

東京大学演習林水文観測・水質分析報告

(自2003年1月至2011年12月)

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

キーワード：水文観測，水質分析

Report of the Hydrological Observation and Chemical Analysis of Water Quality
in the University of Tokyo Forests (Jan.2003 Dec.2011)

Hydrology and Water Quality Division, Fundamental Data Development Committee,
The University of Tokyo Forests, Graduate School of Agricultural and Life Sciences,
The University of Tokyo

Keywords :Hydrological Observation, Chemical Analysis of Water Quality

．はじめに

東京大学演習林全体を網羅した10力年計画として新たに「東京大学演習林教育研究計画2011～2020」が策定された。この計画の中に位置づけられた常置委員会の一つとして基盤データ整備委員会があり、気象部門，生物部門，水文水質部門，GIS部門，固定試験地部門で構成されている。本報告は 2011年に基盤データ整備委員会水文水質部門の責任において行われた日降水量・日流出量・渓流水の水質データ，および，2003年～2010年にかけて各地方演習林や関連教職員の努力により続けられてきた観測・分析によって得られた日降水量・日流出量・渓流水の水質データを報告するものである。なお基盤データ整備委員会水文水質部門では，降水の水質も報告の対象としているが，その報告は稿を改めて行い，本報告には含めていない。

．担当者と報告期間

資料のとりまとめは 基盤データ整備委員会水文水質部門長の芝野博文 同部門観測・分析データ管理総括の蔵治光一郎が，各附属演習林の水文水質部門担当者と協力して行った。

担当者と報告期間はそれぞれ表 - 1 ，表 - 2 のとおりである。

表 - 1 . 担当者

役割	担当者
全体総括	芝野博文
観測・分析データ管理総括	蔵治光一郎
観測機器管理総括	芝野博文・田中延亮
観測・分析データ管理補助	加藤敦美
千葉演習林	江草智弘・大手信人・小田智基・小原章裕・軽込勉・里見重成・塚越剛史・堀田紀文・真板英一・山中千恵子・米道学
北海道演習林	大川あゆ子・鴨田重裕・木村徳志・算用子麻未・芝野博文
秩父演習林	相川美絵子・五十嵐勇治・大村和也・加藤敦美・五名美江・才木道雄・齋藤俊浩・澤田晴雄・千嶋武・丹羽悠二・原口竜成・春田泰次・藤原章雄・吉田弓子
生態水文学研究所	阿達康眞・荒木田きよみ・井上淳・加藤敦美・鎌田幸子・蔵治光一郎・後藤太成・五名美江・澤田晴雄・芝野博文・高德佳絵・田中延亮・春田泰次
樹芸研究所	井上広喜・鴨田重裕・蔵治光一郎・齋藤陽子・白木克繁・住吉綾・辻良子・渡邊良広

(50音順)

表 - 2 . 報告期間

地方演習林名	降水量の 観測地名	降水量の 報告期間	流出量の 観測地名	流出量の 報告期間	水質の 報告期間
千葉演習林	新田	2003年1月 ～ 2011年12月	袋山沢A	2003年1月 ～ 2011年12月	2003年10月 ～ 2008年6月
			袋山沢B	2008年1月 ～ 2011年12月	2003年9月 ～ 2008年6月
			袋山沢C		なし
北海道演習林	丸山沢	2004年3月 ～ 2007年12月	丸山沢	2004年1月 ～ 2007年12月	2003年8月 ～ 2011年12月
秩父演習林	トウバク沢	2003年10月 ～ 2011年8月	トウバク沢	2003年1月 ～ 2011年4月	2003年8月 ～ 2011年3月
	ワサビ沢	2011年9月 ～ 2011年11月	バケモノ沢	2011年1月 ～ 2011年12月	2011年4月 ～ 2011年12月
生態水文学 研究所	白坂	2003年1月 ～ 2011年12月	白坂本谷	2003年1月 ～ 2011年12月	2011年4月 ～ 2011年12月
			白坂南谷	なし	2003年8月 ～ 2010年3月
樹芸研究所	青野	2003年1月 ～ 2011年12月	1号沢	2003年5月 ～ 2011年12月	
			2号沢	2003年5月 ～ 2011年10月	2003年9月 ～ 2011年12月
			3号沢	2003年5月 ～ 2011年12月	

．観測地の位置と概要

流量観測地および渓流水質観測地の位置，概要を表 - 3 にまとめた。雨量観測地は，それぞれ流量観測地の最寄りの観測地点（千葉演習林は新田，秩父演習林バケモノ沢はワサビ沢，樹芸研究所は青野，他は流量観測地点と同じ）とした。

表 - 3 . 流量観測地および渓流水質観測地の位置，概要

地方演習林名	観測地名	緯度 (北緯 経度 (東経))	面積 (ha) 標高 (m)	植生	海からの 距離 (km)	平均年降 水量 (mm) (平均期間)	年平均気温 () (平均期間)	流域の地質 (岩石の種 類と地質 時代)
千葉演習林	袋山沢A		0.8 129 ~ 225	スギ・ ヒノキ老 齢人工林				
	袋山沢B	35° 12'20" 140° 06'11"	1.1 128 ~ 230	スギ・ ヒノキ若 齢人工林	6.0	2330* (1994-2012)	13.6* (2004-2012)	砂岩泥岩 互層 (新第三紀)
	袋山沢C		2.0 126 ~ 230	A・B流域 を中に含 む流域				
北海道演習林	丸山沢	43° 14'38" 142° 34'27"	220.0 415 ~ 810	冷温帯・ 亜寒帯性 汎針広混 交林	83.7	1221** (1-3月除く) (1998)	5.3** (1998)	十勝溶結 凝灰岩 (第四紀更 新世)
秩父演習林	トウバク 沢	35° 54'30" 138° 48'30"	125.0 1150 ~ 2018	山地帯 ~ 亜高山 帯下部の 天然林	91.7	1696 (2004-2010)	8.7 (2004-2010)	粘板岩，緑 色珪砂質 板岩，珪 岩，黒色千 枚岩，輝緑 凝灰岩，石 灰岩（中・ 古生代）
	バケモノ 沢	35° 54'47" 138° 49'05"	41.0 1080 ~ 1640		79.5	1840*** (1990-1994, 1996-1998, 2002-2004, 2008-2012)	7.9* (2012)	泥岩（泥岩 優勢互相 を含む）， 砂岩泥岩 互層（中・ 古生代）
生態水文学研究所	白坂南谷	35° 13'08" 137° 10'02"	1.4 315 ~ 363	暖温帯性 落葉広葉 樹二次林	24.0	1873 (1972-2001)	12.5 (1981-2010)	深層風化花 崗岩（中生 代後期~ 古第三紀）
	白坂本谷	35° 13'07" 137° 09'54"	88.5 304 ~ 629					
樹芸研究所	1号沢	34° 41'35" 138° 50'13"	7.3 133 ~ 320	シイ・ カシ 天然生林	5.1			
	2号沢	34° 41'59" 138° 50'34"	8.9 160 ~ 420	スギ・ ヒノキ 人工林	6.0	2175* (1982-2011)	15.5* (1997-2011)	石英安山岩 (新第三紀 中新世)
	3号沢	34° 42'09" 138° 50'45"	1.6 220 ~ 335	クスノキ 人工林	6.4			

*降水量の観測地点で観測された値

**東郷ダムの値

***国土交通省豆焼雨量観測所（35° 54'48"N，138° 49'27"E）の値

．観測方法とデータのとりまとめ方法

降水量観測地における降水量の計測システムを表 - 4 に、流出量観測地における水位の計測システムと水位 流出量換算式を表 - 5 に、量水堰ノッチの形状、寸法を表 - 6 に、水質測定項目および分析項目と使用機器を表 - 7 に示した。

観測データのそのとりまとめ法を以下に示す。

< 水文 >

日界は0：00とする。

日値は小数点以下第2位を四捨五入して第1位まで求めた値を記載した。

月合計値は各月の日値（表中に記載された小数点第1位までの値）を合計して求めた。年合計値は月合計値（表中に記載された小数点第1位までの値）を合計して求めた。

生データ（電子データ）は、生態水文学研究所、各地方演習林で保管している。生データの提供の要望があった場合には、そのデータが観測・測定・分析された地方演習林に申請することにより利用可能となる場合がある。

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、過少評価する場合がある。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、時間の遅れのである可能性がある。

秩父演習林トウバク沢では、量水堰の底部から水が抜けているため、データ使用の際には注意が必要である。

秩父演習林バケモノ沢の2011年の流量については、水位 - 流出量換算式の係数などを確定するための情報が不十分なため暫定値である。

< 水質 >

渓流水は、原則として月1度の決められた日に採取し、千葉演習林は東京大学森林理水及び砂防工学研究室で、北海道演習林は北海道演習林実験室で、秩父演習林、生態水文学研究所は、生態水文学研究所実験室で、樹芸研究所は2010年2月分までは北海道演習林実験室で、2010年3月分以降は樹芸研究所実験室において化学分析を実施した。

測定・分析項目は、 Na^+ 、 K^+ 、 Mg^{2+} 、 Ca^{2+} 、 NH_4^+ 、 Cl^- 、 NO_3^- 、 SO_4^{2-} の8種のイオン濃度、およびpH、ECの10項目である。このうち NH_4^+ については千葉演習林、北海道演習林、樹芸研究所でのみ分析の対象としている。また Na^+ 、 K^+ 、 Mg^{2+} 、 Ca^{2+} については、生態水文学研究所実験室では原子吸光度計により、イオン濃度も含んだNa、K、Mg、Ca原子の濃

度を分析している。その他の演習林でのカチオンの分析，および，すべての演習林でのアニオンの分析は，イオンクロマトグラフによりイオン濃度を分析している。

水位は，各地方演習林それぞれ別の測定方法で実施されており，データ使用の際には各地方演習林に問い合わせること。

北海道演習林では冬季（12月から4月）の採水は行っていない。

千葉演習林袋山沢 A・B 流域では表流水が枯渇したため，採水が行われていない月がある。

そのような場合は表中ですべての項目を空欄としている。

表 - 4 . 降水量の計測システム

地方演習林名	観測地名	雨量計の機種	データ記録装置の機種と記録時間
千葉演習林	新田	転倒マス雨量計 No.34-T (大田計器(株)) 1転倒 0.5mm	CR10X, 10分 (Campbell社)
北海道演習林*	丸山沢	転倒マス雨量計 Rain Collector (DaVIS社) 1転倒 0.5mm	HOBO Event, 転倒時刻記録 (Onset社)
秩父演習林	トウバク沢	転倒マス雨量計 No.34-HT-P (大田計器(株)) 1転倒 0.5mm	2003年 KADEC-UP, 10分 (コーナシステム(株)) 2004 ~ 2011年 CR10X, 5分 (Campbell社)
	ワサビ沢	転倒マス雨量計 No.34-HT-P (大田計器(株)) 1転倒 0.5mm	CR10X, 6分 (Campbell社)
生態水文学 研究所**	白坂	転倒マス雨量計 NPO0003 ((株)小松製作所) 1転倒 0.5mm	QWP-YY2 5分 (明星電気)
樹芸研究所	青野	転倒マス雨量計 No.34-T (大田計器(株)) 1転倒 0.5mm	CR10X, 6分 (Campbell社)

* 東郷ダムの降水量を補完的に使用している

** 欠測の際にはバックアップ観測システムのデータを使用している

表 - 5 . 水位計測システムと水位 - 流出量換算式

地方演習林名	観測地名	水位計とデータ記録装置の種類	水位計測 インターバル	水位 - 流出量 換算式
千葉演習林	袋山沢A	フロート式水位計 (池田計器(株))	なし (記録紙 読み取り)	沼知式 ¹⁾
	袋山沢B			
	袋山沢C			
北海道演習林	丸山沢	圧力式デジタル水位計 WL15 (Global Water社)	30分	縮流係数を0.6とする 土研公式の複合使用 ²⁾
秩父演習林	トウバク沢	圧力式水位計 LG-B5 (ログ電子)	10分	縮流係数を0.6とする 土研公式 ³⁾
	バケモノ沢	静電容量式水位計 SE-TR/WT1000 (Trutrack社)	5分	4)
生態水文学 研究所	白坂本谷	水晶式水位計 QWP-8-202E (明星電気) データロガー QWP-YY2 (明星電気)	5分	5)
樹芸研究所	1号沢	圧力式水位記録計 2003年6月から2005年3月まで	5分	6)
	2号沢	WL15 (Global Water社) 2004年6月から		
	3号沢	WT-HR (TruTrack社)		

注

1) 式の係数は白木ら(1999)を参照のこと

2) 式の係数は芝野ら(1988)を参照のこと

3) 式の詳細および係数は秩父演習林(2002)を参照のこと

$$4) \quad q = B \times \frac{2}{3} C \times \sqrt{2g} \times h^{\frac{3}{2}}$$

ここに, q: 流量(m³ sec⁻¹), B: 堰幅(0.6m), C: 実測から求めた係数(0.59), g: 重力加速度(9.8m sec⁻²), h: 水位(m)

5) 式の詳細および係数, 計算方法は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年のデータの取り扱い方法を参照のこと

6) 式の詳細は樹芸研究所に問い合わせること

表 - 6 . 量水堰ノッチの形状, 寸法

地方演習林名	観測地名	ノッチの種類	ノッチの形状, 個数, 寸法
千葉演習林	袋山沢A	三角堰	90°, 幅1.0m, 高さ0.5m
	袋山沢B		
	袋山沢C		
北海道演習林	丸山沢	複合矩形堰	中央部 幅0.4m, 高さ0.5m 中央部を除く両翼部 幅9.5m, 高さ0.45m
秩父演習林	トウバク沢	矩形堰	幅1.3m, 高さ0.9m
	バケモノ沢		幅0.6m, 高さ0.6m
生態水文学 研究所	白坂本谷	並列矩形堰	小幅ノッチ 1基, 幅0.2m, 高さ1.2m 大幅ノッチ 12基, 幅1.0m, 高さ0.7m 小幅ノッチと大幅ノッチの底の高さの差 0.5m
樹芸研究所	1号沢	三角・矩形複合堰	三角堰部分90°, 高さ0.1m 矩形堰部分 幅1.0m, 高さ0.4m
	2号沢		三角堰部分90°, 高さ0.35m 矩形堰部分 幅0.7m, 高さ0.5m
	3号沢	三角堰	90°, 幅0.8m, 高さ0.4m

表 - 7 . 水質測定項目および分析項目と使用機器

地方演習林名	測定機器		分析機器*					
	pH	EC	Na ⁺	K ⁺	Mg ²⁺	Ca ²⁺	NH ₄ ⁺	Cl ⁻ , NO ₃ ⁻ , SO ₄ ²⁻
千葉演習林	pH電子メータ (HANNA pHeq4)	コンパクトEC計 (HORIBA B-173)	イオンクロマトグラフ			イオンクロマトグラフ		
北海道演習林	pH計 (HANNA コンボ1 HI 98129)	EC計 (HANNA コンボ1 HI 98129)	イオンクロマトグラフ			イオンクロマトグラフ		
秩父演習林 生態水文学 研究所	pHメータ (HORIBA D-21)	コンパクトEC計 (HORIBA B-173)	原子吸光光度計**			イオンクロマトグラフ		
樹芸研究所	pH計 (ラコムテスター pHScanWP3)	EC計 (ラコムテスター ECTestr10low ⁺)	イオンクロマトグラフ			イオンクロマトグラフ		

*分析機器の機種名および分析方法の詳細については, 各地方演習林に問い合わせること

**原子吸光光度計は, イオン濃度も含んだ, 各原子の濃度を分析している。NH₄⁺は分析していない

．観測結果

水文の観測結果を付表 - 1 ~ 10に，水質の測定・分析結果を付表 - 11 ~ 20に示した。

謝 辞

本稿で報告したデータの取得に際して，全国大学演習林協議会LTFHRデータベース運営委員会，平成15～17年度科学研究費補助金基盤研究（A）（代表：小川滋）「流域生態圏における水・熱・物質循環の長期変動モニタリングと広域比較研究」，および平成18～20年度科学研究費補助金基盤研究（A）（代表：丹下健）「森林生態系における水・物質動態の流域特性の広域比較研究」の支援を受けました。ここに記して謝意を表します。

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水文試験地の水収支解析，東京大学農学部演習林報告，102：71-86.
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121.
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水量・日流出量観測結果報告（VIII），演習林（東大），53：29-53.

付表 - 1 . 袋山沢 A 流域の日降水量と日流出量

FUKUROYAMASAWA A 2003

unit: mm/day

annual precipitation: 2896.1

annual runoff:

1459.9

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	2.1	0.1	0.6	151.0	62.7	0.1	0.1	0.1	14.6	10.1	0.1	2.7	5.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.6	32.0	14.8
2	0.5	0.1	0.4	2.6	51.7	22.6	0.4	0.1	2.0	3.4	0.4	0.1	1.9	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	3.5	14.3	
3	65.7	6.2	3.3	9.0	2.9	1.7	1.1	0.6	1.0	4.2	0.1	1.0	4.5	1.0	0.4	1.0	0.0	0.0	0.0	0.0	8.0	0.4	4.5	3.8
4	22.3	39.0	0.3	1.7	1.1	0.3	0.1	18.3	0.9	62.6	27.2	0.7	0.7	0.1	0.0	0.6	0.4	0.5	2.1	0.0	0.6	0.4	0.5	2.1
5	2.3	0.2	0.2	0.9	76.3	27.6	0.0	2.4	0.0	2.4	0.1	2.4	0.4	0.1	0.1	0.1	0.1	0.1	1.4	0.0	1.6	0.2	1.0	1.4
6	1.1	0.2	0.2	7.1	0.7	1.7	8.6	0.1	0.5	5.2	1.2	0.3	0.8	0.1	0.3	0.1	14.0	0.0	3.5	0.0	67.9	33.2	3.5	1.1
7	0.7	0.1	0.1	70.7	37.9	2.0	6.8	0.0	0.5	5.2	1.2	0.2	0.2	0.1	0.5	0.0	0.5	0.0	0.8	0.0	0.5	3.4	0.8	
8	0.5	1.7	0.1	7.6	67.8	30.1	9.2	0.1	0.4	1.6	0.9	1.1	0.2	0.1	0.0	0.1	0.0	0.0	1.8	0.0	0.5	1.8	0.5	
9	0.4	33.7	5.5	2.0	2.1	11.9	0.6	0.0	0.3	0.7	0.7	44.6	5.7	0.0	0.0	0.0	0.0	0.0	0.4	0.0	6.8	1.1	0.4	
10	0.3	2.2	0.9	1.2	1.6	2.9	0.0	0.6	0.2	9.2	0.8	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	11.1	1.0	0.3	
11	0.3	15.2	2.5	0.8	0.6	1.7	0.6	0.0	3.5	0.2	0.8	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.3	0.0	17.4	5.2	7.0	0.3
12	0.2	1.4	0.6	20.9	2.0	8.0	0.1	17.5	0.5	5.4	0.5	5.4	0.5	0.0	25.6	0.9	1.1	3.3	15.5	0.0	1.1	3.3	15.5	1.6
13	0.1	0.7	0.7	0.5	0.5	3.2	0.0	1.2	0.3	4.9	0.4	7.9	0.4	0.0	11.0	0.5	2.0	1.7	0.6	0.0	2.0	1.7	0.6	
14	0.1	0.5	0.5	0.3	0.3	1.4	2.9	0.0	2.3	0.2	36.2	14.4	50.2	7.2	0.0	32.3	3.3	1.0	0.4	0.0	3.6	0.7	0.3	
15	0.1	0.4	1.6	0.3	11.8	1.0	38.6	2.8	0.6	0.2	2.6	178.8	171.2	0.0	4.7	5.7	3.6	0.7	0.3	0.0	25.5	6.1	0.2	
16	0.1	24.2	2.3	12.6	0.3	3.2	1.4	7.5	2.5	2.3	0.1	1.1	55.3	59.3	0.0	0.0	0.0	0.0	0.2	0.0	0.7	25.5	6.1	0.2
17	0.1	1.9	8.8	1.1	0.9	0.9	0.6	5.8	0.2	0.7	4.5	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.7	25.5	6.1	0.2
18	0.0	6.2	0.9	0.5	0.5	0.7	2.3	0.3	2.9	0.2	0.5	0.5	4.2	8.2	0.0	10.3	0.3	0.8	0.0	0.0	0.7	25.5	6.1	0.2
19	11.2	0.1	0.7	2.2	0.4	0.6	0.5	17.5	1.0	0.1	0.4	2.2	0.0	0.0	0.5	0.3	1.0	0.6	0.1	0.0	0.7	25.5	6.1	0.2
20	0.5	0.1	2.1	0.3	10.7	0.4	17.9	1.4	0.1	1.1	0.3	1.6	1.4	29.1	0.5	0.2	24.2	1.1	0.8	0.0	0.7	25.5	6.1	0.2
21	1.6	0.0	0.4	0.3	3.1	0.3	0.6	3.1	0.1	21.2	1.2	1.1	101.7	28.7	0.5	0.1	28.2	25.3	0.1	0.0	0.7	25.5	6.1	0.2
22	0.0	1.1	0.3	4.4	0.3	0.3	0.7	6.6	0.1	6.6	0.1	0.6	0.8	26.1	18.4	10.6	2.6	0.1	0.0	0.0	0.7	25.5	6.1	0.2
23	30.9	3.3	2.1	0.3	0.2	2.5	0.2	0.4	8.8	0.2	6.9	0.4	0.6	0.6	0.6	1.3	1.0	5.0	0.1	0.0	0.7	25.5	6.1	0.2
24	1.4	6.9	0.4	0.2	6.8	0.3	0.3	8.3	0.2	60.0	35.4	0.4	16.9	1.1	1.1	1.2	1.2	0.8	0.0	0.0	0.7	25.5	6.1	0.2
25	0.4	8.5	0.5	26.3	2.0	1.2	0.2	0.2	7.7	0.5	3.8	0.3	2.0	1.4	1.6	0.6	156.6	129.4	0.1	0.0	0.7	25.5	6.1	0.2
26	0.2	0.4	3.8	1.5	1.8	0.2	5.9	0.1	0.6	0.2	3.7	1.8	0.2	0.5	0.8	0.5	12.4	0.8	0.1	0.0	0.7	25.5	6.1	0.2
27	114.4	53.6	0.3	2.8	0.6	0.1	0.8	0.1	0.1	30.4	2.6	0.6	0.6	0.5	0.3	2.8	2.8	0.1	0.1	0.0	0.7	25.5	6.1	0.2
28	0.5	22.1	0.1	0.4	0.4	0.1	0.1	0.0	7.9	0.1	0.7	0.6	0.6	0.3	50.2	12.5	1.5	1.6	0.0	0.0	0.7	25.5	6.1	0.2
29	0.0	2.5	0.0	0.2	0.1	0.0	0.6	0.1	0.0	0.6	0.1	11.7	0.8	0.3	0.2	0.5	6.5	28.0	2.4	0.0	0.7	25.5	6.1	0.2
30	0.0	1.2	0.0	0.0	0.1	3.7	0.1	0.0	0.1	45.2	28.0	0.3	0.3	0.2	0.2	1.5	113.1	108.6	0.0	0.0	0.7	25.5	6.1	0.2
31	0.8	0.8	0.1	115.2	49.4	0.0	23.9	12.8	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.7	25.5	6.1	0.2
total	249.7	137.4	103.9	23.1	302.9	180.3	241.7	100.1	229.0	63.5	99.2	26.9	331.6	143.3	383.0	283.1	184.5	54.4	201.3	52.0	498.7	351.7	70.6	44.1

付表 - 1 . 袋山沢 A 流域の日降水量と日流出量 (つづき)

FUKUYOYAMASAWA A 2004

unit: mm/day

annual precipitation: 2595.3

annual runoff:

1232.6

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	0.0	0.0	7.1	0.0	0.6	1.2	0.2	47.3	7.1	0.1	0.0	0.0	0.0	0.3	1.2	17.4	9.8	0.2	0.2					
2	0.0	16.2	0.1	8.6	0.0	20.9	3.4	0.1	1.5	0.1	0.0	0.0	0.0	0.1	0.6	5.4	0.2	0.2						
3	0.0	0.0	0.1	0.0	1.3	3.6	0.1	0.6	1.3	0.1	0.0	0.0	0.0	0.0	34.7	4.2	2.3	0.1						
4	0.0	0.0	0.0	14.0	0.6	5.2	0.1	0.4	0.4	0.1	0.0	52.7	2.0	10.1	10.2	1.3	12.9	0.2	0.2					
5	0.0	0.6	0.0	0.5	1.1	13.0	0.4	0.3	1.1	1.0	0.0	23.5	20.9	86.5	78.2	0.8	48.9	21.1	0.2					
6	0.0	0.0	4.4	0.0	0.5	0.5	0.2	34.0	2.7	0.1	0.0	1.8	1.9	17.1	0.6	0.6	4.2	0.2	0.2					
7	0.0	0.0	0.0	0.0	0.3	0.1	33.5	15.8	0.1	0.0	12.0	0.6	2.8	0.4	3.4	0.2	0.2	0.2						
8	0.0	0.0	0.0	1.7	0.3	4.2	0.1	4.2	0.0	0.0	3.1	0.3	150.3	31.2	0.3	0.3	2.0	0.2	0.2					
9	0.0	0.0	0.0	0.0	0.3	13.5	0.1	50.1	9.0	0.0	17.0	0.2	165.7	283.6	0.2	0.2	0.4	0.4	0.2	0.2				
10	0.0	0.0	0.0	0.0	0.2	12.9	1.3	0.5	22.2	1.0	0.0	0.5	0.2	11.8	0.2	0.2	0.3	0.2	0.2	0.2	0.2			
11	0.0	0.0	0.0	0.0	0.1	0.1	0.7	28.1	3.0	0.0	0.0	0.2	6.7	3.6	7.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2		
12	0.9	0.0	6.1	0.0	0.0	0.0	0.2	2.0	14.7	0.0	0.0	0.2	14.9	3.7	133.0	85.9	0.5	0.5	0.2	0.2	0.2	0.2		
13	10.4	0.1	2.9	0.0	0.1	0.5	0.1	8.7	3.4	0.0	0.0	0.2	39.5	34.7	4.7	0.5	0.2	0.2	0.2	0.2	0.2	0.2		
14	0.0	2.9	0.0	10.4	0.1	17.7	1.7	1.8	0.0	0.0	0.0	1.8	0.0	7.9	3.9	1.9	0.1	0.1	0.1	0.1	0.1	0.1		
15	0.0	0.0	0.0	0.0	0.2	0.4	0.4	1.1	0.0	0.0	15.2	0.0	0.1	3.1	34.5	12.7	24.2	1.0	1.0	1.0	1.0	1.0		
16	0.0	0.0	0.0	0.0	1.2	1.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	3.7	0.5	0.5	0.5	0.5	0.5	0.5		
17	4.0	0.0	0.0	0.0	0.1	0.5	0.5	0.5	0.5	0.0	2.4	0.0	0.0	1.3	0.0	1.7	0.2	0.2	0.2	0.2	0.2	0.2		
18	3.0	0.0	24.3	0.4	0.0	1.0	0.3	0.4	0.4	0.0	0.4	0.0	0.0	0.8	42.1	5.4	0.1	0.1	0.1	0.1	0.1	0.1		
19	9.5	0.1	0.0	0.5	0.1	5.7	0.0	39.2	2.5	0.3	0.0	0.0	0.0	35.3	1.6	10.0	17.6	3.3	3.3	3.3	3.3	3.3		
20	2.5	0.0	26.9	1.9	39.1	7.3	16.5	10.4	0.2	0.0	0.0	0.0	0.0	122.1	63.5	2.0	4.2	4.2	4.2	4.2	4.2	4.2		
21	0.0	0.0	0.0	0.4	0.6	45.9	38.6	21.5	0.4	0.0	0.0	0.0	0.0	6.6	33.1	2.2	0.1	0.1	0.1	0.1	0.1	0.1		
22	0.0	24.5	0.0	38.0	6.1	0.2	0.5	3.5	0.5	0.0	0.0	0.0	0.0	3.4	1.3	0.0	0.1	0.1	0.1	0.1	0.1	0.1		
23	0.0	5.5	0.5	2.2	0.2	5.7	1.7	0.2	0.2	0.0	15.5	0.0	0.0	1.4	1.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1		
24	0.0	0.0	2.5	0.4	0.1	1.2	1.2	0.2	0.2	0.0	6.2	0.1	11.9	0.0	0.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0		
25	0.0	0.0	7.5	0.3	0.1	0.6	13.8	0.2	0.2	0.0	59.0	15.1	0.6	0.4	0.5	0.0	0.4	0.5	0.0	0.0	0.0	0.0		
26	0.0	0.0	7.5	2.5	0.1	0.3	1.1	0.2	1.2	0.0	0.0	0.5	1.2	13.6	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0		
27	0.0	0.0	69.6	13.4	0.3	0.3	0.1	0.1	0.1	23.7	0.1	0.3	0.4	0.3	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8		
28	0.0	0.0	0.0	0.2	0.4	4.9	0.3	0.2	38.4	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3		
29	0.0	2.2	0.0	0.1	0.8	0.8	0.2	35.5	2.4	87.0	17.6	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4		
30	0.0	0.0	75.4	16.5	0.4	0.5	0.2	0.2	7.2	0.1	2.1	1.9	36.3	21.5	33.8	2.1	0.2	0.5	0.1	0.1	0.1	0.1		
31	0.0	0.0	3.8	39.2	1.6	0.1	10.5	0.1	15.9	2.9	62.1	52.7	29.3	3.2	2.9	3.2	3.2	3.2	3.2	3.2	3.2	3.2		
total	30.3	0.2	54.8	0.7	213.1	70.9	162.5	38.1	190.1	67.5	240.6	92.3	94.2	3.4	169.0	22.6	256.0	72.2	784.3	659.4	263.0	166.8	137.4	

付表 - 1 . 袋山沢 A 流域の日降水量と日流出量 (つづき)

FUKUYOYAMASAWA A 2005

unit: mm/day

annual precipitation: 2121.5

annual runoff:

876.4

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	1.3	0.0	0.0	0.2	0.4	0.2	2.3	13.6	1.0	0.5	0.3	0.1	0.1	0.1	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
2	0.3	0.0	0.1	0.3	30.3	4.3	14.5	1.0	0.6	1.1	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.1	0.1	0.0
3	0.2	0.0	6.1	0.1	0.2	0.9	28.0	16.0	2.8	0.6	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.1	0.1	0.0
4	4.3	0.1	0.0	7.4	0.6	17.4	0.7	0.5	0.5	7.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.1	7.4	0.0
5	0.1	0.0	0.0	14.1	1.9	0.3	0.4	1.1	1.1	3.2	0.2	0.2	63.8	10.5	24.0	0.5	0.5	0.5	0.5	0.5	0.5	0.1	1.5	0.0
6	5.7	0.1	0.0	1.6	1.6	0.2	15.2	0.4	0.7	8.5	1.6	0.2	9.4	17.0	7.5	1.0	36.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0
7	0.2	0.5	0.0	0.8	0.1	7.6	1.6	0.5	2.3	1.1	0.2	8.2	2.6	8.0	0.4	10.9	6.7	6.7	6.7	6.7	6.7	6.7	6.7	0.0
8	0.1	13.3	0.1	0.5	0.1	0.6	0.4	0.4	0.7	0.7	0.2	0.2	0.2	1.0	23.4	5.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0
9	0.0	0.0	0.0	0.3	0.0	0.4	0.4	0.3	21.5	0.6	0.3	0.3	15.6	0.3	0.7	29.8	4.3	4.3	4.3	4.3	4.3	4.3	4.3	0.0
10	0.0	11.7	0.3	0.2	0.1	0.2	27.4	1.3	86.7	73.3	0.1	0.1	0.1	0.1	0.5	12.3	7.2	7.2	7.2	7.2	7.2	7.2	7.2	0.0
11	0.0	0.1	24.2	1.7	54.9	6.7	3.4	0.1	2.7	1.4	0.1	0.6	0.4	0.5	2.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0
12	0.5	0.0	0.0	1.6	7.7	7.3	0.1	0.6	1.8	3.6	0.1	1.1	1.1	0.4	0.5	1.1	29.9	0.4	0.4	0.4	0.4	0.4	0.4	0.0
13	0.0	0.0	0.0	0.5	3.1	2.4	0.1	0.3	0.9	0.6	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0
14	0.0	0.0	0.0	0.4	1.2	0.1	0.5	0.3	2.2	0.5	0.1	0.1	0.1	0.1	0.3	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0
15	37.9	0.7	0.0	0.3	0.7	4.3	0.1	35.9	6.4	0.4	0.1	0.4	0.6	0.1	0.3	1.1	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0
16	23.9	10.7	21.4	0.8	0.7	0.2	0.4	0.1	30.7	11.4	0.3	0.3	0.6	0.0	0.2	31.0	4.9	4.9	4.9	4.9	4.9	4.9	4.9	0.0
17	2.0	2.0	0.5	6.6	0.2	0.3	0.0	7.2	7.2	0.2	0.2	0.2	0.2	0.0	0.2	8.4	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0
18	0.7	1.5	0.2	0.8	0.2	0.5	0.2	2.1	2.1	0.2	0.2	0.2	0.2	0.0	0.1	41.0	15.1	15.1	15.1	15.1	15.1	15.1	15.1	0.0
19	0.4	26.0	1.7	0.2	6.9	0.3	1.4	0.0	1.2	0.1	0.0	0.0	0.0	0.0	0.1	8.9	10.1	10.1	10.1	10.1	10.1	10.1	10.1	0.0
20	0.3	1.0	3.4	0.2	18.7	0.6	0.1	0.0	10.9	1.5	0.1	0.1	0.1	0.0	0.1	0.1	2.8	0.1	0.1	0.1	0.1	0.1	0.1	0.0
21	0.2	0.6	0.6	0.2	30.4	15.2	0.0	0.8	0.8	0.1	0.1	0.1	0.1	0.0	0.1	3.8	1.5	1.3	1.3	1.3	1.3	1.3	1.3	0.0
22	0.1	0.3	7.1	0.3	1.8	1.4	0.0	101.4	72.5	0.1	0.1	0.0	0.0	0.0	0.1	2.5	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.0
23	3.0	0.1	0.2	47.7	8.4	0.8	0.0	4.7	6.4	5.2	0.1	0.0	1.1	0.2	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0
24	0.5	0.1	11.9	0.1	2.9	4.9	0.5	0.0	2.2	0.5	0.1	3.2	0.0	26.6	0.6	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.5	0.1	13.5	3.9	1.3	2.1	0.5	0.0	1.0	10.9	0.2	113.7	15.7	51.0	10.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0
26	10.5	0.1	0.8	0.5	15.5	1.1	0.8	0.0	0.6	130.2	58.9	199.3	230.3	0.9	2.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.1	0.4	0.4	0.3	0.3	0.6	0.0	0.4	0.4	11.1	4.0	1.4	1.4	0.3	11.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.1	0.3	38.3	3.9	0.5	0.5	0.0	0.3	0.3	2.5	0.3	1.4	1.4	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0
29	0.5	0.1	5.9	5.9	0.5	0.0	15.3	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	0.8	0.8	0.0
30	0.5	0.1	1.2	1.2	0.3	71.9	3.2	11.3	1.2	0.3	7.6	0.6	0.6	0.1	5.9	0.2	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	63.2	47.0	0.7	63.2	47.0	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0
total	87.8	18.3	102.8	13.7	155.9	39.4	157.2	44.3	195.3	60.3	283.8	144.7	319.5	174.0	344.7	256.5	161.8	48.9	223.2	64.7	80.0	11.6	9.5	0.0

付表 - 1 . 袋山沢 A 流域の日降水量と日流出量 (つつき)

FUKUROYAMASAWA A 2006

unit: mm/day

annual precipitation: 2779.3

annual runoff: 1447.8

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	0.0	55.8	22.0	32.9	10.7	0.1	0.9	0.2	0.3	0.8	0.2	0.2	0.2	23.3	1.0	8.7	0.5	0.3	0.9	0.7	0.2	0.2	0.3	0.9
2	7.3	0.0	0.5	7.9	0.2	15.2	22.0	0.8	6.8	0.9	0.2	0.2	0.2	0.6	22.4	4.6	0.2	0.2	22.4	4.6	0.2	0.2	0.2	0.7
3	0.0	0.0	2.6	1.9	3.3	0.5	0.7	0.8	0.8	0.8	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	3.8	1.9	0.2	0.2	0.4
4	0.0	0.0	1.5	1.8	0.5	0.2	0.5	0.5	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	5.5	1.1	0.2	0.2	0.3	
5	0.0	0.0	1.2	1.1	28.9	3.2	0.4	0.1	63.6	10.1	0.4	0.1	63.6	10.1	0.4	0.1	48.5	16.2	0.6	0.1	0.1	0.1	0.2	0.2
6	0.0	0.0	0.9	0.2	0.8	1.7	0.3	0.3	16.3	11.7	0.1	2.2	0.1	2.2	0.1	175.4	170.8	1.1	1.8	7.8	35.4	10.7	0.2	0.1
7	4.6	0.0	7.6	1.0	0.6	0.6	10.5	0.2	0.1	0.9	0.9	0.9	30.8	3.0	0.5	0.3	0.0	0.0	0.6	0.6	0.1	0.1	0.1	0.1
8	0.0	0.0	0.8	0.3	0.4	8.0	0.2	0.1	0.6	46.6	32.4	0.2	1.8	0.2	1.8	0.2	1.8	0.2	1.8	0.2	0.0	0.0	0.6	0.1
9	1.5	0.0	0.5	0.4	10.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.0	16.2	0.4
10	3.6	0.0	0.4	0.4	10.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.0	16.2	0.4
11	0.0	0.0	0.4	0.4	0.4	0.4	15.4	1.4	18.9	1.1	0.3	0.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.6	16.0	0.3	0.2
12	0.0	0.0	0.4	0.3	22.7	0.4	15.4	1.4	18.9	1.1	0.3	0.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.6	16.0	0.3	0.2
13	0.0	0.0	0.2	0.2	215.8	226.5	0.9	0.6	0.9	0.2	12.2	1.4	7.0	0.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	10.0	0.4	0.4
14	127.5	41.4	0.2	0.2	0.2	4.6	24.7	2.0	2.4	0.4	0.2	0.2	0.9	5.4	0.1	0.5	0.1	0.1	0.5	0.1	0.1	2.9	0.4	0.4
15	3.9	0.2	0.2	1.5	4.3	3.9	0.3	0.1	0.6	4.9	0.2	0.3	1.0	0.2	0.3	1.0	0.1	0.1	0.2	0.3	1.0	0.1	10.2	0.4
16	2.1	0.4	14.1	0.5	44.1	1.5	5.3	0.7	0.5	55.8	28.0	0.1	8.9	0.6	0.1	9.4	0.5	0.1	0.3	0.3	0.1	0.1	9.7	3.4
17	0.5	0.2	0.5	0.4	1.0	8.6	0.7	0.5	1.8	0.3	10.8	3.6	10.7	0.1	15.0	0.7	3.8	0.0	0.2	0.2	0.0	0.0	2.7	0.6
18	0.1	0.2	7.3	0.9	0.4	13.2	0.2	15.9	7.0	40.8	5.8	0.1	15.1	0.4	0.1	15.1	0.4	0.1	0.1	0.1	0.5	0.0	0.0	0.3
19	0.1	0.1	0.1	5.7	1.0	1.6	0.2	5.4	0.3	61.7	32.7	1.7	0.5	0.2	0.1	45.4	3.0	0.2	0.2	0.1	45.4	3.0	0.2	0.2
20	0.1	37.4	4.1	0.6	12.4	0.6	21.6	5.0	1.8	0.5	5.1	3.9	0.4	0.4	0.0	0.2	46.9	26.6	0.2	46.9	26.6	0.2	0.2	0.2
21	4.7	0.4	4.4	0.3	0.5	0.4	1.7	1.0	10.3	2.4	0.3	0.3	0.0	0.0	0.0	0.1	0.5	1.9	0.2	0.1	0.5	1.9	0.2	0.2
22	9.4	0.6	1.1	10.5	0.2	0.5	0.2	0.6	0.8	1.1	1.8	0.2	0.2	0.2	0.0	19.9	0.4	0.8	0.8	0.0	0.0	0.8	0.1	0.1
23	5.2	0.8	1.0	24.7	9.0	3.2	0.1	1.2	0.3	1.4	0.6	29.7	12.7	0.1	0.0	35.1	3.3	11.3	0.8	0.0	0.0	0.8	0.1	0.1
24	11.0	0.7	11.0	1.0	0.5	2.5	0.5	0.1	0.6	0.2	0.1	3.6	0.1	0.1	0.0	56.1	33.4	7.7	2.6	0.0	0.0	2.6	0.1	0.1
25	4.2	0.7	0.4	1.8	1.1	9.7	0.5	0.1	0.5	1.6	1.9	0.1	0.1	0.1	0.1	0.6	2.5	1.2	2.6	0.0	0.0	1.2	0.1	0.1
26	1.0	0.7	58.2	40.9	2.6	0.9	0.0	0.4	0.0	7.8	0.5	1.2	13.8	0.5	89.2	9.3	1.4	23.6	3.1	23.6	3.1	225.2	142.8	142.8
27	0.6	0.4	12.7	0.6	11.4	1.0	35.0	0.6	0.3	0.8	0.8	0.8	91.5	0.9	34.9	27.9	39.9	74.5	0.9	34.9	27.9	39.9	74.5	74.5
28	0.7	3.0	1.6	0.5	2.2	1.5	40.7	25.5	0.2	0.6	0.1	4.3	2.9	0.6	0.1	4.3	2.9	0.6	0.6	0.1	4.3	2.9	0.6	4.5
29	0.6	0.7	2.6	0.4	4.9	1.1	1.7	2.6	0.1	0.4	0.5	1.0	1.4	9.3	1.0	1.4	9.3	1.0	2.0	1.0	1.4	9.3	1.0	2.3
30	0.5	0.5	0.5	0.3	0.5	1.1	0.7	0.7	0.2	0.4	0.4	4.7	0.1	0.8	0.5	0.5	0.5	1.2	1.4	0.5	0.5	1.2	1.4	1.4
31	4.2	0.7	0.2	0.2	0.2	0.4	0.4	0.4	0.4	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.4	0.4	0.1	0.1	0.4	0.4	1.0
total	186.8	53.2	185.9	111.4	146.8	64.2	344.3	250.8	198.9	53.2	151.7	54.4	239.0	97.4	147.0	50.3	261.1	113.1	396.0	284.8	200.7	77.1	321.1	237.9

付表 - 1 . 袋山沢A流域の日降水量と日流出量(つづき)

FUKUYOYAMASAWA A 2007

unit: mm/day

annual precipitation: 2088.5

annual runoff:

738.4

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	1.1	0.8		0.1		0.2	0.6	0.1	11.9	0.2	0.2	1.6	0.0	0.4	0.0	0.0	0.0	0.0	9.2	2.2	0.5	0.4	0.0	0.0		
2	1.7	0.7		0.1		0.1	0.6	0.1	21.6	6.2	0.2	5.4	0.0	1.3	0.3	0.0	1.1	1.1	1.1	5.2	0.3	0.2	17.0	0.3		
3	7.2	0.7		0.0		0.1	25.9	0.9		1.0	0.1	0.0	0.0	1.9	0.3	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.3		
4	0.5	0.0		0.0		0.1	2.9	0.7		0.6	0.1	8.8	0.0	0.2	0.6	0.0	0.3	0.0	0.0	0.0	0.0	0.1	0.0	0.0		
5	0.4	0.0		0.0		0.4	19.4	0.3		0.5	0.1	3.1	0.1	0.2	14.1	0.0	0.2	0.0	0.5	0.2	1.0	0.1	0.0	0.0		
6	54.0	16.9		0.0		1.6	0.7	0.1	45.1	12.2	0.1	0.0	0.0	0.2	63.3	4.0	0.2	0.1	0.5	0.1	0.5	0.1	0.0	0.0		
7	4.8	0.0		0.0		0.0	5.9	0.1		4.1	0.1	9.7	0.1	0.1	91.0	52.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
8	0.5	1.6		0.0		0.1	2.4	0.2		1.1	0.1	0.4	0.1	0.0	0.0	0.0	0.0	0.0	1.1	21.9	1.3	0.0	0.0	0.0		
9	0.9	0.0		0.0		0.1	4.7	0.4		0.7	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.3	8.3	0.0	0.0	0.0		
10	0.7	0.0		0.0		0.1		0.1		4.2	13.3	0.2	3.6	0.0	0.0	0.0	0.0	0.0	0.4	0.1	31.8	2.4	0.0	0.0		
11	0.6	0.0		0.0		44.1	9.7	0.1		4.5	14.3	0.6	71.6	18.7	0.0	21.2	0.8	0.1	0.1	0.1	3.1	1.0	0.4	0.0		
12	0.5	0.0		0.0		1.0	1.0	1.0		1.0	0.1	10.7	1.4	0.0	102.5	62.6	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.0		
13	0.4	0.0		0.0		0.4	0.4	0.1		0.7	0.0	2.6	0.9	0.0	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.1	4.4	0.0		
14	0.3	20.7		0.3		0.2	21.5	1.7		0.5	25.8	0.7	149.9	88.6	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0		
15	0.2	0.1		0.1		0.1	0.1	0.2		0.5	3.7	3.1	91.6	106.7	0.0	0.0	0.0	0.0	0.8	0.5	0.0	0.1	0.0	0.0		
16	0.2	0.0		0.0		0.1	13.5	0.3		0.3	0.0	0.4	6.3	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0		
17	4.3	0.2		1.6		0.0	0.8	0.1	18.3	5.1	23.4	1.0	0.0	0.2	22.5	6.3	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0		
18	0.1	32.9		3.9		0.8	0.1	19.9	1.8	0.5	0.1	3.6	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
19		0.1		0.5		0.1	16.7	11.5		0.3	0.1	1.6	0.0	0.0	0.0	0.0	0.0	0.2	27.5	0.6	5.7	0.0	0.0	0.0		
20	0.1	4.2		0.2		0.1	0.0	1.5		0.3	0.0	0.0	0.8	0.0	0.2	0.2	0.0	0.0	0.9	9.3	0.1	0.0	0.0	0.0		
21	2.3	0.1		0.2		0.0	0.0	0.6		0.2	0.0	6.3	0.6	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
22	7.4	0.1		0.5		0.1	0.0	0.5		0.1	13.6	0.1	26.8	7.8	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	9.3	0.0		
23	0.1	31.3		5.3		0.0	1.1	0.3		0.1	1.6	0.1	2.8	3.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	23.5	5.1		
24	0.0	0.0		1.1		0.0	3.2	0.2		0.1	4.9	0.1	1.3	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7		
25	0.0	0.0		0.3		59.0	11.4	29.6	6.3	85.2	24.0	2.7	0.1	1.0	3.6	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0		
26	6.4	0.1		0.1		1.1	0.5	1.5		10.1	0.1	0.6	0.0	0.6	0.0	0.0	0.0	0.0	18.2	0.3	0.0	0.0	0.0	0.0		
27	1.6	0.2		0.1		0.6	0.3	0.6		1.3	0.5	0.0	0.6	0.0	18.4	0.4	161.5	93.2	0.0	0.0	0.0	0.0	0.0	0.0		
28	0.1	11.7		0.6		1.2	0.2	3.2		0.6	0.0	0.5	0.0	0.0	0.2	0.0	0.0	0.0	12.1	3.1	0.0	0.0	7.5	0.0		
29	0.1					0.2	0.2	0.3		0.3	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	1.7	2.1	0.0	0.0	58.7	20.0		
30	0.1					14.7	0.5			0.2	17.3	1.1	0.5	0.0	48.7	8.0	0.0	0.0	0.8	0.5	0.0	0.0	1.2	0.4		
31	0.1					0.2	0.2			0.4	1.6	0.6	0.6	0.0	1.6	0.5	0.0	0.0	1.6	0.5	0.0	0.0	0.0	0.0		
total	86.5	31.7		102.9		13.0	144.6	27.9	170.5	36.6	237.3	78.8	81.4	7.1	443.6	252.9	16.6	1.7	368.4	139.3	243.5	116.4	71.1	5.3	122.1	27.7

付表 - 1. 袋山沢A流域の日降水量と日流出量(つつき)

FUKUYOYAMASAWA A 2009 unit: mm/day annual precipitation: 2556.8 annual runoff: 955.5

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	0.1	0.1	2.5	3.9	12.7	0.2	0.3	1.4	0.9	0.5	4.2	0.3	0.5	5.1	2.8	0.0	0.6	0.5	2.8	0.0	39.3	1.8	0.4	
2	0.1	0.1	0.9	2.3	10.3	1.0	0.3	0.5	1.0	1.0	2.4	0.3	1.2	0.2	0.6	25.5	0.6	25.5	0.6	7.2	9.1	0.2	0.2	
3	0.0	0.0	0.6	0.7	0.7	0.2	0.2	0.5	0.4	1.8	1.0	0.2	0.1	0.1	0.3	25.5	3.4	0.3	25.5	3.4	7.2	0.7	1.2	
4	0.0	0.0	0.4	1.1	1.0	0.1	0.2	2.1	0.3	3.5	0.7	0.2	0.1	0.5	0.2	0.1	0.5	0.2	0.3	0.3	0.3	0.5	1.7	
5	0.0	0.0	0.3	0.9	0.9	0.1	0.650	11.4	0.3	0.4	0.4	0.1	0.1	0.1	0.1	8.0	0.1	0.1	8.0	0.1	0.1	0.2	26.0	
6	0.0	0.0	0.2	42.2	0.1	48.0	27.4	6.2	5.9	0.4	0.4	0.0	0.0	0.1	35.4	5.0	0.1	35.4	5.0	0.1	0.1	0.1	9.9	
7	0.0	0.0	0.1	5.7	4.3	0.0	17.0	13.0	1.5	0.4	0.4	0.0	0.0	0.0	20.0	5.7	0.0	20.0	5.7	0.0	0.1	0.1	1.9	
8	0.0	0.0	0.1	5.7	1.3	0.0	10.5	9.8	0.6	0.3	0.3	0.0	0.0	0.0	58.4	38.3	0.0	58.4	38.3	0.0	0.1	0.1	1.0	
9	9.9	0.1	0.1	5.7	1.0	0.0	3.0	0.4	0.6	0.3	0.5	0.0	0.5	0.0	0.5	0.0	0.5	0.0	0.5	0.0	1.5	0.1	0.7	
10	0.1	0.5	0.1	14.1	5.4	0.0	1.6	0.3	0.1	131.9	54.2	0.1	37.1	32.5	0.0	0.5	4.6	0.0	0.5	4.6	0.1	0.1	0.5	
11	0.0	0.5	0.0	2.2	1.1	0.0	0.9	19.1	1.5	0.1	0.1	0.9	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	113.1	49.4	
12	0.0	0.0	0.0	1.1	0.8	0.0	0.7	0.7	0.5	0.0	0.0	0.7	0.1	0.1	4.0	5.9	0.0	4.0	5.9	0.0	0.2	0.2	13.5	
13	0.0	0.0	0.0	1.0	0.8	0.0	0.6	0.3	0.3	0.0	0.0	0.6	0.1	1.2	1.6	0.0	0.0	1.2	1.6	0.0	0.1	4.0	18.5	
14	0.0	6.3	0.1	25.1	4.3	46.0	0.4	0.2	0.2	0.1	0.1	0.4	0.1	0.6	0.0	0.5	0.0	0.5	0.1	16.7	2.2	2.0	2.6	
15	0.0	0.1	0.1	2.1	10.3	13.0	0.2	0.1	0.1	0.1	0.1	0.2	0.3	20.8	0.0	0.1	0.0	20.8	0.0	0.1	10.1	5.8	11.5	
16	0.0	0.0	0.0	1.1	0.7	0.0	0.1	8.6	0.1	0.1	0.0	0.1	0.2	6.9	0.0	0.0	0.0	6.9	0.0	0.0	0.0	0.8	0.9	
17	0.0	0.0	0.0	0.7	0.3	0.3	5.0	0.2	0.2	0.5	0.0	0.2	0.2	0.0	0.2	0.0	0.0	0.2	0.0	0.0	29.5	3.3	0.6	
18	0.0	0.0	0.0	0.5	0.0	0.2	0.2	0.2	0.1	0.1	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	0.4	
19	8.0	0.0	0.0	0.4	0.4	0.0	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.0	16.1	2.2	0.3	0.3	
20	0.0	51.1	7.6	11.8	0.7	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.2	
21	5.9	0.0	0.9	0.3	44.0	3.9	0.3	46.9	7.7	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.1	
22	9.1	0.3	0.3	24.2	1.8	0.5	10.7	0.5	2.1	22.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.0	1.6	0.5	0.1	
23	15.5	1.5	54.8	23.2	3.8	1.0	3.0	0.2	0.9	13.9	2.8	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.4	0.0	
24	2.1	0.2	0.5	2.6	0.7	5.5	0.1	41.8	16.9	4.7	0.1	2.6	0.0	0.0	11.4	0.0	0.0	11.4	0.0	7.0	0.3	0.0	0.0	
25	1.1	0.1	4.7	1.4	9.1	0.7	74.0	39.6	2.5	0.0	0.0	0.0	0.0	0.0	9.8	0.1	0.0	9.8	0.1	11.3	1.9	0.0	0.0	
26	0.0	0.0	0.8	0.5	0.5	9.2	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	83.7	21.6	0.0	83.7	21.6	0.0	0.7	0.0	0.0	
27	0.0	22.1	3.0	0.3	0.3	1.9	0.0	0.3	0.6	84.1	12.0	0.0	0.0	0.0	3.1	5.7	0.0	3.1	5.7	0.0	0.4	2.7	0.0	
28	0.0	2.6	3.5	0.2	0.2	0.9	66.0	3.1	60.1	17.8	18.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	12.7	0.2	
29	8.5	0.0	0.0	0.1	0.1	0.5	42.5	35.2	0.5	9.2	15.4	0.0	1.0	0.0	1.0	0.0	1.0	1.0	0.0	5.9	0.1	0.0	0.0	
30	26.1	2.7	0.0	0.1	0.1	0.4	12.0	4.1	43.3	24.5	1.2	35.9	0.6	19.3	0.1	0.3	0.1	0.3	0.1	8.0	0.5	0.0	0.0	
31	87.3	61.5	0.0	0.1	0.1	0.4	101.7	31.4	0.1	0.1	0.1	0.4	101.7	31.4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0
total	173.5	66.7	143.1	48.8	214.5	87.0	204.8	86.6	275.0	117.7	265.6	98.6	174.6	49.7	310.9	126.5	57.0	285.1	84.7	277.2	97.9	175.5	84.8	

付表 - 1 . 袋山沢 A 流域の日降水量と日流出量 (つづき)

FUKUROYAMASAWA A 2010 unit: mm/day

annual precipitation: 2551.3

annual runoff:

1061.4

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	0.1	15.5	0.3	12.9	3.0	0.3	1.2	0.9	0.2	1.0	0.2	2.0	0.0	0.1	0.0	0.0	0.0	0.0	2.5	3.4	74.9	157.5	0.0	0.0
2	0.0	8.8	0.6	10.3	6.8	19.8	1.2	0.6	0.2	4.1	0.2	2.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	4.0	0.0	0.0
3	0.0	0.1	0.1	2.1	0.6	0.4	0.6	0.4	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.5	72.7	28.4
4	0.0	3.1	0.0	16.2	1.8	0.5	0.2	0.3	0.3	2.0	0.0	7.1	0.5	1.0	0.0	0.0	0.0	0.0	26.3	6.8	0.8	0.8	0.8	1.9
5	12.3	0.2	0.0	13.7	12.6	32.1	5.2	0.2	0.2	2.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.6	0.6	0.7	
6	0.0	0.0	0.0	22.1	10.8	0.5	3.9	0.2	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.4	0.4	0.4	
7	0.0	0.0	0.0	18.6	8.6	4.0	1.0	5.0	0.2	33.8	1.2	0.0	33.8	1.2	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	
8	0.0	0.0	0.0	6.8	6.8	0.5	0.5	0.1	0.0	8.7	3.5	0.0	8.7	3.5	0.0	37.0	0.9	0.2	0.0	0.2	0.2	11.3	0.4	0.4
9	0.0	0.0	0.0	21.5	3.4	0.3	0.3	0.1	0.0	29.2	5.4	6.0	0.0	29.2	5.4	26.0	1.1	1.5	75.3	20.7	0.3	0.3	1.5	0.2
10	0.0	1.5	0.0	6.2	10.2	0.5	0.2	0.1	0.0	6.0	1.0	0.0	6.0	1.0	0.1	0.0	0.0	0.0	78.8	82.3	0.1	0.1	3.1	0.1
11	0.0	18.5	0.3	3.1	0.5	0.2	12.5	0.1	0.0	0.8	3.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.5	0.0
12	15.3	0.3	1.5	0.6	1.6	39.5	1.3	6.0	0.3	0.5	2.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	17.2	3.9	0.0	0.0	0.0	0.0
13	0.2	7.7	0.3	1.2	9.5	11.7	4.0	0.1	0.0	14.3	0.9	0.0	14.3	0.9	0.0	0.0	0.0	0.0	3.5	2.5	0.0	0.0	12.3	0.2
14	0.0	1.5	0.3	0.9	0.9	1.4	0.5	0.1	55.0	0.0	4.6	0.7	0.0	4.6	0.7	0.0	0.0	0.0	1.3	0.0	0.0	0.0	28.2	6.7
15	0.0	30.4	6.3	0.8	7.0	0.7	0.0	0.0	9.5	0.0	1.0	0.4	0.0	1.0	0.4	0.0	0.0	0.0	1.0	0.9	3.8	0.1	1.0	1.0
16	0.0	1.5	2.4	44.2	17.6	17.0	0.9	0.0	16.0	0.0	0.2	0.0	0.0	0.2	0.0	24.5	0.2	0.5	0.5	0.5	0.5	0.0	0.3	0.3
17	0.0	0.6	0.6	2.5	33.0	17.7	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.3	18.3	0.3	0.3	0.1	0.1
18	0.0	5.2	0.3	1.4	0.0	2.8	0.0	0.0	69.0	19.4	0.1	0.0	19.4	0.1	0.0	0.0	0.0	0.0	0.0	0.2	3.2	0.1	0.1	0.1
19	0.0	0.5	0.2	1.0	10.0	2.0	4.1	0.0	20.8	28.6	0.1	0.0	28.6	0.1	0.0	0.0	0.0	0.0	2.0	0.2	0.0	0.0	0.0	0.0
20	0.0	0.1	0.1	0.9	16.8	3.0	32.0	1.7	0.5	2.7	0.1	0.0	2.7	0.1	0.0	0.0	0.0	0.0	10.1	0.3	6.7	0.0	12.5	0.0
21	8.4	0.0	0.1	4.7	1.5	1.3	3.7	0.5	0.4	17.7	3.9	3.0	1.7	3.9	0.0	0.0	0.0	0.0	0.2	0.2	0.5	0.1	53.4	26.5
22	0.0	1.5	0.0	0.4	29.8	9.9	0.0	0.1	3.0	1.7	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.1	43.7	8.6	1.6	1.6
23	0.0	0.0	0.0	3.3	0.5	7.6	8.1	23.8	0.4	16.7	2.9	0.0	2.9	0.0	0.0	23.6	0.3	0.3	38.5	2.2	0.6	0.6	0.6	0.6
24	0.0	0.0	0.0	35.3	3.7	0.8	3.0	25.3	6.3	6.3	1.9	0.0	1.9	0.0	0.0	32.2	1.5	0.0	0.0	2.2	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	49.9	23.8	0.0	1.4	1.9	0.0	0.8	0.8	0.0	0.8	0.0	0.0	20.6	3.1	0.0	1.0	5.0	7.2	0.2	0.3	0.3
26	0.0	23.7	1.0	0.5	9.3	0.8	2.1	0.4	1.5	0.5	0.0	0.4	1.5	0.5	0.0	3.5	0.2	0.0	0.5	0.7	15.9	4.1	0.2	0.2
27	0.0	82.3	54.5	2.2	9.2	0.6	2.6	0.2	5.1	0.5	0.0	0.0	0.5	0.0	0.0	96.1	22.5	0.0	0.3	0.3	0.7	0.7	0.1	0.1
28	7.9	0.0	19.6	9.1	1.2	46.2	23.6	0.1	0.4	0.0	0.0	0.4	0.0	0.0	132.8	104.3	52.6	9.3	0.0	0.3	0.3	0.0	0.0	0.0
29	0.0	0.0	0.0	4.2	0.8	6.0	10.9	0.1	0.5	0.3	26.5	0.5	0.5	0.5	0.0	2.5	1.5	11.3	0.0	0.1	0.1	0.1	0.0	0.0
30	0.0	0.0	0.0	7.4	0.5	1.8	3.1	0.2	0.2	33.5	3.8	0.0	3.8	0.0	0.0	25.1	4.2	95.6	58.1	0.1	0.1	0.0	0.0	0.0
31	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.3	0.0	0.0	3.0	10.7	0.0	3.0	10.7	0.0	0.0	0.0	0.0
total	43.9	0.8	222.8	77.1	285.0	141.3	285.6	114.0	132.9	15.5	225.3	63.8	163.8	26.1	35.5	1.5	396.9	139.9	409.4	230.3	174.7	181.0	195.5	70.1

付表 - 1 . 袋山沢 A 流域の日降水量と日流出量 (つづき)

FUKUROYAMASAWA A 2011

unit: mm/day

n/a : data not available

annual precipitation: 2075.5

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	0.1	0.0	26.4	3.4	0.0	5.4	0.0	1.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	n/a
2	0.1	0.0	6.9	4.8	0.0	0.0	0.0	3.3	0.1	0.0	44.0	0.0	0.1	0.0	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	n/a
3	0.1	0.0	0.4	1.0	2.2	0.0	0.0	12.7	0.1	0.0	7.7	0.0	0.1	0.0	7.1	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	n/a
4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.1	0.0	0.0	0.0	0.1	0.0	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	n/a
5	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.9	0.3	0.0	0.0	0.0	0.9	0.0	5.5	0.0	0.0	0.0	0.0	0.0	2.5	n/a	n/a	n/a
6	0.0	0.0	23.7	2.4	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	n/a	19.0	n/a
7	0.0	0.0	0.5	1.0	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	3.0	n/a	13.0	n/a
8	0.0	0.0	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.0	n/a	6.5	n/a
9	0.0	0.0	10.5	0.1	0.5	19.1	0.1	0.2	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	n/a	0.5	n/a
10	0.0	0.0	0.6	0.6	0.0	6.3	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	n/a	0.0	n/a
11	0.0	0.0	0.5	0.4	0.0	49.3	3.6	18.6	0.0	0.0	66.8	18.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.5	n/a	0.0	n/a
12	0.0	0.0	10.5	0.1	0.0	36.7	10.7	0.6	0.0	0.0	0.0	0.6	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	n/a	0.0	n/a
13	0.0	0.0	5.7	0.2	0.0	0.0	0.0	4.8	0.0	0.0	60.7	36.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	n/a	0.0	n/a
14	0.0	0.0	15.8	0.2	0.1	0.0	0.0	0.5	0.0	0.0	0.0	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	n/a	7.5	n/a
15	0.0	0.0	0.8	1.0	0.2	4.8	0.0	0.1	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	n/a	20.7	n/a
16	0.0	0.0	0.0	0.1	3.7	0.0	0.0	0.1	0.0	0.0	12.3	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	n/a	10.9	n/a
17	0.0	0.0	0.0	0.0	0.0	4.7	0.1	3.4	0.0	0.0	13.4	3.7	0.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	n/a	0.0	n/a
18	0.0	0.0	31.2	0.0	0.0	0.5	0.0	20.9	0.0	0.0	20.9	4.6	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	3.0	n/a	0.0	n/a
19	0.0	0.0	1.2	0.0	0.0	29.3	1.5	0.0	0.0	0.0	0.5	4.2	0.0	0.0	62.6	4.3	27.5	0.0	0.5	0.0	119.5	n/a	0.0	n/a
20	0.0	0.0	0.4	0.0	0.0	0.0	0.1	1.6	0.2	0.0	1.1	1.6	0.0	0.2	0.3	107.3	20.5	2.6	0.0	0.0	0.0	n/a	0.0	n/a
21	0.0	0.0	0.3	1.7	0.0	0.0	0.0	1.6	0.1	0.0	1.6	1.1	0.0	0.2	8.7	0.2	70.5	36.8	12.9	0.0	0.0	n/a	0.0	n/a
22	0.0	0.0	0.3	2.3	2.7	0.0	2.7	0.0	5.8	0.0	0.0	0.7	0.0	0.1	4.6	0.3	3.6	2.6	93.2	0.0	0.0	n/a	0.0	n/a
23	0.6	0.0	1.1	0.9	53.4	2.2	1.1	0.0	1.1	0.0	0.0	0.4	0.0	0.0	2.6	0.2	0.0	0.3	12.4	0.0	3.0	n/a	0.0	n/a
24	0.0	0.0	3.0	0.1	6.5	9.1	26.9	1.5	0.3	0.0	0.0	0.3	0.0	0.0	1.5	0.0	0.0	0.1	0.0	0.0	0.5	n/a	0.0	n/a
25	0.0	0.0	0.4	1.3	0.4	0.0	0.3	0.1	0.0	0.0	0.0	0.2	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	n/a	0.0	n/a
26	0.0	0.0	0.1	0.5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	2.7	0.0	1.5	0.0	0.0	0.0	0.0	n/a	0.0	n/a
27	0.0	0.0	0.0	0.1	3.2	0.1	4.7	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.5	0.0	1.0	0.0	0.0	0.0	0.0	n/a	0.0	n/a
28	0.0	0.0	51.9	6.4	0.1	8.6	0.3	25.3	1.2	0.0	0.0	0.1	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	n/a	0.0	n/a
29	0.0	0.0	0.0	0.1	0.1	59.1	22.9	0.0	0.1	0.0	0.0	0.1	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	n/a	0.0	n/a
30	0.0	0.0	0.1	0.1	0.0	67.5	51.5	25.7	1.3	0.0	3.8	0.0	0.0	0.0	3.8	0.0	0.0	0.0	0.0	0.0	0.0	n/a	0.0	n/a
31	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	n/a	0.0	n/a
total	0.6	0.4	188.3	42.2	125.3	226	135.7	14.0	298.0	100.9	256.0	105.0	86.6	3.7	100.7	5.3	239.0	60.3	322.8	0.9	187.5	n/a	135.0	n/a

10/5-12/31 量水堰への土砂堆積による流量過大評価

付表 - 2 . 袋山沢 B 流域の日降水量と日流出量

FUKUROYAMASAWA B 2008

unit: mm/day

n/a : data not available

annual precipitation: n/a

annual runoff:

1281.7

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		0.7		0.2		0.2		0.2		4.8		0.9		3.3		0.1		1.0		13.3		7.7		0.4		7.1		1.1
2		0.5		0.1		0.1		2.0		228		1.3		1.8		1.8		0.1		2.0		2.0		0.4		21.9		3.6
3		0.4		0.3		2.8		1.4		32.4		18.5		38.3		29.9		0.3		0.9		0.9		0.4				3.3
4		0.3		2.4		1.2		1.0		3.5		4.7		3.3		11.5		0.2		0.6		0.6		0.3				1.7
5		0.3		8.5		1.3		0.2		0.8		0.5		2.4		5.7		0.2		14.5		0.5		0.3		n/a		2.3
6		0.3		2.6		1.1		0.1		0.6		1.6		2.0		3.0		0.1		23.5		9.0		0.3				2.2
7		7.2		0.3		8.5		1.6		1.0		1.2		1.9		1.0		0.1		2.6		5.6		0.3				1.2
8		0.4		1.4		1.4		0.1		138.7		79.1		0.4		0.4		0.0		28.1		3.6		0.3				1.0
9		0.3		4.8		1.0		0.1		10.7		0.7		4.8		2.4		0.1		3.5		2.6		0.3		42.2		4.7
10		0.2		1.5		20.7		0.7		21.9		5.7		2.1		2.1		0.1		1.6		3.1		0.4		6.8		19.1
11		0.2		1.7		1.7		0.6		9.8		9.6		3.1		1.6		0.1		24.7		1.4		2.7		0.3		3.0
12		12.4		0.5		13.8		5.0		0.3		0.3		3.5		13.6		0.1		0.0		14.4		0.9		0.2		1.6
13		0.5		3.7		3.7		0.3		1.1		1.9		49.3		32.7		0.0		21.1		0.6		0.2				1.1
14		0.3		1.6		35.4		1.9		7.6		1.8		17.0		11.6		0.0		0.0		33.0		0.6		20.5		3.5
15		0.2		1.0		4.1		7.7		1.4		5.0		0.3		0.3		0.0		8.2		1.3		0.3		0.5		2.5
16		0.2		0.7		0.7		1.1		1.0		2.2		1.0		1.0		0.0		11.8		0.8		4.7		0.4		1.5
17		2.9		0.2		0.6		1.1		7.6		0.9		0.8		0.8		0.0		1.5		0.5		0.5		26.2		3.5
18		0.2		0.4		0.6		72.3		41.2		1.2		0.6		1.0		0.0		10.2		0.2		0.4				7.5
19		0.2		0.4		17.7		0.8		3.6		6.0		14.7		1.3		0.0		29.5		0.8		0.5		0.4		2.3
20		0.1		0.4		53.6		23.1		2.7		101.2		65.6		19.1		0.0		58.6		27.0		0.4				1.4
21		5.7		0.2		0.3		1.1		9.3		4.9		108.0		48.5		0.0		4.1		1.7		0.5		0.4		1.0
22		0.2		0.3		0.3		2.2		1.2		2.1		98.7		74.5		0.0		25.5		9.0		0.2		0.3		1.0
23		18.7		1.3		0.4		1.3		0.9		1.4		2.6		15.9		0.0		172.1		70.1		0.2		0.2		0.8
24		0.5		1.2		0.3		25.6		6.3		10.2		21.3		1.4		0.0		45.1		55.7		33.1		1.4		0.7
25		0.6		0.3		16.4		4.2		10.0		44.2		25.4		2.2		0.0		6.9		8.6		4.7		0.7		0.6
26		0.4		9.9		0.4		0.5		8.9		11.8		2.9		4.8		0.0		2.2		2.2		0.8				0.6
27		0.3		1.8		0.6		2.4		2.6		3.3		2.1		1.7		0.0		1.4		4.6		0.5				0.5
28		0.3		0.3		3.7		1.6		2.0		1.4		0.5		0.5		0.0		1.0		60.0		29.9		0.4		0.4
29		4.0		0.3		0.2		0.5		1.1		1.5		30.6		8.0		26.0		0.8		4.6		3.3				0.4
30		0.3		0.3		13.2		1.4		1.1		6.9		5.2		2.6		17.4		0.6		0.6		1.7				0.4
31		0.2		79.0		28.4		222.8		93.2		14.4		19.6		12.0		7.7		385.8		137.4		50.0		n/a		80.9
total		51.4		11.6		28.4		339.6		213.4		470.4		228.1		472.6		289.4		2038.1		1374.0		50.0		n/a		80.9

