

## (研究資料)

## 釜淵森林理水試験地観測報告

## 1・2号沢試験流域

(1959年1月~1978年12月)

東北支場山形試験地<sup>(1)</sup>

YAMAGATA Experiment Site, TÔHOKU Branch Station :  
Statistical Reports of Hydrological Observation  
at KAMABUCHI Experimental Watershed  
No. 1 and No. 2 Experimental Watersheds  
(January, 1959~December, 1978)  
(Research note)

**要 旨**：釜淵森林理水試験地は、山形県最上郡真室川町大字釜淵地内にあり、多雪地帯における森林水文研究のため1939年以降、隣接する2つの小流域において溪川流量の観測が開始され現在も継続中である。既往の試験結果は林業試験場研究報告その他に多数の報告が行われてきた。また1939年~1958年の20か年分の降水量、日流出量の観測資料はすでに公表されている。

この報告は上記にひきつづく1959~1978年の20か年分の日降水量、日流出量を取りまとめ、また年・月流出量の経年移動平均値のほか年最大・最小流量、確率洪水量、豊水、平水、低水、渇水の各流出量を付記し、各方面の利用に供する。

## 1. ま え が き

釜淵森林理水試験地では多雪地帯山地流域における森林水文研究のため、1939年以降隣接する2つの小面積試験流域で水文観測を行ってきた。1939年~1958年の20か年分はすでに公表したところであるが<sup>1)</sup>、その後も観測業務をつづけ、さらに20か年分の水文資料が集積された。この間、当地域では希有の集中豪雨があり激甚災害が発生した<sup>2)</sup>。一方では、近年水不足の問題は大都市のみにとどまらず、地方小都市においてもおこるようになり、洪水災害防止や水資源確保がいぜんとして大きな課題になっている。こうしたことから当理水試験地における観測資料には各方面からの問合せが多く、とくに最近の資料の公表が要望されている。そこで前回にひきつづく1959~1978年の20か年分をここに公表することにした。水源流域の水文現象の研究資料として、林業試験場部内にとどまらず、ひろく各方面において有効に利用されることを念願するものである。

この20か年間、観測および現地の諸調査は主として川口利次技官が行ったが、そのほか観測値の整理集計等に従事した職員は下記のとおりである。

小野茂夫・小島忠三郎・伊藤浅次・井上栄子・佐藤正平の各技官。

流量計算のため電算機プログラムは小島忠三郎技官が完成した。計算業務は本場調査部川端幸蔵・同経

営部椎林俊昭技官および農林研究計算センター指導員各位のご援助によるところが大きく、ここに謝意を表する次第である。

なお本報告のとりまとめは川口利次・小野茂夫の両技官が行った。

## 2. 試験地の概要

この試験流域は山形県最上郡真室川町大字釜淵字鶴下田沢地内、北緯  $38^{\circ}56'$ 、東経  $140^{\circ}16'$  にある。詳細は前報<sup>14)</sup>にのべられているので、ここでは 1959 年以降の流域処理およびその後の変遷と現況、流量計算上の精度等についてのべることにする。

### 1) 流域の変遷と現況

当理水試験地は 1 号沢・2 号沢の 2 流域からなり(1960 年からさらに 3・4 号の 2 流域追加設定)、1 号沢は対照流域で全観測期間を通じて何らの人工処理を加えていない。もう一方の 2 号沢は処理流域である。

1 号沢の林相は当地方としては標準的であるといえよう。沢すじにはサワグルミ・カツラ・トチ等が、中腹部分はホオノキ・クリ・イタヤカエデ・ケヤキ・ウワミズザクラ・ハクウンボク・ナラ等の広葉樹にスギが混生している。スギは部分的にかなり形質のよいものがあり、現在旺盛に生長しつづけている。樹齢は 63~65 年生と推定される。また広葉樹は、明治末期に製炭が行われたとき伐採されなかったものは 70 年生以上と推定され、その後天然更新されたものでも数十年生とみられるものもある。

峰に上るにつれブナが優勢となり、ヤマナシ・ヤマナラシ・アカシデ・コシアブラ等が混生する。峰どりの乾燥地にはアカマツ・リュウブ・マンサク等がみられる。

なお記録によればヒノキが植付けられたようであるが、ヒノキは雪圧に対して極めて弱く損傷されやすい。このため生育不良となって他樹種に被圧され消滅したため現在では本数が激減している。

各樹種の分布状態をみると、積雪の影響がとくに大きい風下斜面には雪圧に強いブナ・アカシデが生立し、さらに積雪の不安定地にはヤマモミジ・ハウチワカエデ等が斜面をほうように大きく湾曲しながら生立している。それ以外の比較的積雪の安定した斜面にはスギが生立している。こうしたことから現林相は積雪地方としては一般的な安定した壮齢林であるといえよう。

2 号沢は 1947~1948 年に皆伐され、跡地は下刈・火入れが行われた。今回の報告期間の初年 1959 年における流域は、草本・小灌木類で覆われた状態であり、流域面積の約半分は全層なだれの常習的発生地であった<sup>9)</sup>。この試験流域の処理およびその後の経過を Table 1 に示す。

1960 年になだれ防止階段工を施工した後、スギを植付けた<sup>4)</sup>。この階段工は工法そのものの試験をも兼ねた多目的なもので、高距を階段幅員の 10 倍以上も大きくとったところがあった。そのため、地山が風化しやすい軟岩のところで、かつ積雪不安定地およびなだれ地では後年破壊された。破壊崩落箇所では植付けたスギは例外なく引抜かれていた。

1960・1970 年にそれぞれ 1 か所ずつ切盛階段工が試みられ、これが 1973 年にいたって全壊した。この崩壊跡地は裸地となって、積雪の移動が大きく植生の侵入が極めて困難のようである。

1978 年春、流域の植生被覆の状態を調査した結果を Fig. 1 に示す。図の斜線部分が植付けたスギの生立部分である。斜面方位や山腹上の位置(沢~峰)によって生長状態にはかなりの優劣がみられる。ちなみにこれを 1947 年の皆伐以前に撮影(1941 年ごろと思われる)された写真と比較してみると、以前にスギが生立していた場所に植付けられたスギは良好に生立し、広葉樹だけしか生立していなかった場所に植

Table 1. 2号沢の地況変遷  
Changes in land condition on No. 2  
experimental watershed

| 年<br>Year | 地 況<br>Land condition                                                                                                   |
|-----------|-------------------------------------------------------------------------------------------------------------------------|
| 1959      | 伐跡地, 草・灌木, 流域面積の約半分はなだれ地<br>Shrub and weed, cut-over area. Snow avalanche on about half area in the basin.              |
| 1960      | なだれ防止切取階段工施工, スギ植付<br>Contour terracing was worked, cryptomeria was planted.                                            |
|           | 1961~1967年, 下刈<br>(1961~1967. Weeding)                                                                                  |
| 1962      | 南東~東向斜面沢頭階段工の一部に亀裂<br>Some terraces in upper part on the Southeast-East slope were cracked owing to the snow pressures. |
| 1964      | 亀裂の生じた階段工崩落<br>Cracked terraces were broken.                                                                            |
| 1969      | 東向斜面に切盛階段工施工<br>Cut-bank terracing was worked on the East slope.                                                        |
| 1970      | 北向斜面に切盛階段工施工<br>Same terracing, on the North slope.                                                                     |
| 1973      | 切盛階段工崩落, 裸地化する<br>Cut-bank terracing was broken and made bare lands.                                                    |
| 1974      | 部分的になだれ再発<br>Recurrence of snow avalanche, partially.                                                                   |
| 1978      | Fig. 1 参照<br>See Fig. 1.                                                                                                |

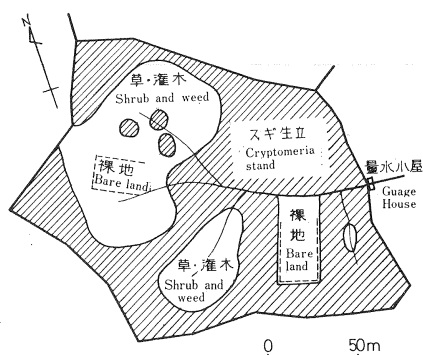


Fig. 1 2号沢集水域の林況(1978年4月)  
Stand condition on No. 2 experimental watershed (April 1978).

付けられたスギは消滅したようである。

現在の裸地や草生地には長い年月を費して雪圧に強い広葉樹が侵入し, 将来は伐採前の樹種分布に似た形に復帰するものと想像される。

以上1・2号の2つの流域の植生状態を水文的な面からみれば次のことがいえる。

1号沢はスギ広葉樹混交壮齡林で, 当地方における森林水文資料を得るための流域としてはもっとも標準的で, 適当と思われる。

2号沢は皆伐や火入れ, 不適当な階段工等の人工的処理が行われた流域であり, スギを植付けたが適地以外の場所では消滅した。なだれが発生する箇所では植生が侵入し難く, 水みちが形成されている。この流域から得られる資料は崩壊地を含む若齡造林地といった, あまりよくない流域の例となろう。

## 2) 降水量の観測

山形試験地構内気象観測露場における観測値をかかげた。

雨量は口径20 cmの転倒ます式(0.5 mm単位)と, これをチェックするための貯留型普通雨量計で, 一定期間内の実測を行った。

雪・あられ等は, 口径20 cmの隔側自記雪量計(コイルスプリング式・2 mm単位)と普通円筒型雪量計(実測用)によった。

なお観測は, 積雪期間は毎日9時の定時観測を行い, 無積雪期間は週1回の自記紙交換日のみである。ただし豪雨の際は随時ないしは1連続降雨終了時に実測を行った。

露場の雨・雪量計設置位置から理水試験地までの直線距離は, 最も近い2号沢水位計室まで800 m, 最遠点の1号沢頂上まで1,050 mである。

流域降水量測定は, 雨の場合, 普通型口径20 cm雨量計による観測値をそれにあてても大した問題は生じない。

ところが冬期の流域降雪量や, ある時点(たとえば融雪期直前など)における流域貯雪量の推定は, 口径20 cm雪量計では雪片の捕そく率が悪いので実際より過小な観測値を示すので注意を要する<sup>6)</sup>。冬期間の

日降水量・日流出量のトータルから流出率を試算するとしばしば 100% を超過するのはこのためである。

### 3) 流出量の測定

量水設備は前報告<sup>1)</sup>のとおりである。ただし使用した水位計はスチブンス F 型で自記紙は 4 日巻きである。

自記紙から読取った水位によって流量を求める計算は 1970 年まで従前と同じである。すなわち、水位に対応する流量をあらかじめ作製されてある換算表から求め、手計算によって集計する方法である。

1971 年以降は水位・流量計算式をそのまま用い本場の電算機により計算している。また 1973～1976 年は計算量の関係から農林研究計算センターも利用した。

ところで、スチブンス F 型水位計を 4 日巻きにした場合の自記紙上の時間幅は約 2.6 mm/hr. である。短時間内に激しく水位が変動する際、時間幅をなるべく短くとして読取りする必要があるが、1 目盛 4 等分が限度でこれは 15 分にあたる。

流量計算上の精度について丸山<sup>6)</sup>によれば、初めの水位  $H_1$  が直線的に変化して  $T$  時間後に  $H_2$  になったとき、この間の流量  $R_a$  は、流量式を  $Q=cH^{\frac{5}{2}}$  と仮定すると、

$$R_a = \int_0^T c \left( \frac{H_2 - H_1}{T} t \right)^{\frac{5}{2}} dt = c \frac{2}{7} \frac{T}{H_2 - H_1} \left( H_2^{\frac{7}{2}} - H_1^{\frac{7}{2}} \right) \dots \dots \dots (1)$$

実際は平均水位より流量  $R_m$  を求めるから、

$$R_m = c \left( \frac{H_2 + H_1}{2} \right)^{\frac{5}{2}} T \dots \dots \dots (2)$$

$H_2 = nH_1$  とすれば、

$$\frac{R_m - R_a}{R_a} = \left\{ \frac{7}{8\sqrt{2}} (n+1)^{\frac{5}{2}} (n-1) - (n^{\frac{7}{2}} - 1) \right\} / n^{\frac{7}{2}} - 1 \dots \dots \dots (3)$$

(3) 式において、この絶対値を 1/1,000 に止めようとすれば  $n=1.1$ 、また 1/100 程度でよければ  $n=1.3$  でよいとのべている。

前記のように自記紙上で読取可能な最小時間間隔は 15 分が限度で、この間に大幅な水位の変化があった場合について検討すると、 $n=2.0$  にも達する場合もあった。これは (3) 式によれば 1/20 以下の精度しか期待できないことになる。通常おこる出水規模の場合でも  $n=1.3 \sim 1.5$  程度になることが多く、流量の精度は前回の報告<sup>1)</sup>よりやや低下しているものとみななければならない。ただし 1 号沢・2 号沢とも全く同じ方法で計算しているので、相互比較する上ではそれほど大きな問題は生じないであろう。

このような計算精度の問題を解決するため 1976 年 8 月以降、電算機プログラムを改良した。 $H_1 \sim H_2$  間は直線的に変化するものと仮定し、 $n > 1.1$  となったとき、時間間隔を 5 分間隔に分割し、水位差を毎 5 分ごとに均等配分させることとした。すなわち  $T=30$  分の場合は 6 等分、 $T=15$  分の場合は 3 等分され、水位推定値が与えられる。さらに流量計算方法を、従前の平均水位を用いて算出する方法をやめ、区間を 6 等分としたシンプソンの積分公式を採用した。こうすることによって計算上の精度については問題がなくなった。旧プログラムによって計算した期間はもちろん、手計算にたよっていた期間内の出水時の流量の再計算をする予定であるが、この報告では 1976 年 7 月までの分は精度があまり高くないことをこ

とわっておく。

なお 1977 年 12 月、水研 62 型水位計（仕様の一部変更）に更新されたので、激しく水位が変動する場合の読取困難が解消された。

### 3. 日降水量と日流出量

1959年1月から1978年12月までの1, 2号沢の日流出量（mm）および気象観測露場における日降水量（mm）を Appendix-Table 1 に示した。いずれも日界は10時である。

1975年8月5～6日、集中豪雨により1・2号沢とも量水設備が土石に埋没し観測不能となった。この欠測期間の流出量は推定値である。その方法は、既往データーからピーク発生時までの総降雨量と、1時間最大降雨量の2因子とピーク流量の重回帰推定式を求め、この欠測期間のピーク流量を推定した。さらに減水カーブを大出水時の例から適宜あてはめたものであり、精度は必ずしも高いものとはいえない。

### 4. 月および年流出量の移動平均

観測開始の1939年1月からの月および年流出量の3年、5年、10年の経年移動平均値を Appendix-Table 2 に示した。

### 5. 年最大・最小流量および確率洪水流量

年最大・最小流量は、年間の最高水位・最低水位を自記紙から読みとり最大・最小流量（ $\text{m}^3/\text{sec}/\text{km}^2$ ）として Appendix-Table 3 に示した。ただしこれは資料の関係から1957～1978年の22か年を示した。確率洪水流量はこの最大流量により岩井法を用いて50年、100年、200年の超過確率洪水量を算出した。

### 6. 各種流量

さきに公表された宝川森林理水試験地の例<sup>7)</sup>にならい、

豊水流量：1年を通じて95日はこれを下らない流量

平水流量：1年を通じて185日はこれを下らない流量

低水流量：1年を通じて275日はこれを下らない流量

渇水流量：1年を通じて355日はこれを下らない流量

これらの流量値を1・2号沢について1959～1978年の20年間の資料で計算したものを Appendix-Table 4 に示した。両沢の各年の日流量を大きいほうから並べかえ、95日目、185日目、275日目、355日目の日流量（mm）と、その値に流域面積を乗じ、1日の秒数で除した日平均各種流量（ $\text{m}^3/\text{sec}$ ）を示した。

### 引用文献

- 1) 農林省林業試験場：森林理水試験地観測報告（日降水量・日流出量），農林省林業試験場，（1961）
- 2) 小野茂夫・川口利次：50・8・6 真室川集中豪雨について，東北支場たより，172，（1976）
- 3) 高橋喜平・小野茂夫・川口利次：伐採跡地のなだれ発生経過，雪氷，30-1，p. 26～30，（1968）
- 4) 小野茂夫・川口利次：釜淵森林理水試験第3回報告，山腹切取階段工の理水機能，林試研報，198，p. 172～184，（1967）
- 5) ————：小流域における貯雪量推定と「森林の影響」の解析，林試東北支場年報，16，p. 114～119，（1975）
- 6) 丸山岩三・猪瀬寅三：釜淵森林理水試験第1回報告，林試研報，53，p. 1～44，（1952）
- 7) 宝川試験地・防災部理水第一研究室：宝川森林理水試験地観測報告，本流・初沢試験流域，（1959年1月～1977年12月），林試研報，302，p. 97～154，（1979）

Appendix-Table 1. 1 号 沢 ・ 2 号 沢 の 日 降 水 量 ・ 日 流 出 量  
Daily precipitation and runoff of No. 1 and No. 2 experimental watersheds

(単位 Unit : mm)

