

生態水文学研究所日降水量・日流出量観測結果報告 (IX)

東京大学大学院農学生命科学研究科附属演習林生態水文学研究所

キーワード：日降水量，日流出量，試験流域

Report of the Daily Rainfall and Runoff in Ecohydrology Research Institute (IX)

Ecohydrology Research Institute, The University of Tokyo Forests, Graduate School of
Agricultural and Life Sciences, The University of Tokyo

Keywords : Daily precipitation, Daily runoff, Experimental watershed

1 . はじめに

東京大学大学院農学生命科学研究科附属演習林生態水文学研究所 (以下，生態水文学研究所) では，1930年から試験流域における日降水量と日流出量の観測結果を公表しており，前報 (東京大学大学院農学生命科学研究科附属演習林生態水文学研究所，2013) では，1991年から1999年までの1試験流域 (東山) と2000年から2001年までの3試験流域 (白坂，穴の宮，東山) における観測結果を公表した。本報告では，白坂の2002年と穴の宮および東山の2002年から2010年までの9年間の観測結果を公表する。さらに，ポイントゲージの読み取り値を用いて過去の水位データを補正し，流量の再計算を行った結果について，白坂は1997年から1999年まで，穴の宮は1991年から1999年まで，東山は1991年から2001年までのデータをあわせて公表する。なお東京大学演習林基盤データ整備委員会水文水質部門の発足に伴い，白坂の2003年以降のデータは同部門によって公表される (東京大学大学院農学生命科学研究科附属演習林基盤データ整備委員会水文水質部門，2014) ため，本報告には含めていない。

2 . 流域の概要

3試験流域の地形を図 - 1 に，流域面積，表層地質，植生，樹木の平均蓄積を表 - 1 に示した。表 - 1 の作成は澤田晴雄 (現所属：東京大学大学院農学生命科学研究科附属演習林樹芸研究所) ・松井理生が担当した。

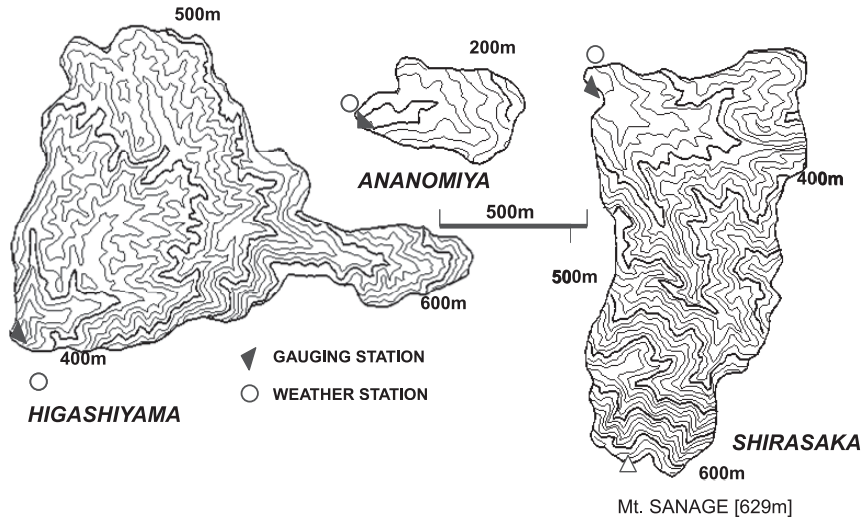


図 - 1 . 穴の宮，東山，白坂の各試験流域の地形

表 - 1 . 穴の宮，東山，白坂の各試験流域の概要

	穴の宮	東山	白坂
流域面積 (ha)	13.9	106.5	88.5
表層地質	白亜紀の深層まで風化した花崗岩質岩石	白亜紀の深層まで風化した花崗岩質岩石	白亜紀の深層まで風化した花崗岩質岩石
植生	落葉広葉樹林，一部針葉樹人工林（ヒノキ 0.11ha， テーダマツ 0.02ha)	落葉広葉樹林	落葉広葉樹林，一部針葉樹人工林（スギ 0.90ha， ヒノキ 1.04ha)
平均蓄積量 (1990 年) (m^3ha^{-1}) *	80.8	145.3	277.5***
平均蓄積量 (2000 年) (m^3ha^{-1}) **	88.7	149.4	204.9
平均蓄積量 (2009 年) (m^3ha^{-1}) ****	116.4	160.6	224.2

* 農学部附属愛知演習林 (1993)

** 2000 年に測定したデータ (場所は異なる) を 1990 年と同じ方法で計算した値。

*** 白坂においては，1990 年の値 (277.5) は，それ以前および以降の蓄積と比較しても，明らかに高すぎであり，測定ミスである可能性が高い。

**** 2009 年に測定したデータ (場所は異なる) を 1990 年と同じ方法で計算した値。

3. 観測，流出量計算，本報告作成の担当者

降水量および静水池の水位の観測は，生態水文学研究所における重要な業務の一つとして位置づけられている。具体的な作業として，越流部分のゴミの除去等の観測施設の維持，水位観測記録装置の維持補修，水位記録紙交換，ポイントゲージによる定期的な水位測定といったルーチンワークが行われている。これらの作業は生態水文学研究所教育研究推進系の職員によって行われ

ている。また静水池の土砂排出作業を1年に1～2回行っており、この作業は生態水文学研究所全教職員の指導のもと、学生、生徒、赤津研究林サポーターズクラブ シデコブシの会メンバー等も参加して行われている。

観測で得られた生データから日降水量、日流出量を算出する作業は、生態水文学研究所気象水文過去データ管理室の教職員が中心となって行った。具体的には以下のとおりである。

白坂降水量： 五名美江・蔵治光一郎

白坂流出量： 五名美江・五名美恵・蔵治光一郎

穴の宮降水量： 五名美江・蔵治光一郎

穴の宮流出量： 五名美江・五名美恵・蔵治光一郎

東山降水量： 五名美江・蔵治光一郎

東山流出量： 田中延亮・乙部みどり

4. 資料の性質

穴の宮、東山、白坂の各試験流域における降水量と水位の計測システムを表-2に、日降水量、日流出量を穴の宮、東山、白坂それぞれ付表-1, 2, 3に示す。

1991年から2000年までは、日界を9時とし、ある日の日降水量・日流出量は前日の午前9:00からその日の午前9:00までの降水量・流出量とした。2001年以降は、日界を0時とし、ある日の日降水量・日流出量はその日の午前0:00から24:00までの降水量・流出量とした。

転倒マス雨量計で観測される降水量は、貯留型指示雨量計で観測される降水量に比べて、蒸発による系統誤差が発生して、過小評価の恐れがある。また、降雪の場合、転倒マス雨量計の受水マスに溜まった雪が解けて水となり、転倒マスに落下し、転倒マスが転倒した段階で降水量として記録されるため、時間の遅れがでる可能性がある。

量水堰堤の越流部分の正面図を図-2に示す。水位 h [m]から流出量 Q [$m^3 sec^{-1}$]の換算には、 h と量水堰堤の狭堰の下端と広堰の下端との標高差 H [m]との大小に応じて、以下の(1)式と(2)式を使い分けた。

$$h < H \text{ の場合, } Q = \frac{2}{3} C b \sqrt{2g} h^{\frac{3}{2}} \quad (1)$$

$$h \geq H \text{ の場合, } Q = \frac{2}{3} C b \sqrt{2g} h^{\frac{3}{2}} + \frac{2}{3} C N B \sqrt{2g} (h - H)^{\frac{3}{2}} \quad (2)$$

ここで、 C は縮流堰の流出量係数(=0.6)、 b [m]は中心に位置する狭堰の幅、 B [m]はその両側に配置された広堰の幅、 N は広堰の個数、 g [$m sec^{-2}$]は重力の加速度である。流域ごとの b 、 H 、 B 、 N を表-3に整理した。

3試験流域とも、ロール紙から読み取った変曲点の水位と時刻のデータ、5分間隔の水位デー

タを、毎平日（白坂）ないし毎週（穴の宮，東山）職員が測定したポイントゲージのデータで補正した。

東山の流出量の計算は、ロール紙から読み取った変曲点の水位と時刻のデータ，5分間隔の水位データとともに，従来法（時刻 t_1 ， t_2 における水位がそれぞれ h_1 [m]， h_2 [m] の場合， t_1 と t_2 の間の時間は， h_1 と h_2 を算術平均した水位が継続すると仮定して計算する方法）を用いた。一方，穴の宮と白坂の流出量の計算には，従来法とは異なる，より厳密な方法（積分法）を用いた。時刻 t_1 ， t_2 における水位がそれぞれ h_1 [m]， h_2 [m] の場合，時刻 t_1 から t_2 までの積算流出量は次式で与えられる。

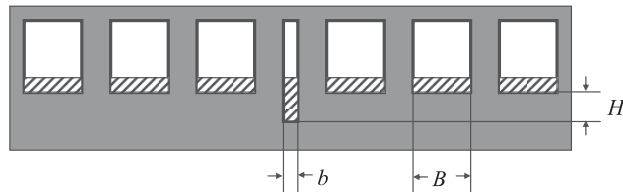


図 - 2 . 量水堰の矩形ノッチの正面図（東山の例）

表 - 2 . 穴の宮，東山，白坂の各試験流域における2002年以降の降水量と水位の計測システム
降水量

	穴の宮	東山	白坂
メインシステム	センサー	転倒マス雨量計	転倒マス雨量計
	場所	気象観測露場	気象観測露場
	記録装置	データロガー (キャンベル社CR10X)	データロガー (キャンベル社CR11X)
バックアップシステム	センサー	転倒マス雨量計	転倒マス雨量計*
	場所	量水観測小屋上	量水観測小屋上*
	記録装置	データロガー (水晶式水位計併設)	データロガー (水晶式水位計併設)

水位

	穴の宮	東山	白坂
メインシステム	水位計	水晶式水位計 (明星電気QWP-8-202E)	水晶式水位計 (明星電気QWP-8-202E)
	記録装置	データロガー (明星電気QWP-YY2)	データロガー (明星電気QWP-YY2)
	読取方法	5分間隔の水位	5分間隔の水位
	流出量計算方法	積分法	従来法
バックアップシステム	水位計	月巻き自記水位計 (池田計器ADR-102)	月巻き自記水位計 (池田計器ADR-102)
	記録装置	ロール紙	ロール紙
	読取方法	変曲点の水位と時刻	変曲点の水位と時刻
	流出量計算方法	積分法	従来法

*白坂における降水量観測では，このほか，バックアップシステムとして以下のシステムが2003年8月31日まで稼働していた
センサー：転倒マス雨量計
場所：気象観測露場
記録装置：プリンターによる印字(NASC0N-2000，毎時の積算値を記録)

表 - 3 . 穴の宮，東山，白坂の各試験流域における量水堰の堤越流部分の正面の寸法とノッチの個数

		b [m]	H [m]	B [m]	N
穴の宮	Ananomiya	0.2	0.2	1.0	4
東山	Higashiyama	0.2	0.4	1.0	6
白坂	Shirasaka	0.2	0.5	1.0	12

$$\int_{t_1}^{t_2} D(h) dt = \int_{t_1}^{t_2} D(h) \frac{dt}{dh} dh \quad (3)$$

ここで、 $D(h)$ は水位と流出量の関係式である。時刻 t_1 から時刻 t_2 までの水位の増分が時間の増分に比例して直線的に変化している場合、 dh/dt は定数となるため、この式は解析的に解くことができ、時刻 t_1 から時刻 t_2 までの積算流出量が厳密に求められる。

日流出量は、小数点第二位を四捨五入して第一位まで求めた値を表示している。月流出量および年流出量については、日流出量の合計値を表示している。

以下に、各試験流域の降水量および流出量を求めるにあたっての特筆すべき事項を記す。

【穴の宮降水量】

1991～99年については前々報（東京大学大学院農学生命科学研究科附属演習林生態水文学研究所，2012）に記載した値をそのまま掲載した。2002～2010年の日降水量は気象観測月報に記載した値と同じである。

【穴の宮流出量】

ポイントゲージによる水位の補正と流量の再計算は1991年1月1日～1999年12月31日について行った。1993年2月9日～3月5日および1998年9月23～25日、10月1～2日の流出量は欠測であり、前々報（東京大学大学院農学生命科学研究科附属演習林生態水文学研究所，2012）でもそのように報告している。本報告では上記に加えて1993年2月6～8日にもn/aを記載している。この期間は欠測ではないものの、ポイントゲージ補正ができなかった。

【東山降水量】

1991～2001年は前報（東京大学大学院農学生命科学研究科附属演習林生態水文学研究所，2013）掲載の降水量をそのまま掲載した。2002～2010年の日降水量は気象観測月報に記載した値と同じである。

【東山流出量】

ポイントゲージによる水位の補正と流量の計算は1991年1月～2010年12月について行った。前報（東京大学大学院農学生命科学研究科附属演習林生態水文学研究所，2013）で報告した1991年1月～2001年12月の間の流量は、ポイントゲージによる水位の補正を行っていない計算結果である。また、今回の検討の結果、前報（東京大学大学院農学生命科学研究科附属演習林生態水文学研究所，2013）における2001年8月27、28日の値は欠測と判断されたため、その修正表を表-6に記載した。

【白坂降水量】

1997～99年については前々報（東京大学大学院農学生命科学研究科附属演習林生態水文学研

研究所，2012）に記載した値に前報（東京大学大学院農学生命科学研究科附属演習林生態水文学研究所，2013）に掲載した訂正を反映させた値を掲載した。2002年の日降水量は同年の気象観測月報に記載した値と同じである。

【白坂流出量】

ポイントゲージによる水位の補正と流量の再計算は1997年2月28日～1999年12月31日について行った。1997年2月27日以前にもポイントゲージによる水位観測は毎日行われていたが、計測時刻の記録が不完全であるため今回の補正計算の対象から外した。1997年7月14, 15日および1998年10月21, 22日は今回の検討の結果、欠測と判断されたため、前々報（東京大学大学院農学生命科学研究科附属演習林生態水文学研究所 2012）に記載した値を修正する必要が生じたため、付表 - 6 に記載した。

5．過去に公表したデータの訂正

生態水文学研究所の試験流域で観測された日降水量・日流出量は、これまで「愛知演習林量水観測結果報告」(I)～(VII)および「生態水文学研究所日降水量・日流出量観測報告」(XIII)の題名で公表している（愛知演習林・演習林研究部，1976, 1977；愛知演習林，1981, 1984, 1987, 1999；東京大学大学院農学生命科学研究科附属演習林生態水文学研究所，2012, 2013）。これらのデータの中に誤りがあることは、すでに西尾ら（1993）により指摘されていた。このうち日降水量の誤りについて、2012年8月31日時点での訂正箇所のリストを前報（東京大学大学院農学生命科学研究科附属演習林生態水文学研究所, 2013）に掲載したが、その後の確認作業で発見された日降水量の新たな誤りの訂正表を付表 - 4 に示す。また前報（東京大学大学院農学生命科学研究科附属演習林生態水文学研究所，2013）に示した日降水量の訂正表に誤りがあった。日降水量の訂正表の再訂正表を付表 - 5 に示す。また1991年以降の日流出量公表値の誤りについての訂正表を付表 - 6 に示す。このリスト作成は、五名美恵，五名美江，蔵治光一郎が中心となって行った。白坂の修正後のデータは、生態水文学研究所Webページにて公開しているデータに反映されている。

西尾ら（1993）は、1990年以前の日流出量公表値の訂正表も掲載している。生態水文学研究所では、西尾ら（1993）に掲載された訂正を含め、引き続き、過去に公表したデータの確認作業を進めており、今後も同様の訂正が報告される可能性もある。

引用文献

- 愛知演習林（1981）愛知演習林量水観測結果報告（III）. 演習林（東大）22：84-191 .
愛知演習林（1984）愛知演習林量水観測結果報告（IV）. 演習林（東大）23：57-88 .
愛知演習林（1987）愛知演習林量水観測結果報告（V）. 演習林（東大）25：135-151 .

- 愛知演習林(1999)愛知演習林量水観測結果報告(VI). 演習林(東大)38:127-146.
- 愛知演習林・演習林研究部(1976)愛知演習林量水観測結果報告(I). 演習林(東大)20:39-64.
- 愛知演習林・演習林研究部(1977)愛知演習林量水観測結果報告(II). 演習林(東大)21:48-89.
- 西尾邦彦, 築瀬憲次, 原 孝秀, 荒木田きよみ(1993)水流出特性に影響を及ぼす流域の地被状況の評価(I). 第40回日本林学会中部支部大会講演論文集:261-264.
- 農学部附属愛知演習林(1993)愛知演習林第3期試験研究計画(自平成4年度至平成13年度). 演習林(東大)30:1-57.
- 東京大学大学院農学生命科学研究科附属演習林生態水文学研究所(2012)愛知演習林量水観測結果報告(VII)【修正版】. 演習林(東大)52:1-23.
- 東京大学大学院農学生命科学研究科附属演習林生態水文学研究所(2013)愛知演習林量水観測結果報告(VIII). 演習林(東大)53:29-53.
- 東京大学大学院農学生命科学研究科附属演習林基盤データ整備委員会水文水質部門(2014)東京大学演習林水文観測・水質分析結果報告(自2003年1月至2011年12月). 演習林(東大), 55:51-162.

付表 - 1 . 穴の宮流域の日降水量と日流出量

ANANOMIYA 1991

unit: mm/day

annual precipitation: 1967.5

annual runoff:

1238.9

day	January		February		March		April		May		June		July		August		September		October		November		December	
	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff
1	7.0	1.4	1.0	2.3	4.3	2.2	25.0	4.3	5.7	0.4	2.9	3.3	27.4	7.7	3.0	3.0	3.3	27.4	7.7	3.0	3.0	3.3	27.4	7.7
2	1.7	1.0	1.0	1.5	3.3	1.8	6.8	1.8	14.2	6.7	2.5	1.8	12.0	7.2	1.8	1.8	1.8	12.0	7.2	1.8	1.8	1.8	12.0	7.2
3	1.3	0.9	0.9	1.2	2.9	1.6	45.9	10.6	0.4	4.3	2.3	4.3		4.1	2.3	2.3	1.5	4.1	4.1	2.3	2.3	4.1	4.1	
4	1.2	0.9	1.1	1.1	2.6	0.2	1.5	27.7	13.3	3.7	2.1	3.7		3.0	2.1	1.2	1.2	3.0	3.0	2.1	2.4	3.0	3.3	
5	1.1	1.0	1.0	1.1	2.3	1.4	7.0	10.5	7.0	10.5	0.2	1.9	3.4	2.6	1.1	1.1	1.1	3.4	2.6	2.3	2.3	2.6	2.9	
6	1.1	0.9	1.1	1.1	2.2	1.4	4.6	0.9	8.8	8.8	6.8	2.6	1.0	10.6	3.8	2.1	1.0	10.6	3.8	2.1	2.1	2.7	2.7	
7	2.0	1.3	0.9	1.0	4.5	1.3		3.5	6.0	54.6	9.4	6.0	33.6	6.6	0.9	0.9	0.9	33.6	6.6	2.1	2.1	2.6	2.6	
8	3.9	1.3	0.1	0.8	5.7	1.3	2.7	1.8	5.0	5.0	3.8	4.0	1.5	7.0	0.2	0.2	0.2	1.5	7.0	2.0	2.0	2.5	2.5	
9	0.1	1.1	0.4	0.8	5.8	2.0	2.4	2.9	2.3	4.0	3.8	4.0	1.1	4.6	1.1	1.1	1.1	1.5	4.6	12.9	12.9	2.2	2.3	
10	1.1	1.1	0.7	3.3	3.9	2.1	7.4	2.3	0.1	3.6	3.0	3.6	0.8	5.6	0.8	0.8	0.8	5.6	4.5	2.2	2.2	2.2	2.2	
11	0.2	1.1	17.4	2.6	7.0	2.5	5.3	3.5	1.6	2.6	2.9	3.2	0.2	2.7	0.7	0.7	0.7	9.0	4.5	1.9	1.9	0.4	2.1	
12		1.0		1.2	4.8	3.5	0.1	1.4	2.0	10.2	3.3	0.6	2.4	2.7	0.6	0.6	0.6	20.2	7.7	1.8	1.8	1.8	2.2	
13	6.8	1.5	1.0	2.8	2.8	2.8	15.3	2.8	0.1	1.7	17.9	6.2	2.1	1.4	0.6	0.6	0.6	2.6	5.6	1.8	1.8	1.8	1.9	
14	1.2	1.0	1.0	2.3	4.6	1.7	58.9	12.9	0.1	3.5	1.8	3.5	6.4	4.2	1.8	61.4	6.4	4.2	4.2	1.8	1.8	1.8	1.8	
15	1.1	0.2	0.9	2.0	3.4	1.4	5.5	5.5	2.8	2.8	2.8	2.8	5.9	3.5	1.6	5.0	5.9	3.5	3.5	1.8	1.8	1.8	1.8	
16	0.4	1.1	30.4	4.4	0.3	1.8	26.0	6.6	40.0	6.6	6.6	6.6	4.8	3.1	1.5	4.8	3.1	2.9	2.9	1.6	1.6	1.7	1.7	
17		1.0		2.3	10.6	2.9	2.6	5.4	2.8	5.3	24.0	11.4	1.6	2.4	1.6	2.4	2.4	2.4	2.4	1.5	1.5	1.7	1.7	
18	4.1	1.3	1.8	1.9	3.2	2.6	2.0	5.5	4.3	28.0	11.5	1.4	14.4	9.8	1.4	14.4	2.4	41.2	9.8	1.5	1.5	5.1	1.9	
19		1.0	0.4	1.6	1.7	9.0	3.6	1.6	0.6	3.4	18.4	15.0	1.4	168.6	52.8	5.3	5.3	5.3	5.3	1.5	1.5	1.9	1.9	
20	0.9	1.5	1.5	1.6	1.6	1.4	8.9	3.3	0.8	8.3	0.2	1.4	16.6	42.0	4.2	4.2	4.2	4.2	1.5	1.5	1.5	1.6	1.6	
21	0.4	0.9	1.3	6.0	2.1	2.2	1.3	6.6	4.7	6.4	6.4	6.4	1.9	10.1	3.6	3.6	3.6	3.6	0.4	1.4	1.4	1.5	1.5	
22	21.9	3.6	1.4	1.3	1.8	1.6	2.6	0.6	0.6	3.1	5.1	5.1	0.4	6.8	3.3	3.3	3.3	3.3	1.4	1.4	1.4	1.4	1.4	
23	1.7	0.2	1.3	46.2	7.6	2.7	1.2	14.8	4.4	2.2	4.7	4.7	1.3	5.3	3.1	3.1	3.1	3.1	1.3	1.3	1.3	1.3	1.3	
24	1.5	1.1	2.4	6.5	4.6	2.9	1.1	28.0	7.2	3.9	3.9	3.9	1.6	4.4	4.4	4.4	4.4	31.1	2.9	3.2	3.2	2.2	2.2	
25	4.4	1.6	1.1	4.2	9.8	3.4	0.3	1.1	20.0	10.9	3.4	3.4	7.4	2.1	4.1	4.1	4.1	31.1	5.4	1.3	1.3	1.6	1.6	
26	1.4	7.0	1.3	3.5	3.1	0.3	1.1	6.7	3.1	3.1	3.1	3.1	1.6	3.7	3.7	3.7	3.7	5.2	5.2	1.2	1.2	26.8	4.0	
27	1.2	1.0	3.2	2.8	0.6	2.7	6.4	1.3	4.8	36.8	6.0	6.0	3.6	3.7	1.2	3.6	3.7	15.7	4.6	1.2	1.2	2.8	2.8	
28	1.2	5.4	1.2	7.8	3.4	2.4	1.2	1.3	3.8	1.2	6.2	6.2	1.1	4.6	4.6	4.6	4.6	7.3	6.1	35.5	35.5	39.8	7.4	
29									1.1	17.3	4.5	1.6	4.2	2.4	1.1	5.5	5.5	4.2	4.2	94.9	32.1	0.4	5.7	5.7
30	1.1								2.3	15.1	5.7	6.6	6.6	4.0	1.0	0.6	0.6	4.9	3.6	9.2	9.2	4.2	4.4	
31	1.0								0.9	3.4	57.6	7.7	3.4	57.6	7.7	3.4	57.6	7.7	3.4	3.3	3.3	3.5	3.6	
total	57.2	40.1	65.0	36.8	176.8	86.7	128.8	99.1	66.7	49.7	329.4	180.5	256.6	183.6	225.1	146.9	146.9	146.9	146.9	96.0	96.0	92.1	87.0	87.0

付表 - 1. 穴の宮流域の日降水量と日流出量(つづき)

ANANOMIYA

1992

unit: mm/day

annual precipitation: 1434.9

annual runoff:

759.8

day	January		February		March		April		May		June		July		August		September		October		November		December	
	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff
1	2.9	20.8	2.8	1.3	7.6	3.5	8.6	4.1	2.0	3.2	22.5	4.5	1.1	0.4	15.8	2.5	1.9	1.0	0.9	17.0	2.4			
2	2.7	8.1	2.4	1.1	20.0	10.5	5.2	1.8	2.4	2.7	7.5	3.3	4.8	1.3	0.4	15.8	2.5	1.9	1.0	0.9	17.0	2.4		
3	2.4	2.1	1.5	0.9	0.9	5.2	0.6	1.8	2.4	2.7	7.5	3.3	4.8	1.3	0.4	15.8	2.5	1.9	1.0	0.9	17.0	2.4		
4	2.2	12.1	2.4	0.8	4.0	4.0	1.6	1.5	1.9	2.1	2.2	2.2	0.7	1.3	0.3	0.3	0.9	0.2	0.8	0.8	1.1	1.1		
5	2.1	2.0	1.6	2.3	27.1	5.7	1.5	1.5	1.9	1.9	1.9	1.9	1.1	1.1	0.3	0.3	0.7	0.8	0.8	0.8	1.2	1.2		
6	2.0	1.6	1.6	2.3	17.4	5.8	1.5	1.2	2.0	6.6	6.6	6.6	1.0	2.0	0.3	16.2	2.2	0.8	0.8	0.8	1.6	1.6		
7	12.7	3.3	1.6	1.2	4.0	4.0	1.3	0.2	1.7	1.9	1.9	1.9	0.9	0.9	0.3	1.0	1.0	3.3	0.9	4.8	1.8	1.8		
8	2.3	2.3	1.5	0.9	3.3	7.4	1.9	38.4	5.6	0.2	1.8	1.8	0.5	0.8	0.3	0.2	0.7	0.8	44.8	6.9	6.0	6.0		
9	4.6	2.0	1.4	0.8	0.6	3.0	32.6	4.3	3.6	1.5	25.6	2.6	2.6	2.6	0.3	51.2	7.7	1.2	0.8	0.8	6.0	6.0		
10	2.8	2.7	1.3	2.2	0.9	11.5	2.8	16.6	7.0	2.4	1.4	0.6	2.5	2.4	0.2	3.8	35.6	5.1	3.8	35.6	5.1	3.4	3.4	
11	1.9	1.9	1.3	0.9	11.6	5.2	3.3	6.5	2.3	16.8	1.9	1.9	1.5	1.5	0.2	1.9	1.9	1.9	1.9	12.0	3.9	3.9	3.9	
12	1.8	1.2	1.2	0.8	1.6	3.3	2.5	36.2	7.1	10.5	4.1	22.8	3.2	3.2	0.2	1.4	1.4	1.4	1.4	0.4	2.8	2.8	2.8	
13	1.7	1.7	1.2	0.7	1.6	2.8	4.5	2.3	4.0	0.4	2.0	5.8	2.0	2.0	0.2	0.5	1.3	1.0	1.0	1.3	2.3	2.3	2.3	
14	1.7	1.8	0.8	1.2	2.4	22.2	4.5	3.1	10.8	2.5	2.2	2.2	2.4	2.2	0.3	1.4	1.2	1.6	1.2	2.2	2.2	2.2	2.2	
15	1.7	0.2	1.2	0.7	2.1	3.2	4.4	5.0	2.9	29.8	7.2	1.2	10.6	0.7	23.8	3.3	3.3	3.3	3.3	1.2	1.9	1.9	1.9	
16	1.7	1.6	1.2	1.1	7.4	2.5	31.7	7.6	2.6	0.8	4.2	4.2	1.0	1.0	0.5	2.6	2.6	2.6	2.6	1.2	1.8	1.8	1.8	
17	1.7	1.1	1.1	0.9	2.0	2.0	6.0	6.0	2.1	3.0	3.0	3.0	0.8	0.8	0.3	1.6	1.6	1.6	1.6	0.8	1.7	1.7	1.7	
18	1.6	1.0	28.0	1.9	1.7	5.8	4.5	2.0	33.8	7.3	3.9	3.9	3.9	3.9	0.3	1.3	1.3	1.3	1.3	0.8	1.6	1.6	1.6	
19	1.5	1.0	5.4	4.5	5.0	1.7	8.0	5.6	1.8	2.0	1.4	5.7	0.1	0.9	10.0	0.6	0.1	1.1	1.1	0.8	1.5	1.5	1.5	
20	2.2	1.5	1.0	1.9	0.4	2.1	3.7	3.6	1.9	3.8	3.8	3.8	0.7	0.7	0.6	2.2	2.2	4.8	0.9	0.9	1.4	1.4	1.4	
21	1.4	1.0	17.4	2.4	1.4	3.1	24.6	5.0	3.0	5.0	3.0	3.0	0.7	0.7	0.3	2.9	45.6	8.4	0.2	1.3	1.3	1.3	1.3	
22	1.4	0.4	0.9	7.4	4.2	8.2	2.6	2.4	2.4	2.6	2.6	2.6	0.6	0.6	0.2	1.5	1.5	1.5	1.5	3.4	1.8	1.8	1.8	
23	1.3	0.9	0.9	2.3	23.4	6.0	2.3	1.9	1.9	1.9	1.9	1.9	0.6	0.6	0.3	1.2	1.2	1.2	1.2	2.7	1.1	1.1	1.1	
24	1.2	0.9	8.2	2.8	2.5	10.2	2.7	41.8	7.1	1.9	21.4	1.6	1.6	1.6	0.2	1.1	1.1	2.2	2.2	2.2	1.1	1.1	1.1	
25	1.2	0.2	0.9	14.5	3.7	3.8	2.6	2.6	4.9	1.7	0.4	1.9	0.4	1.9	5.0	9.8	3.4	1.9	1.9	2.2	1.2	1.2	1.2	
26	1.2	0.9	0.6	2.8	1.8	1.8	2.0	3.3	3.3	1.5	1.5	1.5	0.9	0.9	49.8	6.1	9.2	1.6	1.6	1.7	2.4	2.4	2.4	
27	1.1	0.9	2.4	2.4	1.7	1.7	1.8	2.7	2.7	1.4	1.4	1.4	0.7	0.7	0.9	1.3	1.3	1.3	1.3	1.4	1.0	1.0	1.0	
28	1.1	0.9	5.8	2.5	1.6	35.4	7.8	2.5	2.5	1.3	1.3	1.3	0.7	0.7	0.5	1.1	1.1	1.1	1.1	2.8	1.0	1.0	1.0	
29	1.2	0.8	9.1	2.4	1.6	4.2	4.5	2.2	2.2	1.2	1.2	1.2	0.6	0.6	2.7	0.4	0.4	0.4	0.4	1.0	1.2	1.2	1.2	
30	0.9	1.1	27.0	5.8	10.6	1.6	13.1	4.0	2.9	2.1	1.1	1.1	0.5	0.5	37.6	4.3	0.6	1.1	1.0	1.0	1.0	1.0	1.0	
31	1.1	44.2	38.0	161.2	61.5	148.8	95.5	205.9	109.4	162.2	91.7	141.1	84.3	89.0	115.7	20.6	156.9	58.1	92.5	48.4	92.5	60.1	60.1	
total	24.9	54.8	44.2	38.0	161.2	61.5	148.8	95.5	205.9	109.4	162.2	91.7	141.1	84.3	89.0	115.7	20.6	156.9	58.1	92.5	48.4	92.5	60.1	60.1

付表 - 1. 穴の宮流域の日降水量と日流出量(つづき)