付表 - 2. 袋山沢B流域の日降水量と日流出量(つつき)

FUKUROYAMASAWA B 2009 unit: mm/day

annual precipitation: 2556.8 annual runoff: 1225.4

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	0.1		3.3	23.7	7.4	12.7	0.9	0.7	1.4	0.5	4.5	0.9	0.5	8.5	2.8	0.5	39.3	2.9	0.9					
2	0.1		1.3	5.0	10.3	2.1	0.6	0.6	0.9	1.0	2.0	1.2	0.6	1.9	25.5	1.6	7.2	13.2	0.7					
3	0.1		0.8	2.1	2.0	1.1	0.5	0.5	0.5	1.8	1.2	0.6	1.3	25.5	6.6	2.1	18.6	1.5						
4	0.1		0.6	14.9	2.7	1.0	0.9	0.6	2.1	3.5	1.0	0.4	0.5	1.1	1.6	0.9	1.3	0.5	3.0					
5	0.1		0.5	2.5	2.5	0.8	65.0	9.8	11.4	0.5	0.7	0.3	0.3	1.5	8.0	0.9	0.9	62.5	27.4					
6	0.2		0.4	77.1	43.7	0.7	48.0	33.2	27.4	7.0	5.9	0.6	0.3	1.3	35.4	9.1	0.7	0.7	10.6					
7	0.1		0.3	7.5	7.5	0.6	17.0	14.1	2.7	2.7	0.9	0.3	0.3	1.1	20.0	11.2	0.6	0.6	2.2					
8	0.1		0.3	5.7	2.4	0.5	10.5	11.5	1.2	1.2	0.4	0.3	0.3	1.2	58.4	45.2	0.5	0.5	1.2					
9	9.9	0.2	0.2	5.7	1.9	0.4	4.0	4.0	0.8	0.6	0.3	0.5	0.4	1.0	3.8	3.8	0.4	0.4	1.0	0.9				
10	0.5	0.5	0.2	14.1	8.0	0.4	2.0	2.0	0.6	0.6	0.3	131.9	51.5	0.9	0.9	1.8	4.6	0.4	0.7					
11	0.3	0.5	0.2	4.2	4.2	1.3	19.1	1.9	0.2	0.2	37.1	31.4	0.7	0.7	1.2	113.1	54.2	60.0	13.9					
12	0.3	0.2	0.2	2.8	2.8	1.0	1.2	1.2	1.2	0.2	0.2	4.8	5.9	0.5	0.5	0.9	2.5	9.3	4.0	18.6				
13	0.2	0.2	0.2	1.0	2.2	0.8	0.8	0.9	0.9	0.3	0.3	1.7	1.6	0.6	0.6	0.7	16.7	3.6	2.0	2.8				
14	0.2	0.3	0.3	25.1	7.3	46.0	2.8	0.6	1.2	0.5	0.5	1.0	1.0	0.4	0.5	0.6	10.1	8.7	11.5	3.3				
15	0.1	0.3	0.3	4.1	10.3	14.3	0.5	0.5	0.6	0.4	0.2	0.6	20.8	0.7	0.5	0.5	3.9	1.9	1.3					
16	0.1	0.2	0.2	2.5	2.1	1.2	5.0	0.5	0.5	8.6	0.3	0.2	0.5	6.9	1.5	0.4	29.5	5.0	1.0					
17	0.1	0.2	0.2	2.1	1.3	0.9	2.0	0.5	0.5	0.2	0.2	0.1	0.4	0.4	0.4	0.4	8.0	8.0	0.7					
18	8.0	0.5	0.1	1.8	1.8	0.7	0.7	0.5	0.2	0.2	0.1	0.5	0.4	0.4	0.4	0.3	16.1	4.2	0.6					
19	0.2	51.1	9.7	11.8	2.8	0.6	0.6	0.5	0.5	0.2	0.2	0.1	0.4	0.3	0.3	0.3	4.0	4.0	0.5					
20	5.9	0.1	1.7	2.0	44.0	4.5	2.0	4.0	4.6	7.0	1.6	0.2	0.5	0.3	0.3	0.3	2.2	2.2	0.4					
21	9.1	0.7	0.7	24.2	3.5	0.5	10.7	0.5	3.0	22.1	0.4	0.4	0.7	0.3	0.2	0.2	1.6	1.6	0.4					
22	15.5	2.3	54.8	24.1	5.8	2.0	3.0	0.3	0.3	1.3	13.9	1.1	0.6	0.6	0.6	0.2	4.3	1.4	0.4					
23	2.1	0.6	0.5	3.5	2.0	5.5	1.2	1.0	4.1	17.2	4.7	0.4	2.6	0.6	0.2	11.4	0.3	7.0	1.1					
24	1.1	0.3	4.7	1.8	9.1	1.8	74.0	38.6	2.5	0.2	0.2	0.4	0.4	0.4	0.2	9.8	0.6	11.3	3.9					
25	1.1	0.3	1.1	1.6	0.5	9.6	0.6	0.2	0.2	0.2	0.2	0.3	0.3	0.2	83.7	29.0	2.2	2.2	0.3					
26	0.2	22.1	3.9	1.2	1.2	0.8	84.1	12.1	0.4	0.4	12.1	0.4	0.4	0.2	3.1	11.0	1.5	2.7	0.7					
27	0.2	2.6	4.8	1.0	1.0	1.5	66.0	3.9	60.1	17.7	17.8	23.6	0.4	0.3	2.1	2.1	1.2	12.7	0.7					
28	8.5	0.2		0.9	0.9	1.1	42.5	36.9	0.5	9.7	15.4	6.1	0.5	1.0	0.4	1.0	1.3	5.9	1.0					
29	26.1	3.6		0.7	0.7	0.9	12.0	5.0	43.3	22.9	2.9	35.9	1.2	19.3	0.5	1.0	8.0	1.7	0.3					
30	87.3	61.4		0.7	0.7	3.3	101.7	37.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8					
total	173.5	73.6	143.1	61.1	214.5	135.4	204.8	104.5	275.0	134.5	265.6	108.3	174.6	62.7	310.9	140.6	57.0	28.8	285.1	134.8	277.2	143.5	175.5	97.6

付表 - 2 . 袋山沢 B 流域の日降水量と日流出量 (つづき)

FUKUYOYAMASAWA B		2010		unit: mm/day		annual precipitation: 2551.3		annual runoff: n/a		n/a														
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	0.3	15.5	0.7	12.9	4.9	0.9	1.6	0.6	1.0	0.4	0.3	0.0	2.5	5.9	74.9	58.9	0.7							
2	0.3	8.8	2.3	10.3	9.5	19.8	2.7	0.0	0.0	0.4	2.0	0.2	0.0	0.0	0.0	2.1	5.2	0.6						
3	0.3	3.1	1.0	3.1	2.0	1.1	2.0	0.0	4.1	0.4	0.4	0.2	0.0	0.0	1.1	2.4	72.7	32.3						
4	0.3	3.1	0.9	16.2	2.6	0.5	1.2	0.9	2.0	0.0	7.1	0.6	1.0	0.2	0.0	26.3	7.3	1.8						
5	12.3	0.8	0.5	13.7	13.7	32.1	8.0	0.8	2.0	0.0	0.3	0.1	0.0	0.0	0.0	3.0	3.0	1.5						
6	0.4	0.4	0.4	22.1	11.5	0.5	7.0	0.7	0.0	0.0	0.3	0.1	0.0	0.0	0.0	1.4	1.4	1.4						
7	0.3	0.3	0.3	18.6	10.3	4.0	2.5	5.0	0.7	0.0	33.8	1.6	0.9	0.0	0.0	0.9	1.0	1.2						
8	0.3	0.3	0.3	8.6	1.7	0.5	0.6	0.6	0.0	0.0	8.7	4.7	0.1	37.0	0.4	0.6	0.9	11.3	1.5					
9	0.3	0.4	0.4	21.5	4.3	1.3	1.3	0.6	6.0	0.0	29.2	7.0	26.0	1.0	1.5	0.2	75.3	20.3	0.8	1.5	1.1			
10	0.2	1.5	0.7	6.2	11.6	0.5	1.1	0.7	0.0	0.0	8.4	1.0	0.3	0.0	0.0	78.8	73.1	0.7	3.1	0.9	0.9			
11	0.2	18.5	1.4	4.1	0.5	0.9	12.5	0.8	0.0	0.0	1.8	3.5	0.2	0.0	0.0	0.0	5.5	5.5	0.6	0.5	0.8			
12	15.3	0.7	1.5	2.0	2.4	39.5	3.2	6.0	0.9	0.0	1.2	2.0	0.2	0.0	0.0	17.2	5.2	0.6	0.6	0.7	0.7			
13	0.8	7.7	1.2	1.7	9.5	16.8	4.0	0.5	0.0	14.3	1.5	0.2	0.2	0.0	0.0	3.5	4.1	0.5	12.3	1.1	1.1			
14	0.4	1.5	1.4	1.3	2.7	0.5	55.0	0.0	4.6	1.3	0.2	0.2	0.0	0.0	0.0	2.4	0.5	28.2	n/a	n/a	n/a			
15	0.3	30.4	9.2	1.1	7.0	1.9	0.4	9.5	0.0	1.0	0.9	0.2	0.3	0.0	1.0	1.7	3.8	0.5	n/a	n/a	n/a			
16	0.3	1.5	6.0	44.2	18.1	17.0	2.6	0.4	16.0	0.0	0.6	0.2	24.5	0.2	0.2	1.2	0.5	0.5	1.3	1.3	1.3			
17	0.3	1.9	1.9	3.1	33.0	23.8	0.3	0.3	0.0	0.5	0.5	0.2	0.2	0.1	1.0	18.3	1.0	0.9	0.9	0.9	0.9			
18	0.2	5.2	1.3	2.0	2.0	4.9	0.3	69.0	19.6	0.3	0.3	0.1	0.1	0.0	0.0	0.8	3.2	1.1	0.6	0.6	0.6			
19	0.2	0.5	1.0	1.5	10.0	3.4	4.1	0.3	20.8	29.5	0.3	0.3	0.1	0.0	0.0	0.6	0.6	0.7	0.5	0.5	0.5			
20	0.2	0.7	0.7	1.1	16.8	4.5	32.0	2.5	0.5	3.4	0.3	0.0	0.0	0.0	0.0	2.0	0.6	0.9	0.4	0.4	0.4			
21	8.4	0.4	0.7	4.7	1.1	7.3	6.1	0.5	1.1	17.7	5.4	0.2	1.0	0.0	10.1	0.8	6.7	0.8	12.5	0.4	0.4			
22	0.2	1.5	0.7	0.8	29.8	13.1	0.5	3.0	2.9	0.2	0.2	0.0	0.0	0.0	0.6	0.5	0.5	53.4	29.1	2.7	2.7			
23	0.2	0.6	3.3	0.8	7.6	11.0	23.8	0.9	16.7	4.4	0.2	0.0	23.6	0.1	0.0	0.5	43.7	15.2	2.7	2.7	2.7			
24	0.2	0.7	35.3	3.1	0.8	5.1	25.3	9.4	3.6	0.1	0.0	32.2	1.4	38.5	3.1	0.5	2.7	1.4	1.3	1.3	1.3			
25	0.2	0.8	49.9	28.6	2.6	0.8	4.3	4.3	1.7	0.1	0.0	20.6	4.1	1.0	8.0	7.2	1.6	0.9	0.9	0.9	0.9			
26	0.1	23.7	1.4	0.5	11.3	1.8	2.1	1.5	1.5	1.1	0.0	3.5	0.4	0.5	2.0	15.9	7.5	0.6	0.6	0.6	0.6			
27	0.1	82.3	55.5	3.2	9.2	1.5	2.6	1.0	5.1	1.0	0.0	96.1	28.5	1.2	2.5	2.5	0.5	0.5	0.5	0.5	0.5			
28	7.9	0.5	19.6	10.5	2.0	46.2	28.0	0.7	0.8	0.1	0.0	132.8	99.9	52.6	11.3	1.6	0.4	0.4	0.4	0.4	0.4			
29	0.5	0.5	0.5	4.2	1.6	7.7	10.9	1.1	0.5	0.6	26.5	0.5	3.7	1.5	15.6	1.1	0.9	0.9	0.9	0.9	0.9			
30	0.3	0.3	0.3	1.4	1.2	2.6	3.1	1.2	0.5	33.5	3.7	0.0	25.1	4.7	95.6	58.4	0.9	0.9	0.9	0.9	0.9			
31	0.3	0.3	0.3	1.0	1.0	0.8	0.8	0.7	0.0	0.0	3.0	11.6	3.0	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6		
total	43.9	10.1	222.8	104.5	265.0	171.2	285.6	172.6	132.9	38.3	225.3	75.1	163.8	38.8	35.5	4.3	396.9	143.7	409.4	251.9	174.7	115.7	195.5	n/a

付表 - 2 . 袋山沢 B 流域の日降水量と日流出量 (つづき)

FUKUROYAMASAWA B 2011

unit: mm/day

annual precipitation: 2075.5

annual runoff:

948.6

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	0.1	26.4	7.3	0.2	5.4	0.2	0.2	1.6	0.5	0.1	7.7	0.0	0.1	7.7	0.0	0.1	7.7	0.0	0.1	7.7	0.0	0.1	7.7	0.0
2	0.2	2.1	0.1	6.9	9.2	0.2	0.2	44.0	4.2	0.2	44.0	4.2	0.2	8.2	0.1	0.0	8.2	0.1	0.0	8.2	0.1	0.0	8.2	0.1	
3	0.2	0.2	0.4	2.9	2.2	0.2	0.1	1.7	13.8	0.2	0.2	7.1	0.0	0.0	7.1	0.0	0.0	7.1	0.0	0.0	7.1	0.0	0.0	7.1	0.0
4	0.2	0.2	0.2	2.0	2.2	0.1	0.1	0.1	2.5	0.2	0.2	7.1	0.0	0.0	7.1	0.0	0.0	7.1	0.0	0.0	7.1	0.0	0.0	7.1	0.0
5	0.2	0.1	1.4	1.4	0.1	0.1	1.4	0.1	1.2	3.8	0.2	5.5	0.1	0.0	152.8	52.4	2.5	1.8	152.8	52.4	2.5	1.8	152.8	52.4	
6	0.2	9.7	0.2	1.1	0.1	0.1	0.1	0.0	0.2	0.2	0.2	0.0	0.0	0.0	3.1	18.8	5.5	2.2	3.1	18.8	5.5	2.2	3.1	18.8	
7	0.2	0.4	23.7	5.1	0.1	4.7	0.1	0.1	0.5	8.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8	0.2	3.9	0.1	0.5	4.4	0.0	0.1	6.7	0.5	0.1	6.7	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9	0.2	10.5	0.3	3.0	19.1	0.3	0.0	0.0	0.4	0.1	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
10	0.2	0.1	0.1	1.8	0.2	6.3	0.0	0.0	0.3	0.1	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
11	0.2	8.3	0.4	0.5	1.1	0.1	49.3	4.7	66.8	19.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
12	0.2	10.5	0.6	0.6	0.6	0.0	36.7	14.9	0.6	4.6	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
13	0.1	5.7	0.6	0.5	0.5	0.0	8.5	60.7	32.8	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
14	0.2	15.8	0.4	0.4	0.4	0.0	0.0	1.6	4.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15	0.2	0.9	2.1	1.0	0.5	4.8	0.0	0.7	1.7	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16	0.1	0.2	0.4	0.3	0.4	3.7	0.1	0.4	12.3	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17	0.2	0.4	0.3	0.3	0.3	0.3	0.0	4.7	13.4	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18	0.2	65.2	35.6	0.2	0.2	0.0	0.5	0.3	20.9	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19	0.2	2.7	2.7	0.3	29.3	2.5	0.2	0.2	0.5	5.5	0.2	62.6	4.1	27.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20	0.1	1.2	0.4	0.4	0.4	0.4	0.4	0.3	1.1	2.2	16.1	0.4	0.4	0.7	107.3	21.4	2.6	0.2	0.5	0.2	119.5	60.0	2.3	2.2	
21	0.1	0.7	31.5	2.9	0.2	2.7	0.1	0.2	1.6	1.4	27.0	2.7	8.7	8.7	70.5	38.1	12.9	0.2	0.2	0.2	29.7	6.8	2.1	2.1	
22	0.1	0.5	20.3	4.2	2.7	0.1	5.8	0.1	0.9	0.9	0.4	4.6	0.4	3.6	4.5	93.2	47.9	0.2	0.2	0.2	4.6	4.6	2.1	2.1	
23	0.6	0.1	1.1	2.5	53.4	4.3	1.1	0.2	0.6	0.6	0.2	0.6	0.3	0.8	12.4	7.3	3.0	0.8	12.4	7.3	3.0	0.8	12.4	7.3	
24	0.1	3.0	0.4	1.2	6.5	13.3	26.9	1.9	0.4	0.1	1.5	0.2	0.4	0.4	2.5	0.5	3.4	0.4	2.5	0.5	3.4	0.4	2.5	0.5	
25	0.1	0.4	0.4	13.0	1.1	1.3	0.6	0.6	0.3	0.3	0.1	1.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.2	
26	0.1	0.3	0.3	1.4	0.6	0.6	0.3	0.3	0.3	0.3	0.0	2.7	0.1	1.5	0.2	0.7	2.6	0.1	1.5	0.2	0.7	2.6	0.1	1.9	
27	0.1	0.1	0.3	0.8	3.2	0.4	4.7	0.2	0.2	0.2	0.0	0.5	0.1	1.0	0.2	0.4	0.4	0.4	1.0	0.2	0.4	0.4	0.4	1.8	
28	0.1	51.9	8.2	0.5	8.6	0.6	25.3	1.5	0.2	1.9	0.1	0.1	0.1	0.1	0.1	0.3	2.5	0.1	0.1	0.3	2.5	0.1	0.3	1.8	
29	0.1	0.1	0.1	0.4	0.4	0.3	59.1	26.9	0.2	0.6	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
30	0.1	0.1	0.4	0.4	0.4	0.2	67.5	51.8	1.3	7.5	0.1	3.8	0.0	0.2	0.9	0.3	2.2	0.2	0.9	0.3	2.2	0.2	0.9	0.3	
31	0.1	0.1	0.3	0.3	0.3	4.8	4.8	4.8	0.6	0.1	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
total	0.6	4.9	188.3	57.4	125.3	58.6	135.7	25.9	298.0	121.5	256.0	112.4	86.6	6.9	100.7	6.7	239.0	66.3	322.8	141.9	187.5	183.6	135.0	162.5	

付表 - 3 . 袋山沢 C 流域の日降水量と日流出量

FUKUROYAMASAWA C 2008

unit: mm/day

n/a : data not available

annual precipitation: n/a

annual runoff:

1537.2

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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.6	0.6	6.2	3.1	3.3	0.2	0.4	0.4	13.3	6.7	0.3	7.1	0.6		
2	0.3	0.1	0.1	1.3	22.8	1.1	15.5	3.1	1.8	0.1	1.8	1.8	3.1	1.8	0.1	0.1	0.1	1.4	1.4	0.3	21.9	7.8		
3	0.3	4.2	0.2	0.9	32.4	17.3	38.3	29.2	1.2	0.0	0.0	29.2	2.2	1.2	0.0	0.0	0.1	1.2	0.5	0.2	0.2	2.4		
4	0.2	24.3	1.8	0.5	3.5	4.1	3.3	11.3	4.5	0.0	0.0	11.3	4.5	0.9	0.0	0.0	0.0	0.3	0.3	0.2	n/a	1.1		
5	0.2	8.5	1.3	0.4	0.5	2.3	5.7	4.1	0.7	11.9	0.1	4.1	4.1	0.7	11.9	0.1	0.0	14.5	0.3	0.2	n/a	1.7		
6	0.2	2.6	0.9	0.3	0.1	1.3	2.0	2.7	0.5	0.5	0.0	2.7	2.7	0.5	0.0	0.0	0.0	23.5	8.2	0.2	0.2	1.7		
7	7.2	0.2	8.5	0.1	9.3	0.3	0.3	0.3	0.9	0.9	1.6	1.6	1.0	0.4	0.0	0.0	0.1	2.0	2.0	0.2	5.6	0.8		
8	0.2	4.8	1.1	0.1	138.7	81.0	0.6	14.5	2.2	0.4	0.0	2.2	0.0	0.0	0.0	0.0	0.0	26.5	3.6	0.2	0.5	0.5		
9	0.2	0.7	0.1	10.0	0.5	4.8	2.0	0.3	0.5	0.0	0.0	2.0	0.0	0.3	0.5	0.0	0.0	3.3	3.3	0.2	42.2	3.9		
10	0.1	1.0	20.7	0.5	21.9	5.4	23.2	0.8	1.6	0.6	1.6	1.6	1.6	0.3	0.3	0.0	0.0	1.4	1.4	0.2	6.8	17.1		
11	0.1	1.0	1.0	0.4	9.8	10.4	9.6	2.6	1.1	0.0	1.1	1.1	1.1	0.2	8.1	0.0	0.0	24.7	1.2	0.2	0.2	2.3		
12	12.4	0.3	13.8	3.3	3.2	13.6	1.2	23.6	3.9	0.2	3.2	3.9	3.2	0.2	0.0	0.0	0.0	14.4	0.7	0.2	0.2	1.1		
13	0.3	2.5	0.2	0.2	1.1	1.6	49.3	30.6	0.2	0.2	0.0	3.0	3.0	0.2	0.0	0.0	0.0	21.1	0.5	0.1	0.1	0.7		
14	0.2	1.0	35.4	1.5	7.6	1.5	17.0	11.0	1.4	0.2	1.4	1.4	1.4	0.2	0.0	0.0	0.0	33.0	0.4	0.1	20.5	2.8		
15	0.1	0.6	4.1	1.0	5.9	1.0	4.8	0.9	0.9	0.2	0.9	0.9	0.9	0.2	0.0	0.0	0.0	1.0	1.0	0.1	0.1	1.7		
16	0.1	0.4	0.1	1.0	0.7	2.1	0.6	0.6	0.6	0.2	0.6	0.6	0.6	0.2	0.0	0.0	11.8	0.0	8.2	0.5	4.7	0.2	0.5	0.9
17	2.9	0.1	0.3	0.5	7.6	0.6	1.2	0.5	0.5	0.2	0.5	0.5	0.5	0.2	0.0	0.0	0.0	1.5	0.3	0.2	26.2	2.8		
18	0.1	0.2	0.2	0.3	72.3	40.5	0.8	0.8	0.4	0.8	0.4	0.4	1.0	0.2	0.0	0.0	10.2	0.1	0.3	0.2	0.2	6.2		
19	0.1	0.2	17.7	0.6	3.6	5.7	14.7	0.9	0.3	0.2	0.2	0.9	0.3	0.2	0.0	0.0	29.5	0.7	0.2	0.1	0.1	1.7		
20	0.1	0.2	53.6	19.8	2.6	101.2	227.8	19.1	0.7	0.3	0.3	19.1	0.7	0.3	0.0	0.0	58.6	24.1	13.9	0.2	0.1	1.0		
21	5.7	0.1	0.2	1.3	4.9	108.0	51.0	0.7	0.3	0.3	51.0	51.0	51.0	0.3	2.0	0.0	4.1	0.5	0.1	0.1	0.5	0.7		
22	0.1	0.1	1.5	0.9	1.9	98.7	80.6	1.1	0.5	0.5	80.6	80.6	80.6	0.5	0.0	0.0	25.5	6.7	0.1	0.1	0.6			
23	18.7	0.9	0.6	0.2	0.8	0.7	1.1	2.6	16.9	0.6	0.6	16.9	16.9	0.6	0.5	0.0	0.0	172.1	175.3	0.1	0.1	0.5		
24	0.5	0.7	0.1	25.6	5.8	53.3	9.9	21.3	1.2	3.8	1.2	2.6	3.8	0.0	1.0	0.0	0.0	45.1	149.2	33.1	1.3	0.4		
25	0.3	0.1	16.4	3.7	9.3	44.2	26.5	2.0	0.1	0.1	2.0	2.0	2.0	0.1	2.4	0.0	0.0	7.6	8.6	4.0	0.5	0.5		
26	0.2	9.9	0.1	0.5	8.2	11.8	2.7	4.5	11.9	2.1	4.5	11.9	2.1	0.2	2.4	0.0	0.2	2.4	0.2	0.5	0.5	0.5		
27	0.1	1.8	0.3	1.7	2.6	3.1	1.8	1.4	1.4	1.8	1.4	1.4	1.4	0.1	0.5	0.0	0.1	1.3	4.6	0.3	0.4	0.4		
28	0.1	0.1	3.7	1.0	1.8	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.3	0.5	0.0	0.1	0.9	60.0	27.5	0.4	0.4		
29	4.0	0.1	0.1	0.5	0.7	1.0	30.6	7.7	62.0	22.6	2.5	62.0	22.6	0.2	83.0	8.9	26.0	0.6	4.6	2.7	0.4	0.3		
30	0.1	0.1	13.2	0.9	0.8	6.9	4.4	2.6	12.4	4.4	2.6	12.4	12.4	0.2	67.4	11.8	17.4	0.4	0.4	1.3	0.3	0.3		
31	0.1	0.1	27.5	12.5	19.6	10.8	0.8	0.8	19.6	10.8	0.8	10.8	10.8	0.3	0.5	7.2	2.9	0.4	0.4	1.3	0.3	0.3		
total	51.4	6.7	79.0	19.6	222.8	76.1	339.6	203.3	410.4	378.4	412.6	270.7	9.0	14.8	180.7	28.3	183.1	39.7	385.8	394.2	137.4	41.6	n/a	63.8

付表 - 3 . 袋山沢C流域の日降水量と日流出量(つつき)

FUKUYOYAMASAWA C 2009 unit: mm/day annual precipitation: 2556.8 annual runoff: 1265.1

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	0.3	0.3	3.5	7.6	12.7	1.2	0.9	1.4	2.0	0.5	5.8	0.7	0.5	7.1	2.8	0.1	39.3	2.6	0.8	0.8	0.1	39.3	2.6	0.8
2	0.3	0.3	1.4	5.3	10.3	2.6	0.8	0.8	1.3	1.0	2.8	1.2	0.5	1.3	25.5	1.0	7.2	12.3	0.6	0.6	1.0	7.2	12.3	0.6
3	0.2	0.2	0.8	2.1	2.3	1.3	0.7	0.5	1.0	1.8	1.6	0.4	0.8	0.8	25.5	5.0	0.5	1.9	18.6	1.6	1.9	18.6	1.6	
4	0.2	0.2	0.6	14.9	3.0	1.0	1.1	0.6	2.1	0.8	3.5	1.3	0.3	0.5	0.5	0.9	0.9	1.1	0.5	3.1	1.1	0.5	3.1	
5	0.2	0.2	0.5	2.8	2.8	1.0	65.0	11.2	11.4	0.8	0.9	0.2	0.4	0.4	8.0	0.4	0.4	0.8	62.5	28.4	0.4	0.4	0.8	
6	0.2	0.2	0.4	77.1	47.5	0.9	48.0	35.7	27.4	8.7	5.9	0.8	0.2	0.3	35.4	7.2	0.2	0.6	11.5	11.5	0.2	0.2	0.6	
7	0.1	0.1	0.3	8.9	8.9	0.8	17.0	16.1	3.3	3.3	0.7	0.2	0.2	0.2	20.0	8.9	0.2	0.5	2.9	2.9	0.2	0.2	0.5	
8	0.1	0.1	0.3	5.7	3.1	0.8	10.5	13.0	1.6	1.6	0.5	0.5	0.1	0.2	58.4	42.4	0.1	0.4	1.5	1.5	0.2	0.2	0.4	
9	9.9	0.2	0.2	5.7	1.8	0.7	4.9	4.9	1.1	0.6	0.5	0.5	0.1	0.5	0.2	2.8	0.1	0.4	1.0	1.1	0.4	0.4	1.0	
10	0.1	0.1	0.5	0.2	14.1	8.9	0.7	2.6	0.9	0.9	0.4	131.9	55.0	0.1	1.2	4.6	0.3	0.8	0.8	0.8	113.1	54.3	60.0	
11	0.1	0.1	0.5	0.2	4.7	0.7	1.7	19.1	2.4	2.4	0.3	37.1	33.3	0.1	0.8	113.1	54.3	0.4	14.7	0.4	0.4	14.7		
12	0.1	0.1	0.2	2.9	0.6	1.4	2.9	1.4	1.3	0.3	0.3	5.4	5.9	0.1	0.5	2.5	9.7	0.4	19.9	0.1	0.1	4.0	19.9	
13	0.1	0.1	0.2	1.0	2.5	0.5	1.7	0.8	0.8	0.2	0.2	2.0	1.6	0.2	0.4	16.7	3.9	0.4	3.7	0.2	0.2	2.0	3.7	
14	0.1	0.1	6.3	0.2	25.1	7.8	46.0	3.1	1.8	0.7	0.1	1.1	1.1	0.1	0.5	10.1	8.6	0.4	3.8	0.1	0.1	8.6	11.5	
15	0.1	0.1	0.3	4.6	10.3	16.8	1.6	0.6	0.6	0.2	0.2	0.7	20.8	0.2	0.3	3.8	3.8	0.3	2.3	0.2	0.2	3.8	2.3	
16	0.1	0.1	0.3	2.9	2.3	2.3	0.6	0.6	0.5	0.1	0.1	0.5	6.9	1.3	0.2	1.8	1.8	0.2	1.5	0.2	0.2	1.8	1.5	
17	0.1	0.1	0.3	2.3	2.3	1.4	5.0	0.7	0.6	0.5	0.1	0.4	0.2	0.2	0.2	5.0	5.0	0.2	1.2	0.2	0.2	5.0	1.2	
18	0.1	0.1	0.3	1.7	1.1	2.0	0.6	0.4	0.4	0.1	0.1	0.3	0.3	0.1	0.2	7.8	7.8	0.2	0.9	0.2	0.2	7.8	0.9	
19	8.0	0.2	0.1	1.5	0.9	0.5	0.5	0.5	0.3	0.3	0.1	0.5	0.2	0.1	0.2	16.1	4.2	0.2	0.7	0.2	0.2	16.1	4.2	
20	0.1	0.1	51.1	9.3	11.8	1.9	0.7	0.4	0.4	0.3	0.1	0.2	0.2	0.1	0.1	4.0	4.0	0.1	0.6	0.1	0.1	4.0	0.6	
21	5.9	0.1	1.6	1.4	44.0	5.2	1.4	46.9	9.2	1.6	0.2	0.4	46.9	9.2	1.6	0.2	0.1	0.5	0.5	0.1	0.1	2.1	0.5	
22	9.1	0.6	0.6	24.2	3.6	0.5	13.3	0.5	3.8	22.1	0.3	0.2	0.2	0.1	0.1	1.6	1.3	0.1	0.4	0.1	0.1	1.6	1.3	
23	15.5	2.1	54.8	24.5	6.6	2.5	3.0	0.4	1.7	13.9	1.1	0.1	0.1	0.1	0.1	4.3	1.2	0.1	0.4	0.1	0.1	4.3	1.2	
24	2.1	0.5	0.5	3.6	2.4	5.5	1.5	1.0	4.1	4.7	0.3	2.6	0.1	0.1	11.4	0.2	0.1	0.3	0.3	0.1	0.1	11.4	0.2	
25	1.1	0.3	4.7	1.8	9.1	2.2	74.0	43.1	2.5	0.3	4.8	1.2	0.2	0.2	9.8	0.4	0.1	0.3	0.3	0.1	0.1	9.8	0.4	
26	0.2	0.2	1.1	1.1	0.5	11.8	0.3	1.9	0.3	1.9	0.1	0.3	0.1	0.1	83.7	26.3	0.1	2.0	0.3	0.3	0.1	83.7	26.3	
27	0.1	0.1	22.1	4.0	1.5	3.4	0.3	1.5	0.3	1.2	84.1	12.7	0.1	0.1	3.1	9.2	0.1	1.3	0.2	0.2	0.1	3.1	9.2	
28	0.1	0.1	2.6	4.9	1.2	4.4	66.0	4.4	60.1	19.3	17.8	22.3	0.1	0.1	1.0	1.0	0.1	1.0	0.7	0.1	1.0	1.0	12.7	
29	8.5	0.2	0.2	0.2	1.4	42.5	40.6	0.5	11.0	15.4	5.6	5.6	1.0	0.1	1.0	0.1	0.7	0.7	0.3	0.1	1.0	1.0	12.7	
30	26.1	3.5	0.2	0.2	0.9	1.1	12.0	6.3	43.3	25.8	2.4	35.9	0.8	19.3	0.2	1.5	1.5	0.7	0.3	0.1	0.7	8.0	1.5	
31	87.3	62.5	0.2	0.2	0.9	4.2	4.2	4.2	4.2	4.2	1.1	101.7	34.5	0.6	0.6	0.6	0.6	0.6	0.2	0.2	0.6	0.6	0.2	
total	173.5	73.2	143.1	61.7	214.5	147.6	204.8	124.4	275.0	155.6	265.6	127.4	174.6	63.3	310.9	138.2	57.0	14.7	285.1	113.6	277.2	139.9	175.5	
																								105.5

付表 - 3 . 袋山沢C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	0.1	15.5	0.4	12.9	4.0	4.0	0.4	1.1	0.1	1.0	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	2.5	n/a	74.9	129.2	0.2	0.2	
2	0.1	8.8	1.2	10.3	8.1	19.8	1.6	0.7	0.0	0.0	0.3	2.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	n/a	n/a	4.9	0.2	0.2	
3	0.1	0.1	0.4	2.4	2.4	1.1	0.5	1.1	0.0	4.1	0.3	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	n/a	n/a	1.6	72.7	29.6	
4	0.1	3.1	0.2	16.2	1.4	0.5	0.5	0.4	2.0	0.0	7.1	1.0	0.1	0.0	0.0	0.0	0.0	0.0	26.3	n/a	n/a	0.9	0.9	2.8	
5	12.3	0.3	0.2	13.7	10.6	32.1	6.1	0.2	0.3	2.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	n/a	n/a	0.7	0.7	1.1	
6	0.1	0.1	0.1	22.1	8.9	0.5	5.1	0.2	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	n/a	n/a	0.5	0.5	0.7	
7	0.1	0.1	0.1	18.6	7.5	4.0	1.4	5.0	0.2	0.0	33.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	n/a	n/a	0.4	0.4	0.5	
8	0.1	0.1	0.1	6.2	6.2	0.9	0.5	0.2	0.0	8.7	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	n/a	n/a	0.4	11.3	0.8	
9	0.1	0.1	0.1	21.5	3.0	0.6	0.6	0.2	6.0	0.0	29.2	6.7	26.0	1.1	1.5	0.1	1.5	0.1	75.3	n/a	n/a	0.3	1.5	0.5	
10	0.1	1.5	0.1	6.2	8.9	0.5	0.4	0.1	0.0	0.0	7.8	1.0	0.2	0.0	0.0	0.0	0.0	0.0	78.8	n/a	n/a	0.2	3.1	0.3	
11	0.1	18.5	0.4	2.7	0.5	0.4	12.5	0.2	0.0	0.0	1.4	3.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	n/a	n/a	0.2	0.5	0.3	
12	15.3	0.3	1.5	1.1	1.3	39.5	2.0	6.0	0.4	0.0	0.0	0.8	2.0	0.1	0.0	0.0	0.0	0.0	17.2	n/a	n/a	0.2	0.2	0.2	
13	0.3	7.7	0.6	0.9	9.5	13.7	4.0	0.1	0.0	14.3	1.3	0.0	0.1	0.0	0.0	0.0	0.0	0.0	3.5	n/a	n/a	0.1	12.3	0.5	
14	0.1	1.5	0.7	0.6	0.6	1.8	0.5	0.1	55.0	0.0	4.6	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	n/a	n/a	0.1	28.2	9.6	
15	0.1	30.4	7.3	0.4	7.0	1.0	0.4	0.1	9.5	0.0	1.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	1.0	n/a	3.8	0.1	2.2	2.2	
16	0.1	1.5	4.1	44.2	15.1	17.0	1.5	0.1	16.0	0.0	0.4	0.0	0.4	0.0	0.0	0.0	0.0	0.0	24.5	n/a	0.5	0.1	0.9	0.9	
17	0.1	1.0	1.0	2.1	33.0	20.2	0.1	0.1	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	n/a	18.3	0.4	0.6	0.6	
18	0.1	5.2	0.6	1.0	1.0	3.8	0.1	69.0	18.4	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	n/a	3.2	0.3	0.4	0.4	
19	0.1	0.5	0.4	0.7	10.0	2.6	4.1	0.1	20.8	27.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	n/a	0.0	0.2	0.3	0.3	
20	0.0	0.3	0.2	4.7	0.5	16.8	3.5	32.0	1.8	0.5	2.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	2.0	n/a	6.7	0.1	12.5	0.2	
21	8.4	0.3	0.2	4.7	0.5	1.3	4.7	0.5	17.7	4.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	10.1	n/a	0.1	0.1	0.2	0.2	
22	0.2	1.5	0.2	0.3	29.8	11.0	0.2	0.2	3.0	2.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	n/a	0.5	0.1	53.4	29.8	
23	0.2	0.1	3.3	0.3	7.6	9.3	23.8	0.5	16.7	3.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	n/a	43.7	11.5	2.8	2.8	
24	0.2	0.2	0.1	35.3	2.0	0.8	4.1	25.3	7.5	2.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	38.5	n/a	0.5	0.1	1.4	1.2	
25	0.2	0.1	0.1	49.9	23.4	1.9	2.9	2.9	0.9	0.9	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.0	n/a	7.2	0.7	0.7	0.7	
26	0.1	23.7	0.7	0.5	9.0	1.0	2.1	0.7	1.5	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.5	n/a	15.9	5.6	0.5	0.5	
27	0.1	82.3	63.5	2.2	9.2	0.8	2.6	0.4	5.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	n/a	0.0	1.4	0.4	0.4	
28	7.9	0.1	19.6	8.8	1.2	46.2	24.7	0.2	0.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.6	n/a	0.0	0.7	0.3	0.3	
29	0.1	0.1	0.1	4.2	0.9	6.6	10.9	0.2	0.5	0.3	26.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	1.5	n/a	0.0	0.4	0.4	0.4	
30	0.0	0.0	0.0	1.4	0.6	2.2	3.1	0.5	0.2	0.2	33.5	4.0	0.0	0.0	0.0	0.0	0.0	0.0	95.6	n/a	0.0	0.3	0.2	0.2	
31	0.0	0.0	0.0	0.5	0.5	0.2	0.2	0.2	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	n/a	0.0	0.3	0.2	0.2	
total	43.9	4.0	222.8	93.1	265.0	127.2	285.6	134.9	132.9	20.9	225.3	63.4	35.5	2.1	396.9	157.0	409.4	n/a	174.7	163.1	174.7	163.1	195.5	88.6	88.6

n/a

annual runoff:

annual precipitation: 2551.3

n/a : data not available

unit: mm/day

2010

FUKUYOYAMASAWA C

付表 - 3 . 袋山沢C流域の日降水量と日流出量(つつき)

FUKUYOYAMASAWA C 2011

unit: mm/day

n/a : data not available

annual precipitation: 2075.5

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	0.2	0.0	26.4	6.6	0.1	5.4	0.3	1.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	n/a
2	0.1	2.1	0.0	6.9	8.7	0.1	0.3	44.0	3.9	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	n/a
3	0.1	0.0	0.4	2.2	2.2	0.1	0.1	1.7	13.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	n/a
4	0.1	0.0	0.0	1.2	2.2	0.0	0.0	0.0	2.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	n/a
5	0.1	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	n/a
6	0.1	9.7	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	n/a
7	0.1	0.1	23.7	3.0	0.0	0.0	4.7	0.4	8.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	n/a
8	0.1	3.9	0.0	0.5	1.7	0.0	0.0	0.0	6.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	n/a
9	0.1	10.5	0.2	1.0	19.1	0.2	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	n/a
10	0.1	0.1	0.6	0.6	0.1	6.3	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	n/a
11	0.1	8.3	0.2	0.5	0.5	0.0	49.3	4.3	66.8	18.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	n/a
12	0.1	10.5	0.4	0.3	0.0	36.7	13.4	0.6	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	n/a
13	0.1	5.7	0.4	0.2	0.2	0.0	7.2	60.7	34.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	n/a
14	0.1	15.8	0.3	0.2	0.2	0.0	1.1	0.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	n/a
15	0.1	0.9	1.6	1.0	0.2	4.8	0.0	0.5	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	n/a
16	0.1	0.3	0.2	0.2	3.7	0.1	0.3	12.3	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	n/a
17	0.1	0.4	0.2	0.2	0.2	0.1	4.7	0.2	13.4	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	n/a
18	0.1	65.2	34.5	0.1	0.0	0.5	0.2	20.9	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	n/a
19	0.1	2.2	0.1	0.1	29.3	2.1	0.1	0.5	5.2	20.8	0.2	0.1	0.5	5.2	62.6	3.7	27.5	0.0	0.5	0.0	0.0	0.0	0.0	n/a
20	0.1	0.9	0.2	0.2	0.2	0.2	0.1	1.1	2.0	16.1	0.1	0.1	1.1	2.0	16.1	0.1	0.3	107.3	20.3	2.6	0.0	0.0	0.0	n/a
21	0.1	0.5	31.5	2.2	0.1	0.1	1.6	1.3	27.0	2.3	0.1	0.1	1.6	1.3	27.0	2.3	8.7	0.1	70.5	37.1	12.9	0.0	0.0	n/a
22	0.1	0.3	20.3	3.2	2.7	0.0	0.0	5.8	0.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	n/a
23	0.6	0.1	0.3	1.1	1.7	53.4	3.2	1.1	0.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	n/a
24	0.1	3.0	0.3	0.7	6.5	11.6	26.9	1.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	n/a
25	0.1	0.4	0.3	13.0	0.7	0.8	0.4	0.0	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	n/a
26	0.1	0.2	0.2	0.9	0.9	0.3	0.1	0.2	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	n/a
27	0.1	0.1	0.1	0.4	3.2	0.2	4.7	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	n/a
28	0.1	51.9	7.5	0.2	8.6	0.8	25.3	1.4	0.1	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	n/a
29	0.1	0.0	0.0	0.1	0.2	0.4	59.1	25.5	0.1	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	n/a
30	0.1	0.0	0.0	0.1	0.1	0.3	67.5	52.2	25.7	1.2	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	n/a
31	0.1	0.1	0.0	0.1	0.1	0.1	4.8	4.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	n/a
total	0.6	3.2	188.3	50.9	125.3	38.8	135.7	20.8	298.0	114.8	256.0	111.4	86.6	3.6	100.7	4.3	239.0	62.1	322.8	0.9	187.5	n/a	135.0	n/a

10/5-12/31 量水堰への土砂堆積による流量過大評価

付表 - 4 . 丸山沢流域の日降水量と日流出量

MARUYAMAZAWA 2004

unit: mm/day

n/a : data not available

annual precipitation: n/a

annual runoff:

852.6

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	n/a	0.7	n/a	0.4	2.8	0.4	2.0	6.5	1.5	22.2	5.3	2.2	10.0	3.8	1.5	2.0	1.0	1.6	0.5	0.8	1.6	1.5	0.5	0.8	2.0	1.9
2	n/a	0.6	n/a	0.4	0.8	0.3	4.5	4.5	18.5	10.0	18.5	2.2	2.2	2.2	1.2	1.2	0.8	0.8	2.5	1.5	0.5	0.5	1.0	1.0	1.7	
3	n/a	0.6	n/a	0.4	9.3	0.4	3.8	3.5	15.0	15.2	0.3	1.9	1.7	1.7	1.0	1.0	0.7	1.2	0.5	0.9	1.2	0.5	0.9	6.0	1.8	
4	n/a	0.6	n/a	0.4	18.5	0.4	0.8	2.8	29.5	18.8	1.7	1.7	1.4	1.4	0.9	0.9	0.7	1.1	1.1	3.0	0.9	1.0	0.9	10.5	3.6	
5	n/a	0.6	n/a	0.4	17.3	0.4	0.8	2.5	17.8	0.8	0.8	1.6	1.8	1.2	0.9	0.9	0.6	1.0	0.6	1.0	0.9	0.9	0.9	26.5	3.1	
6	n/a	0.5	n/a	0.4	17.5	0.4	0.5	3.4	15.5	0.3	1.5	4.8	1.3	1.3	0.9	0.5	0.6	1.0	0.9	1.0	0.9	1.0	0.9	1.0	2.7	
7	n/a	0.5	n/a	0.4	32.0	0.4	1.5	6.9	14.5	13.5	0.5	1.4	0.3	1.1	0.8	0.8	0.6	0.6	0.9	0.9	0.8	0.8	0.8	6.0	2.4	
8	n/a	0.6	n/a	0.4	0.4	0.3	6.9	10.3	0.5	1.3	0.5	1.3	4.5	1.1	0.7	0.7	1.0	0.8	0.9	0.9	0.7	0.7	0.7	0.5	2.2	
9	n/a	0.5	n/a	0.4	1.3	0.4	2.3	5.2	7.6	1.3	56.8	4.7	5.6	4.7	0.7	0.7	0.8	0.8	0.8	2.0	0.8	0.8	2.0	0.7	1.9	
10	n/a	0.5	n/a	0.4	2.3	0.5	5.0	2.5	6.5	8.5	1.4	6.5	3.3	3.3	0.7	0.7	4.0	0.7	0.5	0.8	0.7	0.7	3.5	1.9		
11	n/a	0.5	n/a	0.4	0.8	1.3	6.4	0.5	5.7	1.2	2.3	3.0	1.0	0.7	1.0	0.7	0.6	4.5	0.8	2.0	0.7	0.7	6.0	2.0		
12	n/a	0.5	n/a	0.4	1.0	0.9	6.0	6.9	4.9	0.5	1.1	2.6	2.6	2.6	0.7	0.7	0.6	2.5	0.8	15.5	1.5	0.5	0.5	1.8		
13	n/a	0.5	n/a	0.4	0.8	0.7	0.3	8.4	37.8	5.3	1.1	1.1	3.5	3.5	0.7	2.0	1.1	0.7	0.7	10.5	1.5	1.5	6.5	1.7		
14	n/a	0.5	n/a	0.4	7.0	0.7	11.6	2.8	5.8	4.8	4.8	1.0	2.0	2.0	0.6	0.6	1.0	0.7	0.7	3.0	1.4	1.4	1.4	1.5		
15	n/a	0.5	n/a	0.4	9.0	0.6	13.4	4.7	29.3	1.9	1.8	2.0	0.6	1.3	2.0	0.6	1.3	1.0	1.0	0.7	11.5	2.9	0.5	1.5		
16	n/a	0.5	n/a	0.4	5.3	0.6	0.3	12.2	9.3	4.5	1.2	1.2	1.6	1.6	15.0	0.9	1.0	1.0	1.0	0.7	13.0	3.6	7.5	1.5		
17	n/a	0.4	n/a	0.4	4.0	1.7	0.3	9.4	6.5	4.2	1.0	0.8	1.4	0.7	0.7	0.7	0.8	0.6	0.6	9.0	3.0	1.0	1.0	1.4		
18	n/a	0.4	n/a	0.3	1.3	3.0	8.6	6.0	4.3	0.9	24.5	2.7	2.7	2.7	0.6	0.6	0.8	0.6	0.6	2.4	2.4	2.4	2.4	1.3		
19	n/a	0.4	n/a	0.4	4.5	1.8	12.9	3.7	3.7	3.7	0.9	0.9	1.2	1.6	0.5	0.6	13.0	1.2	0.6	2.3	2.3	2.3	1.0	1.2		
20	n/a	0.5	n/a	0.3	1.3	1.4	15.3	20.6	3.2	3.2	0.9	18.0	2.2	50.5	3.1	0.9	0.9	0.6	0.6	2.3	4.5	4.5	4.5	1.2		
21	n/a	0.5	n/a	0.4	7.3	1.2	6.5	18.6	29.8	3.7	0.8	0.5	1.8	1.8	1.8	0.8	0.8	0.6	0.6	2.3	1.0	1.0	1.0	1.2		
22	n/a	0.5	n/a	0.4	24.0	1.2	13.5	0.5	4.0	16.0	1.1	1.5	1.5	1.5	2.4	2.4	10.0	0.9	20.5	2.3	2.3	2.3	1.1	1.1		
23	n/a	0.5	n/a	0.4	20.3	1.3	9.5	9.5	3.6	3.6	0.9	0.9	1.3	1.3	1.7	1.7	3.5	1.0	8.5	1.1	2.4	2.4	4.5	1.1		
24	n/a	0.4	n/a	0.4	1.8	2.0	7.7	3.8	3.3	4.0	0.9	1.2	1.2	1.4	1.4	1.4	11.5	0.9	3.5	1.2	0.5	2.6	2.6	1.0		
25	n/a	0.4	n/a	0.4	2.0	9.5	6.5	0.3	3.0	0.8	0.8	0.8	4.5	1.1	1.2	26.0	5.5	1.5	1.5	1.0	0.5	2.5	2.5	1.0		
26	n/a	0.4	n/a	0.4	1.0	1.9	5.7	2.7	2.7	2.7	1.5	0.8	4.5	1.1	1.0	3.0	3.5	0.9	5.5	2.3	2.3	2.3	0.9	0.9		
27	n/a	0.4	n/a	0.4	1.3	2.0	2.5	5.3	2.4	2.4	0.7	0.5	1.0	1.0	0.9	2.4	0.5	0.8	9.0	3.2	1.0	1.0	0.9	0.9		
28	n/a	0.4	n/a	0.4	1.0	2.0	18.5	7.3	2.2	2.2	0.7	21.3	1.4	1.4	0.9	2.0	0.9	0.8	1.0	2.6	0.5	0.5	0.9	0.9		
29	n/a	0.4	n/a	0.4	10.8	3.3	17.5	18.0	0.3	2.0	55.8	2.5	0.3	0.9	3.5	0.8	1.8	0.9	0.9	1.0	2.3	2.3	0.8	0.8		
30	n/a	0.4	n/a	0.4	9.3	8.4	29.3	2.7	2.7	2.7	1.8	8.0	1.0	2.0	0.8	2.0	2.0	0.9	1.0	2.0	2.0	4.5	4.5	0.8		
31	n/a	0.4	n/a	0.4	11.4	205.8	44.4	90.7	261.4	202.4	224.0	136.1	37.5	157.4	57.1	97.0	33.2	125.0	37.8	51.0	27.5	98.5	54.4	95.0	48.8	
total	n/a	15.1	n/a	11.4	205.8	44.4	90.7	261.4	202.4	224.0	136.1	37.5	157.4	57.1	97.0	33.2	125.0	37.8	51.0	27.5	98.5	54.4	95.0	48.8	48.8	

付表 - 4 . 丸山沢流域の日降水量と日流出量（つづき）

MARUYAMAZAWA 2005

unit: mm/day

annual precipitation: 1230.0

annual runoff:

856.3

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	0.4	0.5	0.3	0.3	0.3	0.3	0.3	0.3	1.5	14.5	2.3	1.1	1.1	2.2	5.0	1.7	8.5	1.1	1.2	5.0	1.3		
2	0.7	1.0	0.4	0.3	0.3	0.3	0.3	0.3	0.3	6.5	17.0	2.0	3.5	1.1	1.9	6.5	1.7	3.5	1.1	1.2	0.5	1.2		
3	4.0	0.7	0.4	0.3	10.5	0.4	0.3	0.4	0.4	17.4	1.5	1.6	1.1	2.0	7.8	1.5	2.5	1.1	1.2	1.2	1.2			
4	6.0	0.7	0.4	0.3	0.4	0.3	0.4	0.4	0.4	15.6	4.5	1.5	0.9	39.0	7.2	1.4	1.0	1.0	1.2	1.2	1.1			
5	1.0	0.6	0.5	0.4	0.3	0.3	0.4	0.4	0.4	13.6	1.0	1.5	9.0	5.0	5.6	1.3	0.5	1.0	1.1	1.1	1.1			
6	0.5	0.6	0.4	0.3	0.3	0.3	0.4	0.4	0.4	13.7	1.6	1.6	11.0	0.7	4.4	1.2	1.2	1.0	1.1	1.1	1.1			
7	5.0	0.6	0.4	0.3	29.5	0.3	0.3	2.0	4.0	14.0	12.6	1.3	2.5	1.0	3.6	135.0	4.8	1.0	0.9	40.5	2.3			
8	0.6	0.4	3.0	0.3	2.0	0.3	0.3	0.3	0.3	10.3	1.2	1.2	1.0	1.0	3.0	21.5	13.6	11.0	1.1	12.0	2.0			
9	0.6	1.5	0.4	0.3	8.5	0.3	0.3	0.3	0.3	5.0	9.6	1.3	0.9	0.9	2.4	6.4	1.1	6.5	2.0	1.0	1.0			
10	0.5	0.5	0.3	1.5	0.3	21.5	1.9	3.5	9.5	3.5	9.5	1.1	5.5	0.9	2.1	4.9	0.5	1.0	3.5	1.7	1.0	1.0		
11	0.5	1.5	0.3	10.5	0.3	1.9	0.3	1.9	0.3	7.9	2.5	1.1	3.5	1.6	1.8	4.0	0.9	3.0	1.9	1.5	1.0			
12	0.5	0.5	0.3	10.5	0.3	2.3	0.3	2.3	0.3	8.4	42.5	1.7	1.2	1.2	1.6	0.5	3.3	0.9	3.0	2.0	1.0			
13	1.5	0.5	2.5	0.3	0.5	0.3	2.7	1.0	2.5	10.1	2.5	2.4	0.9	0.9	1.4	1.0	2.8	0.9	12.5	1.9	1.5	1.0		
14	0.5	0.5	0.3	0.3	0.3	0.3	2.3	0.3	0.3	10.9	1.7	1.7	1.0	1.0	1.3	6.5	2.6	21.5	1.0	7.0	1.8	1.5		
15	0.5	0.5	0.3	0.3	0.3	0.3	2.0	2.6	4.5	10.3	1.5	1.5	0.9	0.9	1.3	2.1	2.1	10.0	1.7	1.6	0.9			
16	0.5	0.5	0.3	0.3	0.3	0.3	3.8	1.0	3.8	1.0	9.9	1.3	0.9	0.9	1.2	1.8	1.8	1.0	1.4	1.0	1.6	2.0		
17	0.5	0.5	0.3	0.3	0.3	0.3	4.5	4.3	9.3	1.1	9.3	1.1	0.8	1.1	3.5	1.7	1.2	1.5	12.5	0.9	0.9			
18	0.5	0.5	0.3	0.3	0.3	0.3	0.5	3.5	11.0	8.8	1.1	7.0	1.2	1.0	19.0	2.0	1.2	1.5	12.0	1.0	1.0			
19	0.5	0.5	0.3	0.3	0.3	0.3	3.9	22.0	10.8	1.1	27.0	0.9	1.5	1.4	0.5	1.6	1.2	1.4	1.0	0.9	0.9			
20	1.0	0.5	17.0	0.3	0.5	0.3	0.5	4.9	10.2	1.0	10.2	1.0	2.0	1.2	12.0	1.6	1.5	1.2	1.5	1.4	0.9			
21	0.4	0.3	1.5	0.3	15.0	0.3	5.1	0.5	8.5	1.0	8.5	1.0	0.8	36.0	1.5	1.5	1.2	6.5	1.4	0.9	0.9			
22	0.5	0.4	1.0	0.3	0.3	0.3	4.3	7.3	7.3	1.0	7.3	1.0	0.9	68.0	20.8	1.0	1.4	1.2	9.5	1.4	0.9			
23	0.4	8.5	0.3	0.5	1.0	0.5	1.0	3.5	6.3	1.0	6.3	1.0	0.8	12.7	4.5	1.4	1.4	1.2	3.0	1.4	0.9			
24	9.0	0.4	2.0	0.3	0.5	0.3	3.3	2.5	5.3	1.0	5.3	1.0	0.7	8.2	1.3	1.3	1.0	1.2	0.5	1.4	0.8			
25	0.5	0.4	0.3	0.5	0.5	0.3	4.2	0.5	4.4	25.5	0.8	1.2	1.2	5.5	1.2	4.5	1.2	0.5	1.4	2.5	0.8			
26	0.4	1.0	0.3	1.0	0.4	0.5	9.0	3.6	3.5	11.0	3.5	1.8	11.0	0.9	9.0	4.5	1.1	1.2	2.0	1.4	7.5	0.8		
27	1.5	0.4	1.5	0.3	7.0	0.4	1.5	13.5	2.9	13.0	1.6	5.3	4.0	4.1	2.0	1.2	1.2	3.5	1.3	2.5	0.8			
28	1.0	0.4	0.5	0.3	4.0	0.4	4.0	18.7	2.6	1.6	1.6	4.2	4.2	3.2	0.5	1.2	1.2	1.2	1.3	2.0	0.8			
29	10.5	0.4	4.0	0.4	4.0	0.4	23.8	3.1	2.8	1.0	2.8	1.0	5.0	3.1	1.0	2.6	1.1	11.5	1.6	10.0	1.4	0.8		
30	4.0	0.4	0.5	0.4	19.3	0.4	19.3	2.6	2.6	1.1	2.6	1.1	1.0	2.8	2.2	1.0	1.0	1.5	1.5	1.3	0.8			
31	1.5	0.4	0.5	0.4	0.5	0.4	0.5	2.5	2.5	2.0	2.5	2.0	2.3	2.0	2.0	2.0	2.0	1.3	1.3	0.7	0.7			
total	58.0	15.7	41.5	9.3	77.0	10.5	93.5	151.0	75.5	279.2	96.5	41.3	138.0	43.0	177.5	121.2	212.0	74.3	79.5	36.0	127.0	45.3	54.0	29.5

付表 - 4 . 丸山沢流域の日降水量と日流出量 (つづき)

MARUYAMAZAWA 2006

unit: mm/day

annual precipitation: 1204.5

annual runoff:

1110.5

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	1.0	1.0	1.5	0.9	6.5	1.0	1.0	13.5	20.0	3.1	1.9	1.1	1.1	2.6	1.3	1.9	1.1	2.6	1.3	1.3	1.9	1.1	1.9	2.0
2	6.0	1.0	2.5	0.8	8.0	0.9	4.5	0.9	18.6	3.3	1.8	1.1	1.1	2.2	0.5	1.2	2.2	0.5	1.2	2.0	1.6	1.6	1.9	
3	0.5	1.0	0.9	0.5	0.9	9.0	1.0	16.3	3.0	1.7	1.7	1.1	1.1	1.9	7.0	1.4	1.9	7.0	1.4	1.5	1.5	1.8	1.8	
4	1.0	1.0	0.9	0.9	0.9	0.9	0.9	0.9	18.8	2.8	1.6	16.5	2.6	1.8	1.2	1.2	1.8	1.2	1.2	1.5	1.5	1.5	1.7	
5	1.0	1.0	0.8	2.5	0.9	1.0	2.0	18.7	2.6	1.5	1.5	1.7	9.0	1.1	1.1	1.5	1.1	1.5	1.1	1.5	1.6	1.7		
6	1.0	1.0	0.5	0.8	2.5	0.9	0.5	1.0	19.3	2.5	2.0	1.4	1.3	1.7	1.1	1.1	1.7	1.1	1.1	1.5	1.6	1.6		
7	0.9	0.9	0.8	0.8	0.8	0.9	1.0	21.4	2.3	7.5	1.4	1.2	22.5	1.8	55.5	4.3	3.3	11.5	1.6	3.3	11.5	1.6		
8	0.9	0.9	0.8	0.8	0.8	0.9	1.0	20.8	4.0	2.2	1.3	1.1	1.1	1.7	9.5	8.5	0.5	6.0	0.5	1.5	1.5	1.5		
9	0.9	0.9	2.5	0.8	0.5	0.8	1.0	19.4	7.5	2.1	1.2	1.1	1.1	1.5	1.5	9.8	4.6	1.0	1.5	4.6	1.0	1.5		
10	1.0	0.9	6.0	0.8	0.8	1.1	12.5	19.8	14.0	2.5	1.2	1.0	3.5	1.5	3.0	7.4	4.6	1.0	1.5	4.6	1.0	1.5		
11	9.0	1.0	2.0	0.8	13.0	0.9	1.1	15.5	23.4	2.1	1.1	1.0	1.0	1.5	38.0	7.4	4.5	1.4	4.5	1.4	4.5	1.4		
12	2.5	1.0	2.0	0.8	2.0	1.3	1.5	1.8	17.4	1.9	34.5	1.9	1.0	1.3	0.5	7.6	1.3	5.9	1.3	5.9	1.3	1.3		
13	0.9	1.5	0.8	0.5	1.1	14.5	4.5	12.5	1.8	1.8	1.3	5.0	1.0	1.2	2.5	6.2	5.3	4.5	1.4	5.3	4.5	1.4		
14	1.0	0.9	9.0	0.8	0.5	1.0	7.0	4.1	11.0	10.6	1.8	0.5	1.2	1.0	1.1	5.2	5.2	1.3	5.2	1.3	5.2	1.3		
15	0.9	0.5	0.9	1.0	4.2	1.0	4.2	8.6	1.7	1.7	1.2	0.9	1.1	1.1	4.5	4.6	1.3	4.6	1.3	4.5	4.6	1.3		
16	0.9	0.5	0.8	1.0	3.5	4.1	1.0	6.9	6.9	2.5	2.4	1.0	1.0	1.1	3.8	4.2	1.3	3.8	4.2	1.1	3.8	4.2	1.3	
17	0.9	2.0	0.8	1.1	4.0	3.3	1.0	6.0	1.0	1.6	40.0	3.7	1.0	1.0	10.5	3.6	3.7	1.0	10.5	3.6	3.7	1.0	1.2	
18	0.9	0.5	0.8	1.2	1.0	2.6	1.0	5.4	5.4	1.6	57.0	4.1	124.5	12.6	14.0	1.1	3.1	0.5	3.3	3.1	0.5	3.3	1.2	
19	0.9	0.5	0.8	6.5	1.2	2.1	2.1	5.5	4.8	1.5	5.0	3.4	22.5	37.8	12.0	1.2	2.5	2.8	0.5	3.0	1.2	1.2	1.2	
20	5.0	0.9	0.0	0.8	1.1	19.0	2.7	3.0	4.5	1.5	27.5	2.9	15.8	7.0	1.3	4.0	2.8	0.5	2.9	1.1	2.8	0.5	2.9	
21	6.0	0.9	0.9	0.9	2.0	1.1	2.0	12.3	3.8	5.5	1.5	0.5	2.7	9.7	1.1	2.5	6.0	2.9	1.1	2.5	6.0	2.9	1.1	
22	0.9	0.5	0.9	1.0	10.3	0.5	3.4	8.0	1.7	2.4	6.0	6.9	4.0	1.1	2.3	13.0	3.5	0.5	1.1	2.3	13.0	3.5	0.5	
23	0.9	1.5	1.0	1.0	10.4	20.0	3.6	19.0	3.0	2.2	6.5	7.2	2.1	2.1	3.4	4.0	1.1	3.4	4.0	2.1	3.4	4.0	1.1	
24	1.0	0.9	0.9	2.0	1.0	17.0	10.6	3.3	3.3	3.5	1.9	3.5	5.7	1.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.1	
25	0.9	0.5	0.9	2.5	1.0	1.5	7.6	2.8	2.8	2.6	1.7	1.7	4.7	0.9	0.9	1.9	1.0	2.8	1.1	1.9	1.0	2.8	1.1	
26	4.5	0.9	40.0	0.9	5.0	1.0	6.9	2.5	2.5	2.2	1.6	1.6	3.9	0.9	1.8	0.5	2.7	1.5	1.1	1.8	0.5	2.7	1.5	
27	0.9	3.0	1.5	0.5	1.0	2.5	8.7	2.3	24.0	2.4	1.5	1.5	3.4	37.5	1.3	1.7	3.5	2.6	1.7	3.5	2.6	2.6	1.7	
28	0.9	0.9	1.0	2.0	1.0	0.5	10.5	8.5	2.5	2.9	1.4	3.1	6.0	2.7	0.5	1.7	2.4	1.5	1.6	2.4	1.5	1.6	1.6	
29	0.9	0.9	18.5	1.0	12.5	3.0	2.9	2.3	2.9	2.3	1.3	0.5	2.8	1.7	2.5	1.8	4.5	2.3	1.4	1.7	2.5	1.8	4.5	
30	0.9	0.9	3.0	1.0	15.5	6.5	2.6	2.1	2.1	1.4	0.0	1.6	0.5	2.2	1.4	0.0	1.6	0.5	2.2	1.4	0.0	1.6	0.5	
31	0.9	0.9	1.0	1.0	1.5	2.6	1.0	1.5	2.8	1.2	1.2	1.5	2.8	1.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.1	
total	36.5	28.7	77.0	24.4	86.5	31.0	82.0	145.7	103.0	325.5	89.0	67.7	174.5	57.3	272.5	139.6	115.5	43.7	145.5	105.2	34.5	98.6	48.0	43.1