| 項目<br>Item | 1 9 5 9 年                        |                 |               |                                  |                 |               |                                  |                 |               |                                  |                 |               |                                  |                 |               |                                  |                 |               |
|------------|----------------------------------|-----------------|---------------|----------------------------------|-----------------|---------------|----------------------------------|-----------------|---------------|----------------------------------|-----------------|---------------|----------------------------------|-----------------|---------------|----------------------------------|-----------------|---------------|
|            | 1 月 Jan.                         |                 |               | 2 月 Feb.                         |                 |               | 3 月 Mar.                         |                 |               | 4 月 Apr.                         |                 |               | 5 月 May                          |                 |               | 6 月 June                         |                 |               |
|            | 降水量<br>Precipitation             | 流 出 量<br>Runoff |               | 降水量<br>Precipitation             | 流 出 量<br>Runoff |               | 降水量<br>Precipitation             | 流 出 量<br>Runoff |               | 降水量<br>Precipitation             | 流 出 量<br>Runoff |               | 降水量<br>Precipitation             | 流 出 量<br>Runoff |               | 降水量<br>Precipitation             | 流 出 量<br>Runoff |               |
|            | 露 場<br>Meteorological<br>station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 |
| 日<br>Day   |                                  |                 |               |                                  |                 |               |                                  |                 |               |                                  |                 |               |                                  |                 |               |                                  |                 |               |
| 1          | 0.0                              | 2.92            | 2.68          | 0.0                              | 3.14            | 3.12          | 6.0                              | 3.85            | 4.17          | —                                | 5.13            | 4.33          | 7.5                              | 1.98            | 1.88          | 50.0                             | 13.57           | 13.89         |
| 2          | 0.0                              | 2.09            | 1.84          | 18.0                             | 4.25            | 4.25          | 22.0                             | 12.46           | 14.04         | —                                | 3.98            | 3.50          | —                                | 1.18            | 1.19          | 5.0                              | 4.77            | 5.68          |
| 3          | 24.0                             | 3.07            | 3.61          | —                                | 8.89            | 8.38          | 4.0                              | 5.64            | 5.80          | —                                | 3.40            | 2.79          | 0.0                              | 0.85            | 0.86          | 10.5                             | 1.90            | 2.41          |
| 4          | 22.0                             | 18.60           | 17.53         | 2.0                              | 6.99            | 7.98          | 2.0                              | 7.44            | 10.01         | 8.0                              | 4.99            | 3.84          | 55.5                             | 28.17           | 30.46         | 8.5                              | 3.92            | 5.04          |
| 5          | 14.0                             | 6.03            | 5.50          | —                                | 10.52           | 11.85         | 6.0                              | 18.97           | 23.13         | 32.5                             | 15.66           | 14.04         | 0.0                              | 9.46            | 9.00          | —                                | 1.31            | 1.75          |
| 6          | 10.0                             | 3.59            | 3.14          | 0.0                              | 8.97            | 8.48          | 14.0                             | 26.12           | 23.65         | 1.5                              | 12.88           | 12.53         | —                                | 3.23            | 2.93          | 15.0                             | 2.90            | 3.35          |
| 7          | 10.0                             | 2.70            | 2.31          | —                                | 8.49            | 9.91          | 8.0                              | 15.48           | 16.00         | —                                | 4.19            | 3.88          | —                                | 1.79            | 1.55          | 3.0                              | 4.15            | 4.13          |
| 8          | 2.0                              | 2.22            | 1.88          | 2.0                              | 6.11            | 7.82          | 22.0                             | 36.57           | 35.75         | 2.5                              | 2.96            | 2.80          | —                                | 1.21            | 1.06          | 5.0                              | 2.16            | 2.03          |
| 9          | 18.0                             | 1.95            | 1.70          | 16.0                             | 13.04           | 11.48         | 2.0                              | 17.75           | 20.44         | 10.5                             | 3.13            | 3.12          | —                                | 0.87            | 0.77          | 0.5                              | 1.57            | 1.41          |
| 10         | 2.0                              | 1.68            | 1.54          | 12.0                             | 7.99            | 8.49          | 14.0                             | 16.10           | 14.94         | 17.5                             | 11.82           | 13.84         | 0.0                              | 0.72            | 0.59          | 19.0                             | 3.16            | 3.12          |
| 11         | 8.0                              | 1.46            | 1.47          | 10.0                             | 4.36            | 4.39          | 4.0                              | 23.34           | 22.37         | 0.0                              | 4.06            | 5.87          | —                                | 0.55            | 0.45          | 12.0                             | 8.49            | 10.95         |
| 12         | 12.0                             | 1.41            | 1.56          | 2.0                              | 2.99            | 3.22          | 8.0                              | 10.80           | 9.30          | 15.5                             | 4.83            | 7.90          | 22.5                             | 2.87            | 2.14          | 2.5                              | 2.49            | 3.23          |
| 13         | 14.0                             | 1.36            | 1.89          | 10.0                             | 6.74            | 10.30         | 10.0                             | 5.75            | 4.63          | 20.5                             | 9.17            | 14.63         | 15.0                             | 7.19            | 7.41          | 0.5                              | 1.28            | 1.60          |
| 14         | 10.0                             | 1.33            | 1.79          | 6.0                              | 9.46            | 8.39          | 12.0                             | 3.93            | 3.40          | 2.0                              | 12.05           | 14.35         | —                                | 2.64            | 2.55          | —                                | 0.74            | 0.88          |
| 15         | 8.0                              | 1.30            | 1.67          | 8.0                              | 8.55            | 9.15          | 2.0                              | 5.79            | 5.20          | —                                | 3.93            | 3.29          | —                                | 1.20            | 1.20          | 1.0                              | 0.56            | 0.71          |
| 16         | 42.0                             | 1.33            | 1.61          | 14.0                             | 9.88            | 7.13          | 0.0                              | 4.35            | 3.93          | 1.5                              | 2.41            | 2.15          | 7.0                              | 1.37            | 1.42          | 9.5                              | 1.01            | 0.95          |
| 17         | 18.0                             | 1.36            | 1.67          | 6.0                              | 22.67           | 22.98         | —                                | 6.24            | 4.97          | 28.0                             | 10.10           | 11.43         | 1.0                              | 1.30            | 1.43          | 0.0                              | 0.64            | 0.65          |
| 18         | 16.0                             | 1.37            | 1.71          | —                                | 9.89            | 9.98          | —                                | 5.31            | 3.77          | 0.0                              | 7.44            | 7.36          | 2.5                              | 1.04            | 1.08          | —                                | 0.33            | 0.39          |
| 19         | 12.0                             | 1.49            | 1.74          | 14.0                             | 10.94           | 10.38         | 12.0                             | 12.13           | 11.95         | —                                | 3.26            | 2.84          | 1.5                              | 1.15            | 1.17          | 6.5                              | 0.42            | 0.41          |
| 20         | 12.0                             | 1.59            | 1.67          | 0.0                              | 19.00           | 21.58         | 2.0                              | 13.91           | 12.21         | —                                | 2.14            | 1.74          | —                                | 0.76            | 0.80          | 5.0                              | 1.30            | 1.02          |
| 21         | 0.0                              | 1.59            | 1.67          | 4.0                              | 11.42           | 12.11         | —                                | 8.72            | 6.57          | —                                | 1.54            | 1.29          | —                                | 0.54            | 0.52          | —                                | 0.47            | 0.42          |
| 22         | 8.0                              | 1.61            | 1.72          | 0.0                              | 7.07            | 7.76          | 32.0                             | 22.02           | 19.93         | 3.0                              | 1.21            | 0.98          | 1.5                              | 0.58            | 0.61          | —                                | 0.30            | 0.33          |
| 23         | 4.0                              | 1.59            | 1.67          | 0.0                              | 4.69            | 4.90          | 26.0                             | 32.93           | 35.05         | 23.5                             | 9.67            | 8.99          | —                                | 0.44            | 0.46          | 0.0                              | 0.21            | 0.26          |
| 24         | 6.0                              | 1.55            | 1.62          | 2.0                              | 3.50            | 4.07          | 0.0                              | 14.62           | 14.78         | 0.0                              | 2.86            | 2.64          | 0.0                              | 0.35            | 0.37          | 0.0                              | 0.18            | 0.23          |
| 25         | 8.0                              | 4.60            | 10.26         | 2.0                              | 3.18            | 3.93          | —                                | 9.49            | 8.56          | —                                | 1.86            | 1.79          | 0.5                              | 0.32            | 0.37          | 11.0                             | 1.38            | 0.73          |
| 26         | 0.0                              | 3.14            | 4.56          | 0.0                              | 2.54            | 3.07          | 0.0                              | 8.68            | 7.52          | —                                | 1.29            | 1.21          | —                                | 0.27            | 0.29          | 2.5                              | 0.71            | 0.46          |
| 27         | 2.0                              | 2.61            | 3.87          | 8.0                              | 2.58            | 3.64          | 2.0                              | 11.25           | 10.00         | 20.0                             | 4.60            | 4.85          | —                                | 0.24            | 0.24          | —                                | 0.32            | 0.29          |
| 28         | 0.0                              | 2.40            | 3.04          | 2.0                              | 3.57            | 4.78          | 0.0                              | 9.00            | 9.00          | 1.0                              | 4.50            | 5.13          | —                                | 0.21            | 0.22          | —                                | 0.20            | 0.22          |
| 29         | 26.0                             | 5.37            | 6.29          |                                  |                 |               | 48.0                             | 40.00           | 45.00         | —                                | 2.08            | 2.13          | 1.0                              | 0.21            | 0.19          | —                                | 0.17            | 0.20          |
| 30         | 12.0                             | 16.06           | 17.49         |                                  |                 |               | 42.0                             | 52.00           | 60.00         | —                                | 1.41            | 1.48          | —                                | 0.22            | 0.19          | —                                | 0.16            | 0.15          |
| 31         | 4.0                              | 5.06            | 5.03          |                                  |                 |               | —                                | 8.00            | 6.00          |                                  |                 |               | 6.0                              | 0.42            | 0.24          |                                  |                 |               |
| 計<br>Total | 324.0                            | 104.43          | 115.73        | 138.0                            | 221.42          | 233.52        | 300.0                            | 468.64          | 472.07        | 187.5                            | 158.55          | 166.72        | 121.5                            | 73.33           | 73.64         | 167.0                            | 60.77           | 66.89         |

| 項目<br>Item | 1 9 5 9 年                     |                 |               |                               |                 |               |                               |                 |               |                               |                 |               |                               |                 |               |                               |                 |               |
|------------|-------------------------------|-----------------|---------------|-------------------------------|-----------------|---------------|-------------------------------|-----------------|---------------|-------------------------------|-----------------|---------------|-------------------------------|-----------------|---------------|-------------------------------|-----------------|---------------|
|            | 7 月 July                      |                 |               | 8 月 Aug.                      |                 |               | 9 月 Sep.                      |                 |               | 10 月 Oct.                     |                 |               | 11 月 Nov.                     |                 |               | 12 月 Dec.                     |                 |               |
|            | 降水量<br>Precipitation          | 流 出 量<br>Runoff |               | 降水量<br>Precipitation          | 流 出 量<br>Runoff |               | 降水量<br>Precipitation          | 流 出 量<br>Runoff |               | 降水量<br>Precipitation          | 流 出 量<br>Runoff |               | 降水量<br>Precipitation          | 流 出 量<br>Runoff |               | 降水量<br>Precipitation          | 流 出 量<br>Runoff |               |
|            | 露 場<br>Meteorological station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 |
| 1          | 10.0                          | 0.56            | 0.32          | —                             | 0.27            | 0.33          | 40.5                          | 20.38           | 21.72         | 1.5                           | 1.31            | 1.65          | 19.5                          | 2.30            | 2.54          | 0.0                           | 0.89            | 0.95          |
| 2          | 52.5                          | 18.48           | 20.35         | —                             | 0.20            | 0.29          | 3.5                           | 16.34           | 17.60         | 1.0                           | 1.24            | 1.56          | 28.0                          | 25.72           | 27.49         | 6.5                           | 0.85            | 0.91          |
| 3          | 3.0                           | 3.73            | 4.66          | —                             | 0.19            | 0.24          | —                             | 3.27            | 3.36          | 4.5                           | 0.91            | 1.23          | 0.5                           | 5.25            | 5.50          | 20.0                          | 9.02            | 10.09         |
| 4          | 6.0                           | 2.32            | 2.84          | —                             | 0.18            | 0.20          | —                             | 1.42            | 1.54          | 10.0                          | 3.62            | 4.17          | —                             | 2.32            | 2.53          | 21.5                          | 12.08           | 13.88         |
| 5          | 34.0                          | 12.63           | 15.35         | —                             | 0.15            | 0.16          | —                             | 0.85            | 0.96          | —                             | 1.75            | 1.94          | —                             | 1.43            | 1.69          | 6.0                           | 7.00            | 8.00          |
| 6          | 17.0                          | 18.56           | 20.75         | —                             | 0.17            | 0.15          | —                             | 0.61            | 0.71          | —                             | 0.89            | 1.11          | 23.5                          | 2.94            | 2.96          | 10.0                          | 5.67            | 6.49          |
| 7          | 9.0                           | 6.31            | 7.04          | —                             | 0.18            | 0.14          | 1.0                           | 0.41            | 0.55          | 12.0                          | 2.39            | 3.09          | 9.5                           | 13.28           | 14.42         | 6.0                           | 3.82            | 3.97          |
| 8          | 18.0                          | 10.82           | 12.05         | 0.0                           | 0.15            | 0.13          | 28.0                          | 5.85            | 6.17          | 0.0                           | 1.37            | 1.81          | 10.5                          | 4.96            | 5.28          | 32.0                          | 10.87           | 10.28         |
| 9          | 20.0                          | 6.69            | 7.95          | 26.5                          | 1.87            | 1.01          | 1.5                           | 3.72            | 4.63          | —                             | 0.81            | 1.10          | 2.5                           | 4.55            | 5.14          | 24.0                          | 46.79           | 46.99         |
| 10         | 167.0                         | 156.03          | 152.04        | 1.0                           | 0.76            | 0.51          | —                             | 1.22            | 1.56          | 3.0                           | 0.69            | 0.92          | 3.0                           | 3.07            | 3.25          | —                             | 7.18            | 6.97          |
| 11         | 0.0                           | 8.12            | 7.15          | —                             | 0.19            | 0.19          | 7.0                           | 1.12            | 1.39          | 7.0                           | 1.05            | 1.20          | 0.0                           | 2.17            | 2.25          | —                             | 3.44            | 3.28          |
| 12         | 0.0                           | 2.47            | 2.35          | 9.5                           | 0.75            | 0.44          | 0.5                           | 1.34            | 1.64          | 16.5                          | 3.08            | 4.45          | 9.0                           | 3.10            | 3.61          | 4.0                           | 2.63            | 2.67          |
| 13         | 2.0                           | 1.44            | 1.55          | 0.0                           | 0.28            | 0.22          | —                             | 0.69            | 0.92          | 15.5                          | 11.91           | 14.12         | —                             | 2.62            | 3.47          | 4.0                           | 2.70            | 2.90          |
| 14         | 7.0                           | 1.55            | 1.67          | 0.0                           | 0.18            | 0.17          | —                             | 0.48            | 0.65          | 18.5                          | 12.93           | 14.65         | 5.0                           | 2.00            | 2.26          | 0.0                           | 2.04            | 2.32          |
| 15         | 8.5                           | 2.11            | 2.23          | —                             | 0.16            | 0.15          | —                             | 0.37            | 0.50          | —                             | 4.83            | 5.50          | 33.0                          | 20.04           | 21.41         | 0.0                           | 1.62            | 1.81          |
| 16         | —                             | 1.13            | 1.29          | —                             | 0.12            | 0.12          | —                             | 0.33            | 0.41          | 1.0                           | 2.25            | 2.48          | 5.0                           | 8.65            | 9.04          | 2.0                           | 1.44            | 1.52          |
| 17         | —                             | 0.61            | 0.77          | —                             | 0.11            | 0.11          | 0.0                           | 0.28            | 0.35          | —                             | 1.25            | 1.39          | 2.0                           | 4.42            | 4.51          | 2.0                           | 1.17            | 1.23          |
| 18         | 0.5                           | 0.58            | 0.74          | 16.0                          | 2.82            | 1.84          | 14.5                          | 1.02            | 1.02          | 17.5                          | 2.71            | 3.12          | 10.0                          | 4.32            | 4.49          | 12.0                          | 1.11            | 1.14          |
| 19         | 9.5                           | 2.15            | 1.28          | —                             | 0.36            | 0.26          | 0.0                           | 0.70            | 0.85          | 2.5                           | 4.52            | 5.43          | —                             | 3.23            | 3.47          | 18.0                          | 1.22            | 1.13          |
| 20         | 1.5                           | 2.31            | 1.26          | 13.0                          | 1.81            | 1.67          | 8.5                           | 0.88            | 0.92          | —                             | 1.90            | 2.32          | —                             | 2.09            | 2.19          | 0.0                           | 1.17            | 1.17          |
| 21         | 9.0                           | 1.06            | 0.99          | 53.5                          | 14.24           | 13.36         | —                             | 0.51            | 0.70          | —                             | 1.20            | 1.65          | 17.5                          | 5.59            | 6.04          | 10.0                          | 1.06            | 1.05          |
| 22         | 53.5                          | 26.15           | 27.74         | 31.5                          | 30.86           | 37.86         | —                             | 0.26            | 0.40          | 13.5                          | 3.17            | 3.85          | 6.0                           | 4.97            | 5.58          | 8.0                           | 1.16            | 1.17          |
| 23         | 36.0                          | 17.26           | 18.26         | —                             | 1.79            | 2.48          | 4.5                           | 0.38            | 0.47          | 5.0                           | 1.68            | 2.28          | 1.5                           | 3.81            | 4.37          | 14.0                          | 1.25            | 1.27          |
| 24         | 16.5                          | 31.66           | 32.49         | 0.0                           | 0.78            | 1.09          | 6.5                           | 1.10            | 1.16          | 8.5                           | 3.88            | 5.21          | 27.5                          | 17.12           | 18.48         | 6.0                           | 1.37            | 1.35          |
| 25         | —                             | 4.84            | 4.68          | 0.0                           | 0.58            | 0.75          | 15.5                          | 2.38            | 2.96          | —                             | 1.83            | 2.39          | 0.0                           | 6.56            | 6.73          | 10.0                          | 1.48            | 1.40          |
| 26         | —                             | 1.78            | 1.80          | 44.5                          | 11.25           | 10.45         | 43.5                          | 17.45           | 23.08         | —                             | 1.12            | 1.51          | 0.5                           | 3.12            | 3.08          | 6.0                           | 1.79            | 1.88          |
| 27         | —                             | 0.94            | 1.11          | 33.0                          | 33.62           | 37.82         | 14.0                          | 11.06           | 15.60         | 10.5                          | 1.16            | 1.53          | —                             | 2.03            | 1.97          | 2.0                           | 2.68            | 1.94          |
| 28         | —                             | 0.62            | 0.74          | 9.5                           | 19.05           | 19.81         | 0.5                           | 2.62            | 3.60          | 11.5                          | 5.59            | 6.46          | —                             | 1.50            | 1.48          | 2.0                           | 2.85            | 2.14          |
| 29         | —                             | 0.43            | 0.45          | 7.0                           | 4.74            | 4.76          | 10.5                          | 3.19            | 3.54          | 5.5                           | 3.46            | 3.88          | —                             | 1.18            | 1.20          | 2.0                           | 2.48            | 2.08          |
| 30         | —                             | 0.32            | 0.40          | 0.0                           | 3.01            | 3.70          | —                             | 2.04            | 2.57          | —                             | 2.27            | 2.73          | —                             | 0.97            | 1.07          | —                             | 2.22            | 2.37          |
| 31         | 0.0                           | 0.30            | 0.35          | —                             | 1.27            | 1.62          | —                             | —               | —             | —                             | 1.37            | 1.71          | —                             | —               | —             | 28.0                          | 16.66           | 15.67         |
| 計<br>Total | 480.5                         | 343.96          | 352.65        | 245.0                         | 132.09          | 142.03        | 200.0                         | 102.27          | 121.53        | 165.0                         | 88.14           | 106.44        | 214.0                         | 165.31          | 177.50        | 256.0                         | 157.71          | 160.02        |

Appendix-Table 1. (つづき) (Continued)