ANANOMIYA 1993

unit: mm/day

n/a : data not available

annual precipitation: 1761.7

annual runoff:

n/a

day	January		February		March		April		May		June		July		August		September		October		November		December	
	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff
1	0.9	1.0	0.9	1.7	3.6	2.4	0.1	0.8	26.3	18.7	4.1	3.0	2.1	30.5	7.6	2.8	2.4	2.8	2.4	7.5	2.0	11.5	2.0	
2	0.9	0.9	0.9	1.4	2.4	1.8	0.7	0.7	10.3	10.3	3.0	3.0	2.1	2.1	3.6	3.6	1.8	1.8	1.8	1.8	1.8	1.8	1.8	
3	0.9	0.9	0.9	1.2	29.3	5.6	1.3	0.7	40.4	15.0	22.2	4.1	18.6	3.0	2.9	2.9	1.6	1.6	1.6	1.6	1.6	1.6	1.6	
4	1.0	0.9	0.9	1.2	n/a	n/a	0.1	0.6	0.1	10.6	6.6	5.3	34.9	7.6	13.3	4.1	1.4	1.4	1.4	1.4	1.4	1.4	1.4	
5	0.9	0.1	0.9	1.4	n/a	2.3	0.6	0.6	31.1	11.3	0.4	4.1	2.5	4.8	3.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	
6	0.9	n/a	n/a	1.4	0.7	1.1	2.0	0.5	n/a	9.9	25.0	6.9	3.0	3.0	2.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.5	
7	7.2	1.2	n/a	1.1	n/a	1.8	1.8	0.5	6.2	8.1	5.3	5.3	16.5	3.6	0.4	2.4	1.3	1.3	1.3	1.3	1.3	1.3	1.5	
8	15.0	2.9	1.1	n/a	2.1	0.8	1.1	1.5	0.3	6.8	6.7	4.7	28.0	6.4	6.2	2.5	12.8	1.7	1.7	1.7	1.7	1.7	1.5	
9	1.4	0.1	n/a	1.1	n/a	1.4	1.4	1.5	41.7	5.9	2.6	4.4	21.0	6.7	26.6	7.7	6.2	2.9	2.9	2.9	2.9	2.9	1.4	
10	10.4	1.7	n/a	1.3	n/a	1.3	0.9	1.8	9.4	1.8	3.1	3.2	6.5	5.9	2.2	4.0	50.0	29.3	0.1	4.1	4.1	1.6	1.3	
11	2.0	2.0	n/a	1.2	n/a	1.2	0.9	0.2	1.7	11.1	2.5	32.8	8.1	13.7	4.3	1.0	9.6	3.2	5.0	1.5	1.5	19.1	2.7	
12	1.4	n/a	n/a	1.2	0.9	1.2	0.9	1.2	1.3	10.7	9.4	3.9	6.6	6.6	2.7	1.4	1.9	0.6	1.8	1.8	1.8	1.8	1.8	
13	1.2	0.1	n/a	1.2	n/a	1.2	1.1	1.1	1.0	4.8	8.8	2.9	0.2	5.2	2.4	2.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5	
14	1.2	n/a	n/a	1.2	n/a	1.2	1.2	1.0	0.1	37.8	4.5	3.2	7.3	5.7	2.8	8.2	2.2	67.2	13.7	2.8	2.8	2.8	1.5	
15	13.6	2.4	n/a	1.2	0.8	6.2	1.5	11.0	6.5	5.0	6.4	15.8	4.7	21.6	20.7	2.0	2.0	2.0	2.0	2.0	2.0	6.6	1.6	
16	12.4	2.6	n/a	3.3	n/a	17.2	0.8	0.8	0.9	1.2	3.2	4.9	14.8	4.8	9.6	9.6	3.4	3.4	3.4	3.4	3.4	3.4	1.2	
17	2.4	24.0	n/a	1.7	n/a	1.7	0.8	0.8	10.9	1.1	0.2	2.1	0.2	7.3	5.3	6.8	2.0	2.0	2.0	2.0	2.0	2.4	1.6	
18	1.8	8.8	n/a	1.4	n/a	1.4	0.8	0.8	1.6	14.4	5.5	32.2	8.7	5.9	5.9	2.2	2.2	2.2	2.2	2.2	2.2	6.4	1.6	
19	1.7	n/a	n/a	1.3	0.7	1.6	2.0	1.6	0.3	4.7	13.6	9.6	6.9	3.9	5.6	2.1	5.8	3.4	3.4	3.4	3.4	3.4	1.4	
20	1.5	n/a	n/a	1.2	0.7	0.9	33.0	6.0	3.7	3.7	6.9	6.9	4.5	4.5	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	1.1	
21	1.4	n/a	n/a	1.2	0.7	0.8	0.8	2.9	0.9	3.6	3.5	5.7	4.0	4.0	0.4	2.1	4.5	2.9	2.9	2.9	2.9	9.6	1.9	
22	1.3	57.6	n/a	1.1	0.7	0.7	0.7	2.0	0.1	3.3	19.4	7.9	3.9	3.9	1.8	14.8	4.4	4.4	4.4	4.4	4.4	6.7	2.0	
23	1.3	2.7	n/a	1.1	19.3	3.1	25.0	3.0	2.9	5.5	6.3	6.3	5.4	5.4	1.5	1.5	2.8	2.8	2.8	2.8	2.8	1.5	1.7	
24	2.8	1.3	n/a	1.0	1.1	1.3	30.6	9.6	0.1	2.8	4.9	4.9	7.8	7.8	0.1	1.4	2.2	2.5	2.5	2.5	2.5	4.8	1.7	
25	0.2	1.3	n/a	2.9	6.6	1.1	1.1	1.1	4.9	3.6	3.2	3.8	4.0	4.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.5	
26	0.4	1.2	n/a	1.5	1.5	0.9	16.4	4.8	18.6	5.0	3.0	3.0	3.2	3.2	0.1	1.2	1.2	1.2	1.2	1.2	1.2	1.9	1.5	
27	1.0	n/a	n/a	1.3	0.8	0.8	1.1	4.9	1.6	3.7	2.5	2.5	2.8	2.8	1.2	3.3	2.0	2.0	2.0	2.0	2.0	4.4	1.6	
28	4.6	1.3	12.0	n/a	6.6	1.2	0.7	0.7	3.1	0.3	2.9	2.6	2.6	2.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.9	1.4	
29	0.2	1.2	n/a	4.7	12.5	3.2	43.0	0.6	3.8	2.8	2.5	2.5	2.5	2.5	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.7	1.3	
30	4.8	1.3	n/a	2.0	3.5	7.2	0.6	84.7	21.0	0.2	2.3	2.4	5.2	2.5	13.9	1.9	1.6	1.6	1.6	1.6	1.6	1.6	1.4	
31	1.0	n/a	n/a	1.7	1.8	1.4	1.4	1.8	1.8	37.3	8.4	2.3	2.3	2.3	28.0	5.9	80.2	83.8	83.8	83.8	83.8	69.9	49.8	
total	73.6	44.5	106.5	n/a	67.9	47.8	304.2	101.0	245.9	206.2	143.7	143.7	278.0	187.9	119.6	83.8	128.1	80.2	69.9	69.9	69.9	69.9	49.8	

1日のうち一部をバックアップ水位計の値より計算
1日のすべてをバックアップ水位計の値より計算

付表 - 1 . 穴の宮流域の日降水量と日流出量(つづき)

ANANOMIYA 1994

unit: mm/day

annual precipitation: 1054.1

annual runoff:

404.4

day	January		February		March		April		May		June		July		August		September		October		November		December	
	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff
1	6.1	1.9	10.1	1.2	0.9	0.8	1.9	0.8	0.5	0.6	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2	1.3	1.3	10.0	3.1	0.9	0.8	1.9	0.8	0.4	0.6	0.4	0.5	0.6	0.6	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
3	1.2	1.2	2.4	1.6	0.9	0.8	1.2	0.8	0.4	0.6	0.4	0.5	0.6	0.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
4	1.2	1.2	2.4	1.6	0.8	0.8	0.9	0.7	0.4	0.5	0.4	0.5	0.5	0.4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
5	1.2	1.2	1.4	1.4	0.8	0.8	0.8	0.8	0.7	0.4	0.3	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
6	1.1	1.1	1.2	1.2	0.9	0.8	1.0	1.0	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
7	1.1	1.1	1.2	1.2	0.8	0.7	0.8	0.7	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
8	1.0	1.0	1.1	1.1	1.2	1.5	1.5	1.5	0.7	0.6	0.6	0.7	0.8	0.8	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
9	1.0	1.0	4.5	1.3	25.2	5.4	5.4	5.4	0.9	0.6	0.6	0.9	0.9	0.7	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
10	0.9	0.9	0.9	1.2	0.2	2.2	2.2	2.2	0.7	0.6	0.6	0.6	0.7	1.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
11	0.9	0.9	1.0	1.0	1.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
12	0.9	0.9	1.0	1.0	1.5	0.5	0.7	56.0	6.5	0.5	0.5	0.5	0.4	0.4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
13	0.9	0.9	5.6	2.2	6.4	1.9	34.4	4.4	2.7	5.0	0.6	0.6	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
14	0.4	0.9	10.3	1.5	1.4	1.4	1.9	1.9	1.6	14.0	1.4	0.3	0.3	0.3	1.0	0.1	2.0	0.1	1.0	1.0	1.0	1.0	1.0	1.0
15	0.8	0.8	5.3	1.5	1.3	1.3	1.4	1.0	1.3	1.0	1.0	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
16	0.8	0.8	1.3	1.3	1.2	1.2	1.2	1.2	1.4	3.5	1.4	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
17	0.8	0.8	1.1	0.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.4	0.4	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
18	21.8	3.0	1.0	1.0	1.1	1.1	1.1	1.1	1.0	1.5	1.0	0.4	0.4	17.5	1.5	0.1	93.5	19.2	0.7	0.7	0.7	0.7	0.7	0.7
19	1.4	1.4	1.0	1.0	1.0	1.0	16.4	2.3	0.9	18.5	1.0	0.8	0.8	10.0	0.8	0.1	1.5	4.6	0.5	0.5	0.5	0.5	0.5	0.5
20	1.2	1.2	1.0	1.0	1.0	1.0	1.6	1.6	0.7	5.5	1.7	0.8	25.5	0.4	0.4	0.4	2.1	2.1	0.6	0.6	0.6	0.6	0.6	0.6
21	1.2	1.2	10.0	1.2	0.9	0.9	1.2	1.2	0.7	54.0	9.4	0.3	26.0	2.6	2.6	2.6	1.3	1.3	0.7	0.7	0.7	0.7	0.7	0.7
22	1.1	1.1	2.4	1.9	0.9	0.9	1.0	1.0	0.7	1.8	1.8	0.3	1.5	0.4	0.4	0.4	1.1	1.1	28.5	3.5	3.5	3.5	3.5	3.5
23	1.0	1.0	2.6	1.2	0.4	0.9	1.0	1.0	0.6	0.6	1.2	0.2	30.0	3.3	3.3	3.3	4.5	4.5	1.4	1.4	1.4	1.4	1.4	1.4
24	1.0	1.0	1.3	1.3	13.6	2.1	4.5	1.2	0.6	3.0	1.5	0.2	2.0	0.8	0.8	0.8	1.1	1.1	0.9	0.9	0.9	0.9	0.9	0.9
25	0.9	0.9	1.1	1.1	1.1	1.1	1.1	1.1	0.6	0.5	1.0	0.2	0.2	0.2	0.6	0.6	27.5	4.0	0.8	0.8	0.8	0.8	0.8	0.8
26	0.9	0.9	1.0	1.0	1.0	0.9	0.9	0.9	0.6	0.7	0.7	0.2	0.2	0.2	0.4	0.4	1.6	1.6	0.7	0.7	0.7	0.7	0.7	0.7
27	0.9	0.9	0.9	0.9	0.9	0.7	17.0	1.8	0.8	0.7	0.7	0.2	0.2	0.3	0.3	0.3	1.0	1.0	7.5	1.0	1.0	1.0	1.0	1.0
28	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.3	1.5	0.7	1.5	0.2	0.2	0.2	0.2	0.2	9.0	1.6	0.5	0.5	0.5	0.5	0.5	0.5
29	8.4	1.8	1.8	1.8	0.9	1.0	1.8	0.7	0.8	0.8	0.8	0.2	0.2	0.2	0.2	0.2	0.5	1.1	14.5	1.7	1.7	1.7	1.7	1.7
30	6.8	1.6	1.6	1.6	0.8	0.8	0.9	0.9	0.6	0.6	0.8	0.2	0.2	0.2	0.2	0.2	110.5	32.8	1.4	1.4	1.4	1.4	1.4	1.4
31	1.1	1.1	1.1	1.1	0.8	0.8	0.8	0.8	0.5	0.5	0.5	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.5	0.9	0.9	0.9	0.9	0.9
total	43.5	35.9	64.1	37.0	59.0	38.9	95.5	37.3	88.5	34.3	122.5	32.2	50.0	13.9	86.0	12.0	319.0	78.4	71.5	49.6	32.0	20.1	22.5	14.8

1日のうち一部をバックアップ水位計の値より計算
1日のすべてをバックアップ水位計の値より計算

付表 - 1 . 穴の宮流域の日降水量と日流出量(つづき)

ANANOMIYA		1995		unit: mm/day		annual precipitation: 1422.7		annual runoff: 706.8															
day	January rain runoff	February rain runoff	March rain runoff	April rain runoff	May rain runoff	June rain runoff	July rain runoff	August rain runoff	September rain runoff	October rain runoff	November rain runoff	December rain runoff											
1	7.0	0.4	0.5	0.5	2.9	3.6	2.0	20.0	1.8	2.3	34.0	6.0	0.7	4.8	0.6	0.5							
2	0.5	0.5	0.5	1.2	0.5	2.0	1.7	0.5	2.1	2.1	1.2	1.2	43.0	2.1	0.5	0.4							
3	0.6	0.5	4.0	1.2	22.5	8.4	1.7	11.5	1.8	2.0	5.0	0.8	1.0	2.7	0.5	0.5							
4	24.6	1.0	0.4	0.6	1.4	0.5	4.2	2.8	65.5	9.7	1.9	0.5	1.2	1.5	0.6	0.5							
5	8.8	3.2	0.4	0.6	3.2	18.5	5.2	7.0	53.0	19.6	1.7	0.5	8.5	1.2	0.5	0.5							
6	0.9	0.5	0.5	1.2	1.8	4.2	1.8	50.0	18.7	1.5	1.5	0.5	1.7	1.7	0.5	0.4							
7	0.7	7.0	1.0	0.5	34.0	4.6	3.3	6.0	19.2	1.4	1.4	0.6	0.9	0.9	0.4	0.5							
8	0.6	0.5	1.0	0.4	2.7	2.8	2.5	9.0	8.2	1.2	1.2	0.6	3.5	0.8	30.5	3.1							
9	0.5	0.8	0.7	10.5	4.8	2.0	2.5	9.0	2.1	1.1	1.1	0.6	0.6	1.1	0.5	1.1							
10	0.5	0.5	0.5	0.7	24.5	4.8	2.2	1.0	1.8	5.6	1.0	0.6	0.6	0.6	0.5	0.9							
11	0.5	0.5	12.0	2.0	2.7	2.1	2.1	0.5	1.5	4.3	1.1	2.5	0.6	0.8	0.7	0.4							
12	0.6	0.7	0.5	0.9	17.5	2.5	2.1	3.5	2.1	1.3	1.0	0.7	0.7	0.7	0.7	0.4							
13	0.7	9.0	1.4	4.0	0.9	1.0	4.6	21.0	4.8	8.0	1.4	2.0	3.8	0.9	0.5	0.4							
14	0.5	1.0	0.7	0.7	2.5	0.5	2.6	6.0	2.2	15.0	3.7	0.8	0.5	2.5	0.5	0.3							
15	0.9	0.5	0.5	0.6	19.5	4.6	31.5	4.7	29.0	6.2	13.0	7.7	0.8	17.5	1.6	0.3							
16	0.5	0.8	0.4	0.5	3.0	23.0	9.5	3.0	0.5	4.0	0.7	1.5	1.0	0.8	0.8	0.3							
17	0.5	0.4	12.5	1.2	11.0	3.4	20.0	11.2	2.1	2.0	3.6	0.7	65.0	7.4	0.8	0.3							
18	0.4	0.4	17.0	2.6	2.8	6.6	1.7	13.0	5.2	0.6	0.5	4.3	0.6	0.6	0.8	0.3							
19	0.4	0.4	1.3	19.0	3.1	4.8	0.5	1.9	3.2	0.6	1.6	1.6	0.5	0.5	0.8	0.3							
20	0.4	0.4	1.1	0.5	4.4	3.8	3.0	2.2	2.7	2.7	0.5	1.1	0.5	0.5	0.7	0.3							
21	0.3	0.4	0.9	2.7	3.2	1.5	19.0	5.2	0.8	0.8	0.8	0.8	0.4	12.5	2.4	0.3							
22	2.0	0.4	0.4	0.8	13.5	2.6	17.7	4.8	1.4	57.5	15.3	0.5	0.7	0.5	0.9	0.5							
23	29.0	3.4	0.4	0.8	20.0	7.4	1.1	3.6	1.5	18.0	15.3	0.7	0.6	0.6	0.8	0.3							
24	1.1	0.4	0.7	10.0	5.6	2.7	2.0	1.2	8.1	1.0	0.5	0.6	0.6	0.6	1.0	0.3							
25	0.8	0.4	5.0	1.0	2.0	3.9	2.4	1.1	5.8	0.4	22.5	3.0	35.0	3.5	0.8	0.3							
26	0.7	0.5	0.4	28.0	2.3	4.0	3.8	8.5	2.9	1.5	1.1	1.0	1.1	1.1	0.7	0.5							
27	0.6	3.0	0.6	1.0	2.9	2.8	2.3	3.0	1.6	3.8	0.4	3.5	0.9	0.7	0.5	0.3							
28	0.5	0.6	0.5	0.5	2.6	1.9	2.3	3.0	1.2	3.3	0.6	0.5	0.9	0.6	0.5	0.3							
29	0.5	0.5	9.0	1.2	5.5	2.8	19.0	3.0	1.1	3.0	0.5	0.7	0.6	0.6	0.5	0.3							
30	0.5	0.5	27.0	1.3	16.0	3.8	3.5	3.7	1.0	0.5	0.5	0.7	6.5	0.8	0.5	0.3							
31	0.5	0.5	27.0	5.2	2.5	2.5	2.5	32.0	3.4	0.5	0.8	0.8	0.5	0.8	0.5	0.3							
total	67.4	24.5	20.5	15.4	1745.0	37.3	198.5	96.3	127.0	77.0	55.3	359.5	207.7	33.0	32.1	155.5	42.1	98.0	33.3	62.0	24.8	3.0	11.0

付表 - 1. 穴の宮流域の日降水量と日流出量(つづき)

ANANOMIYA

1996

unit: mm/day

annual precipitation: 1283.5

annual runoff:

501.6

day	January		February		March		April		May		June		July		August		September		October		November		December	
	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff
1	0.3	0.3	3.5	0.3	28.0	1.8		3.5		0.7		0.5	3.0	2.0		1.1	1.1	1.1	20.5	3.8	9.5	1.0		1.4
2	0.3	0.3	0.3	0.3	3.0	3.0		2.5	3.0	0.7		0.4		1.5		1.0	0.9	0.8		1.4	9.0	1.5		1.3
3		0.3	0.5	0.3	1.2	1.2		2.0	0.8	0.8		0.4		1.4		1.0	1.0	0.6			0.5	1.1		1.6
4	0.5	0.3	0.5	0.3	0.9	0.9		1.8	0.7	0.7		0.4		1.0		0.8	0.5	0.5	10.5	1.8		0.9		1.0
5	0.3	0.3	0.3	0.3	0.5	0.8		1.6	37.0	3.5		0.5		2.8		0.7	0.4	0.4		1.0		0.7		2.0
6	0.3	0.3		0.4	5.5	0.8		1.5	2.3	2.3		0.4	17.5	0.5		0.7	0.4	0.4		0.7	1.5	0.8		4.7
7	0.3	0.3	1.0	0.3	0.8	0.8		1.0	1.4	1.0		0.3		1.0		0.7	0.4	0.4		0.7		0.7		2.5
8	0.5	0.3	0.3	0.3	18.5	2.5		1.4		1.0	0.5	0.4	53.5	5.5		0.7	2.5	0.4	20.0	0.6	9.0	0.7		2.0
9	5.0	0.6	0.3	0.3	7.5	2.3		1.2	42.0	3.6	0.5	0.4	34.0	16.7		0.6	0.4	0.4		2.4	3.5	1.4		1.7
10	7.0	0.4	0.3	0.3	1.3	1.3		1.1		5.5	6.5	0.6	0.5	6.6		0.6	27.0	2.8		1.0		0.9		1.5
11	9.5	0.5	0.3	0.3	1.1	1.1		1.1		2.4	27.5	2.4		4.2		0.6		1.1		0.8		0.8		3.5
12	3.0	0.6		0.3	1.0	1.0		0.9	0.5	1.9		1.4		2.9		0.5		0.7	1.5	0.8	23.5	2.5		1.5
13		0.5	0.3	0.3	0.8	0.8		0.9	1.5	1.5		0.9		2.2		0.5		0.6	16.5	2.1		1.6		1.0
14		0.4		0.3		0.7		0.9		1.3		0.6		1.8		0.6	16.0	1.4	7.0	1.2	0.5	1.0		0.9
15	4.5	0.7	0.3	0.3	2.0	0.7		0.9	1.1	1.1		0.6		1.6		1.8	4.5	1.1	30.5	7.0		0.9		0.9
16	13.0	1.4	0.3	0.3	19.5	2.6		3.0	0.9	0.9		0.5		1.4		1.4	4.5	0.7	0.5	2.7		0.8		0.9
17		0.9	0.3	0.3	34.5	3.2		17.5	3.0	0.8		0.5		1.2		0.6	1.0	0.9		1.7		0.7		0.9
18		0.6	3.0	0.4	15.0	10.0		6.5	2.0	0.8	7.5	0.5		1.1		0.5	1.0	0.8		1.4	3.5	0.9		3.0
19		0.4	15.5	1.1		3.8		1.5	1.1	0.8	13.5	2.1		1.0		0.6		0.6		1.2		0.8		1.7
20	0.5	0.4	2.5	0.6		2.6		2.0	1.3	0.8	0.8	0.8	18.0	2.0		0.5		0.4		1.0		0.7		1.6
21		0.4		0.5		2.0		1.1		0.8	12.5	1.4	2.5	2.3		0.6	10.0	1.1	0.9			0.7		1.3
22		0.3	0.4	2.7	0.4	2.7		0.9	23.5	1.9	4.0	1.6		1.4		0.5	1.5	0.7	0.8			0.7		1.2
23	0.5	0.3	0.4	5.0	4.3	0.9		0.9	0.5	2.1	0.5	1.1	21.5	2.8		0.4	11.0	1.6	0.8			0.6		1.2
24		0.3	0.3	0.3	2.3	0.8		2.3	0.8	1.0		1.2	56.0	15.3		0.3	0.7	0.7	0.8			0.6		1.2
25		0.3	0.3	0.3	19.0	3.4		0.8		0.8	62.0	9.2		4.3		0.3		0.6		0.7		0.6		1.0
26		0.3	17.0	1.5		3.3		0.7	0.7	0.7	21.5	5.6		3.1		0.5	2.5	0.7	0.8			0.6		1.0
27		0.3	0.5			2.2		0.7	0.6	0.6	2.0	6.1		2.4	13.5	0.5	3.0	0.9	0.7		7.0	0.6		0.9
28		0.3		0.6		1.9		0.7	0.6	5.5	3.6		2.1	34.5	3.2		0.7	0.7	1.0	0.7	23.0	3.6		0.8
29		0.3		0.5		1.6		0.7	0.6	0.5	3.1		1.7	27.5	6.2		0.6	1.0	0.8			1.3		0.8
30		0.3			4.5	1.8		0.7	0.6	0.5	2.1		1.5	7.5	2.7		14.5	0.7	0.8		3.5	1.3		0.8
31	0.5	0.3			30.5	6.6			0.5				1.3	2.0	1.4					0.9				0.8
total	38.5	13.2	44.0	12.6	215.0	74.0	30.0	39.4	106.5	42.3	165.0	49.6	206.5	96.6	105.5	31.3	93.5	24.4	108.0	42.9	94.0	31.0	77.0	44.3

付表 - 1. 穴の宮流域の日降水量と日流出量(つづき)

ANANOMIYA

1997

unit: mm/day

annual precipitation: 1622.4

annual runoff:

862.4

day	January	February	March	April	May	June	July	August	September	October	November	December												
	rain	rain	rain	rain	rain	rain	rain	rain	rain	rain	rain	rain												
	runoff	runoff	runoff	runoff	runoff	runoff	runoff	runoff	runoff	runoff	runoff	runoff												
1	0.7	0.5	0.5	0.9	6.5	1.6	1.0	0.5	5.1	0.9	2.2	0.8												
2	0.7	0.5	3.0	0.8	1.3	1.0	2.0	0.5	4.2	0.9	2.1	0.6												
3	0.7	5.0	0.7	1.1	0.5	1.2	4.5	1.5	3.3	2.5	2.3	0.6												
4	0.8	1.5	0.7	0.4	6.5	1.7	1.0	3.1	0.8	2.1	0.6	0.5												
5	0.8	0.5	0.5	0.4	4.5	1.3	1.0	2.0	0.7	6.0	2.6	0.6												
6	16.0	2.0	0.6	0.4	39.5	7.3	0.8	50.5	11.3	0.5	2.1	0.6												
7	1.2	0.6	2.0	0.5	32.5	9.0	0.7	6.5	6.0	1.8	1.8	0.6												
8	1.0	0.5	0.5	0.5	9.5	1.5	1.0	2.5	1.4	1.6	0.6	12.5												
9	0.9	0.5	0.5	5.2	38.0	7.0	1.2	3.7	29.5	1.5	0.6	6.0												
10	0.9	0.5	0.4	3.6	0.4	3.6	2.2	3.2	3.4	1.4	0.6	2.2												
11	0.8	0.5	5.0	2.8	2.8	2.3	106.3	12.0	1.4	1.4	0.7	1.9												
12	0.8	2.5	0.6	0.5	2.3	1.8	30.6	17.1	2.9	1.3	0.6	1.8												
13	0.7	1.5	0.5	0.4	2.0	1.5	0.8	38.6	2.4	1.2	5.5	0.7												
14	0.7	0.4	0.4	1.7	26.0	2.6	0.8	15.0	2.3	1.1	0.5	0.8												
15	0.7	0.4	22.5	1.6	1.5	19.0	0.9	8.5	8.3	3.7	1.1	16.0												
16	0.6	16.0	1.1	1.8	9.5	5.0	1.2	6.4	5.5	29.5	1.0	0.9												
17	0.6	1.2	1.3	1.3	3.6	2.0	3.2	6.4	3.8	11.4	1.0	11.0												
18	0.6	0.7	0.9	1.2	2.6	1.5	5.4	5.8	3.2	16.0	0.9	19.0												
19	0.6	0.6	0.6	0.7	0.5	1.2	2.1	3.8	2.7	2.5	7.6	3.4												
20	0.6	1.0	0.5	0.7	1.1	3.5	1.8	3.2	2.4	5.0	0.9	1.0												
21	0.5	0.5	0.6	1.1	2.5	1.9	2.4	2.8	2.2	4.3	0.9	0.9												
22	0.6	0.5	16.5	1.4	1.5	2.0	2.5	2.5	2.0	4.0	0.9	14.5												
23	0.5	0.5	1.2	1.1	0.5	1.6	1.0	2.4	1.9	16.5	4.7	16.0												
24	0.6	0.5	0.5	0.9	1.5	2.5	3.0	0.5	1.7	2.5	5.2	0.8												
25	4.5	0.9	0.5	0.7	14.0	2.7	1.7	2.1	1.5	0.5	3.5	1.5												
26	0.8	3.5	0.7	0.8	1.7	1.5	2.1	1.4	1.5	0.5	1.0	1.1												
27	0.7	0.7	9.0	0.9	4.0	1.7	1.0	1.9	1.4	1.5	3.4	1.5												
28	0.6	0.6	0.5	1.0	4.5	1.3	4.0	2.2	1.4	6.0	0.8	52.5												
29	0.5	0.7	17.0	2.7	1.2	1.1	9.0	3.1	6.0	4.1	0.8	11.1												
30	2.5	0.5	0.7	1.2	16.5	2.6	60.5	10.8	1.3	3.1	0.5	4.1												
31	0.5	0.5	1.1	1.2	1.2	1.3	28.5	11.3	1.0	2.5	0.8	9.5												
total	25.0	23.1	31.0	16.6	84.5	24.5	126.5	68.7	175.5	72.9	137.5	53.2	352.4	167.7	122.5	101.8	288.0	162.9	10.0	39.9	210.5	62.7	59.0	68.4

付表 - 1. 穴の宮流域の日降水量と日流出量(つづき)

day	January		February		March		April		May		June		July		August		September		October		November		December	
	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff
1	1.3	1.7	1.7	2.3	1.8	2.2	3.6	3.1	5.7	10.4	36.5	n/a	n/a	3.2	1.5	1.2								
2	6.5	1.9	1.6	1.9	6.2	2.2	3.1	2.9	4.5	36.5	13.5	16.0	n/a	2.7	1.1	1.1								
3	1.3	1.6	1.6	1.7	4.9	9.0	2.9	5.1	3.9	2.0	7.1	0.5	9.1	2.7	1.0	1.0								
4	12.5	1.6	1.5	1.6	3.5	29.5	7.4	1.0	3.4	4.7	4.7	6.7	2.7	3.0	1.2									
5	7.5	2.8	1.4	1.5	2.9	3.4	3.6	3.0	2.9	3.7	3.1	5.1	2.6	10.5	1.3									
6	1.8	1.4	1.4	19.5	3.6	0.5	2.8	0.5	2.6	3.1	4.9	2.3	2.3	2.3	3.8									
7	1.8	1.4	1.4	2.2	32.0	6.8	0.5	2.5	2.0	10.5	2.5	4.8	4.8	2.4	1.0	1.5								
8	1.8	4.0	1.6	1.8	4.9	1.0	2.4	2.5	1.8	11.0	5.0	5.5	3.6	2.4	7.0	2.0								
9	18.0	3.7	2.0	1.7	1.7	6.5	3.9	12.0	3.8	2.2	2.5	2.5	2.5	2.2	2.2	1.6								
10	2.4	13.5	2.4	1.5	25.5	8.1	0.5	2.4	12.5	3.3	1.5	1.7	2.2	2.1	1.4	1.4								
11	2.1	0.5	2.4	1.4	5.1	2.0	2.0	2.6	17.0	3.6	2.0	2.1	2.0	2.0	1.3	1.3								
12	10.0	2.4	2.2	2.6	4.0	54.5	10.4	2.1	2.5	2.5	1.8	2.0	3.5	0.5	1.9	1.3								
13	8.5	3.9	2.2	2.0	2.6	14.0	3.9	9.4	1.9	1.7	1.8	1.8	1.8	1.8	0.5	1.2								
14	2.5	2.2	2.2	1.8	27.0	7.1	0.5	7.1	15.0	3.4	2.0	1.6	1.7	1.7	1.8	1.2								
15	21.0	3.1	11.2	2.6	5.5	1.9	21.5	10.3	4.9	29.5	7.0	1.5	1.6	10.5	2.4	1.0	3.6	6.8	1.8	1.8	0.5	1.1		
16	25.5	10.0	1.8	2.8	0.5	1.7	7.7	4.0	3.9	4.0	4.0	1.8	16.5	3.2	78.5	13.9	33.0	6.8	1.8	1.8	0.5	1.1		
17	5.6	2.5	2.5	1.7	5.7	42.5	8.9	3.0	4.0	3.2	1.8	1.6	9.5	50.5	11.0	2.0	1.9	1.1	1.1	1.1	1.1	1.1		
18	15.0	5.1	2.5	1.5	0.5	5.0	8.0	7.3	2.4	5.0	2.7	1.6	5.3	26.0	22.0	0.5	1.7	1.0	1.0	1.0	1.0	1.0		
19	18.5	10.3	2.5	1.4	2.5	4.5	5.0	7.8	2.1	2.3	2.3	1.5	0.5	4.0	10.0	1.5	1.5	0.9	0.9	0.9	0.9	0.9		
20	3.8	2.6	2.6	2.0	0.5	3.7	5.1	10.2	5.1	51.5	10.2	2.3	15.5	2.0	0.5	3.1	7.2	1.5	0.9	0.9	0.9	0.9		
21	2.8	35.5	8.5	70.0	3.1	3.3	4.2	5.8	2.1	0.5	2.7	5.5	2.7	5.8	1.5	0.9	1.5	0.9	0.9	0.9	0.9	0.9		
22	2.7	4.8	4.8	1.7	3.0	3.5	62.0	15.3	3.5	62.0	15.3	2.0	1.3	51.5	11.1	15.5	7.3	1.5	0.8	0.8	0.8	0.8		
23	2.7	4.0	4.0	1.5	1.5	2.8	3.1	4.5	13.9	2.1	2.1	1.1	1.1	18.5	n/a	5.2	5.2	1.4	0.8	0.8	0.8	0.8		
24	2.6	3.5	3.5	1.3	25.5	5.5	1.0	2.8	6.0	9.1	13.0	2.5	1.0	21.0	n/a	7.0	7.0	1.4	0.8	0.8	0.8	0.8		
25	2.3	13.9	4.5	1.3	6.5	4.6	17.0	4.6	1.0	7.0	1.5	1.4	1.1	0.5	n/a	4.1	4.1	1.4	0.7	0.7	0.7	0.7		
26	2.2	1.6	3.7	1.2	0.5	4.3	0.5	3.3	0.5	5.7	0.8	0.8	10.5	1.8	25.0	10.6	4.0	1.4	0.7	0.7	0.7	0.7		
27	2.1	0.5	2.3	22.0	1.9	3.2	2.7	1.0	4.9	0.7	1.0	0.7	1.0	1.6	25.0	11.6	3.9	1.3	0.7	0.7	0.7	0.7		
28	2.0	1.9	1.9	14.0	5.3	2.8	2.2	4.3	120.0	23.0	2.5	1.6	28.5	20.7	5.5	4.4	3.5	1.5	0.7	0.7	0.7	0.7		
29	1.9				2.5	34.0	5.0	8.5	4.9	68.0	40.0	2.2	4.0	15.8	1.3	1.3	1.3	1.3	0.7	0.7	0.7	0.7		
30	1.8				2.2		2.3	18.5	7.3	3.6	14.0	12.2	20.0	3.9	0.5	11.2	1.2	1.2	0.7	0.7	0.7	0.7		
31	1.8				1.9		5.0		5.0	7.5	8.6	114.0	33.7	18.5	5.4	5.4	5.4	5.4	0.7	0.7	0.7	0.7		
total	137.0	94.1	84.5	74.0	107.0	62.5	207.5	136.8	252.5	142.5	220.0	147.7	263.0	141.5	213.0	106.2	318.0	n/a	236.5	n/a	6.5	56.9	37.5	35.4

n/a

annual runoff:

annual precipitation: 2083.0

n/a : data not available

unit: mm/day

1998

ANANOMIYA

付表 - 1 . 穴の宮流域の日降水量と日流出量(つづき)

ANANOMIYA

1999

unit: mm/day

annual runoff:

annual precipitation:

813.6

day	January		February		March		April		May		June		July		August		September		October		November		December	
	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff
1	0.5	0.7		1.1		1.9		0.7		0.7		1.0		26.4		1.5		0.6		2.1		29.5		2.7
2	0.7	0.6		0.9		1.3		0.7		0.7		0.9		11.6		1.3		2.5		1.5		4.5		4.3
3	0.7	1.0		0.8		3.0		1.4		0.7		0.8		12.5		1.2		0.5		6.5		4.5		1.6
4	0.8	0.5		0.7		1.0		1.0		1.0		0.8		14.0		1.1		4.5		2.4		1.3		1.3
5	0.8	1.0		0.8		75.0		12.9		0.8		0.8		8.2		1.0		0.5		1.6		1.2		1.2
6	0.8	0.5		0.8		1.5		0.9		4.5		0.7		15.0		1.0		0.5		1.5		1.1		0.7
7	0.7	0.5		0.7		11.5		2.0		3.0		31.5		6.8		0.9		0.5		15.0		1.1		1.1
8	2.0	0.7		0.5		70.0		1.4		1.1		2.2		5.5		0.8		20.0		8.0		1.0		0.7
9	0.7	0.5		0.8		0.8		1.2		1.8		1.2		4.8		0.7		16.5		1.9		1.0		0.7
10	3.0	0.8		0.6		3.0		0.7		1.6		0.9		4.1		0.7		1.8		1.6		0.9		0.8
11	3.0	0.9		2.2		0.7		44.0		7.3		1.5		3.7		3.5		2.0		1.5		0.8		0.7
12	3.0	0.9		18.9		2.2		5.0		1.3		0.7		3.6		4.0		1.5		1.4		4.5		1.1
13	0.7	0.9		0.9		3.0		0.6		1.2		0.7		9.0		4.3		0.5		1.3		11.5		2.5
14	0.7	0.7		0.7		0.6		1.9		1.0		1.0		14.5		5.7		16.0		0.5		1.3		1.3
15	0.7	1.8		0.6		0.5		1.8		1.0		0.9		10.0		5.3		12.0		1.2		30.5		1.2
16	1.0	0.7		0.6		13.0		1.5		1.8		3.5		3.6		7.5		3.0		8.0		1.0		0.6
17	0.5	0.6		0.6		0.6		0.7		1.8		0.5		3.0		15.5		7.5		1.4		0.5		1.9
18	0.6	0.5		0.5		0.5		1.7		1.5		1.6		2.8		1.3		5.5		1.1		1.5		0.6
19	0.6	0.5		0.5		0.5		0.7		1.5		1.2		2.7		1.1		0.5		4.3		1.4		0.6
20	14.5	1.9		0.5		16.0		2.0		4.0		1.7		30.5		1.5		1.1		3.5		1.3		0.5
21	0.5	0.9		0.4		23.0		4.1		1.5		1.1		3.0		11.5		1.2		3.2		1.1		0.6
22	0.7	0.4		0.4		23.0		5.0		1.2		0.9		3.0		21.0		4.4		0.5		1.1		0.6
23	0.7	0.4		0.4		2.1		1.1		0.8		1.2		6.0		2.7		34.5		1.0		1.0		0.6
24	0.6	0.5		0.5		2.1		4.5		1.3		0.8		2.1		1.8		12.0		0.9		5.0		0.6
25	4.0	0.8		13.0		1.3		3.5		1.8		22.5		1.8		0.5		7.0		6.8		11.0		2.3
26	3.5	0.9		0.6		0.6		1.6		1.1		1.3		1.6		0.9		4.5		0.8		1.3		0.6
27	0.7	23.0		2.3		7.0		2.0		1.0		14.0		5.0		2.5		0.9		0.8		1.1		0.5
28	0.6	1.6		2.5		1.7		1.0		14.0		30.5		21.5		4.0		3.0		19.0		0.9		0.5
29	0.5					1.2		0.9		1.8		6.9		4.8		2.6		2.6		1.1		0.9		0.5
30	0.5					1.1		0.8		1.4		152.0		2.1		0.7		2.3		0.9		0.8		0.5
31	0.5					14.0		1.8		1.1		1.7		1.7		0.6		1.0		1.0		0.8		0.5
total	35.5	23.0	60.6	20.6	177.5	43.0	90.0	53.7	164.0	63.9	372.0	150.9	137.5	164.6	100.0	41.8	269.5	136.3	76.0	49.8	97.0	45.8	2.0	20.2

1日のうち一部をバックアップ水位計の値より計算
1日のすべてをバックアップ水位計の値より計算

付表 - 1 . 穴の宮流域の日降水量と日流出量(つづき)

ANANOMIYA 2002 unit: mm/day annual precipitation: 1279.0 annual runoff: 506.1

day	January		February		March		April		May		June		July		August		September		October		November		December	
	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff
1	0.8	1.1	1.8	2.1	1.1	1.9	0.8	29.0	5.6	1.0	0.9	7.0	0.2	83.5	12.8	15.0	2.1	0.4						
2	0.5	0.8	1.7	1.0	1.1	1.1	0.7	6.0	2.4	0.8	0.9	2.4	0.2		5.0	0.5	1.2	0.4						
3	0.9	9.0	2.4	0.9	1.5	1.0	0.6	1.7	1.7	0.3	0.3	1.7	0.2		2.2	1.0	1.0	0.4						
4	3.5	1.2	1.8	1.3	2.0	1.0	0.5	1.3	30.5	2.6	2.6	1.3	0.2		1.5	0.8	0.8	28.0	3.0					
5	12.0	2.0	2.0	1.6	16.5	1.4	1.2	0.5	1.0	0.5	1.0	1.1	0.2		1.0	3.0	0.9	1.2						
6	5.5	1.5	1.0	1.7	27.5	8.0	0.4	0.9	0.9	0.7	46.5	4.0	0.5	13.5	1.0	0.5	0.7	0.8						
7	7.0	1.3	1.4	2.2	13.5	3.4	9.0	1.2	0.4	1.0	0.9	0.9	2.1	9.5	3.2	0.7	4.5	0.8						
8	5.5	1.7	1.4	1.7	0.5	1.6	4.0	1.7	0.4	0.9	0.9	1.0	0.9	1.0	1.3	0.8	9.5	0.9						
9	3.5	1.4	1.3	1.5	1.4	1.1	1.4	0.3	1.3	0.5	0.6	1.3	0.4		1.1	2.0	0.9	6.0	2.1					
10	7.0	1.4	1.3	1.4	1.2	22.0	2.1	0.3	19.5	2.9	0.5	0.3	0.3		0.9	0.8	0.5	1.1						
11	0.5	1.4	0.5	1.3	1.2	10.0	1.3	1.0	16.0	1.0	1.6	1.5	0.3		0.7	2.0	0.8	0.9						
12		1.2	6.5	1.5	1.1	9.5	3.1	1.9	1.5	1.4	2.2	1.5	0.3		0.6	1.0	0.8	0.8						
13		1.0	1.3	1.0	1.6	1.5	1.5	0.7	25.0	3.8	1.0	0.6	0.2		0.6	1.0	0.8	0.8						
14		1.0	1.2	0.5	1.0	1.4	1.2	0.7	2.7	2.7	0.6	0.2	0.2		0.5	1.0	0.7	0.7						
15	2.5	1.0	1.1	1.2	1.1	12.5	2.0	1.2	8.0	6.8	8.0	3.7	0.2	12.5	0.8	1.0	0.7	0.7						
16	10.0	1.8	1.1	1.3	7.0	1.8	9.5	2.8	0.5	1.2	40.0	5.5	0.5		1.9	0.5	0.3	0.7						
17		1.2	1.5	1.2	1.1	13.5	2.7	15.0	2.9	1.0	8.0	3.3	0.6		1.0	7.5	0.6	1.0						
18		1.0	1.1	1.0	1.0	2.0	17.0	5.1	15.5	2.5	0.5	2.4	0.4		3.0	0.8	0.4	0.6						
19		0.9	0.5	1.1	1.0	1.6	1.5	3.1	1.1	8.0	2.8	4.5	0.4		4.5	1.3	0.2	1.5						
20		0.9	1.0	0.9	1.4	1.4	2.3	10.0	1.6	2.3	0.6	1.9	0.2	28.0	2.0	0.6	0.6	0.6						
21	48.5	7.3	1.0	0.5	0.9	19.0	2.8	1.9	0.5	1.3	1.9	1.9	0.2	27.0	6.1	0.5	0.5	33.0	3.7					
22		3.9	0.5	1.0	0.5	0.9	2.2	1.6	0.8	1.6	0.4	0.4	0.2		2.3	0.5	0.5	2.5						
23		2.7	0.9	0.8	1.7	1.7	1.5	0.7	1.5	0.4	0.4	0.4	0.2		0.5	1.5	0.5	1.6						
24		2.2	0.9	0.5	0.8	1.5	1.3	1.0	0.7	1.5	1.5	1.5	0.2		0.5	1.3	0.5	1.4						
25		1.9	0.9	0.9	0.8	1.4	1.4	1.0	9.0	1.2	1.5	1.5	0.2		1.0	10.5	1.1	0.5	1.2					
26	13.0	1.9	0.9	0.7	1.2	0.9	1.5	1.6	0.4	1.5	0.3	0.4	0.2		0.9	0.5	0.8	1.0						
27	17.0	5.6	0.9	24.0	2.9	1.2	2.5	1.1	1.2	1.2	1.2	1.2	0.2		0.5	0.8	0.5	1.5	1.0					
28	2.0	3.1	13.5	2.0	1.1	0.8	0.5	0.9	1.1	1.0	0.3	36.5	3.1		0.7	0.5	0.5	0.9						
29	0.5	2.6		34.0	2.3	1.1	0.8	4.5	1.0	1.0	0.3	0.7	0.4		0.7	0.4	0.4	0.8						
30	1.0	2.2		8.5	6.5	5.0	1.2	1.5	0.8	6.0	1.2	1.1	4.5	0.7	0.6	0.4	0.4	0.8						
31		2.0			2.7	2.5	1.0	1.1	1.1	1.1	0.2	0.2	0.7		0.7	0.7	0.7	0.8						
total	133.5	59.8	35.0	36.8	119.0	49.7	86.0	50.1	113.5	51.9	115.0	63.4	123.5	29.4	110.0	17.5	178.0	54.4	34.5	24.0	98.0	35.4		

付表 - 1 . 穴の宮流域の日降水量と日流出量 (つづき)

ANANOMIYA

2003

unit: mm/day

annual precipitation: 2034.5

annual runoff:

1238.2

day	January		February		March		April		May		June		July		August		September		October		November		December	
	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff
1	0.7	4.9	1.7	39.5	1.3	3.7	3.5	4.8	60.5	10.0	7.1	3.0	2.7	1.9	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	4.5
2	0.7	4.5	1.5	11.0	2.2	3.0	2.1	2.1	1.0	8.1	5.9	2.7	2.4	1.9	1.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	3.4
3	26.0	1.9	1.4	9.0	3.9	0.5	1.7	2.5	1.7	43.5	1.0	1.7	2.4	1.7	2.0	1.7	24.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8
4	2.6	1.3	1.3	3.0	8.5	1.7	2.3	1.6	1.6	10.7	3.9	2.2	2.2	1.6	1.6	1.6	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.3
5	1.4	1.2	1.2	2.5	33.5	7.0	2.1	1.5	4.0	6.0	0.5	2.0	2.0	2.0	2.0	2.0	0.5	2.0	2.0	2.0	2.0	2.0	2.0	2.0
6	2.0	1.2	1.1	8.0	2.5	3.8	2.0	1.3	12.0	7.3	3.5	1.9	1.5	1.7	1.5	1.7	7.5	2.0	2.0	2.0	2.0	2.0	2.0	2.5
7	1.1	1.0	1.0	17.0	4.5	2.9	4.0	2.1	5.0	5.2	7.0	3.1	1.8	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.4
8	1.0	22.5	1.3	3.1	31.0	6.8	53.0	11.2	3.1	4.0	4.7	10.0	4.9	1.8	1.8	1.4	1.4	1.2	1.2	1.2	1.2	1.2	2.2	
9	0.9	1.5	3.9	2.5	4.7	5.2	5.2	1.1	5.0	4.5	75.0	19.6	1.7	1.3	1.0	1.2	1.0	1.2	1.2	1.2	1.2	1.2	2.1	
10	0.8	0.5	1.8	2.2	3.6	3.8	3.8	1.0	5.0	4.0	7.6	14.5	3.0	1.2	1.2	1.2	14.5	2.1	2.1	2.1	2.1	2.1	2.0	
11	0.7	8.0	2.2	2.0	2.0	3.2	2.5	3.4	1.5	1.1	26.0	5.2	1.8	1.2	1.2	1.2	17.5	4.0	4.0	4.0	4.0	4.0	2.5	
12	0.7	1.9	1.9	1.9	11.5	3.2	3.0	2.5	1.1	19.7	16.5	6.8	1.5	1.2	1.2	1.2	2.4	2.4	2.4	2.4	2.4	2.4	5.4	
13	0.7	1.6	1.6	1.7	3.2	2.6	2.6	5.5	1.6	49.5	14.9	4.6	0.5	1.4	40.5	6.3	1.9	1.9	1.9	1.9	1.9	1.9	2.5	
14	0.7	1.5	1.5	1.7	2.6	10.5	3.0	6.5	1.6	14.5	20.1	63.5	14.2	1.2	23.5	4.4	1.6	1.6	1.6	1.6	1.6	1.6	2.2	
15	0.7	1.4	1.4	1.6	3.0	2.5	9.0	3.8	1.0	1.5	11.6	44.0	26.7	1.1	2.0	4.0	1.5	1.5	1.5	1.5	1.5	1.5	2.1	
16	0.7	15.0	2.8	13.0	2.4	2.2	1.5	3.1	9.5	1.8	8.7	2.5	12.7	1.1	2.4	2.4	1.1	1.1	1.1	1.1	1.1	1.1	2.0	
17	0.7	2.0	2.0	2.4	2.0	2.0	2.5	9.0	2.5	2.5	7.1	4.5	9.9	1.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.9	
18	3.0	0.8	1.6	1.7	1.9	2.3	2.3	16.0	2.8	5.9	4.0	8.3	1.0	1.0	1.7	1.7	1.0	1.0	1.0	1.0	1.0	1.0	1.8	
19	0.7	1.4	1.4	1.6	0.5	1.8	2.2	2.1	2.1	5.0	6.7	0.9	0.9	1.5	1.5	6.5	1.5	1.5	1.5	1.5	1.5	1.5	1.9	
20	0.5	0.7	1.3	1.5	20.0	3.0	11.0	2.5	1.6	2.5	4.6	5.8	42.0	4.1	1.4	26.5	3.1	3.1	3.1	3.1	3.1	3.1	2.3	
21	0.6	1.1	1.1	1.4	7.0	3.1	2.6	1.3	24.0	7.8	5.1	13.0	4.9	7.5	1.6	72.0	5.9	5.9	5.9	5.9	5.9	5.9	2.3	
22	18.5	0.6	8.5	1.4	1.3	2.1	1.9	0.5	1.1	4.7	4.6	2.0	25.5	5.0	2.0	25.5	3.0	3.0	3.0	3.0	3.0	3.0	2.2	
23	2.2	1.5	1.8	1.3	17.0	2.4	1.7	1.1	69.5	12.8	4.1	1.4	1.4	2.4	2.4	2.4	2.5	2.5	2.5	2.5	2.5	2.5	2.6	
24	1.1	11.0	2.5	6.0	1.4	37.0	12.0	1.6	38.5	5.0	5.5	16.4	3.6	36.5	5.3	1.9	1.0	2.2	2.2	2.2	2.2	2.2	2.3	
25	0.8	1.7	21.0	4.2	20.0	8.7	1.6	46.5	14.8	9.2	3.4	60.5	16.5	1.7	37.5	7.4	7.4	7.4	7.4	7.4	7.4	7.4	2.1	
26	0.8	1.5	1.5	2.2	9.0	8.2	1.0	1.6	5.5	7.1	44.0	6.3	0.5	7.2	1.5	1.5	3.7	3.7	3.7	3.7	3.7	3.7	1.9	
27	52.0	7.4	1.4	2.5	1.9	5.6	0.5	1.7	6.5	3.8	5.9	9.5	9.1	4.4	1.3	3.2	0.5	0.5	0.5	0.5	0.5	0.5	1.8	
28	1.5	4.6	1.2	1.8	4.6	1.5	12.0	3.5	4.0	5.1	4.2	4.0	5.1	3.3	1.2	2.0	2.7	2.7	2.7	2.7	2.7	2.7	1.6	
29	2.9	2.9	1.5	1.5	4.0	1.0	1.3	3.5	2.5	5.3	4.2	2.6	2.6	1.2	43.0	4.9	0.5	0.5	0.5	0.5	0.5	0.5	1.6	
30	3.5	2.4	1.4	9.0	4.7	1.3	2.5	48.5	14.8	1.4	3.6	2.2	2.2	1.1	19.5	12.8	1.6	1.6	1.6	1.6	1.6	1.6	1.6	
31	1.0	2.1	1.4	40.5	3.7	8.6	0.5	3.3	8.6	0.5	3.3	3.3	3.3	1.1	61.9	84.3	48.0	48.0	48.0	48.0	48.0	48.0	1.6	
total	108.0	44.9	68.5	46.5	117.3	135.0	86.8	159.0	78.2	414.5	269.6	286.5	217.0	167.5	87.4	100.5	61.9	214.5	84.3	48.0	48.0	48.0	72.4	

付表 - 1 . 穴の宮流域の日降水量と日流出量(つづき)

ANANOMIYA 2004

unit: mm/day

annual precipitation: 1991.0

annual runoff:

1149.4

day	January		February		March		April		May		June		July		August		September		October		November		December	
	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff
1	1.6	0.8	1.0	1.3	1.0	2.0	2.0	1.0	1.0	2.8	2.0	2.0	3.3	2.0	0.6	4.5	0.5	8.1	1.5	6.2	14.5	14.2	2.1	2.1
2	1.5	7.0	1.3	1.0	1.0	2.8	2.8	0.9	0.9	2.2	2.0	2.2	2.5	2.0	0.4	63.0	10.8	6.2	10.3	10.3	10.3	10.3	2.0	2.0
3	1.4	1.0	1.0	1.0	1.5	1.8	1.8	1.5	1.5	1.9	1.9	1.9	1.9	1.9	0.3	2.3	2.3	6.5	10.5	6.5	6.5	9.3	1.9	1.9
4	1.4	0.9	0.9	0.9	8.0	2.1	30.5	3.8	1.7	1.7	1.7	1.7	1.7	1.7	0.3	19.0	2.8	2.0	5.2	8.7	8.7	43.5	4.8	4.8
5	1.4	0.8	0.8	0.8	1.6	1.6	2.2	2.2	1.6	1.6	1.6	1.6	6.5	3.5	0.3	37.0	8.8	11.4	43.0	6.7	6.7	52.0	19.8	19.8
6	1.4	1.5	0.8	3.0	1.4	1.4	1.5	15.5	2.2	2.2	2.2	1.6	2.0	0.3	0.5	4.8	6.8	6.8	6.8	6.7	6.7	6.7	6.8	6.8
7	1.4	2.0	0.8	0.8	1.3	1.3	1.3	1.2	7.5	3.5	3.5	1.4	1.4	101.5	11.2	1.0	2.9	5.0	5.0	5.7	5.7	5.7	5.2	5.2
8	0.5	1.3	0.5	0.8	0.7	2.0	1.3	1.0	4.0	2.4	2.4	1.2	1.2	3.1	11.0	3.5	3.5	68.5	11.6	4.8	4.8	4.8	4.2	4.2
9	1.3	0.7	0.7	0.7	1.0	14.5	1.8	1.9	1.9	1.9	1.9	1.1	1.1	1.3	2.0	116.0	71.4	4.0	4.0	4.0	4.0	4.0	3.6	3.6
10	1.3	0.7	0.7	0.7	1.0	48.0	8.5	1.7	8.0	1.6	1.6	1.6	1.6	0.8	1.6	2.0	10.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
11	1.3	0.7	0.7	0.7	0.9	0.9	0.9	4.8	25.5	3.8	2.5	1.4	1.4	0.7	0.5	1.4	1.4	7.1	20.5	4.6	4.6	4.6	3.2	3.2
12	1.3	0.7	0.7	0.7	0.6	0.6	3.2	2.9	2.9	2.9	2.9	1.1	1.1	0.5	1.2	0.5	6.2	17.0	6.7	6.7	6.7	3.0	3.1	
13	1.3	0.5	0.7	0.6	0.8	29.5	5.3	2.0	2.0	1.0	1.0	1.0	1.0	0.4	1.1	1.1	6.1	4.0	4.0	4.0	4.0	1.0	1.0	
14	1.0	1.1	2.5	0.7	0.6	6.0	1.2	2.0	4.9	1.6	1.6	0.9	0.9	0.4	1.1	1.1	6.1	3.5	3.5	3.5	3.5	1.0	2.6	
15	1.0	6.0	1.2	0.6	0.6	0.9	3.0	3.1	1.4	1.4	1.4	0.8	0.8	13.0	1.4	0.9	5.4	24.5	7.0	7.0	7.0	2.3	2.3	
16	1.0	0.8	0.8	0.8	0.8	51.0	12.3	1.2	1.2	1.2	1.2	0.7	0.7	0.5	0.8	0.8	4.9	4.9	4.9	4.9	4.9	4.7	2.2	2.2
17	4.0	1.3	0.7	0.6	0.7	7.7	7.7	1.2	1.2	1.2	1.2	1.5	1.5	27.0	2.0	0.5	0.9	4.6	4.6	4.6	4.6	4.5	2.1	2.1
18	3.0	1.2	0.7	1.5	0.7	0.7	5.3	5.3	1.1	1.1	1.1	6.5	6.5	1.7	1.7	0.9	4.2	12.0	5.0	5.0	5.0	2.1	2.1	
19	13.5	2.4	0.6	0.8	25.5	1.9	14.5	5.6	7.5	1.0	1.0	0.8	0.8	0.5	0.8	0.5	8.8	3.0	4.7	4.7	4.7	2.1	2.1	
20	1.3	0.6	0.6	0.7	2.3	34.0	7.6	1.0	1.9	1.9	1.9	0.6	0.6	0.6	0.6	0.6	117.5	48.8	3.6	3.6	3.6	0.5	2.1	
21	1.1	0.6	0.6	0.7	1.1	19.0	16.4	66.5	10.9	10.9	10.9	0.5	0.5	0.4	2.5	2.0	20.4	3.2	3.2	3.2	3.2	2.0	2.0	
22	1.1	21.0	1.0	18.5	2.0	0.9	1.0	8.3	4.6	4.6	4.6	0.5	0.5	0.4	0.5	2.3	11.3	3.0	3.0	3.0	3.0	1.9	1.9	
23	1.5	1.0	0.5	2.3	1.3	0.8	5.0	7.2	3.0	3.0	3.0	1.0	1.0	12.5	0.7	3.5	8.5	2.8	2.8	2.8	2.8	1.7	1.7	
24	1.0	0.9	0.5	1.0	0.7	5.8	5.8	2.4	2.4	2.4	2.4	0.5	0.5	2.0	1.4	22.0	3.2	7.2	7.2	7.2	7.2	1.4	1.4	
25	0.9	0.8	0.5	0.9	0.7	4.8	4.8	4.8	5.8	5.8	5.8	0.5	0.5	0.6	5.0	1.8	6.3	2.6	2.6	2.6	2.6	1.4	1.4	
26	0.9	0.7	2.0	1.0	1.0	1.0	4.1	2.5	4.3	4.3	4.3	0.4	0.4	0.5	10.0	2.5	9.5	6.7	1.0	2.5	1.0	1.4	1.4	
27	0.9	0.7	0.7	0.8	41.5	5.3	3.7	3.7	3.1	3.1	3.1	0.4	0.4	0.4	53.5	12.5	5.4	5.4	5.4	5.4	5.4	1.4	1.4	
28	0.9	0.7	0.7	0.7	2.0	3.2	3.2	2.9	2.9	2.9	2.9	0.3	0.3	0.3	3.0	5.7	4.7	4.7	4.7	4.7	4.7	2.3	1.4	
29	0.9	19.5	2.5	0.7	1.4	1.4	2.9	2.9	2.1	2.1	2.1	2.5	2.5	4.0	85.5	20.9	5.4	5.4	5.4	5.4	5.4	2.3	1.6	
30	0.8	46.0	4.2	1.2	1.2	2.5	31.5	6.0	6.0	6.0	6.0	0.5	0.5	3.5	4.5	17.6	51.0	10.5	2.2	2.2	2.2	1.4	1.4	
31	0.8	3.7	3.7	14.0	3.8	14.0	3.8	9.0	0.6	10.5	1.3	9.0	0.6	10.5	1.3	16.5	16.7	13.0	13.0	13.0	13.0	2.4	2.4	
total	23.5	37.5	61.0	26.2	82.5	33.3	42.1	288.5	145.4	84.7	96.5	84.7	38.0	32.4	182.5	34.5	349.5	119.4	481.5	347.9	92.5	149.1	119.0	96.9

付表 - 1 . 穴の宮流域の日降水量と日流出量 (つづき)

ANANOMIYA

2005

unit: mm/day

annual precipitation: 1200.5

annual runoff:

559.7

day	January		February		March		April		May		June		July		August		September		October		November		December	
	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff
1	1.7	1.1	1.5	1.8	1.8	2.8	1.7	1.7	1.8	2.8	1.7	1.7	1.7	1.7	1.0	1.0	1.3	2.0	2.1	0.6	0.7	1.0	0.5	
2	1.2	1.0	1.7	2.1	2.1	1.7	1.7	1.0	1.8	1.7	1.7	1.7	0.5	1.8	0.9	1.0	1.0	2.1	2.1	0.7	1.0	0.7	0.7	
3	1.2	1.0	1.7	2.1	2.1	1.7	1.7	1.0	1.8	1.7	1.7	1.7	0.5	1.8	0.9	1.0	1.0	2.1	2.1	0.7	1.0	0.7	0.7	
4	0.5	1.3	0.5	1.3	7.5	1.5	0.5	2.0	1.3	1.3	1.3	1.3	0.6	72.5	17.1	9.0	1.9	8.0	2.6	0.5	7.0	1.1	1.1	
5	1.2	1.7	1.7	0.9	1.9	1.5	1.9	1.5	1.5	1.5	1.5	1.5	0.6	8.0	10.7	73.0	15.9	6.5	2.9	0.4	1.5	1.3	1.3	
6	2.0	1.2	1.6	0.8	1.6	29.0	3.5	0.4	0.4	0.4	0.4	0.4	5.2	7.0	2.0	1.0	4.5	1.0	3.0	42.5	3.3	8.0	1.3	
7	1.2	1.7	1.7	0.8	4.0	1.8	19.5	5.1	0.5	0.5	0.5	0.5	3.1	3.1	1.1	25.5	8.5	7.5	3.2	1.5	2.4	0.7	0.7	
8	1.1	7.0	2.2	0.8	1.1	0.5	2.3	0.8	1.1	0.5	2.3	0.8	2.2	2.2	0.8	4.4	11.0	3.8	1.2	1.1	1.2	0.6	0.6	
9	1.0	0.5	1.5	0.8	1.0	1.8	1.8	1.0	1.8	1.8	1.8	0.6	10.5	2.6	0.7	3.0	0.5	1.2	1.1	1.1	1.1	0.5	0.5	
10	1.0	8.0	2.5	0.9	1.1	1.4	1.4	1.4	1.4	1.4	1.4	0.4	0.5	2.1	0.6	0.5	2.4	3.5	1.1	1.0	1.0	0.5	0.5	
11	1.0	1.8	1.8	14.5	2.2	5.5	1.4	1.3	8.0	0.8	1.3	8.0	0.8	1.6	0.5	2.0	0.9	0.9	4.0	3.0	4.0	0.9	0.5	
12	1.0	1.7	1.7	1.6	16.0	2.3	19.5	2.9	0.6	6.0	2.0	48.0	7.1	1.7	1.7	1.7	1.7	0.8	3.0	1.3	0.9	0.5	0.5	
13	1.0	1.6	1.6	1.3	2.5	2.1	1.9	0.4	1.4	0.4	1.4	1.4	1.4	1.4	2.4	1.6	0.6	0.6	0.9	2.0	0.6	0.6	0.6	
14	1.0	1.5	1.5	1.2	1.3	1.4	1.4	0.4	1.4	0.4	1.4	1.4	3.5	1.4	1.5	26.0	4.0	0.5	0.5	0.9	3.0	0.7	0.7	
15	11.0	1.3	1.5	1.4	1.1	1.3	6.0	0.7	1.1	1.1	1.3	6.0	0.7	1.1	1.3	1.3	2.5	25.0	2.0	2.0	0.9	1.0	0.6	
16	0.5	1.4	12.5	3.0	1.1	1.1	1.1	1.0	1.1	1.1	1.1	1.1	0.9	0.9	1.2	1.5	2.0	1.5	1.5	0.9	0.9	1.0	0.5	
17	1.2	1.5	1.5	1.7	1.0	1.7	1.0	1.0	1.1	1.1	1.1	1.1	0.9	0.9	1.2	1.6	1.6	17.0	2.2	1.0	1.0	0.5	0.5	
18	1.2	15.5	2.0	0.5	1.3	4.0	1.3	1.0	4.0	1.3	1.3	0.6	0.9	5.0	0.9	5.0	1.4	2.5	1.8	0.8	0.5	0.6	0.6	
19	1.1	16.5	4.4	0.9	0.9	1.5	1.3	0.9	1.5	1.3	0.5	0.8	0.8	12.5	2.0	1.4	1.4	1.2	1.2	0.8	0.5	0.7	0.7	
20	1.1	3.2	0.5	0.9	16.5	2.4	1.0	0.4	1.0	0.4	1.0	0.4	0.7	0.8	0.8	1.7	0.9	0.9	0.7	3.5	0.7	0.7	0.7	
21	1.1	2.5	1.0	0.5	2.1	1.0	1.0	0.4	1.0	0.4	1.0	0.4	0.7	10.0	1.2	1.7	0.8	0.8	0.7	6.0	0.7	0.7	0.7	
22	1.2	2.2	2.2	35.5	3.2	1.0	1.6	1.6	10.0	1.5	13.5	1.2	0.6	1.0	1.2	1.9	1.9	2.5	0.7	0.7	1.5	0.7	0.7	
23	1.2	2.0	11.0	4.5	1.5	2.0	1.3	13.0	1.7	1.7	1.7	0.7	0.7	14.5	2.2	1.8	2.5	0.8	0.6	7.0	0.8	0.8	0.8	
24	1.2	2.5	2.0	2.5	2.9	1.4	1.2	1.2	2.0	1.2	1.2	0.6	21.0	3.3	2.5	1.3	1.5	0.7	0.7	0.6	7.0	1.2	1.2	
25	1.2	1.7	0.5	2.3	1.4	1.1	1.1	0.5	1.1	1.1	0.5	1.0	1.5	1.0	0.5	1.4	1.4	0.6	0.6	0.6	2.5	0.9	0.9	
26	1.1	1.1	1.1	0.5	1.9	1.8	1.1	1.1	1.1	1.1	1.1	1.3	1.4	5.0	1.4	1.3	1.3	0.6	0.6	0.5	4.5	0.9	0.9	
27	1.1	1.0	1.0	1.7	1.7	1.7	1.7	0.4	1.0	0.4	1.0	0.4	0.9	1.1	1.1	1.5	1.3	7.0	1.1	0.5	2.0	1.0	1.0	
28	1.1	1.0	1.0	26.5	4.2	1.6	0.9	0.4	0.9	0.4	0.9	0.7	0.7	2.5	2.0	2.0	0.7	0.7	0.7	0.4	1.1	1.1	1.1	
29	2.0	1.2	1.2	2.6	0.5	1.7	0.9	11.5	0.9	11.5	0.9	0.7	0.7	1.9	0.8	1.9	8.0	1.1	0.5	0.5	1.1	1.1	1.1	
30	1.5	1.5	1.5	1.7	1.6	1.0	0.8	36.5	4.7	36.5	4.7	0.6	36.5	3.9	2.0	2.0	0.8	0.8	1.1	0.5	0.5	1.0	1.0	
31	1.4	1.6	1.6	0.5	0.7	0.5	0.7	16.5	1.7	16.5	1.7	1.7	1.7	1.7	2.2	2.2	2.2	0.6	0.6	0.6	1.0	1.0	1.0	
total	16.0	36.7	81.0	53.2	112.5	50.4	47.3	106.0	48.6	110.0	24.2	74.4	173.5	48.9	140.5	80.6	101.5	44.8	54.0	26.4	59.5	24.2	24.2	

付表 - 1 . 穴の宮流域の日降水量と日流出量(つづき)