付表 - 4 . 丸山沢流域の日降水量と日流出量（つづき）

MARUYAMAZAWA 2007

unit: mm/day

annual precipitation: 993.5

annual runoff: 666.4

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	4.5	1.1	1.5	0.8	0.7	1.5	0.9	14.5	16.1	0.7	12.0	0.6	0.5	0.4	2.5	1.5	0.5	1.5	0.4	2.5	1.5	0.5	1.6	1.5	1.0	
2		1.1	0.5	0.8	0.8	3.0	1.0	34.5	16.1	0.7	12.0	0.6	0.5	0.4	2.5	1.5	0.5	1.5	0.4	2.5	1.5	0.5	1.6	1.5	1.0	
3		1.0	3.0	0.8	0.8	1.5	1.0	3.0	18.5	0.7	13.5	0.7	1.5	0.6	6.5	0.4	1.0	1.3	0.5	1.5	1.5	0.5	1.8	0.5	1.0	
4		1.0	3.5	0.8	0.8	0.5	1.0	19.5	19.5	0.7	13.5	0.7	1.5	0.6	6.5	0.4	1.0	1.3	0.5	1.5	1.5	0.5	1.8	0.5	1.0	
5		0.9	0.8	0.8	0.8	13.5	0.8	1.1	6.5	20.1	0.7	13.5	0.7	1.5	0.6	6.5	0.4	1.0	1.3	0.5	1.5	1.5	0.5	1.8	0.5	0.9
6	1.5	0.9	1.0	0.8	0.8	0.5	1.1	12.6	17.8	1.3	0.9	0.5	0.6	40.0	0.7	1.1	1.2	8.5	0.9	1.2	8.5	0.9	1.2	8.5	0.9	
7	42.0	1.1	0.5	0.8	0.8		0.8	1.8	9.5	17.3	7.5	1.4	1.8	1.5	0.6	39.5	2.2	1.5	1.0	1.2	8.5	0.9	1.2	8.5	0.9	
8		1.0	3.0	0.8	0.7	2.0	2.2	13.7	10.5	1.3	0.7	16.5	1.0	0.9	4.5	1.7	0.5	1.1	1.1	26.0	1.8	0.5	1.1	0.9	0.9	
9	6.5	1.0	0.5	0.8	0.7	9.5	2.3	10.5	10.5	1.3	0.7	16.5	1.0	0.9	4.5	1.7	0.5	1.1	1.1	26.0	1.8	0.5	1.1	0.5	0.9	
10	6.5	1.0	0.5	0.8	0.7	1.0	2.4	0.5	8.3	1.2	0.7	6.0	0.7	15.0	1.6	1.0	1.0	1.0	1.0	9.5	1.4	6.5	1.0	1.0	0.9	
11	4.0	1.0	1.5	0.8	0.8	0.5	2.1	7.0	7.0	1.2	0.6	7.5	0.9	1.4	1.4	1.4	1.4	1.4	1.4	9.5	1.4	6.5	1.0	1.0	0.8	
12	1.0	1.0	0.5	0.8	1.0	0.7	6.0	1.9	6.0	1.2	0.8	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	1.8	10.0	2.2	2.2	0.9	
13		1.0		0.7	7.5	0.7	1.8	6.0	5.7	1.1	0.7	1.1	0.6	0.5	0.8	1.5	1.5	1.5	1.5	4.0	1.4	1.6	10.5	0.9	0.8	
14	2.0	1.0		0.8	2.0	0.7	7.5	1.7	5.3	1.1	0.6	0.6	0.6	0.6	0.7	4.0	1.4	1.6	10.5	0.9	0.8	1.6	10.5	0.9	0.8	
15	4.5	1.0	7.5	0.8	0.7	1.6	1.6	4.6	9.0	1.2	0.6	0.6	0.6	0.6	0.6	45.0	1.8	1.3	0.5	1.4	1.4	1.4	1.4	1.4	0.9	
16	1.0	0.9		0.8	1.5	0.7	0.5	1.6	4.1	1.1	0.7	3.0	0.6	28.0	6.7	0.5	1.2	1.0	1.3	0.5	1.3	0.5	0.5	0.8	0.8	
17	1.5	0.9		0.8		0.7	1.0	1.8	0.5	3.7	1.0	0.7	6.5	0.6	2.9	5.5	1.5	8.5	1.3	5.0	8.5	1.3	5.0	0.8	0.8	
18	3.0	0.9		0.8		0.7		2.0	4.0	3.9	1.0	0.6	0.5	0.5	1.9	1.9	1.4	2.5	1.4	2.5	1.4	2.5	1.4	0.5	0.8	
19	6.0	0.9	0.5	0.8		0.7	2.8	0.5	3.4	1.0	0.6	0.5	0.5	1.7	0.5	1.3	9.5	1.2	1.2	0.5	1.2	0.5	1.2	0.8	0.8	
20	0.5	0.9		0.8		0.7	3.0	3.9	3.1	1.0	0.6	0.5	0.5	7.5	1.8	4.5	14	29.5	1.2	4.5	14	29.5	1.2	0.8	0.8	
21	0.9	1.5	0.7	0.8		0.7	5.0	6.3	0.5	2.8	1.0	0.6	2.0	0.5	16.5	2.3	1.4	70.5	1.2	1.4	70.5	1.2	1.5	0.8	0.8	
22	0.9	0.9		0.8		0.7	8.1	2.6	2.6	1.0	0.6	0.6	8.5	0.8	4.8	7.5	1.3	6.0	1.1	7.5	1.3	6.0	1.1	0.7	0.7	
23	0.5	0.9	15.0	1.0	1.0	0.8	9.0	1.0	2.1	1.1	0.6	0.5	2.7	0.5	2.7	2.7	1.2	2.0	1.1	1.2	2.0	1.1	0.8	0.8	0.8	
24	2.5	0.9	1.0	0.5	0.8	10.3	2.1	2.1	0.9	0.9	0.6	0.6	0.6	2.1	0.5	2.1	0.5	1.1	1.1	0.5	1.1	1.1	0.8	0.8	0.8	
25	0.5	0.9		0.9	1.5	0.9	11.6	2.0	2.0	0.9	0.5	0.5	0.5	8.0	2.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.5	0.7	0.7	
26		0.8	0.8	0.8	1.0	11.0	11.2	19.5	2.3	0.8	1.0	0.5	0.5	1.8	1.8	1.0	5.5	1.3	1.3	1.0	5.5	1.3	1.3	0.7	0.7	
27		0.8	0.5	0.8	0.5	0.9	9.8	2.0	2.0	0.8	0.5	0.5	8.5	1.6	1.0	1.0	1.3	1.3	1.0	1.0	1.3	1.3	0.7	0.7	0.7	
28		0.8		0.8	0.5	0.9	8.3	1.9	1.9	0.5	0.8	36.5	1.3	0.4	28.0	2.4	1.0	3.5	1.1	1.0	3.5	1.1	0.5	0.7	0.7	
29	9.5	0.8				0.8	9.9	1.8	1.8	0.8	0.6	0.6	0.4	0.5	1.9	12.0	1.0	1.1	1.1	12.0	1.0	1.1	4.5	0.7	0.7	
30	3.0	0.8				0.8	12.9	1.7	1.7	0.8	0.5	1.7	0.4	0.5	1.6	0.5	1.4	0.5	1.0	0.5	1.4	0.5	1.0	0.8	0.8	
31	0.0	0.8				0.9	14.0	1.7	1.7	0.8	0.5	1.7	0.4	0.5	1.6	0.5	1.4	0.5	1.0	0.5	1.4	0.5	1.0	0.8	0.8	
total	105.5	28.9	41.0	22.7	42.5	24.0	54.5	133.5	226.4	41.5	33.6	38.0	20.6	79.5	17.9	252.5	53.4	83.5	40.6	100.5	39.0	45.0	45.0	25.8	25.8	

付表 - 5 . トウバク沢流域の日降水量と日流出量

TOUBAKUSAWA 2003

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	n/a	n/a	0.4	n/a	1.9	n/a	n/a	4.5	n/a	17.0	n/a	0.8	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	18.5	14.8
2	n/a	n/a	n/a	0.3	n/a	7.4	n/a	2.4	n/a	3.7	n/a	9.7	n/a	1.6	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	10.7
3	n/a	n/a	n/a	0.3	n/a	2.3	n/a	3.5	n/a	3.3	n/a	6.7	n/a	1.1	n/a	n/a	n/a	n/a	n/a	n/a	1.0	n/a	n/a	7.5
4	n/a	n/a	n/a	0.2	n/a	2.5	n/a	2.4	n/a	2.9	n/a	5.4	n/a	2.9	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	5.5
5	n/a	n/a	n/a	0.2	n/a	1.6	n/a	2.1	n/a	2.6	n/a	4.4	n/a	1.7	n/a	n/a	n/a	n/a	n/a	n/a	12.0	n/a	n/a	4.5
6	n/a	n/a	n/a	0.2	n/a	1.3	n/a	2.0	n/a	2.3	n/a	3.5	n/a	1.4	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	7.5	3.7
7	n/a	n/a	n/a	0.1	n/a	1.1	n/a	2.0	n/a	2.1	n/a	2.9	n/a	1.4	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.2	3.1
8	n/a	n/a	n/a	0.1	n/a	0.9	n/a	13.4	n/a	2.3	n/a	2.5	n/a	1.4	n/a	n/a	n/a	n/a	n/a	n/a	9.5	0.1	2.4	
9	n/a	n/a	n/a	0.1	n/a	0.8	n/a	13.9	n/a	2.2	n/a	2.0	n/a	1.2	n/a	n/a	n/a	n/a	n/a	n/a	24.0	0.3	1.9	
10	n/a	n/a	n/a	0.1	n/a	0.6	n/a	9.1	n/a	1.8	n/a	1.8	n/a	1.1	n/a	n/a	n/a	n/a	n/a	n/a	17.5	0.3	1.5	
11	n/a	n/a	n/a	0.2	n/a	0.5	n/a	6.1	n/a	1.7	n/a	1.6	n/a	1.0	n/a	n/a	n/a	n/a	n/a	n/a	7.0	3.6	1.2	
12	n/a	n/a	n/a	0.5	n/a	0.5	n/a	9.5	n/a	1.7	n/a	1.5	n/a	1.0	n/a	n/a	n/a	n/a	n/a	n/a	9.5	3.8	1.5	
13	n/a	n/a	n/a	0.3	n/a	0.4	n/a	14.7	n/a	1.5	n/a	1.3	n/a	0.9	n/a	n/a	n/a	n/a	n/a	n/a	7.0	3.0	1.1	
14	n/a	n/a	n/a	0.2	n/a	0.4	n/a	11.7	n/a	1.4	n/a	1.2	n/a	3.3	n/a	n/a	n/a	n/a	n/a	n/a	2.3	0.5	0.8	
15	n/a	n/a	n/a	0.2	n/a	0.3	n/a	10.3	n/a	1.9	n/a	1.4	n/a	2.5	n/a	n/a	n/a	n/a	n/a	n/a	1.7	0.7	0.6	
16	n/a	n/a	n/a	0.2	n/a	0.3	n/a	9.7	n/a	2.4	n/a	1.1	n/a	1.9	n/a	n/a	n/a	n/a	n/a	n/a	1.4	1.1	0.5	
17	n/a	n/a	n/a	0.1	n/a	0.3	n/a	10.4	n/a	2.0	n/a	1.0	n/a	1.9	n/a	n/a	n/a	n/a	n/a	n/a	1.1	0.5	0.4	
18	n/a	n/a	n/a	0.1	n/a	0.3	n/a	12.7	n/a	1.8	n/a	0.9	n/a	1.4	n/a	n/a	n/a	n/a	n/a	n/a	0.9	0.9	0.4	
19	n/a	n/a	n/a	0.1	n/a	0.3	n/a	12.8	n/a	1.6	n/a	0.8	n/a	1.2	n/a	n/a	n/a	n/a	n/a	n/a	0.7	0.7	0.3	
20	n/a	n/a	n/a	0.1	n/a	0.2	n/a	16.4	n/a	1.7	n/a	0.8	n/a	1.2	n/a	n/a	n/a	n/a	n/a	n/a	15.0	0.6	0.2	
21	n/a	n/a	n/a	0.1	n/a	0.2	n/a	15.6	n/a	2.5	n/a	0.7	n/a	1.6	n/a	n/a	n/a	n/a	n/a	1.0	8.5	3.1	0.2	
22	n/a	n/a	n/a	0.1	n/a	0.3	n/a	9.8	n/a	2.0	n/a	0.6	n/a	1.7	n/a	n/a	n/a	n/a	n/a	22.0	n/a	1.8	0.1	
23	n/a	n/a	n/a	0.1	n/a	0.2	n/a	7.0	n/a	1.9	n/a	0.6	n/a	1.4	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1.2	0.1	
24	n/a	n/a	n/a	0.1	n/a	0.4	n/a	6.4	n/a	1.7	n/a	0.7	n/a	1.4	n/a	n/a	n/a	n/a	n/a	n/a	0.5	1.0	0.0	
25	n/a	n/a	n/a	0.0	n/a	0.9	n/a	7.5	n/a	1.6	n/a	3.5	n/a	1.4	n/a	n/a	n/a	n/a	n/a	n/a	42.0	5.1	0.0	
26	n/a	n/a	n/a	0.0	n/a	1.4	n/a	15.1	n/a	1.4	n/a	2.6	n/a	1.4	n/a	n/a	n/a	n/a	n/a	n/a	n/a	4.4	0.0	
27	n/a	n/a	n/a	0.1	n/a	1.5	n/a	9.4	n/a	1.4	n/a	1.3	n/a	1.4	n/a	n/a	n/a	n/a	n/a	n/a	n/a	3.4	2.0	
28	n/a	4.3	n/a	0.1	n/a	2.2	n/a	6.9	n/a	1.4	n/a	1.1	n/a	1.1	n/a	n/a	n/a	n/a	11.5	n/a	2.7	0.5	n/a	
29	n/a	1.1	n/a	n/a	n/a	1.8	n/a	5.8	n/a	1.2	n/a	1.0	n/a	1.0	n/a	n/a	n/a	n/a	n/a	36.5	3.0	0.5	n/a	
30	n/a	0.7	n/a	n/a	n/a	1.3	n/a	5.3	n/a	1.0	n/a	0.8	n/a	1.4	n/a	n/a	n/a	n/a	n/a	n/a	36.0	29.2	n/a	
31	n/a	0.5	n/a	n/a	n/a	1.3	n/a	17.3	n/a	17.3	n/a	1.0	n/a	1.4	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
total	n/a	n/a	n/a	4.6	n/a	34.1	n/a	255.8	n/a	78.8	n/a	80.4	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	219.0	n/a	72.0	n/a

付表 - 5 . トウバク沢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	n/a	n/a	n/a	n/a	n/a	2.9	3.6	43.0	20.0	2.5	2.2	5.3	59.0	10.3	5.9	15.5	6.5	n/a	n/a	n/a	n/a	n/a	n/a	
2	n/a	7.0	n/a	4.6	n/a	20.0	2.9	10.6	10.6	2.2	2.2	3.5	5.3	9.4	4.4	4.4	5.2	n/a	n/a	n/a	n/a	n/a	n/a	
3	n/a	1.5	n/a	3.7	n/a	2.4	2.4	7.9	7.9	2.0	2.0	2.6	5.0	6.9	33.5	4.7	4.5	n/a	n/a	n/a	n/a	n/a	n/a	
4	n/a	n/a	n/a	12.5	2.4	14.5	2.5	6.5	6.5	1.7	1.7	1.9	31.0	7.3	22.0	9.2	3.9	2.0	n/a	n/a	n/a	n/a	n/a	
5	n/a	n/a	n/a	3.0	2.0	32.0	8.6	5.2	5.2	1.0	1.5	1.6	31.0	9.3	76.5	34.0	3.4	98.5	n/a	n/a	n/a	n/a	n/a	
6	n/a	n/a	n/a	n/a	2.1	0.5	6.4	0.5	4.3	1.4	1.4	1.4	9.0	7.3	1.0	27.8	3.1	11.0	n/a	n/a	n/a	n/a	n/a	
7	n/a	n/a	n/a	2.6	n/a	21.0	4.9	1.1	5.5	1.1	5.5	5.5	31.5	11.1	57.5	13.9	0.5	2.3	5.4	2.7	7.2	n/a	n/a	
8	n/a	n/a	n/a	3.0	3.0	4.0	17.5	5.0	0.9	0.9	14.3	0.5	7.9	131.5	91.7	2.0	2.0	4.5	2.0	4.5	2.0	4.5	2.0	
9	n/a	n/a	n/a	1.7	19.0	4.8	4.6	3.0	0.7	16.7	6.6	10.5	54.9	1.7	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	
10	n/a	n/a	n/a	1.6	n/a	n/a	6.1	39.0	5.7	0.7	9.1	4.0	5.8	5.0	26.7	1.0	2.5	3.2	3.2	3.2	3.2	3.2	3.2	
11	n/a	n/a	n/a	1.9	n/a	n/a	4.4	27.0	11.7	0.5	0.5	6.7	0.5	4.9	1.5	16.4	3.0	3.1	2.7	2.7	2.7	2.7	2.7	
12	n/a	n/a	n/a	2.0	14.5	3.8	26.5	19.2	0.5	5.4	5.4	4.2	10.5	12.7	2.5	2.5	2.3	2.3	2.3	2.3	2.3	2.3	2.3	
13	n/a	n/a	n/a	2.0	1.7	4.4	11.6	0.4	9.5	4.2	3.6	3.6	3.6	3.6	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	
14	n/a	n/a	n/a	1.6	n/a	n/a	3.4	8.4	8.4	n/a	n/a	2.0	3.7	3.1	7.6	20.0	3.5	1.8	1.8	1.8	1.8	1.8	1.8	
15	n/a	n/a	n/a	1.3	43.5	6.7	6.6	n/a	6.6	n/a	15.5	3.0	2.7	2.7	6.4	6.4	3.1	1.6	1.6	1.6	1.6	1.6	1.6	
16	n/a	n/a	n/a	1.2	1.5	8.7	5.1	n/a	5.1	n/a	11.0	2.6	2.4	2.4	5.5	2.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	
17	n/a	n/a	n/a	1.0	n/a	n/a	6.5	6.5	4.2	3.5	n/a	1.5	3.6	2.2	4.7	17.0	1.7	1.2	1.2	1.2	1.2	1.2	1.2	
18	1.5	n/a	n/a	1.0	n/a	n/a	1.0	11.5	1.2	27.0	5.9	3.6	1.5	1.9	18.5	4.4	11.5	4.6	1.0	1.0	1.0	1.0	1.0	
19	5.5	n/a	n/a	4.4	30.0	9.4	3.0	n/a	3.0	n/a	2.5	2.0	1.7	155.0	50.3	0.5	3.9	1.0	1.0	1.0	1.0	1.0	1.0	
20	0.5	n/a	n/a	2.5	39.0	33.4	96.5	25.0	2.0	n/a	59.0	1.6	1.5	9.0	65.1	2.1	0.8	0.8	0.8	0.8	0.8	0.8	0.8	
21	0.5	n/a	n/a	1.8	3.5	16.6	17.7	1.4	1.4	n/a	33.0	1.4	1.4	24.6	1.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	
22	n/a	14.5	n/a	1.5	29.5	13.8	10.7	n/a	10.7	n/a	24.0	2.2	14.6	1.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
23	n/a	5.5	n/a	1.2	4.5	12.4	7.7	8.0	8.0	n/a	58.5	2.6	9.0	2.0	10.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
24	n/a	n/a	n/a	1.0	n/a	n/a	1.2	4.5	12.4	7.7	8.0	n/a	58.5	2.6	9.0	2.0	10.3	1.2	1.2	1.2	1.2	1.2	1.2	
25	n/a	n/a	n/a	1.5	n/a	n/a	0.9	9.3	3.0	6.3	10.0	n/a	8.0	1.6	3.0	1.5	1.0	n/a	n/a	n/a	n/a	n/a	n/a	
26	n/a	n/a	n/a	5.5	n/a	n/a	7.6	3.0	5.3	5.5	n/a	3.0	1.3	2.0	1.3	6.0	6.7	0.5	0.9	0.9	0.9	0.9	0.9	
27	n/a	n/a	n/a	15.2	n/a	n/a	6.3	6.3	4.4	n/a	0.5	1.1	5.0	2.3	5.5	2.5	0.9	n/a	n/a	n/a	n/a	n/a	n/a	
28	n/a	n/a	n/a	10.3	n/a	n/a	5.2	3.8	3.0	n/a	7.5	1.1	20.0	2.8	4.6	0.7	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
29	n/a	n/a	n/a	6.5	n/a	n/a	4.3	3.3	91.0	9.0	1.1	0.5	2.0	4.0	0.6	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
30	n/a	n/a	n/a	6.5	n/a	n/a	3.6	2.8	8.5	6.9	19.5	3.5	16.0	14.1	19.0	3.7	0.5	n/a	n/a	n/a	n/a	n/a	n/a	
31	n/a	n/a	n/a	11.5	9.9	40.0	3.7	15.0	5.5	45.0	52.5	16.0	6.1	13.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
total	8.0	n/a	28.5	90.6	303.5	219.1	274.0	241.3	153.5	n/a	297.0	170.4	221.5	147.8	573.0	558.9	72.0	75.2	113.5	n/a	n/a	n/a	n/a	

n/a

annual runoff:

2215.0

annual precipitation:

n/a : data not available

unit: mm/day

2004

付表 - 5 . トウバク沢流域の日降水量と日流出量 (つづき)

TOUBAKUSAWA 2005

unit: mm/day

n/a : data not available

annual precipitation: 1341.5

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	n/a	n/a	n/a	n/a	9.0	0.5	2.5	0.6	0.5	1.0	0.5	5.0	1.2	0.5	3.3	4.7	2.4	1.8	n/a	n/a	n/a	n/a	n/a	n/a
2	n/a	n/a	n/a	n/a	n/a	0.3	1.0	0.3	1.0	0.5	5.0	1.2	0.5	3.3	5.0	1.6	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
3	n/a	n/a	n/a	n/a	10.5	0.4	0.4	0.3	1.0	0.3	1.0	2.0	2.8	6.0	1.1	0.8	n/a	0.8	n/a	n/a	0.5	n/a	n/a	n/a
4	n/a	n/a	20.0	n/a	6.5	0.8	0.8	0.2	3.5	n/a	3.5	56.5	1.9	1.5	1.0	0.5	13.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a
5	n/a	n/a	17.5	n/a	13.5	0.4	0.1	3.5	n/a	0.1	3.5	12.0	8.9	1.5	0.8	31.5	n/a	33.0	n/a	n/a	n/a	n/a	n/a	n/a
6	n/a	n/a	2.5	n/a	n/a	1.6	6.5	n/a	1.6	6.5	n/a	12.0	8.9	1.5	0.8	31.5	n/a	33.0	n/a	n/a	n/a	n/a	n/a	n/a
7	n/a	n/a	n/a	n/a	n/a	3.3	7.0	0.1	3.3	7.0	0.1	n/a	n/a	6.6	8.0	n/a	24.5	2.4	5.0	1.5	n/a	n/a	n/a	n/a
8	n/a	n/a	n/a	n/a	n/a	5.6	n/a	5.6	5.6	n/a	0.5	0.5	23.0	3.6	0.5	11.5	n/a	6.5	4.0	n/a	n/a	n/a	n/a	n/a
9	n/a	n/a	n/a	n/a	n/a	4.6	n/a	4.6	4.6	n/a	n/a	2.5	2.5	3.6	0.5	n/a	1.0	5.2	41.5	n/a	n/a	n/a	n/a	n/a
10	n/a	n/a	n/a	n/a	n/a	3.8	n/a	3.8	3.8	n/a	2.5	2.5	2.8	1.0	n/a	3.6	12.0	10.2	n/a	n/a	n/a	n/a	n/a	n/a
11	n/a	n/a	n/a	n/a	6.0	5.6	n/a	5.6	5.6	n/a	2.0	2.0	4.3	4.5	n/a	31.5	2.4	4.5	6.9	2.0	n/a	n/a	n/a	n/a
12	n/a	n/a	n/a	n/a	7.0	5.1	9.0	5.1	9.0	5.1	2.0	0.5	2.6	12.0	n/a	3.1	n/a	3.1	5.2	11.5	n/a	n/a	n/a	n/a
13	n/a	n/a	n/a	n/a	2.5	4.7	6.0	4.7	6.0	4.7	4.5	0.5	2.0	2.0	n/a	3.4	n/a	3.4	4.4	n/a	n/a	n/a	n/a	n/a
14	n/a	n/a	n/a	n/a	n/a	3.6	n/a	3.6	n/a	3.6	0.5	0.5	1.0	1.6	4.5	n/a	2.0	n/a	3.1	n/a	n/a	n/a	n/a	n/a
15	23.0	n/a	n/a	n/a	n/a	2.7	1.5	2.7	1.5	2.7	1.5	19.0	n/a	1.2	1.0	n/a	1.4	19.5	2.1	4.0	n/a	n/a	n/a	n/a
16	28.0	n/a	n/a	n/a	n/a	8.0	2.3	8.0	2.3	8.0	9.5	n/a	n/a	1.0	2.0	n/a	1.0	0.9	13.5	1.6	n/a	n/a	n/a	n/a
17	n/a	1.5	n/a	n/a	n/a	2.0	n/a	2.0	n/a	2.0	0.5	n/a	n/a	0.7	0.5	n/a	0.6	19.5	3.1	n/a	n/a	n/a	n/a	n/a
18	n/a	1.5	n/a	n/a	n/a	3.5	1.6	3.5	1.6	3.5	0.5	0.5	n/a	0.6	n/a	n/a	0.4	25.5	2.9	n/a	n/a	n/a	n/a	n/a
19	n/a	16.0	n/a	n/a	n/a	1.4	n/a	1.4	n/a	1.4	5.5	n/a	n/a	0.4	n/a	n/a	n/a	0.5	9.8	n/a	n/a	n/a	n/a	n/a
20	n/a	1.5	n/a	n/a	38.5	4.1	n/a	38.5	4.1	n/a	n/a	n/a	n/a	0.2	n/a	n/a	n/a	n/a	7.3	n/a	n/a	n/a	n/a	n/a
21	n/a	0.5	n/a	n/a	7.0	6.1	n/a	7.0	6.1	n/a	n/a	n/a	n/a	n/a	n/a	n/a	6.5	n/a	5.3	n/a	n/a	n/a	n/a	n/a
22	n/a	n/a	n/a	n/a	0.5	4.3	4.5	4.3	4.5	4.3	17.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1.5	3.8	n/a	n/a	n/a	n/a
23	n/a	n/a	29.5	n/a	n/a	3.1	4.0	3.1	4.0	3.1	10.0	1.0	n/a	4.0	n/a	0.5	n/a	0.5	n/a	2.8	n/a	n/a	n/a	n/a
24	n/a	n/a	6.5	4.2	n/a	2.4	3.0	2.4	3.0	2.4	3.0	1.0	n/a	6.0	n/a	9.0	n/a	1.9	n/a	1.5	n/a	n/a	n/a	n/a
25	n/a	2.0	n/a	0.5	1.1	1.8	n/a	1.8	n/a	1.8	n/a	12.5	n/a	71.0	n/a	10.0	n/a	1.3	n/a	1.0	n/a	n/a	n/a	n/a
26	n/a	n/a	n/a	n/a	n/a	0.5	1.6	0.5	1.6	0.5	n/a	125.5	n/a	45.0	n/a	n/a	n/a	0.9	n/a	0.5	n/a	n/a	n/a	n/a
27	n/a	n/a	n/a	n/a	n/a	0.2	1.3	0.2	1.3	0.2	n/a	n/a	n/a	0.5	33.0	n/a	2.5	n/a	3.0	0.5	n/a	n/a	n/a	n/a
28	n/a	n/a	5.5	0.7	n/a	1.0	n/a	1.0	n/a	1.0	1.0	n/a	14.6	6.0	7.3	1.5	n/a	n/a	0.7	n/a	n/a	n/a	n/a	n/a
29	n/a	n/a	1.5	3.6	n/a	0.9	n/a	0.9	n/a	0.9	29.0	n/a	7.4	0.5	5.0	0.5	n/a	n/a	1.0	n/a	n/a	n/a	n/a	n/a
30	n/a	n/a	n/a	n/a	1.7	0.8	25.5	n/a	0.8	25.5	n/a	31.5	n/a	5.2	6.5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
31	n/a	n/a	n/a	n/a	n/a	1.0	23.0	n/a	1.0	23.0	n/a	3.5	0.5	2.4	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
total	51.0	n/a	23.0	n/a	92.5	n/a	98.0	77.7	94.5	n/a	146.0	n/a	250.0	n/a	200.0	n/a	127.5	n/a	198.5	n/a	43.0	n/a	17.5	n/a

付表 - 5 . トウバク沢流域の日降水量と日流出量（つづき）

TOUBAKUSAWA 2006

unit: mm/day

annual precipitation: 1840.0

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	0.5	n/a	12.5	n/a	3.5	n/a					0.4		0.9	n/a	n/a		7.5	0.4	11.0	n/a	n/a	n/a	n/a	
2	n/a	n/a	n/a	5.2	n/a	1.0	n/a				1.0		0.6	n/a	n/a		n/a	0.2	n/a	n/a	n/a	n/a	n/a	
3	n/a	n/a	n/a	n/a	n/a	1.1	n/a				1.1		0.5	n/a	n/a		n/a	n/a	n/a	n/a	n/a	n/a	n/a	
4	n/a	n/a	0.5	n/a	n/a	n/a	n/a				0.4		0.2	0.5	n/a	2.0	n/a	n/a	2.0	n/a	n/a	n/a	20.0	
5	n/a	n/a	n/a	n/a	n/a	n/a	17.5	n/a			0.2		18.5	n/a	n/a	30.5	n/a	n/a	30.5	n/a	n/a	n/a	0.5	
6	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a			0.1	17.0	n/a	n/a	n/a	n/a	21.5	n/a	142.5	n/a	n/a	n/a	n/a	
7	0.5	n/a	0.5	n/a	n/a	1.0	n/a	3.0	n/a	0.5	5.5	n/a	n/a	n/a	n/a	1.5	n/a	1.0	1.0	n/a	0.5	n/a	n/a	
8	n/a	n/a	0.5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	5.0	n/a	n/a	n/a	n/a	n/a	0.5	n/a	n/a	n/a	n/a	n/a	n/a	
9	n/a	n/a	0.5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	24.5	n/a	10.5	n/a	48.0	n/a	0.5	n/a	n/a	n/a	n/a	n/a	19.0	
10	n/a	n/a	0.5	n/a	n/a	4.5	n/a	4.5	n/a	1.0	0.5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1.5	
11	0.5	n/a	n/a	n/a	n/a	22.5	n/a	22.5	n/a	0.5	8.0	n/a	n/a	n/a	19.5	0.5	31.5	n/a	1.0	n/a	20.5	n/a	n/a	
12	n/a	n/a	0.5	n/a	n/a	n/a	22.0	16.0	n/a	n/a	n/a	n/a	n/a	n/a	26.0	3.7	27.0	n/a	n/a	n/a	n/a	n/a	n/a	
13	n/a	n/a	n/a	n/a	n/a	n/a	n/a	6.1	16.5	n/a	0.5	n/a	n/a	n/a	n/a	3.7	25.0	n/a	n/a	n/a	n/a	n/a	4.5	
14	27.0	n/a	n/a	n/a	0.5	n/a	1.0	5.0	n/a	n/a	n/a	n/a	11.5	n/a	n/a	1.9	21.5	n/a	0.5	n/a	0.5	n/a	6.0	
15	28.5	n/a	3.5	n/a	0.5	n/a	n/a	3.3	n/a	n/a	13.5	n/a	1.0	n/a	0.5	1.2	3.0	n/a	n/a	n/a	1.5	n/a	8.0	
16	n/a	n/a	32.5	n/a	48.0	n/a	1.0	2.2	3.0	n/a	50.0	n/a	3.0	n/a	0.5	0.9	1.0	n/a	n/a	n/a	n/a	n/a	n/a	
17	n/a	n/a	5.0	n/a	n/a	5.4	n/a	1.6	7.0	n/a	2.5	n/a	65.0	n/a	2.0	0.7	4.5	n/a	n/a	n/a	n/a	n/a	0.5	
18	n/a	n/a	2.0	n/a	n/a	0.7	n/a	1.1	2.5	n/a	13.5	n/a	72.0	n/a	0.4	24.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
19	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1.0	6.0	n/a	n/a	n/a	95.0	n/a	0.2	n/a	n/a	n/a	n/a	n/a	16.5	n/a	n/a	
20	n/a	n/a	5.5	n/a	n/a	n/a	32.0	7.7	24.5	n/a	n/a	n/a	3.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a	27.5	n/a	n/a	
21	n/a	n/a	11.5	n/a	n/a	0.5	0.5	4.7	n/a	4.0	n/a	n/a	19.0	n/a	0.5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.5	
22	n/a	n/a	0.5	n/a	n/a	n/a	n/a	2.9	n/a	2.2	8.0	n/a	n/a	n/a	33.5	n/a	7.5	n/a	5.0	n/a	n/a	n/a	n/a	
23	n/a	n/a	n/a	n/a	14.5	n/a	n/a	2.1	n/a	1.5	n/a	n/a	4.0	n/a	0.5	2.6	2.0	n/a	15.0	n/a	n/a	n/a	n/a	
24	n/a	n/a	0.5	n/a	0.5	n/a	2.0	33.0	1.8	3.5	0.9	n/a	2.0	n/a	3.5	0.9	n/a	24.0	n/a	n/a	1.0	n/a	n/a	
25	n/a	n/a	0.5	n/a	0.5	n/a	n/a	1.6	n/a	5.5	n/a	n/a	11.5	n/a	15.5	1.2	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
26	n/a	n/a	67.0	n/a	0.5	n/a	n/a	1.0	2.9	1.0	2.9	1.0	n/a	n/a	6.5	1.9	20.5	n/a	n/a	n/a	5.0	n/a	67.5	
27	n/a	n/a	n/a	n/a	n/a	n/a	5.5	0.7	5.0	2.2	n/a	n/a	n/a	n/a	3.5	1.8	13.0	n/a	n/a	n/a	13.0	n/a	15.0	
28	n/a	n/a	n/a	n/a	10.5	n/a	n/a	0.6	12.0	2.7	n/a	n/a	n/a	n/a	n/a	1.6	n/a	n/a	n/a	n/a	3.0	n/a	0.5	
29	n/a	n/a	n/a	n/a	1.0	n/a	n/a	0.4	n/a	2.2	n/a	n/a	10.5	n/a	n/a	1.2	n/a	n/a	1.0	n/a	n/a	n/a	2.0	
30	n/a	n/a	n/a	n/a	0.5	n/a	n/a	0.2	n/a	1.6	n/a	n/a	n/a	n/a	0.5	0.8	n/a	n/a	n/a	n/a	0.5	n/a	n/a	
31	n/a	n/a	n/a	n/a	1.0	n/a	n/a	1.2	n/a	1.5	n/a	n/a	1.5	n/a	0.5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.5	
total	57.0	n/a	144.0	n/a	87.0	n/a	109.5	n/a	112.5	n/a	149.5	n/a	328.5	n/a	170.0	n/a	212.0	n/a	233.5	n/a	89.5	n/a	147.0	

付表 - 5 . トウバク沢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	0.5	n/a	n/a	n/a	2.5	1.5	0.5	1.5	9.0	n/a	6.0	4.5	n/a	8.1	2.5	8.1	4.5	n/a	2.5	8.1	0.5	n/a	6.2	n/a
2	n/a	30.0	n/a	0.6	2.5	1.9	1.0	5.0	n/a	4.7	0.5	n/a	3.0	5.1	3.0	5.1	0.5	n/a	3.0	5.1	0.5	n/a	n/a	n/a
3	n/a	0.5	n/a	25.5	0.7	0.5	1.4	0.7	11.5	n/a	6.0	4.1	n/a	2.0	4.3	n/a	n/a	n/a	2.0	4.3	n/a	n/a	0.5	n/a
4	15.0	n/a	n/a	9.5	n/a	1.0	1.0	0.5	36.0	n/a	3.3	1.0	n/a	3.5	n/a	n/a	n/a	n/a	3.5	n/a	n/a	n/a	n/a	n/a
5	n/a	0.5	n/a	13.5	n/a	2.0	n/a	0.8	4.0	5.2	38.5	3.0	43.5	n/a	3.0	2.8	2.5	5.0	3.0	2.8	2.5	5.0	n/a	n/a
6	24.5	n/a	n/a	0.5	n/a	21.0	1.6	21.5	0.4	1.4	3.9	299.0	89.9	3.0	3.0	3.0	3.0	2.8	3.0	3.0	5.0	n/a	n/a	n/a
7	2.5	n/a	n/a	38.0	n/a	3.5	3.0	2.0	0.6	0.7	2.7	80.0	128.1	2.2	2.8	2.8	2.8	2.8	2.8	2.8	2.8	n/a	n/a	n/a
8	0.5	n/a	n/a	1.0	n/a	1.8	1.3	13.0	0.4	1.5	0.4	1.5	0.4	1.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	1.0	n/a
9	0.5	n/a	n/a	2.0	0.4	1.3	1.8	0.4	1.5	1.0	0.2	1.6	1.6	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	n/a	n/a	n/a
10	n/a	1.0	n/a	1.0	n/a	13.0	1.2	7.0	3.0	13.5	0.1	1.3	8.5	15.2	2.0	2.0	2.0	2.0	2.0	2.0	9.0	n/a	n/a	n/a
11	n/a	1.0	n/a	5.0	n/a	5.0	1.6	1.6	2.2	6.5	1.3	1.0	9.0	11.7	n/a	n/a	6.5	n/a	n/a	n/a	6.5	n/a	n/a	n/a
12	0.5	n/a	n/a	1.0	n/a	1.0	1.0	1.0	1.6	9.5	1.0	0.7	57.5	33.6	0.5	0.5	0.5	0.5	0.5	0.5	n/a	n/a	3.0	n/a
13	n/a	0.5	n/a	1.5	n/a	n/a	0.8	1.2	0.9	0.9	0.4	1.2	18.7	n/a	n/a	n/a	18.7	n/a	n/a	n/a	n/a	n/a	10.5	n/a
14	n/a	28.0	n/a	16.0	n/a	0.5	1.0	59.5	4.0	0.2	0.2	11.8	n/a	n/a	n/a	n/a	11.8	n/a	n/a	n/a	n/a	n/a	n/a	n/a
15	0.5	n/a	n/a	0.5	1.0	0.5	0.4	1.0	92.0	48.1	1.0	0.1	8.0	2.5	n/a	n/a	8.0	2.5	n/a	n/a	n/a	n/a	n/a	n/a
16	n/a	0.5	n/a	6.0	0.5	0.2	0.2	2.5	33.7	n/a	n/a	n/a	7.6	2.0	n/a	n/a	7.6	2.0	n/a	n/a	n/a	n/a	n/a	n/a
17	5.0	n/a	n/a	23.0	0.5	34.0	1.9	0.3	11.0	16.2	n/a	n/a	6.9	0.5	n/a	n/a	6.9	0.5	n/a	n/a	n/a	n/a	n/a	n/a
18	2.0	n/a	n/a	11.5	0.5	2.0	2.0	0.2	15.5	12.9	n/a	n/a	3.0	6.4	n/a	n/a	3.0	6.4	n/a	n/a	n/a	n/a	0.5	n/a
19	0.5	n/a	n/a	17.0	0.2	6.0	1.3	1.0	0.1	8.9	10.5	n/a	0.5	6.0	19.5	n/a	0.5	6.0	19.5	n/a	n/a	n/a	n/a	n/a
20	n/a	0.5	n/a	0.5	0.6	1.1	1.1	n/a	1.5	6.7	n/a	n/a	4.8	n/a	n/a	n/a	4.8	n/a	n/a	n/a	n/a	n/a	n/a	n/a
21	n/a	0.5	n/a	1.5	3.7	0.8	0.8	1.0	5.4	4.3	n/a	n/a	4.3	n/a	n/a	n/a	4.3	n/a	n/a	n/a	n/a	n/a	n/a	n/a
22	2.0	n/a	n/a	0.5	5.3	0.6	10.0	n/a	17.5	4.3	3.5	n/a	3.9	n/a	n/a	n/a	3.9	n/a	n/a	n/a	n/a	1.5	n/a	n/a
23	0.5	n/a	n/a	0.5	4.7	0.4	0.4	n/a	11.0	5.6	16.5	n/a	6.0	3.7	n/a	n/a	6.0	3.7	n/a	n/a	n/a	12.0	n/a	n/a
24	n/a	0.5	n/a	3.0	3.1	0.3	11.0	n/a	5.4	5.4	n/a	n/a	6.5	3.9	n/a	n/a	6.5	3.9	n/a	n/a	n/a	n/a	n/a	n/a
25	n/a	0.5	n/a	17.0	n/a	28.0	9.0	9.0	32.0	4.1	n/a	n/a	1.5	3.2	n/a	n/a	1.5	3.2	n/a	n/a	n/a	n/a	n/a	n/a
26	0.5	n/a	n/a	0.5	1.0	6.4	3.0	0.5	3.4	3.4	n/a	n/a	2.9	24.0	n/a	n/a	2.9	24.0	n/a	n/a	n/a	n/a	n/a	n/a
27	3.0	n/a	n/a	0.5	4.8	1.4	1.4	n/a	2.8	2.8	n/a	n/a	2.6	75.5	19.1	n/a	2.6	75.5	19.1	n/a	n/a	n/a	n/a	n/a
28	n/a	0.5	n/a	1.5	3.5	1.0	1.0	1.5	2.2	2.2	n/a	n/a	2.3	15.6	0.5	n/a	2.3	15.6	0.5	n/a	n/a	4.0	n/a	n/a
29	n/a	n/a	n/a	0.5	2.6	0.8	6.5	n/a	28.0	2.6	6.5	n/a	16.5	3.2	n/a	n/a	16.5	3.2	n/a	n/a	n/a	27.0	n/a	n/a
30	n/a	n/a	n/a	33.5	n/a	0.5	1.9	14.5	0.7	2.5	n/a	43.5	58	8.1	n/a	n/a	43.5	58	8.1	n/a	n/a	1.0	n/a	n/a
31	n/a	n/a	n/a	6.0	n/a	14.0	1.3	8.6	4.0	n/a	n/a	n/a	0.5	7.2	n/a	n/a	0.5	7.2	n/a	n/a	n/a	0.5	n/a	n/a
total	57.5	n/a	80.5	n/a	709.5	n/a	172.0	n/a	142.5	38.4	102.0	n/a	387.5	n/a	89.5	n/a	580.5	n/a	146.0	n/a	24.0	n/a	61.5	n/a

n/a

annual runoff:

1953.0

annual precipitation:

n/a : data not available

unit: mm/day

2007

付表 - 5 . トウバク沢流域の日降水量と日流出量（つづき）

TOUBAKUSAWA 2008

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	0.5	n/a		n/a	1.0	n/a		n/a		n/a		n/a		n/a	15.4	n/a	6.0	5.4		n/a		n/a
2	0.5	n/a	0.5	n/a	1.0	n/a		n/a	3.0	n/a		n/a		n/a		n/a	16.2	n/a		4.8		n/a		n/a
3		n/a		n/a	0.5	n/a		n/a	5.5	n/a		n/a		n/a		n/a	11.8	n/a		4.5		n/a		n/a
4		n/a	13.0	n/a	1.5	n/a	0.5	n/a		n/a		n/a		n/a		n/a	1.5	8.9		4.0		n/a		n/a
5		n/a	2.0	n/a	0.5	n/a		n/a	0.5	n/a		n/a		n/a		n/a	7.2	3.5	15.0	3.5		n/a		n/a
6		n/a	0.5	n/a	1.0	n/a		n/a		n/a		n/a		n/a		n/a	11.2	7.5	16.0	3.4		n/a		n/a
7		n/a	2.5	n/a		n/a	18.0	n/a		n/a		n/a		n/a		n/a	7.5	24.0	4.6	7.4		n/a		n/a
8		n/a	1.0	n/a		n/a	107.0	n/a		n/a		n/a		n/a		n/a	5.3	4.5	12.0	5.8		n/a		n/a
9	0.5	n/a		n/a		n/a		n/a		n/a		n/a		n/a		n/a	4.8	4.8		5.5		n/a		n/a
10		n/a	4.5	n/a	11.5	n/a	29.0	n/a		n/a		n/a		n/a		n/a	3.4	3.4		5.0	0.5	n/a		n/a
11	0.5	n/a	1.0	n/a	1.5	n/a	1.5	n/a		n/a		n/a		n/a		n/a	2.7			4.5		n/a		n/a
12	14.0	n/a	5.0	n/a		n/a		n/a		n/a		n/a		n/a		n/a	2.3	2.3		4.1		n/a		n/a
13	1.5	n/a	3.0	n/a		n/a	7.5	n/a		n/a		n/a		n/a		n/a	1.9			3.7		n/a		n/a
14	0.5	n/a	0.5	n/a	15.0	n/a	5.0	n/a		n/a		n/a		n/a		n/a	1.7		8.5	3.5		n/a		n/a
15		n/a	0.5	n/a	1.5	n/a		n/a		n/a		n/a		n/a		n/a	3.3	1.0	0.5	3.5		n/a		n/a
16	0.5	n/a	0.5	n/a		n/a		n/a		n/a		n/a		n/a		n/a	8.0			4.6	5.0	n/a		n/a
17		n/a	1.0	n/a		n/a	19.0	n/a		n/a		n/a		n/a		n/a		n/a		3.5		n/a		n/a
18		n/a		n/a		n/a	51.0	n/a		n/a		n/a		n/a		n/a	8.5	n/a		2.0		n/a		n/a
19	0.5	n/a	1.0	n/a	6.5	n/a	3.0	n/a		n/a		n/a		n/a		n/a	3.2	17.0	n/a	n/a		n/a		n/a
20		n/a	0.5	n/a	29.5	n/a	0.5	n/a		n/a		n/a		n/a		n/a	2.5	14.0	n/a	n/a		n/a		n/a
21	1.0	n/a		n/a	8.0	n/a		n/a		n/a		n/a		n/a		n/a	16.5	4.6		n/a		n/a		n/a
22	1.5	n/a		n/a	1.0	n/a		n/a		n/a		n/a		n/a		n/a	63.0	3.5		n/a		n/a		n/a
23	10.5	n/a		n/a		n/a		n/a		n/a		n/a		n/a		n/a	26.8	3.0		n/a		n/a		n/a
24	2.5	n/a		n/a	22.0	n/a	12.0	n/a		n/a		n/a		n/a		n/a	13.7	12.0	n/a	n/a		n/a		n/a
25	1.0	n/a		n/a	0.5	n/a	1.0	n/a		n/a		n/a		n/a		n/a	9.9			n/a	20.0	n/a		n/a
26	0.5	n/a	12.5	n/a	5.0	n/a	8.2	n/a		n/a		n/a		n/a		n/a	8.1			n/a	2.5	n/a		n/a
27		n/a	2.0	n/a	8.5	n/a	5.4	n/a		n/a		n/a		n/a		n/a	7.3			n/a	6.5	n/a		n/a
28		n/a	2.0	n/a		n/a	4.3	n/a		n/a		n/a		n/a		n/a				n/a	21.5	n/a		n/a
29	1.5	n/a	1.0	n/a		n/a		n/a		n/a		n/a		n/a		n/a	15.5			n/a	n/a			n/a
30	1.5	n/a		n/a	0.5	n/a		n/a		n/a		n/a		n/a		n/a	5.2			n/a	n/a			n/a
31	1.0	n/a		n/a	8.0	n/a		n/a		n/a		n/a		n/a		n/a	5.0			n/a	n/a			n/a
total	39.5	n/a	55.0	n/a	123.5	n/a	266.5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	276.0	189.0	n/a	74.0	n/a	57.0	n/a	80.5	n/a

付表 - 5 . トウバク沢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		n/a	0.5	n/a	0.5	n/a	1.0	3.8		7.2	4.0	18.6	7.0	4.9	9.0	7.7	4.5	4.1	n/a	n/a	7.0	4.0	3.0	
2		n/a	2.0	n/a	2.0	n/a	2.0	3.5		6.5	6.5	12.8	5.5	4.7	17.0	7.4	7.5	2.3	20.0	n/a	8.5	4.4	1.0	
3	1.0	n/a	0.5	n/a	1.0	n/a	0.5	1.6		5.9		10.5	16.5	4.4	9.1	2.0	2.0	1.9	2.5	n/a		4.2	18.5	
4		n/a		n/a	8.5	n/a	5.5	n/a		5.4		9.1	2.0	5.7		6.7	5.5	1.7		n/a		3.3	4.4	
5	10.0	n/a		n/a	8.5	n/a	0.5	3.5	22.0	5.2	5.0	8.0		4.3	5.3		1.7	5.0	n/a		2.9	16.5	3.5	
6	0.5	n/a	1.0	n/a	37.0	n/a	0.5	n/a	34.0	9.1	2.0	7.3	3.0	3.9	12.0	4.8		n/a	9.5	n/a		2.7	1.0	
7		n/a	0.5	n/a	0.5	n/a	0.5	n/a	16.5	15.6		6.5		3.5	2.0	5.8		n/a	26.0	n/a		2.6	3.4	
8		n/a		n/a	0.5	n/a	0.5	n/a	27.0	20.1	19.0	6.3	0.5	3.0	34.5	11.2	0.5	n/a	59.5	29.5		2.5	3.1	
9	14.5	n/a		n/a	0.5	n/a	0.5	3.3	0.5	17.8	7.5	7.5		2.7	2.0	10.5		n/a	10.9			2.2	2.9	
10	1.0	n/a		n/a	37.0	n/a		3.6		13.6	1.0	5.9		2.4	23.0	13.7		n/a	1.0	8.0	6.5	n/a	2.8	
11	0.5	n/a		n/a	1.0	n/a		4.3		11.2	5.0	5.6		n/a	2.0	10.8		n/a		6.2	56.5	15.2	21.0	
12		n/a		n/a	0.5	n/a		4.7		9.5		5.1		n/a	2.5	9.1	25.5	n/a		5.1	2.0	10.9	1.5	
13		n/a		n/a	2.5	n/a		5.1		8.2		4.6		n/a		7.7	0.5	n/a		4.3	3.5	8.9	0.5	
14	0.5	n/a	24.5	n/a	71.0	n/a	30.0	7.4		7.2	12.0	4.5		n/a	1.0	6.4		n/a	3.0	3.8	36.5	21.2	2.8	
15		n/a		n/a	2.0	n/a	4.0	14.3		6.4	27.0	4.8		n/a		5.4	1.5	n/a	0.5	3.5		16.1	2.6	
16		n/a		n/a	0.5	n/a	2.5	9.8	0.5	5.9	57.5	16.1		n/a	0.5	4.4		n/a		3.0		11.9	2.4	
17	0.5	n/a		n/a		n/a	22.0	13.5	13.0	6.0	2.5	16.4	21.5	n/a		3.7		n/a	0.5	3.6	24.5	11.2	0.5	
18	4.5	n/a	0.5	n/a		n/a	0.5	11.0	2.0	8.4	0.5	11.5	0.5	n/a		3.4		n/a		4.3		10.7	n/a	
19	24.5	n/a		n/a	0.5	n/a	7.5	0.5	9.5		6.2		n/a		2.9			n/a		2.8		8.8	n/a	
20	1.5	n/a	27.5	n/a	6.5	n/a	0.5	8.3		5.6		8.1		n/a		2.6		n/a		n/a		7.8	0.5	
21	1.5	n/a	0.5	n/a	0.5	n/a	8.8	31.0	10.0	5.3	27.5	11.0	4.0	n/a		2.4		n/a		n/a		6.9	n/a	
22	2.0	n/a	0.5	n/a	7.5	n/a	3.0	16.6		4.8	10.0	9.9	1.0	n/a		1.9		n/a		n/a	0.5	6.2	n/a	
23		n/a		n/a	1.5	n/a	11.1		11.4		4.4	10.5	14.1	1.5	n/a			n/a		n/a	1.0	5.6	n/a	
24	0.5	n/a	3.5	n/a	0.5	n/a	0.5	8.5	0.5	9.7	20.0	4.8	6.0	11.1	24.5	n/a		n/a	3.5	n/a	1.0	5.1	n/a	
25	11.5	n/a	8.5	n/a	4.0	n/a	7.5	45.5	17.8	5.4		9.6	1.5	3.6	1.5	n/a		n/a	2.5	n/a	12.0	5.5	0.5	
26	0.5	n/a		n/a	1.5	n/a	6.5	2.5	17.3		4.1		8.3		0.5	n/a		n/a	7.3	n/a		4.6	1.5	
27		n/a	7.0	n/a	0.5	n/a	5.9		13.6		3.7		7.2	2.0	n/a			n/a	1.5	12.4		4.2	0.5	
28	0.5	n/a	1.5	n/a	0.5	n/a	5.2	0.5	11.3	18.5	3.0	6.3	1.5	n/a		n/a		n/a		6.9		3.8	4.0	
29		n/a		n/a		n/a	4.7		9.6	25.0	11.4	3.0	5.6	11.0	18.0	n/a	2.5	n/a		5.4		3.5	0.5	
30	11.5	n/a		n/a	0.5	n/a	4.4		8.2	16.5	10.1	1.5	5.2	10.0	6.7	9.0	n/a	17.0	n/a		4.6	4.5	3.4	
31	45.0	n/a		n/a	0.5	n/a	4.0		27.5	15.7		19.5	6.9	29.5	n/a			n/a		4.1		2.5	n/a	
total	132.0	n/a	116.0	n/a	198.0	n/a	154.0	n/a	223.0	254.5	197.0	267.2	133.0	n/a	164.0	n/a	67.5	n/a	208.0	n/a	163.0	n/a	70.5	n/a

n/a

annual runoff:

1826.0

annual precipitation:

n/a : data not available

unit: mm/day

2009

TOUBAKUSAWA

付表 - 5 . トウバク沢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	0.5	n/a	16.0	n/a	n/a	n/a	1.0	6.3	n/a	n/a	n/a	n/a	8.5	24.0	12.1	3.5	4.4	n/a	n/a	8.9	30.0	33.4	n/a	3.0
2	0.5	n/a	2.5	n/a	n/a	n/a	41.0	36.5	n/a	n/a	n/a	n/a	7.4	4.5	13.8	2.0	4.2	n/a	n/a	6.9	30.0	20.3	0.5	n/a
3	n/a	n/a	2.5	n/a	n/a	n/a	n/a	22.9	n/a	n/a	n/a	1.0	6.6	4.5	10.9	n/a	3.5	n/a	n/a	3.0	5.7	13.8	34.5	n/a
4	1.0	n/a	0.5	n/a	n/a	n/a	0.5	15.5	n/a	n/a	6.0	6.0	7.0	10.1	n/a	3.0	n/a	n/a	n/a	5.5	10.8	0.5	5.8	
5	7.5	n/a	n/a	n/a	8.5	n/a	22.5	18.9	n/a	n/a	5.6	5.6	8.2	8.3	n/a	2.7	n/a	n/a	1.0	4.9	8.9	n/a	4.5	
6	n/a	n/a	n/a	n/a	6.0	n/a	6.1	0.5	15.6	n/a	n/a	n/a	4.9	2.5	7.2	7.0	2.6	n/a	n/a	4.0	7.5	n/a	4.1	
7	0.5	n/a	n/a	n/a	16.0	n/a	6.1	16.5	14.1	7.0	5.9	4.4	16.0	6.6	6.6	2.5	0.5	n/a	n/a	3.2	6.6	7.5	3.8	
8	0.5	n/a	n/a	n/a	6.5	n/a	4.4	1.5	n/a	n/a	5.6	1.5	4.1	6.7	1.0	2.2	21.5	n/a	2.8	2.8	5.7	6.0	3.8	
9	n/a	n/a	n/a	n/a	n/a	n/a	3.3	n/a	n/a	n/a	4.9	3.5	3.9	47.5	11.1	14.0	3.2	8.0	n/a	4.3	5.3	1.5	3.4	
10	n/a	n/a	n/a	n/a	n/a	n/a	3.0	n/a	n/a	n/a	4.6	3.4	3.4	17.4	14.0	2.7	n/a	n/a	7.0	10.5	4.8	0.5	3.1	
11	n/a	n/a	11.0	n/a	5.5	n/a	11.5	n/a	12.5	4.5	4.5	3.1	2.0	10.9	n/a	2.6	n/a	n/a	6.3	4.4	4.4	0.5	3.1	
12	6.0	n/a	6.0	n/a	1.0	n/a	45.5	n/a	1.5	4.8	n/a	2.9	1.0	9.1	n/a	2.2	n/a	n/a	5.0	2.2	4.1	n/a	2.0	
13	1.0	n/a	6.0	n/a	0.5	n/a	2.5	n/a	4.1	n/a	4.1	2.6	16.0	10.4	n/a	2.0	n/a	n/a	4.4	n/a	3.7	16.0	n/a	
14	n/a	n/a	1.5	n/a	n/a	n/a	3.1	n/a	n/a	n/a	3.7	10.0	2.8	34.0	24.6	n/a	1.9	2.5	n/a	3.9	3.3	20.0	12.2	
15	n/a	n/a	4.0	n/a	1.5	n/a	4.2	0.5	n/a	5.5	3.5	7.5	2.6	18.5	30.5	n/a	6.0	n/a	3.5	8.5	3.9	n/a	8.0	
16	n/a	n/a	23.5	n/a	22.0	n/a	20.3	n/a	n/a	3.2	29.5	9.9	27.0	21.6	1.5	n/a	42.5	n/a	3.1	1.0	3.7	n/a	6.3	
17	0.5	n/a	3.5	n/a	n/a	n/a	11.8	19.5	n/a	n/a	3.0	6.0	17.2	n/a	n/a	n/a	n/a	n/a	2.8	2.8	2.8	n/a	5.5	
18	n/a	n/a	2.5	n/a	1.0	n/a	8.8	6.0	n/a	n/a	2.4	25.0	4.8	12.5	n/a	n/a	0.5	n/a	2.6	0.5	n/a	n/a	5.0	
19	n/a	n/a	1.5	n/a	1.5	n/a	7.1	n/a	2.5	n/a	31.5	26.4	10.0	10.0	n/a	n/a	n/a	n/a	2.5	1.5	n/a	n/a	4.6	
20	n/a	n/a	2.0	n/a	1.5	n/a	6.1	2.0	n/a	8.5	n/a	12.7	8.3	n/a	n/a	n/a	n/a	n/a	2.3	n/a	n/a	n/a	4.3	
21	n/a	n/a	1.0	n/a	41.5	n/a	21.1	n/a	n/a	0.5	n/a	0.5	9.7	7.2	n/a	n/a	n/a	n/a	3.0	2.0	n/a	n/a	4.5	
22	n/a	n/a	n/a	n/a	n/a	n/a	12.2	27.5	n/a	n/a	3.0	8.2	10.0	6.2	n/a	n/a	n/a	n/a	4.0	2.2	33.5	n/a	5.3	
23	n/a	n/a	n/a	n/a	3.0	n/a	10.1	9.0	n/a	21.5	n/a	20.0	8.6	5.7	6.0	n/a	46.0	n/a	n/a	2.2	16.0	12.3	4.9	
24	n/a	n/a	n/a	n/a	21.0	n/a	8.7	2.5	n/a	24.5	15.6	n/a	7.5	4.7	2.5	n/a	2.5	6.8	7.0	n/a	n/a	6.7	4.5	
25	n/a	n/a	n/a	n/a	22.0	n/a	13.3	n/a	n/a	1.0	12.0	6.2	21.0	4.5	1.5	n/a	11.5	5.9	6.5	n/a	n/a	5.2	3.8	
26	n/a	n/a	n/a	n/a	13.5	n/a	12.0	n/a	n/a	20.5	15.1	6.0	5.5	19.0	4.9	n/a	10.5	4.6	2.0	3.5	n/a	4.5	2.9	
27	n/a	n/a	13.5	n/a	17.0	n/a	9.9	22.0	n/a	n/a	19.0	4.5	5.8	5.1	1.0	n/a	13.5	8.8	n/a	n/a	n/a	4.0	n/a	
28	11.0	n/a	11.0	4.3	2.5	n/a	8.5	18.5	n/a	n/a	12.7	5.0	3.8	3.8	n/a	n/a	29.0	26.5	28.5	n/a	n/a	3.7	n/a	
29	n/a	n/a	n/a	n/a	2.5	n/a	7.4	12.5	n/a	23.0	11.4	31.5	6.3	6.0	3.8	n/a	16.2	n/a	n/a	n/a	6.6	n/a	n/a	
30	0.5	n/a	n/a	n/a	1.0	n/a	6.5	n/a	n/a	4.5	11.3	39.5	16.8	2.0	6.7	23.0	n/a	3.0	11.2	76.5	25.8	n/a	n/a	
31	n/a	n/a	n/a	n/a	1.0	n/a	5.9	n/a	n/a	1.5	9.5	n/a	6.5	4.7	n/a	n/a	n/a	15.5	22.4	n/a	n/a	3.3	n/a	
total	29.5	n/a	108.5	n/a	196.5	n/a	263.0	n/a	135.5	n/a	220.5	208.2	269.0	316.6	77.0	n/a	197.5	n/a	185.0	n/a	91.0	n/a	95.5	n/a

TOUBAKUSAWA 2010 unit: mm/day annual precipitation: 1868.5 annual runoff: n/a

付表 - 5 . トウバク沢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		n/a		n/a	5.5	n/a		n/a		n/a	2.0		32.0		1.0									
2		n/a		n/a	2.0	n/a		n/a		n/a	4.5		0.5											
3		n/a	0.5	n/a	2.0	n/a		n/a		n/a														
4		n/a		n/a	3.0	n/a		n/a		n/a			6.5											
5		n/a		n/a	1.0	n/a		n/a		n/a	1.0													
6		n/a	0.5	n/a		n/a		n/a		n/a														
7		n/a	1.5	n/a	7.0	n/a		n/a		n/a			2.5											
8		n/a		n/a	6.5	n/a		n/a		n/a			3.5											
9		n/a	2.5	n/a		n/a	9.5		n/a		1.5		4.0											
10		n/a	0.5	n/a	1.0	n/a	0.5		n/a	15.5		0.5	5.0											
11		n/a	13.0	n/a	1.0	n/a		n/a		51.0		32.0												
12		n/a	1.5	n/a	7.0	n/a		n/a		4.5		2.0	1.5											
13		n/a	8.0	n/a		n/a		n/a			12.5													
14		n/a	11.0	n/a		n/a		n/a																
15		n/a	0.5	n/a	3.0	n/a		n/a			6.5													
16		n/a	1.5	n/a	1.5	n/a		n/a		9.0		8.5												
17		n/a	49.5	n/a	0.5	n/a	4.5		n/a		3.5													
18		n/a	2.0	n/a	0.5	n/a	22.0		n/a		1.0		38.5											
19		n/a		n/a	0.5	n/a	2.5		n/a				20.0											
20		n/a		n/a	25.5	n/a	0.5		n/a		4.5		21.5											
21		n/a		n/a	13.0	n/a	5.5	0.5	n/a	19.0														
22		n/a	1.0	n/a	7.5	n/a	45.0		n/a	21.0														
23		n/a		n/a	8.0	n/a		n/a		37.0														
24		n/a		n/a	1.0	n/a		n/a			0.5		1.0											
25		n/a		n/a		n/a	0.5		n/a	7.0		0.5												
26		n/a		n/a	1.5	n/a	8.0		n/a	4.5		1.5												
27		n/a	25.0	n/a		n/a	19.0		n/a	10.0			2.5											
28		n/a		n/a		n/a			n/a	126.5		1.0	0.5											
29		n/a		n/a		n/a			n/a	23.0		9.0	6.0											
30		n/a		n/a		n/a			n/a	0.5			21.5											
31		n/a	125.5	n/a	92.5	n/a	112.5	n/a	n/a	336.5	92.5		167.0											
total	0.0	n/a	125.5	n/a	92.5	n/a	112.5	n/a	n/a	336.5	92.5		167.0											

n/a

annual precipitation: n/a

n/a : data not available

unit: mm/day

2011

TOUBAKUSAWA

流出量は4/41に観測終了
降水量は8/1に観測終了

付表 - 6 . バケモノ沢流域の日降水量と日流出量

BAKEMONOSAWA 2011

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	0.7	n/a	0.2	n/a	0.3	n/a	0.3	n/a	0.4	n/a	12.9	n/a	0.9	n/a	0.3	n/a	n/a	n/a	7.3	n/a	0.9	n/a	0.5
2	n/a	0.7	n/a	0.1	n/a	0.3	n/a	0.3	n/a	0.5	n/a	10.1	n/a	0.8	n/a	0.2	n/a	n/a	n/a	6.6	n/a	0.8	n/a	0.4
3	n/a	0.6	n/a	0.1	n/a	0.3	n/a	0.3	n/a	0.3	n/a	8.2	n/a	0.7	n/a	0.2	n/a	n/a	n/a	5.8	n/a	0.9	n/a	0.6
4	n/a	0.6	n/a	0.1	n/a	0.3	n/a	0.3	n/a	0.3	n/a	6.8	n/a	0.6	n/a	0.2	n/a	n/a	n/a	5.3	n/a	0.8	n/a	0.5
5	n/a	0.4	n/a	0.1	n/a	0.2	n/a	0.2	n/a	0.3	n/a	5.8	n/a	0.5	n/a	0.2	n/a	n/a	n/a	34.0	n/a	1.5	n/a	0.5
6	n/a	0.4	n/a	0.1	n/a	0.2	n/a	0.2	n/a	0.2	n/a	5.1	n/a	0.4	n/a	0.2	n/a	n/a	n/a	28.9	n/a	3.5	n/a	0.4
7	n/a	0.4	n/a	0.1	n/a	0.2	n/a	0.2	n/a	0.2	n/a	4.6	n/a	0.4	n/a	0.3	n/a	n/a	n/a	23.1	n/a	1.1	n/a	0.4
8	n/a	0.3	n/a	0.1	n/a	0.2	n/a	0.2	n/a	0.2	n/a	4.2	n/a	0.4	n/a	0.4	n/a	n/a	n/a	18.7	n/a	1.0	n/a	0.3
9	n/a	0.3	n/a	0.1	n/a	0.2	n/a	0.3	n/a	0.2	n/a	3.8	n/a	0.4	n/a	0.4	n/a	n/a	n/a	15.4	n/a	1.0	n/a	0.3
10	n/a	0.3	n/a	0.1	n/a	0.3	n/a	0.3	n/a	0.3	n/a	3.4	n/a	0.4	n/a	0.4	n/a	n/a	n/a	13.2	n/a	1.0	n/a	0.3
11	n/a	0.3	n/a	0.1	n/a	0.3	n/a	0.3	n/a	0.6	n/a	3.7	n/a	0.3	n/a	0.3	n/a	n/a	n/a	11.4	n/a	1.0	n/a	0.3
12	n/a	0.3	n/a	0.1	n/a	0.3	n/a	0.3	n/a	0.7	n/a	3.1	n/a	0.3	n/a	0.3	n/a	n/a	n/a	10.0	n/a	28.0	n/a	0.4
13	n/a	0.3	n/a	0.1	n/a	0.3	n/a	0.3	n/a	0.6	n/a	3.0	n/a	0.3	n/a	0.4	n/a	n/a	n/a	8.8	n/a	0.8	n/a	0.4
14	n/a	0.3	n/a	0.1	n/a	0.3	n/a	0.3	n/a	0.6	n/a	2.7	n/a	0.3	n/a	0.3	n/a	n/a	n/a	7.8	n/a	0.7	n/a	0.4
15	n/a	0.3	n/a	0.1	n/a	0.2	n/a	0.3	n/a	0.6	n/a	2.4	n/a	0.3	n/a	0.3	n/a	n/a	n/a	7.0	n/a	0.9	n/a	0.3
16	n/a	0.3	n/a	0.1	n/a	0.2	n/a	0.3	n/a	0.6	n/a	2.1	n/a	0.3	n/a	0.3	n/a	1.5	5.4	26.5	n/a	0.7	n/a	0.4
17	n/a	0.2	n/a	0.1	n/a	0.2	n/a	0.2	n/a	0.6	n/a	2.0	n/a	0.3	n/a	0.3	11.5	5.1	15.0	2.6	n/a	0.6	n/a	0.4
18	n/a	0.1	n/a	0.5	n/a	0.2	n/a	0.2	n/a	0.5	n/a	1.9	n/a	0.3	n/a	0.3	4.5	2.0	2.2	2.2	n/a	0.7	n/a	0.3
19	n/a	0.2	n/a	0.1	n/a	0.2	n/a	0.3	n/a	0.4	n/a	1.8	n/a	0.3	n/a	0.3	6.5	4.0	1.8	1.8	n/a	0.7	n/a	0.3
20	n/a	0.2	n/a	0.1	n/a	0.2	n/a	0.2	n/a	0.4	n/a	1.6	n/a	0.3	n/a	0.3	107.0	5.8	1.7	1.7	n/a	1.0	n/a	0.3
21	n/a	0.2	n/a	0.1	n/a	0.3	n/a	0.2	n/a	0.4	n/a	1.4	n/a	0.5	n/a	0.4	157.0	32.1	3.0	3.0	n/a	0.8	n/a	0.3
22	n/a	0.2	n/a	0.1	n/a	0.2	n/a	0.2	n/a	0.4	n/a	1.3	n/a	0.3	n/a	1.0	7.5	39.0	25.0	1.9	n/a	0.8	n/a	0.3
23	n/a	0.1	n/a	0.2	n/a	0.2	n/a	0.3	n/a	0.4	n/a	1.2	n/a	0.3	n/a	1.0	8.0	25.8	1.7	1.7	n/a	0.5	n/a	0.3
24	n/a	0.1	n/a	0.2	n/a	0.2	n/a	0.2	n/a	1.1	n/a	1.1	n/a	0.3	n/a	n/a	n/a	20.3	1.7	1.7	n/a	0.8	n/a	0.2
25	n/a	0.1	n/a	0.2	n/a	0.2	n/a	0.2	n/a	0.9	n/a	1.0	n/a	0.3	n/a	n/a	16.6	1.6	1.6	1.6	n/a	0.7	n/a	0.3
26	n/a	0.2	n/a	0.2	n/a	0.2	n/a	0.2	n/a	1.0	n/a	1.0	n/a	0.3	n/a	n/a	13.7	1.5	1.5	1.5	n/a	0.7	n/a	0.3
27	n/a	0.2	n/a	0.2	n/a	0.3	n/a	0.3	n/a	1.1	n/a	0.9	n/a	0.2	n/a	n/a	11.7	1.2	1.2	1.2	n/a	0.7	n/a	0.3
28	n/a	0.1	n/a	0.2	n/a	0.3	n/a	0.4	n/a	1.1	n/a	0.8	n/a	0.2	n/a	n/a	10.2	1.1	1.1	1.1	n/a	0.7	n/a	0.3
29	n/a	0.1	n/a	n/a	n/a	n/a	n/a	0.4	n/a	5.7	n/a	0.7	n/a	0.2	n/a	n/a	8.9	1.0	1.0	1.0	n/a	0.6	n/a	0.4
30	n/a	0.2	n/a	n/a	n/a	n/a	n/a	0.4	n/a	19.1	n/a	0.7	n/a	0.2	n/a	n/a	8.1	1.0	1.0	1.0	n/a	0.6	n/a	0.4
31	n/a	0.2	n/a	n/a	n/a	0.3	n/a	0.3	n/a	17.0	n/a	0.3	n/a	0.3	n/a	n/a	8.1	0.5	0.5	0.5	n/a	0.6	n/a	0.4
total	n/a	8.9	n/a	3.9	n/a	6.3	n/a	8.1	n/a	56.7	n/a	99.3	n/a	11.6	n/a	n/a	109.5	88.7	100.0	25.1	n/a	25.1	n/a	11.1