| 項目<br>Item | 1960年                           |               |              |                                 |               |              |                                 |               |              |                                 |               |              |                                 |               |              |                                 |               |              |
|------------|---------------------------------|---------------|--------------|---------------------------------|---------------|--------------|---------------------------------|---------------|--------------|---------------------------------|---------------|--------------|---------------------------------|---------------|--------------|---------------------------------|---------------|--------------|
|            | 1月 Jan.                         |               |              | 2月 Feb.                         |               |              | 3月 Mar.                         |               |              | 4月 Apr.                         |               |              | 5月 May                          |               |              | 6月 June                         |               |              |
|            | 降水量<br>Precipitation            | 流出量<br>Runoff |              | 降水量<br>Precipitation            | 流出量<br>Runoff |              | 降水量<br>Precipitation            | 流出量<br>Runoff |              | 降水量<br>Precipitation            | 流出量<br>Runoff |              | 降水量<br>Precipitation            | 流出量<br>Runoff |              | 降水量<br>Precipitation            | 流出量<br>Runoff |              |
|            | 露場<br>Meteorological<br>station | 1号沢<br>No. 1  | 2号沢<br>No. 2 | 露場<br>Meteorological<br>station | 1号沢<br>No. 1  | 2号沢<br>No. 2 | 露場<br>Meteorological<br>station | 1号沢<br>No. 1  | 2号沢<br>No. 2 | 露場<br>Meteorological<br>station | 1号沢<br>No. 1  | 2号沢<br>No. 2 | 露場<br>Meteorological<br>station | 1号沢<br>No. 1  | 2号沢<br>No. 2 | 露場<br>Meteorological<br>station | 1号沢<br>No. 1  | 2号沢<br>No. 2 |
| 日<br>Day   |                                 |               |              |                                 |               |              |                                 |               |              |                                 |               |              |                                 |               |              |                                 |               |              |
| 1          | —                               | 9.31          | 9.42         | 2.0                             | 1.48          | 4.28         | —                               | 14.01         | 14.92        | 8.0                             | 18.18         | 17.97        | —                               | 1.37          | 1.36         | —                               | 2.06          | 2.65         |
| 2          | 2.0                             | 4.03          | 5.01         | 2.0                             | 1.39          | 2.05         | 4.0                             | 14.83         | 15.86        | —                               | 8.82          | 7.60         | 6.0                             | 1.62          | 2.86         | —                               | 1.21          | 1.56         |
| 3          | 14.0                            | 3.74          | 5.03         | 0.0                             | 1.30          | 1.77         | 6.0                             | 7.87          | 7.64         | —                               | 7.45          | 8.25         | —                               | 1.04          | 1.92         | —                               | 0.76          | 0.98         |
| 4          | 4.0                             | 12.56         | 12.81        | 4.0                             | 1.30          | 1.64         | —                               | 4.55          | 4.98         | —                               | 6.98          | 6.98         | —                               | 0.76          | 1.00         | 7.5                             | 1.52          | 1.51         |
| 5          | 36.0                            | 41.42         | 51.55        | 2.0                             | 1.39          | 2.35         | —                               | 4.02          | 6.48         | —                               | 10.05         | 10.91        | —                               | 0.67          | 0.84         | —                               | 0.63          | 0.73         |
| 6          | 14.0                            | 7.62          | 7.12         | 6.0                             | 1.49          | 3.02         | 6.0                             | 4.74          | 6.57         | 32.0                            | 27.16         | 26.92        | —                               | 0.54          | 0.70         | 6.0                             | 0.95          | 0.98         |
| 7          | 4.0                             | 4.16          | 3.93         | 2.0                             | 6.53          | 14.53        | —                               | 5.00          | 6.80         | 14.0                            | 17.01         | 17.44        | 0.5                             | 0.49          | 0.56         | —                               | 0.68          | 0.67         |
| 8          | 4.0                             | 2.97          | 2.98         | 4.0                             | 8.68          | 10.19        | —                               | 6.02          | 8.45         | —                               | 8.82          | 8.56         | —                               | 0.40          | 0.52         | —                               | 0.39          | 0.49         |
| 9          | 6.0                             | 2.44          | 2.48         | 14.0                            | 23.33         | 24.87        | —                               | 8.29          | 9.83         | —                               | 10.72         | 10.41        | —                               | 0.39          | 0.44         | 0.5                             | 0.32          | 0.45         |
| 10         | 4.0                             | 2.32          | 2.33         | 2.0                             | 10.26         | 10.35        | —                               | 12.77         | 14.01        | 12.0                            | 16.64         | 15.32        | —                               | 0.34          | 0.40         | —                               | 0.26          | 0.37         |
| 11         | 6.0                             | 4.27          | 4.57         | 12.0                            | 4.69          | 4.76         | 2.0                             | 11.77         | 11.05        | —                               | 10.70         | 10.08        | —                               | 0.27          | 0.35         | —                               | 0.22          | 0.37         |
| 12         | 8.0                             | 3.40          | 3.28         | 22.0                            | 3.22          | 3.02         | 6.0                             | 22.94         | 22.90        | —                               | 7.68          | 8.07         | —                               | 0.27          | 0.31         | —                               | 0.19          | 0.34         |
| 13         | 0.0                             | 2.60          | 2.59         | 22.0                            | 2.71          | 2.54         | 6.0                             | 15.10         | 15.31        | 16.0                            | 13.85         | 13.33        | 6.5                             | 0.52          | 0.45         | 1.0                             | 0.19          | 0.37         |
| 14         | 14.0                            | 3.55          | 2.43         | 6.0                             | 2.45          | 2.65         | 6.0                             | 5.74          | 4.91         | 11.0                            | 18.34         | 20.50        | 45.0                            | 16.62         | 18.02        | 28.0                            | 5.07          | 4.18         |
| 15         | 0.0                             | 2.09          | 2.20         | 4.0                             | 2.28          | 2.28         | 10.0                            | 4.93          | 6.73         | —                               | 7.69          | 8.51         | —                               | 4.90          | 5.91         | —                               | 0.86          | 1.00         |
| 16         | 20.0                            | 1.91          | 2.00         | 2.0                             | 2.16          | 2.95         | 2.0                             | 3.62          | 4.46         | 19.5                            | 11.83         | 13.61        | 16.0                            | 6.91          | 7.95         | —                               | 0.48          | 0.52         |
| 17         | 10.0                            | 1.74          | 1.84         | 10.0                            | 2.10          | 2.42         | —                               | 3.67          | 4.86         | 8.0                             | 13.53         | 15.06        | —                               | 4.34          | 4.95         | —                               | 0.28          | 0.44         |
| 18         | 6.0                             | 1.75          | 1.80         | 10.0                            | 1.89          | 2.06         | 2.0                             | 3.54          | 4.33         | 0.5                             | 5.74          | 6.56         | 5.5                             | 2.49          | 2.80         | —                               | 0.24          | 0.35         |
| 19         | 2.0                             | 1.67          | 1.72         | 20.0                            | 1.84          | 1.92         | —                               | 4.99          | 6.35         | —                               | 3.93          | 5.35         | 2.5                             | 3.00          | 3.53         | —                               | 0.22          | 0.34         |
| 20         | 4.0                             | 1.59          | 1.67         | 44.0                            | 2.07          | 2.76         | 6.0                             | 9.80          | 9.95         | 33.0                            | 16.00         | 21.90        | 3.0                             | 2.03          | 2.40         | —                               | 0.17          | 0.32         |
| 21         | 6.0                             | 1.46          | 1.59         | 16.0                            | 2.44          | 2.63         | 14.0                            | 26.23         | 25.08        | 2.5                             | 8.19          | 9.44         | —                               | 1.31          | 1.63         | 4.5                             | 0.29          | 0.35         |
| 22         | 0.0                             | 1.41          | 1.59         | 2.0                             | 2.31          | 2.22         | 2.0                             | 10.19         | 10.93        | 70.5                            | 52.54         | 54.55        | —                               | 0.93          | 1.17         | 10.5                            | 1.16          | 0.85         |
| 23         | 12.0                            | 1.40          | 1.61         | 4.0                             | 3.61          | 3.99         | 4.0                             | 7.76          | 8.43         | —                               | 13.49         | 13.93        | —                               | 0.68          | 0.83         | 1.0                             | 0.57          | 0.54         |
| 24         | 12.0                            | 1.36          | 1.50         | 0.0                             | 12.73         | 15.67        | 2.0                             | 9.81          | 9.80         | —                               | 5.38          | 7.82         | —                               | 0.53          | 0.64         | 34.5                            | 9.37          | 11.00        |
| 25         | 10.0                            | 1.36          | 1.48         | 2.0                             | 22.56         | 25.00        | 2.0                             | 6.65          | 6.99         | 13.0                            | 6.91          | 7.70         | —                               | 0.42          | 0.62         | 2.0                             | 4.41          | 5.87         |
| 26         | 22.0                            | 1.36          | 1.36         | 2.0                             | 13.24         | 13.16        | 30.0                            | 25.61         | 27.19        | —                               | 4.23          | 4.76         | —                               | 0.32          | 0.51         | 4.0                             | 1.11          | 2.22         |
| 27         | 10.0                            | 1.36          | 1.34         | —                               | 6.46          | 6.08         | 16.0                            | 19.37         | 20.02        | —                               | 2.68          | 3.27         | 10.5                            | 0.72          | 0.77         | 15.5                            | 5.97          | 9.26         |
| 28         | 14.0                            | 1.36          | 1.32         | 4.0                             | 7.00          | 9.05         | 4.0                             | 15.21         | 17.83        | —                               | 1.98          | 2.48         | 10.5                            | 3.31          | 3.15         | 4.0                             | 2.53          | 4.88         |
| 29         | 2.0                             | 1.36          | 1.33         | —                               | 13.14         | 15.23        | 4.0                             | 21.21         | 23.81        | —                               | 1.53          | 2.35         | 29.5                            | 12.17         | 14.58        | 32.5                            | 12.25         | 17.07        |
| 30         | 6.0                             | 1.36          | 1.36         | —                               | —             | —            | 36.0                            | 31.46         | 29.54        | —                               | 1.20          | 1.64         | 12.0                            | 5.91          | 7.84         | 14.0                            | 17.31         | 24.00        |
| 31         | 2.0                             | 1.36          | 1.43         | —                               | —             | —            | 30.0                            | 44.66         | 43.90        | —                               | —             | —            | 0.5                             | 4.91          | 6.08         | —                               | —             | —            |
| 計<br>Total | 254.0                           | 129.09        | 142.67       | 220.0                           | 166.05        | 195.44       | 200.0                           | 386.36        | 409.91       | 240.0                           | 339.25        | 361.27       | 148.0                           | 80.18         | 95.09        | 165.5                           | 71.67         | 94.66        |

| 項目<br>Item | 1 9 6 0 年                        |                 |               |                                  |                 |               |                                  |                 |               |                                  |                 |               |                                  |                 |               |                                  |                 |               |
|------------|----------------------------------|-----------------|---------------|----------------------------------|-----------------|---------------|----------------------------------|-----------------|---------------|----------------------------------|-----------------|---------------|----------------------------------|-----------------|---------------|----------------------------------|-----------------|---------------|
|            | 7 月 July                         |                 |               | 8 月 Aug.                         |                 |               | 9 月 Sep.                         |                 |               | 10 月 Oct.                        |                 |               | 11 月 Nov.                        |                 |               | 12 月 Dec.                        |                 |               |
|            | 降水量<br>Precipitation             | 流 出 量<br>Runoff |               | 降水量<br>Precipitation             | 流 出 量<br>Runoff |               | 降水量<br>Precipitation             | 流 出 量<br>Runoff |               | 降水量<br>Precipitation             | 流 出 量<br>Runoff |               | 降水量<br>Precipitation             | 流 出 量<br>Runoff |               | 降水量<br>Precipitation             | 流 出 量<br>Runoff |               |
|            | 露 場<br>Meteorological<br>station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 |
| 日<br>Day   |                                  |                 |               |                                  |                 |               |                                  |                 |               |                                  |                 |               |                                  |                 |               |                                  |                 |               |
| 1          | —                                | 4.04            | 5.87          | —                                | 0.65            | 0.74          | —                                | 0.16            | 0.28          | 9.5                              | 1.87            | 1.27          | —                                | 0.53            | 1.17          | 4.0                              | 14.85           | 18.39         |
| 2          | —                                | 1.47            | 2.64          | 5.5                              | 0.36            | 0.42          | —                                | 0.13            | 0.26          | —                                | 0.64            | 1.93          | 2.0                              | 0.53            | 1.04          | 4.0                              | 6.95            | 6.80          |
| 3          | 33.5                             | 9.54            | 11.58         | 9.5                              | 3.05            | 2.53          | 14.5                             | 1.00            | 0.72          | —                                | 0.39            | 1.26          | 1.0                              | 0.66            | 1.14          | 4.0                              | 10.94           | 11.57         |
| 4          | 68.0                             | 70.89           | 75.54         | —                                | 0.49            | 0.58          | 6.0                              | 1.58            | 1.60          | —                                | 0.31            | 0.98          | 2.0                              | 0.44            | 0.85          | —                                | 4.78            | 4.79          |
| 5          | —                                | 4.70            | 5.09          | —                                | 0.26            | 0.32          | 0.5                              | 1.16            | 1.51          | 0.5                              | 0.28            | 0.80          | 2.0                              | 0.46            | 0.81          | 10.0                             | 6.37            | 5.73          |
| 6          | —                                | 1.74            | 2.11          | —                                | 0.17            | 0.22          | —                                | 0.39            | 0.57          | 11.5                             | 1.62            | 2.75          | —                                | 0.44            | 0.78          | 8.0                              | 4.75            | 5.20          |
| 7          | —                                | 0.93            | 1.24          | —                                | 0.15            | 0.20          | 3.0                              | 0.33            | 0.42          | 23.5                             | 8.46            | 11.78         | 8.0                              | 0.54            | 0.89          | 22.0                             | 3.48            | 3.70          |
| 8          | 8.0                              | 1.39            | 1.72          | —                                | 0.14            | 0.20          | 1.5                              | 0.45            | 0.49          | 14.5                             | 12.34           | 15.88         | 6.0                              | 3.88            | 5.09          | 8.0                              | 3.04            | 3.25          |
| 9          | 5.0                              | 1.74            | 1.99          | —                                | 0.15            | 0.21          | 15.0                             | 3.99            | 4.24          | —                                | 2.53            | 3.68          | 12.0                             | 2.13            | 2.78          | 16.0                             | 7.50            | 5.31          |
| 10         | 4.0                              | 2.00            | 2.55          | 5.0                              | 0.24            | 0.24          | —                                | 0.84            | 1.09          | —                                | 1.23            | 2.00          | 11.0                             | 9.68            | 12.47         | 36.0                             | 52.06           | 61.87         |
| 11         | —                                | 1.02            | 1.56          | 22.5                             | 1.75            | 1.09          | 11.0                             | 1.16            | 1.27          | —                                | 0.73            | 1.39          | 11.0                             | 6.12            | 8.23          | —                                | 12.95           | 12.60         |
| 12         | —                                | 0.76            | 1.18          | 33.5                             | 11.63           | 13.77         | 2.0                              | 2.06            | 2.83          | —                                | 0.45            | 1.07          | —                                | 3.51            | 4.87          | 30.0                             | 28.44           | 28.51         |
| 13         | 29.0                             | 5.02            | 4.95          | 31.5                             | 22.25           | 30.51         | —                                | 0.98            | 1.36          | —                                | 0.29            | 0.84          | 4.0                              | 2.35            | 3.16          | 24.0                             | 21.11           | 20.93         |
| 14         | 38.0                             | 49.52           | 50.93         | —                                | 1.35            | 2.60          | 3.0                              | 0.58            | 0.91          | —                                | 0.22            | 0.63          | 10.0                             | 2.90            | 3.81          | 16.0                             | 9.75            | 8.54          |
| 15         | —                                | 11.81           | 9.87          | —                                | 0.59            | 1.28          | 1.5                              | 0.66            | 0.90          | —                                | 0.22            | 0.52          | 3.0                              | 4.58            | 5.51          | 12.0                             | 19.58           | 16.57         |
| 16         | —                                | 2.53            | 2.76          | —                                | 0.36            | 0.76          | 5.0                              | 1.21            | 1.62          | 22.5                             | 2.74            | 3.18          | —                                | 2.38            | 3.08          | 8.0                              | 12.86           | 15.64         |
| 17         | —                                | 1.20            | 1.44          | —                                | 0.26            | 0.63          | —                                | 0.51            | 0.88          | 1.0                              | 2.40            | 4.78          | —                                | 1.52            | 2.05          | 36.0                             | 29.54           | 31.30         |
| 18         | —                                | 0.71            | 0.97          | —                                | 0.17            | 0.48          | 18.0                             | 3.82            | 4.26          | —                                | 0.74            | 1.89          | 6.0                              | 1.93            | 2.36          | 6.0                              | 9.61            | 9.63          |
| 19         | —                                | 0.49            | 0.64          | —                                | 0.14            | 0.35          | 23.0                             | 12.06           | 14.91         | —                                | 0.43            | 1.28          | 8.0                              | 4.98            | 5.90          | 4.0                              | 4.27            | 4.17          |
| 20         | —                                | 0.46            | 0.60          | —                                | 0.13            | 0.32          | —                                | 1.67            | 4.31          | —                                | 0.30            | 0.98          | —                                | 2.44            | 2.76          | 12.0                             | 3.08            | 3.15          |
| 21         | —                                | 0.33            | 0.48          | 6.0                              | 0.31            | 0.41          | —                                | 0.66            | 2.21          | —                                | 0.22            | 0.84          | —                                | 1.51            | 1.92          | —                                | 2.73            | 2.88          |
| 22         | —                                | 0.25            | 0.37          | —                                | 0.16            | 0.28          | —                                | 0.35            | 1.57          | —                                | 0.21            | 0.71          | —                                | 1.16            | 1.48          | 20.0                             | 2.50            | 2.98          |
| 23         | —                                | 0.22            | 0.30          | —                                | 0.16            | 0.29          | 10.0                             | 0.84            | 1.88          | —                                | 0.18            | 0.59          | —                                | 1.00            | 1.24          | —                                | 2.74            | 2.56          |
| 24         | —                                | 0.20            | 0.25          | 5.0                              | 0.61            | 0.42          | 13.0                             | 5.16            | 8.89          | —                                | 0.18            | 0.48          | —                                | 0.89            | 1.08          | —                                | 2.48            | 2.18          |
| 25         | 2.5                              | 0.32            | 0.31          | 4.0                              | 0.45            | 0.38          | 1.0                              | 1.47            | 3.62          | 8.0                              | 0.84            | 1.21          | 24.0                             | 10.75           | 16.73         | 38.0                             | 21.99           | 24.21         |
| 26         | —                                | 0.23            | 0.24          | —                                | 0.28            | 0.30          | —                                | 0.71            | 2.16          | 7.5                              | 0.35            | 0.82          | 14.0                             | 8.93            | 10.79         | 14.0                             | 8.89            | 7.18          |
| 27         | —                                | 0.19            | 0.21          | 13.0                             | 0.70            | 0.51          | 48.0                             | 23.31           | 33.28         | 11.5                             | 5.19            | 8.13          | 18.0                             | 5.39            | 6.87          | 12.0                             | 4.23            | 3.48          |
| 28         | —                                | 0.17            | 0.20          | 5.5                              | 2.15            | 1.86          | —                                | 3.06            | 7.09          | —                                | 1.05            | 2.26          | 12.0                             | 3.73            | 4.73          | 10.0                             | 2.98            | 2.62          |
| 29         | —                                | 0.14            | 0.20          | 12.5                             | 0.94            | 0.84          | —                                | 1.06            | 2.89          | —                                | 0.59            | 1.47          | —                                | 4.09            | 5.38          | 10.0                             | 2.47            | 2.35          |
| 30         | —                                | 0.13            | 0.16          | —                                | 1.28            | 1.52          | —                                | 0.66            | 1.83          | —                                | 0.69            | 1.34          | 18.0                             | 11.25           | 12.77         | 32.0                             | 2.19            | 2.15          |
| 31         | 36.0                             | 5.63            | 3.92          | —                                | 0.28            | 0.44          | —                                | —               | —             | 0.5                              | 0.72            | 1.31          | —                                | —               | —             | 14.0                             | 2.01            | 2.06          |
| 計<br>Total | 224.0                            | 179.77          | 191.87        | 153.5                            | 51.61           | 64.70         | 176.0                            | 72.02           | 109.85        | 114.5                            | 48.41           | 78.38         | 172.0                            | 100.70          | 131.74        | 410.0                            | 321.12          | 332.30        |

Appendix-Table 1. (つづき) (Continued)

| 項目<br>Item | 1 9 6 1 年                     |                 |               |                               |                 |               |                               |                 |               |                               |                 |               |                               |                 |               |                               |                 |               |
|------------|-------------------------------|-----------------|---------------|-------------------------------|-----------------|---------------|-------------------------------|-----------------|---------------|-------------------------------|-----------------|---------------|-------------------------------|-----------------|---------------|-------------------------------|-----------------|---------------|
|            | 1 月 Jan.                      |                 |               | 2 月 Feb.                      |                 |               | 3 月 Mar.                      |                 |               | 4 月 Apr.                      |                 |               | 5 月 May                       |                 |               | 6 月 June                      |                 |               |
|            | 降水量<br>Precipitation          | 流 出 量<br>Runoff |               | 降水量<br>Precipitation          | 流 出 量<br>Runoff |               | 降水量<br>Precipitation          | 流 出 量<br>Runoff |               | 降水量<br>Precipitation          | 流 出 量<br>Runoff |               | 降水量<br>Precipitation          | 流 出 量<br>Runoff |               | 降水量<br>Precipitation          | 流 出 量<br>Runoff |               |
|            | 露 場<br>Meteorological station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 |
| 日<br>Day   |                               |                 |               |                               |                 |               |                               |                 |               |                               |                 |               |                               |                 |               |                               |                 |               |
| 1          | 6.0                           | 1.91            | 1.98          | 2.0                           | 1.58            | 1.61          | —                             | 5.51            | 10.48         | 8.0                           | 34.17           | 38.24         | —                             | 3.15            | 1.80          | —                             | 0.40            | 0.44          |
| 2          | 4.0                           | 1.83            | 1.87          | 2.0                           | 1.53            | 1.61          | 8.0                           | 13.18           | 18.04         | —                             | 25.02           | 28.25         | 1.0                           | 2.38            | 1.34          | —                             | 0.23            | 0.25          |
| 3          | 10.0                          | 1.79            | 1.81          | 16.0                          | 1.53            | 1.61          | 2.0                           | 14.64           | 17.05         | —                             | 21.61           | 21.83         | —                             | 1.85            | 1.01          | —                             | 0.18            | 0.22          |
| 4          | 20.0                          | 1.77            | 1.81          | 8.0                           | 1.53            | 1.57          | 4.0                           | 7.28            | 7.67          | 16.0                          | 37.76           | 36.04         | 5.0                           | 1.51            | 1.03          | 6.5                           | 0.21            | 0.23          |
| 5          | 12.0                          | 1.77            | 1.80          | —                             | 1.68            | 2.74          | —                             | 7.63            | 8.46          | 4.0                           | 35.36           | 34.23         | 14.5                          | 4.34            | 4.11          | 2.5                           | 0.77            | 0.45          |
| 6          | 10.0                          | 1.77            | 1.73          | 4.0                           | 1.71            | 2.46          | 2.0                           | 9.58            | 14.07         | 14.0                          | 18.83           | 20.57         | —                             | 2.64            | 2.82          | —                             | 0.21            | 0.27          |
| 7          | 8.0                           | 1.65            | 1.67          | 24.0                          | 11.52           | 20.31         | 8.0                           | 6.12            | 7.85          | —                             | 14.87           | 15.32         | —                             | 1.45            | 1.44          | —                             | 0.15            | 0.19          |
| 8          | 28.0                          | 1.64            | 1.67          | 8.0                           | 6.64            | 6.88          | 10.0                          | 4.08            | 4.42          | 4.0                           | 20.74           | 21.55         | 14.5                          | 5.43            | 5.35          | —                             | 0.13            | 0.18          |
| 9          | —                             | 1.61            | 1.63          | 14.0                          | 3.70            | 3.46          | 10.0                          | 3.01            | 3.30          | 6.0                           | 13.95           | 13.75         | —                             | 2.25            | 2.50          | 45.5                          | 10.32           | 9.62          |
| 10         | 4.0                           | 1.59            | 1.58          | 4.0                           | 2.81            | 2.62          | 6.0                           | 2.60            | 2.63          | —                             | 9.35            | 9.76          | —                             | 1.34            | 1.51          | 9.0                           | 9.71            | 12.70         |
| 11         | 10.0                          | 1.54            | 1.61          | 4.0                           | 2.45            | 2.33          | 2.0                           | 2.32            | 2.38          | —                             | 16.27           | 16.33         | —                             | 0.91            | 1.13          | 3.5                           | 2.00            | 3.22          |
| 12         | 8.0                           | 1.54            | 1.61          | 22.0                          | 2.17            | 2.24          | —                             | 4.79            | 9.09          | —                             | 19.26           | 18.73         | 16.5                          | 3.92            | 3.97          | 9.5                           | 1.41            | 2.00          |
| 13         | 6.0                           | 1.54            | 1.54          | 24.0                          | 2.06            | 2.13          | —                             | 7.16            | 10.99         | —                             | 23.82           | 21.80         | —                             | 2.56            | 3.07          | 6.5                           | 2.89            | 4.00          |
| 14         | —                             | 1.53            | 1.54          | 6.0                           | 1.90            | 1.87          | —                             | 6.92            | 10.49         | 13.0                          | 28.22           | 27.36         | —                             | 1.25            | 1.53          | 0.5                           | 2.29            | 3.41          |
| 15         | 8.0                           | 1.52            | 1.54          | 10.0                          | 1.82            | 1.78          | —                             | 7.89            | 12.11         | 12.5                          | 35.91           | 31.52         | —                             | 0.85            | 1.12          | —                             | 0.88            | 1.57          |
| 16         | 2.0                           | 1.47            | 1.50          | 14.0                          | 1.74            | 1.78          | —                             | 7.92            | 12.42         | 21.5                          | 33.41           | 32.63         | —                             | 0.65            | 0.85          | 18.0                          | 2.05            | 2.57          |
| 17         | —                             | 1.47            | 1.47          | 10.0                          | 1.65            | 1.74          | —                             | 10.37           | 15.36         | 3.0                           | 22.88           | 23.68         | —                             | 0.49            | 0.68          | 12.5                          | 7.71            | 9.65          |
| 18         | 2.0                           | 1.43            | 1.47          | 4.0                           | 1.64            | 1.72          | —                             | 23.29           | 36.78         | —                             | 11.90           | 11.96         | 1.5                           | 0.38            | 0.56          | —                             | 2.76            | 4.11          |
| 19         | 14.0                          | 1.44            | 1.47          | 2.0                           | 1.64            | 1.68          | —                             | 9.58            | 9.92          | —                             | 11.64           | 11.14         | 1.0                           | 0.49            | 0.61          | —                             | 1.21            | 2.00          |
| 20         | 2.0                           | 1.39            | 1.47          | —                             | 1.61            | 1.74          | —                             | 11.57           | 18.17         | —                             | 16.07           | 13.23         | 16.0                          | 2.07            | 1.72          | 2.5                           | 0.83            | 1.17          |
| 21         | 42.0                          | 1.39            | 1.47          | 8.0                           | 1.80            | 3.75          | 2.0                           | 9.78            | 15.03         | 4.5                           | 19.36           | 17.69         | 5.5                           | 2.48            | 2.79          | 0.5                           | 0.82            | 1.01          |
| 22         | 12.0                          | 1.35            | 1.45          | 10.0                          | 1.94            | 3.16          | 2.0                           | 11.54           | 17.29         | —                             | 10.22           | 7.75          | 0.5                           | 1.10            | 1.52          | —                             | 0.51            | 0.64          |
| 23         | 6.0                           | 1.33            | 1.46          | 6.0                           | 1.78            | 2.33          | 4.0                           | 6.21            | 6.29          | 0.5                           | 8.56            | 7.02          | 0.5                           | 0.59            | 0.93          | 1.0                           | 0.43            | 0.52          |
| 24         | 4.0                           | 1.28            | 1.39          | —                             | 1.95            | 4.29          | 2.0                           | 8.26            | 11.57         | —                             | 7.49            | 5.45          | 0.5                           | 0.52            | 0.73          | 11.0                          | 1.42            | 1.22          |
| 25         | 26.0                          | 2.02            | 1.63          | —                             | 2.59            | 6.02          | —                             | 14.03           | 20.58         | 0.5                           | 4.76            | 3.76          | —                             | 0.40            | 0.59          | 13.5                          | 4.49            | 4.56          |
| 26         | 24.0                          | 2.09            | 3.21          | —                             | 2.31            | 3.34          | —                             | 7.01            | 10.43         | 29.0                          | 14.56           | 9.21          | —                             | 0.31            | 0.46          | 33.0                          | 10.78           | 11.63         |
| 27         | 10.0                          | 1.82            | 1.94          | —                             | 2.25            | 4.23          | 6.0                           | 4.28            | 5.25          | 27.0                          | 30.25           | 27.95         | —                             | 0.24            | 0.42          | 28.5                          | 38.79           | 41.25         |
| 28         | 2.0                           | 1.75            | 1.77          | 6.0                           | 2.22            | 3.06          | 2.0                           | 8.13            | 11.76         | —                             | 10.20           | 7.53          | —                             | 0.25            | 0.37          | —                             | 4.41            | 4.29          |
| 29         | 2.0                           | 1.61            | 1.64          | —                             | —               | —             | 10.0                          | 14.77           | 19.75         | —                             | 5.78            | 3.87          | 8.0                           | 0.77            | 0.70          | —                             | 1.59            | 3.22          |
| 30         | 16.0                          | 1.59            | 1.64          | —                             | —               | —             | 2.0                           | 19.29           | 23.14         | —                             | 4.66            | 2.90          | —                             | 0.29            | 0.35          | 35.0                          | 13.56           | 15.45         |
| 31         | 16.0                          | 1.59            | 1.61          | —                             | —               | —             | —                             | 19.29           | 22.37         | —                             | —               | —             | 8.0                           | 0.84            | 0.71          | —                             | —               | —             |
| 計<br>Total | 314.0                         | 50.02           | 56.98         | 208.0                         | 69.75           | 94.06         | 82.0                          | 288.03          | 395.14        | 163.5                         | 566.88          | 541.05        | 93.0                          | 47.70           | 47.65         | 238.5                         | 123.14          | 142.04        |