ANANOMIYA 2006

unit: mm/day

n/a : data not available

annual precipitation: 1697.5

annual runoff:

n/a

day	January		February		March		April		May		June		July		August		September		October		November		December	
	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff
1	1.2	28.5	4.1	27.5	4.1	1.4	1.4	1.4	1.4	1.4	1.7	32.5	5.9	3.3	27.0	3.3	9.0	1.0	1.0	0.8	0.7	0.5	0.5	
2	3.0	1.1	1.4	4.4	3.4	6.0	1.7	1.8	3.5	2.7	1.8	3.5	2.7	3.1	1.1	13.5	2.2	2.2	1.1	0.7	0.7	0.5	0.5	
3	2.5	1.0	1.1	3.1	3.1	1.1	3.1	1.2	1.6	1.5	2.5	1.5	2.5	2.8	0.9	1.3	1.3	0.9	0.7	0.6	0.7	0.6	0.6	
4	0.5	0.8	1.2	2.6	2.0	1.2	1.2	1.2	1.6	2.3	1.6	2.3	1.6	2.4	2.4	1.5	1.1	0.7	1.5	1.1	0.6	0.5	0.5	
5	0.7	1.0	1.2	2.2	2.9	1.2	1.2	1.6	13.5	3.1	1.6	13.5	3.1	2.2	0.7	5.0	1.3	0.7	5.0	1.3	0.6	0.5	0.5	
6	1.0	4.5	0.9	14.0	3.4	2.0	0.5	1.6	1.4	5.5	1.4	5.5	3.6	2.0	20.5	1.8	22.5	3.8	22.5	3.8	0.7	0.5	0.5	
7	0.9	5.5	1.6	2.3	1.8	86.0	14.9	1.4	1.4	2.2	1.4	2.2	2.2	1.9	14.0	3.1	1.3	1.3	2.0	0.7	1.0	0.5	0.5	
8	0.9	1.0	0.7	1.9	1.0	1.7	0.5	6.9	4.5	1.3	1.8	1.8	1.8	1.9	1.9	1.3	1.1	1.1	0.7	2.5	0.8	0.8	0.8	
9	1.0	0.7	0.7	1.8	1.5	3.0	4.5	15.0	3.6	1.5	1.7	19.5	3.3	3.3	1.0	1.0	1.0	1.0	0.7	0.7	13.0	1.6	1.6	
10	1.0	1.1	0.7	4.0	1.9	6.0	1.6	10.0	3.9	1.6	1.6	1.6	1.6	1.8	9.0	1.5	1.0	1.0	0.6	0.6	1.0	1.0	1.0	
11	1.5	1.4	0.5	0.7	1.6	43.5	5.5	5.3	3.3	1.0	1.6	0.5	1.6	1.6	0.5	1.0	15.0	2.3	9.5	1.0	0.8	0.8	0.8	
12	1.4	0.7	2.5	1.7	2.5	5.5	3.3	3.3	1.4	3.0	1.7	52.5	7.1	7.5	1.1	1.3	1.3	1.3	0.8	1.0	0.7	0.7	0.7	
13	5.0	1.4	0.7	1.5	1.5	19.0	4.7	1.3	6.0	2.1	1.3	6.0	2.1	3.3	41.0	5.0	1.0	1.0	0.6	9.0	1.3	1.3	1.3	
14	34.0	4.5	1.5	0.8	1.4	2.8	3.8	1.2	1.2	1.7	1.2	1.7	1.7	2.2	17.5	7.0	0.9	0.9	3.0	0.7	5.5	0.8	0.8	
15	2.6	2.0	0.7	1.3	4.0	2.6	2.9	41.5	2.5	1.0	1.5	1.5	1.5	1.9	2.9	2.9	0.8	0.8	0.8	0.8	2.0	1.1	1.1	
16	0.5	2.2	7.0	1.1	29.5	3.9	3.0	2.6	2.0	2.7	53.5	17.7	29.0	5.4	1.6	0.5	2.1	0.8	0.8	0.6	0.6	0.8	0.8	
17	2.0	0.8	0.5	3.9	2.1	17.0	3.5	20.5	6.2	36.0	5.9	6.5	1.5	0.5	1.7	0.8	0.8	0.8	0.5	0.5	0.5	0.8	0.8	
18	2.0	0.8	6.0	3.1	1.9	5.0	4.0	12.0	7.5	51.0	14.2	4.2	51.0	29.0	1.7	20.0	4.1	0.8	0.6	0.6	0.6	0.7	0.7	
19	1.9	1.9	0.8	3.0	3.1	1.8	7.0	3.5	4.2	51.0	29.0	3.2	22.0	13.2	1.2	1.5	2.0	0.8	15.0	0.9	0.7	0.7	0.7	
20	1.7	19.0	2.1	2.2	26.0	5.1	4.6	3.7	2.7	34.5	20.0	1.5	1.3	1.3	1.3	1.3	0.7	0.7	17.0	3.7	0.7	0.7	0.7	
21	1.6	1.3	1.3	2.0	3.0	2.9	3.4	13.0	3.6	0.5	10.8	17.0	1.8	1.2	11.0	1.0	1.0	1.0	1.0	0.8	0.7	0.7	0.7	
22	1.5	0.5	1.0	7.5	2.3	2.3	3.4	35.0	3.0	15.5	8.6	1.5	1.5	1.0	13.5	1.8	1.8	1.8	0.7	0.7	0.7	0.7	0.7	
23	1.4	0.9	4.0	2.4	2.1	35.0	7.8	4.4	2.3	14.5	11.2	1.0	0.9	0.9	14.5	4.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	
24	1.2	0.9	1.6	1.6	1.8	1.8	4.4	3.4	0.5	2.3	0.5	7.2	0.8	0.8	0.8	1.3	1.3	1.3	0.6	0.6	0.6	0.7	0.7	
25	1.1	59.0	9.7	1.5	1.5	1.6	1.0	3.3	24.5	5.0	5.7	4.8	4.8	0.9	6.0	1.3	0.9	0.9	3.5	0.6	79.5	6.8	6.8	
26	1.1	4.7	1.5	0.5	1.6	1.6	2.9	2.9	2.9	4.8	4.8	0.9	0.9	0.9	6.0	1.3	0.9	0.9	8.5	n/a	4.0	12.0	12.0	
27	1.1	1.0	3.2	73.0	2.2	1.5	1.5	2.7	2.6	4.1	3.0	1.1	1.1	1.1	1.5	0.9	0.9	0.5	n/a	n/a	4.0	4.0	4.0	
28	1.1	1.4	1.4	1.9	1.9	1.5	2.4	2.4	2.1	1.0	4.0	0.9	0.9	0.7	0.5	0.9	0.9	n/a	n/a	n/a	2.8	2.8	2.8	
29	1.0	1.4	6.5	2.0	1.5	2.1	0.5	2.1	3.6	3.6	0.9	0.9	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	2.2	2.2	2.2	
30	2.5	1.9	1.5	1.5	1.8	1.8	1.8	1.8	3.4	3.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	1.9	1.9	
total	51.5	45.3	130.0	45.3	118.0	73.1	122.0	72.5	210.5	114.7	186.5	93.0	324.0	187.1	100.5	59.9	170.5	53.5	107.5	39.3	59.0	n/a	117.5	48.5

付表 - 1 . 穴の宮流域の日降水量と日流出量 (つづき)

ANANOMIYA

2007

unit: mm/day

n/a : data not available

annual precipitation: 1380.0

annual runoff:

n/a

day	January		February		March		April		May		June		July		August		September		October		November		December	
	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff
1	1.7	0.9	1.0	1.5	3.0	14.0	1.6	0.6	1.2	2.2	1.6	1.5	1.0	1.6	4.0	3.5	1.1	1.5	1.0	1.0	1.5	1.0	0.5	
2	1.5	0.9	1.1	1.0	1.7	2.5	1.2	0.7	1.8	0.5	2.0	1.3	0.5	1.3	3.5	1.1	1.1	1.0	1.0	1.0	1.0	1.0	0.9	
3	1.4	0.8	1.2	1.5	1.5	0.8	0.8	0.6	2.0	1.4	0.5	2.0	1.0	0.5	0.5	0.8	0.8	0.8	0.5	0.8	0.8	0.8	0.4	
4	0.5	1.3	0.8	1.2	1.0	1.5	0.8	0.6	9.5	1.4	1.5	1.9	0.8	0.8	0.7	0.7	0.9	0.5	0.5	0.5	0.5	n/a	n/a	
5	0.5	1.2	0.8	1.3	1.3	29.5	3.6	0.6	7.0	1.8	0.6	1.9	13.5	1.6	3.0	0.9	0.8	6.0	0.8	0.8	6.0	0.8	n/a	
6	26.0	4.1	1.3	0.9	1.2	1.3	29.5	3.6	1.1	1.5	1.7	1.5	1.5	1.5	1.5	1.5	1.5	2.5	1.3	1.3	2.5	1.3	n/a	
7	2.3	1.0	1.2	7.5	1.6	2.0	1.7	1.0	0.5	1.0	1.0	1.8	2.0	1.1	0.7	0.7	0.8	0.8	0.5	0.5	0.8	0.5	n/a	
8	8.0	2.0	0.9	1.1	1.6	1.0	37.0	3.0	1.0	1.0	1.0	1.0	1.0	1.8	0.7	12.0	1.6	0.7	0.7	0.7	0.7	0.7	n/a	
9	4.5	1.5	2.5	1.0	1.3	0.8	20.5	4.1	0.8	20.5	4.1	0.8	20.5	4.1	0.8	20.5	4.1	0.8	20.5	4.1	0.8	20.5	4.1	
10	7.5	1.4	0.5	0.9	1.5	1.0	1.2	14.0	2.0	18.0	4.1	36.0	3.8	1.0	1.4	3.5	0.8	1.0	1.5	0.7	1.5	0.7	n/a	
11	1.3	0.9	0.9	22.0	3.6	1.1	1.2	1.9	3.0	3.4	1.2	44.0	3.6	1.0	1.2	44.0	3.6	1.0	1.0	1.6	1.0	1.6	2.0	
12	1.3	0.9	0.9	1.5	1.2	1.0	0.9	2.4	49.0	11.4	1.0	38.5	12.7	0.7	0.7	38.5	12.7	0.7	0.7	1.0	1.0	1.0	n/a	
13	1.2	0.9	1.0	3.0	1.0	0.8	0.8	3.0	11.0	7.9	1.0	0.5	3.0	0.6	1.0	0.5	3.0	0.6	1.0	1.0	1.0	9.5	n/a	
14	1.2	16.5	2.0	1.0	1.2	0.7	0.7	8.5	3.8	87.0	28.1	1.0	1.0	2.0	1.0	1.0	2.0	0.6	0.6	0.9	0.9	0.9	n/a	
15	1.2	2.0	1.3	1.0	0.9	0.7	1.0	2.7	39.5	34.8	1.0	1.0	1.6	0.6	0.6	1.6	0.6	0.6	0.8	0.8	0.8	0.5	n/a	
16	1.5	1.3	0.5	0.9	1.0	1.0	1.0	0.9	0.5	11.2	0.9	12.0	2.8	0.7	0.9	12.0	2.8	0.7	0.7	0.7	0.7	0.7	n/a	
17	3.5	1.8	13.5	1.1	1.0	22.5	2.3	0.8	26.5	12.7	0.8	1.0	1.7	0.8	1.0	1.7	0.8	1.0	1.7	0.8	1.0	1.7	n/a	
18	1.3	19.5	4.8	0.9	7.0	1.1	1.0	13.0	2.1	2.0	7.7	0.7	0.7	0.7	1.4	0.7	1.4	0.7	0.6	0.6	0.7	0.7	n/a	
19	1.2	1.9	0.9	1.0	1.5	1.0	0.8	1.1	6.2	6.2	0.7	6.2	0.7	0.7	1.0	29.0	2.7	1.0	29.0	2.7	1.0	29.0	n/a	
20	1.3	1.5	0.9	0.9	1.2	0.7	0.7	0.8	5.5	5.3	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.5	n/a	
21	1.0	1.3	0.9	1.2	1.2	0.8	0.8	0.8	16.0	8.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.6	n/a	
22	1.3	1.2	0.9	12.0	1.2	0.8	23.0	2.6	5.2	5.2	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.6	n/a	
23	1.2	8.5	1.7	0.8	2.0	0.7	0.7	1.6	4.3	30.5	4.2	0.8	0.8	0.7	0.8	0.8	0.8	0.7	0.8	0.7	0.8	0.6	n/a	
24	1.2	1.2	31.0	2.8	1.0	0.7	51.5	6.7	3.8	1.0	1.2	1.0	1.0	1.2	1.0	1.0	1.0	0.8	0.6	0.6	0.6	0.6	n/a	
25	1.2	1.1	21.5	6.7	0.9	46.5	4.8	6.0	7.1	3.5	3.5	3.5	3.5	0.9	1.0	0.9	1.0	0.9	0.9	0.9	0.6	0.6	n/a	
26	3.5	1.3	1.2	2.8	0.5	0.8	2.0	0.5	3.6	1.5	3.4	0.7	0.7	0.9	18.0	2.0	0.7	0.9	18.0	2.0	0.7	0.6	n/a	
27	1.2	11.0	1.4	2.2	0.7	0.8	0.8	2.5	3.0	3.0	0.7	0.7	0.6	0.6	24.0	3.6	0.6	0.6	24.0	3.6	0.6	0.6	n/a	
28	1.0	1.6	1.9	0.8	0.5	0.7	1.9	1.9	2.7	2.7	0.6	0.6	0.6	1.7	0.6	1.7	0.6	0.6	1.7	0.6	1.7	0.6	n/a	
29	0.9	7.0	1.7	0.7	0.7	9.5	2.2	2.4	3.5	10.5	1.0	1.0	1.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.6	n/a	
30	0.9	7.0	2.2	0.7	4.5	0.9	1.6	1.6	18.5	16.0	2.3	2.0	2.0	2.0	2.0	2.0	2.3	2.0	2.0	2.0	2.0	0.6	n/a	
31	0.9	13.0	1.6	0.7	0.7	4.1	4.1	2.5	2.0	4.1	4.1	2.5	2.0	4.1	4.1	2.5	2.0	4.1	4.1	2.5	2.0	4.1	n/a	
total	50.5	44.0	74.5	35.8	113.0	49.1	38.0	37.2	138.0	37.7	189.5	65.4	188.1	87.5	45.6	146.5	51.4	107.5	34.3	22.5	23.2	96.0	n/a	

付表 - 1 . 穴の宮流域の日降水量と日流出量(つづき)

day	January		February		March		April		May		June		July		August		September		October		November		December	
	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff
1		1.2		0.5		1.1		1.7		3.1	0.5	3.6	1.0	5.8	0.9	4.0	5.9	4.0	8.0	3.8	1.0		0.8	
2		1.1		0.5		0.9	1.4	0.5	2.6	11.0	3.4	5.3	4.9	5.3	0.7	1.5	4.6	1.5	4.6	2.5	0.9		0.8	
3	0.5	1.0	15.0	1.6		0.8	1.2	0.8	2.0	28.5	9.4	4.9	6.1	4.9	0.7	6.0	4.6	6.0	4.9	2.1	0.7		0.8	
4		0.8	0.5	0.9		0.8	1.1		1.9		5.3	4.2		4.2	0.6	0.5	3.4	0.5	2.2	2.2	0.9		0.7	
5		0.8		0.8		0.8	1.0	20.5	3.5	14.5	5.6	3.6		3.6	0.5	2.9	2.9	7.0	2.7			0.7		
6		0.7		0.8		0.8	1.0	0.8	2.3	4.9	1.0	3.5	45.0	3.5	45.0	5.3	2.5	4.0	2.6	1.0	0.8	0.5	1.4	
7	0.5	0.7		0.8	0.5	0.8	39.0	3.6	1.7		3.7	3.1		3.1	1.7	1.0	2.3	1.7	5.0	1.3	5.0	1.3	1.3	
8		0.7		0.7		0.9	30.0	12.1	1.6	1.6	3.3	11.0	4.0	2.0	1.1	2.0	2.0	1.5	1.6	0.5	0.9	1.2	1.2	
9		0.7	0.5	0.9		1.0	0.5	4.6	1.6		3.0	2.9		2.9	1.0	1.8	1.8	1.4	1.4	0.9	0.9	5.0	1.4	
10		0.6	19.0	1.8	9.0	1.6	32.0	7.1	29.5	4.6	2.7	2.6		2.6	0.8	1.7	1.7	3.5	1.3			0.8	1.1	
11	8.0	0.8	0.5	1.2		0.7	1.5	6.3	4.0	3.6	2.5	2.3		2.3	0.7	1.7	1.7	1.7	3.5	1.6	0.7		0.9	
12	7.0	1.8	6.5	2.1		0.6	4.1		2.6	11.5	3.6	2.1		2.1	0.9	1.5	1.5	1.1	1.1	1.1		0.7	0.8	
13		n/a		1.5		0.5	7.5	3.8	0.5	2.2	2.3	1.9		1.9	0.8	1.5	1.5	1.2	1.2	1.2		0.7	0.8	
14		n/a		1.3	27.5	2.6	10.0	5.3	21.5	4.8	2.1	1.8	4.5	1.8	4.5	1.1	1.3	22.0	3.2	0.7	0.7	2.5	1.0	
15		n/a		1.2		1.6		3.0	2.6	2.0	2.0	1.8		1.8	1.1	6.0	1.5	1.7	1.7	1.7		0.7	0.9	
16		n/a		1.1		1.1		2.5	2.2	2.2	2.0	1.8		1.8	0.9	5.5	2.4	1.4	1.4	1.4	9.0	1.5	0.9	
17		0.7	1.0	0.9	21.5	3.6	1.9	1.9	1.8	1.8	1.8	0.5	1.7	1.7	0.9	0.5	1.6	1.5	1.5	1.5	0.9	0.5	0.9	
18		0.6		0.8		0.9	19.5	7.7	1.7	1.7	1.7	1.7	4.0	2.1	0.8	10.0	2.5	1.3	1.3	0.7		0.8	0.8	
19		0.6		0.7	16.0	1.9	4.0	18.5	2.5	5.0	1.8	1.7	4.0	2.1	24.0	2.5	22.5	3.8	1.2	1.2		0.7	0.8	
20		0.6		0.7	45.0	11.8	1.5	3.1	40.0	14.3	38.0	4.7		1.5	1.8	1.8	2.5	3.8	1.1	1.1		0.7	0.7	
21	1.0	0.6		0.7		4.7		3.1	5.4	20.0	7.3	1.5		1.5	1.0	37.5	5.9	1.1	1.1	1.5	0.7	0.5	0.7	
22		0.7		0.7		2.8	2.7		3.5	30.5	8.8	1.5		1.5	0.6	2.0	5.2	1.0	1.0	1.5	0.7	1.5	0.8	
23	12.0	1.5		0.7	1.5	2.2	0.5	2.6		2.5	10.0	9.0		1.5	10.5	0.8	2.8	2.5	1.2			0.7	0.7	
24		0.9		0.7	17.5	3.9	39.5	7.8	24.5	3.5	5.5	5.5	1.4	1.4	80.5	14.9	2.1	26.0	3.7	9.0	1.0	0.8	0.8	
25		0.7		0.7		2.3	4.6	24.5	9.6	4.3	4.3	4.3		1.1	5.5	3.5	1.9	1.9	1.7	0.5	1.2	0.5	0.8	
26		0.6	22.0	2.1		1.9	11.5	5.1	4.5	4.5	3.5	3.5		0.9	2.0	11.5	3.0	2.5	1.6	1.6		0.8	0.8	
27		0.6		1.7		1.8		3.8		3.4	0.5	3.0	0.8		1.6		2.0	1.3	1.3	6.0	0.8		0.8	
28		0.6		1.1		1.6		3.3	1.5	3.2	1.0	2.6	27.5	3.9	25.0	3.4	0.5	1.9	1.2	1.2	16.0	3.1	0.8	
29	4.5	0.7		1.2		1.3		3.2	38.5	9.4	106.0	27.2		1.5	123.5	48.1	22.0	3.6		1.1	0.5	0.9	0.9	
30		0.7				7.5	1.5		4.7	3.0	8.3			1.1	27.5	15.7	6.0	3.8		1.0	0.9		0.9	
31		0.6				11.5	2.9		6.0	4.5		1.0		1.0		8.5			1.0				0.9	
total	33.5	n/a	64.0	30.5	136.0	59.0	214.5	117.7	230.0	117.5	280.0	148.9	45.0	74.8	348.0	124.9	137.0	84.2	77.0	53.1	49.0	28.1	36.0	29.9

ANANOMIYA 2008 unit: mm/day n/a: data not available annual precipitation: 1650.0 annual runoff: n/a

付表 - 1 . 穴の宮流域の日降水量と日流出量 (つづき)

day	January		February		March		April		May		June		July		August		September		October		November		December	
	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff
1	0.9	3.0	1.3	1.5	1.4	1.4	0.5	1.5	21.0	4.6	89.5	30.5	1.4	1.4	0.8	18.0	2.0	1.1	1.1					
2	0.9	2.1	1.3	1.4	1.2	1.2	1.3	4.5	6.2	18.5	25.1	1.3	1.3	24.0	2.5	0.5	1.1	1.1						
3	0.9	1.7	9.0	1.8	1.3	1.2	1.3	5.5	4.0	9.4	1.3	3.0	1.3	3.0	1.3	0.8	1.0	1.1						
4	0.9	1.4	0.5	1.7	1.4	1.4	1.4	0.5	3.3	8.5	1.3	1.3	1.3	0.6	0.7	1.1	1.1							
5	0.9	1.3	1.3	1.6	26.0	3.2	24.5	3.9	2.4	7.5	1.1	3.5	1.1	0.7	13.5	2.2	2.2							
6	0.9	1.1	36.0	1.4	34.0	7.7	0.5	2.1	23.0	5.2	1.0	9.0	1.3	0.7	1.5	1.5	1.5							
7	0.8	1.1	3.1	1.4	71.5	17.3	1.6	4.0	3.4	3.5	6.1	0.9	57.5	5.2	0.6	1.3	1.3							
8	0.5	0.6	1.0	2.5	1.4	2.5	14.0	1.3	13.5	4.0	5.1	0.8	53.0	21.3	0.6	1.2	1.2							
9	6.0	0.9	1.0	2.1	7.0	7.0	1.2	0.5	3.4	2.5	4.9	0.7	2.8	2.8	0.6	1.2	1.2							
10	7.5	0.7	0.5	1.0	1.8	1.2	4.9	22.0	1.9	0.5	2.9	29.5	9.6	0.7	2.0	13.5	1.1	0.5	1.2					
11	0.6	5.0	1.0	1.5	3.9	7.6	2.4	2.4	2.4	5.0	2.8	2.8	0.6	1.6	60.0	10.4	34.0	5.3	5.3					
12	0.6	1.3	1.5	1.1	2.0	3.3	2.6	2.1	2.1	4.2	25.5	2.9	1.3	1.3	2.8	2.7	2.7							
13	0.6	2.0	0.9	2.6	0.9	5.0	2.0	4.5	2.2	3.9	1.5	1.5	1.5	1.2	1.9	1.9	2.1	2.1						
14	0.6	16.0	2.6	7.8	56.5	6.7	2.7	1.6	1.9	3.5	3.5	1.0	1.0	1.2	32.0	6.8	1.9	1.9						
15	0.6	1.1	3.5	1.0	4.6	2.3	1.6	1.6	1.6	3.1	1.5	1.0	1.1	1.1	3.1	3.1	1.8	1.8						
16	0.6	0.5	1.0	2.8	12.0	3.0	13.5	2.0	1.5	2.8	2.8	0.9	0.9	1.0	2.3	2.3	1.7	1.7						
17	0.5	1.0	2.6	4.0	30.0	7.3	1.6	49.5	6.0	2.5	2.5	0.7	2.5	1.3	13.0	3.1	1.7	1.7						
18	10.0	0.6	1.0	2.2	4.7	4.7	1.2	1.5	5.1	2.3	2.3	0.7	0.7	1.1	2.4	1.6	1.6	1.6						
19	5.5	1.7	1.0	1.8	1.5	3.6	1.0	2.0	3.0	2.1	2.1	0.6	0.6	0.8	2.0	2.0	1.8	1.8						
20	0.8	20.5	3.1	1.5	1.5	3.1	0.5	1.0	2.6	1.9	1.9	0.5	0.5	0.8	1.9	1.5	1.6	1.6						
21	7.5	0.9	1.4	2.2	2.8	2.2	2.8	13.5	2.2	4.5	2.7	2.0	1.9	0.7	1.7	1.7	1.4	1.4						
22	6.0	1.3	2.0	1.3	30.0	6.8	1.6	1.0	2.9	26.5	4.8	4.5	2.9	3.5	2.3	0.5	0.5	1.3	1.3					
23	4.5	1.8	13.5	2.8	4.6	4.6	2.5	2.9	0.5	2.0	1.8	1.8	0.5	0.5	1.9	1.9	1.2	1.2						
24	1.0	2.5	1.7	0.5	2.2	1.4	1.0	1.0	2.1	16.0	3.8	0.5	1.8	1.7	0.5	0.5	0.5	1.1	1.1					
25	0.8	20.0	4.0	0.5	1.8	36.5	5.5	1.7	1.7	1.6	2.0	1.6	0.4	0.8	6.5	3.1	1.0	1.0						
26	0.7	2.2	1.8	0.5	2.7	1.5	1.4	56.5	10.4	1.4	1.4	1.4	0.5	11.5	1.6	1.7	1.0	1.0						
27	0.7	1.5	1.9	2.0	1.5	2.0	1.5	1.3	21.0	10.9	1.5	1.5	0.5	0.9	1.5	1.5	0.9	0.9						
28	0.6	1.4	1.8	1.7	8.0	1.6	1.0	1.2	18.5	10.1	1.4	1.4	6.0	0.7	1.5	1.5	1.6	1.6						
29	26.0	1.3	1.7	1.6	1.5	2.0	35.0	3.1	22.5	11.4	2.5	1.6	1.1	0.8	0.5	1.2	1.0	1.0						
30	35.0	9.8	1.5	1.5	1.5	7.5	20.5	7.5	8.0	9.3	1.8	1.8	10.0	1.5	1.2	3.0	1.1	1.1						
31	102.5	35.1	83.5	45.0	132.0	79.8	117.0	60.8	209.5	119.7	138.9	151.5	163.0	44.5	27.6	164.0	58.8	158.0	62.6	66.5	48.2	48.2		
total																								

908.7

annual runoff:

annual precipitation: 1717.0

unit: mm/day

2009

ANANOMIYA

付表 - 1 . 穴の宮流域の日降水量と日流出量(つづき)

ANANOMIYA		2010		unit: mm/day		n/a : data not available		annual precipitation: 2001.0		annual runoff:		n/a			
day	January rain runoff	February rain runoff	March rain runoff	April rain runoff	May rain runoff	June rain runoff	July rain runoff	August rain runoff	September rain runoff	October rain runoff	November rain runoff	December rain runoff			
1	0.5	1.2	n/a	4.0	3.7	3.4	2.5	3.5	4.3	0.5	0.8	2.4	12.0	10.4	
2	5.5	1.5	n/a	20.0	6.5	3.2	2.3	8.7	3.4		0.8	2.0		4.5	
3	4.0	1.3	0.5	n/a	3.9	2.9	2.1	27.5	7.5		0.7	4.0		3.3	
4	1.1	1.0	1.0	75.5	n/a	3.5	2.8	12.2	2.7		0.7	8.5		2.7	
5	0.5	1.1	1.0	3.5	n/a	2.6	1.8	7.1	2.5		0.7	1.9		2.3	
6	1.0	0.5	0.9	78.0	n/a	3.1	1.7	11.0	2.4		0.6	1.6		2.1	
7	1.0	1.0	0.8	21.5	n/a	1.0	1.7	9.5	2.2		0.7	1.4		2.0	
8	0.9		0.8	n/a	2.7	4.5	1.8	5.1	2.0	49.5	6.2	1.3		1.9	
9	0.9	0.9	0.8	37.0	n/a	3.4	1.6	26.5	2.3		1.6	62.5		1.7	
10	0.9	0.9	0.9	5.0	n/a	2.5	1.5	3.2	2.1		1.1	3.5		0.7	
11	0.8	19.0	2.9	n/a	4.2	16.5	1.4	10.5	7.0	2.0	1.0	3.9		1.5	
12	1.5	0.9	1.0	2.3	1.0	5.0	47.0	6.1	3.7		0.9	3.1	0.5	1.5	
13	1.5	0.9	1.5	4.4	1.0	6.8	2.9	2.0	1.3	14.5	6.7	2.5		1.4	
14	0.5	0.8	1.3	3.7	3.9	2.6	2.0	38.0	15.8	17.5	5.8	2.2		1.4	
15	0.5	n/a	8.0	1.9	38.0	5.8	3.4	2.3	35.0	3.9	5.0	1.0		1.4	
16	n/a	n/a	1.4	13.0	12.5	14.0	3.9	2.2	36.0	10.7	8.4	1.8		1.3	
17	n/a	n/a	1.2	6.2	7.5	5.5	3.2	6.6	2.3		2.4	1.7		1.3	
18	n/a	n/a	1.1	1.0	5.1	3.6	1.9	61.0	7.6	5.6	1.9	1.6		1.2	
19	n/a	n/a	1.0	n/a	3.3	32.0	4.5	34.0	14.9		4.8	1.5		1.1	
20	0.5	n/a	0.9	n/a	10.0	3.9	4.5	4.3	3.0	2.3	1.2	1.5		1.1	
21	3.5	n/a	0.9	9.5	n/a	2.6	1.5	6.6	1.8		1.1	1.5		1.1	
22	n/a	n/a	1.0	n/a	64.0	14.7	2.2	0.5	5.2		3.6	1.5		1.1	
23	0.7	0.9	0.9	11.0	n/a	9.5	28.5	4.3	30.0	9.8	1.6	1.5		3.2	
24	0.7	0.9	0.9	30.5	n/a	6.6	38.5	10.9	6.0		3.3	4.0		3.4	
25	0.7	0.8	0.8	22.5	n/a	5.4	9.5	8.0	4.4		1.4	1.9		1.7	
26	0.7	71.0	8.6	n/a	7.4	4.6	6.0	13.5	4.8		1.3	5.5		1.5	
27	0.7	15.0	12.3	n/a	5.7	14.5	4.4	29.5	8.5		1.2	2.2		1.6	
28	6.0	n/a	11.3	1.0	5.0	14.0	6.9	5.4	10.4	13.0	6.5	1.3		1.4	
29	n/a	n/a	n/a	n/a	4.3	2.5	4.8	3.6	1.5	28.0	2.4	1.3		1.3	
30	n/a	n/a	n/a	n/a	3.8	4.0	2.9	3.2	1.0	10.3	3.8	1.7		1.1	
31	n/a	n/a	n/a	n/a	3.5	2.6	4.1	10.3	0.9	40.5	3.5	4.0		1.1	
total	25.5	n/a	172.0	n/a	233.5	n/a	200.0	142.8	174.5	117.7	67.4	170.5	76.9	62.7	
							262.0	200.6	85.5	73.7	216.5	67.4	170.5	47.5	97.0
							136.7	200.6	85.5	73.7	216.5	67.4	170.5	47.5	97.0

1日のすべてをバックアップ水位計の値より計算

付表 - 2 . 東山流域の日降水量と日流出量

HIGASHIYAMA 1991

unit: mm/day

annual precipitation: 2038.5

annual runoff:

1366.4

day	January rain	runoff	February rain	runoff	March rain	runoff	April rain	runoff	May rain	runoff	June rain	runoff	July rain	runoff	August rain	runoff	September rain	runoff	October rain	runoff	November rain	runoff	December rain	runoff
1	1.5		1.2	5.5	2.1	2.9	2.5	3.0	4.4	2.9	22.5	3.0	14.1	4.1	4.1	3.9	25.5	7.2	3.4			3.4	6.3	
2	0.5	1.9	1.1		1.6	2.5	2.5	2.1	3.7	2.5	2.5	2.1	10.5	9.9	3.7	2.4	11.0	8.3	3.1			3.1	5.3	
3		1.6	1.1		1.5	2.3	46.5	7.4	3.3	2.3	46.5	7.4	6.8	6.8	3.2	2.0		4.6	2.9			2.9	4.6	
4	1.5	1.0	1.0	1.4	1.4	2.1	32.5	10.1	3.0	2.1	32.5	10.1	5.8	5.8	2.7	1.8		3.6	2.8			2.8	4.2	
5	1.5	1.5	1.0	1.3	1.3	2.0		7.3	2.8	2.0		7.3	58.0	11.0	2.6	1.6	3.0	3.2	2.6			2.6	3.9	
6	1.5	1.5	0.5	1.0	1.2	1.9		5.0	2.7	1.9		5.0	0.5	11.6	5.0	1.5	11.0	4.1	2.4			2.4	3.7	
7	1.5	1.0	1.0	1.1	1.2	1.8	23.5	4.0	3.5	1.8		4.0	8.1	37.5	4.9	1.5	51.5	8.8	2.4			2.4	3.6	
8	1.6	1.6	1.0	1.1	1.1	1.8	12.5	4.6	4.6	1.8		3.4	1.0	6.8	4.2	1.3	2.5	10.5	2.3			2.3	3.3	
9	1.5	1.6	0.5	1.0	41.0	4.0	10.0	5.7	33.5	4.0	3.0	3.0	5.7	3.0	3.0	2.0	1.4	1.5	7.3	11.0	3.0	3.0	3.0	
10	1.5	1.5	1.0	0.5	3.2	0.5	0.5	4.5	4.5	3.6	6.0	2.8	5.4	2.7	2.7	1.2	4.5	6.9	2.4			2.4	0.5	
11	3.5	1.4	17.0	1.8	3.5	2.4	4.5	4.0	4.0	2.7	0.5	3.1	5.0	2.6	2.6	1.1	11.0	6.9	2.2			2.2	2.4	
12	1.0	1.4		1.3	13.0	3.6	0.5	3.8	3.8	2.3		2.6	10.5	4.7	2.4	1.1	16.5	9.2	2.1			2.1	2.0	
13	2.0	1.4		1.1		2.8		3.3	3.3	3.0		2.4	20.0	7.2	0.5	2.3	2.0	1.0	2.5	7.6		2.0	0.5	
14	0.5	1.3		1.1		2.4	12.0	3.8	3.8	2.5	64.0	13.6	4.8	4.8	2.1	66.0	3.7	5.9	2.0			2.0	2.0	
15		1.3		1.0		2.2		3.4	3.4	2.2		6.6	4.2	4.2	1.9	18.5	8.6	5.0	2.0			2.0	2.0	
16		1.3	24.0			2.0		3.0	3.0	2.8	24.0	6.3	34.5	6.0	1.6	7.0	3.9	4.3	1.8			1.8	2.0	
17	1.0	1.3		1.9	11.0	2.8		2.8	2.8	3.5	2.8	5.3	23.5	11.2	2.0	3.3	1.0	4.0	1.8			1.8	1.9	
18	3.0	1.4		1.7		2.3	3.0	2.7	2.7	2.4	3.0	5.4	30.5	12.7	1.6	7.0	2.7	50.5	10.9			1.8	5.0	
19	0.5	1.3		1.5		2.0	8.0	3.2	3.2	2.2		4.7	32.5	21.7	1.5	167.0	36.5	6.1	1.7			1.7	1.9	
20		1.2		1.3		1.9		2.7	2.7	2.0	10.0	4.2	0.5	9.7	1.5	15.0	54.4	5.0	1.6			1.6	1.7	
21		1.2		1.2	6.5	2.2		2.5	2.5	1.8	5.5	4.8	7.3	7.5	1.7	12.2	4.5	4.5	1.6			1.6	1.7	
22	23.5	2.5		1.2	1.0	1.9		2.3	2.3	1.8	0.5	3.6	6.0	6.0	1.5	2.5	8.1	4.1	1.5			1.5	1.7	
23	0.5	1.8	2.0	1.2	44.0	5.8		2.2	2.2	1.8	15.5	4.3	0.5	5.2	0.5	1.5	3.8	3.8	1.5			1.5	1.6	
24	1.5	1.5		1.1	5.0	7.0	4.0	2.3	2.3	1.6	25.0	5.6	4.5	4.5	0.5	1.5	5.3	3.4	3.5			3.5	2.0	
25	5.5	1.6	0.5	1.0		4.6	10.0	2.5	2.5	1.6	16.0	8.1	4.1	22.5	2.7	4.5	4.9	29.0	4.7			1.5	1.7	
26		1.5	2.0	1.1		3.8		2.4	0.5	1.6		6.1	3.7	3.7	1.9	4.4	4.4	5.2	1.4			1.4	27.0	
27		1.4	3.0	1.1	1.0	3.5	1.5	2.2	7.0	1.7		4.8	39.5	5.4	1.5	4.5	4.2	14.0	4.4	0.5		1.4	3.1	
28		1.3	4.5	1.2	10.0	3.5		2.1	3.5	1.8		4.1	5.5	6.8	1.4	7.5	4.7	9.0	5.6	41.0	2.6	45.5	6.9	
29		1.3				3.1	15.0	2.3	0.5	1.6	22.5	4.6	2.0	4.8	0.5	1.3	5.6	4.6	4.6	97.5	29.8	6.1	6.1	
30		1.2				2.8	14.5	3.9	3.9	1.5	67.5	15.4	12.5	4.7	4.0	1.4	0.5	5.1	4.0			9.9	4.4	
31		1.2				28.0	4.8			1.3			4.6	55.0	5.3			3.7					0.5	3.7
total	44.5	45.5	54.0	34.4	170.0	86.0	119.5	95.6	79.5	67.9	364.0	163.7	229.1	282.0	75.0	304.0	195.7	244.0	177.4	153.5	99.0	88.5	97.1	