降水量は9/15から観測開始
H-Q曲線検討中のため、流量は暫定値

付表 - 7 . 白坂流域の日降水量と日流出量

SHIRASAKA

2003

unit: mm/day

n/a : data not available

annual precipitation: 2186.5

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	0.7	2.0	1.6	67.0	7.1	1.4	4.6	11.0	3.5	39.0	4.8	5.4	3.8	2.6	1.4	0.5	5.2							
2	0.7	1.5	1.0	9.0	10.0	1.7	4.1	2.3	2.3	1.0	5.5	4.8	3.4	2.4	1.4	4.1	3.5							
3	28.5	1.2	1.4	9.0	n/a	0.5	1.5	3.7	2.0	45.0	5.8	4.2	2.0	25.5	2.3	3.5	2.0							
4	1.7	1.3	1.0	n/a	8.5	1.6	3.4	1.8	2.0	12.2	3.8	3.8	2.9	2.1	2.0	3.1	2.8							
5	1.1	1.2	1.2	2.8	31.0	3.6	3.1	1.7	1.5	6.5	6.5	3.5	2.8	2.0	1.0	1.7	2.8							
6	1.0	1.1	6.0	2.6	2.8	3.0	3.0	1.6	7.5	5.7	2.6	2.6	2.1	6.5	1.9	4.5	2.7							
7	0.9	1.1	15.0	3.2	3.2	12.0	3.1	1.5	3.5	4.9	5.0	3.1	2.5	1.9	1.6	0.5	2.5							
8	0.9	24.5	1.4	2.9	27.5	3.5	57.0	13.1	1.4	5.0	4.5	11.5	3.6	2.4	1.8	1.5	0.5	2.3						
9	0.9	3.0	2.8	2.5	3.1	6.6	6.6	1.4	5.5	4.2	119.5	30.9	2.3	1.7	1.5	2.2								
10	0.8	1.7	2.2	2.2	2.6	4.8	4.8	1.3	4.5	3.9	11.3	16.0	3.2	1.6	15.5	1.8	2.0							
11	0.8	10.0	1.7	2.0	3.5	2.4	4.0	0.5	1.4	19.5	4.2	7.5	2.5	1.6	11.5	2.5	12.5	2.1						
12	0.8	1.6	1.9	22.0	3.3	0.5	3.8	1.5	1.3	32.5	14.9	16.0	7.5	2.4	0.5	1.5	2.1	6.0	2.8					
13	0.8	1.4	1.8	3.2	3.4	8.0	1.6	34.0	9.0	6.2	2.0	2.0	2.0	2.0	2.0	2.0	2.2	2.2	2.0	2.0	2.0	2.0	2.0	
14	0.5	0.7	1.3	1.7	3.0	2.5	12.0	3.8	1.0	1.6	13.2	64.5	15.1	2.0	24.5	5.2	1.8	1.8	2.0	2.0	2.0	2.0	2.0	
15	0.7	1.3	1.7	3.0	2.5	12.0	3.8	1.0	1.6	9.3	39.5	28.2	1.8	2.0	4.9	2.0	1.7	1.9	1.9	1.9	1.9	1.9	1.9	
16	0.7	14.0	1.6	14.0	2.0	2.3	3.6	16.0	1.9	7.3	1.5	n/a	1.8	3.4	1.0	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	
17	0.7	1.4	1.5	1.9	2.2	1.4	3.2	13.0	3.0	6.1	13.5	n/a	1.6	2.8	1.5	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	
18	3.0	0.8	1.3	1.7	2.0	2.0	2.9	15.0	2.7	5.3	0.5	n/a	1.6	2.5	1.4	1.4	1.8	1.8	1.8	1.8	1.8	1.8	1.8	
19	0.5	0.7	1.3	1.6	1.0	2.0	2.8	1.0	2.6	4.8	n/a	n/a	1.5	2.3	7.0	1.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	
20	0.6	1.2	1.2	1.5	32.5	2.8	5.0	2.8	2.0	2.3	1.5	4.4	7.3	38.5	2.8	2.1	1.8	1.8	1.8	1.8	1.8	1.8	1.8	
21	0.5	0.6	1.2	1.5	1.0	4.1	2.6	0.5	1.9	30.0	5.5	0.5	6.5	15.0	4.1	7.5	2.1	10.0	3.6	7.0	1.8	1.8	1.8	
22	0.6	9.5	1.3	1.5	2.8	2.8	2.4	4.3	5.8	2.7	16.5	3.0	2.7	16.5	3.0	2.5	5.0	1.9	1.9	1.9	1.9	1.9	1.9	
23	17.0	1.0	2.0	1.3	1.4	32.5	3.5	1.6	58.5	7.4	5.3	5.3	2.2	2.3	0.5	2.2	8.5	2.0	2.0	2.0	2.0	2.0	2.0	
24	0.8	14.0	1.6	6.5	1.4	39.0	21.1	2.2	37.0	3.8	7.5	16.0	4.8	37.0	4.5	2.1	2.0	3.0	2.0	2.0	2.0	2.0	2.0	
25	0.7	1.5	27.0	3.2	24.0	10.0	2.1	50.5	16.0	8.0	4.4	62.5	17.1	1.9	31.0	3.8	0.5	2.0	2.0	2.0	2.0	2.0	2.0	
26	0.7	0.5	1.4	0.5	2.3	15.5	13.3	1.0	2.1	0.5	6.1	6.5	51.5	5.3	0.5	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	
27	69.0	7.9	1.3	3.0	2.0	8.3	1.0	2.0	4.5	4.4	5.4	8.0	9.0	5.2	1.7	2.6	0.5	1.7	1.7	1.7	1.7	1.7	1.7	
28	1.0	4.6	1.2	0.5	1.6	6.4	1.9	15.0	4.3	0.5	4.9	4.0	5.9	4.1	1.7	1.0	2.4	1.6	1.6	1.6	1.6	1.6	1.6	
29	2.5	2.0	1.6	1.6	5.7	5.3	1.8	4.0	2.0	4.6	5.1	4.5	3.4	1.6	38.0	2.9	0.5	1.6	1.6	1.6	1.6	1.6	1.6	
30	2.0	2.0	1.6	14.0	5.7	1.7	3.2	46.5	9.4	2.9	1.5	20.0	11.0	1.5	20.0	11.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	
31	3.0	1.8	1.5	37.0	2.6	6.6	4.1	4.1	4.1	4.1	4.1	4.1	2.9	1.5	2.0	1.5	2.0	1.5	2.0	1.5	2.0	1.5	2.0	
total	124.0	40.4	79.5	40.0	152.0	n/a	265.5	130.0	139.5	107.1	189.0	85.7	362.0	215.1	335.5	n/a	171.5	103.9	116.0	75.7	200.5	71.5	51.5	69.7

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 - 7 . 白坂流域の日降水量と日流出量（つづき）

SHIRASAKA 2004 unit: mm/day 2114.0 annual precipitation: 2114.0 annual runoff: 1160.5

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	1.5		0.9	1.1	0.5	1.1	1.7	1.2	1.7	2.3	2.0	3.2	2.9	5.9	2.5	1.3	2.0	1.0	5.2	10.5	7.8	2.1	2.0	
2	1.4		7.5	1.1	0.5	1.1	13.0	1.9	2.1	2.1	2.0	2.9	2.9	4.6	4.6	1.1	55.0	6.5	1.0	3.8	6.2	2.0		
3	1.4		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.6	2.6	3.9	3.9	1.0	2.5	2.5	13.5	3.6	5.3	1.9		
4	1.3		0.9	0.9	0.9	0.9	9.5	1.8	47.0	5.1	2.4	2.4	2.4	3.5	3.5	1.0	22.5	2.5	2.5	3.5	4.7	56.0	3.5	
5	1.3		0.9	0.9	0.9	0.9	1.0	1.6	1.5	4.5	2.3	16.5	16.5	3.8	1.5	1.0	75.5	3.7	50.0	9.4	4.2	68.0	28.5	
6	1.2		1.5	0.9	2.5	0.9	1.4	0.9	1.4	3.2	3.2	24.5	2.7	3.2	3.2	1.0	0.5	2.8	7.1	3.8	3.8	7.5		
7	1.2		2.5	0.9	0.9	0.9	1.3	0.9	1.3	2.6	17.0	4.7	4.7	2.8	22.0	1.6	4.5	2.3	4.8	4.8	3.5	0.5	5.5	
8	1.2		0.9	0.9	0.9	0.9	1.5	1.3	2.4	2.4	3.0	3.4	3.4	2.6	2.6	1.4	4.5	2.2	65.0	7.4	3.3	4.6		
9	1.2		0.9	0.9	0.9	0.9	1.2	1.3	13.0	2.6	2.4	2.4	2.9	2.4	2.4	1.1	1.1	1.8	103.5	61.7	3.1	4.1		
10	1.2		0.9	0.8	1.2	0.8	1.1	0.8	1.1	46.5	7.4	2.6	40.5	5.2	5.2	1.0	1.0	1.6	6.0	21.3	3.0	3.7		
11	1.1		0.5	0.8	0.8	0.8	1.1	0.8	1.1	0.5	6.6	26.5	3.5	3.8	3.8	0.9	0.9	1.4	11.6	27.0	3.8	3.4		
12	1.1		0.8	0.8	0.8	0.8	1.0	0.8	1.0	4.3	3.5	3.5	3.5	3.1	3.1	0.8	0.8	1.3	0.5	8.3	21.5	6.0	3.0	
13	0.5		1.0	0.8	1.0	0.8	1.0	41.0	6.9	2.8	2.8	2.8	2.8	2.7	2.7	0.8	0.8	1.2	6.6	4.3	2.0	3.3		
14	0.5		1.1	4.0	0.9	0.8	7.0	1.1	6.5	8.9	2.5	2.5	2.5	2.4	2.4	0.7	1.1	1.1	5.5	5.5	3.7	3.0		
15	1.1		5.0	1.0	1.0	0.7	1.0	3.5	5.6	2.2	2.2	2.2	2.2	2.2	2.2	9.5	1.1	1.1	4.7	24.0	5.3	2.9		
16	1.1		0.9	0.9	0.9	0.7	0.9	50.5	13.4	2.0	2.0	2.0	2.0	2.0	2.0	0.9	0.9	1.0	4.2	4.4	4.4	2.8		
17	1.0		0.8	0.8	14.0	0.7	0.9	0.9	0.5	9.7	1.9	1.9	1.9	1.8	1.8	56.0	3.2	3.2	3.8	3.8	3.8	2.5		
18	8.0		1.1	0.8	1.1	1.1	0.9	0.9	7.0	7.0	1.8	7.0	1.8	7.0	2.0	5.1	1.0	1.0	3.5	13.0	3.9	0.5	2.4	
19	16.5		1.7	0.8	0.8	48.0	1.8	17.5	6.5	14.5	1.7	1.8	1.7	1.8	1.8	1.9	3.0	1.0	38.0	5.0	2.5	4.0	2.4	
20	1.3		0.8	0.8	0.8	1.0	3.5	33.0	7.5	3.5	2.5	2.5	2.5	1.6	1.6	1.4	1.4	0.9	109.0	28.8	3.5	2.4		
21	1.2		0.8	0.8	0.5	0.8	1.8	21.0	18.9	73.0	10.4	10.4	10.4	1.5	1.5	1.2	10.5	1.0	0.5	18.4	3.2	2.3		
22	1.1		25.0	1.1	17.5	1.2	1.5	1.5	9.0	9.0	6.4	6.4	6.4	1.5	2.0	1.1	1.0	1.3	9.7	9.7	3.0	2.2		
23	1.0		1.0	1.8	1.0	1.0	1.3	1.0	2.0	7.3	4.4	4.4	4.4	1.4	15.0	1.3	3.0	1.0	7.3	7.3	2.9	2.1		
24	1.0		1.1	0.5	0.9	1.1	1.2	1.2	6.1	6.1	0.5	3.6	3.6	1.4	5.5	1.5	21.0	1.7	6.1	6.1	2.7	2.0		
25	1.0		1.0	0.5	0.8	1.1	1.1	0.8	5.2	38.5	5.7	1.5	1.3	1.3	1.3	1.2	6.5	1.4	5.4	5.4	2.6	1.9		
26	1.0		0.9	2.5	0.9	2.0	1.1	0.9	4.6	0.5	5.9	5.9	5.9	1.3	1.3	1.1	14.5	1.8	10.5	4.6	0.5	2.5	1.0	
27	1.0		0.9	0.5	0.8	79.5	10.7	4.1	4.1	4.1	4.4	4.4	4.4	1.2	1.2	1.0	50.5	7.9	5.3	5.3	2.4	1.8		
28	1.0		0.9	0.9	0.7	5.3	5.3	3.7	3.7	3.7	1.0	3.7	3.7	1.1	1.1	0.9	1.5	4.1	4.1	4.1	2.3	1.7		
29	1.0		21.5	1.7	0.7	3.3	3.3	3.3	3.3	3.5	45.0	4.6	4.6	1.1	10.5	1.0	67.0	9.5	3.8	3.8	2.2	4.5	1.8	
30	1.0				47.5	2.1	2.7	2.7	3.3	10.0	9.5	9.5	9.5	1.1	6.5	1.2	4.5	12.0	50.0	5.4	5.4	2.1	1.7	
31	0.9				0.5	3.0	3.0	3.0	8.5	3.6	10.5	10.5	10.5	1.3	12.5	1.8	1.8	11.0	12.5	12.5	11.5	2.0		
total	26.5	35.9	69.5	27.9	87.5	30.4	162.5	58.1	293.5	179.8	259.5	112.7	76.0	75.5	143.5	41.6	288.5	79.6	461.0	292.4	99.0	113.5	147.0	113.1

付表 - 7 . 白城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	1.0	1.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.3	1.3	2.2	18.0	0.8	22.5	2.7	0.5	0.9	1.2	1.0	0.9	0.9	0.9	1.7		
2	1.7	1.7	1.0	0.9	1.5	2.1	0.5	1.3	9.5	1.0	2.7	0.8	22.5	2.2	0.5	0.9	1.2	1.0	1.0	1.0	0.9	0.9	0.8	0.6		
3	1.6	1.5	1.0	0.9	1.5	2.0	1.1	1.1	9.5	1.0	2.7	0.8	31.0	2.5	0.8	0.8	1.0	1.0	1.0	1.0	0.9	0.8	0.8	0.6		
4	1.6	6.5	1.0	7.5	1.1	1.0	1.8	1.0	2.5	0.8	75.5	19.0	0.7	31.5	2.3	14.0	1.1	1.1	1.1	1.1	1.1	0.8	3.5	0.7		
5	1.5	6.5	1.0	1.0	1.7	1.0	1.7	1.0	1.0	0.8	3.0	11.4	21.5	1.0	68.5	13.1	11.5	1.4	1.4	1.4	1.4	0.8	n/a	0.7		
6	2.5	1.5	1.5	1.0	0.9	1.6	30.5	1.9	1.5	0.7	5.5	29.0	3.5	2.0	6.0	1.5	1.2	n/a	1.9	1.9	1.9	1.9	0.8	0.8		
7	0.5	1.5	1.0	0.9	3.5	1.6	22.0	3.8	0.7	0.7	3.6	2.1	34.0	8.3	3.5	1.1	1.1	2.4	2.4	2.4	2.4	n/a	0.8	0.8		
8	1.4	9.5	1.4	0.9	1.5	1.5	2.6	0.7	2.8	1.3	5.0	12.0	1.3	n/a	1.4	1.4	1.4	1.4	1.4	1.4	1.4	n/a	0.7	0.7		
9	1.4	1.2	1.2	0.9	1.4	0.5	1.9	1.9	3.0	1.1	3.6	0.5	1.3	n/a	1.2	1.2	1.2	1.2	1.2	1.2	1.2	n/a	0.7	0.7		
10	1.3	9.0	1.5	2.0	0.9	1.4	1.5	1.5	2.6	1.0	2.7	6.5	1.2	n/a	1.1	1.1	1.1	1.1	1.1	1.1	1.1	n/a	0.7	0.7		
11	1.3	1.2	29.0	1.8	5.0	1.5	1.3	8.5	0.8	0.8	2.2	0.5	0.9	2.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	n/a	0.6		
12	1.2	1.1	1.0	1.4	14.0	1.8	24.0	2.0	0.8	0.8	9.5	2.4	38.0	3.6	2.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	n/a	0.6		
13	1.2	1.2	1.0	1.2	4.0	1.8	1.8	0.7	2.0	3.5	2.2	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.9	0.6	0.6		
14	1.2	1.2	1.0	1.1	1.5	1.5	1.4	1.4	0.7	1.4	0.7	1.5	1.9	1.6	26.0	2.9	0.9	0.9	0.9	0.9	0.9	0.9	n/a	0.6	0.6	
15	13.0	1.4	1.0	1.0	1.0	1.4	1.3	8.5	0.8	1.3	8.5	0.8	1.6	0.5	1.3	2.4	26.0	1.5	1.5	1.5	1.5	0.8	n/a	0.7	0.7	
16	0.5	1.5	10.5	1.2	1.0	1.3	1.2	11.0	1.1	1.5	2.0	1.2	2.0	2.0	2.0	2.1	2.0	1.8	1.8	1.8	1.8	0.8	n/a	0.7	0.7	
17	1.3	1.3	1.0	1.2	1.1	1.2	1.1	1.1	0.8	1.1	1.1	1.4	1.4	1.4	1.4	1.8	21.5	2.3	2.3	2.3	2.3	0.7	n/a	0.7	0.7	
18	1.2	14.0	1.2	0.5	1.2	1.2	6.0	1.2	0.7	1.2	0.7	2.5	1.3	4.0	1.1	1.6	7.0	2.8	2.8	2.8	2.8	0.7	n/a	0.7	0.7	
19	1.2	14.0	1.9	1.2	1.1	1.1	7.0	1.2	0.7	1.2	3.0	1.0	1.5	2.0	1.5	2.0	2.0	2.0	2.0	2.0	2.0	0.7	n/a	0.7	0.7	
20	1.2	1.2	1.6	0.5	1.2	18.0	1.6	1.1	0.6	1.1	1.1	2.5	0.9	1.4	1.4	1.4	1.6	1.6	1.6	1.6	1.6	0.7	n/a	0.7	0.7	
21	0.5	1.1	1.4	0.5	1.1	1.5	1.5	1.0	0.6	1.0	1.1	29.5	2.2	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.4	0.7	n/a	0.7	0.7	
22	1.1	1.3	57.0	3.7	1.3	16.0	1.3	13.5	1.0	1.3	13.5	1.0	1.0	2.0	2.0	1.3	1.3	1.3	1.3	1.3	1.3	0.7	n/a	0.7	0.7	
23	1.1	1.2	14.0	7.0	1.2	5.0	1.3	10.0	1.0	1.0	1.1	16.5	3.2	1.2	1.2	1.2	1.5	1.2	1.2	1.2	1.2	0.7	n/a	0.7	0.7	
24	1.1	3.0	1.2	1.5	4.2	1.1	1.1	1.1	0.8	0.8	8.0	1.3	2.5	2.3	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.7	n/a	0.7	0.7	
25	1.1	1.1	1.2	1.0	3.0	1.1	1.1	1.0	0.7	1.0	1.1	2.0	1.1	1.8	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.7	n/a	0.7	0.7	
26	1.0	1.0	1.1	0.5	2.6	4.0	1.1	1.0	0.6	1.0	1.3	1.5	1.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	n/a	0.7	0.7	
27	1.0	1.0	1.0	0.5	2.3	1.0	1.0	0.9	0.6	1.1	1.1	1.3	1.0	1.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.7	n/a	0.6	0.6	
28	1.0	1.0	1.0	30.0	3.4	1.0	1.0	0.9	0.6	0.9	0.9	1.1	1.5	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.7	n/a	0.6	0.6	
29	1.5	1.0	1.0	0.5	3.5	1.0	1.0	0.9	13.5	0.9	11.0	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	0.7	n/a	0.6	0.6
30	1.5	1.0	1.0	0.5	2.7	1.0	0.5	0.9	41.0	5.0	1.0	30.0	1.6	1.6	0.9	0.9	1.0	1.0	1.0	1.0	1.0	0.7	n/a	0.6	0.6	
31	1.0	1.0	1.0	2.4	2.4	1.0	0.8	0.8	2.5	0.9	1.4	1.4	1.4	1.4	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.7	n/a	0.6	0.6	
total	21.0	39.5	77.0	32.7	158.5	57.6	54.0	43.0	125.0	42.1	118.0	27.2	195.0	83.9	184.5	47.5	166.5	75.1	124.5	39.5	27.4	27.4	n/a	20.8	20.8	

536.3

annual runoff:

n/a

annual precipitation:

n/a : data not available

unit: mm/day

2005

SHIRASAKA

付表 - 7 . 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	n/a	0.6	30.0	1.7	28.0	3.0	1.3	1.4	1.4	2.4	32.5	6.3	1.0	4.0	38.5	3.6	8.0	1.4	1.4	0.8	0.5	0.7	0.7	
2	4.0	0.8	1.4	1.4	1.0	2.6	28.0	2.6	4.5	1.4	2.4	11.0	4.8	3.8	1.9	12.5	1.8	1.9	12.5	1.8	0.8	0.8	0.7	
3	2.0	0.8	1.1	2.6	1.1	2.5	2.5	1.3	1.3	2.3	0.5	4.2	3.5	3.5	1.6	1.6	1.5	1.5	1.5	1.5	0.8	0.8	0.7	
4	0.5	0.7	0.9	2.2	2.5	2.0	2.2	2.2	2.2	2.2	2.0	3.7	3.2	3.2	1.4	2.0	1.4	1.4	2.0	1.4	0.7	0.7	0.7	
5	0.7	1.5	0.9	1.5	12.0	2.4	2.4	1.2	1.2	2.1	17.0	4.1	3.0	3.0	1.3	6.0	1.4	1.4	6.0	1.4	0.7	0.7	0.7	
6	0.6	0.6	0.9	15.5	2.4	2.1	0.5	1.2	0.5	2.0	0.5	4.8	2.8	14.0	1.5	23.5	2.6	2.6	23.5	2.6	5.5	0.9	0.7	
7	0.6	7.0	1.0	2.0	1.0	2.0	1.9	147.5	33.6	1.9	147.5	3.8	3.8	2.6	15.0	2.2	1.8	15.0	2.2	1.8	1.5	0.8	1.0	
8	0.6	0.6	0.5	0.9	1.8	1.8	1.5	1.8	3.0	14.5	6.0	1.9	3.4	2.5	1.7	3.4	1.6	1.7	3.4	1.6	0.7	2.5	0.7	
9	0.6	0.6	0.8	0.8	1.7	1.7	2.5	7.3	11.5	2.4	7.5	3.5	15.0	2.7	1.5	1.5	1.5	1.5	1.5	1.5	0.7	11.5	0.8	
10	0.6	0.6	1.0	5.5	1.7	6.0	1.7	16.0	5.7	1.9	3.1	3.1	2.5	5.0	1.5	1.3	1.3	5.0	1.5	1.3	0.7	0.7	0.8	
11	3.0	0.6	1.0	0.8	1.6	43.0	3.9	23.0	11.6	2.0	1.9	2.5	3.0	2.2	1.5	1.3	13.5	1.5	1.3	13.5	1.6	0.9	0.9	
12	0.6	0.6	0.8	0.8	4.5	1.6	0.5	4.1	6.9	1.7	3.0	2.9	49.5	7.0	2.0	1.3	1.4	2.0	1.3	1.4	0.7	1.0	0.7	
13	5.0	0.6	0.7	1.4	1.4	3.1	17.0	6.4	6.4	1.6	11.0	3.1	4.2	44.0	2.9	1.2	1.2	44.0	2.9	1.2	0.7	9.5	0.8	
14	37.0	2.9	1.5	0.7	1.3	2.7	1.3	5.7	5.7	1.5	0.5	2.8	2.9	22.0	6.4	1.2	1.2	22.0	6.4	1.2	2.0	0.7	5.0	
15	2.3	1.5	0.8	1.2	3.0	2.5	2.5	4.8	69.5	2.7	1.0	2.5	2.5	0.5	3.3	1.1	1.1	0.5	3.3	1.1	0.7	2.5	0.9	
16	0.5	1.5	7.5	1.0	41.5	2.6	2.5	2.4	2.0	4.3	89.0	4.5	4.5	2.3	0.5	2.5	1.0	2.3	0.5	2.5	0.6	0.6	0.8	
17	0.5	1.2	0.9	3.3	0.5	3.3	2.2	15.5	4.4	30.0	10.2	34.0	6.5	20.0	2.4	0.5	2.2	20.0	2.4	0.5	2.2	1.0	0.6	
18	1.1	1.1	0.8	6.0	6.0	2.4	2.0	4.5	4.6	11.5	11.5	60.0	16.1	0.5	2.8	33.0	4.7	2.8	33.0	4.7	1.0	0.6	0.7	
19	1.0	0.8	0.8	4.5	4.5	2.5	1.9	7.0	4.3	7.6	50.5	35.8	2.2	2.2	3.0	3.0	3.0	2.2	3.0	3.0	1.0	11.5	0.7	
20	0.9	21.5	1.3	2.1	28.0	3.4	8.0	4.8	4.8	5.6	21.5	16.0	2.0	2.0	2.4	2.4	2.4	2.0	2.4	2.4	1.0	20.0	1.8	
21	1.0	0.9	1.2	1.2	3.5	2.6	1.8	4.0	4.0	4.6	31.0	19.8	2.0	1.9	2.1	2.1	2.1	1.9	2.1	2.1	1.0	1.0	0.6	
22	0.9	0.5	1.0	8.0	1.9	2.3	3.6	22.5	5.1	3.6	22.5	5.1	13.8	4.5	1.8	1.9	3.5	4.5	1.8	1.9	0.9	0.9	0.6	
23	0.7	0.5	0.9	5.0	2.1	0.5	2.1	30.0	5.6	0.5	4.7	11.5	10.7	1.8	1.8	1.7	8.5	1.8	1.7	8.5	1.0	0.8	0.6	
24	0.7	0.7	0.8	1.7	1.7	2.0	2.0	5.8	5.8	3.9	12.0	10.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.5	0.7	0.6	
25	0.7	0.7	0.8	1.6	1.6	1.6	1.6	4.3	4.3	3.6	2.0	8.6	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.7	0.7	0.6	
26	0.7	58.0	6.0	1.5	1.5	1.7	1.0	3.8	27.0	5.7	7.5	7.2	1.5	7.5	1.5	1.5	7.5	1.5	1.5	1.5	5.5	0.7	81.5	
27	0.7	0.7	4.2	1.5	1.5	1.6	1.6	3.5	3.5	6.4	6.4	6.4	1.4	5.0	1.6	1.6	1.6	1.4	5.0	1.6	1.0	6.5	1.0	
28	0.7	1.0	2.4	14.5	1.7	1.5	1.5	1.0	3.3	3.8	3.8	3.8	5.6	4.0	1.5	1.5	1.3	4.0	1.5	1.5	0.9	0.5	2.7	
29	0.6	0.6	1.6	1.6	1.6	1.5	1.5	3.0	3.0	3.3	0.5	3.3	0.5	1.4	1.3	1.3	1.3	0.5	1.4	1.3	0.9	0.8	2.3	
30	1.5	0.7	1.6	1.6	5.5	1.6	1.4	2.8	0.5	3.2	0.5	4.6	1.3	1.3	1.3	1.3	1.3	0.5	4.6	1.3	0.9	0.7	2.0	
31	2.5	0.7	1.4	1.4	2.6	2.6	4.3	4.3	4.3	4.3	4.3	4.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.8	0.8	1.7	
total	n/a	27.3	132.0	36.3	140.0	61.3	131.0	66.7	283.0	168.9	270.5	153.5	354.5	231.6	97.0	78.0	189.0	64.0	94.5	39.0	63.0	23.7	118.0	38.5

annual precipitation: n/a

annual runoff: 988.8

n/a : data not available

unit: mm/day

2006

SHIRASAKA

付表 - 7 . 白坂流域の日降水量と日流出量 (つづき)

SHIRASAKA

2007

unit: mm/day

annual precipitation: 1716.5

annual runoff: 764.1

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	1.5	0.7	0.7	0.8	4.0	2.6	19.0	1.2	1.0	1.4	3.7	5.8	6.0	2.3	1.6	0.8	0.8							
2	1.4	0.7	0.7	0.7	1.0	1.8	3.5	1.1	1.0	12.0	1.9	3.6	2.0	2.1	1.5	0.7	0.7							
3	1.3	0.7	0.7	0.7	1.6	1.6	1.0	1.0	0.9	4.0	1.6	4.5	0.5	1.9	1.4	8.5	0.9							
4	1.1	0.7	0.7	0.7	2.0	1.5	0.9	0.9	0.9	4.0	1.5	1.5	3.0	1.7	1.3	0.5	0.8							
5	1.0	0.9	1.5	0.7	1.4	1.4	0.9	0.8	0.5	1.4	2.7	21.5	2.9	1.5	7.0	1.3	0.8							
6	27.5	1.8	0.7	1.1	14	42.0	3.0	0.8	0.5	1.3	2.5	1.5	2.9	1.5	2.0	1.5	0.7							
7	1.6	0.6	0.6	1.0	8.5	1.5	1.0	2.1	0.8	1.2	2.3	3.5	2.3	1.5	1.3	0.7	0.7							
8	5.0	1.5	0.6	0.9	1.4	1.4	1.6	1.6	1.2	1.2	2.2	2.0	12.0	1.9	1.2	0.7	0.7							
9	0.5	1.4	3.5	0.7	0.9	1.3	0.9	1.5	2.1	1.1	2.1	1.8	6.5	1.7	1.2	0.7	0.7							
10	1.3	1.0	0.6	1.5	0.8	1.2	14.5	1.7	17.5	2.7	47.0	2.7	1.9	17.0	2.2	1.2	0.7							
11	1.2	0.6	0.6	24.5	1.9	1.1	1.4	1.4	1.8	2.5	3.5	4.0	1.4	13.0	1.5	2.0	0.7							
12	1.2	0.6	1.0	1.2	1.1	1.1	1.1	1.4	64.5	16.0	1.7	49.0	24.2	1.4	0.5	1.2	2.0	0.7						
13	1.1	0.6	1.1	6.5	1.1	1.1	1.1	1.2	12.0	9.3	1.6	2.0	6.8	1.3	1.1	10.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
14	1.1	20.5	1.0	1.0	0.5	1.2	1.0	11.0	1.3	107.0	34.5	1.6	7.5	4.8	1.1	0.8	0.8							
15	1.0	0.5	0.9	1.0	1.1	1.1	0.9	1.0	1.2	34.5	37.4	1.5	3.8	1.2	1.1	1.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	
16	1.5	1.0	0.8	0.9	4.5	1.0	1.0	0.9	1.1	1.0	13.7	1.4	20.0	4.5	1.2	1.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	
17	4.0	1.1	15.0	0.9	0.9	0.5	1.0	23.5	1.7	1.0	31.5	13.1	1.3	0.5	3.8	1.1	1.0	0.7	0.7	0.7	0.7	0.7	0.7	
18	1.0	23.5	2.8	0.9	7.5	1.0	0.5	1.2	11.5	1.2	8.9	1.3	3.2	1.1	0.9	0.9	0.7	0.7	0.7	0.7	0.7	0.7	0.7	
19	0.9	1.5	1.2	0.8	1.0	1.1	1.5	1.1	0.5	1.0	2.5	7.2	30.5	2.4	2.9	35.5	2.2	0.9	0.7	0.7	0.7	0.7	0.7	
20	0.9	1.2	0.8	0.8	1.0	1.0	1.0	1.0	0.9	6.5	6.1	0.5	1.8	2.6	1.9	0.9	0.7	0.7	0.7	0.7	0.7	0.7	0.7	
21	1.5	0.9	1.1	0.8	1.0	0.9	0.9	0.9	29.0	11.0	0.5	1.5	2.4	1.4	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	
22	0.9	1.0	1.0	0.8	16.0	1.0	0.9	0.9	25.5	1.7	0.5	7.7	7.0	1.3	0.8	30.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
23	0.8	6.5	1.1	0.8	2.5	1.5	0.8	0.8	1.5	6.1	31.5	3.4	2.1	1.2	0.8	12.5	2.3	2.3	2.3	2.3	2.3	2.3	2.3	
24	0.8	0.9	53.0	2.1	0.5	1.1	0.8	46.5	3.4	5.2	2.0	1.5	2.0	1.2	0.8	0.5	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
25	0.8	0.9	28.5	10.7	0.5	1.0	54.5	3.2	6.0	5.8	4.6	1.6	1.5	1.9	1.1	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
26	1.5	0.8	0.8	3.8	0.9	0.9	3.0	3.0	3.0	4.2	1.5	1.5	1.7	34.5	2.6	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
27	0.8	10.0	0.9	2.6	0.9	0.9	1.7	1.7	2.3	3.8	1.5	1.5	1.7	27.5	3.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	
28	0.8	0.5	1.0	2.1	0.9	1.4	1.9	1.9	3.4	1.4	1.6	1.6	3.0	1.4	0.8	23.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
29	0.7	0.8	1.8	0.8	1.8	0.8	1.3	8.5	1.9	3.1	4.0	1.3	15.0	2.0	0.8	8.5	2.3	2.3	2.3	2.3	2.3	2.3	2.3	
30	0.7	1.9	6.0	1.9	0.8	5.5	1.3	1.6	47.0	8.9	43.5	4.4	14.5	2.4	1.6	5.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	
31	0.7	15.0	1.7	1.1	1.1	4.6	4.6	60.0	14.9	4.6	60.0	14.9	53.1	26.5	32.2	104.5	29.3	29.3	29.3	29.3	29.3	29.3	29.3	
total	42.5	33.1	82.0	25.3	153.0	48.7	55.5	36.3	166.5	42.8	175.0	48.2	406.0	227.6	183.5	78.3	193.5	109.2	128.0	53.1	26.5	32.2	104.5	29.3

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 - 7 . 白城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	0.7	0.7	0.8	1.3	0.5	2.9	4.0	2.0	6.4	1.0	1.2	4.6	5.5	2.5	1.0	2.5	1.0	1.0	1.0	1.0	1.0	0.9	
2	1.0	1.1	0.5	0.8	1.2	1.2	2.7	3.8	3.8	5.1	5.1	1.1	3.0	3.7	2.1	1.1	3.0	3.7	2.1	1.0	1.0	1.0	0.8	
3	0.5	1.1	1.5	1.0	0.5	1.1	2.5	29.5	7.5	2.0	4.6	1.1	3.0	3.2	1.8	1.1	3.0	3.2	1.8	1.0	1.0	1.0	0.8	
4	0.5	1.0	0.9	0.7	1.1	1.1	2.3	5.5	1.0	4.1	4.1	1.0	1.5	2.7	1.7	1.0	1.5	2.7	1.7	0.9	0.9	0.9	0.8	
5	1.0	0.5	0.8	0.7	1.0	1.6	2.7	15.0	5.1	3.7	3.7	1.0	3.7	2.4	8.5	1.7	2.4	8.5	1.7	0.5	0.9	63.0	9.0	
6	0.9	0.9	0.8	0.7	1.0	1.0	2.4	0.5	4.9	3.0	3.5	7.0	1.1	2.2	4.5	1.9	2.2	4.5	1.9	0.5	0.5	0.9	3.5	
7	1.0	0.9	0.7	0.5	0.7	49.0	1.7	2.1	4.2	4.2	3.2	1.0	2.0	2.0	0.5	1.6	2.0	0.5	1.6	1.0	1.0	2.1	2.1	
8	0.9	0.9	0.7	0.7	37.0	14.0	2.0	3.5	3.9	11.0	3.2	17.0	1.3	1.7	3.5	1.6	1.7	3.5	1.6	1.0	0.9	1.7	1.7	
9	0.9	0.5	0.8	0.7	0.5	4.6	1.8	9.5	3.8	0.5	3.0	3.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.8	0.8	6.0	1.6	
10	0.8	12.5	0.9	0.9	9.5	30.0	3.0	3.4	3.4	2.8	2.8	1.0	3.4	1.4	1.4	1.4	1.4	1.4	1.4	0.8	0.8	1.4	1.4	
11	9.0	0.9	5.0	0.9	0.7	2.0	6.2	4.0	2.8	3.1	2.6	2.6	0.9	1.3	2.5	1.4	1.3	2.5	1.4	0.8	0.8	1.3	1.3	
12	8.0	1.2	9.0	1.1	0.7	4.2	2.3	11.0	3.4	2.4	2.4	0.9	2.4	1.2	1.2	1.2	1.2	1.2	1.2	0.7	0.7	1.2	1.2	
13	0.9	0.8	1.0	0.7	5.5	3.5	2.1	2.9	0.5	2.3	2.3	0.8	2.3	1.2	1.2	1.2	1.2	1.2	1.2	0.7	0.7	1.1	1.1	
14	0.8	0.9	0.9	1.3	17.5	4.0	34.5	5.1	2.6	2.1	3.5	1.0	2.6	2.0	2.0	1.9	1.2	2.0	1.9	0.7	0.7	4.5	1.2	
15	0.8	0.9	0.9	1.1	3.1	3.1	3.1	2.5	2.5	2.0	2.0	0.9	6.0	1.2	0.5	1.6	1.2	0.5	1.6	0.7	0.7	1.0	1.0	
16	0.8	0.8	0.8	0.9	2.7	2.7	2.5	2.4	2.4	1.9	1.9	0.8	7.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4	11.0	0.9	1.0	
17	0.8	0.8	0.8	0.8	22.5	3.1	2.3	2.2	2.2	1.8	1.8	0.8	1.2	1.2	1.3	1.3	1.2	1.2	1.3	0.8	0.8	2.0	1.0	
18	0.8	0.8	0.8	0.8	20.5	5.8	2.1	2.2	4.5	1.9	1.9	0.7	11.0	1.4	1.2	1.2	1.2	1.2	1.2	0.7	0.7	1.0	1.0	
19	0.7	0.7	0.8	14.5	1.0	4.1	24.5	2.5	2.1	1.7	1.7	26.5	1.8	2.2	1.1	1.1	2.2	1.1	1.1	0.7	0.7	0.9	0.9	
20	0.7	0.7	0.7	29.0	3.0	0.5	34	45.0	11.0	32.5	2.8	1.6	2.0	1.2	0.5	2.1	1.2	0.5	2.1	0.7	0.7	0.9	0.9	
21	1.5	0.7	0.7	1.9	3.0	3.0	4.8	15.5	5.4	1.5	1.5	0.9	32.0	5.1	1.0	1.0	3.2	5.1	1.0	1.5	0.7	0.5	0.9	
22	0.5	0.7	0.7	1.4	1.4	1.4	3.7	39.5	8.8	1.5	1.5	0.8	2.0	5.2	1.0	1.0	2.0	5.2	1.0	0.7	0.5	0.9	0.9	
23	11.0	1.0	0.7	3.0	1.5	2.5	3.1	7.5	9.5	1.4	1.4	9.0	1.0	2.7	4.0	1.0	2.7	4.0	1.0	0.6	0.6	0.9	0.9	
24	0.8	0.8	0.7	25.0	2.5	62.5	9.2	26.0	3.5	1.0	5.7	1.4	53.0	6.7	2.1	37.0	2.1	37.0	2.7	11.5	0.7	0.7	0.8	
25	0.7	0.7	0.7	1.9	0.5	6.4	19.0	6.8	4.5	4.5	1.3	9.5	2.6	1.8	1.7	1.7	1.8	1.7	1.7	0.8	0.8	1.0	0.8	
26	0.7	25.5	1.1	1.5	15.5	5.6	4.5	3.8	3.8	1.2	1.2	1.7	9.0	2.0	3.5	1.4	2.0	3.5	1.4	0.7	0.7	0.8	0.8	
27	0.7	0.7	1.4	1.4	4.6	4.6	3.6	3.0	3.6	1.2	1.2	1.4	1.4	1.6	0.5	1.3	1.6	0.5	1.3	5.5	0.7	0.7	0.8	
28	0.5	0.7	0.9	1.3	3.9	1.5	3.1	1.0	3.2	27.0	2.4	21.0	2.0	1.5	1.5	1.5	1.5	1.5	1.5	1.2	21.0	1.9	0.7	
29	4.5	0.8	0.9	1.2	3.5	46.0	8.4	76.5	12.4	1.6	1.6	98.0	27.8	24.5	2.2	2.2	24.5	2.2	2.2	1.1	0.5	1.1	0.7	
30	0.7	0.7	9.0	1.2	3.2	3.2	5.2	2.0	9.5	1.3	35.5	12.2	8.5	2.7	1.1	1.1	8.5	2.7	1.1	0.9	0.9	0.7	0.7	
31	0.7	0.7	12.5	1.8	6.0	4.5	4.5	1.2	1.2	1.2	1.2	7.7	7.7	1.0	1.0	1.0	7.7	1.0	1.0	25.4	58.5	77.5	41.9	
total	37.5	26.4	69.0	24.5	127.5	35.9	265.0	117.0	253.5	111.4	263.5	138.7	51.5	75.9	283.0	85.9	138.5	66.8	90.5	45.7	58.5	25.4	77.5	41.9

SHIRASAKA 2008 unit: mm/day annual precipitation: 1715.5 annual runoff: 795.5

付表 - 7 . 白城流域の日降水量と日流出量 (つづき)

SHIRASAKA

2009

unit: mm/day

annual precipitation: 1910.5

annual runoff:

916.2

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	1.8	0.5	1.5	1.6	1.7	1.9	29.0	4.5	68.0	14.3	1.4	1.0	16.5	1.1	0.5	1.2	1.2						
2	0.7	1.4	1.3	1.5	1.6	1.6	1.7	5.5	7.4	21.0	14.5	1.4	32.0	2.7	1.0	1.0	1.2							
3	0.7	1.2	11.5	1.4	1.5	1.6	1.6	10.0	4.9	21.5	14.2	2.5	0.5	2.0	0.8	2.0	1.2							
4	0.7	1.1	1.3	1.3	10.0	1.7	1.5	1.6	4.1	10.1	0.5	1.4	1.2	0.7	0.5	1.1	1.1							
5	0.6	1.0	0.5	1.2	0.5	1.6	28.0	2.3	22.0	2.4	7.8	1.3	4.5	1.0	0.7	13.0	1.4							
6	0.5	0.7	0.9	36.0	3.5	1.4	32.5	5.0	0.5	1.9	6.7	1.2	8.5	1.3	0.5	0.7	1.3							
7	0.6	0.9	0.9	1.9	1.4	79.0	18.8	1.6	6.0	4.4	6.0	1.2	60.5	4.2	0.7	0.7	1.1							
8	0.6	0.9	0.9	1.9	1.3	2.5	16.6	1.5	11.0	4.4	5.2	1.1	40.0	17.9	0.7	0.7	1.1							
9	0.8	0.9	1.7	1.3	1.3	7.3	7.3	1.5	0.5	3.9	4.7	1.0	4.6	0.7	0.7	1.0	1.0							
10	2.0	0.8	1.0	0.8	1.2	5.3	33.0	2.1	0.5	3.5	42.5	9.5	1.0	2.8	16.0	0.8	1.0							
11	0.7	4.5	0.8	1.5	1.2	4.3	31.5	9.6	3.1	0.5	5.8	0.9	2.1	71.5	11.5	34.0	2.6							
12	0.6	0.5	0.8	1.5	1.2	1.5	3.7	3.6	2.8	4.8	41.5	2.8	1.8	3.4	2.0	2.0	2.0							
13	0.6	3.5	0.8	32.5	2.1	1.1	5.0	3.5	2.7	7.0	2.8	0.5	4.3	1.9	1.6	2.3	1.6							
14	0.6	15.5	1.7	44.0	13.0	62.5	4.4	2.9	2.5	2.5	4.1	1.3	1.4	28.0	4.9	1.4	1.4							
15	0.6	1.0	5.3	1.0	4.5	2.7	2.7	2.0	2.2	3.7	2.0	1.3	1.3	2.9	2.9	1.3	1.3							
16	0.6	0.9	3.6	2.9	2.4	18.5	2.9	1.9	2.0	2.0	3.5	1.2	1.2	2.2	2.2	1.2	1.2							
17	0.6	0.9	2.9	7.0	2.3	46.5	8.0	1.7	71.0	6.0	3.2	1.1	1.5	1.2	13.5	2.3	1.2	1.2						
18	11.0	0.7	0.8	2.5	1.9	6.3	6.3	1.6	1.0	7.2	3.1	1.1	1.1	1.1	2.0	2.0	1.1	1.1						
19	5.5	1.0	1.5	0.8	2.3	1.7	4.3	1.5	2.0	4.1	2.9	1.0	1.0	1.0	1.7	4.5	1.1	1.1						
20	0.7	21.0	1.6	13.5	2.8	3.6	1.0	1.5	0.5	3.4	2.7	0.9	1.0	1.6	1.6	1.0	1.0	1.0						
21	7.5	0.8	1.2	2.2	2.2	25.0	2.3	3.2	18.0	2.3	2.5	2.7	0.9	1.5	1.5	1.0	1.0	1.0						
22	6.0	0.9	2.0	1.1	40.5	4.4	0.5	2.2	1.5	3.0	21.0	3.0	4.0	2.8	0.5	0.9	1.0	1.0						
23	5.0	1.2	14.5	1.9	0.5	4.7	1.7	2.7	4.5	2.6	2.7	2.5	0.9	0.9	0.9	1.4	1.0	0.9						
24	0.9	3.5	1.5	3.2	1.6	2.5	18.5	3.3	3.0	2.6	2.3	0.5	0.9	8.5	1.4	0.9	0.9	0.9						
25	0.8	20.5	2.8	0.5	2.8	2.3	41.5	3.8	2.4	10.5	2.8	0.8	0.8	7.0	2.0	0.9	0.9	0.9						
26	0.7	2.3	2.5	2.0	3.8	2.2	2.0	50.0	6.0	1.9	1.9	0.8	11.0	1.1	1.5	0.5	0.9	0.9						
27	0.7	0.5	1.8	2.3	2.7	2.1	1.8	20.5	8.9	1.8	1.8	0.7	0.9	1.4	1.4	0.9	0.9	0.9						
28	0.7	1.6	2.1	2.3	11.5	2.1	8.5	1.8	35.5	10.9	1.7	8.5	0.8	1.3	10.0	1.1	1.1	1.1						
29	0.7	1.9	2.0	2.5	2.4	27.5	2.3	17.5	12.4	1.6	1.6	0.5	1.0	0.8	0.5	1.2	0.9	0.9						
30	20.0	0.8	1.8	1.9	1.0	2.0	26.0	7.9	7.0	9.5	1.6	15.0	1.2	1.2	1.2	2.0	0.9	0.9						
31	31.5	4.3	1.7	11.0	2.4	11.0	2.4	6.0	7.4	1.5	1.5	0.8	0.8	0.5	0.9	0.9	0.9	0.9	0.9					
total	97.5	26.1	88.5	35.2	180.5	85.1	150.0	61.1	241.0	130.8	217.0	75.6	327.0	151.2	141.5	160.5	71.5	34.9	158.5	62.2	169.0	57.1	68.5	36.4

付表 - 7 . 白坂流域の日降水量と日流出量（つづき）

SHIRASAKA	2010		unit: mm/day		n/a : data not available		annual precipitation: 2291.0		annual runoff:		n/a													
	January	February	March	April	May	June	July	August	September	October	November	December												
day	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff												
1	0.9	26.5	1.2	7.9	6.0	3.7	4.9	4.8	1.3	2.2	16.0	12.3												
2	0.9	1.1	1.0	5.7	22.5	5.7	2.9	4.8	1.2	1.9	4.9	1.1												
3	4.5	1.1	0.9	4.3	4.2	2.9	2.7	32.0	5.8	1.2	5.5	1.8												
4	6.5	1.0	0.8	13.5	3.8	3.7	2.5	14.0	9.8	1.1	27.5	3.5												
5	1.0	0.9	0.8	4.0	4.3	2.7	2.4	6.4	0.5	3.2	1.1	0.5												
6	0.9	1.0	0.8	18.5	5.1	3.2	2.3	5.2	2.9	2.0	2.0	2.0												
7	1.5	0.9	0.7	23.5	6.4	0.5	3.0	69.0	12.6	2.7	1.0	1.7												
8	0.9	0.7	0.7	5.9	2.8	0.5	7.4	5.0	2.3	0.5	4.2	0.5												
9	0.8	0.7	0.7	36.5	7.1	2.7	4.8	0.5	2.1	50.5	9.3	3.0												
10	0.8	7.0	0.7	6.0	10.6	2.6	0.5	4.1	1.9	8.8	0.5	2.4												
11	0.8	20.5	1.3	6.5	1.5	2.6	17.5	4.2	1.8	19.5	6.8	2.5												
12	2.0	0.8	1.4	0.5	5.3	69.0	6.4	4.0	1.7	7.5	7.7	36.5												
13	2.0	0.8	1.0	4.6	1.5	10.1	3.5	2.0	1.7	44.5	18.1	17.0												
14	0.8	0.8	1.0	4.0	5.1	3.1	5.5	1.9	42.5	23.7	6.5	3.8												
15	0.8	9.0	1.1	50.0	5.2	4.2	3.0	44.0	2.9	7.0	17.4	4.0												
16	0.8	1.0	1.0	19.5	18.6	15.5	4.1	2.8	79.5	34.5	0.5	12.4												
17	0.7	0.7	0.9	7.3	8.0	5.0	2.6	9.5	6.4	2.5	2.5	2.9												
18	0.7	0.7	0.9	0.5	5.8	3.9	2.5	76.5	11.1	7.9	2.3	2.0												
19	0.7	0.8	0.5	4.9	3.5	63.0	6.2	31.5	n/a	6.9	4.0	2.2												
20	0.5	0.7	0.8	4.3	12.0	3.8	7.5	10.3	2.0	n/a	6.1	12.0												
21	4.5	0.8	0.8	12.0	4.5	3.5	5.5	0.5	n/a	5.4	2.3	1.4												
22	0.7	0.8	0.8	3.8	61.0	10.7	4.4	0.5	n/a	4.9	2.0	1.5												
23	0.7	0.8	11.5	3.8	0.5	9.1	28.5	4.9	22.0	n/a	4.4	1.8												
24	0.7	0.8	33.0	5.4	6.1	36.0	10.1	n/a	n/a	4.0	1.8	1.7												
25	0.7	0.8	25.0	11.2	5.1	4.0	8.3	3.7	1.7	1.4	15.0	1.6												
26	0.7	124.0	17.4	7.7	4.5	6.2	23.0	5.6	3.4	1.6	4.0	1.4												
27	0.6	25.5	30.5	5.9	3.5	5.1	35.0	10.4	3.2	1.5	26.5	1.7												
28	6.0	0.8	30.0	14.9	5.1	12.0	4.5	3.0	1.5	30.5	7.9	14.0												
29	0.7	0.7	0.5	4.4	3.0	3.9	4.0	2.0	6.8	96.0	16.8	1.4												
30	0.7	0.7	0.5	4.0	3.6	3.7	3.7	7.0	10.3	4.4	4.5	2.6												
31	0.7	0.7	3.7	3.7	3.3	3.3	0.5	6.1	1.3	42.5	4.0	3.8												
total	28.5	24.5	245.0	85.4	263.0	187.1	216.5	138.9	226.5	148.4	332.5	n/a	333.5	245.6	89.5	82.2	210.0	64.3	210.0	75.8	53.5	61.4	82.5	36.7

付表 - 7 . 白坂流域の日降水量と日流出量 (つづき)

SHIRASAKA	2011	unit: mm/day	annual precipitation: 2161.5												annual runoff:	n/a										
			January		February		March		April		May		June				July		August		September		October		November	
day	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	1.0	1.0	1.0	0.7	10.0	4.7	0.9	20.5	5.2	23.0	8.0	22.0	3.2	8.5	7.8	0.5	2.2	2.9	1.7	1.7	1.7	1.7	1.7	7.5	1.8	
2	0.9	0.9	0.6	0.6	3.4	3.4	0.9	0.9	4.3	33.0	14.5	2.8	2.8	2.0	6.5	17.0	2.2	2.7	2.7	2.7	2.7	2.7	2.7	7.5	1.8	
3	0.9	0.9	0.6	0.6	2.6	2.6	0.9	0.9	3.6	3.6	11.0	5.5	2.8	2.8	5.6	8.0	3.2	2.5	2.5	2.5	2.5	2.5	1.6	3.5	1.6	
4	0.9	0.8	0.6	0.6	2.2	2.2	0.8	0.8	3.2	3.0	8.2	30.0	3.7	5.0	31.0	5.9	2.4	2.4	2.4	2.4	2.4	2.4	1.6	1.6	1.5	
5	0.8	0.8	0.6	0.6	1.9	1.9	0.8	0.8	2.8	3.0	6.8	4.0	5.0	4.5	41.0	13.7	38.5	4.0	10.5	1.6	1.6	1.6	1.6	1.4	1.4	
6	0.5	0.8	0.5	0.6	1.7	1.7	0.8	0.8	2.6	6.0	3.0	3.3	3.3	4.1	4.1	6.5	4.5	4.1	2.5	2.1	1.0	1.0	1.0	1.4	1.4	
7	0.8	0.8	0.6	0.6	11.5	2.0	0.8	0.8	2.5	5.3	41.0	6.9	6.9	3.8	3.8	4.4	4.4	2.9	0.5	1.6	1.6	1.6	1.4	1.4	1.4	
8	0.8	0.8	1.0	0.6	1.6	1.6	0.9	0.9	2.3	0.5	4.8	1.0	7.3	3.5	3.5	3.6	2.5	2.5	1.5	2.0	1.4	1.4	1.4	1.4	1.4	
9	0.8	0.8	3.5	0.7	1.5	35.0	3.1	1.1	4.4	4.4	4.4	4.7	4.7	3.3	3.3	3.2	2.4	2.4	1.4	1.4	1.4	1.4	0.5	1.3	1.3	
10	0.8	0.8	0.6	0.6	1.4	1.4	1.6	35.0	3.0	4.5	4.1	3.8	3.0	3.0	3.0	2.9	2.3	2.3	1.4	1.4	1.4	1.4	1.4	1.3	1.3	
11	0.8	0.8	0.5	0.7	1.3	1.3	1.3	100.0	20.6	38.5	9.8	3.3	3.3	2.8	2.8	2.7	2.7	2.1	14.5	1.9	1.9	1.9	1.2	1.2	1.2	
12	0.8	0.8	6.0	0.7	1.3	1.3	1.2	12.5	20.4	7.5	6.1	3.0	3.0	2.6	2.6	2.4	2.0	2.0	1.6	1.6	1.6	1.6	1.2	1.2	1.2	
13	0.7	0.7	0.6	0.6	1.2	1.2	1.1	0.5	9.7	27.5	10.8	2.7	2.7	2.5	2.5	2.3	1.9	1.9	1.5	1.5	1.5	1.5	1.2	1.2	1.2	
14	0.7	0.7	0.7	0.7	1.2	1.2	1.0	1.0	6.8	6.7	6.7	2.5	2.5	2.3	2.3	2.1	2.4	2.0	1.4	1.4	1.4	1.4	1.2	1.2	1.2	
15	0.7	0.7	17.5	0.9	1.2	2.0	1.0	1.0	5.5	5.4	5.4	2.3	2.3	0.5	2.3	2.0	45.0	8.7	1.3	1.3	1.3	1.1	1.1	1.1	1.1	
16	0.7	0.8	0.8	0.8	1.1	1.1	1.0	1.0	4.7	16.5	5.2	2.2	2.2	2.1	2.1	1.9	10.0	7.1	1.3	1.3	1.3	1.1	1.1	1.1	1.1	
17	0.8	0.8	10.0	0.8	1.0	1.0	0.9	4.0	4.3	3.5	5.6	2.1	0.5	2.1	14.0	2.3	4.3	4.3	1.2	1.2	1.2	1.1	1.1	1.1	1.1	
18	5.0	0.9	37.5	6.7	1.0	26.5	1.2	3.8	4.5	4.9	4.9	0.5	1.9	6.5	2.0	1.9	3.4	3.4	1.2	1.2	1.2	1.1	1.1	1.1	1.1	
19	2.5	0.9	2.1	2.1	1.0	8.0	2.3	3.4	0.5	4.6	75.0	7.4	4.5	2.2	17.0	2.1	3.0	83.0	12.5	1.1	1.1	1.1	1.1	1.1	1.1	
20	0.5	0.8	1.5	6.5	1.1	1.4	1.4	3.2	5.0	4.5	76.5	n/a	33.5	2.8	110.5	25.7	2.7	1.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	
21	2.0	0.7	1.3	20.0	1.8	1.2	1.2	3.0	18.5	6.8	1.5	n/a	39.5	9.4	65.5	27.1	2.5	2.5	4.1	4.1	4.1	4.1	4.1	4.1	4.1	
22	0.5	0.7	1.2	5.5	1.7	1.2	5.5	1.2	27.5	4.5	1.0	5.2	2.0	6.4	10.5	7.4	14.0	19.0	3.3	3.4	3.4	3.4	3.4	3.4	3.4	
23	0.7	0.7	0.5	1.1	1.3	75.0	10.5	23.5	4.4	4.4	4.5	5.2	5.2	4.2	4.2	7.7	2.5	2.8	3.0	3.0	3.0	3.0	3.0	3.0	3.0	
24	0.7	0.7	6.5	1.2	0.5	1.2	0.5	6.5	23.0	8.6	4.0	9.0	4.6	0.5	3.3	6.0	2.5	1.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7	
25	0.7	1.0	1.0	1.0	5.0	1.3	2.5	3.8	5.3	7.5	4.0	50.0	10.4	2.5	3.1	5.1	2.3	2.3	2.1	2.1	2.1	2.1	2.1	2.1	2.1	
26	0.7	1.0	1.0	1.0	1.2	2.9	2.0	4.2	1.0	3.6	0.5	7.5	25.5	4.0	4.5	4.5	2.1	2.0	6.5	1.1	1.1	1.1	1.1	1.1	1.1	
27	0.7	0.5	0.9	0.9	1.2	73.5	7.4	3.5	3.8	11.0	4.1	41.5	10.6	0.5	3.6	3.9	1.9	1.8	5.0	1.0	1.0	1.0	1.0	1.0	1.0	
28	0.7	62.5	8.0	8.0	1.1	7.5	17.4	19.0	4.4	3.5	3.6	8.1	3.0	3.0	3.6	1.8	1.8	1.7	2.5	1.0	1.0	1.0	1.0	1.0	1.0	
29	0.6	0.6	0.6	0.6	1.0	1.0	6.8	88.5	27.6	3.1	3.1	6.3	3.1	2.7	3.1	3.3	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	
30	0.5	0.6	0.6	0.6	1.0	1.0	4.9	0.5	14.5	2.8	6.5	5.4	1.0	2.5	2.5	3.2	7.0	1.9	1.6	1.6	1.6	1.6	1.6	1.6	1.6	
31	0.5	0.6	0.6	0.6	1.0	1.0	8.5	8.5	8.5	26.5	13.3	0.5	2.3	2.3	2.3	3.0	2.1	2.1	1.6	1.6	1.6	1.6	1.6	1.6	1.6	
total	13.0	23.7	148.5	37.4	482	237.0	86.5	360.0	202.8	210.0	178.4	396.0	n/a	136.5	116.3	305.0	171.6	154.0	90.9	113.5	71.2	29.0	37.1	0.9	0.9	

付表 - 8 . 樹芸 1 号沢流域の日降水量と日流出量

JYUGEI_1GOSAWA 2003

unit: mm/day

n/a : data not available

annual precipitation: 2533.2

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	0.5	n/a	n/a	n/a	99.5	n/a	n/a	n/a	0.8	8.0	7.1	3.0	1.9	9.3	6.3	0.5	3.7	1.7	9.0	1.4	1.7	1.4	17.5	10.9
2		n/a	3.0	n/a	n/a	8.0	n/a	8.0	0.5	0.8	3.6	0.5	1.8	5.5	5.5	3.5	3.5	1.7	36.0	3.0	1.7	1.3	8.4	8.4
3	39.5	n/a	2.0	n/a	13.0	n/a	n/a	n/a	0.9	0.9	2.9	14.5	1.9	5.0	5.0	3.4	3.4	3.0	36.0	3.0	1.6	0.5	1.9	7.4
4	1.5	n/a	0.5	n/a	n/a	1.0	n/a	n/a	0.8	8.5	2.6	54.0	8.6	4.6	4.6	3.0	3.0	2.7	49.0	3.2	1.6	0.5	1.9	6.4
5		n/a	1.0	n/a	n/a	28.5	n/a	n/a	0.8	0.5	2.4	3.5	2.0	2.0	4.4	2.7	2.7	1.6	14.0	6.9	1.6	14.0	8.0	5.5
6		n/a	n/a	n/a	2.0	n/a	n/a	n/a	0.8	0.8	2.0	2.0	2.9	4.1	4.1	2.8	2.8	1.6	14.0	6.9	1.6	14.0	8.0	5.5
7		n/a	n/a	n/a	24.0	n/a	n/a	n/a	8.5	0.9	1.6	29.7	4.0	3.9	3.9	2.6	2.6	1.0	14.0	6.9	1.6	14.0	8.0	5.5
8		n/a	21.5	n/a	0.5	n/a	55.0	n/a	19.5	1.6	1.6	9.5	4.0	7.5	3.8	2.5	2.5	1.1	14.0	6.9	1.6	14.0	8.0	5.5
9		n/a	31.0	n/a	10.5	n/a	n/a	n/a	0.7	0.7	2.5	2.5	3.4	57.0	7.0	2.4	2.4	0.9	5.5	1.4	0.9	1.6	4.4	4.4
10		n/a	3.0	n/a	1.0	n/a	n/a	n/a	0.6	7.5	2.5	11.5	3.7	5.2	1.0	2.3	2.3	0.8	12.0	1.4	0.8	1.4	3.8	3.8
11		n/a	2.0	n/a	2.0	n/a	n/a	n/a	6.0	8.5	2.8	13.1	4.6	3.8	3.8	2.2	2.2	8.0	16.5	2.5	2.2	1.0	3.6	3.6
12		n/a	n/a	n/a	n/a	31.5	n/a	n/a	4.0	4.0	2.4	3.4	4.0	4.8	3.3	2.1	2.1	28.5	1.7	0.5	1.8	10.0	3.8	3.8
13		n/a	n/a	n/a	n/a	0.5	n/a	n/a	0.6	7.0	2.7	27.9	4.6	3.0	3.0	2.1	2.1	2.5	1.3	3.5	1.4	1.4	3.3	3.3
14		n/a	n/a	n/a	n/a	n/a	n/a	n/a	13.0	0.7	8.5	17.0	9.8	68.0	5.3	1.9	1.9	26.0	1.9	1.4	1.4	1.4	3.1	3.1
15		n/a	n/a	n/a	5.5	n/a	n/a	n/a	26.5	1.6	2.3	1.0	6.7	209.5	49.2	1.9	1.9	6.5	2.3	42.5	3.1	3.1	3.0	3.0
16		n/a	11.0	n/a	14.5	n/a	0.5	n/a	8.0	1.5	4.0	0.8	5.4	48.5	27.0	1.9	1.9	1.9	1.3	9.0	7.4	7.4	2.8	2.8
17		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.9	10.0	2.6	4.6	4.0	19.1	1.8	1.8	1.2	3.0	3.0	1.2	3.0	2.7	2.7
18		n/a	10.0	n/a	n/a	n/a	n/a	n/a	0.7	13.5	2.9	n/a	4.2	0.5	15.6	1.7	1.7	3.5	1.2	2.3	2.3	2.6	2.6	2.6
19	5.5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	9.5	0.8	4.0	2.8	4.0	13.4	13.4	1.7	1.7	0.5	1.1	10.5	2.3	2.3	2.5	2.5
20	1.5	n/a	n/a	n/a	n/a	n/a	3.0	n/a	26.5	n/a	2.5	4.7	3.9	10.8	34.5	2.7	2.7	1.0	29.0	3.0	1.0	2.0	2.4	2.4
21		n/a	n/a	n/a	n/a	n/a	15.0	n/a	0.5	n/a	2.3	34.6	5.8	9.3	53.5	5.0	5.0	1.0	7.0	5.4	1.0	5.4	2.3	2.3
22		n/a	11.0	n/a	1.5	n/a	n/a	n/a	n/a	1.5	2.1	0.2	4.0	7.8	7.8	2.5	2.5	15.5	1.5	3.1	3.1	2.3	2.3	2.3
23	46.0	n/a	1.5	n/a	n/a	1.0	n/a	n/a	n/a	2.0	2.1	4.7	3.7	7.2	7.2	2.0	2.0	1.0	2.0	2.6	2.6	2.2	2.2	2.2
24		n/a	6.0	n/a	6.0	n/a	17.0	n/a	n/a	22.0	2.8	72.0	12.9	6.5	3.0	2.0	2.0	1.0	2.4	2.4	1.0	2.4	2.1	2.1
25		n/a	0.5	n/a	35.5	n/a	7.5	n/a	n/a	13.0	3.6	4.2	8.7	1.5	5.9	1.0	1.9	1.0	27.0	3.7	1.0	3.7	2.1	2.1
26		n/a	n/a	n/a	9.0	n/a	n/a	n/a	1.0	n/a	2.7	7.7	7.6	0.5	5.4	1.5	1.9	1.0	2.6	2.6	1.0	2.6	2.0	2.0
27	80.5	n/a	n/a	n/a	1.0	n/a	n/a	n/a	6.0	0.5	2.2	6.7	32.5	6.4	6.4	1.8	1.8	0.9	2.2	2.2	0.9	2.2	1.9	1.9
28	0.5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	3.5	2.2	2.2	5.9	5.0	5.0	1.8	1.8	1.8	13.5	1.5	2.1	2.1	1.8	1.8	1.8
29		n/a	n/a	n/a	n/a	n/a	n/a	n/a	1.4	2.0	2.0	5.3	5.6	4.2	4.2	1.7	1.7	1.2	13.5	2.3	1.2	2.3	1.8	1.8
30		n/a	n/a	n/a	n/a	n/a	10.5	n/a	n/a	1.4	1.9	36.8	6.9	4.2	4.2	1.7	1.7	1.1	151.5	37.4	1.1	37.4	1.8	1.8
31		n/a	n/a	n/a	n/a	n/a	n/a	n/a	109.5	11.2	6.6	6.6	6.6	4.0	4.0	1.1	1.1	4.0	1.1	1.1	1.1	1.5	1.8	1.8
total	175.5	n/a	104.0	n/a	225.5	n/a	181.5	n/a	239.0	n/a	126.5	358.1	161.9	445.6	266.7	95.0	71.2	105.5	40.2	436.5	116.3	40.5	113.3	113.3

付表 - 8 . 樹芸 1 号沢流域の日降水量と日流出量 (つづき)