| 項目<br>Item | 1 9 6 1 年                        |                 |               |                                  |                 |               |                                  |                 |               |                                  |                 |               |                                  |                 |               |                                  |                 |               |
|------------|----------------------------------|-----------------|---------------|----------------------------------|-----------------|---------------|----------------------------------|-----------------|---------------|----------------------------------|-----------------|---------------|----------------------------------|-----------------|---------------|----------------------------------|-----------------|---------------|
|            | 7 月 July                         |                 |               | 8 月 Aug.                         |                 |               | 9 月 Sep.                         |                 |               | 10 月 Oct.                        |                 |               | 11 月 Nov.                        |                 |               | 12 月 Dec.                        |                 |               |
|            | 降水量<br>Precipitation             | 流 出 量<br>Runoff |               | 降水量<br>Precipitation             | 流 出 量<br>Runoff |               | 降水量<br>Precipitation             | 流 出 量<br>Runoff |               | 降水量<br>Precipitation             | 流 出 量<br>Runoff |               | 降水量<br>Precipitation             | 流 出 量<br>Runoff |               | 降水量<br>Precipitation             | 流 出 量<br>Runoff |               |
|            | 露 場<br>Meteorological<br>station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 |
| 日<br>Day   |                                  |                 |               |                                  |                 |               |                                  |                 |               |                                  |                 |               |                                  |                 |               |                                  |                 |               |
| 1          | —                                | 9.44            | 9.87          | 17.0                             | 2.16            | 2.02          | —                                | 0.98            | 1.23          | 0.5                              | 0.87            | 0.91          | —                                | 0.20            | 0.38          | —                                | 2.32            | 2.34          |
| 2          | 14.5                             | 3.59            | 3.80          | —                                | 0.46            | 0.73          | 23.5                             | 6.41            | 7.53          | 2.5                              | 0.84            | 0.89          | 4.0                              | 0.21            | 0.40          | —                                | 1.67            | 1.69          |
| 3          | 124.5                            | 102.35          | 106.18        | 7.0                              | 0.76            | 0.87          | —                                | 0.84            | 1.62          | 2.5                              | 0.79            | 0.84          | 56.0                             | 30.32           | 34.88         | —                                | 1.32            | 1.29          |
| 4          | 2.0                              | 26.75           | 27.00         | 1.0                              | 0.77            | 1.04          | 2.5                              | 0.61            | 1.15          | 13.5                             | 1.84            | 2.25          | 4.5                              | 5.43            | 5.78          | —                                | 1.07            | 1.05          |
| 5          | —                                | 3.94            | 3.85          | 44.0                             | 13.24           | 16.55         | 1.5                              | 0.61            | 1.28          | 22.0                             | 12.86           | 15.78         | 0.5                              | 2.83            | 3.14          | —                                | 0.97            | 0.94          |
| 6          | 7.5                              | 2.54            | 2.48          | 7.0                              | 9.99            | 14.76         | 31.5                             | 11.48           | 15.98         | 2.5                              | 3.30            | 4.17          | —                                | 1.90            | 1.91          | 6.0                              | 1.43            | 0.99          |
| 7          | 29.5                             | 14.12           | 15.59         | 1.0                              | 2.32            | 3.49          | —                                | 1.76            | 3.05          | 0.5                              | 2.48            | 2.76          | —                                | 1.39            | 1.41          | 34.0                             | 1.35            | 1.34          |
| 8          | 12.0                             | 12.11           | 13.98         | 17.0                             | 4.24            | 4.84          | 2.0                              | 0.78            | 1.54          | —                                | 1.62            | 1.71          | 6.5                              | 1.81            | 1.66          | 2.0                              | 4.43            | 3.22          |
| 9          | 41.5                             | 19.73           | 20.77         | 3.0                              | 4.52            | 5.49          | 18.5                             | 2.92            | 4.13          | 12.0                             | 1.62            | 2.02          | 5.0                              | 2.22            | 2.59          | 2.0                              | 10.81           | 10.04         |
| 10         | 1.0                              | 24.43           | 25.84         | —                                | 1.47            | 2.27          | 13.5                             | 5.63            | 8.15          | 3.0                              | 3.80            | 3.79          | 25.5                             | 15.57           | 16.95         | 8.0                              | 7.21            | 8.03          |
| 11         | 9.5                              | 6.86            | 6.93          | —                                | 0.72            | 1.37          | —                                | 3.05            | 4.85          | 4.0                              | 2.26            | 3.30          | 1.5                              | 6.52            | 7.16          | —                                | 10.48           | 13.45         |
| 12         | —                                | 3.70            | 3.73          | —                                | 0.50            | 0.99          | —                                | 1.09            | 2.08          | 3.0                              | 1.34            | 2.21          | 6.5                              | 3.71            | 3.96          | 16.0                             | 7.00            | 7.86          |
| 13         | 11.5                             | 3.69            | 3.56          | —                                | 0.36            | 0.71          | 5.0                              | 1.05            | 1.71          | —                                | 0.98            | 1.53          | 4.5                              | 3.16            | 4.11          | 14.0                             | 10.74           | 11.07         |
| 14         | 17.5                             | 11.33           | 12.62         | —                                | 0.28            | 0.55          | 29.5                             | 7.36            | 8.00          | —                                | 0.62            | 1.10          | —                                | 2.88            | 3.53          | 16.0                             | 6.09            | 6.89          |
| 15         | —                                | 4.00            | 4.98          | 6.0                              | 1.82            | 2.05          | 21.5                             | 23.60           | 27.81         | —                                | 0.47            | 0.91          | 0.5                              | 1.99            | 2.28          | 2.0                              | 3.99            | 4.19          |
| 16         | 48.5                             | 28.29           | 29.86         | —                                | 0.41            | 0.82          | 16.0                             | 7.75            | 10.81         | —                                | 0.48            | 0.83          | —                                | 1.47            | 1.73          | 20.0                             | 4.35            | 4.26          |
| 17         | 24.0                             | 26.44           | 27.92         | —                                | 0.26            | 0.52          | 8.0                              | 4.57            | 6.27          | 1.5                              | 0.42            | 0.71          | 51.0                             | 21.12           | 22.03         | 8.0                              | 3.42            | 3.06          |
| 18         | —                                | 5.18            | 5.19          | —                                | 0.20            | 0.42          | 1.0                              | 2.56            | 3.46          | —                                | 1.67            | 2.14          | 60.5                             | 77.93           | 74.99         | 26.0                             | 5.45            | 3.84          |
| 19         | —                                | 1.89            | 2.10          | —                                | 0.17            | 0.35          | —                                | 1.27            | 1.85          | 14.5                             | 6.25            | 8.72          | 0.5                              | 9.20            | 7.65          | 6.0                              | 27.09           | 25.27         |
| 20         | —                                | 1.08            | 1.21          | —                                | 0.16            | 0.34          | —                                | 0.70            | 1.21          | 12.0                             | 1.66            | 2.76          | —                                | 3.90            | 3.24          | 14.0                             | 7.60            | 7.22          |
| 21         | —                                | 0.75            | 0.85          | —                                | 0.15            | 0.29          | 1.0                              | 0.66            | 1.03          | —                                | 0.93            | 1.71          | 10.0                             | 4.70            | 3.01          | 12.0                             | 4.57            | 4.42          |
| 22         | —                                | 0.59            | 0.66          | 31.0                             | 5.04            | 6.14          | —                                | 0.46            | 0.80          | —                                | 2.75            | 3.19          | 10.0                             | 7.85            | 8.09          | 2.0                              | 3.27            | 3.38          |
| 23         | —                                | 0.49            | 0.52          | —                                | 0.53            | 1.23          | 39.5                             | 13.28           | 13.97         | 15.0                             | 7.23            | 8.95          | 24.0                             | 10.57           | 11.63         | 26.0                             | 2.93            | 2.90          |
| 24         | —                                | 0.43            | 0.47          | —                                | 0.32            | 0.82          | —                                | 4.60            | 5.81          | 6.5                              | 1.76            | 2.77          | 24.0                             | 17.19           | 14.50         | 4.0                              | 2.83            | 3.83          |
| 25         | —                                | 0.38            | 0.45          | 0.5                              | 0.25            | 0.56          | 23.5                             | 6.70            | 8.50          | —                                | 1.11            | 1.62          | 10.0                             | 20.81           | 23.55         | 16.0                             | 2.66            | 3.07          |
| 26         | 19.5                             | 2.51            | 1.88          | 47.5                             | 8.42            | 10.05         | 13.5                             | 12.31           | 14.14         | —                                | 0.70            | 1.16          | 4.0                              | 10.82           | 11.78         | 20.0                             | 2.43            | 2.62          |
| 27         | 10.5                             | 4.39            | 5.17          | 35.0                             | 27.12           | 38.58         | 0.5                              | 7.84            | 8.01          | —                                | 0.49            | 0.79          | 2.0                              | 6.65            | 5.18          | 4.0                              | 2.37            | 2.44          |
| 28         | —                                | 0.78            | 1.15          | 0.5                              | 3.41            | 6.13          | —                                | 2.86            | 2.86          | 2.0                              | 0.48            | 0.66          | 14.0                             | 10.54           | 10.45         | 2.0                              | 2.36            | 2.43          |
| 29         | —                                | 0.46            | 0.63          | —                                | 1.19            | 2.14          | —                                | 1.38            | 1.62          | —                                | 0.35            | 0.57          | 4.0                              | 6.44            | 7.28          | 12.0                             | 2.37            | 2.43          |
| 30         | —                                | 0.35            | 0.54          | —                                | 0.59            | 1.26          | 0.5                              | 1.02            | 1.17          | —                                | 0.28            | 0.49          | —                                | 3.44            | 3.87          | —                                | 2.37            | 2.41          |
| 31         | —                                | 0.30            | 0.42          | —                                | 0.38            | 0.87          | —                                | —               | —             | —                                | 0.25            | 0.45          | —                                | —               | —             | —                                | 2.27            | 2.45          |
| 計<br>Total | 374.5                            | 322.89          | 340.20        | 217.5                            | 92.21           | 128.25        | 252.5                            | 136.13          | 171.13        | 117.5                            | 62.50           | 81.69         | 329.0                            | 292.77          | 299.12        | 272.0                            | 149.22          | 166.53        |

Appendix-Table 1. (つづき) (Continued)

| 項目<br>Item | 1 9 6 2 年                        |                 |              |                                  |                 |              |                                  |                 |              |                                  |                 |              |                                  |                 |              |                                  |                 |              |
|------------|----------------------------------|-----------------|--------------|----------------------------------|-----------------|--------------|----------------------------------|-----------------|--------------|----------------------------------|-----------------|--------------|----------------------------------|-----------------|--------------|----------------------------------|-----------------|--------------|
|            | 1 月 Jan.                         |                 |              | 2 月 Feb.                         |                 |              | 3 月 Mar.                         |                 |              | 4 月 Apr.                         |                 |              | 5 月 May                          |                 |              | 6 月 June                         |                 |              |
|            | 降水量<br>Precipitation             | 流 出 量<br>Runoff |              | 降水量<br>Precipitation             | 流 出 量<br>Runoff |              | 降水量<br>Precipitation             | 流 出 量<br>Runoff |              | 降水量<br>Precipitation             | 流 出 量<br>Runoff |              | 降水量<br>Precipitation             | 流 出 量<br>Runoff |              | 降水量<br>Precipitation             | 流 出 量<br>Runoff |              |
|            | 露 場<br>Meteorological<br>station | 1号沢<br>No. 1    | 2号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1号沢<br>No. 1    | 2号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1号沢<br>No. 1    | 2号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1号沢<br>No. 1    | 2号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1号沢<br>No. 1    | 2号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1号沢<br>No. 1    | 2号沢<br>No. 2 |
| 日<br>Day   |                                  |                 |              |                                  |                 |              |                                  |                 |              |                                  |                 |              |                                  |                 |              |                                  |                 |              |
| 1          | 14.0                             | 2.34            | 2.39         | —                                | 1.75            | 2.79         | —                                | 1.54            | 2.37         | —                                | 16.01           | 20.36        | —                                | 6.15            | 3.71         | —                                | 0.23            | 0.29         |
| 2          | 22.0                             | 17.38           | 19.87        | —                                | 1.79            | 2.48         | 2.0                              | 1.51            | 2.13         | —                                | 21.03           | 24.32        | —                                | 5.19            | 2.21         | 1.5                              | 0.23            | 0.29         |
| 3          | 2.0                              | 14.77           | 16.59        | 4.0                              | 1.82            | 2.53         | 14.0                             | 1.47            | 1.89         | 24.0                             | 48.68           | 57.23        | —                                | 3.98            | 1.63         | 26.5                             | 4.43            | 3.27         |
| 4          | 46.0                             | 7.76            | 6.80         | 4.0                              | 1.84            | 2.27         | 8.0                              | 1.81            | 3.18         | 22.0                             | 17.11           | 14.88        | 39.0                             | 14.73           | 12.77        | 15.5                             | 10.37           | 11.40        |
| 5          | 10.0                             | 5.73            | 5.16         | 8.0                              | 1.83            | 3.29         | —                                | 3.05            | 5.48         | —                                | 10.94           | 11.11        | —                                | 11.25           | 10.82        | —                                | 2.07            | 2.65         |
| 6          | 8.0                              | 4.11            | 3.93         | 16.0                             | 2.61            | 3.49         | —                                | 2.83            | 3.94         | —                                | 17.88           | 20.06        | —                                | 4.17            | 3.38         | —                                | 0.90            | 1.25         |
| 7          | 6.0                              | 3.43            | 3.26         | 10.0                             | 2.45            | 2.84         | 8.0                              | 3.02            | 3.90         | —                                | 26.92           | 27.82        | —                                | 2.76            | 1.82         | 7.0                              | 1.10            | 1.27         |
| 8          | —                                | 3.34            | 3.26         | —                                | 2.53            | 4.07         | —                                | 2.52            | 3.40         | —                                | 31.62           | 32.07        | —                                | 1.78            | 1.29         | —                                | 0.80            | 1.03         |
| 9          | —                                | 3.08            | 2.99         | —                                | 4.00            | 7.37         | 2.0                              | 2.76            | 5.32         | 10.0                             | 29.90           | 30.78        | 6.0                              | 2.15            | 1.45         | 36.0                             | 12.39           | 14.37        |
| 10         | 2.0                              | 2.79            | 2.72         | 4.0                              | 4.43            | 5.62         | 6.0                              | 9.10            | 14.82        | 6.0                              | 34.16           | 38.65        | —                                | 1.29            | 0.99         | 22.0                             | 17.17           | 20.07        |
| 11         | 8.0                              | 2.54            | 2.48         | 20.0                             | 28.21           | 53.53        | 16.0                             | 7.44            | 10.37        | —                                | 25.47           | 30.52        | 8.0                              | 1.15            | 0.88         | 1.0                              | 10.86           | 11.85        |
| 12         | 18.0                             | 6.86            | 6.46         | 8.0                              | 10.24           | 10.40        | 16.0                             | 24.03           | 38.94        | —                                | 19.55           | 21.53        | 10.0                             | 3.99            | 3.57         | 0.5                              | 3.11            | 3.66         |
| 13         | 12.0                             | 8.40            | 6.07         | 8.0                              | 5.06            | 4.78         | —                                | 10.83           | 11.62        | 16.0                             | 25.97           | 29.50        | 12.0                             | 4.27            | 4.66         | 28.5                             | 14.72           | 16.62        |
| 14         | 8.0                              | 4.59            | 3.70         | 16.0                             | 3.46            | 3.27         | —                                | 5.77            | 7.63         | —                                | 22.88           | 28.95        | 1.0                              | 2.30            | 2.61         | 1.0                              | 7.18            | 8.01         |
| 15         | 6.0                              | 3.26            | 2.82         | 8.0                              | 2.70            | 2.58         | 12.0                             | 7.33            | 10.13        | —                                | 19.42           | 21.32        | 2.0                              | 2.41            | 1.90         | —                                | 2.90            | 3.32         |
| 16         | 4.0                              | 2.67            | 2.42         | 6.0                              | 2.25            | 2.21         | 20.0                             | 6.56            | 7.27         | —                                | 17.84           | 19.32        | —                                | 1.50            | 1.26         | 0.5                              | 1.35            | 1.72         |
| 17         | —                                | 2.31            | 2.19         | 10.0                             | 2.03            | 2.21         | 6.0                              | 4.11            | 4.13         | —                                | 17.76           | 18.40        | 11.0                             | 2.40            | 2.05         | —                                | 0.81            | 1.20         |
| 18         | 2.0                              | 2.14            | 2.14         | 14.0                             | 1.93            | 2.07         | 8.0                              | 3.19            | 3.27         | 2.0                              | 14.21           | 15.29        | —                                | 1.17            | 1.36         | 14.5                             | 2.57            | 2.79         |
| 19         | 14.0                             | 2.10            | 2.39         | 26.0                             | 1.83            | 1.94         | 12.0                             | 2.74            | 2.87         | 8.0                              | 16.94           | 23.41        | —                                | 0.83            | 0.95         | —                                | 0.86            | 1.35         |
| 20         | 8.0                              | 2.31            | 2.31         | 22.0                             | 1.82            | 1.83         | 10.0                             | 3.64            | 6.74         | —                                | 20.59           | 23.97        | —                                | 0.68            | 0.73         | 0.5                              | 0.53            | 0.85         |
| 21         | 20.0                             | 2.32            | 2.13         | 8.0                              | 1.79            | 1.80         | 28.0                             | 11.24           | 14.58        | —                                | 15.36           | 14.72        | —                                | 0.50            | 0.58         | —                                | 0.42            | 0.68         |
| 22         | 10.0                             | 2.35            | 2.10         | 2.0                              | 1.75            | 1.73         | 4.0                              | 10.33           | 10.61        | —                                | 16.21           | 14.65        | —                                | 0.40            | 0.52         | 3.0                              | 0.49            | 0.68         |
| 23         | 12.0                             | 2.17            | 2.04         | 2.0                              | 1.76            | 3.34         | 2.0                              | 9.10            | 11.25        | —                                | 13.67           | 11.40        | 1.0                              | 0.38            | 0.50         | 9.5                              | 1.75            | 1.65         |
| 24         | 16.0                             | 2.14            | 1.96         | 2.0                              | 1.70            | 2.88         | —                                | 6.87            | 9.16         | —                                | 7.19            | 6.23         | 13.0                             | 1.37            | 1.09         | —                                | 0.58            | 0.85         |
| 25         | 8.0                              | 2.00            | 1.96         | 4.0                              | 1.70            | 2.34         | —                                | 8.64            | 13.32        | —                                | 10.15           | 7.24         | 4.0                              | 2.02            | 1.81         | 6.0                              | 0.48            | 0.64         |
| 26         | 6.0                              | 1.84            | 1.92         | 10.0                             | 1.66            | 1.99         | 14.0                             | 15.24           | 22.81        | 18.0                             | 14.46           | 9.80         | —                                | 0.62            | 0.64         | 8.0                              | 2.32            | 2.54         |
| 27         | 14.0                             | 1.84            | 1.89         | 8.0                              | 1.64            | 1.85         | 20.0                             | 12.07           | 12.53        | 1.0                              | 10.54           | 6.28         | 4.0                              | 0.76            | 0.66         | 1.5                              | 1.24            | 2.01         |
| 28         | 12.0                             | 1.79            | 1.83         | 4.0                              | 1.62            | 2.44         | 6.0                              | 20.09           | 26.05        | 22.0                             | 11.06           | 8.29         | 1.0                              | 0.57            | 0.49         | —                                | 0.62            | 1.09         |
| 29         | 8.0                              | 1.72            | 1.78         | —                                | —               | —            | 2.0                              | 15.72           | 20.72        | 21.0                             | 22.04           | 22.30        | —                                | 0.41            | 0.39         | —                                | 0.39            | 0.74         |
| 30         | 8.0                              | 1.68            | 1.75         | —                                | —               | —            | —                                | 8.80            | 11.66        | —                                | 8.74            | 7.55         | —                                | 0.32            | 0.33         | —                                | 0.26            | 0.53         |
| 31         | —                                | 1.64            | 1.93         | —                                | —               | —            | —                                | 11.46           | 16.52        | —                                | —               | —            | —                                | 0.24            | 0.31         | —                                | —               | —            |
| 計<br>Total | 304.0                            | 123.40          | 121.24       | 224.0                            | 98.20           | 139.94       | 216.0                            | 234.81          | 318.61       | 150.0                            | 584.30          | 617.95       | 112.0                            | 81.74           | 67.36        | 183.0                            | 103.13          | 118.67       |