1日のうち一部をバックアップ水位計の値より計算
1日すべてをバックアップ水位計の値より計算

付表 - 2. 東山流域の日降水量と日流出量(つづき)

HIGASHIYAMA 1992 unit: mm/day annual precipitation: 1641.0 annual runoff: 956.2

day	January		February		March		April		May		June		July		August		September		October		November		December	
	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff
1	0.5	3.4	8.5	1.8	1.2	16.5	3.8	9.5	4.1	3.3	29.5	4.3	1.6	0.8	2.7	0.8	2.7	0.8	2.7	1.6	1.6	1.6	1.5	
2	5.0	3.3	2.5	1.6	1.2	25.5	9.5	5.9	0.5	3.0	7.0	3.6	2.5	1.6	0.8	29.5	4.5	0.8	29.5	1.6	1.5	20.0	3.4	
3	2.0	3.1	2.5	1.6	1.1		5.9	2.7	2.1	2.8		3.2	6.5	1.6	0.7		3.1	0.7		1.6	1.4		3.1	
4	2.0	3.0	24.5	2.7	1.0		9.9	2.5	2.5	2.6		2.9	1.0	1.8	0.7		2.1	0.7		1.4	1.4		2.0	
5		3.0	1.0	2.8	1.0	28.0	5.3	2.3	2.3	2.6		2.6	1.5	1.5	0.6		1.7	0.6		1.4	1.4		1.5	
6		2.8		2.1	1.9		5.7		2.2	1.5	2.6	7.0	2.9	1.5	0.6	18.0	3.0	0.6	18.0	3.0	1.3		1.5	
7	12.5	3.3	3.3	1.9	1.4		4.3		2.1	0.5	2.4		2.5	1.3	0.6		2.2	2.0	2.0	1.3	8.0	1.5	1.5	
8		2.7		1.7	1.2		3.7	9.5	2.6	59.5	7.0		2.5	1.3	0.6		1.6	0.6		1.2	1.2	8.0	1.5	
9	2.5	2.6		1.6	1.2		3.4	37.0	3.9	5.9	0.5	2.2	37.5	3.2	0.6	48.5	6.1	0.6	48.5	6.1	1.0	1.2	58.5	6.6
10	4.0	2.8		1.6	1.2	2.5	3.2	21.5	8.3	4.0	2.0	2.0	2.0	3.9	0.5		5.3	0.5		3.0	37.5	4.6	4.1	
11		2.3		1.5	1.2	18.0	4.5		4.6	2.0	3.4	15.5	2.2	2.4	0.5		3.4	0.5		3.0	11.5	4.0	4.0	
12	0.5	2.2		1.4	1.1		3.8		3.8	46.5	11.2	12.5	3.5	2.8	0.5		2.7	0.5		2.2		2.2	3.4	3.4
13		2.1		1.4	1.1	1.5	3.4	2.0	3.4	6.5	0.5	2.4	6.0	2.4	0.5		2.5	0.5		2.2		2.2	3.0	3.0
14	2.0	2.1		1.3	1.0		3.1	27.5	4.7	5.0	28.0	3.7	4.5	2.9	0.5		2.5	0.5		2.5		1.8	3.4	3.4
15		2.0	0.5	1.3	1.0		2.9	5.0	5.4	5.0	4.4	44.0	10.1	0.5	2.1	11.0	0.9	24.5	3.5	2.4	2.5	1.7	2.0	2.8
16		1.9	1.5	1.3	1.6	1.6	9.5	3.3	8.2	3.9	1.0	6.2		2.0	0.8		2.5	3.2	2.5	3.0	3.0	11.5	4.0	4.0
17	0.5	1.9		1.3	1.2		3.1		7.4	3.4		4.6		1.8	0.6		2.1	0.6		2.2		2.2	3.4	3.4
18		1.8		1.2	1.6		2.5	5.0	5.5	3.2	33.0	7.0	6.5	1.8	0.5		1.8	0.5		2.5		1.8	3.4	3.4
19		1.8		1.2	1.2	12.0	3.8	8.0	5.9	0.5	3.0	3.0	6.3	0.5	1.8	12.5	0.8	0.5	1.7	1.3		1.3	2.1	2.1
20		1.8		1.2	1.2		4.6	2.0	4.7	5.0	2.8	4.8		1.5	0.5	0.8	23.0	2.2	8.0	1.4		1.4	1.9	1.9
21	0.5	1.8		1.2	1.1	11.5	2.1	2.4	4.3	18.5	3.8	4.0		1.4	0.6		2.6	0.6		40.5	5.9	1.8	1.8	1.8
22	2.5	1.7		1.1	0.9	8.0	2.9	9.0	3.8	2.9		3.5		1.4	0.5		1.9	0.5		3.5	1.5	1.8	1.8	1.8
23		1.7	0.5	1.1	2.2	46.0	10.7		3.5	2.6		3.2		1.4	0.5		1.6	0.5		2.8	1.5	1.7	1.7	1.7
24		1.6		1.1	7.0	2.3	5.2		3.6	42.5	5.8	2.8	24.0	1.9	0.5	13.0	1.6	0.5		2.4		2.4	1.7	1.7
25		1.6		1.1	14.0	2.9	7.5	4.6	3.3		4.9	2.6	1.0	2.3	4.0	9.5	3.1	2.1	2.1	2.0		2.0	1.6	1.6
26		1.6		1.1	0.5	2.7	3.8		2.9	3.7		2.4		1.6	51.0	5.2	2.1	2.0	2.0		2.0		1.6	1.6
27		1.5		1.1	0.5	2.4	3.4		2.8	3.1		2.2		1.4	1.5		1.8	1.8		1.8	1.0	1.7	1.7	1.7
28		1.5		1.1	5.5	2.4	3.1	47.0	7.3	2.9		2.0		1.2	1.0		1.6	1.6		1.7	1.0	1.7	1.7	1.7
29		1.4		1.0	10.5	2.3	2.9	2.5	4.4	2.7		1.9		1.0	3.0	0.9	0.5	1.6	1.6		1.7	2.5	1.7	1.7
30	0.5	1.4			28.5	4.5	8.0	2.7	3.8	2.0	2.5	1.8		0.9	39.5	3.8	2.0	1.6	1.6		1.6		1.5	1.5
31		1.4				4.9		2.5	3.9		1.7		0.8		7.0	2.3							1.5	1.5
total	35.0	67.1	39.0	42.6	165.0	62.2	788.5	127.8	234.0	130.8	783.5	117.9	107.6	104.5	56.1	121.5	28.0	181.5	79.6	92.0	59.6	115.0	76.9	76.9

付表 - 2 . 東山流域の日降水量と日流出量 (つづき)

HIGASHIYAMA		1993		unit: mm/day		n/a : data not available		annual precipitation: 1815.0		annual runoff:		n/a							
day	January rain runoff	February rain runoff	March rain runoff	April rain runoff	May rain runoff	June rain runoff	July rain runoff	August rain runoff	September rain runoff	October rain runoff	November rain runoff	December rain runoff	total						
1	1.4	1.4	1.4	3.3	1.8	6.0	2.7	1.1	29.0	25.1	4.8	2.4	43.0	7.4	2.0	2.3	12.0	1.9	
2	1.4	1.3	1.3	2.8	1.6	1.5	2.2	1.0	17.4	17.4	3.9	2.3	2.3	4.4	2.0	2.0	1.5	2.3	
3	1.3	1.3	1.3	2.6	1.6	31.5	4.4	1.0	49.5	22.0	18.5	4.4	9.5	2.5	3.7	1.7		1.9	
4	1.3	1.2	1.2	2.5	1.5	1.5	3.9	0.5	1.0	0.5	20.1	11.0	5.6	36.5	9.0	13.0	1.5	0.5	
5	1.3	1.2	1.2	2.4	2.0	1.6	2.9	0.9	29.5	17.7	1.0	4.8	7.5	4.7	3.6	1.4	1.4	1.7	
6	1.2	1.2	1.2	2.3	1.4	1.4	2.5	0.9	16.9	21.0	5.7	3.2		3.3	1.4	1.4	1.7	1.7	
7	4.5	1.3	1.2	4.5	2.3	1.4	2.2	0.8	6.0	13.9	5.1	16.0	3.6	3.0	1.4	1.4	1.6	1.6	
8	20.0	2.4	1.0	1.2	0.5	2.7	2.0	0.8	1.0	9.1	7.0	4.7	35.5	6.7	10.5	2.9	12.0	1.6	
9	1.7	0.5	1.1	2.0	1.3	1.3	1.9	37.5	1.9	1.5	6.9	4.0	22.0	7.9	30.5	6.9	8.0	2.3	
10	10.0	1.9	1.1	1.9	1.2	9.5	2.1	5.0	2.7	5.5	6.7	2.5	4.3	38.5	23.6	4.5	1.7	1.5	
11	2.0	2.1	1.1	1.8	1.2	1.5	2.0	29.5	8.3	18.0	4.8	3.0	12.3	3.7	3.5	1.6	15.0	2.2	
12	1.8	1.1	1.1	1.7	0.5	1.2	1.7	1.6	4.0	10.2	4.9	0.5	7.5	3.3	2.5	1.8	1.0	1.8	
13	1.7	1.1	1.1	1.5	1.1	1.6	1.6	1.3	5.0	9.3	3.8	n/a	n/a	3.0	1.6	1.6	1.6	1.6	
14	1.5	1.1	1.1	1.5	1.1	1.5	1.5	43.0	3.4	3.5	7.5	6.0	75.0	n/a	2.8	55.0	7.8	2.5	
15	13.0	2.2	1.0	1.5	1.1	7.0	2.0	9.5	6.2	6.0	6.6	15.5	4.5	16.5	2.6	2.6	4.8	1.0	
16	12.0	2.4	1.0	16.5	2.6	1.1	1.7	2.0	3.4	5.7	10.0	4.6	n/a	2.4	2.4	3.4	1.0	1.5	
17	0.5	2.5	2.5	1.2	1.9	1.7	1.7	2.5	2.5	5.0	5.5	5.0	n/a	2.4	2.4	2.8	2.5	1.6	
18	2.1	1.4	3.5	1.7	1.0	12.0	1.8	2.0	10.5	5.3	38.0	8.1	n/a	2.3	2.3	2.5	3.5	1.6	
19	1.9	1.8	1.8	1.7	1.0	0.5	2.0	2.0	4.8	12.5	9.4	3.0	n/a	2.2	4.5	2.6	0.5	1.4	
20	1.8	1.5	1.5	1.6	1.0	1.3	48.0	7.5	4.2	4.1	7.4	n/a	n/a	2.1	1.0	2.2	2.0	1.4	
21	1.7	1.4	1.4	1.5	1.0	1.2	4.7	3.0	4.1	1.0	6.0	4.7	1.5	1.9	4.0	2.3	11.0	2.0	
22	1.6	68.0	11.2	1.4	1.0	1.2	1.2	3.4	3.9	7.0	5.6	4.5		1.9	10.5	2.9	4.0	1.9	
23	1.5	5.5	6.2	1.4	19.5	2.8	24.5	4.2	3.5	14.0	5.7	16.0	5.3	1.9	2.3	2.3		1.7	
24	3.0	1.6	4.7	1.4	1.3	1.8	35.5	11.2	3.2	3.2	4.8	13.0	5.6	1.8	2.5	2.3	4.5	1.6	
25	0.5	1.5	1.0	3.7	15.0	2.3	5.5	6.3	9.0	3.7	4.2	0.5	4.6	1.7	2.1	2.1	1.6	1.6	
26	0.5	1.5	3.3	1.7	1.4	1.4	1.4	17.5	6.0	17.0	4.2	3.8	4.1	1.7	2.0	2.0	1.6	1.6	
27	1.4	1.4	2.9	1.6	1.1	1.2	6.0	2.5	3.8	3.4	3.4	3.3	3.3	1.6	2.0	2.0	7.0	1.7	
28	2.5	1.4	10.5	3.3	1.0	1.5	1.1	4.6	0.5	3.4	3.1	3.1	3.1	1.5	0.5	2.0	7.0	1.6	
29	5.5	1.4	18.5	2.7	46.5	3.3	1.0	4.5	4.1	0.5	3.0	2.8	3.0	1.4	1.4	1.8	1.5	1.5	
30	1.4	1.4		2.1	2.0	3.4	3.0	1.0	85.0	20.1	2.7	3.5	3.0	17.0	1.8	1.8	1.4	1.4	
31	1.4	1.4		1.9	5.0	1.4	41.5	8.6	2.5	2.5	2.5	23.5	4.3					1.4	
total	74.0	51.6	123.0	63.3	56.0	61.8	76.0	42.5	703.5	59.8	325.0	114.6	255.0	266.8	148.5	296.5	108.0	66.5	51.8

1日のうち一部をバックアップ水位計の値より計算
1日すべてをバックアップ水位計の値より計算

付表 - 2. 東山流域の日降水量と日流出量(つづき)

HIGASHIYAMA 1994

unit: mm/day

n/a : data not available

annual precipitation: 1088.0

annual runoff:

n/a

day	January rain runoff	February rain runoff	March rain runoff	April rain runoff	May rain runoff	June rain runoff	July rain runoff	August rain runoff	September rain runoff	October rain runoff	November rain runoff	December rain runoff					
1	8.0	1.8	11.5	1.2	1.1	1.0	0.9	1.0	0.5	0.2	13.0	1.2					
2	1.4	5.5	3.2	1.0	1.8	0.9	0.8	0.5	0.4	0.2	5.3	1.1					
3	1.3	1.7	1.0	1.0	1.6	0.9	0.8	0.9	0.4	0.2	3.6	1.2					
4	1.2	4.5	1.5	1.0	1.0	0.9	0.7	0.8	0.3	0.2	15.0	1.9					
5	1.2	1.4	1.1	1.1	0.8	6.0	0.7	0.8	0.3	0.2	0.5	3.0					
6	1.2	1.3	1.1	1.1	0.6	1.0	0.7	0.8	0.3	0.2	2.2	1.1					
7	1.2	1.3	1.3	1.0	0.5	n/a	0.7	0.8	0.3	3.5	1.9	3.5					
8	1.2	1.3	6.5	1.1	1.6	n/a	0.7	7.5	0.3	1.5	0.2	1.7					
9	1.2	4.0	1.4	28.0	0.7	1.4	18.0	1.0	0.3	0.2	1.7	0.9					
10	1.2	1.0	1.3	2.0	0.7	n/a	5.5	1.5	1.2	1.5	0.1	1.5					
11	1.2	1.2	1.7	1.7	0.7	0.5	0.9	0.6	0.3	0.1	0.5	0.8					
12	1.2	4.5	1.2	1.5	0.7	50.5	0.8	0.5	0.3	0.2	1.4	0.8					
13	1.2	8.0	1.9	4.0	1.7	46.5	4.8	0.6	0.2	3.0	0.1	6.5					
14	0.5	1.2	1.5	1.4	1.5	2.7	1.3	0.6	0.2	0.2	1.4	0.8					
15	1.1	1.5	1.3	1.4	1.1	1.9	0.5	1.4	0.2	0.1	1.2	0.8					
16	1.1	1.3	1.3	1.3	1.3	1.5	6.0	0.5	0.2	6.0	0.1	1.2					
17	1.1	1.3	1.3	1.3	1.3	1.2	0.8	0.5	0.2	76.5	2.7	1.0					
18	2.0	2.2	1.2	1.2	1.4	2.0	0.7	15.5	0.2	78.0	14.6	1.1					
19	1.5	1.3	1.3	1.2	2.2	1.4	19.0	1.1	0.2	4.4	1.0	16.5					
20	0.5	1.3	1.3	1.2	1.5	1.3	5.5	1.7	0.7	9.0	3.0	0.9					
21	1.2	6.0	1.4	1.2	1.0	1.2	38.0	5.4	2.9	1.8	0.9	0.9					
22	1.1	1.5	1.7	1.1	0.9	1.2	2.1	0.7	1.5	1.3	30.5	2.5					
23	1.1	1.5	1.5	1.2	0.9	1.1	1.5	0.6	6.0	2.0	1.6	0.7					
24	1.1	2.0	1.5	1.3	1.1	1.0	2.5	0.5	0.4	1.0	1.2	0.5					
25	1.1	1.5	1.5	1.6	0.5	0.9	0.5	1.2	0.4	26.0	2.1	1.1					
26	1.1	1.4	0.5	1.1	0.9	0.9	1.1	1.0	0.4	1.7	1.0	0.7					
27	1.1	1.3	1.1	1.1	0.8	28.0	2.1	0.5	0.4	1.2	9.0	1.1					
28	1.0	1.2	1.1	1.1	1.8	1.0	2.0	1.0	0.4	8.5	1.5	1.2					
29	4.0	1.2	1.1	2.0	1.9	1.2	1.0	0.4	0.5	1.2	21.0	1.9					
30	1.3	1.1	1.1	1.1	1.1	1.1	1.0	2.5	0.4	133.5	35.4	1.8					
31	1.1	1.1	1.1	1.1	1.1	1.0	0.5	0.3	0.3	1.4	0.7	0.5					
total	33.0	38.4	51.5	40.5	39.8	94.5	35.7	73.5	13.2	348.5	75.8	84.0	65.7	38.0	27.6	23.0	18.7

1日のうち一部をバックアップ水位計の値より計算
1日すべてをバックアップ水位計の値より計算

付表 - 2 . 東山流域の日降水量と日流出量 (つづき)

HIGASHIYAMA		1995		unit: mm/day		n/a : data not available		annual precipitation: 1673.0		annual runoff:		n/a	
day	January rain runoff	February rain runoff	March rain runoff	April rain runoff	May rain runoff	June rain runoff	July rain runoff	August rain runoff	September rain runoff	October rain runoff	November rain runoff	December rain runoff	December rain runoff
1	1.0	0.5	0.7	n/a	n/a	n/a	n/a	1.9	3.2	31.0	4.9	1.3	1.0
2		0.5	0.7	n/a	n/a	n/a	n/a	0.5	2.9	2.0	46.0	4.5	0.9
3		0.5	0.7	n/a	n/a	n/a	n/a	13.0	2.7	3.5	1.4	8.0	0.9
4	25.0	0.7	0.6	n/a	n/a	20.5	n/a	79.0	2.4	5.5	1.8	3.2	0.9
5	10.0	2.3	0.6	n/a	n/a	2.5	n/a	61.5	2.2	1.2	2.5	0.8	0.8
6		1.0	0.7	n/a	n/a	n/a	n/a	54.5	2.0	1.0	9.5	3.0	0.8
7		0.9	9.0	0.7	0.5	n/a	n/a	7.5	1.9	1.0	0.5	2.3	0.8
8		0.8	0.7	n/a	n/a	n/a	n/a	0.5	1.8	0.9	2.0	44.5	4.1
9		0.8	0.7	n/a	n/a	n/a	n/a	13.0	1.7	0.9	5.0	2.4	0.5
10		0.7	0.7	10.5	n/a	n/a	n/a	7.9	1.5	0.9	2.3	2.4	0.8
11		0.6	0.7	9.5	n/a	n/a	n/a	6.3	1.6	0.9	2.1	2.1	0.8
12		0.6	0.6	n/a	n/a	n/a	n/a	5.6	1.5	0.8	2.0	2.0	0.8
13		0.6	11.5	4.0	3.0	1.0	n/a	5.3	1.3	0.7	1.8	1.9	0.8
14	0.5	0.6	0.9	n/a	1.0	7.0	n/a	2.0	1.3	0.5	0.7	1.7	1.8
15	0.5	0.6	0.8	n/a	1.0	6.5	n/a	10.5	1.3	18.0	1.4	1.4	9.5
16		0.6	0.8	n/a	24.5	28.5	n/a	14.5	1.2	18.0	1.4	1.3	2.2
17		0.6	0.8	n/a	n/a	1.0	n/a	0.5	1.1	4.5	1.1	1.3	1.8
18		0.6	0.7	18.0	n/a	n/a	n/a	14.5	1.0	75.5	8.2	1.2	1.2
19	0.5	0.6	0.7	25.5	n/a	n/a	n/a	4.2	0.9	1.5	6.5	1.0	1.1
20		0.6	0.7	n/a	n/a	n/a	n/a	5.3	0.9	2.6	1.0	1.1	0.7
21		0.6	0.7	n/a	n/a	0.5	n/a	4.5	0.8	1.6	1.0	1.5	1.0
22	2.5	0.6	n/a	17.5	n/a	13.0	n/a	4.5	0.7	1.4	0.9	17.5	2.1
23	33.5	2.7	n/a	n/a	19.5	n/a	n/a	16.7	3.1	1.3	0.9	1.4	0.7
24		1.5	n/a	n/a	0.5	n/a	n/a	17.8	1.3	1.3	0.8	1.3	0.7
25		1.3	n/a	n/a	n/a	n/a	n/a	10.1	1.1	1.2	0.8	1.5	0.7
26		1.1	n/a	5.5	n/a	n/a	n/a	7.6	1.0	36.0	5.2	3.1	1.2
27		0.9	4.0	2.0	10.0	2.5	n/a	6.1	0.9	2.8	1.9	1.2	0.7
28		0.9	n/a	7.5	n/a	3.5	n/a	5.2	0.8	3.5	2.5	1.4	1.2
29		0.8	n/a	0.5	n/a	n/a	n/a	4.6	0.8	0.5	2.1	1.1	0.6
30		0.8	14.0	n/a	20.5	n/a	n/a	4.2	0.7	1.4	1.1	1.1	2.0
31		0.8	25.0	n/a	3.0	n/a	n/a	3.8	0.6	1.4	7.0	1.2	0.7
total	73.5	26.7	24.5	n/a	215.0	96.5	n/a	257.8	47.6	180.0	61.1	117.5	44.8
				235.0	n/a	n/a	n/a	81.5	2.7	75.0	57.5	75.0	2.0
					n/a	n/a	n/a	38.5	2.7	75.0	44.8	2.0	23.7

1日のうち一部をバックアップ水位計の値より計算
1日すべてをバックアップ水位計の値より計算

付表 - 2. 東山流域の日降水量と日流出量(つづき)

HIGASHIYAMA 1996

unit: mm/day

annual precipitation: 1378.0

annual runoff:

681.2

day	January		February		March		April		May		June		July		August		September		October		November		December	
	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff
1	0.6	1.0	0.6	1.8	30.5	1.8	5.8	1.4	2.3	1.5	1.1	5.5	2.3	1.5	0.5	1.9	23.0	3.4	17.0	1.3	0.5	2.2		
2	0.6	0.5	0.6	3.6	1.5	3.6	4.4	1.4	1.9	1.4	1.1	1.9	1.9	1.4	1.6	0.5	2.1	5.0	1.7	5.0	1.7	2.3		
3	0.6	0.6	0.6	1.9	3.6	1.4	3.6	1.4	1.7	1.3	1.1	1.7	1.7	1.3	1.3	1.3	1.6	1.6	1.4	3.5	2.6	2.6		
4	0.6	0.6	0.6	1.5	3.2	1.3	3.2	1.3	1.5	1.3	1.0	1.5	1.5	1.3	1.2	12.5	2.0	1.2	1.2	1.2	1.2	2.5	2.4	
5	0.6	2.5	0.6	1.4	2.9	35.5	2.9	1.4	1.4	2.9	1.4	1.4	1.4	1.2	1.1	1.1	1.1	1.6	1.6	1.1	22.0	3.3		
6	0.6	0.6	0.6	1.3	3.5	0.5	2.6	3.1	16.0	2.3	0.9	16.0	2.3	1.1	1.1	1.0	1.0	1.4	2.5	1.1	21.0	6.9		
7	0.6	0.6	0.6	1.1	1.0	2.5	2.1	1.0	1.6	1.2	0.9	1.6	1.6	1.2	1.0	1.0	1.3	1.0	1.0	0.5	3.2	3.2		
8	0.6	0.6	0.6	2.0	13.0	2.0	2.3	1.8	55.5	5.9	0.8	55.5	5.9	1.3	1.3	1.0	1.2	10.0	1.3	1.0	0.5	2.5		
9	4.5	0.7	0.6	2.8	12.0	2.8	2.1	53.0	52.5	19.2	1.4	52.5	19.2	1.4	3.5	0.9	23.5	2.6	3.5	1.5	2.2	2.2		
10	0.7	0.6	0.6	2.0	2.0	1.5	8.0	7.5	1.0	8.3	1.1	1.0	8.3	1.1	26.5	2.2	1.8	0.5	1.2	1.8	0.5	2.0		
11	0.5	0.7	0.5	1.7	1.7	1.9	4.1	25.0	5.7	4.1	2.0	5.7	4.1	1.0	3.0	1.6	1.5	1.5	1.1	1.1	3.0	2.0		
12	7.5	0.8	0.5	1.6	1.8	1.8	3.2	3.2	4.3	3.5	1.8	4.3	3.5	1.0	0.5	1.2	0.5	1.5	26.0	2.0	1.1	1.8		
13	1.0	0.7	0.5	1.5	1.7	1.7	2.9	2.9	3.5	3.5	1.3	3.5	3.5	1.0	1.0	1.1	16.5	2.1	1.9	1.9	1.7	1.7		
14	0.5	0.7	0.6	1.5	1.7	1.5	2.7	2.7	1.7	2.7	1.1	3.0	3.0	1.1	12.5	1.4	3.5	1.8	1.4	1.4	1.6	1.6		
15	4.0	1.2	0.6	1.5	2.0	1.5	2.5	2.5	1.6	2.5	1.0	2.6	2.6	1.0	3.6	1.3	39.0	6.7	1.2	0.5	1.5	1.5		
16	12.0	1.6	0.5	2.4	17.0	2.4	2.5	2.3	1.6	2.3	1.0	2.4	2.4	2.2	2.2	1.0	1.1	3.7	1.2	1.2	0.5	1.5		
17	1.3	1.3	0.5	2.5	27.5	2.5	3.8	2.1	3.8	2.1	0.9	2.2	2.2	1.4	1.4	1.1	1.1	2.7	1.1	1.1	1.1	1.5		
18	1.0	0.9	0.6	8.0	16.5	8.0	18.5	3.1	3.0	3.1	2.0	10.0	2.1	1.2	0.5	1.0	2.3	4.0	1.1	23.5	2.7	2.7		
19	0.9	7.5	0.7	4.0	4.0	4.0	3.0	2.0	1.9	1.9	2.0	13.5	1.9	1.1	1.1	0.9	2.0	2.0	1.1	1.0	0.5	2.2		
20	0.8	5.0	0.6	3.0	2.0	3.0	2.4	1.9	2.9	2.6	1.2	29.0	2.6	1.0	1.0	0.9	1.8	1.8	1.0	1.0	1.5	1.9		
21	0.8	2.5	0.5	2.4	0.5	2.4	0.5	1.8	7.0	3.4	1.0	13.0	3.4	1.0	11.5	1.4	1.6	1.6	1.0	1.0	0.5	1.7		
22	0.7	1.0	0.5	18.0	2.7	2.0	24.5	2.6	2.3	2.3	0.9	5.0	2.3	0.9	5.0	1.1	1.5	1.5	1.0	1.0	0.5	1.7		
23	0.5	0.7	0.5	7.5	4.3	1.9	3.1	0.5	2.6	2.6	0.9	11.0	2.6	0.9	11.0	1.8	1.4	1.4	1.0	1.0	3.5	1.6		
24	0.7	0.6	0.6	2.9	2.9	1.8	2.2	2.2	2.2	7.2	1.2	29.5	7.2	0.8	0.8	1.2	1.4	1.4	0.9	0.9	1.6	1.6		
25	0.7	0.6	0.6	16.5	3.3	1.7	1.8	47.5	3.6	3.6	1.8	47.5	3.6	0.8	0.8	1.1	1.3	1.3	0.9	0.9	1.5	1.5		
26	0.6	20.0	1.6	1.0	3.7	1.6	1.7	23.5	2.8	2.8	1.7	23.5	2.8	0.7	5.5	1.1	1.2	1.2	1.2	0.9	1.5	1.5		
27	0.6	2.5	1.4	3.0	3.0	1.6	1.6	1.5	2.4	11.0	0.8	0.5	1.1	0.8	0.5	1.1	1.2	12.5	0.9	1.4	1.4	1.4		
28	0.6	1.2	1.2	2.7	2.7	1.5	1.5	4.5	2.1	2.1	3.5	2.1	2.1	2.1	0.9	0.9	1.1	1.1	21.0	3.1	1.4	1.4		
29	0.6	1.0	1.0	2.4	2.4	1.5	1.5	1.5	1.9	33.0	5.2	1.9	33.0	5.2	0.9	2.5	1.2	1.2	2.2	2.2	1.3	1.3		
30	0.6	0.6	0.6	5.5	2.4	2.4	1.4	0.5	1.8	9.0	3.3	19.5	0.9	0.5	1.1	4.0	2.4	4.0	2.4	2.4	1.3	1.3		
31	0.6	0.6	0.6	47.5	10.2	1.3	1.3	1.6	1.6	1.6	2.3	2.3	2.3	2.3	1.0	1.0	1.0	1.0	40.2	40.2	83.0	64.3		
total	30.5	23.1	42.5	19.5	219.5	87.1	49.5	71.2	117.5	74.5	51.6	153.0	108.1	46.2	101.0	36.3	122.0	59.1	106.0	40.2	83.0	64.3	64.3	

付表 - 2 . 東山流域の日降水量と日流出量 (つづき)

HIGASHIYAMA 1997

unit: mm/day

n/a : data not available

annual precipitation: 1903.2

annual runoff:

n/a

day	January	February	March	April	May	June	July	August	September	October	November	December								
rain	rain	rain	rain	rain	rain	rain	rain	rain	rain	rain	rain	rain								
runoff	runoff	runoff	runoff	runoff	runoff	runoff	runoff	runoff	runoff	runoff	runoff	runoff								
1	1.2	0.5	0.8	0.8	1.6	6.0	2.0	2.6	1.0	8.4	1.7	3.1								
2	1.2	0.8	0.8	0.9	1.4	1.7	1.7	2.5	2.7	6.7	1.7	3.0								
3	1.2	1.2	0.9	0.8	11.0	1.6	1.7	5.0	3.5	5.6	1.6	2.9								
4	1.2	7.0	1.1	0.8	7.5	1.9	1.7	3.1	4.9	4.9	1.6	2.7								
5	1.1	0.9	0.9	0.7	7.0	1.5	1.7	3.0	1.5	4.4	1.5	5.5								
6	16.0	1.9	0.9	0.7	52.5	8.0	1.7	3.0	74.5	15.1	2.7	2.5								
7	0.5	1.6	0.9	0.7	36.5	11.3	1.9	1.0	2.6	2.9	4.5	8.6								
8	1.3	n/a	n/a	0.7	14.5	16.0	2.2	1.8	1.5	3.6	2.0	7.2								
9	1.3	n/a	n/a	0.7	4.3	43.0	8.3	1.0	1.7	1.5	3.7	6.1								
10	1.2	n/a	n/a	0.7	5.3	17.5	2.5	27.0	4.1	5.5	4.8	2.0								
11	1.2	1.2	3.5	0.7	4.3	3.7	1.0	2.1	110.0	19.3	1.5	5.0								
12	1.1	1.5	n/a	0.5	3.6	3.0	0.5	1.9	28.0	22.4	1.8	0.5								
13	1.1	2.5	n/a	0.7	3.1	2.6	1.6	41.0	28.7	4.0	1.6	1.6								
14	1.1	n/a	n/a	0.6	2.8	26.0	3.1	1.4	17.0	20.0	3.7	32.0								
15	1.1	0.8	23.0	1.2	2.6	23.0	6.3	1.3	13.9	7.3	162.0	37.8								
16	1.1	21.0	1.2	2.1	2.4	11.0	6.0	2.5	10.8	3.5	5.5	17.0								
17	1.1	1.6	1.7	1.7	2.2	4.8	1.0	1.3	8.5	7.8	4.5	15.0								
18	1.1	1.1	1.3	1.2	2.1	3.9	1.2	4.0	7.9	4.0	13.5	n/a								
19	1.0	1.0	1.2	1.2	2.2	3.3	2.5	1.3	5.8	3.6	7.0	n/a								
20	1.0	0.9	1.1	1.1	2.0	3.1	22.0	1.6	5.1	3.3	n/a	n/a								
21	1.0	0.9	1.0	1.0	1.8	8.0	3.4	34.5	6.4	4.6	3.0	3.0								
22	1.0	0.8	17.0	1.4	1.5	1.8	2.9	2.5	2.8	4.2	n/a	n/a								
23	0.9	0.8	0.5	1.5	1.8	12.5	2.6	1.5	n/a	2.7	18.5	n/a								
24	0.5	1.0	0.8	1.2	1.6	2.4	2.0	3.0	n/a	2.5	2.0	n/a								
25	4.5	1.1	0.8	1.1	1.5	18.5	3.5	2.2	n/a	2.3	n/a	11.0								
26	0.5	3.0	0.9	1.0	1.5	2.7	2.0	1.0	3.0	2.2	5.0	n/a								
27	0.5	1.0	0.8	9.5	1.5	3.5	1.8	7.5	3.1	2.1	3.0	4.5								
28	0.9	0.8	1.3	1.3	1.4	2.3	6.5	1.7	12.0	3.4	4.0	0.5								
29	0.9	0.8	1.0	1.0	27.5	2.9	2.1	27.0	4.0	82.5	14.9	3.6								
30	0.9	0.8	27.5	2.5	2.0	2.0	3.2	26.0	14.5	1.8	3.3	3.3								
31	1.0	0.9	2.1	2.1	1.0	1.9	11.5	10.4	1.7	1.1	1.1	1.1								
total	23.5	34.7	35.5	n/a	103.0	34.0	162.5	95.4	185.5	98.5	156.0	63.7	391.5	n/a	21.0	56.1	268.4	88.3	77.8	108.3