JYUGEI_1GOSAWA 2004

unit: mm/day

n/a : data not available

annual precipitation: 2235.5

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	1.7	1.1	3.5	1.1	1.9	1.9	1.6	6.5	2.6	2.1	0.5	1.3	1.1	0.7	1.3	1.3	18.0	6.3	1.3	18.0	6.3	1.3	18.0	6.3
2	1.7	63.0	3.4	1.0	1.9	1.9	1.5	2.3	2.3	2.0	2.0	1.1	0.6	0.6	0.6	0.6	80.0	6.3	1.3	80.0	6.3	1.3	80.0	6.3
3	1.7	1.7	1.7	1.0	1.4	0.5	1.5	2.2	2.2	2.0	0.5	1.0	2.0	0.5	1.0	2.0	48.5	1.7	7.5	5.4	4.1	34.5	3.1	
4	1.6	1.3	4.0	1.1	12.0	1.6	13.5	1.9	2.1	1.9	5.5	0.9	48.5	1.7	7.5	5.4	4.1	34.5	3.1	34.5	3.1	34.5	3.1	
5	1.6	1.2	0.9	0.5	1.4	6.5	1.8	2.1	2.5	2.0	27.5	1.8	2.0	1.1	40.0	6.0	3.9	20.0	5.1	40.0	6.0	3.9	20.0	5.1
6	1.5	1.3	8.0	1.2	1.3	1.5	32.0	3.3	27.5	2.5	5.0	1.6	12.5	0.8	5.4	3.7	3.7	3.7	5.4	5.4	3.7	3.7	5.4	3.7
7	1.5	1.1	1.1	0.9	1.2	1.4	40.5	6.6	1.7	1.7	1.7	1.3	6.0	1.0	3.3	3.5	3.5	3.5	3.3	3.3	3.5	3.5	3.3	3.5
8	1.5	1.1	1.1	0.9	1.7	1.4	2.5	4.1	1.6	1.6	1.6	1.2	12.0	1.3	67.0	5.5	3.4	3.4	5.5	5.5	3.4	3.4	5.5	3.4
9	1.5	1.1	1.1	0.9	1.8	19.0	1.9	37.0	4.7	8.0	1.7	1.2	13.5	1.0	114.0	19.8	3.2	3.2	19.8	19.8	3.2	3.2	19.8	3.2
10	1.5	1.1	1.1	0.9	1.7	38.5	5.7	6.6	27.5	2.5	1.1	8.0	1.0	1.5	11.4	3.1	3.1	3.1	11.4	11.4	3.1	3.1	11.4	3.1
11	1.4	1.1	1.1	0.9	1.6	1.1	3.0	23.0	5.4	2.0	2.0	1.0	0.5	0.8	8.5	8.7	5.5	3.2	8.5	8.5	8.7	5.5	3.2	3.2
12	1.5	1.4	1.1	1.0	1.2	1.1	2.1	3.0	6.0	1.6	5.0	1.2	0.7	22.0	8.0	4.9	0.5	2.2	22.0	8.0	4.9	0.5	2.2	2.2
13	10.5	1.8	1.1	1.0	1.1	1.5	1.8	4.7	1.5	1.5	0.9	0.9	0.9	0.7	21.0	9.6	3.3	2.5	21.0	9.6	3.3	2.5	2.2	2.2
14	1.4	3.0	1.2	0.9	5.0	31.0	4.7	4.0	4.0	1.4	1.4	0.9	0.6	0.6	0.6	0.6	3.0	3.0	0.6	0.6	3.0	3.0	0.6	2.1
15	1.4	1.1	0.5	0.9	1.1	2.5	2.5	3.6	1.1	1.4	8.0	1.1	0.6	0.6	0.6	7.8	38.0	5.8	2.0	7.8	38.0	5.8	2.0	2.1
16	1.4	1.0	1.0	0.9	1.0	31.0	4.1	3.4	3.4	1.3	1.3	1.0	0.6	0.6	7.3	4.2	4.2	4.2	7.3	7.3	4.2	4.2	7.3	4.2
17	3.5	1.5	1.1	0.9	1.0	5.0	4.4	3.2	1.0	3.2	1.3	79.5	4.9	1.0	0.6	6.9	3.5	3.5	6.9	6.9	3.5	3.5	6.9	3.5
18	1.3	1.1	8.5	1.2	1.0	2.0	3.3	3.0	3.0	1.2	1.2	2.6	2.0	0.6	6.1	18.5	3.8	3.8	6.1	6.1	18.5	3.8	3.8	2.0
19	7.5	1.6	1.0	0.9	11.5	1.1	18.0	3.4	2.9	1.2	1.2	2.0	7.5	0.8	38.0	6.5	4.2	2.5	38.0	6.5	4.2	2.5	2.0	2.0
20	1.3	1.0	10.5	1.3	25.5	2.5	23.5	4.6	4.5	2.9	1.2	1.7	25.0	1.5	107.5	14.1	4.0	0.5	107.5	14.1	4.0	0.5	2.0	2.0
21	0.5	1.3	1.0	0.9	0.5	15.0	7.2	29.0	4.2	11.5	1.5	1.5	9.5	1.5	11.5	3.5	3.5	3.5	11.5	11.5	3.5	3.5	1.9	1.9
22	1.3	9.5	1.2	1.5	1.5	0.5	4.9	3.5	3.3	1.3	1.3	1.5	1.5	1.6	9.1	1.7	1.7	1.7	9.1	9.1	1.7	1.7	1.7	1.7
23	1.4	15.5	1.7	0.5	1.1	2.0	n/a	13.5	4.4	2.9	1.3	4.0	1.4	1.4	8.2	3.0	3.0	3.0	8.2	8.2	3.0	3.0	1.7	1.7
24	1.5	1.0	1.0	1.0	n/a	n/a	3.7	2.8	2.8	1.3	10.0	1.4	2.5	1.4	7.6	2.9	2.9	2.9	7.6	7.6	2.9	2.9	1.6	1.6
25	1.8	1.0	2.5	1.0	n/a	n/a	3.3	27.5	3.3	1.0	1.3	0.9	3.0	1.3	7.3	2.9	2.9	2.9	7.3	7.3	2.9	2.9	0.5	1.6
26	1.9	1.0	9.5	1.4	n/a	n/a	3.0	2.0	65.5	4.0	0.9	0.9	1.3	9.0	7.1	2.8	2.8	2.8	9.0	9.0	7.1	2.8	1.6	1.6
27	2.0	1.0	1.0	1.0	74.0	n/a	2.8	1.8	1.8	1.8	1.8	0.9	11.0	1.6	1.0	6.3	5.5	2.9	1.0	6.3	5.5	2.9	1.6	1.6
28	2.1	1.0	1.0	1.0	n/a	n/a	2.7	1.7	1.7	1.5	1.5	0.9	1.3	1.3	5.6	2.8	2.8	2.8	5.6	5.6	2.8	2.8	1.5	1.5
29	2.3	10.0	1.4	0.9	n/a	n/a	2.6	13.5	2.0	9.5	1.6	9.0	1.1	1.3	5.2	2.7	2.7	2.7	5.2	5.2	2.7	2.7	9.0	1.8
30	1.5	1.5	89.0	4.5	n/a	n/a	5.5	0.5	2.2	28.0	2.2	4.5	1.0	22.5	2.1	7.0	5.0	2.6	7.0	7.0	5.0	2.6	1.5	1.5
31	1.1	1.1	1.0	4.7	n/a	n/a	6.0	2.8	17.5	2.3	0.5	0.9	0.9	33.5	6.6	34.5	2.8	2.8	33.5	33.5	6.6	6.6	34.5	2.8
total	23.5	48.5	101.0	35.4	164.5	390	139.5	94.1	223.0	101.9	198.5	54.2	159.5	42.2	192.5	32.0	557.5	228.7	139.0	110.0	106.5	68.5	68.5	68.5

付表 - 8 . 樹芸 1 号沢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	1.5	1.0	1.0	0.8	n/a	13.5	2.5	1.4	11.0	3.2	1.0	3.9	5.1	1.7	1.3	1.1	1.1							
2	1.4	1.0	0.8	0.8	n/a	38.0	5.9	2.4	2.9	2.9	7.0	3.9	4.7	1.7	1.3	1.1	1.1							
3	1.3	1.0	2.0	0.8	n/a	3.0	3.1	2.7	0.5	2.7	3.5	3.5	4.3	1.6	1.5	1.3	1.1							
4	22.5	2.2	1.0	1.3	35.5	n/a	2.7	1.7	53.0	6.7	3.2	0.5	4.0	1.6	1.3	1.1	1.1							
5	1.0	1.5	1.0	0.9	n/a	2.6	2.6	1.5	4.3	4.3	n/a	49.5	5.7	18.0	1.9	1.3	0.5	1.1						
6	4.0	1.5	1.0	0.9	n/a	14.5	2.8	1.4	2.5	3.6	3.0	0.5	4.8	3.5	2.1	80.5	4.1	3.5	1.1					
7	1.4	1.0	1.0	0.9	n/a	9.0	3.0	1.3	3.4	3.4	2.9	21.0	4.9	25.5	2.3	4.5	4.3	1.0	1.1					
8	1.3	6.5	1.1	0.8	n/a	2.5	2.5	1.3	3.0	3.0	2.7	4.2	10.5	2.5	1.9	1.1	1.1							
9	1.3	0.5	1.0	0.8	n/a	2.4	2.4	1.0	4.1	4.1	2.6	3.6	8.5	2.1	1.6	1.1	1.1							
10	1.2	21.5	1.7	0.8	n/a	2.2	2.2	1.3	3.0	6.2	2.5	3.4	1.5	1.9	1.5	1.1	1.1							
11	1.2	1.0	38.5	2.4	81.5	n/a	2.1	1.8	4.3	4.3	2.4	2.4	3.2	0.5	1.7	1.5	1.0							
12	1.2	0.9	1.3	4.5	n/a	5.5	2.2	1.5	3.7	3.7	2.4	1.0	3.1	1.6	11.5	1.9	1.0							
13	1.2	0.9	1.0	1.5	n/a	1.0	2.1	1.4	3.4	3.4	2.3	2.3	3.0	1.5	1.5	1.0	1.0							
14	1.2	0.9	0.9	0.9	n/a	n/a	2.0	1.3	4.5	3.3	2.2	2.2	2.9	1.5	1.4	1.0	1.0							
15	15.5	1.5	0.9	0.9	n/a	6.5	2.1	15.5	1.8	3.0	2.2	2.2	2.7	39.0	2.5	1.4	1.0							
16	2.0	1.3	8.0	1.1	4.0	n/a	1.9	46.0	3.9	2.9	2.1	2.1	2.6	9.0	2.8	1.3	1.0							
17	1.2	3.5	1.0	36.5	n/a	n/a	1.8	1.0	2.5	2.8	2.0	2.0	2.5	7.5	2.0	1.4	1.0							
18	1.1	3.5	0.9	0.5	n/a	2.5	1.8	1.8	2.7	0.5	2.0	2.5	44.5	5.0	1.4	0.9	0.9							
19	1.1	10.0	1.1	n/a	5.0	n/a	9.5	2.1	2.6	5.5	2.2	2.4	0.5	3.1	1.4	0.9	0.9							
20	1.1	0.5	1.0	n/a	70.5	n/a	1.7	10.0	1.9	2.4	1.9	2.4	2.4	2.0	1.3	0.9	0.9							
21	1.1	0.9	0.9	n/a	n/a	n/a	1.7	1.0	1.5	2.3	0.5	1.9	2.2	1.8	1.4	0.9	0.9							
22	2.5	1.1	0.9	45.0	n/a	4.3	1.5	1.7	126.0	17.8	2.3	29.5	3.1	2.1	1.7	1.4	0.9							
23	1.1	0.9	15.5	n/a	n/a	3.5	1.6	11.5	7.8	6.0	2.4	9.0	2.1	1.6	1.2	1.0	1.0							
24	1.1	11.0	1.0	3.0	n/a	3.1	1.5	5.5	2.2	2.2	1.9	7.5	2.2	1.5	1.2	1.0	1.0							
25	0.5	1.1	10.0	1.4	n/a	0.5	3.0	1.5	4.4	12.0	2.5	235.5	27.0	6.5	2.2	1.5	1.0							
26	5.5	1.1	0.9	n/a	5.0	2.9	1.5	3.8	126.0	14.1	12.0	19.3	2.0	2.0	1.4	1.1	1.0							
27	1.0	1.0	0.9	n/a	n/a	2.6	1.4	3.5	0.5	8.2	10.0	0.5	1.9	4.0	1.1	1.0	1.0							
28	1.0	0.9	0.9	n/a	n/a	2.6	1.4	3.2	6.0	6.0	8.0	0.5	1.9	1.4	1.1	1.1	1.1							
29	6.0	1.1	n/a	n/a	n/a	2.5	1.4	3.1	5.0	5.0	7.1	1.8	1.8	5.0	2.2	1.1	1.1							
30	0.5	1.0	n/a	n/a	n/a	2.3	24.0	1.7	3.0	3.0	4.4	5.0	6.3	1.7	1.2	1.1	1.1							
31	1.0	1.0	n/a	n/a	n/a	9.5	2.0	4.1	4.1	4.1	5.7	1.7	1.3	1.3	1.1	1.1	1.1							
total	60.0	38.4	76.0	28.3	209.0	n/a	206.5	n/a	206.5	89.4	260.5	124.7	305.5	n/a	89.5	92.1	177.5	59.8	125.5	47.5	11.5	32.0	11.5	32.0

annual precipitation: 1929.0

annual runoff: n/a

unit: mm/day

rain runoff

n/a : data not available

付表 - 8 . 樹芸 1 号沢流域の日降水量と日流出量 (つづき)

JYUGEI_1COSAWA 2006

unit: mm/day

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	1.1	1.1	81.5	n/a	44.5	5.5	1.8	3.1	3.7	3.5	3.6	2.5	3.7	4.7	n/a	4.4	21.5	1.8	1.0	1.0	1.0	0.9	0.9	
2	6.0	1.5	n/a	n/a	6.7	30.5	3.1	5.5	3.1	3.5	3.5	3.5	3.5	4.5	n/a	3.1	3.5	1.6	1.0	1.0	1.0	0.9	0.9	
3	0.5	1.8	n/a	n/a	4.5	2.4	2.8	2.8	3.3	3.3	3.3	3.3	3.3	4.0	40.0	2.7	0.5	1.3	1.0	1.0	1.0	0.8	0.8	
4	1.5	1.5	2.0	n/a	3.7	3.5	2.1	2.7	3.2	3.2	3.2	3.2	3.2	4.0	4.0	2.4	7.0	1.4	1.1	1.1	1.1	0.8	0.8	
5	2.0	0.9	1.0	n/a	3.2	23.0	3.3	2.6	3.1	105.5	11.1	2.6	3.9	3.7	2.5	2.3	7.5	1.4	1.1	1.1	1.1	0.8	0.8	
6	3.0	0.9	0.5	n/a	6.5	3.2	2.8	2.5	3.0	55.0	20.0	3.0	5.0	3.7	2.5	2.3	46.0	3.3	11.5	1.2	1.2	0.8	0.8	
7	1.0	0.9	5.0	n/a	2.9	2.3	60.5	5.0	2.9	1.0	12.2	2.9	1.0	3.6	2.2	2.2	1.7	18.0	1.8	1.8	1.8	0.8	0.8	
8	0.8	0.8	n/a	n/a	2.7	2.2	31.5	8.8	2.8	13.5	9.9	188.5	17.1	3.6	2.2	2.2	1.4	1.4	1.1	1.1	0.5	0.8	0.8	
9	1.5	0.8	n/a	n/a	2.5	2.0	4.0	6.5	17.5	3.4	22.5	10.4	96.0	2.1	2.1	2.1	1.3	1.3	1.2	1.2	1.2	0.5	0.9	
10	0.5	0.9	n/a	n/a	7.5	2.6	1.0	2.0	2.5	4.9	2.8	2.8	9.8	20.1	2.1	2.1	1.2	1.2	1.2	1.2	1.2	0.8	0.8	
11	0.8	0.8	n/a	n/a	2.4	84.0	4.7	39.5	9.3	19.5	3.5	4.5	9.2	17.5	2.0	2.0	0.5	1.3	38.5	2.4	2.4	0.8	0.8	
12	0.8	0.8	n/a	n/a	2.3	112.5	33.3	7.9	7.9	2.9	0.5	8.5	8.5	14.3	1.9	1.9	0.5	1.3	1.4	1.4	0.5	0.8	0.8	
13	0.8	0.8	n/a	n/a	2.2	2.2	11.6	8.7	3.5	2.8	2.8	7.7	7.7	11.5	1.8	1.8	1.3	1.3	1.1	1.1	5.0	0.9	0.9	
14	94.5	5.3	n/a	n/a	2.1	8.8	2.0	10.9	2.7	6.7	10.5	0.5	1.8	10.5	0.5	1.8	1.1	6.0	1.1	6.0	1.1	8.5	0.9	
15	2.0	2.5	n/a	n/a	2.0	7.6	8.6	32.5	3.6	6.1	0.4	9.7	1.7	9.7	1.7	1.7	1.1	1.1	1.1	1.1	5.0	1.0	1.0	
16	2.0	1.2	32.5	2.8	3.3	2.0	7.2	7.5	86.0	17.2	5.7	14.0	7.3	1.7	1.7	1.7	1.1	1.1	1.0	1.0	1.0	0.8	0.8	
17	2.0	1.1	0.5	1.4	2.8	2.8	6.4	5.5	6.6	29.5	9.2	1.0	5.3	50.0	7.2	1.8	1.1	1.1	1.0	1.0	3.0	0.8	0.8	
18	n/a	n/a	1.2	4.5	2.3	5.7	4.5	6.1	16.0	11.6	15.5	5.7	n/a	6.4	12.5	2.3	1.1	1.1	0.9	0.9	0.7	0.7	0.7	
19	n/a	n/a	1.1	7.0	2.5	5.0	5.3	4.0	5.7	9.4	30.5	7.2	n/a	5.4	0.5	1.9	1.1	17.5	1.2	1.2	0.7	0.7	0.7	
20	n/a	n/a	7.0	1.3	2.1	14.5	5.6	14.5	6.5	8.2	4.0	5.9	4.8	4.8	1.7	1.7	1.1	12.5	1.7	1.7	0.7	0.7	0.7	
21	16.5	n/a	0.5	1.2	2.0	4.8	4.8	5.4	5.4	6.7	11.0	5.7	4.3	4.3	1.6	1.6	1.1	1.1	1.1	1.1	0.7	0.7	0.7	
22	4.5	n/a	n/a	1.1	10.0	2.1	4.4	4.9	4.9	2.0	5.9	0.5	5.3	4.0	1.5	13.0	1.3	1.0	1.0	1.0	0.7	0.7	0.7	
23	n/a	n/a	1.1	24.0	4.3	3.0	4.2	16.0	5.1	2.5	5.5	62.0	13.9	3.8	1.4	37.5	2.6	14.0	1.2	1.2	0.6	0.6	0.6	
24	n/a	n/a	14.5	1.4	2.7	0.5	4.0	1.0	4.9	0.5	5.0	3.0	9.9	3.6	1.4	10.0	1.7	7.0	1.5	1.5	0.6	0.6	0.6	
25	n/a	n/a	1.2	n/a	2.3	3.7	2.5	4.3	0.5	4.7	6.0	9.6	3.4	3.4	1.4	1.4	1.3	1.3	1.1	1.1	2.0	0.7	0.7	
26	n/a	n/a	114.5	12.9	0.5	2.2	3.5	4.0	16.5	5.1	8.2	8.2	3.2	3.5	1.4	1.4	1.2	3.5	1.0	1.0	67.0	2.0	2.0	
27	n/a	n/a	7.8	7.8	2.1	11.0	3.8	29.5	4.9	4.5	7.0	7.0	3.0	8.0	1.6	1.6	1.1	10.0	1.3	1.3	14.5	3.8	3.8	
28	n/a	n/a	1.0	3.9	11.5	2.3	3.3	3.0	5.4	4.2	6.2	8.5	2.9	2.9	1.4	9.0	1.2	1.1	1.1	1.1	1.2	1.2	1.2	
29	n/a	n/a	n/a	n/a	2.0	4.5	3.3	2.5	4.6	3.9	5.7	5.7	3.1	3.1	1.4	0.5	1.2	1.0	1.0	1.0	0.9	0.9	0.9	
30	n/a	n/a	n/a	n/a	1.9	1.9	3.1	4.1	4.1	3.7	5.3	5.3	2.8	2.8	1.0	1.3	1.1	0.9	0.9	0.9	1.0	1.0	1.0	
31	10.0	n/a	n/a	n/a	1.8	n/a	n/a	3.8	n/a	2.6	n/a	1.5	5.0	n/a	n/a	n/a	1.0	n/a	n/a	n/a	n/a	1.0	1.0	
total	144.0	n/a	263.0	n/a	151.5	87.2	295.0	158.3	280.5	171.2	226.5	151.9	340.0	236.9	n/a	249.4	58.8	157.0	42.8	138.5	35.8	112.5	29.7	

付表 - 8 . 樹芸 1 号沢流域の日降水量と日流出量（つづき）

JYUGEI_1GOSAWA 2007

unit: mm/day

n/a : data not available

annual precipitation: 2323.0

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	1.0	0.7	0.6	0.6	0.8	0.8	0.9	0.9	1.4	1.4	1.4	1.4	1.3	1.3	4.5	4.5	1.7	1.7	3.2	2.0	3.3	3.3	1.5	1.5
2	3.0	1.0	0.6	0.6	0.8	0.5	1.1	0.5	1.1	0.5	1.4	1.4	1.6	1.5	1.4	5.0	4.3	1.6	3.2	1.0	3.1	3.1	1.5	1.5
3	1.0	0.6	0.6	0.6	0.7	0.5	1.0	1.1	1.1	1.1	1.1	1.1	1.6	2.5	1.4	3.9	3.9	1.6	1.6	3.1	2.9	2.9	2.2	2.2
4	0.9	0.6	0.6	0.6	1.0	0.7	1.0	0.9	0.9	0.9	1.1	1.1	1.5	18.5	1.8	3.7	3.7	1.6	3.1	3.1	2.8	2.8	1.4	1.4
5	0.8	0.6	0.6	0.6	14.5	1.1	0.9	0.9	0.9	1.1	1.1	1.1	1.5	3.0	1.7	3.6	3.5	1.7	3.0	5.0	2.7	2.7	1.4	1.4
6	28.0	1.6	0.6	0.6	0.8	0.8	0.9	0.9	41.5	2.9	1.5	1.4	1.4	1.4	1.4	3.4	211.0	15.2	2.9	0.5	2.7	2.7	1.4	1.4
7	0.9	0.6	0.6	0.6	0.7	10.0	1.1	0.5	2.0	2.0	1.4	1.4	1.5	1.4	3.3	45.5	18.6	2.8	2.8	2.6	2.6	1.4	1.4	
8	0.8	0.6	0.6	0.6	0.7	0.5	1.0	1.0	1.5	1.5	1.4	1.4	1.3	1.3	3.2	7.3	75.5	6.8	2.5	2.5	2.5	1.3	1.3	
9	0.8	0.5	0.6	0.6	0.7	0.7	0.9	0.9	1.3	1.3	1.8.0	1.7	1.2	1.2	3.2	19.0	5.9	3.8	1.5	2.5	2.5	1.3	1.3	
10	0.7	0.6	0.6	0.6	0.7	0.7	0.9	4.0	1.3	1.3	18.0	2.3	63.5	3.4	3.1	53.5	12.5	3.2	2.0	2.4	2.4	1.3	1.3	
11	0.7	0.6	0.6	0.6	44.5	2.8	0.9	0.9	1.2	1.2	1.5	151.0	25.2	3.0	7.0	9.2	2.9	2.9	2.4	2.4	2.4	5.0	1.4	1.4
12	0.7	0.6	0.6	0.6	1.1	0.8	1.1	0.8	1.1	1.1	1.4	11.5	9.3	1.4	2.9	52.5	15.2	2.8	2.8	2.2	2.1	1.0	1.3	1.3
13	0.7	0.6	0.6	0.6	0.9	0.9	0.9	0.9	1.1	1.1	1.4	8.0	7.2	1.4	2.8	0.5	10.2	2.7	2.7	2.1	2.1	2.0	1.4	1.4
14	0.7	23.5	1.1	0.8	46.0	3.0	1.1	49.5	3.1	118.0	17.3	3.0	2.8	8.4	2.5	2.6	2.6	2.1	2.1	2.0	2.0	1.3	1.3	1.3
15	0.7	0.7	0.7	0.7	5.5	0.8	1.2	1.1	1.1	1.1	2.7	63.0	29.0	2.6	3.0	7.7	2.3	2.3	2.0	2.0	2.0	1.2	1.2	1.2
16	0.5	0.7	0.6	0.7	1.0	0.9	1.3	1.0	1.0	1.0	1.8	0.5	15.9	2.5	0.5	7.2	2.2	2.2	1.9	1.9	1.9	1.2	1.2	1.2
17	6.0	0.8	4.5	0.7	0.8	9.5	2.0	35.5	2.1	2.1	1.6	37.0	14.5	2.4	5.0	6.8	2.1	2.1	1.9	1.9	1.9	1.2	1.2	1.2
18	0.7	36.0	2.0	0.7	0.7	8.0	1.4	1.1	1.1	1.1	8.0	9.0	12.0	2.3	6.0	6.0	2.0	2.0	1.8	1.8	1.8	1.2	1.2	1.2
19	0.7	4.0	1.1	0.7	3.0	1.3	3.5	1.1	1.1	1.1	1.5	9.9	9.9	2.3	5.4	11.0	2.2	0.5	1.7	1.7	1.7	1.2	1.2	1.2
20	0.5	0.7	0.8	0.7	0.7	0.7	1.1	1.0	1.0	1.0	1.5	8.4	8.4	2.2	4.9	1.9	1.9	1.9	1.7	1.7	1.7	1.1	1.1	1.1
21	10.0	0.8	0.7	0.7	2.5	1.1	1.1	0.9	0.9	0.9	1.4	35.0	8.2	2.5	1.4	1.8	1.8	1.6	1.6	1.6	1.6	1.1	1.1	1.1
22	9.0	1.1	3.0	0.7	0.7	1.0	1.1	0.9	0.9	0.9	20.5	2.0	9.5	8.9	2.6	4.3	1.8	1.8	1.5	1.5	1.5	1.4	1.4	1.4
23	0.7	17.5	1.3	0.7	2.0	1.0	1.0	0.9	0.9	0.9	7.7	32.5	3.0	4.0	1.8	4.0	1.8	1.8	1.5	1.5	1.5	2.0	2.0	2.0
24	0.7	n/a	n/a	5.0	0.7	2.5	1.0	0.9	0.9	0.9	21.5	1.9	7.0	0.5	2.2	3.8	1.7	1.7	1.5	1.5	1.5	1.5	1.5	1.5
25	0.7	n/a	n/a	84.0	6.5	37.5	3.2	133.0	8.9	7.0	2.4	6.3	6.3	2.1	1.0	3.7	1.8	1.8	1.5	1.5	1.5	1.5	1.5	1.5
26	5.5	0.7	n/a	n/a	2.2	1.6	1.6	2.2	1.8	1.8	1.8	5.8	5.8	2.0	3.5	21.5	2.7	2.7	1.5	1.5	1.5	1.4	1.4	1.4
27	0.5	0.7	9.5	0.8	6.5	1.5	1.3	1.3	3.3	3.3	1.6	5.3	5.3	1.9	3.4	126.0	12.3	1.5	1.5	1.5	1.5	1.4	1.4	1.4
28	0.7	9.0	1.3	1.3	7.5	1.3	1.3	2.5	2.5	2.5	1.5	4.9	4.9	1.9	3.4	6.2	6.5	6.5	1.6	1.6	1.6	1.4	1.4	1.4
29	0.6	n/a	n/a	0.5	1.2	1.1	1.1	2.1	2.1	2.1	1.0	4.6	4.6	1.8	1.8	4.0	0.5	1.6	1.6	1.6	1.6	1.4	1.4	1.4
30	0.6	n/a	n/a	6.0	1.3	1.1	1.1	1.9	1.9	1.9	1.4	43.5	5.8	1.8	25.0	3.8	1.0	3.5	0.5	0.5	0.5	1.4	1.4	1.4
31	2.0	0.7	n/a	n/a	0.5	1.1	n/a	9.5	2.0	2.0	5.4	9.5	5.4	9.5	1.9	2.5	3.4	3.4	1.6	1.6	1.6	1.4	1.4	1.4
total	65.0	24.6	107.5	n/a	169.0	358	157.0	378	247.0	581	143.5	516	576.5	234.9	50.5	85.7	427.5	186.5	241.0	99.8	20.0	62.7	118.5	46.1

付表 - 8 . 樹芸 1 号沢流域の日降水量と日流出量 (つづき)

JYUGEI_1GOSAWA 2008

unit: mm/day

annual precipitation: 2445.0

annual runoff:

1114.5

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	1.1	0.9	0.8	1.5	0.8	1.2	0.8	1.2	0.8	1.2	0.8	1.2	0.8	1.2	0.8	1.2	0.8	1.2	0.8	1.2	0.8	1.2	0.8	1.2
2	1.1	0.5	0.8	1.2	0.8	1.2	0.8	1.2	0.8	1.2	0.8	1.2	0.8	1.2	0.8	1.2	0.8	1.2	0.8	1.2	0.8	1.2	0.8	1.2
3	1.1	44.0	3.0	1.1	0.8	1.1	0.8	1.1	0.8	1.1	0.8	1.1	0.8	1.1	0.8	1.1	0.8	1.1	0.8	1.1	0.8	1.1	0.8	1.1
4	1.1	1.0	1.7	0.8	0.8	1.1	0.8	1.1	0.8	1.1	0.8	1.1	0.8	1.1	0.8	1.1	0.8	1.1	0.8	1.1	0.8	1.1	0.8	1.1
5	1.1	1.2	0.8	1.0	0.8	1.0	0.8	1.0	0.8	1.0	0.8	1.0	0.8	1.0	0.8	1.0	0.8	1.0	0.8	1.0	0.8	1.0	0.8	1.0
6	1.1	1.5	1.1	0.8	0.8	0.9	0.8	0.9	0.8	0.9	0.8	0.9	0.8	0.9	0.8	0.9	0.8	0.9	0.8	0.9	0.8	0.9	0.8	0.9
7	11.0	1.3	0.8	41.5	1.7	0.8	41.5	1.7	0.8	41.5	1.7	0.8	41.5	1.7	0.8	41.5	1.7	0.8	41.5	1.7	0.8	41.5	1.7	0.8
8	1.1	1.0	0.8	82.0	10.9	0.8	82.0	10.9	0.8	82.0	10.9	0.8	82.0	10.9	0.8	82.0	10.9	0.8	82.0	10.9	0.8	82.0	10.9	0.8
9	1.1	9.5	1.2	0.8	0.8	3.4	0.8	3.4	0.8	3.4	0.8	3.4	0.8	3.4	0.8	3.4	0.8	3.4	0.8	3.4	0.8	3.4	0.8	3.4
10	1.0	1.0	1.0	14.5	1.2	10.5	2.6	14.5	2.1	19	27.0	5.7	7.0	1.9	1.9	1.9	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
11	0.5	1.0	0.9	0.8	5.5	2.4	0.5	1.9	0.5	4.3	4.9	6.4	1.8	1.8	1.8	2.2	10.5	3.1	1.5	1.4	1.4	1.0	1.6	
12	24.5	2.0	8.0	1.2	0.8	1.9	13.0	1.9	22.5	5.4	5.6	6.5	2.0	2.0	2.0	2.0	2.5	0.5	1.3	1.3	1.3	1.3	1.3	
13	1.2	0.9	0.8	1.7	20.0	3.0	0.8	4.6	4.6	4.6	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	
14	1.1	0.9	39.5	1.8	5.0	1.8	4.0	2.1	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	
15	1.0	0.9	5.0	1.7	1.6	1.5	1.6	1.5	1.6	1.5	1.6	1.5	1.6	1.5	1.6	1.5	1.6	1.5	1.6	1.5	1.6	1.5	1.6	
16	1.0	0.9	0.9	1.0	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	1.5	1.5	1.5	1.5	1.5
17	1.0	0.9	0.9	1.9	23.0	1.9	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
18	0.9	0.8	0.8	21.0	8.5	0.9	60.0	8.5	1.8	3.5	1.0	3.2	3.1	1.6	14.0	2.3	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
19	0.9	0.8	0.8	0.5	1.0	3.1	105.0	12.7	74.0	9.5	2.9	2.9	3.0	1.5	41.0	13.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
20	6.5	1.0	0.8	0.5	1.0	3.1	105.0	12.7	74.0	9.5	2.9	2.9	3.0	1.5	41.0	13.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
21	14.0	1.3	0.8	0.9	0.9	2.7	0.9	2.7	0.9	5.2	190.5	32.4	2.9	1.4	2.5	5.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
22	1.0	0.8	0.8	0.9	2.5	0.9	3.7	106.5	46.4	2.8	2.8	2.8	2.8	1.3	6.5	4.2	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
23	6.5	1.1	0.8	0.9	2.3	0.9	3.4	9.0	28.3	3.4	9.0	28.3	2.8	1.3	3.3	3.6	6.5	2.0	2.0	2.0	2.0	2.0	2.0	2.0
24	0.5	1.0	0.8	39.0	2.7	37.0	4.1	16.5	3.6	2.6	159.5	8.6	2.6	159.5	8.6	3.3	41.0	3.7	14.5	1.4	1.4	1.4	1.4	1.4
25	0.9	0.8	0.8	1.4	1.4	3.3	45.0	9.1	16.5	16.5	16.5	16.5	2.6	9.5	6.3	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
26	0.9	21.5	1.4	1.5	1.1	1.5	2.8	0.5	6.0	18.0	14.5	2.5	2.5	2.8	4.0	3.2	0.5	1.9	1.9	1.9	1.9	1.9	1.9	1.9
27	0.9	1.0	1.0	6.0	2.8	1.0	6.0	2.8	4.7	12.2	12.2	2.4	2.4	2.3	2.3	2.7	1.8	12.0	1.3	1.3	1.3	1.3	1.3	1.3
28	3.0	0.9	0.8	4.5	1.0	2.4	4.1	10.8	4.1	10.8	10.8	2.4	2.4	16.0	2.7	2.5	1.7	15.5	1.9	1.9	1.9	1.9	1.9	1.9
29	10.5	1.2	0.8	0.9	1.2	2.3	51.5	7.4	116.0	23.6	2.3	10.0	2.2	16.0	2.9	1.6	6.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4
30	1.0	0.9	1.0	8.5	1.0	2.2	0.5	5.8	0.5	19.1	1.5	2.2	80.0	10.8	34.0	4.4	1.6	6.0	1.4	1.4	1.4	1.4	1.4	1.4
31	0.9	0.9	30.0	2.7	4.9	4.9	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
total	77.0	33.3	87.5	30.0	323.5	81.0	323.5	112.7	629.0	317.9	36.5	170.3	340.5	82.9	250.5	96.6	123.5	80.6	70.5	40.3	70.5	40.3	70.5	34.9

付表 - 8 . 樹芸 1 号沢流域の日降水量と日流出量（つづき）

JYUGEI_1GOSAWA 2009

unit: mm/day

annual precipitation: 2516.5

annual runoff:

1072.9

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	0.9	1.5	1.6	1.4	3.5	2.1	7.0	2.1	2.2	2.1	1.7	4.5	5.3	7.5	2.7	1.5	1.6	51.0	3.0	2.7	1.7	3.0	0.5	1.7
2	0.8	1.1	1.1	1.4	1.8	1.8	1.7	1.7	2.1	1.7	1.7	12.0	5.4	47.5	9.1	2.6	2.6	42.5	3.1	2.7	1.6	2.7	1.6	1.6
3	0.8	1.0	1.5	1.3	1.7	2.1	1.7	2.1	2.1	1.7	1.7	7.5	5.0	7.8	2.5	2.5	28.5	4.1	0.5	1.6	9.5	1.6	1.9	
4	0.9	1.0	2.0	1.3	18.5	2.3	18.5	2.3	2.1	0.5	1.6	3.5	4.6	7.2	2.4	2.4	1.8	1.5	1.5	1.5	1.5	1.5	1.7	1.7
5	0.8	1.2	0.5	2.0	20.0	2.5	2.0	2.0	2.5	14.0	1.9	0.5	4.2	6.4	1.9	2.3	14.5	1.8	2.3	1.4	1.4	29.0	2.7	
6	0.8	0.9	38.0	3.4	1.7	36.0	3.2	12.0	2.1	26.5	5.5	5.5	5.5	5.9	2.3	31.5	4.2	1.4	1.4	1.4	1.4	2.2	2.2	
7	3.0	0.9	0.9	2.2	1.7	30.5	5.8	1.7	1.7	30.5	5.8	1.7	4.8	0.5	5.5	2.2	23.5	3.2	1.4	1.4	1.4	1.8	1.8	
8	2.0	0.9	0.8	1.7	1.6	23.0	6.0	1.6	1.6	23.0	6.0	1.6	10.0	4.8	5.1	2.2	48.0	8.0	1.4	1.4	1.4	0.5	1.6	
9	11.5	1.1	0.8	0.5	1.5	1.6	1.6	1.6	3.9	1.6	3.5	4.6	0.5	4.8	2.5	2.1	2.8	2.8	1.3	1.3	1.3	1.6	1.6	
10	0.9	3.5	0.9	12.0	2.0	1.6	3.3	61.0	8.0	2.0	1.6	4.3	61.0	8.0	2.0	2.0	2.1	12.5	1.6	1.6	1.6	1.5	1.5	
11	0.8	0.8	0.8	1.5	1.6	1.6	3.0	54.5	4.1	37.5	9.4	2.0	2.0	9.4	2.0	1.8	66.5	6.3	14.0	1.8	1.8	14.0	1.8	
12	0.5	0.8	0.8	1.4	1.5	2.2	2.9	2.2	2.2	2.2	3.8	3.8	3.8	7.5	20.0	2.6	1.7	6.0	3.4	1.6	1.6	1.6	1.6	
13	0.8	0.8	10.0	1.5	1.5	0.5	2.7	1.9	1.0	3.7	6.8	2.1	2.1	6.8	2.1	1.7	1.7	2.2	2.0	1.5	1.5	1.5	1.5	
14	0.8	24.0	1.7	60.0	7.9	75.0	4.0	2.5	1.8	1.8	3.5	3.5	3.5	6.1	1.9	1.9	1.6	20.0	3.3	2.5	1.6	1.6	1.6	
15	0.8	0.9	0.9	3.6	7.5	5.3	3.1	2.3	2.3	1.7	1.7	3.4	3.4	5.4	2.5	2.0	1.6	2.0	2.3	1.4	1.4	1.4	1.4	
16	0.8	0.5	0.9	2.7	2.7	3.1	2.7	2.7	2.3	20.5	2.1	3.3	3.3	5.0	0.5	1.9	1.5	1.5	2.0	2.0	2.0	1.4	1.4	
17	0.8	2.0	0.9	2.3	19.5	2.8	1.8	196.0	30.3	4.7	1.8	1.8	30.3	4.7	1.8	1.8	5.0	28.5	3.0	1.3	1.3	1.3	1.3	
18	4.0	0.8	0.9	2.0	2.4	1.0	2.4	1.0	1.6	1.5	14.9	1.6	1.5	4.5	1.7	1.6	1.6	2.6	2.6	1.3	1.3	1.3	1.3	
19	11.0	1.2	0.8	1.9	2.3	2.2	2.2	1.6	2.2	1.6	11.8	1.8	1.8	4.2	1.7	1.7	1.5	3.0	2.2	1.3	1.3	1.3	1.3	
20	0.8	40.0	2.7	52.0	2.2	2.1	2.1	1.5	10.3	1.5	10.3	1.5	1.5	4.0	1.6	1.6	1.5	2.0	2.0	1.3	1.3	1.3	1.3	
21	3.0	0.8	1.2	3.6	74.0	5.4	5.4	3.7	2.0	39.5	3.7	2.0	9.5	3.9	1.6	1.6	1.4	1.5	1.8	1.2	1.2	1.2	1.2	
22	5.0	1.0	1.0	15.0	3.6	0.5	5.8	8.0	2.2	58.0	7.4	40.0	9.9	3.8	1.6	1.6	1.4	1.5	1.8	1.2	1.2	1.2	1.2	
23	10.0	1.2	71.0	6.8	3.2	3.2	3.2	3.2	3.0	5.0	5.6	33.0	11.9	3.6	1.5	1.5	1.4	6.0	2.0	1.2	1.2	1.2	1.2	
24	0.8	4.0	2.7	3.0	2.0	93.5	16.6	66.5	15.8	2.0	3.4	1.5	11.5	1.5	1.5	1.5	1.5	1.7	1.7	1.2	1.2	1.2	1.2	
25	0.8	12.0	2.6	9.5	28	23.0	3.6	4.0	2.0	8.6	2.0	13.3	3.3	3.3	1.5	1.5	1.4	15.0	2.5	1.2	1.2	1.2	1.2	
26	0.8	0.8	2.0	2.3	0.5	3.1	1.9	6.5	0.5	11.0	4.0	3.3	3.3	1.5	52.0	3.3	1.9	0.5	1.2	1.2	1.2	1.2	1.2	
27	0.8	12.5	2.0	2.2	2.2	2.7	1.8	5.3	1.8	1.8	5.3	16.0	9.8	3.1	1.4	1.4	0.5	1.9	1.7	1.2	1.2	1.2	1.2	
28	0.8	1.7	2.1	2.5	23.0	2.3	23.5	5.5	32.0	10.8	3.0	3.0	10.8	3.0	1.4	1.4	1.5	1.5	1.7	6.0	1.3	1.3	1.3	
29	0.5	0.8	2.0	2.3	9.5	2.6	2.5	4.7	1.5	9.7	2.9	21.0	2.2	2.9	2.2	0.5	1.5	10.5	1.7	1.2	1.2	1.2	1.2	
30	40.5	1.8	2.0	2.0	1.9	21.0	5.5	8.9	8.9	2.7	17.0	2.0	1.4	1.4	1.4	1.4	0.5	1.8	1.8	1.2	1.2	1.2	1.2	
31	61.5	5.7	1.0	1.9	1.8	1.8	8.1	30.5	3.6	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.1	1.1	1.1	1.1	
total	152.5	32.5	169.5	41.1	205.0	766	206.5	78.9	178.0	81.2	345.5	107.8	464.5	256.3	183.5	161.5	64.0	588	260.0	66.9	223.0	65.3	64.5	46.0

付表 - 8 . 樹芸 1 号沢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	1.1	18.0	1.6	7.5	4.1	2.5	3.5	8.7	5.5	2.8	0.5	1.5	2.2	3.0	2.2	21.5	3.3	3.0	2.2	21.5	3.3	1.9	4.5	1.1
2	1.1	2.5	1.3	7.5	3.8	18.5	4.5	8.0	5.0	0.5	2.7	1.4	3.9	5.0	2.7	1.6	1.4	3.5	1.6	1.4	1.9	5.0	3.9	
3	1.1		1.0		2.9		3.7	7.3	6.4		2.6		3.8	48.5	6.4		1.4	19.0	2.4	1.4	1.5	50.0	1.7	
4	0.5	1.1	1.0	5.0	2.6		3.4	6.5	9.5	1.0	2.5		3.7	24.5	9.5		1.4	19.0	2.4	1.4	1.5	50.0	1.7	
5	8.0	1.3	0.9	7.5	2.9	43.5	7.7	5.9	6.4		2.4		3.6	24.5	9.5		1.4	19.0	2.4	1.4	1.5	50.0	1.7	
6	1.1		0.9	41.5	5.9		6.6	5.5	5.6		2.3		3.5	24.5	9.5		1.4	19.0	2.4	1.4	1.5	50.0	1.7	
7	1.1		0.9	27.0	6.6	3.0	4.9	37.0	6.4		2.2		3.4	39.0	6.4		1.4	19.0	2.4	1.4	1.5	50.0	1.7	
8	1.1		1.0		5.6	0.5	4.1	5.7	6.4	13.0	2.3	16.5	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
9	1.0		1.1	3.5	4.4		3.9	5.0	8.0	3.0	5.0	3.0	1.5	25.5	1.9	1.3	7.5	1.8	1.3	7.5	1.8	1.3	7.5	1.8
10	1.0		1.1	1.5	3.9		3.9	0.5	4.6		3.3		3.2	9.8	1.5	3.3	8.9	1.4	68.5	8.9	1.2	1.2	1.4	1.4
11	1.0	12.5	1.3		3.2		3.7	5.0	4.5		2.7		3.7	2.0	8.1		1.4	68.5	8.9	1.2	1.2	1.4	1.4	1.4
12	12.0	1.4	3.0	1.0	3.0	39.5	5.0	0.5	4.3		3.5		3.7	0.5	7.4	22.0	3.5	1.3	0.5	2.1	1.3	1.3	1.3	1.3
13	1.1	1.5	0.9		2.9	6.5	6.1	4.0	1.5	3.7	20.5	7.5	3.0	3.0	3.0	1.3	1.3	0.5	2.1	1.3	1.3	1.3	1.3	
14	1.0	0.5	0.9		2.6		4.5	5.5	3.9	3.0	3.7	1.5	6.7	2.8	1.2	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	
15	1.0	24.5	1.8	4.5	2.7	4.0	4.1	3.6	26.5	4.5	4.0	6.2	2.6	2.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
16	1.0	5.5	1.4	71.0	12.0	12.0	4.1	3.5	26.0	7.2	5.6	1.9	2.5	23.5	1.9	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
17	1.0		1.1		6.2	8.5	4.2	3.4		4.1		5.2	0.5	2.4	1.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
18	1.0	8.5	1.3	1.5	4.6		3.8	3.3	77.0	11.0	4.9	2.2	2.2	1.3	1.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
19	1.0		1.0		4.1		3.7	7.5	3.4	23.5	14.9	4.6	2.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
20	0.5	1.0	1.0		3.9	16.0	4.2	90.0	13.6	10.0	9.6	4.2	2.0	2.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
21	11.0	1.3	0.9	13.5	4.3	0.5	4.0	7.1	35.0	14.6	4.0	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
22	1.0		0.9		3.6	50.0	7.2	5.4	35.0	16.7	3.7	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
23	1.0		0.9	0.5	3.5	6.5	8.4	51.0	7.5	80.0	38.8	3.5	1.8	13.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
24	1.0		0.9	34.0	4.7	2.5	6.0	12.5	9.7		3.3	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	1.0		0.9	26.5	7.1		5.1	8.3		n/a		3.1	1.7	0.5	1.1	4.5	1.6	12.5	1.5	1.4	1.4	1.4	1.4	1.4
26	0.9	73.5	4.0		5.8		4.8	6.7	0.5	8.5	3.0	1.7	1.7	22.0	1.5	0.5	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4
27	0.9	74.0	13.6		4.5	56.0	6.8	5.8	5.0	7.9	2.9	1.6	21.0	2.7	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
28	18.0	1.5	27.5	6.1	1.0	4.1	69.5	19.9	0.5	5.3	2.8	1.6	64.0	6.1	22.5	1.9	1.1	0.5	1.3	1.3	1.3	1.3	1.3	1.3
29	1.0			6.5	3.9	0.5	12.6	0.5	5.0	6.7	54.5	4.8	1.6	1.6	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
30	1.0			0.5	3.5		9.8	4.6	6.1	8.0	3.9	1.5	23.5	2.4	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
31	12.0	1.2			3.4			4.3			3.1	1.5	1.5	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
total	62.0	33.3	251.5	50.7	260.5	136.3	340.0	174.2	210.5	181.3	340.0	n/a	260.5	169.6	90.5	72.4	205.5	49.2	227.0	62.0	98.0	42.9	773.5	52.4

n/a

annual runoff:

annual precipitation: 2519.5

n/a : data not available

unit: mm/day

付表 - 8 . 樹芸 1 号沢流域の日降水量と日流出量（つづき）

JYUGEI_1GOSAWA 2011

unit: mm/day

annual precipitation: 2202.5

annual runoff:

1012.4

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	1.2		0.9	10.0	3.5	1.7	14.5	2.3	3.8	5.7	3.5	0.5	2.9	24.5	2.6	2.5	1.9	8.5	2.7					
2	1.1		0.9		2.3	1.7	1.7	2.0	46.5	5.7	3.4	0.5	2.9	23.0	3.0	2.4	1.9	1.5	2.6					
3	1.1		0.9		1.7	1.7	0.5	1.8	6.8	6.8	3.3		2.8	56.0	4.8	2.3	2.0	7.0	2.6					
4	0.5	1.1	0.8	1.0	1.6	1.6	2.0	1.9	5.1	5.1	3.2	31.0	3.5	21.0	9.4	2.2	2.0	2.4	2.4					
5	1.1		0.8		1.4	1.6	1.6	1.7	2.0	4.4	4.2	4.8	7.0	3.6	14.0	8.2	29.0	3.0	11.5	2.3	2.2	2.2		
6	1.1		0.8		1.4	1.6	1.6	1.7	3.9	3.9	3.3	5.0	3.3	2.9	4.7	4.0	28	17.5	2.5	12.5	2.6	2.6		
7	1.1		0.8	20.0	2.1	1.5	6.5	1.8	3.6	173.0	20.9		2.7	2.7	3.1	2.3	2.5	1.8	2.2	2.2	2.2	2.2	2.2	
8	1.1		6.0	0.9	1.5	1.6	1.6	1.6	1.5	3.4	1.0	13.3	2.6	2.6	2.7	2.1	0.5	1.8	11.0	2.5	2.5	2.5	2.5	
9	1.0		12.0	1.2	1.4	83.0	7.1	1.6	3.2	3.2	10.5	2.5	2.5	2.5	2.5	2.1	1.6	1.6	2.2	2.2	2.2	2.2	2.2	
10	1.0		0.9		1.3		3.9	1.7	0.5	3.1	9.1	2.4	2.4	2.3	2.3	2.1	2.5	1.6	0.5	2.1	2.1	2.1	2.1	
11	1.0		11.5	1.3	1.3		3.0	37.0	3.3	60.0	7.2	8.5	2.3	2.2	2.2	2.0	36.5	2.9	2.0	2.0	2.0	2.0	2.0	
12	1.0		13.5	1.3	1.3		2.7	17.5	4.1	1.5	4.9	7.8	2.2	2.2	2.2	2.0	2.2	2.2	1.9	1.9	1.9	1.9	1.9	
13	1.0		0.9		1.3		2.7	1.0	3.0	33.5	8.7	6.9	2.2	2.1	2.1	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	
14	1.0		7.5	1.0	1.3		2.7		2.2	6.6	6.2	6.2	2.1	2.0	1.5	1.9	1.8	3.5	2.0	2.0	2.0	2.0	2.0	
15	1.0		0.5	0.9	1.3	26.0	3.3	2.0	5.4	5.4	5.8	5.8	2.1	2.0	35.0	3.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	
16	1.0		0.8		1.1	18.0	5.2	1.9	23.5	5.6	5.3	2.0	10.0	2.3	28.0	4.8	1.6	1.6	1.6	1.6	1.6	1.6	1.6	
17	1.0		15.5	1.2	1.1		3.4	26.0	2.5	8.5	6.3	4.8	1.9	12.5	2.4	2.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5	
18	1.0		39.0	3.9	1.1	1.5	3.1	1.9	12.0	5.5	4.5	1.9	1.9	2.0	2.0	2.1	1.5	1.5	1.5	1.5	1.5	1.5	1.5	
19	0.9		1.3		1.1	3.0	3.0	1.8	8.0	6.1	27.0	5.2	1.8	0.5	2.0	1.9	149.5	13.6	1.7	1.7	1.7	1.7	1.7	
20	0.9		1.1		1.1	3.5	1.1	2.1	1.8	6.5	5.6	53.0	7.9	1.7	22.5	2.5	1.9	1.7	1.6	1.6	1.6	1.6	1.6	
21	0.9		1.0	19.5	1.6		1.4		1.7	27.0	7.7	5.1	4.5	1.9	103.5	5.8	4.0	1.8	5.6	5.6	5.6	5.6	5.6	
22	0.9		1.0	14.5	1.8		1.4		1.7	6.9	6.9	4.2	18.5	2.4	2.1	42.0	3.9	4.2	1.6	1.6	1.6	1.6	1.6	
23	0.9		1.0	1.5	1.4	68.5	4.8	6.0	1.7	0.5	5.9	3.9	13.5	2.5	3.9	18.5	5.0	2.5	3.8	3.8	3.8	3.8	3.8	
24	0.9		13.5	1.3	3.0	1.3	0.5	5.0	15.5	2.0	5.4	3.6	24.5	2.8	3.3	2.9	3.4	1.5	1.5	1.5	1.5	1.5	1.5	
25	0.9		1.0	5.5	1.4		2.8		1.6	5.1	5.1	3.5	10.5	2.9	3.0	2.4	3.2	1.5	1.5	1.5	1.5	1.5	1.5	
26	0.9		0.9		1.3		2.3		1.6	4.7	28.5	4.6	2.0	4.0	3.0	2.3	3.0	1.5	1.5	1.5	1.5	1.5	1.5	
27	0.9		0.9		1.2	1.0	2.2	5.0	1.6	4.4	3.0	3.7	12.5	2.6	3.5	2.9	2.2	2.9	1.4	1.4	1.4	1.4	1.4	
28	0.9		86.5	7.7	1.2	18.5	2.9	44.0	3.0	4.2	4.2	3.5	2.0	2.7	2.7	2.1	2.8	2.8	1.4	1.4	1.4	1.4	1.4	
29	0.9				1.2		2.0	56.0	8.2	4.0	0.5	3.3	1.9	2.6	2.6	2.0	0.5	2.8	1.4	1.4	1.4	1.4	1.4	
30	0.9				1.5		1.9	25.0	9.8	3.7	7.5	3.3	1.7	2.6	2.6	1.9	2.7	1.4	1.4	1.4	1.4	1.4	1.4	
31	0.9				1.5		5.2		5.2	0.5	3.1	12.5	1.9	1.9	1.9	0.5	1.9	1.4	1.4	1.4	1.4	1.4	1.4	
total	0.5	30.6	205.5	37.4	78.5	45.6	220.0	81.9	264.5	80.7	231.5	156.9	341.0	180.0	135.5	73.6	295.0	96.9	162.5	76.0	223.5	94.3	44.5	58.5

付表 - 9 . 樹芸 2 号沢流域の日降水量と日流出量

JYUGEI_2GOSAWA 2003

unit: mm/day

n/a : data not available

annual precipitation: 2533.2

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	0.5	n/a	n/a	n/a	99.5	n/a	n/a	n/a	n/a	n/a	8.0	n/a	3.0	n/a	9.3	9.7	0.5	4.2	2.2	9.0	2.4	17.5	28.7	
2	n/a	n/a	3.0	n/a	n/a	n/a	8.0	n/a	0.5	30.8	n/a	n/a	0.5	n/a	n/a	8.3	n/a	4.1	2.2	2.2	2.3	18.1		
3	39.5	n/a	2.0	n/a	13.0	n/a	n/a	n/a	122.3	n/a	n/a	n/a	14.5	n/a	n/a	7.1	n/a	3.9	2.1	36.0	3.3	12.9		
4	1.5	n/a	0.5	n/a	n/a	n/a	1.0	n/a	n/a	121.3	8.5	n/a	54.0	n/a	n/a	6.4	n/a	3.7	2.1	0.5	2.9	9.8		
5	n/a	n/a	1.0	n/a	n/a	n/a	28.5	n/a	n/a	n/a	0.5	n/a	n/a	n/a	2.0	6.0	n/a	3.4	2.2	49.0	3.2	2.5	7.9	
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	5.6	n/a	3.3	2.2	14.0	6.1	8.0	7.0	
7	n/a	n/a	n/a	n/a	24.0	n/a	n/a	n/a	8.5	n/a	n/a	n/a	29.7	n/a	n/a	5.1	n/a	3.2	1.0	1.7	3.8	5.9		
8	n/a	n/a	21.5	n/a	0.5	n/a	55.0	n/a	19.5	n/a	n/a	n/a	9.5	n/a	7.5	5.0	n/a	3.2	1.8	5.5	3.3	5.2		
9	n/a	n/a	31.0	n/a	10.5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	57.0	10.9	n/a	3.2	1.7	5.5	3.1	4.7		
10	n/a	n/a	3.0	n/a	1.0	n/a	n/a	n/a	n/a	n/a	7.5	n/a	11.5	n/a	n/a	11.5	1.0	3.3	1.8	12.0	2.9	4.3		
11	n/a	n/a	2.0	n/a	2.0	n/a	n/a	n/a	6.0	n/a	8.5	n/a	13.1	n/a	n/a	8.9	n/a	3.4	8.0	2.0	16.5	3.3	1.0	4.1
12	n/a	n/a	n/a	n/a	n/a	n/a	31.5	n/a	4.0	n/a	4.0	n/a	3.4	n/a	4.8	7.7	n/a	3.1	28.5	3.1	0.5	3.1	10.0	4.1
13	n/a	n/a	n/a	n/a	n/a	n/a	0.5	n/a	n/a	n/a	7.0	n/a	27.9	n/a	n/a	6.4	n/a	2.7	2.5	2.2	3.5	3.0	3.7	
14	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	13.0	n/a	8.5	n/a	17.0	n/a	68.0	8.1	n/a	2.5	26.0	2.4	2.9	n/a	3.4	
15	n/a	n/a	n/a	n/a	5.5	n/a	2.5	n/a	26.5	3.0	n/a	n/a	1.0	n/a	209.5	121.3	n/a	2.5	6.5	3.2	42.5	3.5	3.3	
16	n/a	n/a	11.0	n/a	14.5	n/a	0.5	n/a	8.0	3.7	4.0	n/a	0.8	n/a	48.5	86.4	n/a	2.5	2.2	2.2	9.0	7.1	3.1	
17	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	3.7	10.0	0.2	n/a	4.0	38.9	n/a	2.3	2.3	2.4	n/a	n/a	3.0	
18	n/a	n/a	10.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a	3.5	13.5	1.9	n/a	0.5	22.7	n/a	2.3	3.5	2.2	4.3	2.9	2.9	
19	5.5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	9.5	3.4	4.0	3.5	n/a	n/a	n/a	16.1	n/a	2.5	0.5	2.1	10.5	4.1	2.9	
20	1.5	n/a	n/a	n/a	n/a	n/a	3.0	n/a	26.5	4.5	4.5	3.6	4.7	1.8	12.4	34.5	3.0	1.8	1.8	29.0	4.1	2.8		
21	n/a	n/a	n/a	n/a	n/a	n/a	15.0	n/a	0.5	5.4	0.7	34.6	6.4	n/a	10.0	53.5	5.1	1.6	7.0	5.6	2.8	2.8		
22	46.0	n/a	11.0	n/a	1.5	n/a	n/a	n/a	n/a	n/a	4.3	1.5	n/a	0.2	8.5	n/a	2.9	15.5	2.3	n/a	4.8	2.8	2.8	
23	n/a	n/a	1.5	n/a	n/a	n/a	1.0	n/a	n/a	n/a	2.0	n/a	4.7	4.5	7.4	n/a	2.4	1.8	n/a	4.3	n/a	n/a	n/a	
24	n/a	n/a	6.0	n/a	6.0	n/a	17.0	n/a	n/a	n/a	3.6	22.0	72.0	35.3	n/a	6.5	3.0	2.3	1.7	4.0	2.3	2.8	2.8	
25	n/a	n/a	0.5	n/a	35.5	n/a	7.5	n/a	n/a	n/a	3.3	13.0	4.2	20.8	1.5	5.8	1.0	2.3	1.7	27.0	4.4	2.8	2.8	
26	n/a	n/a	n/a	n/a	9.0	n/a	n/a	n/a	1.0	3.1	n/a	7.7	13.1	0.5	5.4	1.5	2.3	1.7	n/a	4.0	4.0	3.0	3.0	
27	80.5	n/a	n/a	n/a	1.0	n/a	n/a	n/a	6.0	3.0	0.5	n/a	9.7	32.5	6.5	n/a	2.3	1.6	n/a	3.8	n/a	3.2	3.2	
28	0.5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	2.8	3.5	3.5	n/a	8.6	5.0	n/a	5.0	2.2	13.5	1.9	n/a	3.7	3.1	3.1	
29	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	2.6	n/a	0.3	5.3	7.4	n/a	4.7	n/a	2.1	1.7	13.5	3.7	n/a	2.9	2.9	
30	n/a	n/a	n/a	n/a	10.5	n/a	n/a	n/a	1.2	n/a	n/a	36.8	8.4	n/a	3.9	n/a	2.0	1.6	151.5	28.9	n/a	2.8	2.8	
31	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	109.5	n/a	n/a	8.9	n/a	n/a	4.0	n/a	2.0	1.6	n/a	1.6	n/a	1.5	2.7	
total	175.5	n/a	104.0	n/a	225.5	n/a	181.5	n/a	239.0	n/a	126.5	10.2	358.1	n/a	445.6	472.2	95.0	88.2	105.5	62.8	436.5	141.0	40.5	169.5

付表 - 9 . 樹芸 2 号沢流域の日降水量と日流出量（つづき）

JYUGEI_2GOSAWA 2004

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

annual precipitation: 2235.5

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	3.8	2.1	3.5	1.7	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.3	0.5	4.3	1.8	1.8	5.0	5.0	18.0	5.9	8.0	
2	3.6	63.0	4.3	0.5	1.6	2.0	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.0	4.0	2.1	2.1	4.3	4.3	6.6	6.6	7.6	
3	4.0	2.2	2.2	1.6	2.3	0.5	1.4	2.3	0.5	1.4	2.1	2.1	2.1	2.1	0.5	3.6	2.0	2.0	80.0	14.5	6.5	6.5	6.8	
4	4.6	2.1	4.0	1.5	12.0	2.5	13.5	1.0	2.1	2.1	2.1	2.0	2.0	2.0	5.5	3.2	48.5	4.7	7.5	22.9	6.7	34.5	6.2	
5	3.3	2.0	2.0	1.8	0.5	2.2	6.5	1.4	2.1	2.1	2.1	2.5	2.0	2.0	27.5	5.3	2.0	4.7	40.0	21.2	5.7	20.0	10.1	
6	2.5	2.2	8.0	2.0	2.0	1.8	1.8	1.5	1.5	32.0	2.8	27.5	3.0	6.4	12.5	3.6	6.4	12.5	24.0	24.0	5.3	5.3	10.2	
7	2.3	2.2	2.2	2.2	2.2	1.6	1.6	2.2	2.2	1.2	40.5	7.1	2.1	5.3	6.0	2.9	5.3	6.0	15.7	15.7	5.7	5.7	8.4	
8	2.3	2.0	2.0	2.2	2.7	2.7	2.7	2.1	2.1	1.1	2.5	6.6	2.1	4.1	12.0	3.8	6.0	6.0	67.0	14.1	5.7	5.7	8.4	
9	2.4	1.8	1.9	1.9	3.1	19.0	1.0	37.0	8.4	8.0	8.0	2.0	2.0	3.4	13.5	5.3	114.0	73.7	73.7	73.7	5.5	5.5	8.9	
10	2.0	2.0	2.0	1.8	2.0	2.5	38.5	3.4	14.8	27.5	3.2	2.9	8.0	5.3	1.5	56.3	5.0	5.0	56.3	5.0	5.0	5.0	8.4	
11	2.2	1.5	1.5	1.3	2.4	2.4	2.4	3.1	3.1	23.0	12.4	3.1	3.1	2.8	0.5	5.7	8.5	25.1	25.1	5.5	4.1	7.9		
12	1.5	2.2	1.5	10.0	2.0	2.1	2.8	3.0	12.3	2.6	5.0	2.6	2.6	5.4	22.0	15.0	41.0	69	0.5	7.4	7.3	2.5	7.0	
13	10.5	2.2	1.5	1.7	2.2	1.8	1.8	2.2	2.2	12.0	2.2	2.2	2.2	5.0	21.0	17.5	17.5	17.5	17.5	17.5	7.3	2.5	7.0	
14	2.5	3.0	1.2	1.6	5.0	2.0	31.0	4.8	9.9	2.0	2.0	2.0	2.0	4.2	4.2	16.5	16.5	16.5	16.5	16.5	6.0	6.0	7.7	
15	2.7	1.5	0.5	1.5	1.5	4.3	8.2	2.1	8.2	2.3	2.3	2.3	2.3	5.8	5.8	12.5	12.5	12.5	12.5	12.5	9.8	2.0	6.6	
16	2.9	1.8	1.6	1.6	2.0	31.0	5.0	7.7	5.0	7.7	1.9	1.9	1.9	2.2	2.2	5.7	5.7	5.7	5.7	5.7	12.0	12.0	6.4	
17	3.5	2.7	1.4	1.3	1.3	1.9	5.0	7.7	5.9	1.8	79.5	6.2	1.0	4.4	4.4	7.5	7.5	7.5	7.5	7.5	10.6	10.6	7.1	
18	2.4	1.6	8.5	1.5	1.5	1.9	2.0	7.7	5.4	5.4	5.4	1.7	1.7	3.6	2.0	4.0	4.0	4.0	4.0	4.0	18.5	9.1	6.4	
19	7.5	2.1	1.6	1.8	11.5	1.7	18.0	6.0	5.1	5.1	5.1	1.7	1.7	3.0	7.5	4.0	38.0	4.4	38.0	4.4	12.5	8.9	2.5	
20	2.5	1.8	10.5	1.7	25.5	2.1	23.5	6.2	4.5	4.3	4.3	1.6	1.6	3.2	25.0	5.2	107.5	24.9	107.5	24.9	10.3	0.5	5.2	
21	0.5	2.2	1.2	1.8	1.8	1.8	15.0	9.5	5.3	29.0	5.3	11.5	1.6	4.3	9.5	3.7	33.9	33.9	33.9	33.9	10.9	10.9	6.1	
22	2.5	9.5	1.1	15.5	1.5	1.6	0.5	9.1	3.5	5.3	3.5	1.5	1.5	4.1	1.5	3.3	3.3	3.3	3.3	3.3	10.7	10.7	8.7	
23	2.3	15.5	2.2	0.5	1.7	2.0	1.5	13.5	6.8	5.1	5.1	1.5	1.5	4.0	3.9	3.6	3.6	3.6	3.6	3.6	9.5	9.5	9.5	
24	1.8	1.6	1.0	1.4	1.4	1.4	1.4	1.4	5.3	4.9	4.9	1.4	1.4	10.0	3.0	2.5	3.7	11.8	11.8	11.8	8.6	8.6	8.6	
25	2.3	1.1	2.5	1.2	2.2	2.2	2.2	4.5	27.5	5.7	1.0	1.4	1.4	3.4	3.0	3.5	3.5	3.5	3.5	3.5	8.6	0.5	8.6	
26	2.4	1.2	9.5	1.6	1.6	2.0	2.0	3.8	2.7	65.5	4.1	3.3	0.5	3.6	9.0	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	
27	1.9	1.6	1.6	1.5	74.0	4.6	3.1	3.1	2.6	2.6	2.6	1.7	1.7	3.0	11.0	4.2	1.0	8.3	8.3	8.3	5.5	7.8	7.8	
28	2.0	1.7	1.4	1.4	4.9	2.4	4.9	2.4	2.5	2.5	2.5	1.5	1.5	3.3	4.6	4.6	4.6	4.6	4.6	4.6	8.0	8.0	8.0	
29	1.9	10.0	1.4	1.3	3.8	2.0	13.5	2.7	9.5	1.6	9.0	3.1	1.5	3.6	3.6	3.6	3.6	3.6	3.6	3.6	8.2	9.0	8.2	
30	2.0	89.0	6.9	3.1	5.5	1.9	0.5	2.5	2.8	0.5	1.8	22.5	4.6	7.0	4.4	4.4	4.4	4.4	4.4	4.4	8.0	8.0	8.0	
31	2.1	1.0	6.7	6.0	1.7	17.5	2.2	0.5	1.3	33.5	5.8	33.5	5.8	33.5	5.8	33.5	5.8	33.5	5.8	33.5	5.8	34.5	1.8	
total	23.5	78.6	101.0	51.4	164.5	61.3	139.5	70.8	230.5	116.2	223.0	n/a	198.5	64.2	159.5	107.0	192.5	124.7	557.5	518.5	139.0	231.0	106.5	233.7

付表 - 9 . 樹芸 2 号沢流域の日降水量と日流出量 (つづき)

JYUGEI_2GOSAWA 2005

unit: mm/day

annual precipitation: 1929.0

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	1.8		1.2	1.1					n/a	13.5	3.1	1.7	11.0	4.1	1.0	5.5	5.4		2.1	2.0				1.7
2	1.6		1.2	1.1					n/a	38.0	7.0	39.0	2.5	3.7	7.0	5.0	4.8		2.1	1.8				1.7
3	1.6		1.2	1.1	2.0	1.1			n/a		4.7	3.0	2.8	0.5	3.5	n/a	4.3		2.1	1.5	1.8			1.6
4	22.5	2.2	1.2	1.4	15.0	1.4	35.5		n/a	4.2	4.2	2.0	53.0	7.6	4.0	0.5	4.0		2.1	1.8	5.5	1.7		1.7
5	1.0	1.7	1.2	1.0	1.2	1.2			n/a	3.9	3.9	1.9	1.9	6.2	3.8	49.5	5.7	18.0	2.3	1.8	0.5	1.8		1.8
6	4.0	1.7	1.2	1.1	1.2	1.1			n/a	14.5	3.8	1.8	2.5	5.6	3.6	0.5	4.8	3.5	2.4	80.5	4.8	3.5	1.9	1.9
7	1.6		1.2	1.1					n/a	9.0	3.7	1.7	1.7	5.0	3.4	21.0	5.0	25.5	2.7	4.5	5.0	1.0	1.7	
8	1.6	6.5	1.3	1.1					n/a		3.3	1.7	1.7	4.5	3.2	3.2	4.6	10.5	3.0	2.7	2.7		1.6	
9	1.5	0.5	1.2	1.1					n/a		3.2	1.0	1.7	41.5	5.4	3.1	4.2	8.5	2.4	2.4	2.4		1.6	
10	1.5	21.5	1.8	1.1					n/a	1.8	3.0	1.7	3.0	10.7	3.0	3.0	3.9	1.5	2.2	2.2	2.2		1.6	
11	1.5		1.2	1.2	38.5	2.1	81.5	n/a	n/a	2.8	18.0	2.1	2.1	8.6	2.8	2.8	3.7	0.5	2.0	2.2	2.2		1.6	
12	1.5		1.2	1.5	4.5	1.5	4.5	2.8	5.5	2.8	2.8	1.9	1.9	7.0	2.8	1.0	3.5	1.9	11.5	2.3	2.3		1.6	
13	1.5		1.2	1.2	1.5	1.2	1.5	1.0	1.0	2.7	2.7	1.7	1.7	6.0	2.7	2.7	3.3	1.9	1.9	2.1	2.1		1.5	
14	1.4		1.2	1.2					n/a		2.5	1.7	4.5	5.4	2.5	2.5	3.2		1.9	2.0	2.0		1.5	
15	15.5	1.7	1.2	1.1					n/a	6.5	2.5	15.5	1.9	4.8	2.4	2.4	3.1	39.0	3.0	2.0	2.0		1.6	
16	2.0	1.7	8.0	1.2	4.0	n/a			n/a	2.4	46.0	4.3		4.3	2.4	2.4	2.9	9.0	3.3	1.9	1.9		1.6	
17	1.6	3.5	1.2	36.5	n/a				n/a		2.3	1.0	3.5	4.0	2.3	2.3	2.8	7.5	2.3	1.9	1.9		1.6	
18	1.7	3.5	1.2	0.5	n/a				n/a	2.2	2.2	3.0	3.0	3.8	0.5	2.2	2.7	44.5	4.8	1.8	1.8		1.5	
19	1.5	10.0	1.3	n/a	5.0	n/a	2.5	5.0	9.5	2.4	2.7	2.7	2.7	3.5	5.5	2.3	2.7	0.5	3.7	1.8	1.8		1.5	
20	1.4	0.5	1.2	n/a	70.5	n/a	n/a	70.5	n/a	2.1	10.0	2.6	2.6	3.3	2.2	2.2	2.7	2.8	2.8	1.8	1.8		1.6	
21	1.3		1.1	n/a					n/a	2.1	1.0	2.3	2.3	3.2	0.5	2.1	2.6		2.4	1.8	1.0		1.6	
22	2.5	1.3	1.1	45.0	n/a	1.1	45.0	n/a	8.9	1.5	2.0	126.0	37.7	3.0	29.5	3.3	2.5	2.3	2.3	1.8	1.8		1.5	
23	1.3		1.1	15.5	n/a	1.1	15.5	n/a	6.8	2.0	11.5	21.5	6.0	3.1	9.0	2.3	2.4	2.4	2.2	1.7	1.7		1.5	
24	1.3	11.0	1.1	3.0	n/a				n/a	5.6	1.9	13.6		2.8	2.1	2.1	7.5	2.4	2.2	1.7	1.7		1.5	
25	0.5	1.3	10.0	1.4	n/a	0.5	4.9	1.9	1.9	4.9	1.9	9.9	12.0	2.9	235.5	32.8	6.5	2.5	2.2	1.7	1.7		1.5	
26	5.5	1.4	1.2	n/a	5.0	4.5	1.8	5.0	4.5	1.8	7.6	7.6	126.0	33.6	12.0	54.3	2.0	2.3	2.2	1.7	1.7		1.5	
27	1.3	1.0	1.1	n/a					n/a	3.9	1.8	6.3	0.5	25.0	22.6	0.5	2.3	4.0	2.3	1.7	1.7		1.6	
28	1.3		1.1	48.0	n/a				n/a	3.6	1.8	5.4		14.2	13.7	0.5	2.2	2.3	2.3	1.7	1.7		1.6	
29	6.0	1.3							n/a	3.4	1.7	4.8	3.4	10.1	9.8	2.1	2.1	5.0	2.4	2.4	2.4		1.7	
30	0.5	1.3							n/a	3.1	24.0	1.9	3.0	4.3	7.8	5.0	7.6	2.1	2.4	1.7	1.7		1.8	
31	1.3								n/a	9.5	2.2			6.3	6.3		2.1	2.3	2.3				1.8	
total	60.0	46.7	76.0	34.0	209.0	n/a	206.5	n/a	132.5	85.7	275.0	158.3	260.5	219.0	305.5	n/a	89.5	100.7	177.5	76.2	125.5	64.0	11.5	50.0