| 項目<br>Item | 1 9 6 2 年                    |               |              |                              |               |              |                              |               |              |                              |               |              |                              |               |              |                              |               |              |
|------------|------------------------------|---------------|--------------|------------------------------|---------------|--------------|------------------------------|---------------|--------------|------------------------------|---------------|--------------|------------------------------|---------------|--------------|------------------------------|---------------|--------------|
|            | 7 月 July                     |               |              | 8 月 Aug.                     |               |              | 9 月 Sep.                     |               |              | 10 月 Oct.                    |               |              | 11 月 Nov.                    |               |              | 12 月 Dec.                    |               |              |
|            | 降水量<br>Precipitation         | 流出量<br>Runoff |              | 降水量<br>Precipitation         | 流出量<br>Runoff |              | 降水量<br>Precipitation         | 流出量<br>Runoff |              | 降水量<br>Precipitation         | 流出量<br>Runoff |              | 降水量<br>Precipitation         | 流出量<br>Runoff |              | 降水量<br>Precipitation         | 流出量<br>Runoff |              |
|            | 露場<br>Meteorological station | 1号沢<br>No. 1  | 2号沢<br>No. 2 | 露場<br>Meteorological station | 1号沢<br>No. 1  | 2号沢<br>No. 2 | 露場<br>Meteorological station | 1号沢<br>No. 1  | 2号沢<br>No. 2 | 露場<br>Meteorological station | 1号沢<br>No. 1  | 2号沢<br>No. 2 | 露場<br>Meteorological station | 1号沢<br>No. 1  | 2号沢<br>No. 2 | 露場<br>Meteorological station | 1号沢<br>No. 1  | 2号沢<br>No. 2 |
| 日<br>Day   |                              |               |              |                              |               |              |                              |               |              |                              |               |              |                              |               |              |                              |               |              |
| 1          | 2.0                          | 0.22          | 0.49         | —                            | 0.09          | 0.14         | —                            | 1.17          | 2.04         | —                            | 0.31          | 0.60         | —                            | 1.46          | 1.79         | 2.0                          | 6.02          | 5.64         |
| 2          | 9.5                          | 0.78          | 0.72         | —                            | 0.07          | 0.12         | 41.0                         | 18.94         | 20.94        | 3.5                          | 0.50          | 0.75         | —                            | 1.09          | 1.43         | 28.0                         | 14.81         | 17.09        |
| 3          | —                            | 0.40          | 0.51         | 14.0                         | 0.92          | 0.28         | 37.0                         | 23.81         | 25.94        | 7.0                          | 1.83          | 1.80         | 17.0                         | 5.25          | 6.13         | 2.0                          | 17.30         | 16.31        |
| 4          | 1.0                          | 0.26          | 0.39         | —                            | 0.43          | 0.33         | 39.0                         | 34.95         | 38.16        | 22.0                         | 7.23          | 9.53         | 24.0                         | 14.01         | 15.72        | —                            | 5.38          | 5.61         |
| 5          | 24.0                         | 4.87          | 3.83         | —                            | 0.10          | 0.17         | —                            | 7.07          | 8.44         | —                            | 2.43          | 4.15         | 40.5                         | 42.00         | 47.58        | 2.0                          | 4.03          | 5.28         |
| 6          | 1.0                          | 0.99          | 1.29         | 48.0                         | 10.86         | 9.30         | —                            | 2.27          | 2.92         | —                            | 1.24          | 1.80         | —                            | 5.83          | 6.28         | —                            | 2.92          | 3.90         |
| 7          | —                            | 0.55          | 0.90         | 33.0                         | 8.68          | 9.60         | 12.0                         | 4.58          | 5.74         | —                            | 0.55          | 1.13         | 7.5                          | 4.36          | 4.70         | —                            | 2.13          | 2.47         |
| 8          | —                            | 0.34          | 0.57         | 7.0                          | 2.66          | 4.15         | 6.0                          | 2.33          | 3.38         | —                            | 0.40          | 0.87         | 1.0                          | 2.96          | 3.29         | 2.0                          | 1.78          | 1.97         |
| 9          | —                            | 0.23          | 0.45         | 20.0                         | 9.95          | 12.81        | 1.0                          | 1.54          | 2.47         | 25.0                         | 8.25          | 9.93         | 13.5                         | 7.73          | 8.21         | 4.0                          | 2.36          | 3.55         |
| 10         | 43.0                         | 17.04         | 22.08        | 2.0                          | 2.53          | 4.40         | 13.0                         | 2.80          | 3.72         | —                            | 1.82          | 2.75         | —                            | 3.74          | 3.98         | 8.0                          | 4.60          | 7.17         |
| 11         | 40.0                         | 22.47         | 28.62        | —                            | 0.75          | 1.60         | 17.0                         | 11.40         | 13.14        | 3.0                          | 1.56          | 2.24         | 5.0                          | 2.93          | 3.08         | 10.0                         | 3.18          | 4.73         |
| 12         | 20.5                         | 21.22         | 21.93        | —                            | 0.39          | 0.94         | —                            | 3.46          | 4.96         | —                            | 1.05          | 1.65         | 11.5                         | 7.21          | 7.73         | 2.0                          | 2.42          | 2.97         |
| 13         | 15.0                         | 13.36         | 14.88        | —                            | 0.24          | 0.62         | 1.0                          | 1.61          | 2.54         | 7.5                          | 1.54          | 2.01         | —                            | 3.64          | 3.94         | 2.0                          | 2.29          | 2.64         |
| 14         | 30.0                         | 29.93         | 32.51        | —                            | 0.18          | 0.45         | —                            | 1.05          | 1.49         | 19.5                         | 7.83          | 10.03        | —                            | 2.21          | 2.51         | 2.0                          | 4.83          | 5.90         |
| 15         | —                            | 5.35          | 4.36         | —                            | 0.15          | 0.38         | 1.0                          | 0.70          | 1.05         | 14.0                         | 12.09         | 15.59        | —                            | 1.60          | 1.84         | —                            | 3.96          | 5.49         |
| 16         | —                            | 1.75          | 1.86         | 1.0                          | 0.25          | 0.37         | 1.5                          | 0.68          | 0.97         | 25.5                         | 17.48         | 20.87        | —                            | 1.22          | 1.32         | 20.0                         | 4.13          | 4.78         |
| 17         | —                            | 0.89          | 1.15         | —                            | 0.17          | 0.32         | 12.0                         | 0.77          | 0.96         | —                            | 7.40          | 8.50         | 1.0                          | 1.01          | 1.10         | 4.0                          | 10.24         | 8.09         |
| 18         | —                            | 0.56          | 0.75         | —                            | 0.13          | 0.28         | 16.5                         | 3.13          | 4.08         | 0.5                          | 2.51          | 3.07         | 3.5                          | 0.92          | 0.96         | —                            | 7.54          | 9.60         |
| 19         | —                            | 0.41          | 0.57         | —                            | 0.14          | 0.25         | —                            | 1.85          | 3.29         | —                            | 1.43          | 1.88         | 8.0                          | 2.71          | 2.50         | 20.0                         | 13.75         | 16.19        |
| 20         | —                            | 0.47          | 0.54         | —                            | 0.09          | 0.22         | 1.0                          | 0.76          | 1.43         | —                            | 1.12          | 1.47         | 26.0                         | 6.07          | 6.53         | 8.0                          | 20.51         | 22.15        |
| 21         | 1.0                          | 0.54          | 0.50         | —                            | 0.07          | 0.18         | 1.0                          | 1.15          | 1.84         | 1.0                          | 0.80          | 1.09         | 2.0                          | 8.73          | 6.72         | 16.0                         | 6.24          | 5.99         |
| 22         | —                            | 0.42          | 0.36         | 15.0                         | 0.81          | 0.44         | —                            | 0.63          | 1.10         | —                            | 0.65          | 0.87         | 2.0                          | 4.35          | 4.15         | 20.0                         | 3.83          | 4.38         |
| 23         | —                            | 0.22          | 0.32         | 19.0                         | 2.37          | 1.59         | 27.5                         | 9.19          | 10.84        | —                            | 0.52          | 0.74         | 16.0                         | 3.29          | 3.42         | 10.0                         | 15.88         | 15.33        |
| 24         | —                            | 0.19          | 0.28         | 12.0                         | 3.66          | 4.81         | 7.5                          | 3.56          | 7.98         | —                            | 0.43          | 0.60         | 14.0                         | 4.07          | 3.34         | 2.0                          | 6.95          | 6.94         |
| 25         | —                            | 0.15          | 0.24         | —                            | 0.31          | 0.82         | —                            | 2.42          | 4.20         | 12.5                         | 2.10          | 2.49         | 2.0                          | 5.39          | 3.51         | 22.0                         | 4.35          | 4.12         |
| 26         | —                            | 0.13          | 0.22         | 60.0                         | 30.89         | 30.84        | —                            | 1.07          | 2.00         | —                            | 1.11          | 1.68         | —                            | 5.24          | 3.66         | 14.0                         | 7.13          | 9.04         |
| 27         | —                            | 0.12          | 0.21         | 16.0                         | 8.26          | 14.55        | —                            | 0.62          | 1.29         | —                            | 0.68          | 0.97         | —                            | 3.56          | 3.37         | 2.0                          | 4.92          | 4.69         |
| 28         | —                            | 0.12          | 0.20         | 64.0                         | 26.13         | 37.94        | 8.0                          | 1.21          | 1.68         | 4.5                          | 0.66          | 0.96         | 8.0                          | 3.71          | 3.84         | —                            | 3.96          | 4.37         |
| 29         | —                            | 0.11          | 0.18         | 25.0                         | 33.76         | 42.85        | —                            | 0.85          | 1.35         | 30.0                         | 12.52         | 14.38        | 10.0                         | 15.59         | 18.56        | —                            | 3.29          | 4.16         |
| 30         | —                            | 0.12          | 0.20         | 11.0                         | 5.64          | 7.32         | —                            | 0.44          | 0.76         | —                            | 3.81          | 4.72         | 8.0                          | 7.64          | 9.14         | 10.0                         | 16.63         | 22.45        |
| 31         | —                            | 0.09          | 0.15         | —                            | 3.01          | 4.46         | —                            | —             | —            | —                            | 2.18          | 2.61         | —                            | —             | —            | 14.0                         | 7.10          | 6.81         |
| 計<br>Total | 187.0                        | 124.30        | 141.26       | 347.0                        | 153.69        | 192.53       | 243.0                        | 146.01        | 180.70       | 177.5                        | 104.03        | 131.73       | 220.5                        | 179.52        | 190.33       | 226.0                        | 214.46        | 239.81       |

Appendix-Table 1. (つづき) (Continued)

| 項目<br>Item | 1 9 6 3 年                     |                 |              |                               |                 |              |                               |                 |              |                               |                 |              |                               |                 |              |                               |                 |              |
|------------|-------------------------------|-----------------|--------------|-------------------------------|-----------------|--------------|-------------------------------|-----------------|--------------|-------------------------------|-----------------|--------------|-------------------------------|-----------------|--------------|-------------------------------|-----------------|--------------|
|            | 1 月 Jan.                      |                 |              | 2 月 Feb.                      |                 |              | 3 月 Mar.                      |                 |              | 4 月 Apr.                      |                 |              | 5 月 May                       |                 |              | 6 月 June                      |                 |              |
|            | 降水量<br>Precipitation          | 流 出 量<br>Runoff |              | 降水量<br>Precipitation          | 流 出 量<br>Runoff |              | 降水量<br>Precipitation          | 流 出 量<br>Runoff |              | 降水量<br>Precipitation          | 流 出 量<br>Runoff |              | 降水量<br>Precipitation          | 流 出 量<br>Runoff |              | 降水量<br>Precipitation          | 流 出 量<br>Runoff |              |
|            | 露 場<br>Meteorological station | 1号沢<br>No. 1    | 2号沢<br>No. 2 | 露 場<br>Meteorological station | 1号沢<br>No. 1    | 2号沢<br>No. 2 | 露 場<br>Meteorological station | 1号沢<br>No. 1    | 2号沢<br>No. 2 | 露 場<br>Meteorological station | 1号沢<br>No. 1    | 2号沢<br>No. 2 | 露 場<br>Meteorological station | 1号沢<br>No. 1    | 2号沢<br>No. 2 | 露 場<br>Meteorological station | 1号沢<br>No. 1    | 2号沢<br>No. 2 |
| 日<br>Day   |                               |                 |              |                               |                 |              |                               |                 |              |                               |                 |              |                               |                 |              |                               |                 |              |
| 1          | 12.0                          | 4.00            | 3.55         | —                             | 1.43            | 1.61         | 2.0                           | 1.54            | 1.73         | 10.0                          | 33.77           | 39.69        | 1.5                           | 9.80            | 9.20         | —                             | 8.05            | 8.45         |
| 2          | 18.0                          | 3.04            | 2.64         | —                             | 1.41            | 1.61         | —                             | 1.47            | 1.66         | —                             | 17.11           | 19.67        | —                             | 5.11            | 4.46         | —                             | 2.72            | 2.69         |
| 3          | 10.0                          | 2.48            | 2.26         | —                             | 1.41            | 1.64         | —                             | 1.42            | 1.61         | —                             | 17.74           | 22.38        | —                             | 3.74            | 2.88         | 39.5                          | 15.06           | 15.22        |
| 4          | 18.0                          | 2.23            | 2.05         | —                             | 1.36            | 2.05         | 4.0                           | 1.39            | 1.61         | 4.0                           | 26.65           | 31.16        | —                             | 3.55            | 2.28         | 7.0                           | 22.21           | 23.94        |
| 5          | 16.0                          | 2.05            | 1.90         | 8.0                           | 1.36            | 1.87         | 2.0                           | 1.36            | 1.61         | —                             | 26.79           | 26.88        | 7.5                           | 4.17            | 2.87         | —                             | 4.37            | 4.29         |
| 6          | 44.0                          | 1.94            | 1.82         | 6.0                           | 1.36            | 1.64         | 2.0                           | 1.36            | 1.61         | 14.0                          | 38.76           | 37.30        | 10.0                          | 5.85            | 4.88         | —                             | 2.04            | 2.19         |
| 7          | —                             | 1.91            | 1.81         | 6.0                           | 1.36            | 1.59         | 2.0                           | 1.36            | 1.90         | —                             | 17.41           | 17.91        | —                             | 3.16            | 2.63         | —                             | 1.24            | 1.39         |
| 8          | —                             | 1.91            | 1.81         | 8.0                           | 1.36            | 1.54         | 14.0                          | 1.36            | 2.04         | 14.0                          | 10.50           | 10.83        | —                             | 1.99            | 1.69         | —                             | 0.86            | 0.94         |
| 9          | —                             | 1.98            | 1.78         | 6.0                           | 1.31            | 1.50         | —                             | 1.39            | 2.67         | 6.0                           | 16.57           | 19.77        | —                             | 1.47            | 1.23         | 4.5                           | 0.88            | 0.77         |
| 10         | 8.0                           | 1.98            | 1.74         | 2.0                           | 1.30            | 1.47         | —                             | 1.47            | 2.49         | 2.0                           | 13.66           | 15.99        | —                             | 0.99            | 0.92         | 0.5                           | 1.28            | 0.94         |
| 11         | 8.0                           | 1.95            | 1.74         | —                             | 1.30            | 1.55         | —                             | 2.12            | 6.25         | —                             | 18.44           | 21.92        | —                             | 0.75            | 0.75         | —                             | 0.70            | 0.60         |
| 12         | 22.0                          | 1.85            | 1.70         | 2.0                           | 1.39            | 2.54         | —                             | 3.25            | 8.43         | —                             | 23.68           | 26.17        | —                             | 0.65            | 0.56         | —                             | 0.56            | 0.47         |
| 13         | 14.0                          | 1.77            | 1.67         | 10.0                          | 1.39            | 1.96         | —                             | 3.89            | 8.90         | —                             | 25.08           | 23.84        | —                             | 0.59            | 0.57         | 1.5                           | 0.42            | 0.44         |
| 14         | 18.0                          | 1.77            | 1.67         | 2.0                           | 1.31            | 1.70         | —                             | 4.26            | 9.87         | —                             | 25.41           | 24.38        | 10.5                          | 1.81            | 1.07         | 8.0                           | 1.45            | 1.06         |
| 15         | 24.0                          | 1.77            | 1.67         | 18.0                          | 1.28            | 1.61         | —                             | 3.98            | 8.09         | —                             | 32.93           | 31.95        | —                             | 1.13            | 0.83         | —                             | 0.84            | 0.85         |
| 16         | 10.0                          | 1.76            | 1.67         | —                             | 1.25            | 1.56         | —                             | 3.55            | 5.18         | —                             | 33.40           | 33.30        | —                             | 0.55            | 0.48         | —                             | 0.44            | 0.44         |
| 17         | 6.0                           | 1.70            | 1.67         | 6.0                           | 1.25            | 1.50         | —                             | 9.40            | 16.62        | 26.0                          | 50.73           | 50.12        | —                             | 0.45            | 0.41         | —                             | 0.33            | 0.35         |
| 18         | 20.0                          | 1.70            | 1.67         | 10.0                          | 1.25            | 1.52         | —                             | 8.73            | 13.20        | 14.0                          | 32.98           | 31.80        | —                             | 0.36            | 0.37         | 10.5                          | 1.43            | 0.97         |
| 19         | 12.0                          | 1.70            | 1.67         | 10.0                          | 1.25            | 1.52         | —                             | 12.18           | 17.40        | —                             | 21.25           | 23.04        | —                             | 0.28            | 0.32         | 17.0                          | 4.60            | 5.45         |
| 20         | 22.0                          | 1.64            | 1.67         | 16.0                          | 1.25            | 1.47         | —                             | 17.82           | 21.33        | —                             | 15.44           | 16.76        | 27.5                          | 5.83            | 4.75         | 5.5                           | 3.04            | 3.97         |
| 21         | 4.0                           | 1.64            | 1.67         | 18.0                          | 1.25            | 1.47         | —                             | 10.30           | 10.13        | —                             | 15.83           | 16.70        | 12.5                          | 5.14            | 4.89         | 11.5                          | 3.41            | 4.48         |
| 22         | 18.0                          | 1.64            | 1.67         | 8.0                           | 1.25            | 1.47         | —                             | 10.91           | 14.46        | —                             | 13.17           | 13.24        | —                             | 4.55            | 5.68         | 0.5                           | 4.65            | 6.61         |
| 23         | 18.0                          | 1.64            | 1.62         | 2.0                           | 1.22            | 1.86         | —                             | 11.37           | 15.34        | 12.5                          | 16.77           | 17.28        | —                             | 1.52            | 1.87         | 0.5                           | 1.51            | 2.46         |
| 24         | 24.0                          | 1.64            | 1.67         | 18.0                          | 1.29            | 1.83         | 56.0                          | 37.09           | 41.50        | 6.5                           | 17.54           | 15.62        | 35.0                          | 13.87           | 14.52        | 1.5                           | 0.82            | 1.47         |
| 25         | 14.0                          | 1.64            | 1.67         | 16.0                          | 1.30            | 1.79         | —                             | 28.70           | 34.70        | —                             | 11.49           | 11.08        | 1.0                           | 7.66            | 9.58         | 25.5                          | 11.68           | 13.45        |
| 26         | 14.0                          | 1.64            | 1.67         | 14.0                          | 1.48            | 2.58         | —                             | 24.62           | 33.79        | —                             | 9.26            | 9.34         | 49.0                          | 18.26           | 20.73        | 0.5                           | 4.45            | 6.21         |
| 27         | 4.0                           | 1.64            | 1.67         | 26.0                          | 1.57            | 2.20         | —                             | 20.45           | 25.83        | —                             | 8.38            | 6.92         | 9.0                           | 31.48           | 32.44        | —                             | 1.68            | 2.76         |
| 28         | 8.0                           | 1.59            | 1.67         | 6.0                           | 1.58            | 1.90         | —                             | 23.41           | 25.99        | 0.5                           | 7.04            | 5.35         | —                             | 3.97            | 4.00         | 11.0                          | 1.66            | 2.41         |
| 29         | 6.0                           | 1.58            | 1.67         | —                             | —               | —            | 6.0                           | 21.40           | 22.76        | 0.5                           | 8.55            | 6.30         | 7.0                           | 2.71            | 2.56         | 19.5                          | 13.40           | 16.20        |
| 30         | 12.0                          | 1.53            | 1.67         | —                             | —               | —            | —                             | 10.57           | 11.97        | 27.5                          | 12.41           | 10.27        | 15.5                          | 8.32            | 8.94         | 13.5                          | 13.57           | 14.05        |
| 31         | —                             | 1.50            | 1.64         | —                             | —               | —            | —                             | 17.06           | 20.96        | —                             | —               | —            | 23.0                          | 17.02           | 19.14        | —                             | —               | —            |
| 計<br>Total | 404.0                         | 58.81           | 56.45        | 218.0                         | 37.52           | 48.55        | 88.0                          | 299.18          | 391.63       | 137.5                         | 618.74          | 636.96       | 209.0                         | 166.73          | 167.50       | 178.0                         | 129.35          | 145.52       |