付表 - 2. 東山流域の日降水量と日流出量(つづき)

HIGASHIYAMA 1998

unit: mm/day

nila : data not available

annual precipitation: nila

annual runoff:

1697.5

day	January rain runoff	February rain runoff	March rain runoff	April rain runoff	May rain runoff	June rain runoff	July rain runoff	August rain runoff	September rain runoff	October rain runoff	November rain runoff	December rain runoff												
1	2.3	2.3	3.0	2.5	2.9	3.9	6.6	5.2	5.8	6.4	4.1	7.5												
2	6.8	2.5	2.3	38.5	5.8	3.5	5.5	4.9	4.8	4.2	3.6	3.6												
3	2.1	2.1	2.2	2.2	6.1	30.5	6.3	4.4	4.1	2.5	3.6	3.3												
4	12.5	2.1	2.1	2.1	4.2	18.0	6.7	4.0	3.6	2.9	3.1	3.0												
5	0.5	2.6	2.0	2.0	2.0	6.0	5.3	2.5	3.1	2.6	9.0	2.9												
6	2.2	2.0	2.0	2.0	2.0	5.1	4.8	3.6	2.8	2.4	7.5	2.8												
7	2.0	1.9	2.8	nila	3.2	0.5	4.3	3.2	15.5	4.5	6.6	2.8												
8	2.0	2.0	2.5	nila	5.2	4.7	4.0	2.8	4.0	2.5	2.7	2.7												
9	19.0	3.0	3.5	2.0	2.4	4.4	19.0	2.8	3.9	4.5	2.7	2.7												
10	0.4	2.5	2.0	2.1	2.3	nila	6.7	2.6	2.7	2.1	2.6	2.6												
11	2.3	6.5	2.1	2.2	6.3	3.8	3.8	2.4	2.4	1.9	5.7	2.4												
12	7.6	2.4	1.9	16.0	5.3	58.5	10.0	3.7	2.2	1.8	5.2	2.3												
13	5.4	3.0	2.0	4.0	3.1	31.0	6.3	3.3	2.1	1.7	2.3	0.5												
14	0.9	2.6	2.0	2.7	28.5	11.9	3.9	2.5	1.9	1.6	4.2	2.1												
15	15.0	2.9	7.5	2.1	3.5	2.6	31.0	2.7	1.9	0.5	2.0	0.5												
16	20.7	7.7	2.1	2.1	15.5	10.9	6.1	2.5	2.4	11.0	2.4	2.4												
17	5.4	1.9	1.9	2.4	10.9	58.0	10.9	2.6	1.9	8.0	1.7	1.8												
18	7.5	4.5	1.7	2.3	0.5	8.3	5.5	4.0	2.4	31.0	5.2	1.9												
19	21.5	8.7	1.7	2.2	2.5	6.8	8.0	2.0	1.8	1.0	5.1	1.8												
20	6.1	4.0	1.6	2.8	5.9	5.9	3.4	2.2	1.6	4.0	4.1	1.7												
21	5.0	39.5	6.1	4.5	5.3	6.5	13.7	1.9	2.2	0.5	3.4	1.7												
22	4.4	4.1	3.2	3.2	4.8	5.7	18.8	1.8	1.8	60.0	10.3	1.6												
23	3.9	3.1	2.8	5.0	4.5	5.0	22.3	1.7	1.5	26.5	14.6	1.6												
24	3.6	2.7	2.6	34.5	7.7	0.5	17.9	4.5	1.5	46.5	15.2	1.5												
25	3.3	14.0	3.2	2.4	13.0	8.1	40.5	3.5	1.3	7.5	13.0	1.5												
26	3.1	1.0	3.0	2.2	7.1	0.5	9.8	1.6	1.7	12.0	12.1	1.4												
27	2.9	0.5	2.7	2.6	5.7	0.5	7.4	1.4	1.8	24.5	12.9	1.4												
28	2.8	2.5	13.5	5.0	5.1	4.9	6.4	116.5	2.0	30.5	20.5	1.5												
29	2.7		4.6	44.5	6.8	13.0	7.2	52.0	27.7	23.0	3.5	1.4												
30	2.5		3.1	3.1	2.2	11.3	5.9	10.0	11.6	20.5	4.3	1.4												
31	2.4		2.9	2.9	9.1	9.1	70.5	9.1	50.5	18.5	4.9	0.9												
total	117.8	105.5	84.5	67.4	109.5	85.0	nila	198.7	335.5	215.5	246.5	224.3	235.5	138.1	176.5	89.2	331.0	207.8	263.0	261.5	4.0	64.9	39.5	39.6

1日のうち一部をバックアップ水位計の値より計算
1日すべてをバックアップ水位計の値より計算

付表 - 2 . 東山流域の日降水量と日流出量 (つづき)

HIGASHIYAMA 1999

unit: mm/day

n/a : data not available

annual precipitation: n/a

annual runoff: 1218.0

day	January rain runoff	February rain runoff	March rain runoff	April rain runoff	May rain runoff	June rain runoff	July rain runoff	August rain runoff	September rain runoff	October rain runoff	November rain runoff	December rain runoff
1	0.9	n/a	0.7	1.4	2.5	1.4	2.1	57.6	2.9	4.0	35.0	2.3
2	0.9	n/a	0.7	1.2	2.1	1.4	1.9	23.3	2.6	7.0	12.0	5.6
3	0.9	n/a	0.7	1.1	2.0	1.4	1.8	19.5	2.6	1.4	3.5	2.7
4	0.8	n/a	0.7	1.0	1.7	1.0	1.8	20.0	2.3	1.4	3.3	2.2
5	0.8	n/a	0.7	1.0	1.6	99.0	1.6	18.8	2.1	1.5	3.0	2.0
6	0.8	0.7	1.0	1.0	1.6	7.5	1.6	8.6	2.0	1.3	2.9	1.8
7	0.8	0.7	0.9	12.0	2.0	5.2	2.1	6.7	1.8	1.2	17.5	1.7
8	0.8	0.7	9.5	1.3	1.6	4.1	3.7	6.4	1.7	30.0	3.3	1.6
9	0.8	0.7	1.1	1.1	1.5	3.5	2.1	6.1	1.6	2.0	1.9	1.5
10	0.8	0.7	4.5	1.1	1.5	3.1	1.7	5.9	1.6	1.5	2.6	1.4
11	0.9	3.0	0.7	0.5	1.0	41.0	1.6	5.5	1.8	1.0	1.4	1.3
12	3.5	0.9	18.0	1.6	4.3	2.5	1.5	5.2	2.1	0.5	1.3	1.4
13	3.0	0.8	1.0	0.9	3.1	2.4	1.4	15.5	1.6	1.2	2.2	2.3
14	4.0	0.8	0.8	0.9	2.6	2.1	1.4	18.0	2.2	0.5	1.2	1.6
15	0.9	0.8	1.5	0.9	2.3	2.0	1.3	12.0	7.4	19.0	2.2	1.1
16	1.5	0.9	0.8	1.6	2.2	36.0	3.3	5.2	37.5	7.8	17.5	36.2
17	0.9	0.7	1.2	1.1	2.0	3.6	0.5	4.4	13.5	6.0	16.0	13.3
18	0.8	0.7	1.1	1.1	1.9	2.5	1.7	4.1	3.6	8.3	1.8	2.3
19	0.8	0.5	2.0	1.0	12.0	2.3	8.0	1.5	3.8	2.8	1.7	2.0
20	13.0	1.6	0.5	1.9	6.0	3.0	37.0	4.0	2.5	1.0	5.3	1.8
21	1.2	0.7	8.5	2.3	2.2	2.0	3.3	1.0	3.6	8.5	2.4	1.0
22	1.0	0.7	32.5	5.0	2.0	2.0	2.3	3.3	3.3	12.0	3.4	1.8
23	0.9	0.7	0.5	4.1	1.8	3.0	2.3	3.0	2.5	35.0	9.7	1.6
24	0.9	0.7	3.0	3.0	1.8	1.8	7.0	2.8	2.2	20.0	12.9	1.6
25	3.0	0.9	14.5	1.2	2.5	3.1	56.5	7.5	4.5	2.2	10.0	9.5
26	4.0	1.0	0.5	0.9	1.9	2.4	20.5	12.3	2.4	0.5	1.9	7.2
27	0.5	0.9	23.5	1.8	1.7	27.0	2.7	8.0	2.2	3.0	1.8	1.4
28	0.9	2.1	3.0	2.4	1.7	5.0	38.0	20.3	2.8	2.5	2.0	2.7
29	0.5	0.8	2.0	2.0	1.6	3.3	9.9	51.5	7.9	0.5	1.7	1.8
30	0.8	1.9	1.9	1.9	1.5	2.7	239.0	123.5	4.5	4.6	1.5	1.7
31	0.8	17.0	2.3	2.3	3.4	2.3	1.4	1.4	1.4	1.4	1.4	0.9
total	33.0	27.7	n/a	24.3	65.1	205.5	104.6	483.5	229.6	163.0	275.7	187.1
				89.5	53.0	483.5	229.6	76.9	343.0	69.5	72.9	64.2
								n/a				7.5
												36.9

■ 1日のうち一部をバックアップ水位計の値より計算
 ■ 1日すべてをバックアップ水位計の値より計算

付表 - 2. 東山流域の日降水量と日流出量(つづき)

HIGASHIYAMA 2000

unit: mm/day n/a : data not available annual precipitation: n/a annual runoff: n/a

day	January rain runoff	February rain runoff	March rain runoff	April rain runoff	May rain runoff	June rain runoff	July rain runoff	August rain runoff	September rain runoff	October rain runoff	November rain runoff	December rain runoff						
1	0.8	0.9	0.7	2.0	3.8	4.5	3.0	22.0	3.3	6.1	1.0	1.2	8.0	0.6	n/a	n/a	n/a	n/a
2	0.8	0.9	0.8	0.8	3.1	2.9	2.4	4.9	2.4	4.9	0.9	0.9	3.0	0.9	n/a	n/a	n/a	n/a
3	0.8	0.9	0.8	0.8	2.8	4.0	2.9	1.9	1.9	4.1	1.0	1.0	7.0	0.8	n/a	n/a	n/a	n/a
4	0.8	0.9	0.8	0.8	2.5	2.6	2.0	2.0	1.8	3.6	1.0	1.0	0.5	0.5	n/a	n/a	n/a	n/a
5	0.8	0.8	26.0	2.3	5.5	2.4	2.4	1.7	1.7	0.5	3.2	1.0	1.1	0.5	n/a	n/a	n/a	n/a
6	0.8	4.5	1.5	3.0	2.5	2.3	2.3	1.5	1.5	0.5	2.9	1.0	1.0	0.5	n/a	n/a	n/a	n/a
7	1.0	10.0	1.5	1.2	2.1	2.2	2.2	1.4	1.4	2.7	1.5	1.0	0.5	0.5	n/a	n/a	n/a	n/a
8	1.1	1.0	1.1	1.1	2.0	2.7	2.7	2.5	2.8	3.5	1.1	1.1	0.5	0.5	n/a	n/a	n/a	n/a
9	0.9	1.0	1.2	1.2	1.9	2.5	2.5	57.0	5.4	2.4	2.4	0.9	6.0	0.6	n/a	n/a	n/a	n/a
10	14.5	1.1	0.9	1.2	1.8	2.2	2.2	9.5	6.7	2.2	2.2	0.9	0.5	0.5	n/a	n/a	n/a	n/a
11	1.4	0.9	1.2	1.2	57.5	2.0	2.0	10.5	4.1	2.0	52.0	3.2	33.0	1.1	n/a	n/a	n/a	n/a
12	1.0	0.9	1.5	1.2	5.9	1.9	1.9	1.0	3.7	1.5	1.9	1.4	444.0	n/a	n/a	n/a	n/a	n/a
13	2.0	1.0	0.9	1.3	4.4	1.8	1.8	3.5	3.2	1.9	1.9	1.1	5.0	n/a	n/a	n/a	n/a	n/a
14	4.0	1.2	0.8	1.3	3.6	1.8	1.8	17.5	4.2	0.5	1.8	1.5	1.0	n/a	n/a	n/a	n/a	n/a
15	1.0	0.8	1.2	1.2	3.0	1.7	1.7	3.9	10.0	1.9	1.9	0.9	1.1	n/a	n/a	n/a	n/a	n/a
16	0.9	0.8	14.0	1.4	15.0	3.6	1.5	1.8	3.1	14.5	2.8	0.8	10.5	n/a	n/a	n/a	n/a	n/a
17	18.0	1.4	0.8	1.9	2.9	1.0	1.7	0.5	2.6	1.9	1.9	0.8	22.5	n/a	n/a	n/a	n/a	n/a
18	1.4	7.0	0.8	1.2	2.6	4.0	1.8	28.5	4.7	1.6	1.6	0.8	0.5	n/a	n/a	n/a	n/a	n/a
19	1.1	1.0	0.8	1.1	2.5	1.6	1.6	3.8	3.8	1.5	1.5	0.7	0.5	n/a	n/a	n/a	n/a	n/a
20	1.0	3.5	0.9	1.1	58.5	7.0	6.0	1.6	3.1	1.4	1.4	0.7	0.5	n/a	n/a	n/a	n/a	n/a
21	1.0	1.5	1.4	1.0	0.5	7.8	4.5	1.9	2.7	1.3	0.5	0.7	0.5	n/a	n/a	n/a	n/a	n/a
22	0.9	1.0	1.0	1.0	21.0	7.7	1.6	1.6	2.5	1.2	1.2	0.7	0.5	n/a	n/a	n/a	n/a	n/a
23	0.9	0.9	0.9	0.9	6.3	1.4	1.4	13.5	3.0	1.1	1.1	0.6	3.5	n/a	n/a	n/a	n/a	n/a
24	15.5	1.8	0.9	51.0	4.7	5.1	1.3	5.0	3.0	1.0	1.0	0.5	55.0	n/a	n/a	n/a	n/a	n/a
25	1.4	0.9	2.0	4.0	4.4	1.2	1.2	33.0	5.6	1.1	1.1	0.5	0.5	n/a	n/a	n/a	n/a	n/a
26	1.2	0.8	0.5	2.7	4.0	1.2	1.2	6.1	6.1	3.9	3.9	0.5	0.5	n/a	n/a	n/a	n/a	n/a
27	1.1	0.8	0.5	2.2	9.5	4.2	4.2	1.0	4.9	1.7	1.7	0.5	0.5	n/a	n/a	n/a	n/a	n/a
28	1.0	2.5	0.8	2.0	3.6	43.5	4.0	29.5	6.6	1.2	1.2	0.5	0.5	n/a	n/a	n/a	n/a	n/a
29	1.0	0.8	55.0	10.6	3.3	2.7	5.5	8.2	4.5	1.9	1.9	0.4	0.4	n/a	n/a	n/a	n/a	n/a
30	1.0	0.8	6.4	3.0	3.0	1.9	1.9	16.0	8.6	1.0	1.4	12.0	0.8	n/a	n/a	n/a	n/a	n/a
31	1.0	0.8	4.6	3.0	3.0	1.6	1.6	13.0	1.5	1.5	0.5	0.5	0.5	n/a	n/a	n/a	n/a	n/a
total	54.0	32.6	30.0	26.3	161.5	64.6	119.0	172.5	115.0	70.9	74.0	27.7	598.5	n/a	n/a	n/a	n/a	n/a

Rainfall and Runoff on 31 December 2000 from 9:00 to 24:00

1日のうち一部をバックアップ水位計の値より計算
1日すべてをバックアップ水位計の値より計算

付表 - 2 . 東山流域の日降水量と日流出量(つづき)

HIGASHIYAMA 2001

unit: mm/day

n/a : data not available

annual precipitation: n/a

annual runoff: n/a

n/a

day	January		February		March		April		May		June		July		August		September		October		November		December	
	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff
1	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1.0	n/a	2.5	n/a	3.4	44.0	8.5	1.9			1.4	
2	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.5	n/a		n/a	2.6		3.9	1.9			1.3	
3	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	27.5	2.8	3.0	27.5	2.8		1.3	
4	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	2.0	4.8	4.5	2.9	2.9	4.5	1.4	
5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.5	2.9	3.0	2.8	14.5	2.6	1.2	
6	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	2.0	n/a		n/a	2.2	2.2	2.2	15.5	4.9	5.5	1.4	
7	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	14.5	n/a	5.5	2.5		2.0	3.3		1.2	
8	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	2.2	2.0		1.9	2.8		1.2	
9	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	15.5	n/a		2.0	1.0	1.8	2.6		1.1	
10	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	35.5	1.7	50.5	5.2	43.5	5.4	2.4	2.6	1.1	
11	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	4.0	1.2	10.5	7.3	0.5	3.5		2.2	1.1	
12	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	7.0	n/a	10.0	1.2		4.8		2.8	2.0	2.2	1.1	
13	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	9.0	n/a	2.5	1.0	16.5	4.0		2.4		2.0	2.0	
14	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a		0.8	8.0	5.6		2.1	1.9		1.7	
15	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1.5	n/a		0.7	0.5	3.6		1.9		1.8	0.5	
16	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	28.0	n/a		0.6	4.5	3.3	2.0	1.9		n/a	1.5	
17	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1.5	n/a	0.5	0.6		2.9	45.5	5.2		n/a	n/a	
18	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.5	0.5		2.6	10.0	5.0		n/a	n/a	
19	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	3.0	n/a		0.5		2.3		3.7		n/a	n/a	
20	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a		0.5	2.1			3.1		n/a	n/a	
21	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	59.5	3.1	1.0	2.0		2.8		n/a	7.5	
22	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	111.5	33.9		1.9	17.5	2.9	n/a	n/a	0.5	
23	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a		8.2		1.7	1.0	3.5		n/a	1.2	
24	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a		4.5	1.6		1.6	2.7		n/a	1.1	
25	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a		3.3	1.4		1.4	2.4		n/a	1.1	
26	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	4.0	n/a		2.8		1.3		2.3		n/a	1.1	
27	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1.0	n/a		n/a		1.2		2.2		n/a	1.1	
28	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a		n/a		1.2		2.2		n/a	1.1	
29	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a		n/a	8.0	1.5	8.5	2.3		n/a	1.0	
30	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a		1.4	1.2		1.2	2.4		n/a	1.0	
31	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	32.5	2.1	33.0	1.7		2.1	7.0	n/a	1.0	
total	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	58.5	n/a	321.0	n/a	168.0	84.9	181.0	93.5	76.5	n/a	43.0	n/a

■ 1日のうち一部をバックアップ水位計の値より計算

付表 - 2. 東山流域の日降水量と日流出量(つづき)

HIGASHIYAMA 2002

unit: mm/day

annual precipitation: 1335.5

annual runoff:

600.9

day	January	February	March	April	May	June	July	August	September	October	November	December												
rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff											
1	1.0	1.9	1.4	3.2	6.0	2.5	1.5	18.5	3.4	0.8	0.5	96.0	14.7	14.5	1.6	0.7								
2	1.0	1.9	1.3	2.7	2.0	2.0	1.2	5.5	2.2	1.5	0.4	7.3	3.0	0.5	1.2	0.7								
3	1.1	12.5	2.4	2.4	1.9	1.2	1.4	1.2	1.8	0.8	0.3	3.0	3.0	0.5	1.1	0.7								
4	1.1	2.0	1.2	2.1	7.0	2.0	1.2	1.5	1.5	2.5	0.3	1.9	1.9	1.0	1.0	2.2								
5	4.0	1.3	1.5	1.9	17.0	1.4	1.1	2.5	1.3	0.8	0.3	1.4	1.4	3.0	1.0	1.4								
6	2.0	1.2	1.5	1.9	25.5	4.7	11.5	2.0	1.7	0.7	48.0	2.4	20.0	1.4	0.9	1.0								
7	11.5	1.2	1.8	1.8	15.0	3.6	12.0	1.1	1.3	0.6	3.5	1.2	8.5	3.1	0.9	4.5								
8	1.5	1.8	1.7	2.0	4.0	2.3	1.0	1.1	0.5	0.8	3.0	1.8	3.0	1.8	0.5	10.0								
9	1.0	1.4	1.7	1.8	2.2	1.9	0.9	1.0	10.5	0.9	0.6	1.6	2.0	0.9	0.9	7.5								
10	5.5	1.5	1.6	1.7	2.0	2.5	0.9	24.5	2.2	0.7	0.5	1.3	0.5	0.8	1.4	1.4								
11	8.0	1.6	0.5	1.6	11.5	2.1	1.6	26.5	1.7	0.6	0.5	1.2	2.0	0.8	1.2	1.2								
12	2.5	1.5	1.0	1.7	10.0	3.3	3.2	2.5	1.9	1.5	5.0	0.7	1.1	0.9	1.1	1.1								
13	1.6	3.5	1.6	2.4	2.4	2.6	1.2	19.0	2.1	1.1	0.6	1.0	1.0	0.8	1.0	1.0								
14	1.5	1.0	1.6	2.0	4.5	2.3	1.1	1.6	1.6	0.8	0.5	1.0	1.0	0.7	0.9	0.9								
15	2.5	1.5	1.5	1.9	2.0	2.2	1.2	9.5	1.7	3.1	0.5	9.5	1.1	0.7	0.9	0.9								
16	10.0	1.9	1.5	1.5	11.5	2.9	1.2	27.5	4.1	1.5	3.0	0.5	1.2	0.7	0.7	8.5								
17	1.7	1.5	1.6	1.4	18.5	3.3	1.1	10.5	3.4	1.0	9.0	0.7	0.9	0.5	1.3	1.0								
18	1.5	0.5	1.5	1.4	20.0	6.3	1.8	3.0	2.7	0.9	0.5	0.6	0.9	0.7	0.7	1.0								
19	1.4	1.5	1.5	1.3	2.5	4.7	1.3	10.0	2.9	1.1	0.4	4.5	0.9	0.7	1.0	1.0								
20	1.4	1.5	1.5	1.3	2.3	3.8	1.5	2.2	2.2	0.7	0.4	23.5	1.5	0.7	0.7	1.0								
21	55.5	7.7	1.5	0.5	3.5	3.3	0.5	1.9	1.9	0.6	0.4	26.0	4.5	0.7	0.6	3.2								
22	0.5	4.8	1.0	1.3	3.3	3.0	1.1	1.6	1.6	0.6	0.4	2.7	2.7	0.6	0.6	3.0								
23	3.4	3.4	1.4	1.2	2.9	2.7	1.0	1.5	1.5	0.6	0.3	1.8	1.8	0.6	2.1	2.1								
24	2.7	1.3	1.1	2.7	2.7	2.2	1.0	1.4	1.4	0.6	0.3	2.0	1.7	0.6	1.8	1.8								
25	2.5	1.3	1.1	1.0	2.6	2.0	1.5	1.2	1.2	0.5	0.3	1.3	1.3	13.5	0.9	1.6								
26	8.0	2.3	1.2	1.1	2.3	1.8	1.5	1.1	1.1	0.5	0.3	1.3	1.3	0.5	0.9	1.4								
27	16.5	3.6	1.2	2.1	2.5	1.8	2.0	1.9	1.1	0.5	1.5	0.3	1.2	0.5	0.8	0.5								
28	1.0	2.8	1.8	2.0	1.7	1.7	1.4	1.0	1.0	0.4	39.0	2.3	1.1	0.7	1.3	1.3								
29	0.5	2.5	47.5	3.5	1.9	1.6	6.0	1.4	1.0	0.4	0.5	0.9	0.5	1.1	0.5	0.7								
30	1.0	2.3	12.5	9.6	7.0	6.5	1.4	1.0	0.9	0.4	6.5	0.9	1.0	0.7	1.2	1.2								
31	0.5	2.1	4.1	2.0	2.0	1.6	0.9	5.5	0.4	0.4	0.4	1.0	1.0	0.7	1.1	1.1								
total	132.0	64.9	38.5	45.6	143.5	62.5	110.0	75.4	126.5	80.2	117.0	39.9	132.0	54.1	88.0	25.3	116.5	19.1	193.5	67.0	38.0	24.9	100.0	42.0

1日のうち一部をバックアップ水位計の値より計算
1日すべてをバックアップ水位計の値より計算

付表 - 2 . 東山流域の日降水量と日流出量 (つづき)

HIGASHIYAMA 2003

unit: mm/day n/a : data not available

annual precipitation: 2175.0

annual runoff:

n/a

day	January rain runoff	February rain runoff	March rain runoff	April rain runoff	May rain runoff	June rain runoff	July rain runoff	August rain runoff	September rain runoff	October rain runoff	November rain runoff	December rain runoff											
1	1.1	1.5	2.2	8.9	2.0	4.9	13.0	6.1	53.0	6.4	5.1	3.5	2.7	1.5	0.5	n/a							
2	1.0	1.5	2.0	11.7	2.4	4.5	3.1	1.0	7.9	7.0	4.5	3.2	2.6	1.5		n/a							
3	29.5	1.7	1.9	10.5	7.8	0.5	4.2	2.5	35.5	7.0	4.0	2.9	2.3	26.5	2.4	n/a							
4	2.6	1.8	1.8	5.6	9.0	2.2	3.9	2.3	11.3	11.3	3.7	2.7	2.2	2.2		n/a							
5	1.6	1.7	1.7	5.0	32.0	5.5	3.6	2.1	2.0	7.1	3.4	2.6	2.1	0.5	1.8	n/a							
6	1.5	1.6	1.6	9.5	4.7	4.0	3.5	1.9	10.5	7.2	3.1	2.5	2.2	7.5	2.1	3.5							
7	0.5	1.4	1.6	17.0	5.2	3.2	8.5	3.6	1.8	5.0	7.0	2.3	2.0	1.7	3.2	2.9							
8	1.3	25.0	1.8	4.7	30.5	5.4	54.0	11.0	1.6	6.5	5.6	12.5	3.6	1.9	1.6	2.7							
9	1.2	2.0	3.7	n/a	4.8	6.8	5.1	1.5	5.0	5.3	113.5	2.1	1.8	0.5	1.5	2.7							
10	0.5	1.2	2.3	n/a	3.8	3.8	3.8	2.0	1.6	6.0	14.4	13.5	2.1	1.7	16.5	2.0							
11	1.2	10.0	2.5	n/a	4.0	4.5	1.0	1.6	17.0	4.7	9.3	2.1	0.5	1.6	14.0	3.1							
12	1.1	2.3	2.3	n/a	4.8	0.5	4.1	2.0	1.5	26.0	10.2	1.9	0.5	1.6	2.5	6.0							
13	1.1	2.1	2.1	n/a	4.7	3.7	6.0	1.8	32.0	10.4	7.3	0.5	1.8	49.0	6.3	1.0							
14	0.5	1.1	1.9	n/a	3.9	11.0	3.8	12.5	2.0	19.0	14.4	62.5	15.0	1.7	26.0	4.6							
15	1.0	1.8	1.8	n/a	3.6	14.5	4.5	0.5	1.8	10.7	41.5	28.0	1.6	2.0	4.8	1.5							
16	1.0	14.0	2.5	15.5	2.9	3.2	0.5	4.2	12.5	2.0	8.4	3.0	15.8	3.3	0.5	1.8							
17	1.0	2.3	1.5	3.0	3.0	3.6	10.5	2.9	6.8	9.0	12.7	1.4	2.7	1.6	1.6	2.2							
18	3.0	1.0	2.1	2.5	2.8	3.3	15.5	2.9	5.9	2.0	10.4	1.4	2.4	1.5	2.1	2.1							
19	0.5	1.0	2.0	2.4	2.7	0.5	3.1	1.0	2.7	5.3	9.0	1.3	2.2	6.5	1.7	2.1							
20	0.9	1.7	1.9	2.2	33.0	3.8	6.0	1.5	2.4	2.5	7.7	45.0	3.2	2.1	27.0	2.5							
21	0.9	9.5	1.8	2.1	1.5	4.6	2.9	2.6	2.0	20.5	6.6	16.0	4.9	8.5	2.2	12.0							
22	0.9	9.5	1.8	2.1	3.4	1.8	1.8	4.9	4.9	2.0	5.8	2.8	2.0	3.8	3.1	0.5							
23	17.0	1.7	2.0	2.0	25.0	3.8	2.4	0.5	1.7	54.0	7.4	5.1	0.5	2.2	2.7	2.6							
24	0.5	1.3	14.0	2.4	7.0	36.5	15.0	2.3	39.5	4.3	6.5	4.6	34.5	4.3	2.4	2.0							
25	1.1	2.2	25.0	4.2	21.5	10.0	2.2	46.0	13.9	8.0	4.3	71.5	17.3	2.2	33.5	5.3							
26	0.5	2.0	2.0	2.9	12.0	11.1	1.5	2.2	0.5	6.7	6.4	42.5	5.7	2.0	4.1	1.0							
27	68.5	9.5	1.9	4.0	2.6	8.3	0.5	2.2	5.0	4.6	5.4	9.5	8.1	1.9	3.4	2.3							
28	1.0	6.0	1.8	2.4	2.4	14.5	4.6	0.5	4.9	5.0	5.4	4.4	1.8	1.5	3.0	0.5							
29	3.5	5.7	2.2	2.2	5.7	1.9	4.2	3.0	4.7	0.5	4.7	3.5	1.7	41.0	4.1	0.5							
30	2.8	2.1	2.1	11.5	5.9	1.8	3.3	39.0	8.6	3.0	4.1	3.0	1.6	20.5	15.2	2.0							
31	1.0	2.5	2.0	47.0	47.0	3.6	6.1	2.5	3.9	1.6	2.5	3.9	1.6	2.0	2.0	2.0							
total	122.5	56.2	79.5	57.8	159.5	n/a	256.5	145.9	148.5	115.2	182.0	93.2	346.0	229.8	263.8	181.5	101.7	111.5	77.0	212.5	87.0	46.0	65.2

1日のうち一部をバックアップ水位計の値より計算
1日すべてをバックアップ水位計の値より計算

付表 - 2. 東山流域の日降水量と日流出量(つづき)

