	12.37	12.37
2002	5	1	15.84	15.27	15.27	15.84	14.09	14.09	15.84	12.37	12.37
2002	5	2	13.10	15.27	15.27	13.10	14.09	14.09	13.10	12.37	12.37
2002	5	3	23.29	15.27	15.27	23.29	14.09	14.09	23.29	12.37	13.69
2002	5	4	29.12	14.27	14.27	29.12	13.20	13.44	29.12	11.65	24.89
2002	5	5	19.05	14.27	14.27	19.05	13.20	13.20	19.05	11.65	15.12
2002	5	6	15.26	14.27	14.27	15.26	13.20	13.20	15.26	11.65	12.33
2002	6	1	14.18	14.27	14.27	14.18	13.20	13.20	14.18	11.65	11.65
2002	6	2	11.42	14.27	14.27	11.42	13.20	13.20	11.42	11.65	11.65
2002	6	3	14.26	14.27	14.27	14.26	13.20	13.20	14.26	11.65	11.65
2002	6	4	48.94	14.27	24.59	48.94	13.20	25.51	48.94	11.65	33.07
2002	6	5	20.23	14.27	14.27	20.23	13.20	13.20	20.23	11.65	11.65
2002	6	6	44.88	14.27	79.37	44.88	13.20	137.18	44.88	11.65	194.88
2002	7	1	43.58	14.27	22.24	43.58	13.20	28.40	43.58	11.65	33.23
2002	7	2	218.88	14.27	208.37	218.88	13.20	209.91	218.88	11.65	212.15
2002	7	3	658.49	14.27	647.39	658.49	13.20	649.05	658.49	11.65	651.46
2002	7	4	72.07	14.27	61.39	72.07	13.20	63.00	72.07	11.65	65.35
2002	7	5	43.82	14.27	29.83	43.82	13.20	31.84	43.82	11.65	34.75
2002	7	6	31.83	14.27	16.98	31.83	13.20	18.94	31.83	11.65	21.92
2002	8	1	47.86	14.27	32.72	47.86	13.20	34.95	47.86	11.65	38.02
2002	8	2	24.20	14.27	14.27	24.20	13.20	13.20	24.20	11.65	14.22
2002	8	3	18.23	14.27	14.27	18.23	13.20	13.20	18.23	11.65	11.65
2002	8	4	393.32	14.27	369.15	393.32	13.20	374.26	393.32	11.65	383.15
2002	8	5	126.08	14.27	110.62	126.08	13.20	115.15	126.08	11.65	117.68
2002	8	6	45.74	14.27	32.65	45.74	13.20	34.40	45.74	11.65	36.93
2002	9	1	31.53	14.27	14.98	31.53	13.20	16.88	31.53	11.65	19.64
2002	9	2	157.88	14.27	138.02	157.88	13.20	139.84	157.88	11.65	142.49
2002	9	3	76.34	14.27	61.94	76.34	13.20	63.39	76.34	11.65	65.49
2002	9	4	57.55	14.27	43.30	57.55	13.20	44.75	57.55	11.65	46.86
2002	9	5	36.58	14.27	29.94	36.58	13.20	30.62	36.58	11.65	31.61
2002	9	6	38.41	14.27	30.18	38.41	13.20	30.90	38.41	11.65	31.96
2002	10	1	583.99	14.27	487.90	583.99	13.20	488.35	583.99	11.65	489.00
2002	10	2	82.51	14.27	60.46	82.51	13.20	60.78	82.51	11.65	61.27
2002	10	3	47.95	14.27	38.32	47.95	13.20	38.65	47.95	11.65	39.12
2002	10	4	39.74	14.27	32.39	39.74	13.20	32.68	39.74	11.65	33.11
2002	10	5	83.20	14.27	70.96	83.20	13.20	71.32	83.20	11.65	71.83
2002	10	6	35.57	14.27	28.82	35.57	13.20	29.11	35.57	11.65	29.54
2002	11	1	24.62	15.27	18.81	24.62	14.09	19.07	24.62	12.37	19.44
2002	11	2	19.91	15.27	15.27	19.91	14.09	14.70	19.91	12.37	15.10
2002	11	3	16.93	15.27	15.27	16.93	14.09	14.09	16.93	12.37	12.37
2002	11	4	15.14	15.27	15.27	15.14	14.09	14.09	15.14	12.37	12.37
2002	11	5	16.76	15.27	15.27	16.76	14.09	14.09	16.76	12.37	12.37
2002	11	6	19.70	15.27	15.27	19.70	14.09	14.09	19.70	12.37	12.37
2002	12	1	14.20	15.27	15.27	14.20	14.09	14.09	14.20	12.37	12.37
2002	12	2	17.54	15.27	15.27	17.54	14.09	14.09	17.54	12.37	12.37
2002	12	3	15.62	15.27	15.27	15.62	14.09	14.09	15.62	12.37	12.37
2002	12	4	12.98	15.27	15.27	12.98	14.09	14.09	12.98	12.37	12.37
2002	12	5	27.31	15.27	15.27	27.31	14.09	14.09	27.31	12.37	17.79
2002	12	6	15.04	15.27	15.27	15.04	14.09	14.09	15.04	12.37	12.37

3. 各基準地点流量計算結果（切り下げ無し）

切り下げ無しの寄居地点及び古谷本郷地点の流量計算結果（流況図）を次に示す。

寄居地点流況図

(m^3/s)



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古谷本郷地点流況図

(m^3/s)