| 項目<br>Item | 1 9 6 3 年                        |                 |              |                                  |                 |              |                                  |                 |              |                                  |                 |              |                                  |                 |              |                                  |                 |              |
|------------|----------------------------------|-----------------|--------------|----------------------------------|-----------------|--------------|----------------------------------|-----------------|--------------|----------------------------------|-----------------|--------------|----------------------------------|-----------------|--------------|----------------------------------|-----------------|--------------|
|            | 7 月 July                         |                 |              | 8 月 Aug.                         |                 |              | 9 月 Sep.                         |                 |              | 10 月 Oct.                        |                 |              | 11 月 Nov.                        |                 |              | 12 月 Dec.                        |                 |              |
|            | 降水量<br>Precipitation             | 流 出 量<br>Runoff |              | 降水量<br>Precipitation             | 流 出 量<br>Runoff |              | 降水量<br>Precipitation             | 流 出 量<br>Runoff |              | 降水量<br>Precipitation             | 流 出 量<br>Runoff |              | 降水量<br>Precipitation             | 流 出 量<br>Runoff |              | 降水量<br>Precipitation             | 流 出 量<br>Runoff |              |
|            | 露 場<br>Meteorological<br>station | 1号沢<br>No. 1    | 2号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1号沢<br>No. 1    | 2号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1号沢<br>No. 1    | 2号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1号沢<br>No. 1    | 2号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1号沢<br>No. 1    | 2号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1号沢<br>No. 1    | 2号沢<br>No. 2 |
| 日<br>Day   |                                  |                 |              |                                  |                 |              |                                  |                 |              |                                  |                 |              |                                  |                 |              |                                  |                 |              |
| 1          | 9.5                              | 13.11           | 13.71        | —                                | 0.40            | 0.52         | —                                | 1.04            | 1.97         | 14.0                             | 9.71            | 12.02        | 0.5                              | 2.75            | 3.01         | 12.0                             | 7.49            | 6.57         |
| 2          | 1.0                              | 3.72            | 4.03         | —                                | 0.35            | 0.41         | 11.0                             | 2.89            | 3.58         | —                                | 3.27            | 4.67         | —                                | 1.75            | 1.87         | 2.0                              | 9.46            | 9.04         |
| 3          | 5.0                              | 3.57            | 4.22         | —                                | 0.31            | 0.32         | 10.0                             | 3.69            | 5.02         | —                                | 1.35            | 2.18         | —                                | 1.21            | 1.35         | 2.0                              | 9.45            | 8.90         |
| 4          | —                                | 1.58            | 2.27         | —                                | 0.25            | 0.29         | 0.5                              | 1.54            | 2.77         | —                                | 0.81            | 1.29         | —                                | 1.02            | 1.08         | 6.0                              | 16.38           | 19.29        |
| 5          | 1.5                              | 0.93            | 1.42         | —                                | 0.21            | 0.29         | 11.5                             | 0.85            | 1.68         | —                                | 0.66            | 1.02         | —                                | 0.82            | 0.87         | 6.0                              | 20.05           | 26.21        |
| 6          | 1.5                              | 0.92            | 1.31         | —                                | 0.18            | 0.27         | 0.5                              | 3.30            | 3.97         | —                                | 0.47            | 0.82         | —                                | 0.68            | 0.76         | —                                | 10.50           | 11.73        |
| 7          | —                                | 0.52            | 0.85         | —                                | 0.16            | 0.22         | —                                | 1.36            | 2.19         | 3.5                              | 0.80            | 0.99         | 1.5                              | 0.75            | 0.77         | —                                | 5.68            | 5.59         |
| 8          | 33.5                             | 13.11           | 16.05        | —                                | 0.15            | 0.20         | —                                | 0.66            | 1.22         | —                                | 0.42            | 0.62         | 28.5                             | 9.53            | 18.63        | 12.0                             | 10.01           | 10.99        |
| 9          | 8.5                              | 6.12            | 8.66         | —                                | 0.14            | 0.19         | —                                | 0.48            | 0.91         | 24.5                             | 3.27            | 3.52         | 30.0                             | 23.89           | 36.33        | —                                | 6.36            | 5.90         |
| 10         | 2.0                              | 3.06            | 4.76         | —                                | 0.14            | 0.20         | —                                | 0.32            | 0.72         | 2.0                              | 6.19            | 7.79         | —                                | 9.07            | 9.01         | 12.0                             | 7.70            | 7.87         |
| 11         | 15.5                             | 11.12           | 13.24        | 22.5                             | 2.27            | 1.26         | —                                | 0.26            | 0.57         | —                                | 1.52            | 2.50         | 14.0                             | 6.50            | 6.93         | —                                | 6.64            | 6.75         |
| 12         | —                                | 3.33            | 4.30         | 23.0                             | 7.22            | 6.52         | —                                | 0.20            | 0.46         | —                                | 0.82            | 1.47         | 2.0                              | 6.86            | 7.40         | 6.0                              | 5.32            | 5.61         |
| 13         | 16.5                             | 3.27            | 3.53         | —                                | 1.25            | 1.74         | —                                | 0.16            | 0.38         | —                                | 0.61            | 1.08         | 13.0                             | 6.00            | 6.78         | 2.0                              | 5.00            | 7.04         |
| 14         | 17.5                             | 15.33           | 18.32        | 1.5                              | 0.38            | 0.54         | —                                | 0.15            | 0.35         | 13.0                             | 2.13            | 2.65         | 14.0                             | 12.97           | 14.15        | 10.0                             | 8.50            | 11.72        |
| 15         | 1.0                              | 6.00            | 6.87         | 7.0                              | 0.85            | 0.78         | 38.0                             | 4.82            | 4.65         | 3.5                              | 3.73            | 4.76         | 3.0                              | 8.90            | 8.73         | 4.0                              | 4.49            | 4.98         |
| 16         | 68.0                             | 48.67           | 48.60        | 9.0                              | 0.90            | 0.67         | 18.5                             | 13.98           | 18.82        | 5.0                              | 2.58            | 3.39         | 5.5                              | 4.20            | 4.00         | —                                | 3.33            | 3.46         |
| 17         | 13.0                             | 29.32           | 30.36        | 4.0                              | 2.21            | 2.02         | 31.5                             | 12.12           | 14.96        | 1.5                              | 2.70            | 3.57         | 15.0                             | 12.83           | 13.68        | 26.0                             | 11.30           | 12.24        |
| 18         | 3.5                              | 9.22            | 9.38         | —                                | 0.80            | 1.11         | 42.5                             | 41.70           | 47.88        | —                                | 1.39            | 2.04         | —                                | 5.00            | 5.16         | 20.0                             | 9.71            | 9.63         |
| 19         | 2.5                              | 5.42            | 5.28         | —                                | 0.36            | 0.53         | 3.0                              | 15.46           | 16.64        | —                                | 0.90            | 1.39         | 3.5                              | 3.30            | 3.31         | 12.0                             | 4.71            | 4.42         |
| 20         | —                                | 3.27            | 2.98         | —                                | 0.24            | 0.38         | 0.5                              | 4.01            | 4.10         | —                                | 0.63            | 0.98         | 1.0                              | 2.97            | 3.09         | 6.0                              | 3.37            | 3.05         |
| 21         | 0.5                              | 2.19            | 2.01         | —                                | 0.20            | 0.34         | 19.5                             | 7.42            | 7.80         | —                                | 0.51            | 0.83         | —                                | 2.04            | 2.08         | 16.0                             | 2.62            | 2.66         |
| 22         | 27.5                             | 7.48            | 7.59         | 86.5                             | 35.03           | 43.06        | 28.5                             | 24.56           | 28.69        | —                                | 0.42            | 0.70         | 7.5                              | 1.86            | 1.85         | 6.0                              | 2.31            | 2.49         |
| 23         | 20.5                             | 20.99           | 21.63        | 13.5                             | 10.99           | 15.51        | 1.5                              | 13.06           | 14.78        | —                                | 0.37            | 0.60         | 1.5                              | 3.78            | 4.36         | —                                | 3.83            | 2.63         |
| 24         | 40.0                             | 37.73           | 36.14        | 21.5                             | 27.66           | 31.96        | —                                | 3.21            | 3.72         | —                                | 0.31            | 0.49         | 0.5                              | 2.27            | 2.36         | —                                | 4.62            | 3.56         |
| 25         | 1.5                              | 16.82           | 16.40        | —                                | 3.05            | 3.82         | 6.5                              | 3.11            | 3.59         | —                                | 0.30            | 0.44         | 46.5                             | 25.72           | 28.30        | 8.0                              | 9.70            | 8.61         |
| 26         | —                                | 3.76            | 3.92         | —                                | 1.19            | 1.72         | —                                | 1.84            | 2.45         | 21.0                             | 4.39            | 4.77         | 16.0                             | 37.64           | 40.85        | 18.0                             | 7.38            | 7.06         |
| 27         | —                                | 1.59            | 2.01         | 0.5                              | 0.70            | 1.17         | 0.5                              | 1.28            | 1.80         | —                                | 1.83            | 2.04         | 56.0                             | 14.26           | 13.32        | 12.0                             | 4.49            | 4.45         |
| 28         | —                                | 0.98            | 1.43         | —                                | 0.48            | 0.80         | —                                | 0.93            | 1.30         | 0.5                              | 1.18            | 1.32         | 16.0                             | 33.15           | 28.01        | 4.0                              | 3.26            | 3.40         |
| 29         | 4.0                              | 1.23            | 1.43         | —                                | 0.34            | 0.63         | —                                | 0.65            | 1.02         | 38.5                             | 21.05           | 23.36        | 4.0                              | 8.55            | 7.48         | 12.0                             | 7.76            | 10.26        |
| 30         | —                                | 0.68            | 0.87         | 34.0                             | 2.73            | 2.97         | 17.0                             | 2.41            | 2.73         | 20.0                             | 22.43           | 24.31        | 20.0                             | 5.05            | 4.89         | —                                | 7.18            | 7.60         |
| 31         | —                                | 0.52            | 0.63         | 3.5                              | 6.83            | 9.43         | —                                | —               | —            | 1.0                              | 5.52            | 5.80         | —                                | —               | —            | 6.0                              | 5.61            | 8.03         |
| 計<br>Total | 294.0                            | 275.56          | 294.20       | 226.5                            | 107.97          | 129.87       | 241.0                            | 167.46          | 200.72       | 148.0                            | 102.27          | 123.41       | 299.5                            | 255.32          | 280.41       | 220.0                            | 224.21          | 241.74       |

Appendix-Table 1. (つづき) (Continued)

| 項目<br>Item | 1 9 6 4 年                    |               |              |                              |               |              |                              |               |              |                              |               |              |                              |               |              |                              |               |              |
|------------|------------------------------|---------------|--------------|------------------------------|---------------|--------------|------------------------------|---------------|--------------|------------------------------|---------------|--------------|------------------------------|---------------|--------------|------------------------------|---------------|--------------|
|            | 1 月 Jan.                     |               |              | 2 月 Feb.                     |               |              | 3 月 Mar.                     |               |              | 4 月 Apr.                     |               |              | 5 月 May                      |               |              | 6 月 June                     |               |              |
|            | 降水量<br>Precipitation         | 流出量<br>Runoff |              | 降水量<br>Precipitation         | 流出量<br>Runoff |              | 降水量<br>Precipitation         | 流出量<br>Runoff |              | 降水量<br>Precipitation         | 流出量<br>Runoff |              | 降水量<br>Precipitation         | 流出量<br>Runoff |              | 降水量<br>Precipitation         | 流出量<br>Runoff |              |
|            | 露場<br>Meteorological station | 1号沢<br>No. 1  | 2号沢<br>No. 2 | 露場<br>Meteorological station | 1号沢<br>No. 1  | 2号沢<br>No. 2 | 露場<br>Meteorological station | 1号沢<br>No. 1  | 2号沢<br>No. 2 | 露場<br>Meteorological station | 1号沢<br>No. 1  | 2号沢<br>No. 2 | 露場<br>Meteorological station | 1号沢<br>No. 1  | 2号沢<br>No. 2 | 露場<br>Meteorological station | 1号沢<br>No. 1  | 2号沢<br>No. 2 |
| 日<br>Day   |                              |               |              |                              |               |              |                              |               |              |                              |               |              |                              |               |              |                              |               |              |
| 1          | 2.0                          | 6.24          | 7.57         | 18.0                         | 1.36          | 1.61         | 12.0                         | 1.47          | 2.78         | 22.0                         | 57.89         | 60.11        | 8.5                          | 1.69          | 1.56         | —                            | 0.51          | 0.80         |
| 2          | —                            | 3.83          | 4.05         | 12.0                         | 1.36          | 1.61         | —                            | 1.72          | 4.49         | —                            | 21.88         | 23.62        | 3.5                          | 2.28          | 2.25         | 2.0                          | 0.45          | 0.58         |
| 3          | 4.0                          | 2.94          | 3.01         | 26.0                         | 1.36          | 1.54         | —                            | 3.11          | 8.39         | 6.0                          | 17.02         | 18.31        | —                            | 1.72          | 2.09         | 3.0                          | 0.52          | 0.68         |
| 4          | 2.0                          | 2.52          | 2.51         | 10.0                         | 1.34          | 1.54         | 2.0                          | 3.90          | 8.72         | 4.0                          | 26.09         | 29.68        | —                            | 1.04          | 1.27         | 0.5                          | 0.46          | 0.52         |
| 5          | —                            | 2.24          | 2.43         | —                            | 1.31          | 1.52         | —                            | 5.85          | 9.66         | —                            | 23.38         | 22.80        | —                            | 0.77          | 0.98         | —                            | 0.30          | 0.39         |
| 6          | 10.0                         | 1.91          | 2.14         | —                            | 1.36          | 1.46         | 2.0                          | 6.15          | 9.15         | 16.0                         | 38.00         | 38.98        | —                            | 0.65          | 0.78         | —                            | 0.18          | 0.31         |
| 7          | 2.0                          | 1.71          | 1.94         | 2.0                          | 1.36          | 1.47         | —                            | 10.32         | 14.61        | —                            | 15.74         | 14.61        | —                            | 0.53          | 0.59         | 1.0                          | 0.17          | 0.33         |
| 8          | —                            | 1.58          | 1.78         | —                            | 1.36          | 1.76         | —                            | 8.70          | 10.59        | 12.0                         | 19.84         | 14.21        | —                            | 0.43          | 0.54         | 2.0                          | 0.28          | 0.34         |
| 9          | 2.0                          | 1.47          | 1.65         | 2.0                          | 1.36          | 1.63         | —                            | 6.64          | 8.67         | 4.0                          | 24.57         | 18.57        | —                            | 0.37          | 0.53         | 5.5                          | 0.56          | 0.44         |
| 10         | 6.0                          | 1.45          | 1.83         | 20.0                         | 1.39          | 1.54         | —                            | 5.43          | 6.80         | 30.0                         | 41.44         | 45.51        | 3.5                          | 0.47          | 0.48         | 1.5                          | 0.68          | 0.53         |
| 11         | —                            | 1.59          | 2.74         | 16.0                         | 1.58          | 1.51         | 2.0                          | 4.87          | 6.15         | —                            | 20.72         | 21.35        | —                            | 0.56          | 0.58         | —                            | 0.33          | 0.35         |
| 12         | 36.0                         | 11.32         | 12.26        | 4.0                          | 1.68          | 1.80         | 2.0                          | 5.36          | 7.25         | —                            | 13.04         | 13.30        | 0.5                          | 0.34          | 0.41         | —                            | 0.19          | 0.29         |
| 13         | 54.0                         | 81.18         | 75.19        | 8.0                          | 1.64          | 1.99         | 4.0                          | 4.16          | 4.86         | —                            | 10.44         | 10.14        | —                            | 0.29          | 0.37         | —                            | 0.14          | 0.25         |
| 14         | 2.0                          | 13.47         | 12.71        | 14.0                         | 1.61          | 1.73         | 12.0                         | 3.74          | 3.76         | —                            | 12.00         | 11.85        | —                            | 0.22          | 0.32         | 1.0                          | 0.16          | 0.25         |
| 15         | 2.0                          | 4.75          | 4.45         | 6.0                          | 1.49          | 1.55         | 12.0                         | 4.83          | 4.15         | 49.5                         | 42.00         | 40.05        | —                            | 0.22          | 0.29         | 18.5                         | 3.77          | 3.21         |
| 16         | —                            | 3.19          | 2.91         | 8.0                          | 1.43          | 1.54         | 18.0                         | 7.20          | 5.34         | 5.0                          | 18.43         | 14.73        | —                            | 0.21          | 0.29         | —                            | 1.12          | 1.37         |
| 17         | 4.0                          | 2.49          | 2.49         | 2.0                          | 1.41          | 1.79         | 4.0                          | 6.90          | 7.84         | 36.5                         | 32.31         | 31.47        | —                            | 0.18          | 0.31         | —                            | 0.43          | 0.55         |
| 18         | —                            | 2.36          | 2.61         | 4.0                          | 1.41          | 1.94         | —                            | 5.32          | 7.03         | 0.5                          | 16.22         | 14.41        | —                            | 0.13          | 0.29         | —                            | 0.29          | 0.43         |
| 19         | 24.0                         | 2.36          | 2.41         | 4.0                          | 1.39          | 1.78         | 4.0                          | 5.00          | 7.21         | —                            | 5.40          | 4.18         | —                            | 0.13          | 0.29         | —                            | 0.23          | 0.40         |
| 20         | 20.0                         | 2.16          | 2.25         | —                            | 1.34          | 1.64         | 28.0                         | 14.24         | 14.77        | 4.0                          | 3.77          | 2.79         | —                            | 0.13          | 0.22         | 33.5                         | 8.74          | 10.16        |
| 21         | 4.0                          | 1.96          | 2.08         | —                            | 1.34          | 2.56         | 10.0                         | 10.04         | 11.49        | 13.0                         | 6.68          | 5.91         | —                            | 0.13          | 0.21         | 9.0                          | 9.52          | 13.32        |
| 22         | 6.0                          | 1.76          | 1.90         | 6.0                          | 1.40          | 2.79         | 6.0                          | 4.57          | 4.90         | 34.0                         | 29.47         | 31.15        | 11.0                         | 0.38          | 0.25         | 3.0                          | 1.84          | 3.36         |
| 23         | —                            | 1.68          | 1.81         | 10.0                         | 1.37          | 2.27         | 6.0                          | 3.85          | 6.23         | —                            | 8.77          | 8.22         | 23.5                         | 5.11          | 3.41         | —                            | 1.31          | 2.33         |
| 24         | 2.0                          | 1.58          | 1.81         | 2.0                          | 1.27          | 2.58         | —                            | 5.76          | 9.68         | —                            | 3.32          | 3.08         | —                            | 3.10          | 3.37         | —                            | 0.56          | 1.19         |
| 25         | 6.0                          | 1.52          | 1.71         | 4.0                          | 1.25          | 2.02         | 4.0                          | 5.31          | 6.66         | 11.0                         | 3.22          | 2.71         | 18.5                         | 4.85          | 6.02         | 5.0                          | 0.77          | 1.00         |
| 26         | 10.0                         | 1.46          | 1.55         | —                            | 1.25          | 2.72         | —                            | 6.14          | 9.25         | 0.5                          | 4.17          | 4.31         | 0.5                          | 2.79          | 3.73         | —                            | 0.46          | 0.76         |
| 27         | 2.0                          | 1.41          | 1.51         | —                            | 1.41          | 4.27         | 2.0                          | 8.08          | 12.70        | —                            | 2.05          | 2.10         | —                            | 0.77          | 1.27         | 40.0                         | 12.68         | 14.25        |
| 28         | 8.0                          | 1.36          | 1.52         | 8.0                          | 1.57          | 3.89         | 2.0                          | 12.40         | 17.63        | —                            | 1.50          | 1.58         | 2.0                          | 0.48          | 0.84         | —                            | 9.30          | 12.72        |
| 29         | 2.0                          | 1.36          | 1.47         | —                            | 1.53          | 3.51         | —                            | 14.89         | 18.26        | —                            | 1.10          | 1.20         | 11.0                         | 1.83          | 2.05         | —                            | 1.46          | 2.28         |
| 30         | —                            | 1.39          | 1.79         | —                            | —             | —            | —                            | 27.74         | 25.65        | —                            | 0.79          | 0.95         | —                            | 3.08          | 3.03         | —                            | 0.72          | 1.17         |
| 31         | 8.0                          | 1.37          | 1.64         | —                            | —             | —            | —                            | 26.91         | 25.50        | —                            | —             | —            | —                            | 0.87          | 1.18         | —                            | —             | —            |
| 計<br>Total | 218.0                        | 167.61        | 167.71       | 186.0                        | 40.93         | 59.56        | 132.0                        | 240.60        | 300.17       | 248.0                        | 521.26        | 511.88       | 82.5                         | 35.75         | 39.80        | 125.5                        | 58.13         | 74.56        |