HIGASHIYAMA 2004

unit: mm/day

n/a : data not available

annual precipitation: n/a

annual runoff:

n/a

day	January		February		March		April		May		June		July		August		September		October		November		December	
	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff
1	1.9	1.1	1.1	1.0	1.0	1.0	2.5	2.5	2.9	2.0	3.5	1.5	n/a	3.0	1.3	3.0	n/a	n/a	9.1	12.0	8.8	n/a	n/a	
2	1.8	1.3	1.3	1.2	1.2	1.2	2.8	2.8	2.6	2.0	3.1	1.5	n/a	1.0	1.0	61.5	n/a	n/a	6.7	7.1	6.1	n/a	2.2	
3	1.7	1.2	1.2	1.1	1.1	1.1	2.3	1.5	2.5	2.6	2.9	2.9	n/a	1.0	1.0	n/a	n/a	n/a	13.0	13.0	6.2	n/a	2.2	
4	1.7	1.1	1.1	1.0	1.0	1.0	2.5	41.5	5.6	2.6	2.6	2.6	n/a	0.9	19.5	n/a	n/a	2.0	5.6	5.5	n/a	4.7		
5	1.6	1.1	1.1	1.0	1.0	1.0	2.3	1.0	4.8	2.4	2.4	13.0	n/a	3.5	1.0	19.5	n/a	n/a	50.0	11.7	0.5	n/a	37.1	
6	1.6	1.5	1.1	4.0	1.3	1.3	2.1	3.6	25.5	3.0	3.0	3.0	n/a	1.0	79.0	20.2	4.5	n/a	9.0	4.5	4.5	n/a	13.8	
7	1.5	2.5	1.1	1.1	1.1	1.1	1.9	1.9	3.1	11.5	5.0	3.6	n/a	n/a	n/a	n/a	5.5	n/a	6.8	4.2	4.2	n/a	8.2	
8	1.5	1.0	1.0	1.1	1.1	1.1	2.5	1.8	2.8	4.0	3.6	3.6	n/a	n/a	n/a	n/a	5.5	n/a	11.2	3.9	3.9	n/a	6.4	
9	1.5	1.0	1.0	1.1	1.1	1.1	1.6	14.5	3.1	3.0	3.0	3.0	n/a	n/a	n/a	n/a	n/a	109.0	63.8	3.6	n/a	5.7		
10	1.4	1.0	1.0	1.1	1.1	1.1	1.5	46.0	8.3	2.6	2.6	27.5	n/a	n/a	n/a	0.5	n/a	5.0	27.0	3.4	n/a	4.8		
11	1.4	1.0	1.0	1.0	1.0	1.0	1.4	1.4	n/a	31.5	4.1	0.5	n/a	n/a	n/a	n/a	2.6	n/a	15.8	n/a	4.3	n/a	4.3	
12	1.4	0.5	1.0	1.0	1.0	1.0	1.4	1.4	n/a	n/a	4.1	4.1	2.5	n/a	n/a	n/a	n/a	2.3	0.5	11.5	n/a	6.6	4.2	
13	0.5	1.4	0.5	1.0	1.0	1.0	1.3	34.0	6.3	3.1	3.1	3.1	2.4	n/a	n/a	n/a	n/a	2.1	9.5	n/a	n/a	n/a	4.2	
14	0.5	1.4	3.5	1.1	1.0	1.0	7.5	5.5	7.7	2.6	2.6	2.1	2.1	n/a	n/a	n/a	n/a	2.0	8.4	n/a	n/a	n/a	3.9	
15	1.3	5.0	1.3	1.3	0.9	0.9	1.4	3.5	5.6	2.3	2.3	1.9	1.9	13.0	n/a	n/a	n/a	1.9	7.1	n/a	n/a	n/a	3.7	
16	1.3	1.1	1.1	1.0	0.9	0.9	1.3	49.0	11.8	2.1	2.1	1.8	1.8	n/a	n/a	n/a	n/a	1.8	6.3	n/a	n/a	n/a	3.6	
17	2.0	1.4	1.0	1.0	0.9	0.9	1.2	1.2	9.8	2.0	2.0	1.0	1.7	45.0	n/a	n/a	0.5	1.7	5.6	n/a	n/a	n/a	3.3	
18	2.5	1.4	1.0	14.0	1.5	1.5	1.2	7.5	7.5	1.9	1.9	8.0	2.0	n/a	n/a	n/a	6.0	1.9	5.0	n/a	n/a	n/a	3.2	
19	19.5	2.3	1.0	1.1	1.1	1.1	51.5	2.8	19.0	1.8	1.8	1.7	1.7	n/a	n/a	n/a	2.5	1.7	7.3	n/a	n/a	n/a	3.1	
20	1.6	0.5	0.9	1.0	1.0	1.0	5.5	36.5	8.5	7.5	2.8	1.5	1.5	n/a	n/a	n/a	n/a	1.6	112.5	34.4	n/a	n/a	3.1	
21	1.5	0.9	0.9	1.0	1.0	1.0	2.8	20.0	18.8	79.5	13.9	1.4	1.4	n/a	n/a	n/a	1.8	1.8	25.6	n/a	n/a	n/a	2.9	
22	1.4	26.5	1.3	21.0	1.8	1.8	2.5	2.5	10.2	8.7	8.7	1.3	1.3	3.5	n/a	n/a	3.0	2.3	13.0	n/a	n/a	n/a	2.9	
23	1.3	1.3	n/a	1.6	1.6	1.6	2.5	2.0	8.2	5.1	5.1	1.3	1.3	12.5	n/a	n/a	4.0	1.7	9.7	n/a	n/a	n/a	2.8	
24	0.5	1.3	n/a	1.4	1.4	1.4	2.4	2.4	6.8	0.5	4.1	1.2	1.2	2.5	n/a	n/a	22.5	2.9	8.4	n/a	n/a	n/a	2.7	
25	1.3	1.3	n/a	1.5	1.3	1.3	2.3	2.3	5.8	33.5	6.1	3.5	3.5	1.3	n/a	n/a	1.5	2.3	7.3	n/a	n/a	n/a	2.6	
26	1.2	1.2	n/a	2.0	1.5	1.5	2.2	2.2	5.2	2.0	5.7	1.2	1.2	n/a	n/a	n/a	24.5	3.8	10.5	n/a	n/a	n/a	2.5	
27	1.2	1.2	n/a	1.4	1.4	1.4	70.5	11.1	4.6	4.7	4.7	1.1	1.1	n/a	n/a	n/a	49.0	12.0	6.1	n/a	n/a	n/a	2.4	
28	1.2	1.2	n/a	1.4	1.4	1.4	6.2	6.2	4.2	1.0	4.1	1.1	1.1	n/a	n/a	n/a	2.0	6.7	5.5	n/a	n/a	n/a	2.3	
29	1.2	21.5	n/a	1.4	1.4	1.4	4.2	4.2	3.9	10.0	3.7	1.0	1.0	12.5	n/a	n/a	80.5	14.6	5.0	n/a	n/a	n/a	2.4	
30	1.1	1.1	n/a	45.0	3.6	3.6	3.4	3.4	3.6	19.5	7.0	0.5	0.5	7.5	n/a	n/a	7.0	18.4	7.0	n/a	n/a	n/a	2.2	
31	1.1	69.5	n/a	4.2	4.2	4.2	6.0	6.0	3.8	3.8	13.5	13.5	1.3	18.5	n/a	n/a	10.5	11.8	10.5	n/a	n/a	n/a	2.7	
total	25.5	44.9	69.5	n/a	88.5	n/a	758.5	79.9	280.0	n/a	241.0	121.6	69.0	200.5	n/a	332.0	n/a	472.0	374.5	n/a	n/a	n/a	n/a	n/a

1日のうち一部をバックアップ水位計の値より計算
1日すべてをバックアップ水位計の値より計算

付表 - 2 . 東山流域の日降水量と日流出量 (つづき)

HIGASHIYAMA 2005

unit: mm/day

n/a : data not available

annual precipitation: n/a

annual runoff:

n/a

day	January		February		March		April		May		June		July		August		September		October		November		December	
	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff
1	n/a	2.4	n/a	1.1	n/a	1.3	n/a	2.8	n/a	1.6	n/a	0.9	29.0	3.4	2.0	1.3	1.5		0.5	1.1	1.1	1.0	1.0	0.7
2	n/a	2.1	n/a	1.2	n/a	1.2	n/a	2.6	n/a	1.7	n/a	1.1	24.0	2.8		1.1	1.3	1.3	0.5	1.1	1.1	1.0	1.0	0.8
3	n/a	2.0	n/a	1.2	n/a	1.2	n/a	2.6	n/a	1.3	n/a	1.1	24.0	2.8		1.0	1.2	1.2		1.1	1.5	1.0	0.5	0.7
4	n/a	2.0	n/a	1.1	n/a	1.6	n/a	2.4	n/a	1.3	n/a	0.9	69.5	14.7		0.9	29.0	2.5	12.0	1.5	1.0	1.0	7.5	0.8
5	n/a	1.8	n/a	1.2	n/a	1.3	n/a	2.3	n/a	1.2	n/a	0.9	6.0	11.6	58.0	3.7	62.0	12.2	9.5	1.6		0.9	0.8	
6	n/a	1.9	n/a	1.1	n/a	1.2	n/a	2.2	n/a	2.3	n/a	0.8		6.1	11.0	3.2	1.5	6.7	1.5	1.5	39.5	2.4	5.0	1.0
7	n/a	1.8	n/a	1.1	n/a	1.2	n/a	2.3	n/a	4.6	n/a	0.8		4.2		2.1	36.5	10.3	4.5	1.3	1.0	2.8	3.0	0.8
8	n/a	1.7	n/a	1.7	n/a	1.1	n/a	2.0	n/a	2.7	n/a	0.8		3.2		1.7	6.5	13.0	1.8	1.7		1.5	0.7	
9	n/a	1.6	n/a	1.5	n/a	1.1	n/a	1.8	n/a	2.1	n/a	0.7	13.0	3.4		1.5	4.7	0.5	1.7			1.4	0.7	
10	n/a	1.6	n/a	1.8	n/a	1.1	n/a	1.7	n/a	1.8	n/a	0.7		3.0	0.5	1.4	3.8	6.0	1.7			1.4	0.7	
11	n/a	1.5	n/a	1.4	n/a	2.1	n/a	1.9	n/a	1.6	n/a	1.0	0.5	2.5		1.2	3.3			1.5	3.0	1.3	0.7	
12	n/a	1.5	n/a	1.3	n/a	1.6	n/a	2.4	n/a	2.2	n/a	0.9	7.5	2.7	44.5	6.4	2.9			1.4	3.5	1.6	0.7	
13	n/a	1.4	n/a	1.2	n/a	1.4	n/a	2.5	n/a	2.0	n/a	0.7		2.3	4.5	3.7	2.6			1.3	1.4	1.4	0.7	
14	n/a	1.4	n/a	1.2	n/a	1.3	n/a	2.0	n/a	1.7	n/a	0.7	2.0	2.1	2.6	24.5	3.8			1.2		1.3	0.7	
15	n/a	1.7	n/a	1.1	n/a	1.2	n/a	1.8	n/a	1.6	n/a	1.0		1.9	3.5	2.1	3.3	25.0	1.9	1.2		1.2	2.0	0.7
16	n/a	1.9	n/a	1.7	n/a	1.2	n/a	1.7	n/a	1.4	n/a	1.5		1.8		1.8	4.0	3.2	3.0	2.1		1.2	1.0	0.7
17	n/a	1.5	n/a	1.4	n/a	1.5	n/a	1.6	n/a	1.4	n/a	1.0		1.7		1.7	2.7	21.0	2.5			1.1	2.0	0.7
18	n/a	1.4	n/a	1.5	n/a	1.5	n/a	1.6	n/a	1.5	n/a	0.9	1.0	1.6	4.0	1.8	n/a	6.0	2.7			0.9	0.7	
19	n/a	1.4	n/a	2.9	n/a	1.3	n/a	1.5	n/a	1.6	n/a	0.9		1.5	12.0	1.9	n/a		2.0			0.9	0.7	
20	n/a	1.4	n/a	2.5	n/a	1.2	n/a	2.0	n/a	1.4	n/a	0.8		1.4	4.0	1.7	n/a		1.7			0.8	1.5	0.7
21	n/a	1.3	n/a	2.0	n/a	1.2	n/a	2.0	n/a	1.3	n/a	0.8		1.3	20.5	2.7	n/a		n/a			0.8	4.0	0.7
22	n/a	1.3	n/a	1.8	n/a	3.8	n/a	1.7	n/a	1.7	n/a	1.4		1.2	1.0	2.3	n/a		n/a			0.8	4.0	0.7
23	n/a	1.3	n/a	1.6	n/a	6.2	n/a	1.6	n/a	1.6	n/a	1.6		1.3	7.0	2.5	n/a		n/a			0.8	2.0	0.8
24	n/a	1.2	n/a	1.5	n/a	4.4	n/a	1.5	n/a	1.3	n/a	1.1	17.0	2.2	1.0	2.2	1.5	0.5	1.2			0.8	1.5	0.8
25	n/a	1.2	n/a	1.5	n/a	3.4	n/a	1.5	n/a	1.2	n/a	0.9	1.0	1.4		1.6	1.4		1.4			0.8	1.0	0.7
26	n/a	1.2	n/a	1.4	n/a	2.9	n/a	1.5	n/a	1.1	n/a	0.8	9.0	1.7		1.3	1.3		1.1			0.8	0.5	0.8
27	n/a	1.1	n/a	1.3	n/a	2.5	n/a	1.4	n/a	1.1	n/a	0.8		1.3		1.2	1.5	1.2	10.5	1.6		0.8	0.5	0.7
28	n/a	1.1	n/a	1.3	n/a	4.2	n/a	1.3	n/a	1.0	n/a	0.7		1.1		1.1	1.0	1.4	1.2			0.8	0.5	0.7
29	n/a	1.1			n/a	4.2	n/a	1.3	n/a	1.0	n/a	1.1		1.0		1.0	1.3	8.0	1.4	1.0		0.8	0.5	0.7
30	n/a	1.2			n/a	3.4	n/a	1.3	n/a	1.0	n/a	4.9		1.0	30.0	2.3		1.2				0.7	1.5	0.7
31	n/a	1.1			n/a	3.0	n/a	1.3	n/a	1.0	n/a	1.0	7.5	1.1	0.5	1.9	1.2		1.0	1.1		0.7	1.5	0.7
total	n/a	47.1	n/a	41.6	n/a	65.8	n/a	56.8	n/a	50.3	n/a	32.2	187.0	89.7	204.0	62.9	160.0	n/a	123.0	46.9	49.5	34.4	35.0	22.8

■ 1日のうち一部をバックアップ水位計の値より計算

付表 - 2. 東山流域の日降水量と日流出量 (つづき)

HIGASHIYAMA 2006

unit: mm/day

n/a : data not available

annual precipitation: 1885.0

annual runoff:

n/a

day	January	February	March	April	May	June	July	August	September	October	November	December														
rain runoff	rain runoff	rain runoff	rain runoff	rain runoff	rain runoff	rain runoff	rain runoff	rain runoff	rain runoff	rain runoff	rain runoff	rain runoff														
1	3.5	0.7	29.0	2.5	5.2	2.0	2.5	35.5	8.2	0.5	4.2	36.0	3.4	8.5	1.4	0.8										
2	11.0	1.2	0.5	1.9	5.6	3.5	2.5	2.5	5.5	2.3	3.9	1.8	14.5	2.1	0.8	0.8										
3	2.0	1.0		1.5	4.2	3.1	2.4	0.5	4.6		3.6		1.5	1.7	0.8	0.8										
4	1.5	0.9		1.4	3.6	3.0	2.4	3.0	3.7		3.3		1.3	2.5	1.6	0.8										
5	0.8	0.8	1.5	1.4	3.2	11.0	3.2	1.9	4.3		3.1		1.2	5.0	1.6	0.7										
6	0.7	2.0	1.4	15.5	4.0	2.8	1.0	1.9	n/a		2.8	13.0	1.5	24.5	3.4	4.5	1.0	0.7								
7	0.7	8.0	1.7		3.3	2.5	115.5	25.9			2.6	13.0	2.3		2.2	1.5	0.9	1.0	0.7							
8	0.7		1.4		3.0	1.0	2.4	1.0	19.6	6.0	3.4		1.6		1.7		0.8	3.0	0.8							
9	0.7		1.3		2.8	2.8	4.5	8.0	13.5	3.0	3.4	10.5	2.8	0.5	1.3	1.5	0.8	12.5	1.2							
10	1.5	0.7		1.2	4.5	2.7	7.5	9.0	6.1	2.1	3.1		2.5	7.0	1.4	1.5	0.8	0.8	1.0							
11	3.0	0.7	0.5	1.1	2.2	51.5	6.0	15.0	9.0	2.5	2.0	5.5	1.3	14.0	2.0	8.5	n/a		0.9							
12	1.5	0.7		1.1	3.0	2.2	0.5	6.4	6.0	1.9	9.0	3.1	4.5	1.4	1.6		n/a	0.5	0.8							
13	7.0	0.7		1.0	2.0	4.5	19.0	6.3		1.8	4.0	2.9	3.1	46.0	4.2	1.4	n/a	9.5	1.1							
14	38.5	5.3	1.5	1.0	2.0	3.8	0.5	5.8		1.7	2.5	2.4	22.0	8.3	1.3	2.5	n/a	5.5	1.1							
15		3.4	2.0	1.0	1.9	4.0	3.5	4.9	64.0	3.6	1.5	2.3	2.1	0.5	4.0	1.3	n/a	2.0	1.2							
16	0.5	2.2	7.0	1.3	41.0	4.1	3.0	3.4	2.5	4.5	76.0	33.5	31.0	4.7	1.9	0.5	3.0	n/a	1.0							
17	0.5	1.7		1.1	0.5	4.8	3.0	16.0	4.7	29.5	10.5	34.0	6.1	18.0	2.3	1.0	2.5	n/a	0.9							
18		1.5		1.0	6.0	3.4	2.8	4.5	5.2	11.5	11.8	54.0	13.8	0.5	2.4	32.0	5.8	1.0	0.7	0.9						
19		1.3		1.0	3.5	3.5	2.9	7.0	4.8		7.9	54.0	31.5	1.8	1.7		3.6	1.1	13.5	0.9						
20		1.2	21.5	1.9	2.9	27.5	4.9	8.0	5.2		5.9	24.0	16.1		1.7		2.9	1.0	20.0	2.6	0.8					
21	0.5	1.2		1.7	2.7	4.0	3.8		4.4		4.9	31.0	20.2	4.5	1.8	2.4		2.2	5.5	1.0	1.2	0.8				
22		1.1	0.5	1.4	9.5	2.7	3.0	27.0	4.0	30.0	6.5		13.9	12.5	2.0	2.2	2.0	2.2	5.5	1.0	1.0	0.8				
23		1.1	0.5	1.3	3.5	3.1	3.0		5.7		5.6	11.5	11.3	1.9	1.6	1.8	1.8	1.8	15.0	2.6	0.9	0.8				
24		1.0	0.5	1.2	2.6	2.8	2.8		5.4		4.6	13.0	11.7		1.5	1.7		1.7		0.9	0.8	0.8				
25		1.0	56.5	7.5	2.3	2.6	2.4		4.4	0.5	4.2	1.0	9.3		1.5	6.0	1.7	1.4	6.0	1.7	1.4	5.5	0.8	79.5	4.6	10.6
27		1.0		5.1	2.1	0.5	2.1	0.5	3.7		4.8		6.8		1.3	4.0	1.7	1.1	8.5	1.3	4.0	1.0	0.5	1.0	3.6	3.6
28		0.9	1.5	3.7	12.5	2.5	2.2	1.5	3.6		4.2		5.9	4.5	1.5	1.4	1.5	1.0	0.5	1.0	0.9	0.9	0.9	2.6	2.6	2.6
29		0.9			0.5	2.4	2.2		3.2		3.7	0.5	5.4	3.5	1.3	1.3	0.5	1.0	0.9	0.9	0.9	0.9	2.2	2.2	2.2	2.2
30	2.0	1.0			5.0	2.3	2.1		3.0		3.5		4.9	0.5	1.3	1.3	0.5	1.0	0.9	0.9	0.9	0.9	2.2	2.2	2.2	2.2
31	2.5	1.0			2.1		2.1		2.7		4.6		4.6		1.1			1.3	0.9	0.9	0.9	0.9	2.2	2.2	2.2	2.2
total	75.5	38.0	131.0	50.4	736.0	93.8	738.5	94.5	242.5	172.2	260.0	151.5	337.0	71.8	101.0	191.5	71.8	101.0	45.4	65.0	n/a	117.5	47.5	47.5	47.5	47.5

1日のうち一部をバックアップ水位計の値より計算
1日すべてをバックアップ水位計の値より計算

付表 - 2 . 東山流域の日降水量と日流出量 (つづき)

HIGASHIYAMA 2007

unit: mm/day

n/a : data not available

annual precipitation: 1592.5

annual runoff: n/a

day	January		February		March		April		May		June		July		August		September		October		November		December	
	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff
1	2.0	1.1	1.2	2.0	3.5	20.0	1.8	1.5	2.0	2.0	2.1	2.0	2.0	2.4	3.5	2.4	6.5	2.2	3.0	1.8	0.9			
2	1.9	1.1	1.2	7.0	2.6	3.0	1.6	1.4	10.0	2.4	2.1	2.1	2.1	1.9	3.2	1.5	2.0	2.0	1.7	1.5	0.8			
3	1.8	1.0	1.1	1.1	2.3	1.6	1.4	1.3	2.0	2.1	2.5	3.1	1.8	1.6	3.1	1.6	1.8	1.8	1.7	8.5	1.1			
4	1.5	1.0	1.1	1.5	2.2	1.3	1.3	1.3	4.5	2.0	7.0	2.9	1.5	1.5	2.9	1.5	0.5	1.6	1.5	1.5	0.9			
5	1.5	1.0	1.0	2.3	2.0	1.2	1.2	1.2	1.0	2.0	0.5	2.6	2.6	26.5	2.7	3.0	1.7	6.5	1.4	0.8				
6	26.5	2.9	1.7	1.9	35.5	3.9	1.1	1.1	1.7	1.7	2.4	2.4	7.5	2.6	1.5	2.0	1.7	1.5	2.0	1.7	0.8			
7	2.3	0.9	1.5	8.5	2.1	1.0	2.7	1.1	1.6	1.6	1.6	2.3	3.0	2.0	1.4	1.4	1.4	1.4	1.4	1.4	0.8			
8	3.0	0.9	1.4	1.4	2.0	1.9	1.9	1.6	23.0	1.6	1.6	2.2	1.6	1.6	1.6	11.5	1.9	1.3	1.3	0.8				
9	2.0	1.0	1.3	1.3	1.8	1.7	1.7	3.0	22.5	1.5	1.5	2.0	1.5	1.5	2.0	1.5	7.5	2.0	1.3	0.8				
10	4.0	0.9	2.0	1.3	1.7	13.0	2.3	3.2	34.5	2.8	1.9	1.9	12.5	3.7	1.6	1.6	1.0	1.2	1.2	0.7				
11	3.0	0.9	2.0	n/a	1.6	1.6	1.9	2.2	4.0	3.2	1.8	1.8	43.5	3.7	1.5	12.0	1.9	1.5	1.5	2.5	0.8			
12	3.0	0.9	1.5	n/a	1.6	1.6	1.6	1.7	63.5	12.0	1.6	1.6	42.0	17.8	1.4	1.4	1.6	1.4	1.6	1.6	0.8			
13	1.0	0.8	n/a	n/a	1.6	1.5	1.5	1.5	11.5	9.4	1.5	1.6	1.0	5.7	1.2	1.2	1.2	1.2	1.4	9.0	1.2			
14	1.6	1.4	n/a	n/a	1.7	1.4	1.4	1.8	108.5	32.2	1.5	1.5	7.0	4.0	1.2	1.2	1.2	1.2	1.3	0.9	0.8			
15	1.6	1.3	n/a	n/a	1.5	1.7	1.3	1.3	41.0	47.1	1.5	1.5	4.0	3.4	1.5	1.5	1.2	1.2	1.2	1.2	0.8			
16	1.5	1.1	n/a	n/a	1.5	1.0	1.2	1.4	0.5	17.5	1.4	1.4	21.0	4.3	1.1	1.1	1.1	1.1	1.1	1.1	0.8			
17	4.0	1.2	n/a	0.5	1.5	38.5	4.0	1.3	28.5	14.7	1.3	1.3	1.0	3.6	1.1	1.1	1.1	1.1	1.1	1.1	0.8			
18	1.6	3.9	n/a	8.0	1.5	1.5	2.4	1.9	9.8	9.8	1.2	1.2	3.0	3.0	1.1	1.1	1.1	1.1	1.1	1.1	0.8			
19	1.5	2.1	n/a	1.5	1.7	1.0	1.9	1.5	1.5	8.5	2.1	2.1	2.8	2.6	1.1	1.1	1.1	1.1	1.1	1.1	0.8			
20	1.4	1.7	n/a	n/a	1.5	1.7	1.7	1.3	5.5	8.2	1.6	1.6	n/a	n/a	2.1	2.1	2.1	2.1	2.1	2.1	0.7			
21	1.5	1.5	n/a	n/a	1.4	1.4	1.5	1.2	17.5	n/a	1.3	1.3	n/a	n/a	1.5	1.5	1.5	1.5	1.5	1.5	0.7			
22	1.4	1.4	n/a	n/a	1.5	1.5	1.4	2.1	0.5	n/a	2.0	2.0	1.9	1.9	1.3	1.3	1.3	1.3	1.3	1.3	1.3			
23	1.3	1.6	n/a	2.5	2.0	1.3	1.3	1.9	1.9	n/a	33.0	3.7	1.8	1.8	1.2	1.2	1.2	1.2	1.2	1.2	2.9			
24	1.3	1.3	42.5	2.7	0.5	1.5	1.2	48.0	4.7	n/a	0.5	1.9	0.5	1.7	1.1	1.1	1.1	1.1	1.1	1.4	1.4			
25	1.2	1.2	29.0	9.8	1.5	51.0	4.2	6.0	6.5	n/a	1.3	1.3	1.5	1.7	1.1	1.1	1.1	1.1	1.1	1.0	1.2			
26	1.5	1.2	4.4	4.4	1.3	0.5	3.5	0.5	3.8	n/a	1.2	1.2	1.4	1.4	1.4	26.5	4.5	0.9	0.9	1.1	1.1			
27	1.2	1.3	3.3	3.3	1.2	1.2	2.3	2.9	2.9	n/a	1.2	1.2	1.4	1.4	1.4	26.5	4.5	0.9	0.9	1.0	1.0			
28	1.2	1.6	2.8	0.5	1.2	1.2	2.0	2.5	2.5	3.7	1.2	1.2	1.4	1.4	1.4	26.5	4.5	0.9	0.9	1.0	1.0			
29	1.1	1.1	2.5	2.5	1.2	1.2	2.0	2.7	2.7	3.7	1.2	1.2	1.4	1.4	1.4	26.5	4.5	0.9	0.9	1.0	1.0			
30	1.1	1.1	9.0	2.7	1.2	7.0	2.1	2.3	35.0	2.5	2.5	2.5	1.8	1.8	2.4	2.4	2.4	2.4	2.4	2.4	3.0			
31	1.1	1.1	15.0	2.4	1.1	7.0	2.1	2.3	35.0	2.5	2.5	2.5	1.8	1.8	2.4	2.4	2.4	2.4	2.4	2.4	3.0			
total	52.5	49.6	77.0	36.3	145.0	171.5	62.1	63.6	369.5	n/a	122.5	63.2	187.5	n/a	125.0	55.4	24.5	37.0	94.5	34.8				

1日のうち一部をバックアップ水位計の値より計算
1日すべてをバックアップ水位計の値より計算

付表 - 2 . 東山流域の日降水量と日流出量(つづき)

HIGASHIYAMA 2008

unit: mm/day

n/a : data not available

annual precipitation: 1725.5

annual runoff:

n/a

day	January	February	March	April	May	June	July	August	September	October	November	December										
rain runoff	rain runoff	rain runoff	rain runoff	rain runoff	rain runoff	rain runoff	rain runoff	rain runoff	rain runoff	rain runoff	rain runoff	rain runoff										
1	1.7	0.9	1.2	2.0	0.5	3.9	4.9	1.5	11.4	1.2	5.6	7.0	3.2	1.2	1.1							
2	1.0	1.5	0.8	1.8	1.7	3.6	12.5	4.7	n/a	1.2	3.5	4.5	2.6	1.2	1.0							
3	1.3	15.5	1.6	1.1	1.8	3.3	28.5	9.4	1.5	n/a	1.1	0.5	3.7	2.2	1.1							
4	1.2	1.2	1.0	1.6	1.6	3.1	6.8	5.9	1.0	3.0	3.3	2.0	2.0	1.1	0.9							
5	1.1	1.0	1.1	0.9	1.5	15.0	3.6	6.4	5.4	0.9	2.9	9.0	2.1	1.0	56.5							
6	1.1	1.1	1.1	0.9	1.4	3.2	6.0	3.5	5.9	1.8	2.6	5.5	2.4	1.0	4.6							
7	1.0	1.1	1.0	0.9	50.0	2.8	5.0	5.7	5.7	1.3	2.3	2.0	5.5	1.3	2.8							
8	0.5	1.1	1.0	0.9	34.0	13.7	2.6	4.6	11.5	1.2	2.1	2.5	1.9	1.0	2.4							
9	1.0	1.0	1.0	0.9	0.5	5.8	2.4	4.3	2.0	1.3	1.9	1.7	1.7	1.0	6.0							
10	1.0	7.0	1.3	1.2	33.5	6.7	3.9	3.9	4.7	1.0	1.8	1.6	1.6	1.0	1.9							
11	9.0	1.1	8.0	1.2	1.0	3.0	7.5	4.5	3.6	0.9	1.7	3.5	1.7	1.0	1.6							
12	8.5	1.7	12.5	1.7	0.9	5.4	5.4	3.0	10.5	0.8	1.5	1.5	1.5	0.9	1.5							
13	1.2	1.4	1.4	0.9	5.5	4.5	2.6	3.3	2.6	0.7	1.5	1.4	1.4	0.9	1.4							
14	1.1	1.2	22.5	1.8	11.0	5.3	29.0	5.2	2.9	2.4	5.5	1.5	20.5	2.2	0.9							
15	1.1	1.1	1.2	1.5	4.1	3.5	2.8	2.2	2.2	0.9	6.0	1.6	2.2	0.9	1.5							
16	1.0	1.1	1.1	1.2	3.6	3.0	2.7	2.1	2.1	0.7	7.0	2.2	1.6	10.0	1.3							
17	1.0	1.1	1.1	1.1	23.0	4.1	2.7	2.5	2.0	0.7	1.6	1.4	1.4	1.0	1.5							
18	1.0	1.0	1.0	1.0	21.0	7.5	2.4	2.5	4.0	0.6	10.5	1.9	1.3	0.9	1.3							
19	0.9	1.0	15.5	1.5	1.0	5.6	24.0	2.9	3.0	1.9	30.5	2.9	1.3	0.9	1.2							
20	0.9	1.0	30.5	4.7	0.5	4.6	48.0	14.3	31.0	3.4	1.7	1.5	2.6	1.2	1.2							
21	2.0	1.0	1.0	2.9	4.1	6.9	17.5	5.7	1.7	0.9	24.0	3.4	1.2	1.5	0.9							
22	0.9	1.0	1.0	2.2	3.7	5.3	29.5	7.5	1.6	0.8	0.5	3.4	1.1	0.9	1.2							
23	13.0	1.4	1.0	3.0	1.0	3.4	4.2	8.2	1.6	8.5	0.9	2.4	4.5	1.2	1.1							
24	1.1	0.9	22.5	3.9	56.5	10.1	27.0	4.4	1.0	6.3	1.5	60.0	7.5	2.0	38.0							
25	1.0	0.9	0.9	2.8	7.7	18.5	8.2	4.9	1.4	10.0	3.1	1.7	4.0	1.1	1.1							
26	0.9	24.5	1.7	2.3	17.0	7.4	5.4	0.5	4.4	1.3	2.0	12.0	2.6	3.0	2.1							
27	0.9	1.8	1.8	2.1	6.1	4.4	4.4	4.1	1.2	1.5	1.9	1.9	2.0	5.5	1.0							
28	0.9	1.3	1.3	1.9	5.2	3.9	3.6	30.5	3.1	20.5	2.0	1.7	1.9	20.0	2.8							
29	5.0	1.1	1.2	1.8	4.6	44.0	9.6	21.5	1.8	113.5	23.5	2.5	1.8	0.5	1.4							
30	1.0	0.9	8.0	1.9	4.2	6.3	3.5	16.7	1.4	32.0	10.2	8.0	3.2	1.5	1.2							
31	0.9	7.5	11.5	2.7	7.5	5.7	1.3	7.9	1.3	7.9	1.3	1.3	1.3	1.3	0.9							
total	40.0	34.2	68.5	33.8	123.0	52.1	257.5	147.7	139.9	266.5	168.8	54.5	320.0	82.0	127.5	74.5	93.5	57.7	56.0	33.1	69.5	51.2

1日のうち一部をバックアップ水位計の値より計算
1日すべてをバックアップ水位計の値より計算

付表 - 2 . 東山流域の日降水量と日流出量 (つづき)

HIGASHIYAMA 2009

unit: mm/day

n/a : data not available

annual precipitation: 1795.5

annual runoff:

n/a

day	January	February	March	April	May	June	July	August	September	October	November	December											
rain runoff	rain runoff	rain runoff	rain runoff	rain runoff	rain runoff	rain runoff	rain runoff	rain runoff	rain runoff	rain runoff	rain runoff	rain runoff											
1	0.9	2.8	1.8	2.4	2.7	2.4	26.5	4.4	52.5	17.1	1.3	n/a	15.0	1.1	1.4								
2	0.9	2.0	1.7	2.3	2.6	2.0	5.0	7.6	15.0	18.2	1.3	23.5	n/a	0.5	1.1								
3	0.9	1.8	11.5	1.9	2.4	1.9	7.5	4.7	12.5	2.5	1.4	1.0	1.4	0.8	2.0								
4	0.9	1.6	1.9	10.0	2.3	1.8	0.5	4.0	9.4	0.5	1.4	1.0	0.8	0.8	1.3								
5	0.9	1.5	0.5	1.7	2.3	27.0	3.3	7.6	6.5	1.2	4.5	0.9	0.8	14.0	1.8								
6	0.5	1.4	37.5	5.0	2.1	31.5	6.3	0.5	5.8	1.1	8.5	1.3	0.7	0.7	1.5								
7	0.8	1.3		4.0	2.0	78.5	17.8	0.5	5.8	1.0	58.0	4.3	0.7	1.3	1.3								
8	0.5	1.3		3.2	1.8	10.0	4.4	5.1	5.1	0.9	42.5	18.5	0.7	1.3	1.3								
9	7.0	1.0	1.2	2.9	1.8	9.5	1.8	4.1	4.7	0.9	0.9	5.0	0.7	1.2	1.2								
10	2.0	0.9	0.5	1.2	2.6	6.8	2.2	3.6	39.5	9.4	0.8	3.0	15.0	0.9	1.2								
11	0.8	4.5	1.2	2.2	5.5	28.5	7.0	3.2	5.6	0.8	2.2	67.0	10.3	33.5	3.5								
12	0.5	0.8	1.2	2.0	1.7	2.0	4.8	2.8	4.7	43.5	3.5	1.9	3.8	2.5	2.5								
13	0.8	3.0	1.2	35.5	3.0	1.6	4.5	4.6	4.2	1.9	1.6	2.3	2.3	2.0	2.0								
14	0.8	15.5	2.4	37.0	13.3	66.0	5.8	3.8	3.8	1.3	1.5	23.5	4.5	1.8	1.8								
15	0.8	1.5	6.4	1.5	6.1	3.5	2.0	2.2	3.5	1.5	1.3	1.4	2.9	1.6	1.6								
16	0.7	0.5	1.4	4.9	3.6	15.0	3.8	2.1	3.2	1.1	1.3	2.3	1.5	1.5	1.5								
17	0.8	1.2	4.1	6.5	3.3	36.5	8.4	5.4	3.0	1.0	2.5	n/a	14.0	2.6	1.4								
18	11.0	0.9	1.2	3.6	2.8	6.1	1.7	5.3	2.9	1.0	1.0	2.0	2.0	1.4	1.4								
19	5.0	1.4	2.0	3.3	2.5	4.7	1.6	2.5	2.7	0.9	0.9	n/a	n/a	2.0	1.4								
20	0.9	22.0	2.6	13.5	3.9	4.0	1.0	3.0	2.5	0.8	0.8	1.8	1.8	1.3	1.3								
21	8.0	1.0	1.8	3.1	25.0	3.5	7.0	3.1	3.0	2.4	0.8	n/a	n/a	1.7	1.3								
22	6.0	1.3	1.5	1.6	35.0	5.8	0.5	3.4	3.5	2.6	0.5	0.9	n/a	6.0	1.7								
23	5.0	1.6	13.0	2.5	5.7	3.1	4.5	2.6	2.2	0.5	0.9	n/a	0.5	1.8	2.0								
24	1.2	3.0	2.1	4.3	2.5	2.9	17.5	3.5	2.0	0.5	0.9	0.9	0.9	8.0	1.7								
25	1.0	19.5	3.7	0.5	3.8	44.0	6.0	2.6	1.9	0.8	0.5	0.9	5.5	2.5	1.2								
26	1.0	2.9	2.9	3.4	1.0	5.7	2.5	1.8	1.8	0.7	11.0	1.2	1.9	0.5	1.2								
27	0.9	0.5	2.4	0.5	3.2	1.9	16.0	9.0	1.7	0.7	0.7	1.8	1.8	1.1	1.1								
28	0.9	2.0	3.6	11.5	2.5	4.5	19	11.6	1.6	8.5	0.8	0.8	1.7	9.5	1.5								
29	0.9		2.8	3.0	2.9	31.5	2.7	12.9	1.5	0.9	0.9	0.8	1.0	1.6	1.2								
30	21.0	1.1	2.5	2.9	0.5	2.3	20.0	6.5	1.5	14.0	n/a	0.8	1.5	2.0	1.2								
31	34.0	6.6	2.5	2.5	13.5	3.2	9.0	8.0	1.4	n/a	0.7	1.5	2.0	1.3	1.3								
total	100.5	35.1	85.5	50.2	171.5	113.5	154.5	90.5	227.5	153.1	77.4	293.5	151.0	117.0	153.0	72.0	n/a	152.0	n/a	156.0	61.0	67.5	45.7