付表 - 9 . 樹芸 2 号沢流域の日降水量と日流出量（つづき）

JYUGEI 2GOSAWA 2006

unit: mm/day

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	1.8	2.0	81.5	n/a	44.5	11.6	2.6	3.0	3.0	3.7	5.5	3.1	4.8	2.5	3.9	5.3	n/a	4.2	21.5	1.8	1.2	1.2	1.1	1.1
2	6.0	2.0	n/a	n/a	14.3	30.5	3.7	5.5	3.1	4.8	2.7	4.5	3.7	3.7	4.9	4.9	n/a	2.7	3.5	1.7	1.2	1.2	1.1	
3	0.5	2.2	n/a	n/a	11.1	3.2	3.2	2.7	2.7	3.5	3.5	2.7	4.5	3.5	4.6	40.0	2.5	0.5	1.5	1.5	1.2	1.2	1.1	
4	2.2	2.0	2.0	n/a	8.4	3.5	3.0	3.0	2.7	4.2	4.0	2.7	4.2	3.4	4.3	4.3	2.3	7.0	1.5	1.2	1.2	1.1	1.1	
5	2.0	1.7	1.0	n/a	6.8	23.0	3.9	2.6	2.6	4.0	105.5	12.5	4.1	2.3	4.1	2.3	7.5	1.4	1.2	1.2	1.2	1.1	1.1	
6	3.0	1.5	0.5	n/a	6.5	5.9	3.7	2.5	2.5	3.8	55.0	30.8	3.9	3.9	3.9	2.5	2.2	46.0	2.9	11.5	1.2	1.2	1.1	
7	1.0	1.4	5.0	n/a	5.2	5.2	3.6	60.5	5.0	3.6	7.0	21.8	3.8	2.1	3.8	2.1	1.7	18.0	2.0	2.0	1.2	1.1	1.1	
8	1.4	1.4	n/a	n/a	4.6	4.1	3.5	31.5	13.4	3.5	13.5	15.1	188.5	19.0	2.1	1.5	1.5	1.5	1.5	1.5	1.5	0.5	1.1	
9	1.5	1.4	n/a	n/a	4.1	4.1	3.3	4.0	13.3	3.9	22.5	13.4	96.0	115.5	2.0	2.0	1.4	1.4	1.4	1.6	1.6	6.5	1.1	
10	0.5	1.4	n/a	n/a	7.5	3.9	3.1	2.5	10.2	3.3	12.7	12.7	41.1	2.0	2.0	1.4	1.4	1.4	1.4	1.5	1.5	1.1	1.1	
11	1.4	1.4	n/a	n/a	3.6	84.0	6.1	39.5	19.2	19.5	3.7	4.5	11.3	22.1	19.9	0.5	1.4	38.5	2.5	2.5	2.5	1.0	1.0	
12	1.4	1.4	n/a	n/a	3.4	112.5	69.3	18.7	18.7	3.2	0.5	9.6	15.0	15.0	1.9	0.5	1.4	1.4	1.4	1.6	1.6	0.5	1.0	
13	1.4	1.4	n/a	n/a	3.1	28.6	52.0	15.9	3.5	3.2	8.3	8.3	11.6	18	1.8	1.8	1.3	1.3	1.3	1.3	1.3	5.0	1.1	
14	94.5	6.5	n/a	n/a	3.0	17.0	2.0	21.1	3.0	7.2	7.2	7.2	9.5	0.5	1.8	1.3	6.0	1.3	6.0	1.3	6.0	1.3	8.5	1.1
15	2.6	2.5	n/a	n/a	2.9	11.8	11.8	15.7	32.5	3.7	6.4	0.4	8.0	1.7	1.7	1.3	1.3	1.3	1.3	1.3	1.3	5.0	1.3	
16	2.0	1.8	32.5	3.3	35.5	3.8	2.0	9.4	11.8	86.0	36.8	5.8	14.0	6.6	1.7	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1
17	2.0	1.7	0.5	2.2	3.5	3.5	7.4	5.5	9.4	29.5	20.3	1.0	5.3	50.0	7.0	1.8	1.8	1.2	1.2	1.2	1.2	3.0	1.1	1.1
18	n/a	n/a	2.0	2.0	4.5	3.1	6.2	4.5	7.9	16.0	23.8	15.5	5.4	n/a	6.2	12.5	2.3	1.2	1.2	1.2	1.1	1.1	1.1	1.1
19	n/a	n/a	2.0	7.0	7.0	3.3	5.0	5.6	4.0	6.8	18.8	30.5	7.5	n/a	5.1	0.5	2.0	1.2	1.2	1.2	1.2	1.2	1.1	1.1
20	n/a	n/a	7.0	2.0	2.8	14.5	5.6	14.5	7.2	7.2	13.9	4.0	6.7	2.5	4.6	1.8	1.8	1.2	1.2	1.2	1.2	1.2	1.1	1.1
21	16.5	n/a	0.5	2.0	2.7	4.7	4.7	6.4	6.4	10.8	11.0	6.5	4.2	4.2	1.6	1.6	1.6	1.2	1.2	1.2	1.3	1.3	1.1	1.1
22	4.5	n/a	n/a	1.9	10.0	2.7	4.3	4.3	5.9	2.0	8.7	0.5	6.0	3.9	3.9	1.6	1.6	13.0	1.4	1.2	1.2	1.2	1.0	1.0
23	n/a	n/a	n/a	1.9	24.0	4.4	3.0	4.1	16.0	5.8	2.5	7.4	62.0	22.2	3.6	1.5	37.5	3.1	14.0	1.3	1.2	1.2	1.1	1.1
24	n/a	n/a	14.5	1.9	3.6	0.5	3.8	0.5	3.8	1.0	5.6	0.5	6.4	3.0	3.4	1.5	10.0	1.6	7.0	1.6	1.2	1.2	1.1	1.1
25	n/a	n/a	n/a	1.8	n/a	3.4	3.6	2.5	5.0	0.5	5.7	6.0	13.9	3.2	3.2	1.5	1.5	1.4	1.4	1.4	1.2	2.0	1.0	1.0
26	n/a	n/a	114.5	20.0	0.5	3.2	3.4	4.6	16.5	5.7	11.5	11.5	3.0	3.5	3.0	3.5	1.5	1.3	3.5	1.2	1.2	2.0	2.0	
27	n/a	n/a	22.4	20.0	3.1	11.0	3.6	29.5	5.3	4.9	9.8	4.9	9.8	2.9	8.0	1.6	1.6	1.3	1.3	1.3	1.3	10.0	4.8	4.8
28	n/a	n/a	1.0	11.9	11.5	3.2	3.0	7.4	4.5	8.4	8.5	2.8	8.4	8.5	2.8	1.5	9.0	1.3	1.3	1.3	1.3	1.4	1.4	1.4
29	n/a	n/a	n/a	n/a	3.0	4.5	3.2	2.5	7.2	7.2	4.2	4.2	2.7	2.7	1.5	0.5	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.2
30	n/a	n/a	n/a	n/a	2.8	3.0	3.0	6.4	6.4	4.0	6.4	6.4	2.6	1.0	1.5	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1
31	10.0	n/a	n/a	n/a	2.6	2.6	5.8	5.8	5.8	1.5	5.8	5.8	2.5	2.5	2.5	2.5	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1
total	144.0	n/a	263.0	n/a	151.5	143.1	295.0	237.5	280.5	257.6	226.5	233.5	340.0	309.4	n/a	337.0	n/a	58.4	157.0	45.8	138.5	41.2	112.5	39.1

付表 - 9 . 樹芸 2 号沢流域の日降水量と日流出量 (つづき)

JYUGEI_2GOSAWA 2007

unit: mm/day

n/a : data not available

annual precipitation: 2323.0

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	1.1	1.0	1.0	9.0	2.2	19.0	2.7	4.1	2.4	3.6	1.3	2.2	2.0	3.7	1.2	2.1	2.0	3.3	2.2	2.0	2.0	3.7	1.2	1.2
2	3.0	1.1	1.0	0.5	1.9	0.5	2.4	3.7	1.5	2.4	5.0	3.4	3.7	1.5	2.4	5.0	3.4	1.2	2.1	2.1	1.0	3.3	1.2	1.2
3		1.1	1.0	1.0	0.5	1.8	2.2	3.4	2.5	2.3	3.2	3.2	3.4	2.5	2.3	3.2	3.2	1.2	2.0	2.0	3.0	2.0	3.0	1.7
4		1.1	1.0	1.0	1.0	1.7	2.1	3.1	18.5	2.7	3.0	3.0	3.1	18.5	2.7	3.0	3.0	1.2	1.9	1.9	5.0	2.5	2.7	1.2
5		1.0	1.0	1.0	1.2	1.6	2.0	2.9	3.0	2.7	2.8	3.5	2.9	3.0	2.7	2.8	3.5	1.2	1.8	1.8	5.0	2.5	2.5	1.2
6	28.0	1.6	1.0	1.0	1.6	41.5	3.9	2.8	2.8	2.3	2.6	211.0	2.8	2.8	2.3	2.6	211.0	31.4	1.7	1.7	0.5	2.5	1.2	1.2
7		1.3	1.0	1.0	1.7	0.5	3.4	2.7	1.5	2.2	2.4	45.5	2.7	1.5	2.2	2.4	45.5	73.9	1.7	1.7	0.5	2.3	1.1	1.1
8		1.3	1.0	1.0	0.5	1.6	3.2	2.6	2.1	2.1	2.3	2.3	2.6	2.1	2.1	2.3	2.3	26.1	75.5	7.2	2.2	2.2	1.1	1.1
9		0.5	1.0	1.0	1.5	1.5	2.9	2.6	2.0	2.0	2.2	19.0	2.6	2.0	2.2	19.0	14.5	1.0	3.1	3.1	1.5	2.1	1.1	1.1
10		1.6	1.0	1.0	1.0	4.0	2.8	3.3	63.5	4.7	2.1	53.5	3.3	63.5	4.7	2.1	53.5	23.0	2.4	2.4	2.0	2.0	1.1	1.1
11		1.7	0.9	0.9	1.4	1.4	2.5	2.5	151.0	62.4	2.0	7.0	2.5	151.0	62.4	2.0	7.0	19.8	2.1	2.1	2.0	2.0	5.0	1.2
12		1.6	0.9	0.9	1.4	1.4	2.4	2.3	11.5	30.8	1.9	52.5	2.3	11.5	30.8	1.9	52.5	33.0	2.0	2.0	1.9	1.9	1.0	1.1
13		1.6	0.9	0.9	1.2	1.2	2.3	2.3	8.0	18.2	1.9	0.5	2.3	8.0	18.2	1.9	0.5	21.9	1.9	1.9	1.8	1.8	2.0	1.2
14		1.7	23.5	1.3	1.1	46.0	4.2	2.1	49.5	4.2	118.0	35.7	4.2	118.0	35.7	3.0	1.9	14.0	2.5	1.8	1.7	1.7	1.1	1.1
15		1.7	1.3	1.3	5.5	1.1	2.1	4.2	63.0	79.7	1.8	3.0	4.2	63.0	79.7	1.8	3.0	10.3	1.8	1.8	1.7	1.7	1.1	1.1
16	0.5	1.7	1.2	1.2	1.0	1.2	1.9	3.5	0.5	39.1	1.7	0.5	3.5	0.5	39.1	1.7	0.5	7.9	1.7	1.7	1.6	1.6	1.0	1.0
17	6.0	2.1	4.5	1.3	1.1	9.5	2.7	3.1	37.0	25.1	1.7	5.0	3.1	37.0	25.1	1.7	5.0	6.5	1.7	1.7	1.7	1.6	1.0	1.0
18		1.6	36.0	2.1	1.2	8.0	2.3	2.1	8.0	9.0	19.8	1.6	3.0	9.0	19.8	1.6	5.4	5.4	1.6	1.6	1.5	1.5	1.0	1.0
19		1.0	4.0	1.3	1.1	3.0	2.2	2.7	3.5	2.0	2.7	13.6	2.7	3.5	2.0	1.6	4.6	11.0	1.7	0.5	1.5	1.5	1.0	1.0
20	0.5	1.0	1.1	1.0	2.1	2.1	1.9	2.6	2.1	9.7	1.5	1.5	2.6	2.1	9.7	1.5	4.1	4.1	1.6	1.6	1.5	1.5	1.0	1.0
21	10.0	1.1	1.1	1.0	2.5	2.1	1.8	2.5	35.0	8.7	1.5	3.7	2.5	35.0	8.7	1.5	3.7	3.7	1.5	1.5	1.4	1.4	1.0	1.0
22	9.0	1.3	3.0	1.0	1.0	2.0	1.8	1.8	20.5	10.1	1.5	1.5	1.8	20.5	10.1	1.5	3.4	3.4	1.5	1.5	1.4	1.4	1.1	1.1
23		1.1	17.5	1.5	1.0	2.0	2.0	1.8	2.8	2.8	3.1	2.6	2.8	2.8	3.1	2.6	3.1	3.1	1.5	1.5	1.3	1.3	1.3	1.3
24		1.0	n/a	1.0	2.5	1.8	1.7	21.5	2.9	7.6	0.5	1.7	7.6	0.5	1.7	2.9	2.9	3.1	1.4	1.4	1.3	1.3	1.0	1.0
25		1.0	n/a	1.0	37.5	4.4	133.0	15.7	7.0	3.4	6.2	1.5	3.4	7.0	3.4	1.5	1.0	2.8	1.4	1.4	1.3	1.3	1.0	1.0
26	5.5	1.1	1.1	n/a	4.8	3.7	22.6	3.0	3.7	5.4	3.0	1.4	3.0	3.7	5.4	3.0	2.5	21.5	1.9	1.9	1.3	1.3	1.0	1.0
27	0.5	1.1	9.5	1.0	6.5	3.4	11.4	2.8	2.8	4.7	1.4	0.5	2.8	2.8	4.7	1.4	0.5	2.4	126.0	16.9	1.3	1.3	1.0	1.0
28		1.0	9.0	1.3	2.8	7.5	3.3	2.7	7.8	4.1	1.3	1.3	2.7	7.8	4.1	1.3	2.3	2.3	11.2	6.5	1.3	1.3	3.5	1.0
29		1.0			0.5	2.4	3.0	6.0	1.0	3.7	1.3	1.3	6.0	1.0	3.7	1.3	2.2	2.2	6.5	0.5	1.2	1.2	61.5	4.3
30		1.0			6.0	2.3	2.8	5.0	5.0	5.0	2.5	43.5	5.0	5.0	5.0	2.5	2.5	2.6	1.0	5.0	0.5	1.2	61.5	4.3
31	2.0	1.0			0.5	2.0	9.5	5.1	4.4	4.4	4.4	9.5	4.4	4.4	4.4	9.5	1.4	2.6	2.5	4.2	0.5	1.2	1.1	1.1
total	65.0	40.1	107.5	n/a	169.0	55.7	157.0	67.8	247.0	130.6	143.5	89.8	576.5	429.0	50.5	62.1	427.5	330.4	241.0	97.0	20.0	56.1	118.5	37.8

付表 - 9 . 樹芸 2 号沢流域の日降水量と日流出量（つづき）

JYUGEI 2GOSAWA 2008

unit: mm/day

annual precipitation: 2445.0

annual runoff:

1824.1

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	1.2	0.9	0.9	0.9	6.4	3.0	7.4	29.8	0.5	1.8	9.4	8.5	5.7	1.8	1.8	5.0	1.8	1.0	7.2	5.0	5.0	1.8	1.0	1.3
2	1.1	0.5	0.9	0.9	3.4	4.4	33.5	7.0	4.3	43.0	4.4	33.5	7.0	22.2	1.8	7.2	1.0	1.0	7.2	5.0	5.0	1.8	1.0	1.3
3	1.1	44.0	2.7	0.9	1.4	4.3	9.5	7.4	13.0	18.4	4.3	9.5	7.4	13.0	18.4	4.3	1.8	1.8	4.3	4.3	4.3	1.7	1.7	1.3
4	1.1	1.0	2.1	0.9	1.4	3.9	6.7	16.0	18.1	16.8	3.9	6.7	16.0	18.1	16.8	3.9	1.7	1.7	4.9	3.9	3.9	1.7	1.7	1.2
5	1.2	1.4	1.4	0.8	1.3	3.7	1.0	6.2	15.2	38.0	3.3	1.0	6.2	15.2	38.0	3.3	4.3	4.3	4.9	3.6	3.6	1.7	1.7	1.6
6	1.2	1.5	1.2	0.8	1.3	3.3	2.5	5.6	16.8	16.8	3.3	2.5	5.6	16.8	16.8	3.3	1.9	1.9	3.9	6.4	6.4	1.6	1.6	1.3
7	11.0	1.2	1.1	0.8	41.5	1.9	3.0	4.9	3.5	13.7	4.9	3.5	13.7	4.9	3.5	13.7	1.7	24.0	4.6	4.9	4.9	1.5	1.8	1.2
8	1.0	1.1	1.1	0.8	82.0	23.1	2.8	10.5	4.7	1.0	12.5	4.7	1.0	12.5	4.7	1.0	1.7	3.8	3.8	3.8	4.4	6.0	1.8	1.1
9	1.0	9.5	1.1	0.8	10.4	10.4	2.6	27.0	6.5	11.4	2.6	27.0	6.5	11.4	2.6	1.6	3.3	3.3	3.3	4.0	9.5	1.8	30.0	1.9
10	0.9	1.1	1.1	1.1	14.5	7.1	14.5	2.6	6.7	7.1	10.6	6.7	7.1	10.6	6.7	1.6	3.1	3.1	10.5	3.9	1.5	1.8	1.0	1.6
11	0.5	0.9	1.0	0.9	5.5	5.3	0.5	2.4	0.5	6.3	9.9	0.5	6.3	9.9	0.5	1.6	2.9	2.9	1.0	3.6	1.6	1.6	1.0	1.3
12	24.5	1.4	8.0	1.1	0.8	4.0	13.0	2.3	22.5	6.8	9.3	6.5	2.1	2.1	6.5	2.1	2.8	2.8	3.3	3.3	0.5	1.6	1.6	1.2
13	1.1	1.0	1.0	0.8	3.4	3.1	3.4	20.0	3.1	5.9	8.7	18.0	1.9	1.9	18.0	1.9	2.6	2.6	3.0	3.0	1.0	1.6	1.6	1.2
14	1.0	1.0	1.0	1.0	39.5	1.7	5.0	3.1	4.0	2.3	5.5	2.0	2.1	2.1	2.0	2.1	2.5	2.5	9.5	3.1	1.6	1.6	1.6	1.5
15	0.9	0.9	0.9	1.7	2.7	2.1	2.7	4.9	4.9	7.9	4.9	7.9	0.5	1.7	0.5	1.7	2.4	2.4	2.4	2.9	1.6	1.6	1.6	1.2
16	0.9	0.9	0.9	1.0	2.5	2.0	2.5	4.6	4.6	7.6	4.6	7.6	0.5	1.6	0.5	1.6	14.5	14.5	2.6	2.6	2.5	1.6	1.6	1.2
17	0.9	0.9	0.9	0.9	23.0	2.6	2.0	4.1	4.1	4.9	2.0	4.1	4.9	2.0	1.5	2.2	2.2	2.2	2.2	2.5	1.6	1.6	6.5	1.2
18	0.9	0.9	0.9	0.9	60.0	18.0	1.9	3.7	1.0	2.9	1.4	14.0	2.4	2.4	1.4	14.0	2.4	2.4	2.4	2.4	1.5	1.5	0.5	1.2
19	0.9	1.0	1.0	1.2	11.1	2.0	2.0	3.5	9.0	2.8	2.8	2.8	3.5	2.8	1.5	93.0	6.3	6.3	2.3	2.3	1.4	1.4	1.1	1.1
20	6.5	0.9	1.0	1.1	7.9	26.9	74.0	17.8	105.0	17.8	26.9	74.0	17.8	26.9	1.5	41.0	34.1	34.1	2.3	2.3	1.4	1.4	1.1	1.1
21	14.0	2.1	1.0	1.0	6.0	13.2	190.5	65.3	2.5	13.2	190.5	65.3	2.5	13.2	2.5	14.1	2.2	2.2	2.2	2.2	1.3	1.3	1.1	1.1
22	1.3	1.0	1.0	1.0	5.0	9.0	106.5	121.8	2.4	9.0	106.5	121.8	2.4	9.0	1.3	6.5	10.4	10.4	2.1	2.1	1.3	1.3	1.1	1.1
23	6.5	1.2	1.5	1.0	4.2	6.9	9.0	77.8	4.2	6.9	9.0	77.8	4.2	6.9	2.3	1.3	7.7	7.7	6.5	2.1	1.3	1.3	1.1	1.1
24	0.5	1.0	1.0	39.0	3.4	37.0	5.7	16.5	5.8	16.5	5.8	16.5	5.8	2.3	159.5	12.8	6.2	6.2	41.0	3.8	14.5	1.4	1.1	1.1
25	1.0	0.8	0.8	2.1	5.3	45.0	15.9	27.6	15.9	45.0	15.9	27.6	15.9	2.2	9.5	14.6	4.0	4.0	2.4	2.4	1.4	1.4	1.1	1.1
26	0.9	21.5	1.2	1.5	2.0	4.8	18.0	22.3	4.8	18.0	22.3	4.8	18.0	2.1	6.0	4.0	4.0	4.0	0.5	2.2	1.3	1.3	1.1	1.1
27	0.9	0.9	1.1	2.0	6.0	4.6	10.0	18.4	10.0	4.6	10.0	18.4	10.0	2.1	4.4	4.4	4.2	4.2	2.1	2.1	1.2	1.4	1.0	1.0
28	3.0	0.9	0.9	4.5	3.9	7.7	16.0	16.0	7.7	16.0	4.2	16.0	4.2	2.0	16.0	4.2	3.7	3.7	2.0	2.0	15.5	2.1	1.0	1.0
29	10.5	1.1	0.9	3.1	3.5	51.5	11.1	116.0	49.6	11.1	116.0	49.6	11.1	1.9	10.0	3.4	16.0	16.0	3.8	3.8	6.0	1.6	1.0	1.0
30	1.0	1.0	8.5	3.4	3.2	0.5	11.3	0.5	49.2	1.5	1.9	80.0	22.9	34.0	4.9	1.9	1.9	1.9	1.9	1.9	1.9	1.3	1.0	1.0
31	0.9	0.9	30.0	7.2	9.3	9.3	13.1	1.8	1.8	2.0	1.8	1.8	1.8	2.0	1.8	1.8	1.8	1.8	2.0	1.8	1.8	1.3	1.0	1.0
total	77.0	33.1	87.5	32.2	164.0	48.2	272.0	164.5	323.5	194.4	629.0	613.3	36.5	257.1	340.5	121.2	250.5	176.5	123.5	98.6	70.5	47.4	70.5	37.6

付表 - 9 . 樹芸 2 号沢流域の日降水量と日流出量 (つづき)

JYUGEI_2GOSAWA 2009		unit: mm/day		nia : data not available		annual precipitation: 2516.5		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												
1	1.0	1.0	1.7	3.5	2.8	7.0	3.0	3.4	2.3	4.5	6.8	7.3	1.9	1.5	1.3	2.9	0.5	1.7						
2	1.0	1.3	2.6	2.7	3.2	3.2	2.2	12.0	7.4	47.5	9.9	0.5	1.7	42.5	2.4	2.7	2.7	1.9						
3	1.1	1.2	1.5	2.3	2.5	3.0	2.2	1.5	7.1	9.4	7.8	0.5	1.7	28.5	4.0	0.5	1.7	9.5	2.5					
4	1.1	1.1	2.0	2.3	18.5	2.8	2.9	0.5	2.2	3.5	6.3	7.8	1.6	1.5	1.5	1.4	1.4	2.5	2.5					
5	1.0	1.1	1.1	2.1	0.5	2.6	2.0	3.1	14.0	2.5	5.3	6.5	1.5	14.5	1.3	1.4	29.0	3.8	3.8					
6	1.0	1.1	38.0	3.9	2.3	36.0	3.7	12.0	2.3	26.5	6.2	5.6	1.5	31.5	3.4	1.3	1.3	3.6	3.6					
7	3.0	1.0	1.0	3.4	1.0	3.4	2.2	30.5	7.5	5.7	0.5	4.8	1.4	23.5	2.5	1.3	1.3	3.2	3.2					
8	2.0	1.0	1.0	3.0	2.1	23.0	9.7	1.8	10.0	5.8	4.2	4.2	1.4	48.0	12.0	1.2	0.5	3.0	3.0					
9	11.5	1.2	1.0	0.5	2.8	2.0	2.0	8.0	1.7	3.5	5.4	0.5	3.8	2.5	1.4	3.6	1.2	2.9	2.9					
10	1.1	3.5	1.0	12.0	2.9	2.0	6.4	5.4	61.0	8.9	1.4	2.4	12.5	1.4	2.4	12.5	1.4	2.8	3.0					
11	1.1	1.0	1.0	2.5	1.9	5.5	54.5	5.6	2.5	5.2	37.5	14.8	1.3	2.0	66.5	9.9	14.0	3.0	3.0					
12	0.5	1.0	1.0	2.3	1.9	4.8	2.9	4.7	12.7	20.0	1.7	1.7	1.8	6.0	7.1	1.7	2.8	2.8	2.8					
13	1.0	1.0	10.0	2.3	1.9	0.5	4.3	4.3	9.5	1.5	1.5	9.5	1.5	1.7	1.7	4.7	2.0	2.7	2.7					
14	1.0	24.0	1.8	60.0	14.5	75.0	5.2	3.8	7.5	3.7	3.7	7.5	1.3	1.7	20.0	5.7	2.5	2.7	2.7					
15	1.0	1.1	1.0	10.0	7.5	8.8	3.4	3.4	6.1	2.5	1.3	6.1	2.5	1.6	1.6	4.9	2.4	2.4	2.4					
16	1.0	0.5	1.0	7.1	5.6	7.1	5.6	3.2	20.5	2.3	3.1	5.1	0.5	1.3	1.5	4.6	1.8	1.8	1.8					
17	1.0	2.0	1.0	5.5	4.5	19.5	3.6	4.4	1.8	196.0	76.6	4.4	1.2	5.0	1.5	28.5	5.4	1.3	1.3					
18	4.0	1.0	1.0	4.5	4.0	1.0	3.3	1.0	1.3	1.5	37.5	3.8	1.2	1.5	1.5	4.2	1.3	1.3	1.3					
19	11.0	1.3	1.0	3.9	3.6	2.9	2.9	19.1	3.5	1.3	1.2	3.5	1.2	1.4	3.0	3.1	1.2	1.2	1.2					
20	1.1	40.0	2.9	9.8	3.2	2.8	1.2	12.5	3.2	2.8	1.1	3.2	1.1	1.4	1.4	2.9	1.2	1.2	1.2					
21	3.0	1.1	1.4	8.6	74.0	8.9	2.6	39.5	3.0	2.0	9.4	3.0	1.1	1.3	1.3	2.6	1.2	1.2	1.2					
22	5.0	1.2	1.2	15.0	7.8	0.5	15.6	8.0	2.6	58.0	10.1	40.0	9.8	1.1	1.1	1.3	1.5	2.4	1.2					
23	10.0	1.3	71.0	10.6	7.1	10.5	3.0	2.6	5.0	11.9	33.0	15.1	2.6	1.1	1.2	6.0	2.4	1.2	1.2					
24	1.0	4.0	4.9	6.1	7.8	2.4	93.5	66.5	30.3	2.0	2.5	2.0	2.5	1.1	11.5	1.3	1.5	2.1	1.2					
25	0.9	12.0	4.3	9.5	5.7	23.0	7.2	4.0	2.3	22.6	2.0	25.6	2.3	1.1	0.5	1.3	15.0	2.5	1.2					
26	0.9	3.6	3.6	4.8	0.5	6.1	2.2	12.7	0.5	17.4	4.0	2.3	1.0	52.0	2.8	2.1	0.5	1.2	1.2					
27	0.9	12.5	3.5	4.2	5.1	2.1	8.7	16.0	12.6	2.1	1.0	2.1	1.0	0.5	1.6	1.9	1.1	1.1	1.1					
28	0.9	3.1	3.1	3.8	4.4	23.0	2.4	23.5	7.4	32.0	13.4	2.0	1.0	1.3	1.3	1.8	6.0	1.2	1.2					
29	0.5	0.9	3.5	3.5	4.0	9.5	2.9	2.5	5.7	1.5	13.6	2.0	21.0	1.7	0.5	1.3	10.5	1.8	1.1					
30	40.5	1.7	3.2	3.2	2.4	21.0	6.3	8.0	11.1	1.9	77.0	1.6	1.2	0.5	1.8	1.1	1.1	1.1	1.1					
31	61.5	6.3	1.0	3.0	2.4	8.8	30.5	2.6	64.0	260.0	66.3	223.0	90.4	64.5	n/a	n/a	n/a	n/a	n/a					
total	152.5	38.1	169.5	56.9	205.0	148.3	206.5	138.0	178.0	115.4	345.5	167.9	464.5	398.6	183.5	164.9	64.0	40.4	260.0	66.3	223.0	90.4	64.5	n/a

付表 - 9 . 樹芸 2 号沢流域の日降水量と日流出量（つづき）

JYUGEI_2GOSAWA 2010		unit: mm/day		annual precipitation: 2519.5		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
	runoff	runoff	runoff	runoff	runoff	runoff	runoff	runoff	runoff	runoff	runoff	runoff
1	n/a	18.0	1.2	9.3	2.5	3.2	10.8	5.0	3.6	2.0	2.6	4.4
2	n/a	2.5	1.1	7.5	8.2	4.0	8.2	4.5	0.5	2.0	3.0	3.1
3	n/a	n/a	0.9	6.3	3.3	6.6	3.1	48.5	3.3	1.9	3.5	2.0
4	0.5	n/a	0.8	5.0	5.1	5.6	2.9	24.5	1.0	1.9	19.0	2.6
5	8.0	n/a	0.8	7.5	4.7	4.9	2.8	11.6	2.7	1.8	1.9	2.6
6	n/a	n/a	0.8	41.5	7.8	4.3	2.6	9.0	2.6	1.8	1.8	2.5
7	n/a	n/a	1.1	27.0	10.6	3.0	5.9	39.0	8.8	0.5	1.7	2.5
8	n/a	n/a	1.3	10.7	0.5	4.4	9.0	2.4	2.5	2.3	1.6	3.1
9	n/a	n/a	1.3	3.5	8.8	4.2	3.8	8.0	5.5	3.0	2.0	2.0
10	n/a	n/a	0.9	1.5	7.3	3.8	0.5	57.5	14.8	2.0	25.5	2.1
11	n/a	12.5	0.9	5.6	3.5	3.5	2.2	21.3	1.5	2.0	68.5	1.9
12	12.0	n/a	0.9	4.6	3.2	3.4	2.1	14.3	3.6	1.9	7.1	1.9
13	n/a	1.5	0.8	39.5	4.1	0.5	2.1	11.1	4.4	1.8	0.5	5.0
14	n/a	0.5	0.8	4.0	6.5	5.2	2.9	20.5	4.3	1.8	4.1	1.8
15	n/a	24.5	1.4	3.4	4.3	4.3	1.9	7.9	4.4	1.6	3.6	1.8
16	n/a	5.5	1.1	71.0	3.2	4.0	2.6	7.2	4.2	1.6	0.5	3.2
17	n/a	n/a	0.9	9.1	8.5	3.7	2.5	26.0	4.1	2.3	2.9	1.7
18	n/a	8.5	1.1	1.5	7.0	3.3	2.3	6.5	3.8	1.7	2.6	1.7
19	n/a	n/a	0.9	5.8	5.8	3.1	5.5	5.9	3.3	1.5	2.5	1.6
20	0.5	0.9	0.8	4.9	16.0	3.3	2.2	23.5	3.0	1.5	2.4	1.5
21	11.0	1.1	0.8	13.5	4.6	0.5	16.0	10.0	2.9	1.5	3.5	2.4
22	0.9	0.8	0.8	3.7	50.0	5.8	10.2	35.0	2.8	1.5	8.0	2.5
23	0.9	0.8	0.8	3.3	6.5	9.2	3.9	35.0	2.7	1.5	2.2	2.5
24	0.9	0.8	0.5	3.3	6.5	8.7	3.6	80.0	2.6	1.5	2.1	3.3
25	0.9	0.8	34.0	3.9	2.5	8.3	40.1	14.9	2.6	1.5	2.1	34.5
26	0.9	73.5	26.5	5.7	6.9	20.2	3.2	3.4	13.0	2.2	0.5	1.8
27	0.9	3.2	6.3	6.3	5.8	12.7	3.2	4.0	18.0	2.3	10.5	2.2
28	18.0	1.3	27.5	5.5	56.0	10.1	3.0	2.4	2.4	1.5	4.5	2.3
29	0.9	27.5	11.8	4.8	69.5	8.0	2.9	22.0	3.3	2.0	1.7	1.8
30	0.8	n/a	6.5	4.4	0.5	10.3	2.8	21.0	1.9	1.0	0.5	1.6
31	12.0	1.0	0.5	3.7	15.4	6.7	2.2	64.0	8.5	2.5	2.4	1.5
total	62.0	n/a	65.6	260.5	189.9	340.0	213.3	210.5	97.0	205.5	63.6	227.0
						308.7	260.5	228.2	90.5	97.0	205.5	63.4
						340.0	340.0	308.7	98.0	98.0	98.0	173.5
						190.4	228.2	90.5	63.6	227.0	98.0	63.4
						4.1	4.1	2.1	2.1	2.8	2.8	2.1
						4.1	4.1	2.1	2.1	2.8	2.8	2.1

付表 - 9 . 樹芸 2 号沢流域の日降水量と日流出量 (つづき)

JYUGEI_2GOSAWA 2011

unit: mm/day

annual precipitation: 2202.5

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		1.2	10.0	7.7	5.4	1.5	14.5	4.3	3.8	46.5	9.5	2.9	0.5	2.8	24.5	2.5	3.0						
2	1.9		1.2		5.4	4.3	1.5	1.5	3.8	46.5	9.5	2.7	0.5	2.7	23.0	3.4	2.8							
3	1.9		1.2		4.3	1.4	0.5	3.4	12.0	12.0	1.4	2.5	2.5	2.6	56.0	4.8	2.5							
4	0.5	1.8	1.2	1.0	3.7	1.4	2.0	3.3	3.0	2.0	7.8	9.7	2.4	31.0	3.3	21.0	15.7	2.4						
5	1.8		1.2		3.2	1.4	3.2	3.0	3.0	2.0	7.8	42.0	3.8	7.0	3.8	14.0	13.4	3.0						
6	1.7		1.2		2.9	1.4	2.9	2.8	2.8	6.3	5.0	2.5	2.5	2.8	2.8	10.6	4.0	2.8						
7	1.7		1.2	20.0	3.5	1.4	6.5	2.9	5.1	173.0	48.8	2.6	7.4	2.6	7.4	10.6	4.0	2.8						
8	1.7		1.2		2.8	1.4	2.7	1.5	4.4	1.0	46.8	2.5	4.6	2.5	2.5	5.7	4.7	2.1						
9	1.6	12.0	1.6		2.5	83.0	9.1	2.5	2.5	3.7	21.8	2.3	2.3	2.3	4.0	4.7	2.0	2.0						
10	1.6		1.2		2.4		5.7	8.0	2.6	0.5	3.3	3.3	13.8	2.3	4.0	4.0	1.9	2.5						
11	1.6	11.5	1.5		2.3		4.0	37.0	4.0	60.0	8.1	2.2	9.9	2.2	3.5	3.5	1.8	36.5						
12	1.6	13.5	1.7		2.3	1.6	3.3	17.5	5.0	1.5	7.4	7.7	7.7	2.1	3.1	3.1	1.8							
13	1.5		1.3		2.2		2.9	1.0	5.3	33.5	13.4	6.3	6.3	2.0	2.9	2.9	1.8							
14	1.5		1.3		2.2		2.7		4.4		11.1	5.3	5.3	2.0	2.6	1.5	1.7	2.6						
15	1.7		1.3		2.1	26.0	3.2	3.8	3.8	8.4	8.4	4.6	4.6	1.9	2.4	35.0	2.6	2.4						
16	1.4		1.2		1.9	18.0	6.0	6.0	3.5	23.5	7.3	4.1	4.1	1.8	10.0	2.6	2.6	4.9						
17	1.4	15.5	1.4		1.7		4.5	26.0	5.9	8.5	7.2	3.7	3.7	1.8	12.5	2.7	2.4	4.9						
18	1.4	39.0	5.5		1.7	1.5	4.1		4.1	12.0	6.3	3.4	3.4	1.7	1.8	2.2	2.2	2.4						
19	1.4		1.9		1.7	3.0	3.7		3.3	8.0	6.9	4.4	4.4	1.6	0.5	2.1	2.1	2.1						
20	1.4		1.7	3.5	1.7		3.2		3.0	6.5	6.4	53.0	10.4	1.5	22.5	2.4	2.4	2.1						
21	1.3		1.6	19.5	2.3		2.9		2.7	27.0	8.5	8.1	8.1	4.5	1.7	103.5	22.2	4.0						
22	1.3		1.5	14.5	2.3		2.7		2.5		9.3	5.8	5.8	18.5	2.4	17.6	42.0	4.0						
23	1.3		1.4	1.5	1.9	68.5	7.7	6.0	2.3	0.5	8.0	4.9	4.9	13.5	2.3	10.2	18.5	2.5						
24	1.3	13.5	1.8	3.0	1.7	0.5	13.7	15.5	2.4		6.8	4.3	4.3	24.5	2.6	7.6	6.0	2.5						
25	1.3		1.7	5.5	1.7		9.4		1.9		5.8	3.9	3.9	10.5	3.0	6.0	6.0	2.5						
26	1.3		1.5		1.7		7.2		1.8		5.1	5.1	5.1	28.5	5.1	4.0	5.2	6.0						
27	1.2		1.6		1.6	1.0	6.1	5.0	1.8		4.5	4.0	4.0	12.5	1.9	3.5	4.6	6.0						
28	1.2	86.5	10.8		1.6	18.5	6.0	44.0	2.8		4.0	3.6	3.6	1.7	1.7	3.9	4.6	6.0						
29	1.2				1.5		4.7	56.0	10.2		3.5	0.5	3.3	1.8	1.8	3.5	3.5	4.6						
30	1.2				1.5		4.2	25.0	22.3		3.1	7.5	3.3	1.7	1.7	3.3	3.3	4.6						
31	1.2				1.5		1.5		13.1		0.5	3.1	0.5	3.1	12.5	1.9	1.9	3.3						
total	0.5	46.4	205.5	53.1	78.5	77.5	220.0	128.4	264.5	137.4	231.5	211.8	341.0	257.2	135.5	69.3	295.0	182.8	162.5	n/a	223.5	n/a	44.5	n/a

付表 - 10. 樹芸3号沢流域の日降水量と日流出量

JYUGEI_3GOSAWA 2003

unit: mm/day

rain: data not available

annual precipitation: 2533.2

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	0.5	n/a	n/a	n/a	99.5	n/a	n/a	n/a	n/a	1.1	8.0	18.0	3.0	2.2	9.3	8.9	0.5	4.9	1.5	9.0	1.4	17.5	21.6	
2	n/a	n/a	3.0	n/a	n/a	8.0	0.5	n/a	9.1	0.5	9.1	1.3	0.5	1.9	7.3	7.3	0.5	4.7	1.5	36.0	4.7	13.0		
3	39.5	n/a	2.0	n/a	13.0	n/a	n/a	2.2	6.5	14.5	2.3	6.5	14.5	2.3	6.5	7.3	5.0	5.0	1.4	36.0	4.7	8.9		
4	1.5	n/a	0.5	n/a	n/a	1.0	n/a	n/a	1.7	8.5	5.8	54.0	25.0	6.2	6.2	6.2	4.9	4.9	1.1	0.5	3.0	6.6		
5	n/a	1.0	n/a	n/a	n/a	28.5	n/a	n/a	1.5	0.5	4.9	7.2	7.2	2.0	2.0	3.8	3.8	1.0	49.0	5.6	2.5	5.1		
6	n/a	n/a	n/a	2.0	n/a	n/a	n/a	1.3	4.3	2.0	4.8	4.3	2.0	4.8	5.6	5.6	4.4	4.4	1.0	14.0	16.5	8.0	5.2	
7	n/a	n/a	n/a	24.0	n/a	n/a	n/a	8.5	1.6	3.6	29.7	7.3	5.1	5.1	5.1	4.2	4.2	1.0	0.8	5.6	5.6	4.1		
8	n/a	21.5	n/a	0.5	n/a	55.0	n/a	19.5	5.5	3.1	9.5	6.4	7.5	6.2	6.2	3.9	3.9	0.8	0.8	3.9	3.9	3.2		
9	n/a	31.0	n/a	10.5	n/a	n/a	n/a	0.7	2.7	2.7	5.2	5.2	5.2	5.2	5.2	4.3	4.3	0.7	5.5	3.4	2.8	2.8		
10	n/a	3.0	n/a	1.0	n/a	n/a	n/a	0.7	7.5	2.9	11.5	7.1	11.2	11.2	13.6	1.0	4.8	1.2	12.0	2.6	2.5	2.5		
11	n/a	2.0	n/a	2.0	n/a	n/a	n/a	6.0	0.6	8.5	3.4	13.1	11.2	8.9	8.9	4.7	4.7	8.0	1.6	16.5	4.5	1.0	2.4	
12	n/a	n/a	n/a	n/a	n/a	31.5	n/a	4.0	1.1	4.0	3.6	3.4	8.6	4.8	7.6	4.9	4.9	28.5	4.2	0.5	3.3	10.0	2.8	
13	n/a	n/a	n/a	n/a	n/a	0.5	n/a	0.8	7.0	5.0	27.9	7.9	6.3	6.3	6.3	5.4	5.4	2.5	2.4	3.5	2.7	2.0		
14	n/a	n/a	n/a	n/a	n/a	n/a	n/a	13.0	1.0	8.5	4.2	17.0	28.1	68.0	12.6	5.2	5.2	26.0	2.6	2.1	2.1	1.7		
15	n/a	n/a	n/a	5.5	n/a	2.5	n/a	26.5	4.6	2.7	1.0	11.4	209.5	214.7	4.5	4.5	4.5	6.5	4.6	42.5	5.2	1.7		
16	n/a	11.0	n/a	14.5	n/a	0.5	n/a	8.0	3.4	4.0	2.3	0.8	8.1	48.5	80.9	4.1	4.1	1.7	9.0	19.4	1.4	1.4		
17	n/a	n/a	n/a	n/a	n/a	n/a	n/a	3.0	10.0	2.6	6.3	4.0	25.6	3.8	3.8	3.8	3.8	1.1	1.1	7.2	7.2	1.4		
18	n/a	10.0	n/a	n/a	n/a	n/a	n/a	2.5	13.5	3.0	5.2	0.5	14.2	14.2	3.7	3.7	3.5	1.2	4.9	4.9	1.3	1.3		
19	5.5	n/a	n/a	n/a	n/a	n/a	n/a	9.5	2.1	4.0	3.6	4.6	4.6	9.2	9.2	3.9	3.9	0.5	1.1	10.5	4.7	1.1		
20	1.5	n/a	n/a	n/a	n/a	3.0	n/a	26.5	3.3	4.6	4.7	4.4	4.4	7.9	34.5	5.8	5.8	1.0	29.0	5.7	0.8	0.8		
21	n/a	n/a	n/a	n/a	n/a	15.0	n/a	0.5	3.5	3.3	34.6	8.4	8.4	6.5	53.5	10.3	10.3	0.9	7.0	12.7	0.8	0.8		
22	46.0	n/a	1.5	n/a	1.5	n/a	n/a	2.8	1.5	2.7	0.2	4.4	4.4	5.5	5.5	3.4	3.4	15.5	1.9	6.2	6.2	0.9		
23	n/a	1.5	n/a	n/a	n/a	1.0	n/a	2.6	2.0	2.6	4.7	3.8	3.8	5.1	2.0	2.0	2.0	1.2	4.3	4.3	1.0	1.0		
24	n/a	6.0	n/a	6.0	n/a	17.0	n/a	2.1	22.0	4.1	72.0	48.1	48.1	4.8	3.0	2.1	2.1	1.3	3.8	3.8	1.0	1.0		
25	n/a	0.5	n/a	35.5	n/a	7.5	n/a	1.6	13.0	5.9	4.2	15.6	15.6	1.5	4.8	1.0	2.2	1.1	27.0	6.5	1.0	1.0		
26	n/a	n/a	n/a	9.0	n/a	n/a	n/a	1.0	1.6	4.1	7.7	10.9	0.5	4.7	1.5	2.4	2.4	1.0	4.7	4.7	1.0	1.0		
27	80.5	n/a	n/a	1.0	n/a	n/a	n/a	6.0	1.8	0.5	3.2	7.5	32.5	6.9	6.9	2.1	2.1	0.7	3.5	3.5	0.7	0.7		
28	0.5	n/a	n/a	n/a	n/a	n/a	n/a	1.5	3.5	4.2	6.3	6.3	4.0	4.0	1.7	13.5	1.2	1.2	3.2	3.2	0.5	0.5		
29	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1.6	3.3	5.3	6.1	6.1	4.2	4.2	1.5	1.5	1.5	0.9	13.5	3.7	0.7	0.7		
30	n/a	n/a	n/a	n/a	n/a	10.5	n/a	1.5	2.7	36.8	10.2	3.9	3.9	1.5	1.5	1.5	1.5	0.7	151.5	114.9	0.8	0.8		
31	n/a	n/a	n/a	n/a	n/a	109.5	44.9	8.6	8.6	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	
total	175.5	n/a	104.0	n/a	225.5	n/a	181.5	n/a	239.0	105.5	126.5	132.0	358.1	295.1	445.6	532.2	95.0	120.1	105.5	44.1	436.5	270.9	40.5	98.8

付表 - 10. 樹芸 3 号沢流域の日降水量と日流出量 (つづき)

JYUGEI_3GOSAWA 2004

unit: mm/day

annual precipitation: 2235.5

annual runoff:

1176.2

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	0.9	3.5	0.9	2.9	1.8	6.5	3.2	2.9	0.5	1.4	0.9	0.8	0.9	0.8	0.8	0.8	0.8	0.8	0.8	18.0	6.2	0.6	
2	0.7	63.0	0.5	0.5	2.5	1.4	2.4	2.5	2.4	1.0	1.0	2.1	2.5	2.1	2.1	2.0	2.0	2.0	2.0	2.0	80.0	16.6	3.7	
3	0.7	2.2	0.4	1.9	0.5	1.4	2.1	2.1	2.1	0.5	1.0	2.2	2.2	2.1	2.2	0.5	1.0	2.0	0.7	80.0	16.6	2.7	0.5	
4	0.6	1.0	4.0	0.5	12.0	2.3	1.9	1.9	2.1	5.5	1.0	48.5	4.1	7.5	14.7	2.1	5.5	4.1	7.5	14.7	2.1	34.5	1.3	
5	0.6	1.0	0.3	0.5	1.4	6.5	2.0	1.9	2.5	2.3	27.5	4.2	2.0	2.6	40.0	15.5	4.2	2.0	2.6	40.0	15.5	1.8	20.0	
6	0.5	0.6	8.0	0.6	1.3	1.4	32.0	4.3	27.5	4.8	5.0	3.9	12.5	1.3	12.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.0
7	0.4	0.6	0.3	1.4	1.3	1.3	40.5	13.7	2.5	2.4	6.0	1.9	5.8	1.5	5.8	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.8
8	0.4	0.6	0.6	1.3	1.3	1.3	2.5	7.8	2.3	2.3	1.7	12.0	3.7	67.0	13.8	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.7
9	0.3	0.6	0.6	1.1	19.0	2.1	37.0	10.3	8.0	2.1	1.4	13.5	2.3	114.0	11.4	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.6
10	0.4	1.0	0.7	0.5	1.0	38.5	12.0	13.8	27.5	4.5	1.2	8.0	1.9	1.5	32.9	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.7
11	0.5	0.8	0.8	0.6	1.1	6.8	23.0	10.1	2.9	1.1	0.5	1.4	8.5	14.3	5.5	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.6
12	1.5	0.4	0.9	1.0	1.1	4.2	3.0	12.1	2.2	2.2	5.0	1.2	1.2	2.2	1.2	1.2	1.2	1.2	1.2	22.0	9.9	41.0	5.8	
13	10.5	0.9	1.0	0.5	1.3	1.5	3.5	8.4	2.1	2.1	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	21.0	19.6	1.7	2.5	
14	0.3	3.0	1.2	0.4	5.0	31.0	9.8	6.3	1.8	1.8	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	11.2	11.2	1.4	0.4	
15	0.3	1.9	0.5	0.4	0.5	5.1	5.1	5.3	1.7	8.0	1.0	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	7.0	38.0	6.8	2.0	
16	0.3	0.8	0.8	0.4	0.5	31.0	8.6	4.5	1.5	1.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	5.2	5.2	3.6	0.4	
17	3.5	0.3	0.7	0.5	0.5	5.0	12.1	3.9	1.5	79.5	9.1	1.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	3.8	3.8	2.4	0.3	
18	0.3	0.7	8.5	0.8	0.5	2.0	8.3	3.6	1.3	1.3	3.2	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	38.0	4.6	2.4	0.3	
19	7.5	0.9	0.8	0.3	11.5	0.6	7.2	3.3	1.2	1.2	2.2	7.5	1.1	2.2	2.2	2.2	2.2	2.2	2.2	38.0	4.6	12.5	3.2	
20	1.0	1.0	10.5	0.6	25.5	9.2	4.5	3.6	1.1	1.1	1.8	25.0	2.7	107.5	54.8	1.8	1.8	1.8	1.8	107.5	54.8	2.8	0.5	
21	0.5	0.9	1.2	0.3	0.7	15.0	18.7	29.0	8.0	11.5	1.1	1.2	9.5	1.8	30.0	2.1	2.1	2.1	2.1	30.0	30.0	2.1	0.3	
22	0.5	9.5	1.7	15.5	0.5	0.7	0.5	11.1	3.5	5.4	0.9	0.9	1.1	1.5	1.4	1.1	1.1	1.1	1.1	11.8	11.8	1.7	0.2	
23	0.6	15.5	2.4	0.5	0.3	2.0	0.8	13.5	8.5	3.9	0.9	4.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	7.1	7.1	1.5	0.1	
24	0.7	0.9	1.0	0.5	0.4	6.9	6.9	3.5	3.5	10.0	1.3	2.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	5.0	5.0	1.5	0.1	
25	0.7	0.9	2.5	0.5	0.3	5.4	27.5	4.5	1.0	0.9	1.0	3.0	0.9	4.4	4.4	1.0	1.0	1.0	1.0	4.4	4.4	1.3	0.5	
26	0.7	0.9	9.5	0.7	0.4	4.6	2.8	65.5	4.3	0.9	0.9	0.5	1.0	9.0	3.8	0.9	0.5	1.0	9.0	3.8	3.8	1.3	0.1	
27	0.7	0.6	0.6	0.4	74.0	4.1	2.5	2.5	1.1	1.1	0.9	11.0	1.1	1.0	2.6	5.5	1.1	1.0	2.6	5.5	1.3	0.1		
28	0.9	0.6	0.6	0.4	7.2	3.7	2.3	2.3	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.9	1.9	0.9	0.1	
29	1.0	10.0	1.3	0.4	2.9	3.5	13.5	2.5	9.5	1.2	9.0	1.0	1.5	0.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.8	9.0	
30	1.1	89.0	18.2	2.1	5.5	3.6	0.5	2.3	28.0	2.8	4.5	1.0	22.5	3.1	7.0	1.9	0.7	0.7	7.0	1.9	0.7	0.7	0.1	
31	1.1	1.0	1.0	1.3	6.0	4.1	17.5	3.0	0.5	1.1	33.5	5.6	67.8	106.5	18.6	18.6	18.6	18.6	18.6	33.5	5.6	34.5	1.0	
total	23.5	19.4	101.0	35.4	164.5	45.7	139.5	57.2	230.5	176.0	223.0	160.3	198.5	63.4	159.5	52.9	192.5	45.2	557.5	434.3	139.0	67.8	106.5	18.6

付表 - 10. 樹芸3号沢流域の日降水量と日流出量（つづき）

JYUGEI_3GOSAWA 2005 unit: mm/day annual precipitation: 1929.0 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	n/a	0.9	0.9	0.3	n/a	13.5	2.1	1.0	11.0	3.0	1.0	3.9	3.5	1.1	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.9
2	n/a	0.9	0.9	0.3	n/a	38.0	10.3	2.4	2.6	2.4	39.0	2.4	2.4	7.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.9
3	n/a	0.9	2.0	0.3	n/a	3.0	3.9	3.3	0.5	2.4	3.0	3.3	3.1	7.0	n/a	n/a	n/a	n/a	n/a	n/a	1.5	n/a	n/a	0.8
4	22.5	n/a	0.9	0.7	35.5	n/a	3.1	1.4	53.0	10.3	3.0	0.5	3.0	3.0	0.5	3.0	1.0	1.0	1.0	1.0	n/a	n/a	n/a	1.0
5	1.0	n/a	0.9	1.0	0.4	n/a	2.7	1.2	5.5	5.5	2.8	49.5	6.8	18.0	1.4	2.8	49.5	6.8	18.0	1.4	n/a	n/a	0.5	0.9
6	4.0	n/a	0.9	0.4	n/a	14.5	2.8	1.1	2.5	4.3	3.5	2.5	0.5	4.3	3.5	2.5	0.5	4.3	3.5	1.8	80.5	n/a	3.5	0.9
7	n/a	0.9	0.9	0.4	n/a	9.0	3.1	1.0	3.6	3.6	2.3	21.0	5.6	25.5	2.2	2.3	21.0	5.6	25.5	2.2	4.5	n/a	1.0	1.0
8	n/a	0.9	1.0	0.3	n/a	n/a	2.5	1.0	3.1	3.1	2.2	2.2	4.3	10.5	2.7	2.2	4.3	10.5	2.7	2.7	n/a	n/a	n/a	0.9
9	n/a	0.5	1.0	0.3	n/a	n/a	2.3	1.0	41.5	5.9	2.3	2.3	3.3	8.5	1.7	2.3	3.3	8.5	1.7	8.5	n/a	n/a	n/a	0.9
10	n/a	21.5	1.9	0.3	n/a	n/a	2.1	1.0	3.0	13.9	2.5	2.5	2.8	1.5	1.5	2.5	2.8	1.5	1.5	1.5	n/a	n/a	n/a	0.9
11	n/a	1.0	38.5	2.3	81.5	n/a	1.9	1.6	7.5	7.5	1.9	2.3	2.6	0.5	1.2	2.3	2.6	0.5	1.2	1.2	n/a	n/a	n/a	0.9
12	n/a	1.0	1.1	4.5	n/a	5.5	1.9	1.4	5.8	5.8	1.8	1.8	2.3	1.1	2.3	1.8	1.0	2.3	1.1	11.5	n/a	n/a	n/a	1.1
13	n/a	1.0	0.6	1.5	n/a	1.0	1.8	1.1	4.7	4.7	1.7	1.7	2.2	1.0	2.2	1.7	1.0	2.2	1.0	1.0	n/a	n/a	n/a	1.1
14	n/a	0.6	0.6	0.6	n/a	n/a	1.6	1.1	4.5	4.2	1.6	1.6	2.2	0.9	2.2	1.6	0.9	2.2	0.9	0.9	n/a	n/a	n/a	1.1
15	15.5	n/a	0.4	0.5	n/a	6.5	1.7	1.6	3.7	3.7	1.5	1.5	2.0	39.0	2.8	1.5	2.0	39.0	2.8	2.8	n/a	n/a	n/a	1.1
16	2.0	n/a	0.6	4.0	n/a	n/a	1.5	7.3	3.4	3.4	1.4	1.4	1.8	9.0	3.1	1.4	1.8	9.0	3.1	3.1	n/a	n/a	n/a	0.9
17	n/a	3.5	0.5	36.5	n/a	n/a	1.4	4.2	3.2	3.2	1.3	1.3	1.7	7.5	1.7	1.3	1.7	7.5	1.7	1.7	n/a	n/a	n/a	0.8
18	n/a	3.5	0.4	0.5	n/a	2.5	0.8	2.4	3.0	3.0	0.5	1.3	1.6	44.5	6.7	3.0	0.5	1.3	1.6	44.5	6.7	1.1	n/a	0.8
19	n/a	10.0	0.5	n/a	5.0	9.5	1.7	2.0	2.8	2.8	5.5	1.8	1.6	0.5	1.6	2.8	5.5	1.8	1.6	0.5	n/a	n/a	n/a	0.8
20	0.5	0.5	0.5	n/a	70.5	n/a	1.3	10.0	2.1	2.6	1.3	1.8	1.6	1.6	1.6	2.6	1.3	1.8	1.6	1.6	n/a	n/a	n/a	0.8
21	0.5	0.4	0.4	n/a	n/a	n/a	1.2	1.0	1.6	2.5	0.5	1.9	1.5	1.5	1.5	2.5	0.5	1.9	1.5	1.5	n/a	n/a	1.0	0.7
22	0.4	0.4	45.0	n/a	7.2	1.5	1.2	126.0	69.8	2.4	29.5	3.3	1.4	1.4	1.4	2.4	29.5	3.3	1.4	1.4	n/a	n/a	1.1	0.7
23	2.5	0.5	0.4	15.5	n/a	4.9	1.2	11.5	15.4	6.0	2.8	9.0	1.4	1.4	1.4	6.0	2.8	9.0	1.4	1.4	n/a	n/a	1.3	0.8
24	0.6	11.0	0.4	3.0	n/a	4.0	1.1	8.6	8.6	2.3	2.3	1.3	7.5	1.5	1.5	2.3	1.3	7.5	1.5	1.5	n/a	n/a	1.2	0.8
25	0.5	0.8	10.0	0.8	n/a	0.5	3.5	1.0	6.0	12.0	2.8	235.5	93.5	6.5	1.8	2.8	235.5	93.5	6.5	1.8	n/a	n/a	0.9	0.8
26	5.5	1.1	0.4	n/a	5.0	3.3	1.0	4.7	126.0	62.6	12.0	48.3	2.0	1.5	1.5	4.7	126.0	62.6	12.0	1.5	n/a	n/a	0.9	0.9
27	1.0	1.0	0.4	n/a	n/a	2.8	1.0	4.1	0.5	19.3	12.1	0.5	1.4	4.0	n/a	12.1	0.5	1.4	4.0	n/a	n/a	n/a	0.9	0.9
28	1.0	0.4	0.4	48.0	n/a	3.1	1.0	3.5	8.8	8.8	7.2	0.5	1.3	n/a	n/a	7.2	0.5	1.3	n/a	n/a	n/a	n/a	0.9	1.0
29	6.0	1.0	n/a	n/a	2.6	n/a	0.9	3.1	6.3	6.3	5.3	5.3	1.2	5.0	n/a	5.3	5.3	1.2	5.0	n/a	27.5	2.1	n/a	0.9
30	0.5	1.0	n/a	n/a	2.2	24.0	1.2	3.0	2.9	5.1	5.0	4.5	1.1	1.1	1.1	5.1	5.0	4.5	1.1	1.1	n/a	n/a	1.0	0.6
31	0.9	n/a	n/a	n/a	n/a	9.5	1.8	n/a	n/a	4.3	4.0	4.0	n/a	n/a	n/a	4.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.7
total	60.0	n/a	76.0	20.3	209.0	n/a	63.1	275.0	158.9	260.5	214.7	305.5	n/a	89.5	73.2	177.5	n/a	89.5	73.2	177.5	n/a	125.5	n/a	27.3

付表 - 10. 樹芸 3 号沢流域の日降水量と日流出量 (つづき)

JYUGEI_3GOSAWA_2006

unit: mm/day

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	0.7	81.5	n/a	n/a	44.5	n/a	n/a	n/a	n/a	n/a	n/a	1.3	2.5	1.3	2.6	3.9	21.5	1.4	3.5	1.2	0.7	0.7	0.7	
2	6.0	1.0	n/a	n/a	n/a	30.5	n/a	n/a	5.5	n/a	n/a	1.2	1.7	1.2	2.3	n/a	1.9	3.5	1.2	3.5	1.2	0.7	0.5	
3	0.5	1.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1.1	1.6	1.1	2.1	40.0	1.5	0.5	0.9	1.5	0.9	0.7	0.6	
4	1.0	2.0	n/a	n/a	n/a	3.5	n/a	n/a	n/a	n/a	n/a	1.0	1.4	1.0	1.9	n/a	1.3	7.0	1.1	7.0	1.1	0.7	0.6	
5	2.0	0.8	1.0	n/a	n/a	23.0	n/a	n/a	n/a	n/a	n/a	1.3	105.5	11.3	1.8	n/a	1.3	7.5	1.0	7.5	1.0	0.7	0.6	
6	3.0	0.8	0.5	n/a	6.5	n/a	n/a	n/a	n/a	n/a	n/a	1.1	55.0	23.4	1.7	2.5	1.3	46.0	3.4	46.0	3.4	11.5	0.9	
7	1.0	0.7	5.0	n/a	n/a	n/a	n/a	n/a	60.5	n/a	n/a	1.0	1.0	9.7	1.7	n/a	1.3	1.4	1.4	1.4	1.8	1.8	0.5	
8	0.7	0.7	n/a	n/a	n/a	n/a	n/a	n/a	31.5	n/a	n/a	0.9	13.5	6.3	188.5	24.5	1.2	1.0	1.2	1.0	1.0	0.5	0.5	
9	1.5	0.9	n/a	n/a	n/a	n/a	n/a	n/a	4.0	n/a	17.5	1.3	22.5	6.4	96.0	150.1	1.4	0.9	1.4	0.9	0.9	6.5	0.5	
10	0.5	0.8	n/a	n/a	7.5	n/a	1.0	n/a	2.5	n/a	n/a	0.9	0.9	5.9	44.2	1.2	0.8	1.2	0.8	0.8	0.8	0.4	0.4	
11	0.5	0.5	n/a	n/a	n/a	84.0	n/a	n/a	39.5	n/a	19.5	1.4	4.5	5.0	8.9	1.1	0.5	0.8	1.1	0.5	0.8	38.5	3.1	
12	0.6	0.6	n/a	n/a	n/a	112.5	n/a	n/a	n/a	n/a	n/a	1.0	0.5	4.2	6.6	1.1	0.5	1.0	1.4	0.5	1.4	0.5	0.4	
13	0.6	0.6	n/a	n/a	n/a	n/a	n/a	n/a	52.0	n/a	3.5	1.0	3.7	3.7	5.3	1.1	0.7	0.7	0.7	0.7	0.9	5.0	0.5	
14	94.5	10.7	n/a	n/a	n/a	n/a	n/a	n/a	2.0	n/a	n/a	0.8	0.8	3.4	4.6	0.5	1.1	0.7	0.7	0.7	6.0	0.8	8.5	
15	2.2	2.5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	32.5	1.4	2.9	0.4	4.2	1.1	1.1	0.8	1.1	0.8	0.8	5.0	0.7	
16	2.0	1.1	32.5	n/a	35.5	n/a	2.0	n/a	n/a	n/a	86.0	33.3	2.5	14.0	3.8	1.0	1.0	0.7	1.0	0.7	0.7	0.7	0.4	
17	2.0	1.2	0.5	n/a	n/a	n/a	n/a	n/a	5.5	n/a	29.5	9.8	1.0	2.3	50.0	6.1	0.9	0.7	0.9	0.7	0.6	3.0	0.4	
18	n/a	n/a	n/a	n/a	4.5	n/a	n/a	n/a	4.5	n/a	16.0	15.9	15.5	2.6	n/a	4.6	12.5	1.5	1.5	0.7	0.6	0.6	0.4	
19	n/a	n/a	n/a	n/a	7.0	n/a	5.0	n/a	4.0	n/a	n/a	8.7	30.5	4.9	n/a	3.5	0.5	1.1	0.8	1.1	17.5	0.8	0.4	
20	n/a	n/a	7.0	n/a	n/a	14.5	n/a	n/a	14.5	n/a	n/a	5.9	4.0	3.6	2.5	3.0	1.1	0.8	0.8	12.5	1.5	0.4	0.4	
21	16.5	n/a	0.5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	4.2	11.0	3.4	2.6	1.0	1.0	0.7	1.0	0.7	0.8	0.4	0.4	
22	4.5	n/a	n/a	n/a	10.0	n/a	n/a	n/a	n/a	n/a	2.0	3.2	0.5	3.3	2.4	0.9	13.0	1.0	13.0	0.7	0.7	0.4	0.4	
23	n/a	n/a	n/a	n/a	24.0	n/a	3.0	n/a	16.0	n/a	2.5	2.7	62.0	19.8	2.2	1.0	37.5	2.9	37.5	2.9	14.0	0.8	0.3	
24	n/a	n/a	14.5	n/a	n/a	0.5	n/a	0.5	1.0	n/a	0.5	2.3	3.0	9.8	2.0	1.0	10.0	1.3	10.0	1.3	7.0	1.4	0.3	
25	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	2.5	n/a	0.5	2.0	6.0	7.7	1.9	1.9	1.0	1.0	1.0	1.0	0.8	2.0	0.3	
26	n/a	n/a	114.5	n/a	0.5	n/a	n/a	n/a	n/a	n/a	16.5	2.2	5.7	5.7	1.7	3.5	1.3	0.8	3.5	0.8	3.5	67.0	2.0	
27	n/a	n/a	n/a	n/a	n/a	11.0	n/a	n/a	29.5	n/a	n/a	1.8	4.7	4.7	1.6	8.0	1.4	0.7	1.4	0.7	10.0	1.0	14.5	
28	n/a	n/a	1.0	n/a	11.5	n/a	n/a	n/a	3.0	n/a	n/a	1.6	3.9	8.5	1.5	0.9	9.0	0.8	9.0	0.8	0.8	1.0	1.0	
29	n/a	n/a	n/a	n/a	n/a	4.5	n/a	n/a	2.5	n/a	1.5	1.5	3.4	3.4	3.0	0.8	0.5	0.8	0.5	0.8	0.7	0.9	0.9	
30	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1.3	3.5	3.0	1.6	1.0	0.9	0.7	0.8	0.5	0.8	0.7	0.7	
31	10.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1.5	2.9	2.9	1.5	2.9	0.7	0.7	0.7	0.7	0.8	0.7	0.7	
total	144.0	n/a	263.0	n/a	151.5	n/a	295.0	n/a	280.5	n/a	226.5	115.1	340.0	170.3	n/a	304.0	n/a	37.6	157.0	32.2	138.5	28.7	112.5	23.0