| 項目<br>Item | 1 9 6 4 年                       |              |               |                                 |              |               |                                 |              |               |                                 |              |               |                                 |              |               |                                 |              |               |
|------------|---------------------------------|--------------|---------------|---------------------------------|--------------|---------------|---------------------------------|--------------|---------------|---------------------------------|--------------|---------------|---------------------------------|--------------|---------------|---------------------------------|--------------|---------------|
|            | 7 月 July                        |              |               | 8 月 Aug.                        |              |               | 9 月 Sep.                        |              |               | 10 月 Oct.                       |              |               | 11 月 Nov.                       |              |               | 12 月 Dec.                       |              |               |
|            | 降水量<br>Precipitation            |              | 流出量<br>Runoff | 降水量<br>Precipitation            |              | 流出量<br>Runoff | 降水量<br>Precipitation            |              | 流出量<br>Runoff | 降水量<br>Precipitation            |              | 流出量<br>Runoff | 降水量<br>Precipitation            |              | 流出量<br>Runoff | 降水量<br>Precipitation            |              | 流出量<br>Runoff |
|            | 露場<br>Meteorological<br>station | 1号沢<br>No. 1 | 2号沢<br>No. 2  | 露場<br>Meteorological<br>station | 1号沢<br>No. 1 | 2号沢<br>No. 2  | 露場<br>Meteorological<br>station | 1号沢<br>No. 1 | 2号沢<br>No. 2  | 露場<br>Meteorological<br>station | 1号沢<br>No. 1 | 2号沢<br>No. 2  | 露場<br>Meteorological<br>station | 1号沢<br>No. 1 | 2号沢<br>No. 2  | 露場<br>Meteorological<br>station | 1号沢<br>No. 1 | 2号沢<br>No. 2  |
| 日<br>Day   |                                 |              |               |                                 |              |               |                                 |              |               |                                 |              |               |                                 |              |               |                                 |              |               |
| 1          | 17.5                            | 2.15         | 1.94          | —                               | 0.23         | 0.44          | 64.0                            | 20.39        | 25.33         | 1.5                             | 1.62         | 1.94          | 7.5                             | 1.28         | 1.67          | 30.0                            | 5.15         | 5.37          |
| 2          | 79.0                            | 56.30        | 59.77         | —                               | 0.20         | 0.38          | 53.5                            | 54.25        | 74.68         | 4.5                             | 1.37         | 1.81          | 2.0                             | 0.97         | 1.81          | 28.0                            | 3.89         | 3.81          |
| 3          | 0.5                             | 14.35        | 15.83         | —                               | 0.18         | 0.35          | 3.0                             | 3.30         | 5.20          | —                               | 0.82         | 1.42          | —                               | 0.72         | 1.20          | 16.0                            | 4.00         | 3.29          |
| 4          | —                               | 2.99         | 3.21          | —                               | 0.16         | 0.35          | 40.5                            | 16.31        | 19.22         | 2.0                             | 0.57         | 1.16          | 12.0                            | 2.51         | 2.98          | 4.0                             | 4.93         | 3.19          |
| 5          | 5.5                             | 2.54         | 2.57          | 1.0                             | 0.18         | 0.32          | 16.0                            | 25.66        | 32.26         | 55.0                            | 35.85        | 40.48         | 13.5                            | 8.11         | 9.51          | —                               | 4.49         | 3.39          |
| 6          | 12.5                            | 5.19         | 5.90          | 6.0                             | 0.65         | 0.40          | 3.0                             | 3.24         | 4.30          | —                               | 6.03         | 6.15          | 2.5                             | 4.23         | 5.05          | 38.0                            | 32.20        | 32.13         |
| 7          | 49.5                            | 30.90        | 34.48         | 9.5                             | 0.96         | 0.57          | —                               | 1.42         | 2.02          | 4.0                             | 2.66         | 2.93          | 2.0                             | 2.71         | 3.50          | 2.0                             | 14.60        | 13.00         |
| 8          | —                               | 13.37        | 14.20         | 41.0                            | 5.91         | 5.74          | 7.0                             | 0.82         | 1.36          | 15.5                            | 8.28         | 9.18          | —                               | 1.67         | 2.20          | 8.0                             | 7.59         | 5.56          |
| 9          | 11.0                            | 4.88         | 5.23          | 1.5                             | 2.97         | 4.68          | 36.0                            | 22.23        | 26.49         | 6.0                             | 4.35         | 4.93          | 5.0                             | 1.44         | 1.92          | 12.0                            | 5.09         | 4.26          |
| 10         | 10.5                            | 10.62        | 11.99         | —                               | 0.45         | 1.05          | —                               | 3.70         | 4.83          | 1.5                             | 3.28         | 4.21          | 7.5                             | 5.38         | 6.00          | 10.0                            | 3.71         | 3.48          |
| 11         | 17.0                            | 13.84        | 9.51          | —                               | 0.26         | 0.69          | —                               | 1.38         | 2.00          | —                               | 4.76         | 2.35          | 1.5                             | 3.07         | 3.22          | 18.0                            | 3.11         | 3.06          |
| 12         | 62.5                            | 61.49        | 57.83         | —                               | 0.21         | 0.60          | —                               | 0.75         | 1.23          | —                               | 1.14         | 1.64          | —                               | 1.89         | 2.30          | 8.0                             | 2.77         | 2.75          |
| 13         | 16.0                            | 12.19        | 7.28          | —                               | 0.17         | 0.44          | 19.5                            | 5.86         | 6.80          | —                               | 0.88         | 1.27          | 4.5                             | 1.84         | 2.20          | 20.0                            | 2.71         | 2.61          |
| 14         | 17.5                            | 20.98        | 18.32         | —                               | 0.15         | 0.38          | —                               | 1.35         | 1.93          | —                               | 0.80         | 1.09          | 24.0                            | 9.36         | 11.22         | 10.0                            | 2.79         | 2.84          |
| 15         | —                               | 4.84         | 6.03          | —                               | 0.15         | 0.36          | —                               | 0.72         | 1.20          | —                               | 0.59         | 0.81          | 5.5                             | 13.36        | 15.40         | 6.0                             | 2.86         | 2.73          |
| 16         | —                               | 1.96         | 2.41          | —                               | 0.13         | 0.32          | 3.0                             | 0.79         | 1.23          | —                               | 0.45         | 0.69          | 0.5                             | 3.89         | 4.34          | 4.0                             | 2.69         | 2.54          |
| 17         | 32.5                            | 10.79        | 13.06         | —                               | 0.13         | 0.31          | —                               | 0.51         | 0.87          | 16.0                            | 4.27         | 4.53          | —                               | 2.22         | 2.41          | 10.0                            | 2.51         | 2.42          |
| 18         | 50.5                            | 38.46        | 43.89         | —                               | 0.12         | 0.27          | 44.5                            | 20.95        | 20.43         | —                               | 1.26         | 1.63          | 24.0                            | 10.01        | 11.52         | 12.0                            | 2.32         | 2.30          |
| 19         | 11.0                            | 28.42        | 29.19         | —                               | 0.10         | 0.26          | 7.0                             | 15.06        | 11.25         | —                               | 0.84         | 1.07          | —                               | 6.57         | 7.16          | 4.0                             | 2.15         | 2.26          |
| 20         | —                               | 3.83         | 4.39          | 11.5                            | 0.38         | 0.32          | 4.5                             | 5.60         | 4.64          | 11.0                            | 1.78         | 1.78          | 6.0                             | 3.63         | 3.73          | 16.0                            | 2.17         | 2.24          |
| 21         | —                               | 1.65         | 2.02          | 0.5                             | 0.50         | 0.39          | 7.0                             | 6.84         | 7.38          | 6.0                             | 4.52         | 5.31          | 38.0                            | 30.69        | 33.75         | 4.0                             | 4.11         | 3.08          |
| 22         | —                               | 1.09         | 1.44          | 5.0                             | 0.25         | 0.29          | 3.5                             | 4.09         | 5.11          | 11.0                            | 5.14         | 5.86          | 14.0                            | 11.13        | 12.64         | —                               | 5.33         | 5.22          |
| 23         | 6.0                             | 1.13         | 1.32          | 10.0                            | 0.48         | 0.32          | —                               | 2.07         | 2.53          | 4.5                             | 5.59         | 6.56          | 48.5                            | 44.46        | 47.66         | —                               | 6.56         | 6.21          |
| 24         | 9.0                             | 3.48         | 3.29          | —                               | 0.63         | 0.51          | 24.5                            | 8.21         | 8.72          | 3.5                             | 3.26         | 3.92          | 19.0                            | 13.78        | 14.82         | —                               | 7.21         | 6.55          |
| 25         | 1.0                             | 2.01         | 2.37          | 33.5                            | 8.90         | 9.68          | 23.0                            | 24.77        | 26.70         | —                               | 1.94         | 2.43          | 22.0                            | 20.49        | 24.55         | 2.0                             | 7.30         | 9.18          |
| 26         | —                               | 0.59         | 1.00          | —                               | 0.51         | 1.09          | —                               | 3.76         | 4.10          | —                               | 1.33         | 1.67          | 2.0                             | 15.16        | 17.97         | —                               | 4.92         | 4.96          |
| 27         | —                               | 0.46         | 0.70          | 3.0                             | 0.50         | 0.90          | 5.0                             | 1.55         | 2.12          | —                               | 0.95         | 1.26          | 2.0                             | 5.64         | 5.29          | —                               | 3.51         | 3.53          |
| 28         | —                               | 0.34         | 0.58          | —                               | 0.28         | 0.64          | 23.0                            | 9.52         | 11.91         | 0.5                             | 0.71         | 1.00          | 8.0                             | 6.34         | 6.70          | —                               | 3.11         | 3.04          |
| 29         | —                               | 0.29         | 0.50          | 13.5                            | 2.63         | 3.23          | 1.5                             | 6.99         | 0.82          | 1.0                             | 0.58         | 0.87          | 4.0                             | 5.17         | 4.80          | —                               | 3.21         | 3.15          |
| 30         | —                               | 0.26         | 0.46          | —                               | 0.90         | 1.65          | —                               | 2.81         | 3.39          | —                               | 0.52         | 0.80          | 12.0                            | 7.66         | 8.33          | 12.0                            | 15.35        | 15.93         |
| 31         | —                               | 0.24         | 0.46          | 4.5                             | 0.95         | 1.31          | —                               | —            | —             | —                               | 0.45         | 0.68          | —                               | —            | —             | 2.0                             | 14.84        | 14.69         |
| 計<br>Total | 409.0                           | 351.63       | 361.17        | 140.5                           | 30.22        | 38.22         | 389.0                           | 274.90       | 320.05        | 143.5                           | 106.59       | 121.43        | 287.5                           | 245.38       | 275.85        | 276.0                           | 187.18       | 178.77        |

Appendix-Table 1. (つづき) (Continued)

| 項目<br>Item | 1 9 6 5 年                     |                 |              |                               |                 |              |                               |                 |              |                               |                 |              |                               |                 |              |                               |                 |              |
|------------|-------------------------------|-----------------|--------------|-------------------------------|-----------------|--------------|-------------------------------|-----------------|--------------|-------------------------------|-----------------|--------------|-------------------------------|-----------------|--------------|-------------------------------|-----------------|--------------|
|            | 1 月 Jan.                      |                 |              | 2 月 Feb.                      |                 |              | 3 月 Mar.                      |                 |              | 4 月 Apr.                      |                 |              | 5 月 May                       |                 |              | 6 月 June                      |                 |              |
|            | 降水量<br>Precipitation          | 流 出 量<br>Runoff |              | 降水量<br>Precipitation          | 流 出 量<br>Runoff |              | 降水量<br>Precipitation          | 流 出 量<br>Runoff |              | 降水量<br>Precipitation          | 流 出 量<br>Runoff |              | 降水量<br>Precipitation          | 流 出 量<br>Runoff |              | 降水量<br>Precipitation          | 流 出 量<br>Runoff |              |
|            | 露 場<br>Meteorological station | 1号沢<br>No. 1    | 2号沢<br>No. 2 | 露 場<br>Meteorological station | 1号沢<br>No. 1    | 2号沢<br>No. 2 | 露 場<br>Meteorological station | 1号沢<br>No. 1    | 2号沢<br>No. 2 | 露 場<br>Meteorological station | 1号沢<br>No. 1    | 2号沢<br>No. 2 | 露 場<br>Meteorological station | 1号沢<br>No. 1    | 2号沢<br>No. 2 | 露 場<br>Meteorological station | 1号沢<br>No. 1    | 2号沢<br>No. 2 |
| 日<br>Day   |                               |                 |              |                               |                 |              |                               |                 |              |                               |                 |              |                               |                 |              |                               |                 |              |
| 1          | 18.0                          | 12.47           | 12.14        | 6.0                           | 2.77            | 3.97         | 8.0                           | 1.45            | 1.72         | 8.0                           | 12.66           | 17.05        | —                             | 13.85           | 16.33        | —                             | 1.44            | 1.58         |
| 2          | 18.0                          | 8.19            | 7.88         | 16.0                          | 2.25            | 2.44         | 2.0                           | 1.36            | 1.65         | 10.0                          | 6.72            | 6.88         | —                             | 20.51           | 20.73        | 3.5                           | 1.20            | 1.24         |
| 3          | 12.0                          | 4.67            | 4.56         | 16.0                          | 2.06            | 2.05         | 16.0                          | 1.35            | 1.61         | 20.0                          | 4.42            | 4.25         | 12.0                          | 25.75           | 23.46        | 6.0                           | 1.56            | 1.62         |
| 4          | 8.0                           | 3.49            | 3.34         | 10.0                          | 1.98            | 1.90         | 4.0                           | 1.33            | 1.59         | 8.0                           | 3.93            | 3.17         | —                             | 20.65           | 19.78        | 23.5                          | 11.42           | 13.72        |
| 5          | 6.0                           | 2.64            | 2.76         | 14.0                          | 1.68            | 1.78         | 6.0                           | 1.33            | 1.57         | 4.0                           | 4.07            | 3.18         | —                             | 19.57           | 18.15        | —                             | 3.68            | 4.46         |
| 6          | 10.0                          | 2.24            | 2.53         | 6.0                           | 1.59            | 1.66         | 10.0                          | 1.30            | 1.53         | —                             | 9.67            | 17.95        | 4.0                           | 15.91           | 13.09        | —                             | 1.59            | 1.86         |
| 7          | —                             | 2.08            | 2.53         | 2.0                           | 1.50            | 1.64         | 10.0                          | 1.30            | 1.49         | —                             | 24.40           | 38.01        | 4.0                           | 23.94           | 21.22        | —                             | 1.15            | 1.32         |
| 8          | 8.0                           | 7.18            | 6.88         | —                             | 1.46            | 1.91         | 6.0                           | 1.30            | 1.53         | —                             | 20.74           | 26.29        | —                             | 23.07           | 19.19        | —                             | 0.77            | 0.85         |
| 9          | 18.0                          | 18.05           | 18.94        | 2.0                           | 1.41            | 1.99         | 16.0                          | 1.37            | 2.13         | —                             | 18.09           | 20.87        | —                             | 21.55           | 17.72        | —                             | 0.59            | 0.63         |
| 10         | 2.0                           | 5.26            | 5.46         | —                             | 1.77            | 4.07         | 16.0                          | 1.42            | 2.15         | —                             | 14.96           | 19.35        | —                             | 14.89           | 12.38        | —                             | 0.46            | 0.48         |
| 11         | 14.0                          | 3.79            | 3.63         | 12.0                          | 1.78            | 2.75         | 4.0                           | 1.39            | 1.83         | 10.0                          | 7.20            | 7.16         | —                             | 12.20           | 11.56        | —                             | 0.43            | 0.41         |
| 12         | 44.0                          | 3.02            | 2.88         | —                             | 1.62            | 2.10         | 8.0                           | 1.34            | 1.68         | —                             | 7.90            | 13.26        | —                             | 8.00            | 7.29         | —                             | 0.26            | 0.35         |
| 13         | 8.0                           | 2.69            | 2.52         | —                             | 1.59            | 2.10         | 8.0                           | 1.38            | 1.64         | —                             | 22.43           | 32.95        | —                             | 10.96           | 9.09         | —                             | 0.22            | 0.30         |
| 14         | 12.0                          | 2.34            | 2.39         | 14.0                          | 1.97            | 2.91         | 4.0                           | 1.83            | 2.99         | 6.0                           | 17.37           | 18.91        | 0.5                           | 12.08           | 6.50         | 8.0                           | 0.63            | 0.46         |
| 15         | 18.0                          | 2.17            | 2.25         | 12.0                          | 2.02            | 2.60         | —                             | 4.10            | 8.61         | —                             | 24.03           | 35.30        | —                             | 9.19            | 7.39         | —                             | 0.26            | 0.28         |
| 16         | 16.0                          | 2.14            | 2.18         | 2.0                           | 1.82            | 2.11         | —                             | 5.11            | 9.06         | —                             | 37.13           | 47.61        | 4.5                           | 6.87            | 5.09         | —                             | 0.20            | 0.24         |
| 17         | 8.0                           | 2.07            | 2.31         | 4.0                           | 1.68            | 1.86         | —                             | 10.60           | 17.62        | —                             | 40.42           | 45.77        | 6.0                           | 5.91            | 4.37         | 22.5                          | 3.13            | 1.76         |
| 18         | 2.0                           | 2.06            | 2.27         | 2.0                           | 1.61            | 1.71         | —                             | 10.05           | 14.61        | —                             | 22.58           | 27.58        | 0.5                           | 4.84            | 3.67         | —                             | 0.70            | 0.66         |
| 19         | 18.0                          | 1.98            | 2.10         | 2.0                           | 1.55            | 1.63         | 38.0                          | 17.95           | 21.80        | 10.0                          | 31.34           | 41.18        | —                             | 3.37            | 2.32         | 1.0                           | 0.37            | 0.39         |
| 20         | 6.0                           | 1.78            | 2.02         | 12.0                          | 1.73            | 3.56         | 14.0                          | 9.77            | 9.02         | 4.0                           | 27.55           | 31.48        | 6.5                           | 3.53            | 2.11         | 9.0                           | 1.20            | 0.95         |
| 21         | 6.0                           | 1.70            | 2.00         | —                             | 8.78            | 18.08        | 10.0                          | 5.51            | 5.22         | —                             | 15.64           | 20.28        | 3.0                           | 2.42            | 1.38         | 7.0                           | 3.77            | 3.66         |
| 22         | 10.0                          | 1.70            | 1.98         | 2.0                           | 4.20            | 4.86         | 6.0                           | 4.20            | 5.19         | —                             | 13.73           | 17.65        | —                             | 1.75            | 1.15         | —                             | 0.70            | 0.79         |
| 23         | 8.0                           | 1.68            | 1.89         | 4.0                           | 2.90            | 3.07         | —                             | 6.03            | 10.45        | 14.0                          | 26.18           | 31.16        | —                             | 1.18            | 0.75         | —                             | 0.38            | 0.40         |
| 24         | 8.0                           | 1.64            | 1.81         | 20.0                          | 2.35            | 2.43         | 2.0                           | 5.87            | 7.88         | —                             | 41.09           | 47.08        | —                             | 0.67            | 0.51         | —                             | 0.30            | 0.37         |
| 25         | 8.0                           | 1.56            | 1.77         | 6.0                           | 2.06            | 2.04         | 10.0                          | 15.01           | 22.47        | —                             | 29.10           | 35.95        | —                             | 0.56            | 0.43         | —                             | 0.22            | 0.30         |
| 26         | 14.0                          | 1.53            | 1.83         | 6.0                           | 1.82            | 1.87         | 10.0                          | 8.50            | 8.87         | —                             | 22.06           | 24.48        | 24.5                          | 2.96            | 2.37         | 10.0                          | 0.96            | 0.63         |
| 27         | 2.0                           | 1.72            | 1.84         | 26.0                          | 1.70            | 1.79         | 6.0                           | 4.71            | 4.50         | —                             | 24.49           | 29.14        | 42.0                          | 26.26           | 48.52        | —                             | 0.48            | 0.47         |
| 28         | 20.0                          | 1.76            | 1.83         | 16.0                          | 1.57            | 1.72         | 12.0                          | 3.56            | 3.42         | —                             | 19.48           | 23.69        | 0.5                           | 8.23            | 9.30         | 2.5                           | 0.34            | 0.33         |
| 29         | —                             | 1.65            | 1.85         | —                             | —               | —            | 12.0                          | 3.05            | 3.06         | —                             | 11.67           | 12.10        | —                             | 2.57            | 2.77         | 14.5                          | 2.90            | 1.79         |
| 30         | —                             | 1.67            | 2.30         | —                             | —               | —            | —                             | 5.66            | 8.13         | —                             | 17.38           | 19.55        | 10.0                          | 2.04            | 1.97         | 39.5                          | 7.98            | 9.70         |
| 31         | 14.0                          | 2.13            | 4.00         | —                             | —               | —            | —                             | 7.62            | 11.19        | —                             | —               | —            | 1.5                           | 3.13            | 3.38         | —                             | —               | —            |
| 計<br>Total | 336.0                         | 109.05          | 114.67       | 212.0                         | 61.22           | 82.60        | 238.0                         | 146.75          | 196.21       | 94.0                          | 578.43          | 719.21       | 119.5                         | 328.41          | 313.97       | 147.0                         | 49.29           | 52.00        |