1日のうち一部をバックアップ水位計の値より計算

1日すべてをバックアップ水位計の値より計算

付表 - 2. 東山流域の日降水量と日流出量(つづき)

HIGASHIYAMA 2010

unit: mm/day n/a: data not available

annual precipitation: 2223.0

annual runoff:

n/a

day	January		February		March		April		May		June		July		August		September		October		November		December	
	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff
1	1.2	24.5	1.7	5.0	8.1	4.5	4.5	4.5	4.0	4.5	3.7	5.9	4.4	0.5	1.5	2.7	14.0	11.6						1.4
2	1.2	5.0	1.7	1.0	6.4	20.5	6.4	3.7	3.7	2.9	27.5	9.1	n/a	1.3	1.3	2.4								1.3
3	0.5	1.4	1.3	1.3	5.0	5.0	4.7	3.5	3.5	2.7	26.5	7.8	1.0	3.9	1.1	5.5	2.3							4.5
4	3.5	1.3	1.2	16.0	4.6		4.3	3.3	3.3	2.6	16.5	13.1	3.6	3.6	1.0	19.5	4.0	3.2						2.4
5	5.5	1.4	1.1	3.0	5.6	4.0	3.2	3.2	3.2	2.6		8.8	3.4	1.0		2.8								2.1
6	0.5	1.2	1.0	19.5	6.4		3.8	n/a	n/a	2.5	7.3	7.3	3.3	3.3	0.9	2.3								2.0
7	1.5	1.2	1.0	23.0	7.8	0.5	3.6	57.0	n/a	2.4	2.0	6.4	3.1	3.1	0.9	2.1								1.8
8	1.2		1.0		7.1		3.3		n/a	5.5	2.5	5.6	0.5	3.0	46.5	4.8	0.5							1.7
9	1.1	1.1	1.0	38.0	8.9		3.2		n/a	2.3	37.0	8.4	3.5	3.3	2.1	64.5	8.0	2.0						1.6
10	1.1	9.5	1.1	5.5	11.8		3.0	1.0	n/a	2.1		7.8	0.5	3.1	1.7	3.5	7.7							1.6
11	1.1	20.5	2.2	2.4	8.1	1.0	3.0	20.0	n/a	1.9	16.0	7.0	2.0	3.4	1.5	4.7								1.5
12	1.5	1.1	1.0	2.4	1.0	6.6	67.0	7.7	n/a	1.9	17.5	9.0	31.5	5.4	1.3									1.5
13						5.0	5.7	1.0	10.4	n/a	1.8	41.0	18.7	13.0	3.5	4.5								1.6
14						5.0			n/a	8.5	2.2	30.5	17.2	25.0	6.1	1.1								1.6
15	1.5	1.0	7.5	1.8	43.5	6.5			n/a	34.5	3.2	19.0	15.6	0.5	4.8	33.5	2.6	1.0	2.6					2.9
16	1.0		1.5	14.5	15.7	16.0	5.0		n/a	53.0	18.3	13.4	3.5	38.5	5.7	2.3								1.7
17	0.9		1.4		8.1	7.5	6.0		n/a		7.6	10.3	2.9	2.9	3.8	2.2								1.6
18	0.9		1.4	0.5	6.6		4.7		n/a	69.0	12.4	8.8		2.5	2.3	2.0								1.5
19					5.8		4.3	46.0	n/a	36.0	29.0	7.5	16.5	3.0	1.8									1.5
20	1.0	0.9	1.2		5.2	11.5	4.6	5.5	n/a	2.0	15.3	6.4	17.0	3.7	1.5									1.4
21	4.5	1.2	1.2	14.0	5.7	4.2	4.2		n/a	2.0	9.3	5.7		2.7	1.4									1.5
22		0.9	1.2		4.6	65.5	13.9		n/a		7.2	5.1		2.4	1.4									1.4
23		0.9	1.1	10.5	4.7	0.5	11.0	30.5	4.8	24.0	8.6	4.6		2.2	1.4	0.5	1.7	32.0	2.5	32.0				3.1
24		0.9	1.1	30.5	6.8		7.8	34.0	10.7		6.5	4.2	2.0	33.5	3.9	1.7	2.5	2.8	1.7	2.5				2.0
25		0.9	1.1	25.0	12.7		6.4	16.0	9.4		5.5	3.8	1.9	2.0	2.3	13.0	2.0	1.7	2.0	1.7				1.8
26		0.9	96.0	11.3		9.1		5.5	7.7	20.0	6.0	3.5		1.8	1.8	5.5	2.2	1.6	1.8	5.5				1.7
27		0.8	20.5	21.5		7.3	4.5	5.1	6.0	46.5	13.3	3.3		1.7	4.5	1.7								1.6
28	6.0	1.0	29.0	14.0	0.5	6.3	13.5	5.7	5.1	1.5	11.9	3.1	1.6	30.0	9.6	13.5	2.1	1.5	1.5	2.0				1.6
29		0.9				5.6	3.0	4.9	4.5	4.5	8.6	71.0	10.7	1.6	4.0	4.0								1.6
30		0.9				4.9		4.3	4.1		6.9	13.0	7.7		3.3	25.5	3.9	1.4	1.4	1.5				1.6
31		0.8				4.5		4.3	3.8		1.0	5.5		1.5	4.0	4.7								1.5
total	26.0	32.3	214.5	81.1	257.5	217.2	216.5	166.2	210.0	n/a	314.5	203.7	318.5	251.3	111.0	90.8	224.5	71.1	194.5	88.8	49.5	70.9	92.0	57.2

1日のうち一部をバックアップ水位計の値より計算
1日すべてをバックアップ水位計の値より計算

付表 - 3 . 白坂流域の日降水量と日流出量

day	January		February		March		April		May		June		July		August		September		October		November		December	
	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff
1							0.6	1.1	6.0	1.3		1.6	1.9	1.7	7.4	2.0	2.7	1.0	2.7	1.0	2.7	1.0	9.7	
2			4.0	0.6		1.2	0.6	1.0		1.2	1.5	1.6	1.6	2.9	6.2	1.9	2.6	1.9	2.6	1.9	2.6	1.0	5.4	
3	0.5			0.6	7.8	1.1	1.1	1.1		1.1	1.5	1.8	4.1	1.8	5.2	1.8	3.4	2.6	3.4	2.6	3.4	0.9	4.0	
4				0.6		1.8	1.4	1.4	24.1	1.8	0.7	1.4	1.6	4.1	4.5	1.7	2.0	2.5	2.0	2.5	0.9	3.2		
5				0.5		9.0	1.4	1.4		1.8	1.0	1.4	1.4	3.0	4.1	1.6	4.7	2.6	4.7	2.6	0.9	2.8		
6	16.0			0.5		50.5	7.3	1.8	1.4	21.3	1.5	1.5	1.3	77.4	19.8	1.5	2.4	1.5	2.4	0.8	0.8	2.5		
7			2.9	0.6		37.9	13.6	2.1		1.3	0.5	2.1	1.2	1.7	9.7	22.1	2.6	2.2	2.2	2.2	0.8	2.3		
8				0.6		13.9	9.7	1.6	21.3	8.4	1.3	1.3	1.3	4.8	7.6	13.4	2.1	0.3	2.2	2.2	0.8	2.7		
9				0.5			5.9	4.2	47.8	4.4	1.3	1.3	1.0	3.7	1.3	39.4	3.8	2.0	0.3	2.0	0.8	3.5		
10			4.7	0.5		4.2	3.2	2.7		3.0	1.0	1.4	1.4	2.9	5.6	0.4	4.9	3.8	4.9	3.8	0.8	3.5		
11				0.6			3.2	2.7		3.0	1.0	1.4	1.4	1.4	0.8	5.0	2.5	2.5	2.5	2.5	0.8	2.3		
12				0.5		4.8	0.5	2.7		2.4	1.2	1.4	31.2	23.7	4.4	2.1	1.9	1.9	1.9	1.9	0.8	2.2		
13				0.5			2.3	2.3		2.0	1.2	1.3	40.5	28.7	4.0	1.9	2.1	1.9	1.9	1.9	0.8	2.1		
14			0.3	0.5			2.1	2.1	32.8	2.6		1.2	14.3	n/a	3.7	28.9	3.5	3.5	3.5	1.7	0.4	1.9		
15			23.1	0.9		1.9	1.9	1.9	24.7	7.9	1.1	1.1	n/a	84.0	28.9	182.1	54.3	54.3	1.6	12.1	1.1	1.9		
16			13.7	1.3		1.7	1.7	1.7	8.6	5.6	3.4	1.2	5.7	8.1	2.4	8.3	33.4	33.4	1.5	10.2	0.9	1.8		
17			0.4	1.1		1.6	1.6	1.6		4.3	0.4	1.2	8.7	6.6	7.5	7.0	11.1	11.1	1.5	10.2	0.9	1.7		
18				0.9		1.5	1.5	1.5		3.5	1.1	1.1	3.8	6.4	6.5	16.8	9.7	9.7	1.5	28.8	3.9	2.6		
19	0.5			0.8		6.2	1.7	1.7	0.6	2.9	3.6	1.2	5.1	5.2	4.4	7.6	7.6	7.6	1.4	1.5	1.5	2.2		
20				0.7			1.5	1.5	5.8	2.7	20.7	1.3	4.5	4.8	4.8	6.0	6.0	6.0	1.4	1.3	1.3	2.0		
21				0.4			0.7	0.7	1.4	12.3	3.1	31.1	4.6	4.0	4.2	5.1	5.1	5.1	1.3	0.5	1.2	1.9		
22	1.1			0.2		16.1	0.9	2.5	1.3	2.5	5.2	2.2	3.6	3.6	3.9	0.2	4.5	4.5	1.2	16.4	1.3	1.7		
23	0.3						0.9	0.2	1.3		2.3	2.2	3.2	3.3	3.6	20.1	4.6	4.6	1.2	14.1	2.5	1.7		
24						0.8	0.8	1.2	0.4	2.0	2.3	2.5	3.1	3.3	2.2	5.0	5.0	5.0	1.2	1.2	1.7	1.6		
25	5.9						0.7	1.1	21.1	3.0	2.0	2.0	2.9	3.0	3.0	4.1	4.1	4.1	1.5	10.2	1.4	1.6		
26				3.3			0.7	1.1		2.4	0.4	1.7	1.1	2.7	2.8	3.9	3.8	3.8	1.3	9.3	1.3	1.5		
27	0.4					10.1	0.8	1.0	4.5	2.2	1.6	8.9	2.8	2.7	2.7	2.6	3.7	3.7	1.2	70.3	12.3	1.6		
28				0.8		0.6	0.7	0.8	7.9	1.0	2.0	9.6	1.4	11.8	2.9	3.4	3.4	3.4	0.6	1.1	4.6	1.6		
29	0.2						0.7	18.8	1.9	1.8	26.8	3.3	104.4	24.1	2.4	3.1	3.1	3.1	1.1	10.7	3.1	1.4		
30	3.0					29.3	1.8	1.3		1.7	2.5	77.8	16.3	2.2	2.9	2.9	2.9	2.9	1.0	77.1	19.1	1.4		
31							1.5	1.7	2.1	1.7		8.6	9.7	2.1	2.1				1.0	8.2	8.2	2.3		
total	27.9		106.1	23.7	38.1	172.0	79.5	213.9	86.4	157.8	51.8	432.4	n/a	175.8	188.8	351.8	196.2	24.0	52.9	257.0	70.1	80.8	77.8	

n/a

annual runoff:

annual precipitation: 2037.6

n/a : data not available

unit: mm/day

付表 - 3. 白坂流域の日降水量と日流出量(つづき)

day	January		February		March		April		May		June		July		August		September		October		November		December			
	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff		
1	1.7	2.1	1.8	2.1	5.1	3.9	2.1	6.1	4.5	4.7	6.1	4.5	4.7	6.1	5.6	53.2	12.2	4.1	5.6	53.2	12.2	4.1	5.6	53.2	12.2	
2	7.2	4.1	1.8	3.7	42.4	0.4	4.1	5.2	1.4	4.2	5.2	1.4	4.2	5.2	9.6	28.5	26.4	3.7	9.6	28.5	26.4	3.7	9.6	28.5	26.4	
3	1.6	1.8	1.7	1.8	1.7	28.1	4.8	5.8	3.9	5.8	5.0	29.8	3.9	4.0	4.0	13.3	13.3	2.9	4.0	13.3	13.3	3.4	3.4	13.3	13.3	
4	11.3	1.7	1.7	3.4	20.9	7.4	1.1	6.3	3.5	3.5	1.1	6.3	3.5	3.5	3.5	9.4	9.4	2.5	3.5	9.4	9.4	3.2	3.2	9.4	9.4	
5	1.6	2.0	1.6	2.9	1.6	5.0	2.9	5.1	1.7	3.3	5.1	1.7	3.3	3.0	3.0	7.6	7.6	2.2	3.0	7.6	7.6	3.1	3.1	7.6	7.6	
6	1.6	1.5	1.5	2.8	8.3	4.4	4.6	4.6	1.6	4.4	4.6	1.6	4.4	2.7	2.7	6.5	6.5	0.5	2.7	6.5	6.5	2.9	2.9	6.5	6.5	
7	0.1	1.5	1.5	2.2	28.2	4.7	4.0	4.1	2.9	4.7	4.1	2.9	4.7	2.6	2.6	5.7	5.7	2.1	2.6	5.7	5.7	2.8	2.8	5.7	5.7	
8	0.1	1.5	3.5	1.9	1.9	3.8	0.6	3.9	2.7	2.5	0.6	3.9	2.7	13.8	13.8	6.9	6.9	3.1	2.7	13.8	13.8	2.7	2.7	13.8	13.8	
9	17.6	2.2	19.1	3.8	6.4	21.8	5.4	3.5	3.5	3.8	5.4	3.5	3.5	2.5	2.5	5.9	5.9	1.8	2.5	5.9	5.9	2.5	2.5	5.9	5.9	
10	1.8	1.7	1.7	1.7	23.9	6.0	4.2	4.2	4.2	4.2	4.2	13.9	2.1	2.4	2.3	1.6	1.6	1.6	2.3	1.6	1.6	1.5	2.4	1.6	1.6	
11	1.7	1.7	1.7	5.0	3.7	3.7	3.7	3.5	14.5	3.0	3.5	14.5	3.0	2.1	2.1	4.5	4.5	1.5	2.1	4.5	4.5	2.3	2.3	4.5	4.5	
12	12.1	1.8	1.5	2.0	16.0	4.1	4.1	3.2	1.6	2.7	3.2	1.6	2.7	2.0	2.0	4.0	4.0	1.4	2.0	4.0	4.0	2.2	2.2	4.0	4.0	
13	7.6	2.3	0.1	1.6	3.5	2.1	35.0	4.7	19.5	9.3	3.0	3.0	2.3	0.1	0.1	3.8	3.8	1.3	1.3	3.8	3.8	2.1	2.1	3.8	3.8	
14	2.0	1.6	1.6	1.8	32.6	9.7	8.4	3.7	0.1	2.2	17.4	0.1	2.2	2.6	1.8	7.3	7.3	1.3	2.6	7.3	7.3	2.1	2.1	7.3	7.3	
15	20.3	2.2	9.8	1.7	4.5	18.9	6.4	6.0	6.4	6.4	28.2	6.0	2.1	1.8	1.8	1.4	1.4	7.1	1.4	1.1	3.6	2.0	2.0	1.6	1.2	
16	23.4	6.2	1.8	1.7	17.6	17.6	5.5	4.6	6.9	2.1	4.6	6.9	2.1	1.5	1.5	4.8	4.8	9.5	1.5	1.1	3.6	2.0	2.0	1.6	1.2	
17	4.2	1.5	1.5	1.6	9.9	10.3	10.3	3.7	4.5	2.4	3.7	4.5	2.4	1.6	1.6	9.8	9.8	8.6	1.6	8.6	9.8	1.0	2.0	1.1	1.1	
18	8.4	3.3	1.4	1.5	1.3	8.0	9.8	3.3	2.6	2.0	3.3	2.6	2.0	1.1	1.1	1.6	1.6	1.4	1.6	1.4	1.6	0.9	1.8	1.1	1.1	
19	24.8	6.5	1.4	1.5	4.6	7.0	8.9	1.6	3.0	1.9	1.6	3.0	1.9	1.4	1.4	3.2	3.2	1.1	1.4	3.2	3.2	1.7	1.7	3.2	3.2	
20	0.2	4.5	3.6	1.4	26.8	2.0	5.8	12.7	7.1	18.1	64.9	12.7	1.8	8.5	8.5	1.6	1.6	2.9	8.5	1.6	1.6	1.7	1.7	1.6	1.6	
21	3.7	42.7	5.3	3.8	9.0	6.1	5.1	8.1	8.1	1.7	8.1	1.7	1.7	1.6	1.6	1.6	1.6	6.5	1.6	0.3	n/a	1.6	1.6	1.0	1.0	
22	3.2	3.4	3.4	2.5	4.6	5.3	4.6	16.1	5.3	16.1	64.5	16.1	1.6	1.6	1.3	18.7	18.7	9.8	1.3	63.5	9.8	1.6	1.6	1.0	1.0	
23	0.6	3.0	2.6	2.1	11.9	4.4	4.7	15.9	4.7	4.4	4.4	15.9	1.6	1.6	1.3	10.8	10.8	6.4	1.3	26.1	6.4	1.6	1.6	1.0	1.0	
24	2.7	2.2	2.2	1.9	49.5	9.2	0.5	4.3	7.5	10.6	7.5	10.6	4.5	1.6	1.2	6.0	6.0	4.5	1.2	45.9	19.8	7.1	7.1	0.9	0.9	
25	2.6	17.3	2.6	1.8	5.5	10.1	46.9	7.4	1.0	8.4	1.0	8.4	3.9	1.7	1.3	9.9	9.9	9.9	1.3	0.9	5.5	1.5	1.5	0.9	0.9	
26	0.1	2.5	0.9	2.4	1.7	2.8	7.3	6.4	0.6	6.4	1.6	7.2	1.5	19.3	19.3	16.2	16.2	9.6	1.6	14.2	9.6	1.5	1.5	0.9	0.9	
27	0.1	2.4	0.5	2.0	21.9	2.0	5.9	5.9	0.4	5.2	6.4	5.9	1.4	4.0	4.0	4.5	4.5	27.4	4.0	0.5	4.5	1.4	1.4	0.9	0.9	
28	2.3	2.1	2.1	15.8	4.2	5.2	4.5	5.7	110.7	14.9	7.8	110.7	14.9	1.4	1.4	4.5	4.5	24.6	1.4	7.6	4.5	3.9	3.9	0.9	0.9	
29	2.0	2.9	2.9	4.7	42.8	6.4	12.7	5.9	47.7	23.6	24.6	23.6	24.6	2.8	2.8	10.7	10.7	2.8	2.8	7.6	4.1	1.4	1.4	0.9	0.9	
30	2.0	2.5	2.5	4.2	18.7	9.7	5.1	5.1	20.5	8.8	29.6	8.8	8.8	8.0	8.0	3.9	3.9	8.0	20.5	2.8	4.1	1.3	1.3	0.9	0.9	
31	1.9	2.2	2.2	190.1	325.8	193.0	7.8	7.8	9.3	42.7	10.0	9.3	42.7	10.0	19.5	4.8	4.8	19.5	10.0	19.5	4.8	4.8	0.9	0.9	0.9	0.9
total	135.5	80.2	98.8	55.0	127.3	64.9	298.3	190.1	325.8	193.0	249.2	184.6	243.4	123.2	161.3	82.1	334.2	181.2	307.7	181.2	307.7	n/a	7.3	65.4	46.5	37.6

n/a

annual runoff:

annual precipitation: 2335.3

n/a : data not available

unit: mm/day

1998

SHIRASAKA

付表 - 3 . 白坂流域の日降水量と日流出量 (つづき)

day	January		February		March		April		May		June		July		August		September		October		November		December	
	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff
1	0.9	0.2	0.7	1.1	1.6	1.3	1.0	1.7	0.1	43.9	3.1	1.5	12.4	2.0	3.3	38.3	2.1	3.3	3.1	18.6	7.2	2.4	1.3	
2	0.8	0.7	1.0	0.9	1.6	1.3	0.9	1.6	1.6	17.9	2.7	2.0	12.4	2.0	2.7	12.4	2.0	2.7	2.7	18.6	7.2	2.4	1.3	
3	0.8	2.0	0.7	0.9	3.8	1.4	0.9	1.5	19.2	11.7	4.0	1.5	3.3	3.0	2.6	4.0	1.5	3.3	3.0	18.6	7.2	2.4	1.3	
4	0.8	1.0	0.7	0.8	1.2	3.0	0.9	1.4	22.3	13.2	2.3	4.7	1.5	2.8	2.3	4.7	1.5	2.8	2.8	18.6	7.2	2.4	1.3	
5	0.2	0.8	0.6	0.8	1.1	109.4	20.4	1.3	10.5	10.5	2.1	1.1	1.6	2.6	2.1	1.1	1.6	2.6	2.6	18.6	7.2	2.4	1.3	
6	0.8	0.6	1.8	0.8	1.1	0.2	6.8	1.2	1.5	8.6	2.0	1.4	1.6	1.6	2.0	2.0	1.4	1.6	2.5	18.6	7.2	2.4	1.3	
7	0.8	0.6	0.6	0.7	12.5	1.5	3.9	1.8	7.0	7.0	1.9	1.3	1.3	1.3	1.9	1.3	1.3	1.3	2.7	18.6	7.2	2.4	1.3	
8	4.2	0.8	1.1	1.0	1.1	3.0	6.0	3.0	6.1	6.1	1.7	34.6	3.5	3.7	3.0	3.7	3.0	3.0	1.7	18.6	7.2	2.4	1.3	
9	8.9	0.8	0.6	0.8	1.0	2.5	2.5	1.7	5.4	5.4	1.6	4.4	2.2	2.5	2.5	4.4	2.2	2.5	2.5	18.6	7.2	2.4	1.3	
10	1.7	0.8	0.6	0.8	1.0	2.2	2.2	1.4	4.8	4.8	1.6	1.6	1.8	2.2	1.6	1.6	1.8	2.2	2.2	18.6	7.2	2.4	1.3	
11	1.1	0.8	2.6	0.8	40.7	2.9	2.0	1.3	4.3	11.0	1.8	2.3	1.6	2.1	4.3	11.0	1.8	2.3	2.1	18.6	7.2	2.4	1.3	
12	0.1	0.8	22.2	1.4	2.7	2.7	1.7	1.2	1.5	4.1	4.5	2.0	1.5	2.0	4.5	2.0	1.5	2.0	2.0	18.6	7.2	2.4	1.3	
13	0.8	0.8	0.8	0.7	2.0	1.9	1.6	1.2	22.4	4.6	1.6	1.4	1.4	1.4	1.6	1.4	1.4	1.4	2.0	18.6	7.2	2.4	1.3	
14	1.0	0.8	0.7	0.7	1.7	1.7	1.5	1.1	16.3	6.5	1.9	3.8	1.5	1.9	1.9	3.8	1.5	1.9	1.9	18.6	7.2	2.4	1.3	
15	0.8	0.3	0.7	0.7	1.4	1.4	1.4	1.0	12.2	6.0	2.1	165.3	30.8	0.5	1.8	165.3	30.8	0.5	1.8	18.6	7.2	2.4	1.3	
16	1.9	0.8	0.7	1.1	42.1	1.3	3.0	6.4	4.7	6.4	4.7	66.1	20.1	8.6	2.1	66.1	20.1	8.6	2.1	18.6	7.2	2.4	1.3	
17	0.8	0.7	0.7	0.8	1.2	1.2	3.7	0.9	1.0	4.1	7.0	13.2	10.0	1.8	7.0	13.2	10.0	1.8	1.8	18.6	7.2	2.4	1.3	
18	0.8	0.6	0.6	0.8	3.1	1.2	2.2	14.9	1.4	3.7	4.2	6.8	5.3	1.7	4.2	6.8	5.3	1.7	1.7	18.6	7.2	2.4	1.3	
19	0.7	1.5	0.7	3.2	12.4	1.6	1.8	12.1	1.5	2.2	3.5	0.1	3.3	0.8	3.3	0.8	3.3	0.8	1.6	18.6	7.2	2.4	1.3	
20	12.3	1.1	0.7	1.4	6.2	1.5	2.3	42.3	4.3	5.3	5.3	1.5	4.4	18.9	2.3	1.5	4.4	18.9	2.3	18.6	7.2	2.4	1.3	
21	0.9	0.9	0.6	33.2	2.6	1.3	1.8	3.4	1.1	3.3	7.7	2.7	0.5	3.9	2.7	0.5	3.9	1.8	1.8	18.6	7.2	2.4	1.3	
22	0.8	0.8	0.6	14.6	3.8	1.2	1.5	2.2	2.2	3.0	12.1	3.2	21.8	4.0	3.2	21.8	4.0	3.2	1.7	18.6	7.2	2.4	1.3	
23	0.8	0.6	0.6	3.0	0.2	1.1	1.4	3.7	2.0	2.8	2.8	2.8	34.4	8.1	2.8	34.4	8.1	1.6	1.6	18.6	7.2	2.4	1.3	
24	0.7	0.6	0.6	2.1	4.9	1.2	4.7	10.9	2.0	2.6	0.5	2.2	14.7	11.2	2.6	0.5	2.2	14.7	11.2	1.4	5.2	1.4	0.8	
25	4.1	0.8	13.7	0.9	9.4	1.4	19.3	58.7	8.2	2.4	6.3	2.7	10.8	8.0	2.4	6.3	2.7	10.8	8.0	1.4	23.6	2.8	0.8	
26	4.4	0.9	0.7	1.5	1.1	1.1	1.7	20.9	13.9	2.3	2.1	2.1	6.1	6.1	2.1	2.1	6.1	6.1	1.4	0.6	1.9	0.8	0.8	
27	0.8	29.5	1.6	9.2	1.7	1.1	34.2	2.2	31.6	7.9	0.6	2.1	3.6	2.0	3.6	2.0	3.6	2.0	1.3	0.6	1.6	0.8	0.8	
28	0.7	0.5	1.7	2.3	1.1	3.9	4.7	50.1	30.0	7.3	2.6	7.0	2.0	4.5	22.4	2.2	4.5	22.4	2.2	1.5	1.5	0.8	0.8	
29	0.7	0.7	0.7	1.3	1.0	2.8	0.2	10.3	56.9	8.4	1.8	1.8	4.0	1.6	1.6	1.8	4.0	1.6	1.6	1.4	1.4	0.8	0.8	
30	0.7	0.7	0.7	1.2	1.0	2.3	240.4	111.0	4.9	4.9	1.5	3.6	3.6	3.6	1.5	3.6	3.6	1.5	1.5	1.4	1.4	0.8	0.8	
31	0.7	0.7	0.7	1.5	1.9	1.9	1.9	0.6	0.6	0.6	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.3	1.3	1.4	0.7	0.7	
total	39.9	24.8	74.2	21.2	131.1	39.0	95.2	41.2	232.2	87.7	530.4	222.7	179.5	212.1	164.5	82.0	343.0	160.2	73.1	64.1	137.0	57.2	4.3	30.4

1042.6

annual runoff:

annual precipitation: 2004.4

付表 - 3 . 白坂流域の日降水量と日流出量(つづき)

SHIRASAKA 2002 unit: mm/day annual precipitation: 1332.5 annual runoff: 482.3

day	January		February		March		April		May		June		July		August		September		October		November		December	
	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff
1	0.7	1.4	1.0	2.4	6.5	1.8	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
2	0.5	0.7	1.3	2.0	6.5	1.8	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
3	0.8	1.6	1.6	1.7	1.7	1.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
4	1.0	1.4	0.8	1.6	11.0	1.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
5	2.5	1.3	1.3	1.5	0.5	1.6	0.9	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
6	8.0	1.5	1.3	28.0	3.9	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
7	7.0	0.9	1.2	0.5	2.1	1.6	2.9	1.8	2.0	1.6	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
8	4.0	1.1	1.2	1.6	2.0	5.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
9	1.5	0.9	1.1	1.3	1.7	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
10	6.0	0.9	1.1	1.2	1.6	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
11	3.0	0.9	1.1	1.1	1.1	1.6	3.4	3.4	8.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
12	1.0	6.5	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
13	1.0	1.1	1.1	1.0	1.8	2.0	1.8	2.0	1.8	2.0	1.8	2.0	1.8	2.0	1.8	2.0	1.8	2.0	1.8	2.0	1.8	2.0	1.8	2.0
14	1.0	1.1	1.1	1.6	1.6	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
15	3.0	1.0	1.1	1.1	1.1	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
16	10.0	1.2	1.2	0.5	1.1	1.7	1.7	1.7	7.0	2.1	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
17	1.1	1.5	1.2	1.0	20.5	2.6	2.6	2.6	15.5	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
18	1.0	1.2	1.0	1.0	1.9	3.0	3.0	3.0	17.5	4.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
19	0.9	1.0	1.3	0.9	1.9	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
20	0.9	1.2	0.9	0.5	1.8	2.5	2.5	2.5	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
21	57.0	7.4	1.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
22	0.5	3.7	0.9	1.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
23	2.3	0.8	0.9	2.0	2.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
24	1.9	0.8	0.9	1.9	1.9	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
25	1.7	0.9	0.9	0.5	1.7	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
26	7.0	1.6	0.8	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
27	14.5	2.4	0.8	2.6	1.0	1.4	1.4	1.4	1.0	1.4	2.5	1.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
28	1.0	1.8	1.3	1.4	1.4	1.3	1.3	1.3	1.4	1.3	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
29	1.0	1.6	2.3	1.4	1.4	1.2	1.2	1.2	1.4	1.2	4.5	1.1	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
30	1.5	1.5	9.0	6.5	1.4	1.1	1.1	1.1	1.1	1.1	6.0	1.1	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
31	1.0	1.4	3.2	3.0	3.0	1.3	1.3	1.3	3.0	1.3	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
total	128.5	45.9	31.8	149.0	47.8	111.0	55.9	117.0	58.5	103.0	31.4	47.4	79.0	20.8	135.0	27.4	194.0	65.1	39.0	21.9	104.5	28.4	28.4	28.4

付表 - 4 . 過去に公表した日降水量の訂正表

白坂					
報告 番号	年	月日・項目	誤	正	
VII	1999 (平成11)	12月21日	0.0	空欄	

付表 - 5 . 過去に公表した日降水量の訂正表の再訂正表

白坂					
報告 番号	年	月日・項目	誤	過去の 訂正表	正
VIII	1998 (平成10)	10月・月雨量	308.2	307.5	307.7
	同	年雨量	2331.7	2335.1	2335.3

付表 - 6 . 過去に公表した日流出量の訂正表

穴の宮					
報告 番号	年	月日・項目	誤	正	
VII	1999 (平成11)	6月30日	70.7	69.4	
	同	6月・月流出量	147.9	146.6	
	同	年流出量	803.9	802.6	
東山					
報告 番号	年	月日・項目	誤	正	
VIII	2001 (平成13)	8月27日	2.4	n/a	
	同	8月28日	1.7	n/a	
白坂					
報告 番号	年	月日・項目	誤	正	
	1992 (平成4)	10月21日	2.5	2.6	
	同	10月・月流出量	69.2	69.3	
	同	年流出量	802.0	802.1	
	1995 (平成7)	7月8日	9.9	10.6	
	同	7月・月流出量	235.0	235.7	
	同	年流出量	770.2	770.9	
VII	1997 (平成9)	7月14日	16.7	n/a	
	同	7月15日	10.8	n/a	
	同	7月・月流出量	233.1	n/a	
	同	年流出量	1112.1	n/a	
	1998 (平成10)	10月21日	7.4	n/a	
	同	10月22日	7.5	n/a	
	同	10月・月流出量	247.5	n/a	
	同	年流出量	1486.0	n/a	