付表 - 10. 樹芸3号沢流域の日降水量と日流出量（つづき）

JYUGEI_3GOSAWA 2007 unit: mm/day n/a : data not available annual precipitation: 2323.0 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	0.7	0.5	0.5	9.0	2.4	19.0	2.6	3.8	2.2	5.3	1.7	2.2	5.3	1.7	2.7	2.0	3.3	1.1	1.1					
2	3.0	0.6	0.7	0.6	0.5	1.8	0.5	2.9	3.0	1.5	2.2	5.0	5.3	1.6	2.5	1.0	3.1	1.0	1.0					
3	0.6	0.3	0.8	0.5	1.7	2.3	2.7	2.5	2.1	4.9	1.5	2.3	4.9	1.5	2.3	2.8	21.0	1.9	1.9					
4	0.6	0.3	1.0	0.8	1.0	2.2	2.2	2.6	18.5	2.7	4.5	1.4	4.5	1.4	2.1	2.6	2.6	1.1	1.1					
5	0.5	0.3	14.5	1.0	2.6	2.1	2.4	3.0	3.0	4.2	3.5	1.5	4.2	3.5	1.5	2.0	5.0	2.4	1.1					
6	28.0	1.3	0.3	0.7	1.3	41.5	5.6	2.3	2.2	3.9	211.0	45.8	2.2	1.9	0.5	2.4	1.1	1.1	1.1					
7	0.8	0.3	0.3	10.0	1.4	0.5	4.5	2.2	1.5	2.0	3.6	45.5	58.8	1.9	2.2	2.2	0.9	0.9	0.9					
8	0.7	0.3	0.5	0.5	1.4	3.6	2.1	1.9	1.9	3.4	13.9	75.5	10.3	2.1	2.1	2.1	0.9	0.9	0.9					
9	0.7	0.5	0.4	0.4	1.2	3.1	18.0	2.2	1.7	3.3	19.0	9.8	1.0	4.1	1.5	2.0	0.9	0.9	0.9					
10	0.6	0.4	0.4	1.1	4.0	2.9	18.0	3.5	6.1	3.2	53.5	23.9	3.0	2.0	2.0	0.9	0.9	0.9	0.9					
11	0.8	0.3	44.5	4.0	1.1	2.5	2.5	2.3	151.0	90.8	3.1	7.0	15.1	2.5	2.0	5.0	1.1	1.1	1.1	1.1				
12	0.9	0.4	1.2	1.0	1.0	2.2	2.1	11.5	42.5	3.0	52.5	30.5	2.3	1.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		
13	0.6	0.3	0.9	0.9	1.2	2.1	2.0	8.0	33.0	2.8	0.5	16.1	2.1	1.8	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		
14	0.7	23.5	1.1	0.9	46.0	6.7	1.9	49.5	54	178.0	67.8	3.0	2.7	10.8	2.5	2.1	1.7	0.9	0.9	0.9	0.9	0.9		
15	0.5	0.4	5.5	0.7	2.7	1.8	5.4	63.0	103.2	2.5	3.0	8.7	2.0	1.6	1.6	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	
16	0.5	0.5	0.4	1.0	0.8	16.0	2.4	1.7	3.4	0.5	48.4	2.4	0.5	7.3	1.7	1.6	0.8	0.8	0.8	0.8	0.8	0.8	0.8	
17	6.0	0.8	4.5	0.4	0.6	9.5	4.2	35.5	3.4	2.7	37.0	31.8	2.2	5.0	6.7	1.6	0.8	0.8	0.8	0.8	0.8	0.8	0.8	
18	0.7	36.0	2.0	0.6	8.0	3.0	2.0	8.0	2.6	9.0	14.9	2.8	2.8	5.9	1.6	1.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	
19	0.7	4.0	0.9	0.6	3.0	2.7	3.5	1.9	2.2	10.8	2.4	2.4	5.0	11.0	1.9	0.5	2.3	0.8	0.8	0.8	0.8	0.8	0.8	
20	0.5	0.4	0.5	0.6	2.2	1.7	2.2	8.6	2.5	2.5	4.5	1.8	2.5	4.5	1.8	2.6	2.6	0.7	0.7	0.7	0.7	0.7	0.7	
21	10.0	0.4	0.5	2.5	2.4	1.6	2.0	35.0	9.0	2.6	4.1	1.6	2.6	4.1	1.6	2.0	2.0	0.7	0.7	0.7	0.7	0.7	0.7	
22	9.0	0.8	3.0	0.5	1.0	2.2	1.5	20.5	3.0	9.5	13.0	2.1	3.8	2.3	3.8	1.6	15.5	1.0	1.0	1.0	1.0	1.0	1.0	
23	0.5	17.5	1.1	0.5	2.0	2.2	1.5	2.8	9.7	32.5	4.0	3.5	2.1	3.5	2.1	1.3	9.0	1.3	1.3	1.3	1.3	1.3	1.3	
24	0.4	n/a	n/a	5.0	0.6	2.5	1.9	1.4	21.5	2.8	7.5	0.5	2.2	3.2	1.8	1.3	0.8	0.8	0.8	0.8	0.8	0.8	0.8	
25	0.4	n/a	84.0	17.5	37.5	6.4	133.0	23.2	7.0	4.0	6.2	1.8	1.0	3.1	1.4	1.2	0.7	0.7	0.7	0.7	0.7	0.7	0.7	
26	5.5	0.6	n/a	5.7	4.3	19.5	3.1	4.3	5.5	1.7	2.9	21.5	2.2	1.2	1.2	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	
27	0.5	0.4	9.5	0.4	6.5	3.2	8.2	2.8	5.0	5.0	1.6	0.5	2.8	126.0	24.3	1.2	0.7	0.7	0.7	0.7	0.7	0.7	0.7	
28	0.3	9.0	0.9	2.6	7.5	3.1	5.9	2.5	4.5	1.5	3.0	10.5	6.5	1.3	3.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	
29	0.3	0.3	0.5	2.1	2.6	4.8	1.0	2.5	4.0	1.5	3.2	5.8	0.5	1.1	61.5	5.8	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
30	0.3	0.3	0.5	2.1	2.4	4.2	2.4	43.5	7.1	1.5	25.0	3.7	1.0	4.3	0.5	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
31	2.0	0.4	0.5	1.6	9.5	5.0	6.7	9.5	1.8	2.5	3.8	2.5	3.8	2.5	3.8	2.5	3.8	2.5	3.8	2.5	3.8	2.5	3.8	
total	65.0	18.5	107.5	n/a	169.0	54.0	157.0	75.0	247.0	129.8	143.5	85.0	576.5	556.1	50.5	90.3	427.5	303.8	241.0	112.7	20.0	57.2	118.5	34.3

付表 - 10. 樹芸 3 号沢流域の日降水量と日流出量 (つづき)

JYUGEI_3GOSAWA 2008

unit: mm/day

n/a : data not available

annual precipitation: 2445.0

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	0.9	0.7	0.7	0.8	1.6	3.4	5.7	13.5	0.5	n/a	3.2	3.5	8.5	2.0	3.2	4.8	1.1	1.1	1.1	1.1	1.1	1.1	0.5	0.7
2	0.8	0.6	0.6	0.7	1.6	6.4	6.2	9.5	6.2	43.0	33.5	6.2	9.5	6.2	1.0	2.5	3.5	3.5	3.5	3.5	3.5	1.0	1.0	0.8
3	0.8	44.0	4.1	0.7	1.4	6.8	9.5	8.2	8.2	1.4	9.5	8.3	13.0	8.2	n/a	2.0	2.7	2.7	2.7	2.7	2.7	1.0	1.0	0.8
4	0.8	1.0	3.3	0.6	1.3	5.2	6.5	10.6	10.6	6.3	5.2	6.5	16.0	10.6	n/a	1.7	2.5	2.5	2.5	2.5	2.5	1.0	1.0	0.8
5	0.7	1.7	1.7	0.7	1.2	0.5	4.7	1.0	5.6	0.5	4.7	1.0	5.6	8.5	38.0	1.5	8.5	2.4	2.4	2.4	0.9	15.0	1.3	
6	0.7	1.5	1.3	0.6	1.1	4.1	2.5	5.1	6.9	1.1	4.1	2.5	5.1	6.9	n/a	1.4	35.5	6.4	6.4	6.4	0.9	0.9	0.7	
7	11.0	0.9	1.2	n/a	41.5	1.9	3.8	4.3	3.5	6.1	3.8	4.3	3.5	6.1	n/a	24.0	2.3	3.9	3.9	3.9	1.5	1.0	0.6	
8	0.8	1.0	1.0	0.3	82.0	35.8	3.6	10.5	4.4	1.0	5.4	1.7	1.7	1.7	n/a	1.7	3.1	6.0	1.0	3.1	6.0	1.0	0.6	
9	0.9	9.5	1.2	0.3	7.7	3.3	27.0	8.4	4.8	7.4	4.4	4.4	4.4	4.8	n/a	1.3	2.7	9.5	1.0	2.7	9.5	1.0	1.6	
10	1.0	1.1	14.5	0.7	10.5	5.1	14.5	3.4	7.4	7.4	7.4	7.4	7.4	4.4	n/a	1.1	10.5	2.8	1.5	1.0	1.0	1.0	1.2	
11	0.5	1.0	0.9	0.4	5.5	3.9	0.5	3.1	0.5	5.9	4.2	4.2	4.2	4.2	n/a	1.1	1.0	2.6	0.9	1.1	1.0	0.9	0.8	
12	24.5	1.9	8.0	1.1	0.4	3.0	13.0	3.0	22.5	7.1	3.9	6.5	n/a	1.1	6.5	n/a	1.1	2.2	0.5	0.9	2.2	0.5	0.9	
13	1.3	1.0	1.0	0.4	2.6	20.0	4.8	5.9	3.6	18.0	n/a	3.6	18.0	n/a	1.1	2.0	1.0	0.9	1.1	2.0	1.0	0.9	1.0	
14	1.4	0.9	39.5	1.6	5.0	2.6	4.0	3.3	5.1	5.1	3.3	2.0	3.3	2.0	n/a	1.0	9.5	2.2	2.2	2.2	0.9	16.0	1.1	
15	1.2	0.9	5.0	1.8	2.2	3.0	3.0	4.4	3.2	0.5	n/a	3.2	0.5	n/a	1.0	2.0	2.0	2.0	2.0	2.0	0.9	0.9	0.8	
16	1.2	0.9	0.9	0.7	2.1	2.9	7.5	4.3	3.1	4.3	7.5	4.3	0.5	3.1	n/a	14.5	1.3	1.8	2.5	0.9	0.9	0.8	0.8	
17	0.9	0.8	0.6	0.6	23.0	2.3	2.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	n/a	1.0	1.7	1.7	1.7	1.7	0.8	6.5	0.8	
18	0.7	0.8	0.8	0.6	60.0	28.0	2.7	3.5	1.0	n/a	n/a	3.5	1.0	n/a	n/a	14.0	1.3	1.6	0.7	0.7	0.7	0.5	0.7	
19	0.6	0.7	21.0	1.1	9.8	9.0	2.9	3.3	3.3	9.0	2.9	3.3	3.3	n/a	n/a	93.0	7.3	1.5	0.6	1.5	0.6	0.6	0.6	
20	6.5	0.6	0.8	1.0	6.9	105.0	40.8	74.0	25.5	6.9	190.5	123.0	25.5	n/a	n/a	41.0	29.5	1.5	0.6	1.5	0.6	0.6	0.6	
21	14.0	2.8	0.8	0.7	5.6	9.8	6.2	106.5	128.3	5.6	9.8	123.0	128.3	n/a	n/a	2.5	6.6	1.5	0.6	1.5	0.6	0.6	0.6	
22	1.5	0.9	0.9	0.6	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	n/a	6.5	4.9	1.4	0.6	1.4	0.6	0.9	0.9	
23	6.5	1.2	1.5	0.8	4.3	4.9	9.0	45.1	4.3	4.3	9.0	45.1	4.3	n/a	n/a	3.6	6.5	1.6	0.6	1.6	0.6	1.3	1.3	
24	0.5	1.0	0.7	39.0	3.3	37.0	7.4	16.5	4.6	16.5	4.6	19.5	19.5	n/a	159.5	n/a	2.9	41.0	3.8	14.5	0.8	1.0	1.0	
25	1.0	21.5	1.4	1.5	6.6	45.0	20.5	12.4	6.6	45.0	20.5	12.4	12.4	n/a	9.5	n/a	2.6	2.0	0.8	0.8	0.8	0.8	0.9	
26	1.0	0.9	1.1	1.1	1.5	5.4	0.5	10.7	18.0	11.2	18.0	11.2	11.2	n/a	n/a	4.0	2.8	0.5	1.7	0.7	0.7	0.7	0.7	
27	0.9	1.1	1.1	1.0	6.0	5.1	7.2	8.5	7.2	6.0	5.1	7.2	8.5	n/a	n/a	2.2	1.4	1.4	1.4	1.4	1.4	1.4	0.6	
28	3.0	0.7	0.8	4.5	1.0	4.3	5.6	7.1	5.6	4.3	5.6	7.1	7.1	n/a	16.0	n/a	1.9	1.3	1.3	1.3	1.5	1.5	0.6	
29	10.5	1.4	0.8	1.1	3.9	51.5	13.5	116.0	57.5	3.9	51.5	116.0	57.5	n/a	10.0	0.9	16.0	2.2	1.2	6.0	0.8	0.7	0.7	
30	1.6	1.6	8.5	1.1	3.6	0.5	10.0	0.5	26.9	1.5	10.0	0.5	26.9	n/a	80.0	17.0	34.0	4.0	1.1	1.1	0.7	0.7	0.7	
31	0.7	0.7	30.0	3.4	7.2	7.2	7.2	n/a	n/a	n/a	5.2	2.0	1.1	2.0	1.1	2.0	1.1	2.0	1.1	2.0	1.1	2.0	1.1	0.6
total	77.0	32.9	87.5	33.0	173.6	323.5	214.2	629.0	570.2	36.5	n/a	340.5	n/a	250.5	98.1	123.5	72.0	70.5	25.9	70.5	70.5	70.5	25.8	25.8

付表 - 10. 樹芸3号沢流域の日降水量と日流出量（つづき）

JYUGEI_3GOSAWA 2009

unit: mm/day

annual precipitation: 2516.5

annual runoff:

1742.8

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	0.6	1.8	3.5	2.8	7.0	2.9	2.5	3.2	2.0	4.5	11.9	6.3	2.9	1.5	2.6	1.5	2.6	51.0	6.0	0.5	4.4			
2	0.6	1.2	2.5	3.0	2.5	2.5	3.0	1.9	1.9	12.0	11.7	47.5	10.9	0.5	2.7	42.5	4.9	5.2	2.9	9.5	5.1			
3	0.6	1.0	1.5	2.3	2.3	2.3	2.8	1.8	1.5	10.4	8.7	7.1	2.4	2.5	28.5	7.2	0.5	2.9	9.5	5.1				
4	0.6	1.1	2.0	2.3	18.5	2.7	2.7	0.5	1.8	3.5	9.4	7.1	2.4	2.4	14.5	3.0	2.7	29.0	7.5	5.8				
5	0.6	1.2	2.0	2.0	0.5	2.9	20.0	3.1	14.0	2.1	0.5	8.3	6.2	2.4	31.5	6.9	2.6	2.7	29.0	7.5				
6	0.6	1.4	38.0	5.5	5.5	2.5	36.0	4.5	12.0	2.6	26.5	5.5	2.4	2.4	14.5	3.0	2.6	2.7	29.0	7.5				
7	3.0	0.6	1.2	4.5	4.5	2.3	30.5	11.7	2.1	9.3	0.5	5.0	2.1	2.3	23.5	5.1	2.7	2.7	2.7	4.8				
8	2.0	0.8	0.9	3.4	2.2	2.3	0.9	12.7	1.9	10.0	9.2	4.5	2.4	2.4	48.0	18.0	2.6	0.5	5.3	5.3				
9	11.5	0.9	1.1	3.0	3.0	2.1	7.9	3.6	1.8	3.5	9.0	0.5	4.3	2.5	2.7	5.7	2.6	2.6	5.5	5.5				
10	0.7	3.5	1.2	12.0	3.6	2.1	5.9	1.8	1.8	8.6	10.5	10.1	20.0	2.9	3.3	6.0	8.6	6.0	6.1	6.1				
11	0.6	1.0	1.0	3.3	3.3	2.0	4.9	54.5	8.2	2.5	8.0	37.5	15.4	2.2	2.2	3.5	66.5	14.5	14.0	6.1				
12	0.5	0.6	1.0	2.3	2.0	4.4	4.0	2.9	2.9	1.0	7.0	8.0	10.1	2.5	3.4	6.0	8.6	5.8	2.0	5.5				
13	0.6	0.8	10.0	2.4	1.9	0.5	4.0	2.9	2.9	1.0	7.0	8.0	10.1	2.5	3.4	6.0	8.6	5.8	2.0	5.5				
14	0.6	1.9	60.0	19.6	7.7	3.6	2.6	3.6	2.6	6.8	7.1	7.1	7.1	2.2	3.8	20.0	7.3	2.5	4.1	4.1				
15	0.6	1.0	5.9	8.7	7.5	12.1	3.3	3.3	2.4	5.3	5.3	6.1	2.5	2.3	3.4	5.4	5.4	5.4	3.6	3.6				
16	0.5	0.5	1.0	5.9	5.4	5.4	3.1	3.1	20.5	2.6	3.9	5.5	5.5	2.4	3.2	5.3	5.3	5.3	3.1	3.1				
17	0.5	2.0	0.7	4.6	4.6	4.2	19.5	3.6	2.4	196.0	73.4	5.1	2.2	2.2	5.0	3.4	28.5	6.7	2.2	2.2				
18	4.0	0.6	0.7	3.8	3.8	3.6	1.0	3.5	1.0	2.2	1.5	29.5	4.9	2.1	2.8	2.8	2.8	2.8	2.0	2.0				
19	11.0	1.2	0.7	3.5	3.5	3.2	2.9	2.9	2.3	19.8	19.8	4.7	4.7	2.2	2.6	3.0	4.9	4.9	1.9	1.9				
20	0.8	4.0	4.0	12.7	12.7	3.0	2.7	2.7	2.0	15.7	15.7	4.3	4.3	2.0	2.7	2.7	2.7	2.7	1.9	1.9				
21	3.0	0.8	1.4	8.1	74.0	12.5	2.5	2.5	39.5	6.7	2.0	9.9	4.1	2.1	2.4	2.4	2.4	4.2	1.8	1.8				
22	5.0	0.9	1.1	15.0	7.5	0.5	16.0	8.0	2.6	58.0	166	40.0	3.7	2.1	2.4	1.5	3.9	1.6	1.6	1.6				
23	10.0	1.1	71.0	16.0	7.2	8.0	3.0	2.7	5.0	12.9	33.0	14.6	3.5	2.1	2.4	6.0	4.0	4.0	1.6	1.6				
24	0.5	4.0	6.1	5.5	5.5	5.9	4.2	4.2	93.5	43.3	66.5	24.6	3.3	2.0	11.5	2.6	1.5	3.9	1.6	1.6				
25	0.4	12.0	5.0	9.5	5.2	23.0	6.4	4.0	2.3	19.6	2.0	17.2	3.1	1.9	0.5	2.5	15.0	5.4	1.5	1.5				
26	0.4	3.8	3.8	4.3	0.5	5.9	2.1	2.1	11.9	0.5	11.4	4.0	3.2	1.9	52.0	5.4	4.6	0.5	1.6	1.6				
27	0.5	12.5	3.6	3.8	3.8	5.0	2.0	2.0	9.0	16.0	9.0	2.9	2.9	2.0	0.5	3.7	4.4	4.4	1.4	1.4				
28	0.6	3.2	3.5	3.5	3.5	4.3	23.0	3.0	23.5	9.2	32.0	11.9	2.8	2.1	2.8	2.8	4.2	6.0	1.5	1.5				
29	0.5	0.5	3.7	3.2	9.5	3.6	2.5	7.5	1.5	10.4	10.4	2.8	2.8	3.5	0.5	3.2	10.5	4.6	1.3	1.3				
30	40.5	1.9	2.9	2.9	3.4	3.4	2.3	21.0	10.5	8.0	8.0	2.7	17.0	3.2	2.9	0.5	4.8	1.3	1.3	1.3				
31	61.5	9.6	1.0	2.8	2.1	2.1	2.1	7.3	30.5	4.1	4.1	64.0	70.9	260.0	125.6	146.1	64.5	105.8	1.0	1.0				
total	152.5	30.4	169.5	65.1	205.0	152.7	206.5	140.7	178.0	121.1	345.5	198.2	464.5	409.8	176.4	64.0	70.9	260.0	125.6	146.1	64.5	105.8		

付表 - 10. 樹芸 3号沢流域の日降水量と日流出量(つづき)

JYUGEI_3GOSAWA_2010

unit: mm/day

annual precipitation: 2519.5

annual runoff: 1467.9

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	0.8	18.0	2.8	7.4	2.5	2.7	6.2	3.1	4.5	3.1	4.2	0.5	2.8	4.2	0.5	2.8	1.5	3.0	2.9	2.6	21.5	5.9	3.3	4.5
2	0.8	2.5	1.8	7.5	6.9	4.1	5.1	2.9	4.2	5.1	5.1	2.9	2.9	4.2	0.5	2.8	1.4	3.0	2.6	2.6	21.5	5.9	3.3	4.5
3	0.8	1.2	5.1	3.1	4.5	3.1	4.5	2.8	48.5	8.0	2.6	2.6	2.6	2.6	2.6	2.6	1.3	3.5	2.3	2.3	2.5	50.0	6.6	1.0
4	0.5	0.8	1.0	5.0	4.1	2.7	4.1	2.7	24.5	19.7	1.0	2.4	2.4	2.4	2.4	2.4	1.2	19.0	2.9	2.9	2.1	2.1	2.1	2.6
5	8.0	1.0	1.0	7.5	4.3	6.6	3.8	4.3	3.8	4.3	3.8	4.3	3.8	4.3	3.8	4.3	1.2	2.0	2.0	2.0	1.9	1.9	1.9	2.0
6	0.8	0.9	41.5	8.9	6.6	6.6	3.5	2.3	7.7	7.7	2.2	2.2	2.2	2.2	2.2	2.2	1.2	1.8	1.8	1.8	1.8	1.8	1.5	1.7
7	0.7	0.9	27.0	10.4	3.0	5.0	37.0	5.5	2.1	39.0	8.9	2.0	2.0	2.0	2.0	2.0	1.1	0.5	1.6	1.6	1.7	14.0	2.4	
8	0.7	0.8	1.1	3.5	6.8	3.9	3.9	4.2	4.6	9.0	2.2	2.2	2.2	2.2	2.2	2.2	1.6	1.6	1.5	1.5	1.7	8.0	2.4	
9	0.7	0.7	1.2	1.5	5.8	3.8	3.8	3.3	3.7	8.0	2.4	2.4	2.4	2.4	2.4	2.4	1.3	25.5	2.3	2.3	1.5	1.5	7.5	2.2
10	0.7	1.2	1.5	5.8	4.2	4.2	3.6	3.3	3.8	0.5	3.3	2.2	2.2	16.6	1.5	4.7	1.2	68.5	18.3	1.4	1.4	1.4	1.4	1.8
11	0.7	1.2	1.5	5.8	4.2	4.2	3.6	3.3	3.8	0.5	3.3	2.2	2.2	16.6	1.5	4.7	1.2	68.5	18.3	1.4	1.4	1.4	1.4	1.8
12	12.0	1.4	3.0	1.5	3.5	39.5	4.7	0.5	3.1	2.1	0.5	7.0	2.2	0.5	7.0	2.2	1.0	0.5	3.6	3.6	1.4	1.4	1.5	1.5
13	1.1	1.5	1.5	3.2	6.5	7.8	3.2	6.5	2.7	1.5	2.0	20.5	6.9	3.7	3.7	3.7	1.0	1.0	3.0	3.0	1.3	14.0	1.8	1.8
14	0.9	0.5	1.4	2.8	2.8	6.3	5.5	2.7	3.0	2.0	1.5	5.9	3.2	3.2	3.2	3.2	1.2	1.2	2.6	2.6	1.4	35.0	9.5	9.5
15	0.9	24.5	2.5	4.5	4.3	4.0	5.7	2.4	26.5	2.6	4.0	5.9	3.0	3.0	3.0	3.0	0.9	0.5	2.4	2.4	1.3	1.3	4.4	4.4
16	0.9	5.5	2.0	71.0	16.2	12.0	6.3	2.3	26.0	6.2	5.4	5.4	2.9	23.5	2.0	2.1	2.0	2.1	2.1	2.1	1.2	1.2	3.2	3.2
17	1.0	1.3	7.0	8.5	6.5	2.2	2.2	3.0	5.0	5.0	5.0	5.0	2.7	2.7	2.7	1.9	1.9	2.0	2.0	1.5	1.4	2.7	2.7	
18	1.0	8.5	1.2	1.5	5.0	6.2	2.1	77.0	14.8	4.8	4.8	4.8	2.5	2.5	2.5	1.7	1.7	1.9	1.9	1.2	1.2	2.3	2.3	
19	0.8	0.8	4.1	6.0	7.5	2.2	23.5	22.5	4.4	4.4	4.4	4.4	2.3	2.3	2.3	2.0	2.0	1.8	1.8	1.0	1.0	2.1	2.1	
20	0.5	0.6	0.6	3.5	16.0	6.6	90.0	17.8	10.0	10.2	4.2	4.2	2.3	2.3	2.3	1.8	1.8	3.5	1.7	1.0	1.0	2.0	2.0	
21	11.0	0.8	0.6	13.5	3.7	0.5	5.7	7.8	35.0	18.1	4.0	4.0	2.3	2.3	2.3	1.8	1.8	8.0	1.8	1.0	1.0	11.0	1.9	1.9
22	0.5	0.7	2.8	50.0	7.6	5.4	35.0	22.2	3.7	2.2	2.2	2.2	2.2	2.2	2.2	1.2	1.2	1.5	26.5	1.9	27.0	5.0	5.0	
23	0.4	0.9	0.5	2.7	6.5	10.0	51.0	9.1	80.0	49.8	3.6	3.6	2.2	13.0	0.8	0.8	1.3	34.5	3.4	2.7	2.7	2.7	2.7	
24	0.4	0.9	34.0	3.9	2.5	6.7	12.5	14.5	36.8	3.5	3.5	3.5	2.2	18.0	1.9	10.5	1.6	0.5	1.6	0.5	1.6	2.3	2.3	
25	0.4	0.6	26.5	7.3	5.1	9.7	12.0	9.7	12.0	9.7	3.2	3.2	2.1	0.5	0.9	4.5	1.7	12.5	1.5	1.5	1.5	2.1	2.1	
26	0.4	73.5	4.0	6.6	4.2	7.4	0.5	9.4	2.9	7.4	0.5	9.4	2.0	22.0	1.2	0.5	1.1	1.6	1.6	1.6	1.6	1.9	1.9	
27	0.4	74.0	29.1	4.7	56.0	6.7	5.8	5.0	8.1	2.6	2.6	1.9	21.0	3.3	1.1	1.0	1.3	1.8	1.8	1.8	1.8	1.8	1.8	1.8
28	18.0	1.5	27.5	10.2	1.0	3.8	69.5	39.9	0.5	4.9	2.2	2.2	1.8	64.0	9.8	22.5	2.0	2.0	2.0	2.0	1.1	0.5	1.7	1.7
29	1.7	1.7	6.5	3.4	0.5	15.3	0.5	4.4	5.8	54.5	5.6	4.7	1.7	1.7	1.7	2.5	4.0	1.7	1.7	1.0	1.0	1.7	1.7	
30	1.5	1.5	0.5	2.8	8.8	3.8	3.8	5.1	8.0	5.4	5.4	5.4	1.6	23.5	3.0	52.5	6.5	6.5	6.5	1.0	0.5	1.6	1.6	
31	12.0	1.9	2.6	3.4	3.5	1.6	1.6	3.5	1.6	1.6	1.6	1.6	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
total	62.0	27.0	251.5	73.9	260.5	166.9	340.0	212.4	210.5	161.3	340.0	266.6	260.5	204.2	90.5	82.4	205.5	54.0	227.0	88.5	98.0	51.7	173.5	79.0

付表 - 10. 樹芸3号沢流域の日降水量と日流出量（つづき）

JYUGEI_3GOSAWA 2011

unit: mm/day

annual precipitation: 2202.5

annual runoff:

1599.5

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	1.5		1.1	8.5	1.2	14.5	3.7	7.1	3.1	0.5	2.1	24.5	3.3	4.1						2.0	8.5	2.6		
2	1.4		1.2	5.4	1.2	3.4	46.5	10.1	3.0	0.5	2.0	23.0	5.7	3.6						1.9	1.5	2.4		
3	1.3		1.1	3.9	1.2	0.5	3.1	12.4	2.8	1.9	56.0	7.4	3.1	3.1						2.1	7.0	2.7		
4	0.5	1.3	1.2	3.4	1.1	2.0	3.0	8.3	2.7	3.1	2.7	21.0	17.2	2.8						1.9		2.3		
5	1.4	1.1	1.1	2.9	1.1	2.7	2.0	6.6	4.9	7.0	3.7	14.0	12.4	3.8	11.5	2.4				3.1	12.5	2.5		
6	1.3	0.7	1.1	2.7	1.1	2.6	2.6	5.5	5.0	2.9	2.4		8.6	4.0	3.7	17.5	3.1			2.1				
7	1.4	0.8	0.8	3.7	1.1	6.5	2.7	4.7	173.0	103.1	2.2		6.2	2.9	2.5	2.1				2.2				
8	1.6	6.0	0.9	2.9	1.1	2.7	1.5	4.3	1.0	133.3	2.0	4.9	2.4	0.5	1.9	11.0	2.3							
9	1.5	12.0	2.0	2.6	83.0	12.7	2.4	3.8	15.5	2.4	1.8	4.3	2.3	2.3	1.6	2.1								
10	1.3	1.5	1.5	2.4	6.3	8.0	2.5	3.5	11.2	1.7	3.9	3.9	3.2	2.5	1.5	0.5	1.7							
11	1.3	11.5	1.7	2.3	4.0	37.0	4.8	60.0	11.4	1.6	3.6	3.6	3.2	36.5	3.7	1.6								
12	1.3	13.5	2.1	2.2	3.1	17.5	7.4	1.5	7.6	7.1	1.5	3.3	3.3	2.9	1.6									
13	1.3	1.6	1.6	2.2	2.7	1.0	6.7	33.5	5.9	1.5	3.2	3.2	3.2	2.1	1.5									
14	1.3	7.5	1.7	2.2	2.5	2.5	4.7	9.4	5.1	1.5	3.1	1.5	3.4	1.8	3.5	1.6								
15	1.3	0.5	1.8	2.1	26.0	3.2	3.8	6.9	4.8	1.4	3.0	35.0	4.3	1.6	1.5									
16	1.2	1.1	1.1	1.7	18.0	7.8	3.5	23.5	6.4	4.6	1.3	10.0	3.3	28.0	8.0	1.5								
17	1.2	15.5	1.0	1.4	1.4	4.6	26.0	7.4	8.5	7.7	4.4	1.3	12.5	4.0	1.2	1.3								
18	1.2	39.0	6.5	1.4	1.5	3.9	5.1	12.0	6.5	4.2	1.2	3.4	3.4	2.8	1.4									
19	1.1	1.5	1.4	1.4	3.0	3.6	4.1	8.0	7.3	27.0	5.6	1.2	0.5	3.2	2.4	149.5	34.2							
20	0.9	1.3	3.5	1.4	3.0	3.6	6.5	6.4	53.0	14.7	1.1	22.5	4.6	2.2	28.3	1.2								
21	0.9	1.1	19.5	2.3	2.7	3.3	27.0	9.6	7.8	4.5	1.5	103.5	32.6	4.0	2.2	9.3								
22	0.9	1.0	14.5	2.4	2.5	2.5	3.2	8.7	3.9	18.5	2.2	15.0	42.0	5.9	6.1	1.1								
23	0.9	1.0	1.5	1.9	68.5	9.6	6.0	3.0	0.5	7.1	3.4	13.5	2.1	9.2	18.5	9.7	2.5	5.0						
24	0.8	13.5	1.4	3.0	1.7	0.5	12.6	15.5	3.4	6.0	3.0	24.5	2.7	7.1	5.6	4.2								
25	0.8	1.2	5.5	1.7	6.7	6.7	2.7	5.2	2.5	10.5	3.8	6.1	6.1	4.1	3.6	1.0								
26	0.9	1.2	1.6	1.6	5.0	2.5	4.7	28.5	4.7	1.9	4.0	5.8	3.2	3.2	5.8	0.9								
27	0.8	1.2	4.4	1.4	1.0	4.4	5.0	4.3	3.0	3.4	12.5	1.7	3.5	5.3	3.0	0.9								
28	0.8	86.5	15.6	1.4	18.5	5.2	44.0	4.5	3.9	2.9	1.5	4.5	2.5	2.9	0.9									
29	0.8			1.3	3.8	56.0	16.3	3.6	0.5	2.7	4.3	4.3	3.0	3.0	0.9									
30	1.3			1.3	3.3	25.0	22.9	3.3	7.5	2.6	4.4	4.4	2.7	2.3	0.9									
31	1.3			1.3	3.3	25.0	22.9	3.3	7.5	2.6	4.4	4.4	2.7	2.3	0.9									
total	0.5	36.3	205.5	55.6	78.5	75.0	220.0	122.3	264.5	154.9	231.5	207.9	341.0	387.0	135.5	57.8	295.0	202.9	162.5	110.1	223.5	142.4	44.5	47.3

付表 - 11 . 袋山沢 A 流域の渓流水質 (つづき)

FUKUROYAMASAWA A

2005 / 2006

2005	採水日	採水時刻	水位 (mm)	水温 (°C)	pH	EC (µS/cm)	Na ⁺ (mg/L)	K ⁺ (mg/L)	Mg ²⁺ (mg/L)	Ca ²⁺ (mg/L)	NH ₄ ⁺ (mg/L)	Cl ⁻ (mg/L)	NO ₃ ⁻ (mg/L)	SO ₄ ²⁻ (mg/L)
1	2005/1/19				5.98	107	6.84	0.58	2.53	9.37		10.61	0.00	10.97
2	2005/2/16				6.24	150	6.60	0.65	2.80	10.54		9.99	0.48	14.40
3														
4	2005/4/20				6.61	123	7.69	0.82	3.17	11.62		10.40	0.00	11.26
5	2005/5/18				6.79	150	7.96	0.84	3.47	13.11		9.99	0.46	11.21
6	2005/6/14				6.43	136	7.70	0.90	3.11	11.68		9.71	0.65	10.43
7	2005/7/20				6.23	135	9.18	1.04	3.51	13.39		9.81	0.55	8.17
8														
9														
10	2005/10/19				6.33	100	8.05	1.50	2.58	9.39		9.10	0.67	7.51
11	2005/11/16				6.68	129	9.19	0.84	3.50	12.97		9.47	1.17	10.96
12														

2006	採水日	採水時刻	水位 (mm)	水温 (°C)	pH	EC (µS/cm)	Na ⁺ (mg/L)	K ⁺ (mg/L)	Mg ²⁺ (mg/L)	Ca ²⁺ (mg/L)	NH ₄ ⁺ (mg/L)	Cl ⁻ (mg/L)	NO ₃ ⁻ (mg/L)	SO ₄ ²⁻ (mg/L)
1														
2	2006/2/15				7.18	109	7.95	0.81	2.82	10.42		9.98	0.33	10.22
3														
4	2006/4/19	11:37			6.07	118	8.17	1.23	3.06	11.78	0.00	10.12	0.07	9.15
5	2006/5/17	12:30		14.9	6.36	117	7.74	0.84	3.13	12.09	0.00	8.57	0.27	10.77
6	2006/6/21	11:03		19.8	6.36	111	8.87	1.07	2.91	11.51	0.00	10.10	0.29	9.23
7	2006/7/19	11:48		18.3	6.00	82	6.32	0.94	2.19	8.35	0.00	7.25	2.22	6.39
8	2006/8/16	11:02		22.5	6.15	126	8.97	1.38	3.34	12.92	0.00	8.33	0.65	10.14
9														
10	2006/10/24	12:46		15.2	6.27	94	6.93	0.64	2.59	9.95	0.00	7.73	0.47	6.94
11	2006/11/22	12:37		14.0	6.43	114	7.97	0.76	3.16	11.44	0.00	9.11	0.49	9.44
12	2006/12/27	12:00		13.6	6.28	88	6.61	0.75	2.65	10.00	0.00	8.44	0.32	6.67

付表 - 12. 袋山沢 B 流域の渓流水質

FUKUROYAMASAWA B

2003 / 2004

2003	採水日	採水時刻	水位 (mm)	水温 (°C)	pH	EC (μ S/cm)	Na ⁺ (mg/L)	K ⁺ (mg/L)	Mg ²⁺ (mg/L)	Ca ²⁺ (mg/L)	NH ₄ ⁺ (mg/L)	Cl ⁻ (mg/L)	NO ₃ ⁻ (mg/L)	SO ₄ ²⁻ (mg/L)
1														
2														
3														
4														
5														
6														
7														
8														
9	2003/9/17				6.69	108	7.52	0.76	3.06	11.55		5.19	0.71	5.41
10	2003/10/15				6.24	84	5.99	0.65	2.12	7.78		3.89	2.49	5.94
11														
12														

2004	採水日	採水時刻	水位 (mm)	水温 (°C)	pH	EC (μ S/cm)	Na ⁺ (mg/L)	K ⁺ (mg/L)	Mg ²⁺ (mg/L)	Ca ²⁺ (mg/L)	NH ₄ ⁺ (mg/L)	Cl ⁻ (mg/L)	NO ₃ ⁻ (mg/L)	SO ₄ ²⁻ (mg/L)
1	2004/1/21				6.88	139	6.29	0.57	2.41	9.07		4.92	1.81	6.06
2	2004/2/18						6.04	0.59	2.40	9.21		4.82	0.94	6.22
3	2004/3/17				6.93	108	6.42	0.64	2.46	9.40		4.69	0.36	6.16
4	2004/4/20				6.58	94	5.64	0.59	2.02	7.64		3.48	2.29	5.80
5	2004/5/19				6.64	107	5.97	0.69	2.41	9.13		3.55	1.20	6.69
6														
7	2004/7/21				6.83	129	6.83	0.97	3.03	11.69		4.19	0.00	4.17
8	2004/8/18				6.53	110	6.61	1.29	3.28	13.13		5.03	0.17	3.61
9	2004/9/22				6.19	143	6.01	0.87	2.94	10.59		3.95	0.69	5.62
10	2004/10/20				5.62	107	4.90	0.65	1.81	6.51		3.26	1.07	5.44
11	2004/11/17				5.88	93	5.28	0.71	2.03	7.39		3.92	1.24	6.51
12	2004/12/21						5.73	0.67	2.23	8.31		4.42	0.75	6.42

付表 - 12. 袋山沢 B 流域の渓流水質 (つづき)

FUKUROYAMASAWA B

2005 / 2006

2005	採水日	採水時刻	水位 (mm)	水温 (°C)	pH	EC ($\mu\text{S}/\text{cm}$)	Na ⁺ (mg/L)	K ⁺ (mg/L)	Mg ²⁺ (mg/L)	Ca ²⁺ (mg/L)	NH ₄ ⁺ (mg/L)	Cl ⁻ (mg/L)	NO ₃ ⁻ (mg/L)	SO ₄ ²⁻ (mg/L)
1	2005/1/19				5.59	79	5.31	0.58	1.98	7.45		4.10	0.97	6.49
2														
3														
4	2005/4/20				6.45	79	5.40	0.57	2.15	8.11		4.01	0.29	6.61
5	2005/5/18				6.64	136	6.17	0.64	2.40	9.03		3.63	0.14	5.88
6														
7	2005/7/20				6.50	89	6.41	0.68	2.42	9.18		3.56	0.00	5.41
8														
9	2005/9/21				6.90	104	6.87	0.79	2.83	10.80		3.82	0.34	4.65
10	2005/10/19				6.14	71	6.07	0.72	2.03	7.78		3.47	0.89	4.96
11	2005/11/16				6.49	88	6.72	1.43	2.47	9.15		3.72	0.91	5.98
12	2005/12/21				7.73	87	6.15	0.66	2.41	9.12		4.00	0.15	5.45

2006	採水日	採水時刻	水位 (mm)	水温 (°C)	pH	EC ($\mu\text{S}/\text{cm}$)	Na ⁺ (mg/L)	K ⁺ (mg/L)	Mg ²⁺ (mg/L)	Ca ²⁺ (mg/L)	NH ₄ ⁺ (mg/L)	Cl ⁻ (mg/L)	NO ₃ ⁻ (mg/L)	SO ₄ ²⁻ (mg/L)
1														
2	2006/2/15				7.13	78	5.86	0.57	2.20	8.21		3.74	0.92	6.66
3	2006/3/15				6.84	76	5.57	0.55	2.16	8.71		3.59	0.65	6.31
4	2006/4/19	11:13		12.2	6.19	79	5.64	0.69	2.16	8.53	0.00	3.88	0.89	6.00
5	2006/5/17	12:12		15.9	6.36	78	5.73	0.58	2.23	8.80	0.00	3.43	0.66	5.81
6	2006/6/21	10:34		24.1	6.55	77	6.49	0.67	2.22	8.99	0.00	3.66	0.81	6.12
7	2006/7/19	11:30		18.5	5.74	66	4.72	0.77	1.89	7.76	0.00	2.99	1.96	3.89
8	2006/8/16	10:44		22.4	6.64	91	6.59	0.77	2.58	10.28	0.00	3.63	0.56	5.67
9	2006/9/20	11:27		22.7	6.36	101	6.65	0.82	3.10	12.01	0.00	3.71	0.48	5.40
10	2006/10/24	13:00		15.4	6.04	74	5.22	0.58	2.18	8.38	0.00	3.24	0.61	4.53
11	2006/11/22	12:24		14.8	6.56	79	5.82	0.70	2.46	9.45	0.04	3.72	1.10	5.71
12	2006/12/27	11:43		14.2	5.51	68	4.82	0.65	2.22	8.46	0.00	3.48	0.80	5.00

付表 - 12. 袋沢川B流域の渓流水質（つづき）

FUKUROYAMASAWA B

2007 / 2008

2007	採水日	採水時刻	水位 (mm)	水温 (°C)	pH	EC (μS/cm)	Na ⁺ (mg/L)	K ⁺ (mg/L)	Mg ²⁺ (mg/L)	Ca ²⁺ (mg/L)	NH ₄ ⁺ (mg/L)	Cl ⁻ (mg/L)	NO ₃ ⁻ (mg/L)	SO ₄ ²⁻ (mg/L)
1	2007/1/17	11:22		7.6	6.28	77	5.69	0.70	2.76	10.95	0.00	3.97	0.43	5.91
2	2007/2/21	12:29		11.0	6.05	78	5.83	0.72	2.76	11.23	0.00	3.94	0.82	6.04
3	2007/3/14	12:16		11.6	6.22	74	5.83	0.63	3.00	12.10	0.00	4.04	0.79	6.31
4	2007/4/21	9:40		13.9	6.76	78	5.45	0.66	2.69	10.87	0.00	3.85	0.64	5.96
5	2007/5/16	14:19			6.90	85	6.57	0.75	3.36	14.70	0.00	3.79	0.29	5.78
6	2007/6/20	14:41		21.4	6.88	94	6.23	0.70	3.22	13.50	0.00	3.72	0.45	5.39
7	2007/7/21	15:00		18.7	6.01	84	5.70	0.66	2.83	11.46	0.00	3.64	0.51	5.49
8	2007/8/29	12:35		24.1	6.88	164	7.03	1.36	3.49	13.69	0.00	4.43	0.47	3.57
9	2007/9/19	11:41		20.8	6.83	111	6.43	1.60	3.17	13.18	0.00	4.37	0.54	5.47
10	2007/10/17	16:07		16.5	6.68	100	6.68	1.03	3.45	14.38	0.00	4.39	0.53	5.11
11	2007/11/23			8.3	6.77	87	6.31	0.94	3.03	12.25	0.00	4.44	0.51	5.95
12	2007/12/11	12:45		8.7		95	6.31	1.04	3.03	11.42	0.00	4.42	0.24	5.51

2008	採水日	採水時刻	水位 (mm)	水温 (°C)	pH	EC (μS/cm)	Na ⁺ (mg/L)	K ⁺ (mg/L)	Mg ²⁺ (mg/L)	Ca ²⁺ (mg/L)	NH ₄ ⁺ (mg/L)	Cl ⁻ (mg/L)	NO ₃ ⁻ (mg/L)	SO ₄ ²⁻ (mg/L)
1	2008/1/16	11:40		8.7	7.88	95								
2	2008/2/20	13:18					5.50	0.62	2.74	10.74	0.00	3.94	0.38	6.19
3	2008/3/12	14:35					5.75	0.88	2.91	12.07	0.00	4.05	0.60	6.35
4	2008/4/16	12:05		14.6	6.66	72	5.47	0.73	2.65	10.92	0.00	4.00	0.20	6.48
5	2008/5/14	12:45		12.1	6.83	61	4.51	1.20	2.14	9.18	0.00	3.25	0.31	4.90
6	2008/6/19	9:50		17.9	6.74	81	6.04	1.64	2.87	11.98	0.07	3.94	0.20	4.89
7														
8														
9														
10														
11														
12														

付表 - 13 . 丸山沢流域の渓流水質

MARUYAMAZAWA

2003 / 2004

2003	採水日	採水時刻	水位* (mm)	水温 (°C)	pH	EC (μ S/cm)	Na ⁺ (mg/L)	K ⁺ (mg/L)	Mg ²⁺ (mg/L)	Ca ²⁺ (mg/L)	NH ₄ ⁺ (mg/L)	Cl ⁻ (mg/L)	NO ₃ ⁻ (mg/L)	SO ₄ ²⁻ (mg/L)
1														
2														
3														
4														
5														
6														
7														
8	2003/8/21	10:00		12.7	7.3	28	3.22	0.72	0.71	2.49	0.05	2.05	0.00	2.29
9	2003/9/16	11:30	194	10.0	6.3	49	2.83	0.52	0.60	2.02	0.00	1.77	0.00	2.59
10	2003/10/13	11:20	176	8.6	6.7	55	3.27	0.75	0.66	2.36	0.00	2.20	0.00	2.59
11	2003/11/20	14:10	183	5.0	7.3	49	2.93	0.62	0.56	2.00	0.00	2.17	0.32	2.64
12														

2004	採水日	採水時刻	水位* (mm)	水温 (°C)	pH	EC (μ S/cm)	Na ⁺ (mg/L)	K ⁺ (mg/L)	Mg ²⁺ (mg/L)	Ca ²⁺ (mg/L)	NH ₄ ⁺ (mg/L)	Cl ⁻ (mg/L)	NO ₃ ⁻ (mg/L)	SO ₄ ²⁻ (mg/L)
1														
2														
3														
4														
5	2004/5/20	14:20	295	11.9	7.2	38	3.30	0.58	0.51	1.69	0.00	2.03	0.00	2.61
6	2004/6/16	10:34	176	11.1	7.4	44	4.36	0.64	0.64	2.19	0.08	1.74	0.00	2.35
7	2004/7/21	15:30	215	13.0	7.4	42	4.55	0.75	0.63	2.13	0.06	1.95	0.00	2.82
8	2004/8/30	10:30	154	11.0	7.7	47	2.50	0.74	0.78	2.87	0.03	2.10	0.14	2.06
9	2004/9/24	14:15	154	11.0	7.6	38	2.83	0.76	0.79	2.85	0.00	2.29	0.00	1.96
10	2004/10/18	10:35	146	7.8	7.5	54	2.87	0.81	0.77	2.82	0.00	2.39	0.00	2.18
11	2004/11/18	13:20	259	4.6	6.6	58	2.92	0.50	0.57	1.87	0.00	2.98	0.43	2.23
12														

* :ポイントゲージ読みであり、越流水深とは異なる

付表 - 13 . 丸山沢流域の渓流水質 (つづき)

MARUYAMAZAWA

2005 / 2006

2005	採水日	採水時刻	水位*	水温	pH	EC	Na ⁺	K ⁺	Mg ²⁺	Ca ²⁺	NH ₄ ⁺	Cl ⁻	NO ₃ ⁻	SO ₄ ²⁻
			(mm)	(°C)		(μS/cm)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
1														
2														
3														
4														
5	2005/5/18	15:00	499	6.9	6.57	14	2.53	0.33	0.38	1.25	0.02	2.38	0.00	2.14
6	2005/6/21	11:10	168	12.9	7.52	27	2.81	0.48	0.53	1.88	0.00	1.87	0.00	2.01
7	2005/7/20	10:00	183	12.2	7.31	28	4.17	0.95	0.93	3.02	0.07	1.98	0.00	2.44
8	2005/8/26	12:06	343	10.7	6.86	22	3.91	0.78	0.76	2.58	0.00	2.44	0.00	2.93
9	2005/9/21	13:40	190	10.9	7.08	27	4.29	0.97	1.03	4.53	0.00	2.43	0.00	2.68
10	2005/10/25	15:05	175	5.5	6.98	29	4.91	1.34	1.15	4.05	0.00	3.61	0.00	2.93
11	2005/11/18	14:50		4.7	7.15	22	4.20	1.01	3.31	6.39	0.00	2.70	0.70	2.93
12														

2006	採水日	採水時刻	水位*	水温	pH	EC	Na ⁺	K ⁺	Mg ²⁺	Ca ²⁺	NH ₄ ⁺	Cl ⁻	NO ₃ ⁻	SO ₄ ²⁻
			(mm)	(°C)		(μS/cm)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
1														
2														
3														
4														
5	2006/5/18	11:30	393	11.9	6.80	20								
6	2006/6/21	9:32	192	9.5	6.57	27	3.61	1.18	1.39	4.02	0.00	2.00	0.45	1.99
7	2006/7/24	10:50	220	10.9	7.04	27	3.67	0.75	0.95	2.95	0.00	2.07	0.23	1.90
8	2006/8/22	11:40	425	12.3	6.48	24	3.28	0.74	0.85	2.42	0.14	2.32	0.45	2.06
9	2006/9/19	11:20	177	11.2	7.69	40	3.86	1.15	1.28	3.93	0.00	2.65	0.45	2.07
10	2006/10/20	10:59	271	9.0	6.80	26	3.14	0.78	2.80	2.27	0.13	2.49	0.34	2.20
11	2006/11/15	13:54	352	5.5	6.69	20	3.26	0.90	1.43	3.36	0.02	2.73	0.72	2.23
12														

* : ポイントゲージ読みであり、越流水深とは異なる

付表 - 13. 丸山沢流域の渓流水質 (つづき)

MARUYAMAZAWA

2007 / 2008

2007	採水日	採水時刻	水位*	水温	pH	EC	Na ⁺	K ⁺	Mg ²⁺	Ca ²⁺	NH ₄ ⁺	Cl ⁻	NO ₃ ⁻	SO ₄ ²⁻
			(mm)	(°C)		(μS/cm)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
1														
2														
3														
4														
5	2007/5/16	13:37	337	11.1	7.39	26	3.13	0.68	0.76	2.78	0	2.21	0	2.17
6	2007/6/13	10:36	172	14.0	7.24	36								
7	2007/7/18	11:54	133	13.3	7.28	39	4.26	1.07	1.08	4.39	0	2.14	0	1.94
8	2007/8/15	15:18	129	17.6	7.48	50	4.50	1.22	1.12	4.71	0	2.24	0	1.91
9	2007/9/19	9:52	220	11.2	7.35	34	3.55	0.87	0.97	3.66	0.05	2.33	0	2.00
10	2007/10/10	10:20	192	9.4	7.16	33	3.71	0.94	1.05	3.97	0	2.42	0	2.05
11	2007/11/13	13:35	210	6.3	7.36	33	3.51	0.93	1.00	3.86	0.06	2.86	0	2.08
12														

2008	採水日	採水時刻	水位*	水温	pH	EC	Na ⁺	K ⁺	Mg ²⁺	Ca ²⁺	NH ₄ ⁺	Cl ⁻	NO ₃ ⁻	SO ₄ ²⁻
			(mm)	(°C)		(μS/cm)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
1														
2														
3														
4														
5	2008/5/21	12:30	246	9.0	7.26	29	3.16	0.70	0.81	3.61	0	2.27	0	2.19
6	2008/6/18	10:30	182	11.5	8.84	34	3.65	0.86	0.90	4.06	0	1.99	0	2.11
7	2008/7/18	10:00	143	13.4	6.91	42	4.25	1.14	1.15	4.01	0.02	2.26	0.69	2.34
8	2008/8/20	10:25	159	11.8	6.83	41	3.11	0.97	0.93	2.97	0.03	1.82	0.34	2.35
9	2008/9/17	10:05	142	12.7	6.95	46	4.32	1.17	1.23	4.17	0.03	2.48	0.37	2.64
10	2008/10/22	11:55	128	9.3	7.24	47	4.29	1.36	1.32	4.46	0.06	2.73	0	2.64
11	2008/11/19	14:00		4.5	6.75	30	3.28	0.81	1.01	3.16	0.05	3.27	1.13	2.85
12														

*: ポイントゲージ読みであり、越流水深とは異なる

附表 - 13. 丸山沢流域の渓流水質 (つづき)

MARUYAMAZAWA

2009 / 2010

2009	採水日	採水時刻	水位*	水温	pH	EC	Na ⁺	K ⁺	Mg ²⁺	Ca ²⁺	NH ₄ ⁺	Cl ⁻	NO ₃ ⁻	SO ₄ ²⁻
			(mm)	(°C)		(μS/cm)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
1														
2														
3														
4														
5	2009/5/20	10:00	226	11.1	6.89	29	3.35	0.76	0.84	2.85	0.05	2.37	0.42	2.63
6	2009/6/17	10:25	225	9.4	6.78	28	3.27	0.88	1.36	3.13	0.06	2.02	0.65	2.30
7	2009/7/22	10:20	562	10.0	7.05	25	3.13	0.55	0.85	2.59	0.00	2.17	0.56	2.42
8	2009/8/19	14:55	196	11.7	7.53	36	4.06	0.91	1.07	3.40	0.00	2.50	0.51	2.33
9	2009/9/16	10:30	194	11.5	7.32	40	3.92	0.93	1.03	3.45	0.00	2.50	0.30	2.37
10	2009/10/21	14:00	216	9.2	7.45	37	3.79	1.00	1.06	3.55	0.00	2.78	0.29	2.50
11	2009/11/18	11:05	324	5.0	7.48	28	3.46	0.74	0.92	2.83	0.00	2.86	0.99	2.76
12														

2010	採水日	採水時刻	水位*	水温	pH	EC	Na ⁺	K ⁺	Mg ²⁺	Ca ²⁺	NH ₄ ⁺	Cl ⁻	NO ₃ ⁻	SO ₄ ²⁻
			(mm)	(°C)		(μS/cm)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
1														
2														
3														
4														
5	2010/5/19	12:50	346	11.9	7.48	24	3.03	0.66	0.80	2.56	0.00	2.54	0.52	2.68
6	2010/6/16	13:11	171	11.5	7.59	36	3.96	0.91	0.99	3.59	0.00	2.27	0.40	2.67
7	2010/7/21	10:20	171	13.8	6.62	37	4.03	1.05	1.10	3.93	0.00	2.37	0.68	2.45
8	2010/8/18	15:00	321	13.1	7.35	31	3.72	0.85	0.89	3.21	0.00	2.51	0.58	2.35
9	2010/9/22	11:02	190	11.4	7.06	38	3.96	0.95	1.02	3.85	0.00	2.55	0.48	2.35
10	2010/10/19	13:30	184	8.7	6.64	36	3.96	1.09	1.13	3.96	0.00	2.67	0.62	2.35
11	2010/11/17	11:30	229	5.0	7.49	31	3.56	0.81	1.00	3.52	0.00	2.72	1.39	2.61
12														

* : ポイントゲージ読みであり、越流水深とは異なる

付表 - 13 . 丸山沢流域の渓流水質 (つづき)

MARUYAMAZAWA

2011

2011	採水日	採水時刻	水位*	水温	pH	EC	Na ⁺	K ⁺	Mg ²⁺	Ca ²⁺	NH ₄ ⁺	Cl ⁻	NO ₃ ⁻	SO ₄ ²⁻
1			(mm)	(°C)		(μS/cm)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
2														
3														
4														
5	2011/5/18	10:10	300	10.0	6.67	27	3.46	0.77	0.82	2.67	0.00	2.72	1.04	2.98
6	2011/6/22	10:10	168	13.2	6.44	37	4.08	1.09	1.04	4.06	0.00	2.45	0.78	2.89
7	2011/7/20	10:30	369	11.6	6.80	29	3.50	0.84	0.86	2.81	0.00	2.40	1.06	2.65
8	2011/8/17	9:54		13.4	6.29	23	3.07	1.11	0.72	3.01	0.00	2.57	1.44	2.84
9	2011/9/21	13:10	250	10.0	7.77	33	3.72	0.89	0.95	3.47	0.00	2.51	0.90	2.60
10	2011/10/19	9:28		7.9	6.27	36	3.67	0.93	0.98	3.36	0.00	2.55	0.77	2.67
11	2011/11/16	13:48	191	3.7	8.37	33	3.82	0.94	1.00	3.68	0.00	2.65	0.92	3.12
12														

* :ポイントゲージ読みであり, 越流水深とは異なる

付表 - 14 . トウバク沢流域の渓流水質

TOUBAKUSAWA

2003 / 2004

2003	採水日	採水時刻	水位 (mm)	水温 (°C)	pH	EC (μS/cm)	Na (mg/L)	K (mg/L)	Mg (mg/L)	Ca (mg/L)	NH ₄ ⁺ (mg/L)	Cl ⁻ (mg/L)	NO ₃ ⁻ (mg/L)	SO ₄ ²⁻ (mg/L)
1														
2														
3														
4														
5														
6														
7														
8	2003/8/26	14:00		12.5	6.72	47	1.25	0.41	0.29	4.55		0.50	0.76	3.27
9	2003/9/17	12:38		12.0	6.54	59	1.33	0.41	0.34	5.68		0.50	0.87	3.97
10	2003/10/16	11:24		8.1	6.74	44	1.19	0.37	0.30	4.59		0.52	1.24	3.22
11	2003/11/19	11:03		7.0	6.61	50	1.22	0.36	0.32	5.35		0.57	1.05	3.75
12	2003/12/17	10:24		3.0	6.61	47	1.18	0.32	0.32	5.00		0.63	0.91	3.50

2004	採水日	採水時刻	水位 (mm)	水温 (°C)	pH	EC (μS/cm)	Na (mg/L)	K (mg/L)	Mg (mg/L)	Ca (mg/L)	NH ₄ ⁺ (mg/L)	Cl ⁻ (mg/L)	NO ₃ ⁻ (mg/L)	SO ₄ ²⁻ (mg/L)
1	2004/1/16	12:05		0.4	6.62	50	1.28	0.34	0.34	5.40		0.53	1.01	4.28
2	2004/2/18	9:58		1.4	6.74	57	1.15	0.20	0.36	5.87		0.52	1.08	4.65
3	2004/3/17	11:15		3.5	6.62	57	1.18	0.31	0.37	5.72		0.73	1.43	4.69
4	2004/4/21	10:20		5.1	6.58	29	0.12	0.20	0.09	3.36		0.53	1.60	3.48
5	2004/5/19	11:20		8.0	6.51	43	0.73	0.32	0.25	5.13		0.50	1.00	3.03
6	2004/6/16	10:30		9.2	6.61	36	0.57	0.29	0.17	4.38		0.48	0.77	3.03
7	2004/7/16	10:50		12.2	6.63	52	1.11	0.39	0.31	5.94		0.45	0.91	3.75
8	2004/8/18	10:50		14.0	6.66	46	0.91	0.41	0.27	5.55		0.50	1.07	3.14
9	2004/9/22	10:57		12.5	6.36	49	0.66	0.32	0.17	4.77		0.55	0.97	4.15
10	2004/10/19	10:47		7.9	6.50	39	0.89	0.34	0.27	5.59		0.57	0.69	3.07
11	2004/11/17	10:06		6.0	6.20	33	0.50	0.25	0.20	5.27		0.57	0.91	3.70
12	2004/12/21	11:03		3.0	6.57	46	0.65	0.19	0.18	4.97		0.53	0.80	3.69

付表 - 14. トウバク河流域の渓流水質 (つづき)

TOUBAKUSAWA

2005 / 2006

2005	採水日	採水時刻	水位 (mm)	水温 (°C)	pH	EC ($\mu\text{S}/\text{cm}$)	Na (mg/L)	K (mg/L)	Mg (mg/L)	Ca (mg/L)	NH_4^+ (mg/L)	Cl^- (mg/L)	NO_3^- (mg/L)	SO_4^{2-} (mg/L)
1	2005/1/19	12:45		1.3	7.01	43	0.95	0.32	0.38	5.67		0.56	0.95	4.08
2	2005/2/16	11:07		1.7	6.85	51	0.97	0.29	0.42	5.95		0.52	1.06	4.51
3	2005/3/16	11:25		4.0	6.85	55	1.03	0.33	0.49	6.63		0.51	1.84	4.62
4	2005/4/22	12:40		4.1	6.73	36	1.15	0.23	0.20	6.01		0.50	1.35	2.94
5	2005/5/18	6:04		5.8	6.73	44	1.65	0.39	0.35	9.06		0.49	0.88	3.75
6	2005/6/21	10:55		10.5	6.77	49	1.72	0.29	0.36	9.42		0.39	1.37	3.79
7	2005/7/20	11:21		12.5	6.85	47	1.31	0.22	0.26	8.61		0.32	0.87	3.28
8	2005/8/17	10:50		14.0	6.81	51	1.80	0.36	0.36	10.42		0.40	1.27	3.55
9	2005/9/21	10:41		11.9	6.82	52	1.49	0.40	0.36	8.13		0.51	1.16	3.32
10	2005/10/19	12:29		9.5	6.76	43	1.36	0.34	0.32	7.64		0.55	1.95	3.20
11	2005/11/16	9:25		7.3	6.73	43	1.45	0.30	0.36	8.42		0.60	1.38	3.69
12	2005/12/20	10:46		1.6	6.65	45	1.47	0.27	0.39	8.69		0.60	1.40	4.24

2006	採水日	採水時刻	水位 (mm)	水温 (°C)	pH	EC ($\mu\text{S}/\text{cm}$)	Na (mg/L)	K (mg/L)	Mg (mg/L)	Ca (mg/L)	NH_4^+ (mg/L)	Cl^- (mg/L)	NO_3^- (mg/L)	SO_4^{2-} (mg/L)
1	2006/1/18	11:00		3.0	6.97	54	1.51	0.26	0.39	9.75		0.77	2.27	4.65
2	2006/2/15	10:38		1.4	6.82	50	1.44	0.21	0.41	8.84		0.57	1.96	4.78
3	2006/3/15	12:10		3.0	6.85	54	1.47	0.24	0.38	9.51		0.58	2.53	4.49
4	2006/4/19	10:50		3.2	6.71	43	1.18	0.05	0.31	6.49		0.61	1.76	3.35
5	2006/5/16	10:35		6.0	6.74	46	1.36	0.05	0.31	6.84		0.70	1.38	3.60
6	2006/6/21	11:00		9.7	6.75	38	1.31	0.09	0.30	6.04		0.54	1.35	2.89
7														
8	2006/8/16	11:57		14.0	6.76	48	1.48	0.19	0.32	7.18		0.46	1.33	3.12
9	2006/9/20	10:28		12.3	6.83	43	1.27	0.15	0.29	6.26		0.47	1.38	2.46
10	2006/10/18	12:29		9.5	6.78	46	1.31	0.15	0.31	6.77		0.47	0.84	4.13
11	2006/11/22	12:45		7.2	6.30	45	1.37	0.33	0.33	7.04		0.68	2.26	3.20
12	2006/12/20	10:45		4.5	6.24	50	1.36	0.31	0.34	8.04		0.63	1.51	3.79

附表 - 14. トウバク沢流域の渓流水質（つづき）

TOUBAKUSAWA

2007 / 2008

2007	採水日	採水時刻	水位 (mm)	水温 (°C)	pH	EC (μ S/cm)	Na (mg/L)	K (mg/L)	Mg (mg/L)	Ca (mg/L)	NH ₄ ⁺ (mg/L)	Cl ⁻ (mg/L)	NO ₃ ⁻ (mg/L)	SO ₄ ²⁻ (mg/L)
1	2007/1/17	11:30		2.9	6.50	47	1.28	0.27	0.36	7.92		0.54	1.39	3.81
2	2007/2/21	11:38		2.1	7.25	63	0.98	0.27	0.47			0.58	1.74	4.44
3	2007/3/22	12:20		4.0	7.32	70	1.03	0.23	0.42			0.59	1.84	5.12
4	2007/4/18	11:08		3.2	7.15	55	0.88	0.26	0.44			0.70	2.78	4.81
5	2007/5/16	11:06		8.0	7.08	53	0.93	0.35	0.39			0.50	1.01	3.44
6	2007/6/20	12:35		12.6	5.88	51	1.33	0.22	0.53	7.06		0.55	1.20	3.72
7	2007/7/18	11:11		12.8	7.26	42	1.51	0.11	0.43	5.93		0.44	1.12	2.76
8	2007/8/15	10:35		14.0	7.47	52		0.15	0.56	7.40		0.64	1.06	3.45
9	2007/9/20	10:32		13.5	7.72	48	1.11	0.41	0.29	4.22		0.45	0.81	2.76
10	2007/10/17	11:04		10.5	7.78	70	1.37	0.65	0.37	7.43		0.55	1.24	3.92
11	2007/11/21	10:59		6.0	7.80	49	1.13	0.24	0.33	5.54		0.48	0.95	3.19
12	2007/12/19	11:03		4.0	7.60	55	1.12	0.45	0.32	7.65		0.61	1.12	3.77

2008	採水日	採水時刻	水位 (mm)	水温 (°C)	pH	EC (μ S/cm)	Na (mg/L)	K (mg/L)	Mg (mg/L)	Ca (mg/L)	NH ₄ ⁺ (mg/L)	Cl ⁻ (mg/L)	NO ₃ ⁻ (mg/L)	SO ₄ ²⁻ (mg/L)
1	2008/1/16	11:07		3.5	7.65	57	1.19	0.23	0.36	8.25		0.56	1.62	4.53
2	2008/2/20	11:30		4.5	8.40	52	1.15	0.43	0.36	7.13		0.47	1.16	3.87
3	2008/3/19	11:15		3.3	6.77	53	1.06	0.23	0.36	7.02		0.60	3.23	3.99
4	2008/4/16	10:40		3.8	7.13	41	0.80	0.21	0.26	2.53		0.53	1.71	2.57
5	2008/5/21	10:47		7.0	6.88	37	1.20	0.22	0.24	1.15		0.53	1.58	3.07
6	2008/6/18	10:43		9.7	8.02	42	1.30	0.40	0.27	3.22		0.48	0.88	2.89
7	2008/7/16	11:52		12.2	8.67	44	1.14	0.25	0.27	3.03		0.40	1.02	2.77
8	2008/8/20	12:40		13.5	7.12	50	1.27	0.24	0.31	4.30		0.42	1.56	3.16
9	2008/9/17	10:16		12.5	7.49	52	1.20	0.24	0.31	5.73		0.47	1.37	3.19
10	2008/10/22	10:43		9.5	6.52	39	1.03	0.22	0.26	7.04		0.43	0.91	2.82
11	2008/11/19	10:14		6.5	6.69	51	1.11	0.19	0.30	4.08		0.49	1.19	3.32
12	2008/12/17	10:35		4.5	6.73	47	1.04	0.18	0.31	5.91		0.46	1.97	3.35

付表 - 14. トウバク河流域の渓流水質 (つづき)

TOUBAKUSAWA

2009 / 2010

2009	採水日	採水時刻	水位 (mm)	水温 (°C)	pH	EC ($\mu\text{S}/\text{cm}$)	Na (mg/L)	K (mg/L)	Mg (mg/L)	Ca (mg/L)	NH_4^+ (mg/L)	Cl^- (mg/L)	NO_3^- (mg/L)	SO_4^{2-} (mg/L)
1	2009/1/21	10:38		2.8	7.10	52	1.13	0.17	0.33	7.88		0.45	1.68	3.90
2	2009/2/17	11:35		1.0	7.34	50	1.12	0.44	0.28	9.00		0.55	1.82	3.59
3	2009/3/18	10:53		3.5	7.68	47	1.00	0.47	0.28	7.77		0.56	1.91	2.86
4	2009/4/21	10:57		6.2	7.29	40	1.06	0.46	0.13	6.29		0.62	1.18	2.47
5	2009/5/20	10:31		8.0	7.88	41	0.97	0.47	0.29	7.10		0.61	0.00	2.80
6	2009/6/17	10:04		9.5	7.48	43	0.84	0.41	0.26	6.79		0.41	1.69	2.84
7	2009/7/22	10:53		12.0	7.80	55	1.11	0.39	0.34	8.65		0.51	1.27	3.67
8	2009/8/19	10:48		14.0	7.63	49	1.09	0.43	0.31	7.99		0.61	1.51	3.48
9	2009/9/15	11:12		12.0	7.25	50	1.07	0.36	0.35	9.14		0.43	1.64	3.45
10	2009/10/21	9:34		9.0	7.29	50	1.07	0.42	0.34	8.91		0.49	1.29	3.35
11	2009/11/18	10:52		5.0	7.15	42	0.91	0.42	0.28	7.03		0.63	1.53	2.68
12	2009/12/17	11:16		3.1	7.08	47	0.97	0.36	0.31	8.13		0.64	1.38	3.56

2010	採水日	採水時刻	水位 (mm)	水温 (°C)	pH	EC ($\mu\text{S}/\text{cm}$)	Na (mg/L)	K (mg/L)	Mg (mg/L)	Ca (mg/L)	NH_4^+ (mg/L)	Cl^- (mg/L)	NO_3^- (mg/L)	SO_4^{2-} (mg/L)
1	2010/1/20	11:03		2.5	7.03	52	0.94	0.39	0.33	9.28		0.50	1.21	3.87
2	2010/2/18	10:48		1.0	7.31	49	1.14	0.23	0.34	8.41		0.65	1.81	5.03
3	2010/3/17	11:07		3.0	7.29	41	1.02	0.22	0.27	7.15		0.57	2.92	3.29
4	2010/4/21	10:50		6.0	7.40	35	0.99	0.30	0.24	6.16		0.55	1.29	3.19
5	2010/5/18	10:23		8.5	7.67	36	0.90	0.17	0.19	8.80		0.48	0.75	3.06
6	2010/6/16	12:57		10.0	7.90	34	0.82	0.20	0.15	6.87		0.36	1.64	2.49
7	2010/7/21	10:53		13.0	7.45	33	0.58	0.32	0.17	8.74		0.43	1.04	2.71
8	2010/8/18	11:25		14.5	7.91	47	0.77	0.45	0.23	10.24		1.14	2.41	5.77
9	2010/9/22	10:35		13.5	8.65	51	0.80	0.58	0.26	11.44		1.01	5.12	8.00
10	2010/10/20	11:08		10.0	7.30	49	0.67	0.45	0.21	9.13		0.61	1.32	2.93
11	2010/11/17	10:44		5.5	8.18	42	1.21	0.41	0.21	9.33		0.56	1.38	3.50
12	2010/12/15	10:45		3.0	7.80	40	1.06	0.49	0.18	8.33		0.47	2.15	2.67

附表 - 14 . トウバク沢流域の渓流水質（つづき）

TOUBAKUSAWA

2011

2011	採水日	採水時刻	水位 (mm)	水温 (°C)	pH	EC (μ S/cm)	Na (mg/L)	K (mg/L)	Mg (mg/L)	Ca (mg/L)	NH ₄ ⁺ (mg/L)	Cl ⁻ (mg/L)	NO ₃ ⁻ (mg/L)	SO ₄ ²⁻ (mg/L)
1	2011/1/19	10:39		1.0	8.22	51	0.55	0.10	0.16	8.40		0.50	1.19	3.14
2														
3	2011/3/16	10:50		3.0	8.18	50	1.36	0.30	0.16	9.97		0.66	2.27	4.59
4														
5														
6														
7														
8														
9														
10														
11														
12														

付表 - 15 . バケモノ沢流域の渓流水質

BAKEMONOSAWA

2011

2011	採水日	採水時刻	水位 (mm)	水温 (°C)	pH	EC (μ S/cm)	Na (mg/L)	K (mg/L)	Mg (mg/L)	Ca (mg/L)	NH ₄ ⁺ (mg/L)	Cl ⁻ (mg/L)	NO ₃ ⁻ (mg/L)	SO ₄ ²⁻ (mg/L)
1														
2														
3														
4	2011/4/20	11:37	10	7.5	8.36	48	3.35	0.19	0.71	8.25		0.51	0.00	4.73
5	2011/5/18	13:37	17	9.5	8.00	53	3.40	0.33	0.23	8.68		0.56	0.34	5.20
6	2011/6/22	10:36	33	11.0	8.66	45	3.19	0.42	0.14	7.05		0.47	0.47	3.90
7	2011/7/22	13:07	12	12.5	9.08	34	3.30	0.26	0.70	7.62		0.44	0.00	4.07
8	2011/8/18	12:11	11	14.5	7.90	51	3.33	0.27	0.72	9.27		0.54	0.26	4.45
9	2011/9/22	12:10	296	12.0	7.57	35	2.69	0.32	0.49	5.94		0.49	0.52	2.61
10	2011/10/19	12:30	41	10.0	7.03	44	3.10	0.34	0.57	7.66		0.59	0.30	3.80
11	2011/11/17	11:55	20	9.5	7.12	45	3.20	0.27	0.60	7.11		0.48	0.00	3.73
12	2011/12/21	12:38	11	5.9	7.43	42	3.17	0.19	0.62	5.80		0.55	0.00	3.86

付表 - 16 . 白坂南谷流域の渓流水質

SHIRASAKA (MINAMITANI)

2003 / 2004

2003	採水日	採水時刻	水位 (mm)	水温 (°C)	pH	EC (μS/cm)	Na (mg/L)	K (mg/L)	Mg (mg/L)	Ca (mg/L)	NH ₄ ⁺ (mg/L)	Cl ⁻ (mg/L)	NO ₃ ⁻ (mg/L)	SO ₄ ²⁻ (mg/L)
1														
2														
3														
4														
5														
6														
7														
8	2003/8/13	10:10		21	6.52	54	3.97	0.56	0.73	2.41		2.64	0.44	4.34
9	2003/9/17	9:45	59	21	6.37	48	4.94	0.96	0.49	2.59		3.25	0.00	3.62
10	2003/10/15	9:12	83	16	6.53	46	4.63	0.94	0.43	2.38		2.67	0.66	4.21
11	2003/11/19	9:25	58	13	6.42	46	5.71	1.04	0.47	2.35		3.06	0.18	4.39
12	2003/12/17	9:48	63	7	6.46	41	4.68	0.69	0.42	2.25		2.76	0.31	4.99

2004	採水日	採水時刻	水位 (mm)	水温 (°C)	pH	EC (μS/cm)	Na (mg/L)	K (mg/L)	Mg (mg/L)	Ca (mg/L)	NH ₄ ⁺ (mg/L)	Cl ⁻ (mg/L)	NO ₃ ⁻ (mg/L)	SO ₄ ²⁻ (mg/L)
1	2004/1/21	9:18	56	5	6.56	35	4.84	0.72	0.41	2.20		2.84	0.54	5.27
2	2004/2/18	9:02	51	5	6.58	50	4.82	0.86	0.41	2.21		3.16	0.39	5.61
3	2004/3/17	9:05	50	9	6.61	42	4.98	0.86	0.41	2.09		3.20	0.26	5.69
4	2004/4/21	9:05	63	12	6.44	53	5.19	0.97	0.45	2.61		3.01	0.65	5.00
5	2004/5/19	9:35	89	15	6.53	42	4.58	0.99	0.36	2.30		2.56	0.47	4.91
6	2004/6/16	9:15	67	17	6.54	41	4.37	1.16	0.41	4.49		2.89	0.25	4.54
7	2004/7/21	9:00	60	22	6.47	42	4.62	1.13	0.43	3.25		3.00	0.24	3.91
8	2004/8/18	9:00	74	23	6.54	65	4.73	1.27	0.48	3.51		2.70	1.13	3.57
9	2004/9/22	9:00	59	22	6.43	53	4.68	1.39	0.44	3.74		3.13	0.24	3.17
10	2004/10/20	9:08	104	17	6.38	37	4.30	0.91	0.31	3.03		2.70	0.67	4.21
11	2004/11/17	8:55	77	12	6.54	47	4.68	0.76	1.55	2.84		2.92	0.54	4.69
12	2004/12/22	10:11	66	9	6.51	52	4.88	0.74	0.41	3.04		3.02	0.33	4.89

付表 - 16 . 白坂南谷流域の渓流水質 (つづき)

SHIRASAKA (MINAMITANI)

2005 / 2006

2005	採水日	採水時刻	水位 (mm)	水温 (°C)	pH	EC ($\mu\text{S}/\text{cm}$)	Na (mg/L)	K (mg/L)	Mg (mg/L)	Ca (mg/L)	NH_4^+ (mg/L)	Cl^- (mg/L)	NO_3^- (mg/L)	SO_4^{2-} (mg/L)
1	2005/1/19	9:25	56	5	6.47	42	4.93	0.71	0.40	3.23		3.45	0.22	5.42
2	2005/2/17	9:13	55	7	6.49	44	4.68	0.85	0.42	3.17		3.12	0.43	5.48
3	2005/3/16	9:00	55	6	6.56	49	5.05	0.84	0.46	3.30		3.16	0.41	5.52
4	2005/4/21	9:40	62	13	6.62	41	5.60	0.94	0.50	3.69		3.05	0.40	5.34
5	2005/5/18	8:56	57	14	6.45	43	5.86	1.07	0.51	3.31		2.95	0.26	4.94
6	2005/6/22	9:24	62	19	6.56	42	5.87	1.27	0.51	4.01		3.00	0.18	4.49
7	2005/7/20	9:05	63	21	6.46	51	5.86	1.13	0.51	4.20		3.00	0.25	4.22
8	2005/8/17	9:10	57	23	6.33	42	5.88	1.13	0.56	3.71		2.84	0.31	3.72
9	2005/9/21	9:05	61	21	6.36	51	5.91	1.20	0.52	4.15		2.85	0.35	3.54
10	2005/10/19	9:07	63	16	6.35	49	5.76	1.14	0.53	4.36		2.81	0.64	3.56
11	2005/11/16	9:35	51	9	6.59	50	6.73	0.97	0.51	3.74		2.85	0.32	4.19
12	2005/12/21	9:40	48	4	6.65	46	5.73	0.65	0.47	3.69		3.04	0.22	4.42

2006	採水日	採水時刻	水位 (mm)	水温 (°C)	pH	EC ($\mu\text{S}/\text{cm}$)	Na (mg/L)	K (mg/L)	Mg (mg/L)	Ca (mg/L)	NH_4^+ (mg/L)	Cl^- (mg/L)	NO_3^- (mg/L)	SO_4^{2-} (mg/L)
1	2006/1/18	9:06	54	4	6.66	38	5.39	0.65	0.53	3.94		3.27	0.93	5.29
2	2006/2/15	9:20	50	6	6.73	50	5.45	0.60	0.85	3.65		3.01	0.66	5.33
3	2006/3/15	10:00	59	5	6.87	45	5.45	0.59	0.81	3.54		2.71	1.01	5.34
4	2006/4/19	9:15	65	10	6.49	35	5.30	0.81	0.80	3.16		2.77	0.81	5.03
5	2006/5/24	9:12	88	15	6.58	36	4.73	0.79	0.69	2.89		2.63	0.71	4.61
6	2006/6/21	8:57	85	17	6.45	37	4.74	0.75	0.68	2.80		2.56	0.51	4.59
7	2006/7/19	13:25	159	20	6.33	34	3.53	0.67	0.39	2.23		1.76	1.65	3.91
8	2006/8/16	9:27	66	21	6.43	35	5.18	0.91	0.80	3.13		2.95	0.46	3.91
9	2006/9/20	9:18	67	19	6.25	52	5.19	0.92	0.75	3.39		2.83	0.69	3.63
10	2006/10/18	9:10	53	16	6.23	64	5.30	0.95	0.73	3.15		2.83	0.25	3.57
11	2006/11/22	9:00	51	10	6.27	45	5.17	0.89	0.51	3.69		2.92	0.31	3.89
12	2006/12/20	9:25	47	5	6.40	43	5.22	0.87	0.44	3.13		2.98	0.18	4.33

付表 - 16 . 白坂南谷流域の渓流水質 (つづき)

SHIRASAKA (MINAMITANI)

2007 / 2008

2007	採水日	採水時刻	水位 (mm)	水温 (°C)	pH	EC (μS/cm)	Na (mg/L)	K (mg/L)	Mg (mg/L)	Ca (mg/L)	NH ₄ ⁺ (mg/L)	Cl ⁻ (mg/L)	NO ₃ ⁻ (mg/L)	SO ₄ ²⁻ (mg/L)
1	2007/1/17	13:25	58	7.0	6.55	35	4.77	0.70	0.42	3.02		2.71	0.64	4.84
2	2007/2/21	9:10	55	5.0	6.60	39	5.30	0.72	0.42	3.08		2.80	0.63	5.24
3	2007/3/20	9:25	51	4.0	6.49	51	5.26	0.74	0.42	3.10		2.80	0.52	5.35
4	2007/4/18	9:07	56	6.5	6.69	54	5.33	0.92	0.35			2.68	0.45	5.31
5	2007/5/16	8:56	54	11.8	6.80	47	5.44	1.06	0.31			2.73	0.27	4.90
6	2007/6/20	8:55	54	18.0	6.06	54	6.74	0.56	0.54	3.49		2.74	0.18	4.25
7	2007/7/18	8:57	106	18.2	6.73	40	5.70	0.56	0.45	2.75		2.29	0.82	4.53
8	2007/8/15	9:35	69	21.2	6.83	54	6.76	0.71	0.57	3.32		2.88	0.25	3.67
9	2007/9/19	14:40	92	21.2	6.70	64	6.96	0.72	0.54	3.61		2.49	0.55	3.74
10	2007/10/17	9:00	66	15.0	6.82	60	6.98	0.70	0.52	3.41		2.73	0.27	3.43
11	2007/11/21	9:10	52	7.2	6.43	47	3.45	0.67	0.40	2.94		2.38	0.16	3.34
12	2007/12/19	13:21	51	5.2	6.43	46	3.34	0.66	0.44	3.11		2.52	0.00	3.66

2008	採水日	採水時刻	水位 (mm)	水温 (°C)	pH	EC (μS/cm)	Na (mg/L)	K (mg/L)	Mg (mg/L)	Ca (mg/L)	NH ₄ ⁺ (mg/L)	Cl ⁻ (mg/L)	NO ₃ ⁻ (mg/L)	SO ₄ ²⁻ (mg/L)
1	2008/1/16	8:47	52	3.3	6.42	56	3.47	0.63	0.42	3.08		2.44	0.39	4.14
2	2008/2/20	13:07	51	2.6	6.55	45	3.34	0.56	0.41	3.13		2.53	0.54	4.63
3	2008/3/19	9:05	51	7.3	6.70	56	3.71	0.72	0.38	3.27		2.51	0.44	4.84
4														
5														
6														
7	2008/7/15	8:58	65	20.0	6.32	58	4.47	0.79	0.39	3.87		2.17	0.25	3.32
8	2008/8/20	10:17	56	21.5	6.23	50	4.96	0.81	0.41	3.98		2.15	0.94	2.58
9	2008/9/24	10:24	64	19.0	6.33	46	5.33	0.73	0.41	3.33		2.12	0.43	2.90
10	2008/10/21	9:05	53	15.0	6.31	44	5.35	0.70	0.41	3.57		2.14	0.18	2.97
11	2008/11/18	9:10	52	11.0	6.20	48	5.53	0.66	0.39	3.14		2.28	0.00	3.18
12	2008/12/16	8:45	56	6.0	6.15	44	4.68	0.50	0.38	2.90		2.26	0.27	3.79

附表 - 17 . 白坂本谷流域の渓流水質

SHIRASAKA (HONTANI)

2011

2011	採水日	採水時刻	水位 (mm)	水温 (°C)	pH	EC (μ S/cm)	Na (mg/L)	K (mg/L)	Mg (mg/L)	Ca (mg/L)	NH ₄ ⁺ (mg/L)	Cl ⁻ (mg/L)	NO ₃ ⁻ (mg/L)	SO ₄ ²⁻ (mg/L)
1														
2														
3														
4	2011/4/19	9:35	106	9.1	7.48	50	4.93	0.65	0.40	3.49		3.43	1.07	5.08
5	2011/5/20	10:00	211	13.3	6.98	46	4.31		0.27	3.46		2.74	1.28	4.44
6	2011/6/21	10:03	353	17.0	7.27	37	4.03		0.33	2.35		2.29	0.73	3.71
7	2011/7/22	14:21	319	19.0	7.43	40	4.05		0.28	1.48		2.02	1.53	3.73
8	2011/8/19	9:57	371	20.0	7.33	38	4.26		0.32	2.66		2.38	2.11	3.70
9	2011/9/22	14:11	495	18.9	7.89	40	3.72		0.31	2.56		2.13	3.62	3.66
10	2011/10/18	11:00	215	15.0	7.49	44	4.70	0.94	0.43	3.22		2.45	1.99	3.94
11	2011/11/15	9:33	115	12.0	7.42	45	4.94	0.92	0.46	3.59		2.50	1.02	3.81
12	2011/12/20	13:54	100	6.0	7.21	44	4.96	0.86	0.45	3.77		2.51	1.09	4.19

付表 - 18 . 樹芸 1 号沢流域の渓流水質

JYUGEI_1GOSAWA

2003 / 2004

2003	採水日	採水時刻	水位 (mm)	水温 (°C)	pH	EC (μ S/cm)	Na ⁺ (mg/L)	K ⁺ (mg/L)	Mg ²⁺ (mg/L)	Ca ²⁺ (mg/L)	NH ₄ ⁺ (mg/L)	Cl ⁻ (mg/L)	NO ₃ ⁻ (mg/L)	SO ₄ ²⁻ (mg/L)
1														
2														
3														
4														
5														
6														
7														
8														
9	2003/9/17	11:26	174	21.9	5.78	177	6.95	0.52	5.17	5.04	0.00	10.85	0.61	50.36
10	2003/10/15	9:52	177	16.5	5.60	176	6.03	0.68	5.21	4.91	0.00	10.02	0.88	48.73
11	2003/11/19	9:31	177	14.7	5.17	170	7.00	0.66	5.63	5.45	0.00	10.57	0.97	54.41
12	2003/12/17	10:03	187	9.8	5.37	182	5.05	0.21	4.74	4.27	0.00	11.74	0.00	54.42

2004	採水日	採水時刻	水位 (mm)	水温 (°C)	pH	EC (μ S/cm)	Na ⁺ (mg/L)	K ⁺ (mg/L)	Mg ²⁺ (mg/L)	Ca ²⁺ (mg/L)	NH ₄ ⁺ (mg/L)	Cl ⁻ (mg/L)	NO ₃ ⁻ (mg/L)	SO ₄ ²⁻ (mg/L)
1	2004/1/21	9:55	164	7.2	5.29	200	5.08	0.27	5.29	4.79	0.00	11.91	0.00	62.49
2	2004/2/18	9:55	158	6.5	5.14	177	4.69	0.21	5.47	4.98	0.00	11.57	0.00	63.54
3	2004/3/17	10:59	155	13.4	5.44	220	7.46	0.72	6.00	5.83	0.00	11.62	0.00	64.09
4	2004/4/21	9:25	161	14.5	5.34	187	7.73	0.87	5.79	5.71	0.00	11.44	0.00	62.24
5	2004/5/19	9:35	182	16.2	5.23	182	6.29	0.72	5.52	5.42	0.00	11.61	0.00	56.96
6	2004/6/16	9:24	188	18.0	5.38	146	8.14	0.92	5.45	5.37	0.07	11.60	1.40	52.25
7	2004/7/21	12:20	167	24.0	5.55	183	8.48	0.80	5.70	5.66	0.07	11.34	0.07	56.34
8	2004/8/18	9:20	187	22.9	5.74	148	6.65	0.91	5.19	5.22	0.08	11.12	1.40	49.47
9	2004/9/22	9:31	168	22.0	5.79	186	4.95	0.84	5.58	5.76	0.00	10.68	0.87	56.15
10	2004/10/22	9:27	227	17.3	5.93	146	5.55	0.55	4.22	4.06	0.00	12.28	2.51	35.80
11	2004/11/19	11:07	196	15.0	5.43	194	4.90	0.65	5.76	5.65	0.05	11.92	1.06	54.91
12	2004/12/22	9:07	171	10.7	5.34	260	5.90	0.73	6.39	6.31	0.03	12.23	0.80	61.69

付表 - 18 . 樹芸 1 号沢流域の渓流水質 (つづき)

JYUGEI_1GOSAWA

2005 / 2006

2005	採水日	採水時刻	水位 (mm)	水温 (°C)	pH	EC (µS/cm)	Na ⁺ (mg/L)	K ⁺ (mg/L)	Mg ²⁺ (mg/L)	Ca ²⁺ (mg/L)	NH ₄ ⁺ (mg/L)	Cl ⁻ (mg/L)	NO ₃ ⁻ (mg/L)	SO ₄ ²⁻ (mg/L)
1	2005/1/19	10:05	164	7.8	5.30	260	5.70	0.63	6.67	6.67	0.05	12.22	0.80	64.94
2	2005/2/16	9:15	166	7.9	5.54		5.94	0.49	4.94	5.08	0.00	11.47	0.65	58.89
3	2005/3/16	9:35	161	8.3	6.35		6.48	0.48	5.09	5.26	0.00	11.39	0.76	62.45
4	2005/4/21	9:21	218	13.9	5.69		3.31	0.21	1.50	1.60	0.00	5.31	0.84	18.15
5	2005/5/18	9:20	173	14.5	6.11		6.74	0.56	4.52	4.66	0.00	11.19	0.43	55.56
6	2005/6/21	14:12	167	19.0	5.76		6.68	0.64	4.49	4.61	0.00	10.80	0.83	55.85
7	2005/7/20	10:30	182	20.6	6.02	143	11.52	0.98	7.13	7.60	0.05	11.54	1.05	49.76
8	2005/8/22	15:37	178	22.6	6.10	197	11.23	1.15	6.66	6.91	0.00	10.51	1.40	47.32
9	2005/9/21	9:40	175	20.7	6.11	230	11.63	1.01	6.99	7.57	0.00	11.45	0.70	49.76
10	2005/10/19	9:43	183	17.1	6.17	220	10.53	1.03	7.02	7.36	0.08	10.86	1.92	48.29
11	2005/11/16	9:36	163	12.2	5.70	250	11.53	0.99	8.11	8.68	0.09	11.37	0.87	56.10
12	2005/12/21	9:46	157	8.7	5.75	193	11.11	0.88	8.30	8.71	0.00	11.63	0.00	60.92

2006	採水日	採水時刻	水位 (mm)	水温 (°C)	pH	EC (µS/cm)	Na ⁺ (mg/L)	K ⁺ (mg/L)	Mg ²⁺ (mg/L)	Ca ²⁺ (mg/L)	NH ₄ ⁺ (mg/L)	Cl ⁻ (mg/L)	NO ₃ ⁻ (mg/L)	SO ₄ ²⁻ (mg/L)
1	2006/1/18	9:38	157	11.1	6.57	180	10.91	0.94	8.33	8.62	0.00	11.44	0.00	60.72
2	2006/2/15	9:50	158	14.7	6.29	184	11.20	0.90	8.45	8.81	0.00	11.51	0.00	61.99
3	2006/3/15	9:34	175	8.5	7.53	170	10.58	0.86	7.49	8.41	0.18	11.63	0.77	55.06
4	2006/4/19	9:20	203	16.6	7.54	137	10.43	0.86	6.23	7.03	0.14	11.84	1.32	45.45
5	2006/5/17	9:20	216	15.7	6.76	145	10.18	0.93	6.33	6.82	0.15	12.15	1.37	44.69
6	2006/6/21	9:42	211	19.3	7.97	139	10.18	0.95	6.42	6.38	0.12	12.19	1.68	44.83
7	2006/7/20	9:19	202	20.6	6.86	146	0.97	1.01	7.29	6.53	0.06	11.64	1.16	47.50
8	2006/8/16	10:14	214	22.6	8.17	135	8.61	0.72	4.58	3.98	0.09	10.12	1.35	29.79
9	2006/9/20	10:55	168	21.8	7.46	156	11.21	1.01	7.27	7.40	0.09	12.01	0.67	54.91
10	2006/10/18	11:25	161	18.7	5.81	176	11.12	0.99	7.85	7.92	0.15	11.80	0.45	58.67
11	2006/11/22	9:56	161	15.2	6.09	163	11.31	1.12	8.92	9.21	0.23	11.32	0.72	61.15
12	2006/12/22	9:35	155	11.6	5.84	179	11.78	1.00	9.49	9.63	0.15	11.68	0.58	64.14

付表 - 18 . 樹芸 1 号沢流域の渓流水質 (つづき)

JYUGEI_1GOSAWA

2007 / 2008

2007	採水日	採水時刻	水位 (mm)	水温 (°C)	pH	EC (μ S/cm)	Na ⁺ (mg/L)	K ⁺ (mg/L)	Mg ²⁺ (mg/L)	Ca ²⁺ (mg/L)	NH ₄ ⁺ (mg/L)	Cl ⁻ (mg/L)	NO ₃ ⁻ (mg/L)	SO ₄ ²⁻ (mg/L)
1	2007/1/18	9:37	156	8.7	5.79	186	11.97	1.03	9.14	9.55	0.14	11.69	0.58	64.01
2	2007/2/26	13:39	154	9.8	5.93	175	11.67	1.12	9.11	9.47	0.17	11.51	0.87	64.39
3	2007/3/20	9:33	157	8.4	5.90	188	10.96	0.82	8.95	10.33	0.11	11.99	0.80	69.74
4	2007/4/18	9:23	165	11.1	6.29	172	10.46	0.95	8.43	9.91	0.00	11.50	0.80	64.36
5	2007/5/16	10:48	159	15.5	5.64	183	11.05	1.05	8.51	9.97	0.16	11.69	0.53	65.59
6	2007/6/20	9:27	172	18.6	6.13	163	10.92	1.11	8.04	9.29	0.00	11.85	0.80	62.25
7	2007/7/19	9:27	227	17.3	7.56	120	10.38	0.77	5.19	4.90	0.08	12.65	2.92	31.80
8	2007/8/16	13:58	175	23.2	7.08	153	11.25	1.01	7.06	8.24	0.00	12.15	1.07	53.07
9	2007/9/20	9:26	207	20.0	7.96	143	10.73	0.88	6.52	7.30	0.00	12.18	1.60	45.31
10	2007/10/17	9:26	174	16.1	6.98	156	10.98	0.91	7.48	8.62	0.72	11.97	1.07	54.72
11	2007/11/21	9:48	169	13.3	6.81	155	11.32	0.86	8.05	9.20	1.18	12.46	0.93	59.63
12	2007/12/20	9:23	161	9.0	6.53	169	11.22	0.85	8.26	9.52	0.00	12.30	0.53	61.24

2008	採水日	採水時刻	水位 (mm)	水温 (°C)	pH	EC (μ S/cm)	Na ⁺ (mg/L)	K ⁺ (mg/L)	Mg ²⁺ (mg/L)	Ca ²⁺ (mg/L)	NH ₄ ⁺ (mg/L)	Cl ⁻ (mg/L)	NO ₃ ⁻ (mg/L)	SO ₄ ²⁻ (mg/L)
1	2008/1/18	9:17	157	8.0	6.32	168	10.95	0.81	8.40	9.67	0.66	11.90	0.67	62.57
2	2008/2/18	13:23	154	6.6	6.23	176	11.20	0.80	8.86	10.23	0.10	12.25	0.80	66.89
3	2008/3/19	9:16	155	10.8	6.23	178	11.37	0.92	8.63	10.25	0.00	12.31	0.80	66.02
4	2008/4/16	13:34	167	13.9	6.10	171	10.63	0.97	8.06	9.37	0.00	11.66	0.80	61.38
5	2008/5/21	9:21	205	15.0	6.23	135	9.48	1.11	6.34	7.22	0.00	11.84	1.87	46.42
6	2008/6/18	9:25	186	17.5	6.77	155	10.90	1.00	7.41	8.46	0.00	12.24	1.47	54.83
7	2008/7/17	9:35	191	20.6	7.63	148	11.19	1.16	6.88	7.78	0.00	12.46	1.60	49.20
8	2008/8/20	9:24	165	23.3	7.10	155	12.03	1.17	7.39	7.63	0.00	11.87	0.67	52.83
9	2008/9/17	13:45	181	20.8	7.57	173	11.35	1.18	7.47	7.54	0.13	11.61	0.69	53.06
10	2008/10/22	14:04	172	17.7	6.23	176	10.58	0.94	6.88	6.96	0.00	11.30	0.77	51.26
11	2008/11/20	13:35	162	11.7	6.62	179	11.31	0.96	7.82	7.94	0.00	12.05	0.74	58.95
12	2008/12/18	9:57	162	10.6	6.28	174	11.16	1.00	7.88	8.12	0.00	11.55	0.55	58.49

付表 - 18 . 樹芸 1 号沢流域の渓流水質 (つづき)

JYUGEI_1GOSAWA

2009 / 2010

2009	採水日	採水時刻	水位 (mm)	水温 (°C)	pH	EC (µS/cm)	Na ⁺ (mg/L)	K ⁺ (mg/L)	Mg ²⁺ (mg/L)	Ca ²⁺ (mg/L)	NH ₄ ⁺ (mg/L)	Cl ⁻ (mg/L)	NO ₃ ⁻ (mg/L)	SO ₄ ²⁻ (mg/L)
1	2009/1/23	13:48	158	12.0	6.62	173	11.13	0.97	7.81	8.20	0.00	11.54	0.55	58.08
2	2009/2/18	13:58	154	8.0	6.22	187	11.23	0.96	8.29	8.64	0.00	12.07	0.65	63.35
3	2009/3/26	9:47	178	9.3	5.95	168	10.32	0.90	7.47	7.64	0.00	11.29	1.02	55.67
4	2009/4/22	9:42	214	14.4	5.64	138	8.80	0.87	5.78	5.79	0.00	10.54	1.40	41.90
5	2009/5/20	9:55	176	15.9	6.25	167	11.16	1.18	7.32	7.50	0.00	11.74	0.56	54.43
6	2009/6/17	9:45	171	17.1	6.20	162	11.32	1.08	7.28	7.60	0.00	11.34	0.75	56.10
7	2009/7/21	10:10	220	18.6	6.25	138	10.83	0.91	5.52	5.64	0.00	12.15	2.27	40.15
8	2009/8/21	9:40	195	20.2	6.64	154	11.63	0.90	6.54	6.55	0.00	12.16	1.23	49.63
9	2009/9/17	10:30	170	18.6	5.89	162	11.92	0.93	7.15	7.37	0.00	12.03	0.74	55.12
10	2009/10/21	10:20	165	16.1	5.62	171	8.53	0.79	5.51	5.71	0.00	12.08	0.54	58.40
11	2009/11/18	9:20	185	13.1	5.52	156	10.25	1.07	7.02	7.25	0.00	11.05	0.86	54.38
12	2009/12/16	9:40	166	10.3	5.65	171	11.46	1.32	7.78	8.11	0.00	11.98	0.51	61.52

2010	採水日	採水時刻	水位 (mm)	水温 (°C)	pH	EC (µS/cm)	Na ⁺ (mg/L)	K ⁺ (mg/L)	Mg ²⁺ (mg/L)	Ca ²⁺ (mg/L)	NH ₄ ⁺ (mg/L)	Cl ⁻ (mg/L)	NO ₃ ⁻ (mg/L)	SO ₄ ²⁻ (mg/L)
1	2010/1/19	13:35	160	7.7	5.74	174	11.83	0.93	8.06	8.59	0.00	12.22	0.55	61.80
2	2010/2/17	14:25	161	6.4	5.88	172	11.43	0.99	7.80	8.25	0.00	11.55	0.68	59.67
3	2010/3/17	13:50	206	11.1	5.35	146	10.74	1.26	6.65	6.96	0.00	12.78	1.71	53.68
4	2010/4/21	14:00	187	15.0	5.85	156	11.39	1.04	7.33	7.60	0.00	12.69	0.78	59.33
5	2010/5/19	13:27	183	15.5	6.21	155	11.82	1.02	7.12	7.15	0.00	13.59	0.92	59.57
6	2010/6/17	13:40	177	19.5	5.99	152	11.55	1.12	6.95	6.98	0.00	12.19	0.80	55.24
7	2010/7/21	15:40	195	21.3	5.86	147	11.83	1.08	6.57	6.80	0.00	13.99	1.15	56.24
8	2010/8/18	11:05	176	23.2	5.91	154	11.91	1.20	6.96	7.29	0.00	12.76	0.68	57.64
9	2010/9/22	12:15	161	22.7	5.76	158	12.16	1.19	7.23	7.80	0.00	13.29	0.53	62.27
10	2010/10/20	9:40	167	17.6	5.73	161	11.53	1.18	7.69	8.19	0.00	12.75	0.60	64.47
11	2010/11/18	10:45	163	12.3	5.32	165	11.58	1.00	8.19	8.54	0.00	13.12	0.52	69.00
12	2010/12/15	11:00	177	11.5	5.38	156	10.33	1.04	7.62	7.95	0.00	11.54	1.21	61.55

付表 - 18 . 樹芸 1 号沢流域の渓流水質 (つづき)

JYUGEI_1GOSAWA

2011

2011	採水日	採水時刻	水位 (mm)	水温 (°C)	pH	EC (μ S/cm)	Na ⁺ (mg/L)	K ⁺ (mg/L)	Mg ²⁺ (mg/L)	Ca ²⁺ (mg/L)	NH ₄ ⁺ (mg/L)	Cl ⁻ (mg/L)	NO ₃ ⁻ (mg/L)	SO ₄ ²⁻ (mg/L)
1	2011/1/19	11:15	160	6.8	5.51	167	11.73	0.95	8.48	8.90	0.00	13.23	0.55	70.67
2	2011/2/16	11:15	157	8.1	5.56	169	5.91	1.00	7.99	8.62	0.16	12.82	0.65	60.12
3	2011/3/16	11:05	160	10.3	5.48	158	5.82	0.80	7.87	8.70	0.14	12.34	0.54	59.52
4	2011/4/20	11:10	165	12.9	5.38	153	5.58	1.17	7.65	8.24	0.10	11.87	0.78	57.83
5	2011/5/18	10:40	175	15.1	5.58	149	5.46	1.39	7.14	7.73	0.00	11.69	0.55	53.61
6	2011/6/22	10:55	215	18.5	5.70	130	5.00	1.23	6.06	5.99	0.04	11.41	1.12	42.52
7	2011/7/21	10:50	201	20.2	6.02	135	5.45	1.23	5.95	6.24	0.02	11.73	0.98	42.89
8	2011/8/17	13:45	172	23.5	5.94	144	5.88	1.11	6.63	7.47	0.00	12.33	0.69	50.26
9	2011/9/22	15:40	205	21.3	5.67	131	5.29	1.03	5.72	6.32	0.10	12.61	1.31	40.38
10	2011/10/19	9:50	172	16.6	5.81	146	5.65	1.14	7.16	7.68	0.00	12.39	0.87	53.15
11	2011/11/17	11:35	167	14.5	5.46	152	5.79	1.31	7.66	8.32	0.02	12.37	0.81	56.64
12	2011/12/21	13:45	169	9.4	5.65	152	5.82	0.78	7.68	8.45	0.05	12.63	0.71	56.25

附表 - 19 . 樹芸 2 号沢流域の渓流水質

JYUGEI_2GOSAWA

2003 / 2004

2003	採水日	採水時刻	水位 (mm)	水温 (°C)	pH	EC (μ S/cm)	Na ⁺ (mg/L)	K ⁺ (mg/L)	Mg ²⁺ (mg/L)	Ca ²⁺ (mg/L)	NH ₄ ⁺ (mg/L)	Cl ⁻ (mg/L)	NO ₃ ⁻ (mg/L)	SO ₄ ²⁻ (mg/L)
1														
2														
3														
4														
5														
6														
7														
8														
9	2003/9/17	10:44	399	20.4	6.70	154	6.62	0.34	3.31	6.40	0.00	10.14	0.61	35.54
10	2003/10/15	11:10	403	16.2	6.71	157	6.60	0.41	3.34	6.70	0.00	9.61	0.88	33.86
11	2003/11/19	10:09	423	14.6	6.49	125	8.00	0.39	2.73	5.28	0.00	10.57	0.65	26.71
12	2003/12/17	10:55	409	10.2	6.73	153	4.05	0.16	2.81	5.05	0.00	10.95	0.00	35.83

2004	採水日	採水時刻	水位 (mm)	水温 (°C)	pH	EC (μ S/cm)	Na ⁺ (mg/L)	K ⁺ (mg/L)	Mg ²⁺ (mg/L)	Ca ²⁺ (mg/L)	NH ₄ ⁺ (mg/L)	Cl ⁻ (mg/L)	NO ₃ ⁻ (mg/L)	SO ₄ ²⁻ (mg/L)
1	2004/1/21	11:17	390	7.2	6.55	169	4.02	0.16	3.20	6.25	0.08	10.21	0.00	40.65
2	2004/2/18	10:19	384	7.5	6.57	152	4.64	0.16	3.27	6.50	0.00	10.15	0.00	42.34
3	2004/3/17	10:25	382	11.9	6.92	170	8.85	0.43	3.63	7.75	0.00	10.10	0.00	42.52
4	2004/4/21	10:36	390	14.3	6.88	156	7.68	0.43	3.36	7.21	0.00	10.56	0.00	37.63
5	2004/5/19	10:21	452	15.4	6.86	119	5.98	0.36	2.27	4.42	0.00	11.77	0.00	20.62
6	2004/6/16	10:23	437	16.9	6.76	115	7.97	0.55	2.66	5.39	0.08	11.60	0.35	26.38
7	2004/7/21	13:10	401	21.5	7.01	159	8.41	0.57	3.55	7.02	0.08	10.70	0.70	35.41
8	2004/8/18	10:18	424	21.0	7.20	126	7.27	0.48	3.19	6.32	0.08	10.70	2.16	30.05
9	2004/9/22	10:45	406	20.7	7.11	155	5.56	0.49	3.34	6.75	0.03	10.38	1.10	33.92
10	2004/10/22	10:29	513	16.6	6.92	113	5.11	0.33	2.25	3.95	0.00	11.92	0.87	17.64
11	2004/11/19	13:06	435	15.3	6.67	161	5.16	0.39	3.16	6.02	0.00	12.19	0.66	29.35
12	2004/12/22	10:23	398	11.5	6.93	191	5.21	0.57	3.99	7.80	0.12	11.62	0.53	41.34

付表 - 19 . 樹芸 2 号沢流域の渓流水質 (つづき)

JYUGEI_2GOSAWA

2005 / 2006

2005	採水日	採水時刻	水位 (mm)	水温 (°C)	pH	EC ($\mu\text{S}/\text{cm}$)	Na ⁺ (mg/L)	K ⁺ (mg/L)	Mg ²⁺ (mg/L)	Ca ²⁺ (mg/L)	NH ₄ ⁺ (mg/L)	Cl ⁻ (mg/L)	NO ₃ ⁻ (mg/L)	SO ₄ ²⁻ (mg/L)
1	2005/1/19	11:15	391	8.9	6.35	194	5.40	0.40	4.01	8.15	0.00	11.05	0.27	43.81
2	2005/2/16	10:29	388	8.8	7.10		5.78	0.31	3.09	6.51	0.00	10.22	0.22	41.07
3	2005/3/16	10:31	384	9.2	7.12		6.25	0.32	3.11	6.69	0.00	12.29	0.22	55.06
4	2005/4/21	10:17	488	13.9	6.90		4.95	0.23	1.56	3.13	0.00	9.88	1.09	17.22
5	2005/5/18	9:55	402	14.3	6.11		5.19	0.26	2.27	5.26	0.00	8.59	0.22	31.59
6	2005/6/21	14:43	403	18.1	6.65		6.64	0.35	2.57	5.56	0.00	9.91	0.83	33.52
7	2005/7/20	11:06	415	19.1	6.81	121	10.88	0.60	4.44	10.56	0.00	11.20	0.35	34.15
8	2005/8/22	16:11	407	21.0	6.68	182	10.93	0.74	4.64	10.58	0.00	10.17	1.81	35.61
9	2005/9/21	10:25	401	19.5	6.87	193	11.21	0.62	4.64	9.31	0.00	10.78	0.63	36.83
10	2005/10/19	10:23	415	17.1	7.02	187	10.62	0.65	4.40	9.18	0.09	10.43	2.44	34.15
11	2005/11/16	10:25	393	12.8	6.76	200	13.59	0.62	4.72	10.08	0.06	10.49	1.05	39.02
12	2005/12/21	10:22	385	8.1	7.19	160	10.70	0.51	5.10	10.27	0.00	10.24	0.00	41.95

2006	採水日	採水時刻	水位 (mm)	水温 (°C)	pH	EC ($\mu\text{S}/\text{cm}$)	Na ⁺ (mg/L)	K ⁺ (mg/L)	Mg ²⁺ (mg/L)	Ca ²⁺ (mg/L)	NH ₄ ⁺ (mg/L)	Cl ⁻ (mg/L)	NO ₃ ⁻ (mg/L)	SO ₄ ²⁻ (mg/L)
1	2006/1/18	10:18	386	10.5	7.80	161	10.66	0.55	5.03	10.29	0.00	10.34	0.00	40.28
2	2006/2/15	10:25	391	14.0	7.83	148	10.30	0.51	4.63	9.44	0.00	10.32	0.00	36.64
3	2006/3/15	10:24	406	9.0	8.06	142	10.10	0.50	4.34	9.23	0.12	10.99	0.19	35.41
4	2006/4/19	9:55	432	14.4	7.97	124	9.96	0.52	3.78	7.65	0.08	11.45	0.38	29.29
5	2006/5/17	9:58	458	16.0	7.81	113	9.04	0.50	4.09	6.42	0.09	11.78	0.48	23.74
6	2006/6/21	10:19	466	17.7	8.10	108	9.00	0.50	3.33	6.08	0.08	11.59	0.56	22.75
7	2006/7/20	13:09	437	18.6	7.77	123	9.72	0.54	3.80	7.09	0.08	11.04	1.11	28.17
8	2006/8/16	10:50	434	21.2	8.18	123	3.51	0.22	2.20	4.45	0.04	4.08	0.27	13.36
9	2006/9/20	11:52	391	21.5	6.93	145	11.33	1.74	6.37	9.64	0.22	11.34	0.91	39.29
10	2006/10/18	10:15	382	18.5	8.30	143	11.26	0.63	5.00	10.17	0.05	10.55	0.68	42.51
11	2006/11/22	10:53	381	15.1	7.93	152	11.19	0.73	5.44	11.52	0.22	10.12	0.87	41.75
12	2006/12/22	10:39	376	11.1	7.65	156	11.27	0.75	5.58	11.70	0.26	10.09	0.58	43.28

付表 - 19 . 樹芸 2 号沢流域の渓流水質 (つづき)

JYUGEI_2GOSAWA

2007 / 2008

2007	採水日	採水時刻	水位 (mm)	水温 (°C)	pH	EC (µS/cm)	Na ⁺ (mg/L)	K ⁺ (mg/L)	Mg ²⁺ (mg/L)	Ca ²⁺ (mg/L)	NH ₄ ⁺ (mg/L)	Cl ⁻ (mg/L)	NO ₃ ⁻ (mg/L)	SO ₄ ²⁻ (mg/L)
1	2007/1/18	10:23	377	9.3	7.49	158	11.11	0.67	5.53	11.66	0.17	10.13	0.29	43.01
2	2007/2/26	14:21	374	9.6	7.54	160	11.52	0.63	5.48	11.62	0.14	10.08	0.29	42.84
3	2007/3/20	10:18	376	8.5	7.26	157	10.75	0.53	5.29	12.93	0.10	10.43	0.27	44.77
4	2007/4/18	10:18	396	11.7	7.62	140	10.03	0.50	4.47	10.92	0.15	10.69	0.80	35.15
5	2007/5/16	10:20	392	15.3	7.18	144	10.23	0.53	4.59	11.20	0.00	10.61	0.27	35.77
6	2007/6/20	10:23	401	18.4	7.50	135	10.46	0.57	4.59	10.70	0.27	10.97	0.53	36.18
7	2007/7/19	10:25	487	16.9	7.93	102	9.00	0.45	3.07	5.37	0.00	11.09	0.47	19.86
8	2007/8/16	14:45	394	21.9	7.81	138	10.67	0.63	4.72	10.55	0.00	10.92	0.80	38.02
9	2007/9/20	10:25	421	19.3	8.24	125	9.92	0.53	4.10	8.45	0.00	11.20	0.67	30.74
10	2007/10/17	10:20	392	16.5	7.82	141	10.90	0.58	4.92	11.04	0.08	11.21	0.93	39.99
11	2007/11/21	10:32	387	12.5	7.73	147	10.69	0.55	4.99	11.19	0.12	10.95	0.53	41.12
12	2007/12/20	10:15	378	9.7	7.52	151	10.69	0.54	5.23	12.34	0.00	10.51	0.40	43.51

2008	採水日	採水時刻	水位 (mm)	水温 (°C)	pH	EC (µS/cm)	Na ⁺ (mg/L)	K ⁺ (mg/L)	Mg ²⁺ (mg/L)	Ca ²⁺ (mg/L)	NH ₄ ⁺ (mg/L)	Cl ⁻ (mg/L)	NO ₃ ⁻ (mg/L)	SO ₄ ²⁻ (mg/L)
1	2008/1/18	10:20	374	8.2	7.35	153	10.57	0.52	5.24	12.61	0.00	10.30	0.40	43.61
2	2008/2/18	14:11	376	7.2	7.21	158	10.63	0.50	5.27	12.88	0.00	10.53	0.27	44.58
3	2008/3/19	9:56	374	11.5	7.51	155								
4	2008/4/16	14:19	401	14.1	7.38	130								
5	2008/5/21	10:18	478	15.3	7.48	98	8.58	0.43	3.02	6.31	0.00	11.22	1.33	19.80
6	2008/6/18	10:23	414	17.2	7.61	131	10.04	0.52	4.30	9.33	0.00	11.32	0.80	33.23
7	2008/7/17	10:35	407	19.6	8.16	131	10.28	0.56	4.37	9.21	0.00	11.15	0.67	34.65
8	2008/8/20	10:47	382	21.8	8.04	140	11.28	0.73	4.93	9.99	0.00	10.20	0.95	39.02
9	2008/9/17	14:31	392	19.7	8.01	147	10.85	0.68	4.71	9.03	0.00	10.26	0.72	36.37
10	2008/10/22	12:01	395	17.2	6.75	152								
11	2008/11/20	14:20	380	11.3	7.52	157	10.74	0.64	4.91	9.81	0.00	10.19	0.62	40.84
12	2008/12/18	10:53	381	11.4	7.31	158	10.81	0.60	4.95	10.22	0.00	10.23	0.48	42.44

付表 - 19 . 樹芸 2 号沢流域の渓流水質 (つづき)

JYUGEI_2GOSAWA

2009 / 2010

2009	採水日	採水時刻	水位 (mm)	水温 (°C)	pH	EC ($\mu\text{S}/\text{cm}$)	Na ⁺ (mg/L)	K ⁺ (mg/L)	Mg ²⁺ (mg/L)	Ca ²⁺ (mg/L)	NH ₄ ⁺ (mg/L)	Cl ⁻ (mg/L)	NO ₃ ⁻ (mg/L)	SO ₄ ²⁻ (mg/L)
1	2009/1/23	14:35	376	11.4	7.24	159	10.91	0.64	5.01	10.69	0.00	10.23	0.29	42.75
2	2009/2/18	14:44	374	8.1	7.10	164	10.88	0.61	5.05	10.73	0.00	10.28	0.22	43.02
3	2009/3/26	10:33	427	10.6	7.01	122	9.34	0.49	3.63	6.94	0.00	10.34	0.43	28.25
4	2009/4/22	10:40	495	14.1	7.02	98	8.13	0.42	2.68	5.04	0.00	9.57	1.34	18.38
5	2009/5/20	11:00	406	16.2	7.03	141	10.41	0.60	4.45	8.61	0.00	10.39	0.43	34.98
6	2009/6/17	11:20	394	16.5	7.02	147	11.02	0.57	4.52	9.36	0.00	10.13	0.68	37.51
7	2009/7/21	11:10	465	17.3	7.20	109	9.58	0.48	3.23	5.78	0.00	10.62	0.49	23.60
8	2009/8/21	10:40	413	18.8	7.33	132	10.68	0.55	4.05	7.46	0.00	10.59	0.58	32.84
9	2009/9/17	11:10	384	17.8	6.91	148	11.51	0.63	4.77	9.37	0.00	10.48	0.69	40.94
10	2009/10/21	11:10	386	15.6	6.45	146	8.92	0.48	3.71	7.59	0.00	10.48	0.48	39.71
11	2009/11/18	10:30	418	13.5	6.72	125	9.82	0.57	3.73	7.60	0.00	10.41	0.82	30.59
12	2009/12/16	10:25	387	10.8	6.64	143	10.87	0.55	4.64	9.36	0.00	10.50	0.34	40.46

2010	採水日	採水時刻	水位 (mm)	水温 (°C)	pH	EC ($\mu\text{S}/\text{cm}$)	Na ⁺ (mg/L)	K ⁺ (mg/L)	Mg ²⁺ (mg/L)	Ca ²⁺ (mg/L)	NH ₄ ⁺ (mg/L)	Cl ⁻ (mg/L)	NO ₃ ⁻ (mg/L)	SO ₄ ²⁻ (mg/L)
1	2010/1/19	14:20	376	8.2	6.71	154	11.08	0.55	4.87	10.13	0.00	10.23	0.25	42.95
2	2010/2/17	15:15	376	7.1	6.92	154	11.11	0.55	4.87	10.44	0.00	10.32	0.29	42.44
3	2010/3/17	15:05	455	11.8	6.47	105	9.28	0.43	3.16	5.75	0.00	7.20	0.34	16.61
4	2010/4/21	14:45	408	14.6	6.30	133	10.66	0.54	4.16	7.96	0.00	10.60	0.20	35.17
5	2010/5/19	14:10	398	14.8	6.92	140	11.14	0.63	4.55	8.56	0.00	11.51	0.26	41.46
6	2010/6/17	15:00	398	17.7	6.70	138	11.12	0.64	4.50	8.72	0.00	10.65	0.72	38.51
7	2010/7/21	13:40	419	19.3	6.85	121	10.61	0.58	3.96	7.15	0.00	11.46	0.64	34.32
8	2010/8/18	9:50	405	21.2	7.30	129	11.07	0.67	4.24	8.35	0.00	11.67	0.94	38.33
9	2010/9/22	10:55	382	20.8	7.02	147	11.58	0.62	4.91	9.89	0.00	11.55	0.85	47.35
10	2010/10/20	10:50	397	17.0	7.09	135	10.78	0.61	4.46	8.88	0.00	11.31	0.75	40.28
11	2010/11/18	9:30	388	12.3	7.11	136	10.94	0.58	4.81	9.41	0.00	11.17	0.66	44.27
12	2010/12/15	9:35	429	12.0	7.09	114	9.56	0.53	3.66	7.08	0.00	11.37	1.96	32.54

付表 - 19 . 樹芸 2 号沢流域の渓流水質 (つづき)

JYUGEI_2GOSAWA

2011

2011	採水日	採水時刻	水位 (mm)	水温 (°C)	pH	EC ($\mu\text{S}/\text{cm}$)	Na ⁺ (mg/L)	K ⁺ (mg/L)	Mg ²⁺ (mg/L)	Ca ²⁺ (mg/L)	NH ₄ ⁺ (mg/L)	Cl ⁻ (mg/L)	NO ₃ ⁻ (mg/L)	SO ₄ ²⁻ (mg/L)
1	2011/1/19	9:45	383	7.3	7.23	144	10.97	0.53	4.94	9.85	0.00	11.68	0.33	48.53
2	2011/2/16	9:45	380	7.7	7.24	148	5.53	0.64	4.94	10.84	0.11	10.05	0.00	39.94
3	2011/3/16	9:33	390	9.7	7.28	129	5.27	0.79	4.26	8.96	0.02	9.86	0.00	34.60
4	2011/4/20	9:42	408	11.6	7.66	117	4.97	0.31	3.84	7.89	0.02	10.20	0.00	28.09
5	2011/5/18	9:25	423	14.2	7.13	116	4.93	0.39	3.70	7.75	0.10	9.85	0.66	26.78
6	2011/6/22	9:35	470	16.5	7.21	102	4.58	0.77	3.23	5.63	0.00	9.68	0.60	20.84
7	2011/7/21	9:30	452	18.2	7.18	105	4.73	0.48	3.54	5.97	0.03	9.91	1.09	22.40
8	2011/8/17	15:05	390	21.2	6.79	135	5.61	0.99	4.60	8.82	0.00	10.45	0.64	35.54
9	2011/9/22	13:55	485	18.6	7.09	94	4.54	0.50	2.84	5.38	0.06	9.80	1.18	16.40
10	2011/10/19	11:05	390	16.0	6.96	135	5.42	0.64	4.38	8.73	0.07	10.72	0.86	34.41
11	2011/11/17	9:55	383	14.1	7.08	134	5.47	0.71	4.72	9.52	0.00	10.53	0.75	36.68
12	2011/12/21	15:15	381	9.8	6.83	134	5.49	0.79	4.73	9.59	0.15	10.55	0.49	38.02

付表 - 20 . 樹芸 3 号沢流域の渓流水質

JYUGEI_3GOSAWA

2003 / 2004

2003	採水日	採水時刻	水位 (mm)	水温 (°C)	pH	EC ($\mu\text{S}/\text{cm}$)	Na ⁺ (mg/L)	K ⁺ (mg/L)	Mg ²⁺ (mg/L)	Ca ²⁺ (mg/L)	NH ₄ ⁺ (mg/L)	Cl ⁻ (mg/L)	NO ₃ ⁻ (mg/L)	SO ₄ ²⁻ (mg/L)
1														
2														
3														
4														
5														
6														
7														
8														
9	2003/9/17	9:48	206	21.1	4.30	175	6.17	0.17	4.46	3.13	0.00	11.98	0.00	46.73
10	2003/10/15	10:36	215	16.3	4.36	156	5.95	0.43	3.71	2.60	0.00	9.91	0.00	38.51
11	2003/11/19	10:27	220	14.9	4.67	134	7.03	0.29	3.30	2.22	0.00	10.63	0.00	35.86
12	2003/12/17	11:16	214	10.1	4.56	151	4.38	0.16	3.94	2.45	0.16	12.43	0.00	47.35
2004														
1	2004/1/21	11:58	202	7.1	4.66	166	4.09	0.19	4.40	2.82	0.00	12.32	0.00	54.97
2	2004/2/18	11:00	200	6.8	4.54	175	4.81	0.16	4.66	2.95	0.00	12.39	0.00	58.03
3	2004/3/17	10:00	198	11.1	4.59	194	7.86	0.43	4.94	3.35	0.00	12.62	0.00	57.69
4	2004/4/21	11:30	209	15.1	4.50	156	6.56	0.29	4.22	2.78	0.00	11.90	0.00	48.27
5	2004/5/19	10:58	233	15.4	4.84	123	5.85	0.18	2.72	2.00	0.00	11.25	0.00	29.61
6	2004/6/16	10:58	225	17.4	4.77	147	6.65	0.27	3.52	2.36	0.08	11.74	0.00	34.62
7	2004/7/21	13:41	204	22.7	4.63	178	8.48	0.31	4.40	3.01	0.07	12.63	0.00	47.77
8	2004/8/18	11:06	222	22.4	5.65	130	7.52	0.44	3.44	2.53	0.09	11.12	0.00	36.99
9	2004/9/22	11:36	211	21.8	4.66	167	5.27	0.50	3.87	2.93	0.00	11.30	0.00	43.46
10	2004/10/22	11:28	253	17.6	5.48	103	4.83	0.24	2.34	1.67	0.00	11.30	0.00	21.05
11	2004/11/19	13:48	227	15.2	4.91	168	5.24	0.37	3.88	2.91	0.03	12.33	0.00	40.72
12	2004/12/22	11:12	207	10.6	4.71	230	5.88	0.43	5.29	4.12	0.06	13.09	0.00	56.37

付表 - 20 . 樹芸 3 号沢流域の渓流水質 (つづき)

JYUGEI_3GOSAWA

2005 / 2006

2005	採水日	採水時刻	水位 (mm)	水温 (°C)	pH	EC (µS/cm)	Na ⁺ (mg/L)	K ⁺ (mg/L)	Mg ²⁺ (mg/L)	Ca ²⁺ (mg/L)	NH ₄ ⁺ (mg/L)	Cl ⁻ (mg/L)	NO ₃ ⁻ (mg/L)	SO ₄ ²⁻ (mg/L)
1	2005/1/19	11:54	203	8.1	4.45	260	5.95	0.49	5.65	4.38	0.00	13.23	0.00	60.71
2	2005/2/16	11:10	203	7.9	4.98		7.15	0.43	4.13	3.36	0.00	12.32	0.22	55.92
3	2005/3/16	11:12	203	8.4	4.79		7.47	0.35	4.01	3.07	0.00	12.29	0.00	55.06
4	2005/4/21	11:02	257	13.8	5.60		4.02	0.17	1.34	0.97	0.00	8.02	0.00	15.92
5	2005/5/18	10:28	211	14.2	5.16		6.07	0.19	2.85	2.33	0.00	10.52	0.00	39.23
6	2005/6/21	15:02	212	18.3	4.90		6.67	0.22	3.05	2.23	0.00	10.96	0.00	41.71
7	2005/7/20	11:24	214	20.0	5.06	132	11.36	0.40	5.58	4.32	0.21	12.58	0.00	43.41
8	2005/8/22	16:35	211	22.4	5.01	181	10.06	0.80	4.98	4.50	0.00	10.91	0.00	40.98
9	2005/9/21	10:50	208	20.7	5.11	260	11.44	0.72	5.92	5.08	0.00	12.30	0.00	46.34
10	2005/10/19	10:57	220	16.8	5.09	179	9.42	0.66	4.71	4.27	0.05	10.58	0.00	37.80
11	2005/11/16	10:49	204	12.2	4.82	250	14.93	0.55	6.37	4.80	0.04	11.92	0.00	50.73
12	2005/12/21	10:44	188	7.3	4.05	188	10.91	0.53	7.07	5.26	0.00	12.28	0.00	57.39

2006	採水日	採水時刻	水位 (mm)	水温 (°C)	pH	EC (µS/cm)	Na ⁺ (mg/L)	K ⁺ (mg/L)	Mg ²⁺ (mg/L)	Ca ²⁺ (mg/L)	NH ₄ ⁺ (mg/L)	Cl ⁻ (mg/L)	NO ₃ ⁻ (mg/L)	SO ₄ ²⁻ (mg/L)
1	2006/1/18	10:47	203	9.2	4.60	179	10.34	0.79	6.54	5.02	0.00	12.09	0.00	52.65
2	2006/2/15	10:48	203	13.0	4.70	175	10.99	0.59	6.36	4.87	0.00	11.93	0.00	51.59
3	2006/3/15	10:52	212	7.5	4.90	168	10.31	0.48	6.01	5.17	0.10	12.14	0.00	46.16
4	2006/4/19	10:20	223	14.3	5.00	135	10.10	0.44	4.83	4.35	0.13	12.03	0.00	36.36
5	2006/5/17	10:23	233	15.9	5.02	117	9.07	0.33	4.02	3.39	0.14	11.51	0.00	29.09
6	2006/6/21	10:45	235	18.6	4.96	112	9.02	0.29	3.93	2.88	0.09	11.41	0.00	28.54
7	2006/7/20	13:55	227	20.2	4.87	129	9.06	0.50	4.55	3.43	0.14	11.44	0.00	35.45
8	2006/8/16	11:19	223	22.9	5.00	137	9.78	0.42	5.35	3.67	0.11	12.22	0.00	37.33
9	2006/9/20	11:29	202	21.3	4.67	174	10.52	0.66	6.28	4.82	0.13	12.38	0.00	51.34
10	2006/10/18	10:49	200	17.7	4.69	187	10.98	0.63	6.39	4.78	0.12	12.51	0.00	54.93
11	2006/11/22	11:20	200	14.7	4.80	173	11.99	0.86	7.12	5.65	0.22	11.80	0.00	53.61
12	2006/12/22	11:10	199	10.8	4.80	181	11.09	1.01	7.29	5.97	0.20	12.01	0.00	56.63

付表 - 20 . 樹芸 3 号沢流域の渓流水質 (つづき)

JYUGEI_3GOSAWA

2007 / 2008

2007	採水日	採水時刻	水位 (mm)	水温 (°C)	pH	EC ($\mu\text{S}/\text{cm}$)	Na ⁺ (mg/L)	K ⁺ (mg/L)	Mg ²⁺ (mg/L)	Ca ²⁺ (mg/L)	NH ₄ ⁺ (mg/L)	Cl ⁻ (mg/L)	NO ₃ ⁻ (mg/L)	SO ₄ ²⁻ (mg/L)
1	2007/1/18	10:54	201	9.1	4.83	183	11.09	0.79	7.42	6.35	0.12	12.17	0.00	56.57
2	2007/2/26	14:51	199	8.6	4.87	172	11.03	0.77	7.02	5.91	0.15	11.82	0.00	54.71
3	2007/3/20	10:49	202	8.5	4.84	174	10.41	0.42	6.57	5.59	0.33	12.38	0.00	56.63
4	2007/4/18	10:49	221	11.5	4.93	140	9.17	0.39	5.04	4.39	0.07	11.35	0.00	41.42
5	2007/5/16	9:44	211	15.4	4.81	147	9.96	0.26	5.62	4.70	0.00	11.87	0.00	46.21
6	2007/6/20	10:52	211	18.0	4.68	148	9.95	0.20	5.51	4.40	0.00	12.09	0.00	45.82
7	2007/7/19	10:57	246	17.7	5.46	96	8.69	0.26	3.45	2.61	0.06	10.98	0.00	23.82
8	2007/8/16	15:20	206	23.5	4.69	159	10.60	0.30	5.68	4.70	0.00	12.68	0.00	47.83
9	2007/9/16	10:51	220	21.1	5.06	137	10.02	0.39	4.98	4.14	0.00	12.37	0.00	38.69
10	2007/10/17	10:50	207	16.5	4.93	159	10.62	0.42	6.24	5.32	0.00	12.74	0.00	52.12
11	2007/11/21	10:58	207	12.2	4.90	164	10.74	0.40	6.63	5.73	0.00	12.71	0.00	55.40
12	2007/12/20	10:40	199	9.1	4.92	176	10.81	0.50	7.02	6.04	0.00	12.58	0.00	58.96

2008	採水日	採水時刻	水位 (mm)	水温 (°C)	pH	EC ($\mu\text{S}/\text{cm}$)	Na ⁺ (mg/L)	K ⁺ (mg/L)	Mg ²⁺ (mg/L)	Ca ²⁺ (mg/L)	NH ₄ ⁺ (mg/L)	Cl ⁻ (mg/L)	NO ₃ ⁻ (mg/L)	SO ₄ ²⁻ (mg/L)
1	2008/1/18	10:50	199	7.1	4.91	172	10.72	0.54	7.13	6.08	0.00	12.70	0.00	60.22
2	2008/2/18	14:35	201	6.3	4.93	171	10.40	0.49	6.92	5.81	0.00	12.37	0.00	59.22
3	2008/3/19	10:19	201	10.9	4.80	172	10.61	0.47	6.60	5.88	0.09	12.52	0.00	56.67
4	2008/4/16	14:46	216	13.9	4.89	143	9.65	0.35	5.23	4.52	0.08	11.58	0.00	42.27
5	2008/5/21	10:43	246	15.3	5.27	94	7.94	0.26	3.26	2.64	0.00	10.84	0.00	24.54
6	2008/6/21	11:08	219	17.6	4.90	136	9.95	0.25	5.24	4.04	0.00	12.24	0.00	42.35
7	2008/7/17	11:05	213	21.1	4.97	146	10.31	0.31	5.51	4.58	0.00	12.40	0.00	44.44
8	2008/8/20	11:15	202	23.1	3.50	165	10.95	0.53	5.88	4.29	0.12	12.06	0.00	48.81
9	2008/9/17	15:04	207	21.5	4.66	161	10.75	0.67	5.77	4.47	0.00	12.15	0.00	74.78
10	2008/10/22	10:19	208	17.7	4.67	174								
11	2008/11/20	14:32	202	10.6	4.72	179	10.85	0.49	6.64	4.99	0.00	12.31	0.00	55.14
12	2008/12/18	11:14	202	10.6	4.51	171	10.53	0.65	6.62	4.99	0.00	11.94	0.00	55.20

附表 - 20 . 樹芸 3 号沢流域の渓流水質 (つづき)

JYUGEI_3GOSAWA

2009 / 2010

2009	採水日	採水時刻	水位 (mm)	水温 (°C)	pH	EC (μS/cm)	Na ⁺ (mg/L)	K ⁺ (mg/L)	Mg ²⁺ (mg/L)	Ca ²⁺ (mg/L)	NH ₄ ⁺ (mg/L)	Cl ⁻ (mg/L)	NO ₃ ⁻ (mg/L)	SO ₄ ²⁻ (mg/L)
1	2009/1/23	14:58	201	11.2	4.63	173	10.61	0.71	6.62	5.22	0.00	11.99	0.00	55.83
2	2009/2/18	15:13	200	6.8	4.60	177	11.23	0.96	8.29	5.05	0.00	12.02	0.00	55.65
3	2009/3/26	11:01	224	9.6	4.81	127	9.22	0.30	4.59	3.40	0.00	10.83	0.00	35.29
4	2009/4/22	11:15	259	14.1	4.94	87	7.21	0.39	2.81	2.25	0.07	9.32	0.00	21.00
5	2009/5/20	11:20	215	16.3	4.62	145	10.22	0.32	5.45	4.07	0.00	11.70	0.00	43.64
6	2009/6/17	10:50	210	16.7	4.46	151	10.21	0.34	5.45	4.07	0.00	11.29	0.00	46.10
7	2009/7/21	11:55	235	18.7	5.09	111	9.43	0.39	3.96	3.20	0.00	11.08	0.00	29.84
8	2009/8/21	11:20	219	20.5	5.10	144	10.66	0.40	5.14	4.04	0.00	11.75	0.00	42.13
9	2009/9/17	11:40	202	18.5	4.77	164	10.30	0.44	5.48	4.35	0.00	12.00	0.00	51.14
10	2009/10/21	11:50	205	15.9	4.79	161	6.88	0.34	3.69	2.97	0.00	11.98	0.00	51.18
11	2009/11/18	11:05	225	13.2	4.65	127	8.88	0.51	4.39	3.55	0.00	10.26	0.00	37.01
12	2009/12/16	11:15	210	10.1	4.48	156	10.71	0.56	5.91	4.68	0.00	11.48	0.00	50.53

2010	採水日	採水時刻	水位 (mm)	水温 (°C)	pH	EC (μS/cm)	Na ⁺ (mg/L)	K ⁺ (mg/L)	Mg ²⁺ (mg/L)	Ca ²⁺ (mg/L)	NH ₄ ⁺ (mg/L)	Cl ⁻ (mg/L)	NO ₃ ⁻ (mg/L)	SO ₄ ²⁻ (mg/L)
1	2010/1/19	14:55	203	7.7	4.50	169	11.29	0.75	6.51	5.48	0.00	12.04	0.00	56.91
2	2010/2/17	16:08	205	6.1	4.61	161	10.32	0.71	6.14	5.23	0.00	11.57	0.00	53.05
3	2010/3/17	15:45	240	11.1	4.57	103	8.87	0.34	3.52	2.73	0.00	11.31	0.00	29.84
4	2010/4/21	15:30	224	14.4	4.48	133	10.28	0.44	5.19	3.92	0.00	12.29	0.00	45.22
5	2010/5/19	14:50	214	15.1	4.54	146	11.10	0.36	5.83	4.61	0.00	13.18	0.00	53.06
6	2010/6/17	15:40	215	18.7	4.47	135	10.17	0.45	5.12	3.96	0.00	12.70	0.00	48.44
7	2010/7/21	14:50	219	21.4	4.36	134	10.83	0.40	5.30	3.96	0.00	13.00	0.00	46.47
8	2010/8/18	10:25	213	22.8	4.59	140	10.77	0.49	5.30	4.20	0.00	12.96	0.00	51.25
9	2010/9/22	11:30	200	22.4	4.35	155	11.34	0.50	5.93	4.87	0.00	13.59	0.00	57.44
10	2010/10/20	12:00	210	17.2	4.49	144	10.61	0.45	5.73	4.66	0.00	12.54	0.00	52.58
11	2010/11/18	10:05	207	11.6	4.35	150	10.92	0.45	6.37	5.00	0.00	13.56	0.00	62.07
12	2010/12/15	10:15	229	11.3	4.40	111	8.50	0.47	4.13	3.16	0.00	10.95	0.00	38.01

付表 - 20 . 樹芸 3 号沢流域の渓流水質 (つづき)

JYUGEI_3GOSAWA

2011

2011	採水日	採水時刻	水位 (mm)	水温 (°C)	pH	EC (μ S/cm)	Na ⁺ (mg/L)	K ⁺ (mg/L)	Mg ²⁺ (mg/L)	Ca ²⁺ (mg/L)	NH ₄ ⁺ (mg/L)	Cl ⁻ (mg/L)	NO ₃ ⁻ (mg/L)	SO ₄ ²⁻ (mg/L)
1	2011/1/19	10:25	205	6.0	4.47	156	11.00	0.58	6.72	5.13	0.00	12.89	0.00	62.27
2	2011/2/16	10:25	205	6.8	4.42	158	5.46	0.80	6.53	5.27	0.12	12.28	0.00	53.48
3	2011/3/16	10:10	211	9.2	4.43	138	5.24	0.31	5.62	4.39	0.12	11.64	0.00	45.92
4	2011/4/20	10:20	220	11.6	4.53	120	4.81	0.29	4.83	3.59	0.17	11.10	0.00	37.12
5	2011/5/18	9:55	230	14.5	4.47	108	4.36	0.49	4.10	3.27	0.17	10.36	0.00	31.15
6	2011/6/22	10:10	244	17.5	4.63	94	4.18	0.50	3.39	2.84	0.04	9.55	0.00	25.12
7	2011/7/21	10:05	236	19.6	4.70	102	4.32	0.73	3.77	3.14	0.00	10.27	0.00	27.73
8	2011/8/17	14:35	207	23.2	4.23	141	5.43	0.94	5.35	4.52	0.00	12.24	0.00	44.31
9	2011/9/22	14:35	249	20.6	4.74	89	4.10	0.65	3.13	2.36	0.00	10.24	0.00	20.78
10	2011/10/19	11:45	211	16.1	4.47	135	5.17	0.96	5.53	4.77	0.00	11.77	0.00	41.94
11	2011/11/17	10:35	208	13.5	4.50	142	5.25	0.87	5.87	4.73	0.00	11.74	0.00	46.36
12	2011/12/21	14:40	207	9.1	4.56	144	5.52	0.62	6.25	5.48	0.09	12.15	0.00	49.78