| 項目<br>Item | 1 9 6 5 年                             |                 |               |                                       |                 |               |                                       |                 |               |                                       |                 |               |                                       |                 |               |                                       |                 |               |
|------------|---------------------------------------|-----------------|---------------|---------------------------------------|-----------------|---------------|---------------------------------------|-----------------|---------------|---------------------------------------|-----------------|---------------|---------------------------------------|-----------------|---------------|---------------------------------------|-----------------|---------------|
|            | 7 月 July                              |                 |               | 8 月 Aug.                              |                 |               | 9 月 Sep.                              |                 |               | 10 月 Oct.                             |                 |               | 11 月 Nov.                             |                 |               | 12 月 Dec.                             |                 |               |
|            | 降水量<br>Precipitation                  | 流 出 量<br>Runoff |               | 降水量<br>Precipitation                  | 流 出 量<br>Runoff |               | 降水量<br>Precipitation                  | 流 出 量<br>Runoff |               | 降水量<br>Precipitation                  | 流 出 量<br>Runoff |               | 降水量<br>Precipitation                  | 流 出 量<br>Runoff |               | 降水量<br>Precipitation                  | 流 出 量<br>Runoff |               |
|            | 露 場<br>Meteor-<br>ological<br>station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteor-<br>ological<br>station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteor-<br>ological<br>station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteor-<br>ological<br>station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteor-<br>ological<br>station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteor-<br>ological<br>station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 |
| 1          | 25.5                                  | 30.10           | 36.71         | —                                     | 2.26            | 2.61          | —                                     | 0.13            | 0.27          | —                                     | 0.44            | 1.26          | 0.5                                   | 1.04            | 1.45          | 4.0                                   | 5.41            | 5.91          |
| 2          | 2.0                                   | 6.82            | 9.32          | —                                     | 1.09            | 1.41          | 10.0                                  | 0.61            | 0.40          | —                                     | 0.34            | 0.87          | 17.5                                  | 5.78            | 7.27          | —                                     | 3.05            | 2.98          |
| 3          | —                                     | 2.51            | 3.21          | —                                     | 0.77            | 1.00          | —                                     | 0.20            | 0.28          | —                                     | 0.30            | 0.62          | 2.0                                   | 3.60            | 5.01          | 6.0                                   | 4.52            | 4.08          |
| 4          | 11.0                                  | 2.61            | 3.31          | —                                     | 0.56            | 0.75          | 21.5                                  | 2.93            | 2.06          | —                                     | 0.21            | 0.50          | 6.5                                   | 2.17            | 2.87          | 8.0                                   | 7.62            | 8.18          |
| 5          | 25.5                                  | 19.40           | 22.51         | —                                     | 0.44            | 0.59          | 1.5                                   | 0.85            | 1.27          | 4.5                                   | 0.21            | 0.54          | 39.5                                  | 19.78           | 24.98         | —                                     | 3.71            | 3.48          |
| 6          | 0.5                                   | 4.06            | 4.28          | —                                     | 0.39            | 0.44          | 4.0                                   | 0.44            | 0.56          | 5.0                                   | 0.69            | 1.03          | 2.0                                   | 11.95           | 12.41         | 8.0                                   | 2.37            | 2.43          |
| 7          | 1.5                                   | 2.05            | 2.07          | —                                     | 0.32            | 0.38          | 14.5                                  | 2.52            | 3.98          | 10.0                                  | 1.41            | 1.96          | 4.5                                   | 3.80            | 3.82          | 26.0                                  | 2.00            | 1.95          |
| 8          | 86.0                                  | 66.87           | 73.65         | —                                     | 0.27            | 0.34          | —                                     | 0.70            | 1.32          | 8.5                                   | 2.11            | 3.33          | 31.5                                  | 12.76           | 14.10         | 46.0                                  | 6.07            | 4.92          |
| 9          | 8.5                                   | 10.63           | 11.10         | 1.0                                   | 0.23            | 0.27          | 9.5                                   | 1.53            | 1.83          | 6.0                                   | 2.47            | 4.17          | 22.5                                  | 27.90           | 30.63         | 4.0                                   | 8.84            | 5.30          |
| 10         | 53.5                                  | 28.28           | 30.47         | —                                     | 0.22            | 0.27          | 11.0                                  | 2.30            | 3.23          | 12.5                                  | 5.02            | 7.89          | 16.0                                  | 19.09           | 23.82         | 20.0                                  | 18.96           | 17.38         |
| 11         | 16.5                                  | 33.50           | 36.35         | 131.0                                 | 74.75           | 88.54         | —                                     | 1.22            | 2.12          | —                                     | 1.51            | 3.19          | 10.0                                  | 9.91            | 12.30         | 2.0                                   | 15.56           | 15.75         |
| 12         | 85.5                                  | 82.95           | 83.49         | 19.0                                  | 27.47           | 28.20         | 3.5                                   | 0.90            | 1.42          | —                                     | 0.66            | 1.69          | 2.0                                   | 6.45            | 7.03          | 22.0                                  | 23.19           | 30.48         |
| 13         | —                                     | 7.91            | 7.78          | —                                     | 4.60            | 5.46          | 8.0                                   | 0.86            | 1.17          | —                                     | 0.42            | 1.25          | 24.0                                  | 15.17           | 16.31         | 4.0                                   | 12.86           | 12.98         |
| 14         | 44.5                                  | 18.92           | 15.96         | —                                     | 1.31            | 2.28          | 1.0                                   | 1.84            | 2.84          | 27.0                                  | 7.85            | 10.86         | 12.0                                  | 24.13           | 29.08         | 10.0                                  | 9.74            | 11.35         |
| 15         | 44.5                                  | 48.96           | 55.79         | —                                     | 0.68            | 1.31          | 24.5                                  | 5.16            | 2.61          | 36.5                                  | 18.35           | 25.48         | —                                     | 6.38            | 8.48          | 10.0                                  | 9.15            | 11.44         |
| 16         | 34.5                                  | 24.52           | 25.13         | —                                     | 0.49            | 0.85          | 10.0                                  | 2.94            | 3.58          | 26.0                                  | 20.92           | 26.72         | 12.0                                  | 9.01            | 10.96         | 8.0                                   | 5.62            | 4.62          |
| 17         | 38.0                                  | 46.66           | 47.47         | —                                     | 0.47            | 0.62          | 18.5                                  | 6.82            | 10.65         | 1.5                                   | 7.89            | 10.55         | 2.0                                   | 4.52            | 4.85          | 10.0                                  | 4.21            | 3.06          |
| 18         | 1.5                                   | 9.04            | 8.47          | —                                     | 0.45            | 0.50          | 2.5                                   | 3.16            | 7.05          | —                                     | 2.37            | 3.40          | —                                     | 5.37            | 3.63          | —                                     | 2.56            | 2.49          |
| 19         | —                                     | 2.94            | 3.01          | —                                     | 0.39            | 0.45          | 8.0                                   | 2.10            | 4.35          | —                                     | 1.18            | 1.91          | 2.0                                   | 5.04            | 3.39          | 24.0                                  | 11.32           | 12.24         |
| 20         | 7.0                                   | 1.74            | 1.90          | 1.0                                   | 0.29            | 0.36          | 9.0                                   | 1.53            | 2.54          | 2.5                                   | 0.84            | 1.33          | 8.0                                   | 4.47            | 5.21          | 4.0                                   | 16.23           | 18.25         |
| 21         | 3.5                                   | 3.24            | 3.79          | —                                     | 0.23            | 0.31          | 0.5                                   | 2.77            | 4.73          | 0.5                                   | 0.88            | 1.43          | 10.0                                  | 6.44            | 7.68          | 2.0                                   | 12.86           | 16.09         |
| 22         | —                                     | 1.32            | 1.86          | —                                     | 0.22            | 0.29          | —                                     | 0.96            | 1.99          | —                                     | 0.48            | 1.11          | —                                     | 3.27            | 3.81          | —                                     | 9.63            | 11.79         |
| 23         | —                                     | 0.93            | 1.23          | —                                     | 0.22            | 0.25          | —                                     | 0.54            | 1.29          | 0.5                                   | 0.41            | 0.85          | —                                     | 2.17            | 2.37          | 18.0                                  | 13.13           | 14.00         |
| 24         | —                                     | 0.71            | 0.95          | 39.0                                  | 3.87            | 2.40          | —                                     | 0.37            | 0.93          | 1.0                                   | 0.37            | 0.74          | —                                     | 1.73            | 1.86          | 26.0                                  | 12.72           | 12.26         |
| 25         | —                                     | 0.60            | 0.77          | 7.0                                   | 7.96            | 7.40          | 0.5                                   | 0.27            | 0.70          | —                                     | 0.40            | 0.76          | 6.0                                   | 1.42            | 1.56          | 16.0                                  | 5.33            | 5.03          |
| 26         | —                                     | 0.46            | 0.59          | —                                     | 0.77            | 1.16          | —                                     | 0.20            | 0.58          | —                                     | 0.31            | 0.57          | 8.0                                   | 5.95            | 6.65          | 4.0                                   | 3.27            | 3.39          |
| 27         | 11.0                                  | 1.13            | 0.98          | —                                     | 0.43            | 0.66          | 3.5                                   | 0.25            | 0.66          | —                                     | 0.29            | 0.51          | —                                     | 4.25            | 4.93          | —                                     | 2.44            | 2.65          |
| 28         | 62.0                                  | 28.40           | 31.88         | —                                     | 0.30            | 0.48          | 16.0                                  | 2.13            | 2.93          | —                                     | 0.25            | 0.46          | —                                     | 3.68            | 4.03          | 10.0                                  | 2.41            | 2.49          |
| 29         | 18.5                                  | 15.05           | 16.88         | —                                     | 0.22            | 0.41          | 9.0                                   | 2.78            | 4.16          | 0.5                                   | 0.24            | 0.43          | 2.0                                   | 3.00            | 2.93          | 16.0                                  | 13.56           | 16.60         |
| 30         | 36.5                                  | 31.29           | 35.00         | —                                     | 0.17            | 0.35          | —                                     | 1.40            | 3.02          | 1.5                                   | 0.24            | 0.44          | 22.0                                  | 12.86           | 14.72         | 24.0                                  | 4.92            | 5.40          |
| 31         | —                                     | 9.08            | 9.65          | —                                     | 0.13            | 0.29          | —                                     | —               | —             | 14.5                                  | 3.23            | 4.05          | —                                     | —               | —             | 28.0                                  | 3.20            | 3.80          |
| 計<br>Total | 617.5                                 | 542.68          | 585.68        | 198.0                                 | 131.97          | 150.63        | 186.5                                 | 50.41           | 74.79         | 158.5                                 | 82.29           | 119.80        | 262.5                                 | 243.09          | 278.14        | 360.0                                 | 256.46          | 273.13        |

Appendix-Table 1. (つづき) (Continued)

| 項目<br>Item | 1966年                        |               |              |                              |               |              |                              |               |              |                              |               |              |                              |               |              |                              |               |              |
|------------|------------------------------|---------------|--------------|------------------------------|---------------|--------------|------------------------------|---------------|--------------|------------------------------|---------------|--------------|------------------------------|---------------|--------------|------------------------------|---------------|--------------|
|            | 1月 Jan.                      |               |              | 2月 Feb.                      |               |              | 3月 Mar.                      |               |              | 4月 Apr.                      |               |              | 5月 May                       |               |              | 6月 June                      |               |              |
|            | 降水量<br>Precipitation         | 流出量<br>Runoff |              | 降水量<br>Precipitation         | 流出量<br>Runoff |              | 降水量<br>Precipitation         | 流出量<br>Runoff |              | 降水量<br>Precipitation         | 流出量<br>Runoff |              | 降水量<br>Precipitation         | 流出量<br>Runoff |              | 降水量<br>Precipitation         | 流出量<br>Runoff |              |
|            | 露場<br>Meteorological station | 1号沢<br>No. 1  | 2号沢<br>No. 2 | 露場<br>Meteorological station | 1号沢<br>No. 1  | 2号沢<br>No. 2 | 露場<br>Meteorological station | 1号沢<br>No. 1  | 2号沢<br>No. 2 | 露場<br>Meteorological station | 1号沢<br>No. 1  | 2号沢<br>No. 2 | 露場<br>Meteorological station | 1号沢<br>No. 1  | 2号沢<br>No. 2 | 露場<br>Meteorological station | 1号沢<br>No. 1  | 2号沢<br>No. 2 |
| 日<br>Day   |                              |               |              |                              |               |              |                              |               |              |                              |               |              |                              |               |              |                              |               |              |
| 1          | 10.0                         | 3.04          | 2.89         | 10.0                         | 7.66          | 12.57        | —                            | 19.98         | 24.36        | 4.0                          | 11.23         | 11.67        | —                            | 0.99          | 1.18         | —                            | 0.22          | 0.25         |
| 2          | 10.0                         | 2.69          | 2.48         | —                            | 3.52          | 7.82         | 2.0                          | 15.69         | 20.18        | —                            | 15.47         | 16.98        | 21.0                         | 4.55          | 4.90         | —                            | 0.18          | 0.23         |
| 3          | 2.0                          | 2.32          | 2.15         | 16.0                         | 5.95          | 14.92        | —                            | 21.61         | 26.01        | —                            | 16.73         | 18.54        | 7.5                          | 5.13          | 6.09         | —                            | 0.13          | 0.24         |
| 4          | 22.0                         | 16.29         | 23.56        | 4.0                          | 4.95          | 5.19         | 44.0                         | 63.46         | 74.76        | —                            | 10.10         | 9.69         | 0.5                          | 3.29          | 4.01         | 6.0                          | 0.40          | 0.30         |
| 5          | 8.0                          | 25.05         | 30.89        | 6.0                          | 3.27          | 3.13         | 10.0                         | 32.09         | 36.08        | —                            | 8.42          | 9.50         | —                            | 1.80          | 2.25         | 9.0                          | 0.94          | 0.60         |
| 6          | 10.0                         | 10.82         | 12.17        | 6.0                          | 2.63          | 2.35         | —                            | 7.47          | 7.18         | 8.0                          | 12.35         | 12.32        | —                            | 1.28          | 1.56         | 6.5                          | 1.41          | 1.09         |
| 7          | —                            | 8.87          | 8.41         | 8.0                          | 2.07          | 2.01         | —                            | 4.52          | 4.25         | 10.0                         | 26.29         | 22.75        | 12.5                         | 2.90          | 2.96         | —                            | 0.43          | 0.48         |
| 8          | 22.0                         | 4.84          | 4.26         | 10.0                         | 1.98          | 2.14         | —                            | 3.08          | 3.67         | —                            | 16.40         | 15.84        | 13.0                         | 8.46          | 10.67        | —                            | 0.23          | 0.28         |
| 9          | 4.0                          | 3.37          | 3.08         | —                            | 3.42          | 6.93         | —                            | 2.63          | 3.45         | —                            | 12.67         | 11.66        | 9.0                          | 5.86          | 8.18         | 19.5                         | 1.35          | 1.18         |
| 10         | 14.0                         | 3.04          | 3.20         | 46.0                         | 45.16         | 59.17        | 12.0                         | 4.79          | 8.62         | —                            | 7.94          | 7.36         | 11.5                         | 5.84          | 7.42         | 11.5                         | 5.19          | 6.94         |
| 11         | —                            | 5.60          | 8.42         | 2.0                          | 13.62         | 13.11        | —                            | 9.24          | 15.05        | —                            | 7.67          | 7.44         | —                            | 4.00          | 4.78         | —                            | 1.09          | 1.96         |
| 12         | —                            | 3.63          | 4.27         | 10.0                         | 6.30          | 5.32         | —                            | 9.72          | 13.67        | —                            | 7.89          | 7.47         | —                            | 2.07          | 2.39         | —                            | 0.48          | 0.80         |
| 13         | 4.0                          | 2.86          | 3.52         | 10.0                         | 4.25          | 3.49         | —                            | 15.61         | 23.21        | —                            | 10.35         | 8.56         | —                            | 1.34          | 1.62         | —                            | 0.28          | 0.45         |
| 14         | 6.0                          | 2.55          | 3.08         | 4.0                          | 3.49          | 2.69         | —                            | 11.88         | 14.07        | —                            | 9.78          | 7.47         | —                            | 1.10          | 1.17         | —                            | 0.21          | 0.35         |
| 15         | —                            | 2.12          | 2.48         | 6.0                          | 2.75          | 3.69         | 10.0                         | 10.27         | 13.65        | 27.0                         | 27.19         | 22.51        | 10.0                         | 1.67          | 1.91         | —                            | 0.15          | 0.32         |
| 16         | 28.0                         | 2.12          | 3.61         | 2.0                          | 4.51          | 12.71        | 18.0                         | 32.50         | 39.07        | 19.0                         | 18.23         | 13.78        | 0.5                          | 1.13          | 1.42         | 0.5                          | 0.17          | 0.30         |
| 17         | 8.0                          | 6.57          | 8.29         | 6.0                          | 3.75          | 4.23         | —                            | 10.90         | 12.21        | 12.5                         | 20.75         | 20.97        | —                            | 0.81          | 1.01         | 1.0                          | 0.16          | 0.26         |
| 18         | 6.0                          | 4.40          | 4.76         | 10.0                         | 6.66          | 8.89         | 14.0                         | 12.74         | 14.94        | —                            | 10.89         | 9.35         | —                            | 0.67          | 0.74         | —                            | 0.15          | 0.25         |
| 19         | 14.0                         | 3.56          | 3.36         | —                            | 5.58          | 6.46         | 16.0                         | 18.74         | 22.97        | —                            | 6.76          | 5.00         | —                            | 0.49          | 0.54         | —                            | 0.11          | 0.24         |
| 20         | 12.0                         | 2.87          | 2.56         | 4.0                          | 4.14          | 5.09         | 14.0                         | 6.33          | 6.25         | —                            | 5.63          | 4.14         | —                            | 0.42          | 0.50         | 1.5                          | 0.12          | 0.24         |
| 21         | 18.0                         | 2.42          | 2.17         | —                            | 5.38          | 8.26         | —                            | 3.62          | 3.76         | —                            | 5.85          | 3.64         | —                            | 0.38          | 0.45         | —                            | 0.09          | 0.23         |
| 22         | 4.0                          | 2.17          | 1.99         | 10.0                         | 11.22         | 16.75        | 24.0                         | 16.48         | 25.28        | —                            | 4.97          | 2.79         | 6.0                          | 0.52          | 0.56         | —                            | 0.09          | 0.19         |
| 23         | 8.0                          | 2.00          | 1.87         | 8.0                          | 8.50          | 8.87         | 2.0                          | 24.02         | 30.05        | —                            | 4.27          | 2.36         | 1.0                          | 0.46          | 0.54         | 5.5                          | 0.20          | 0.28         |
| 24         | 4.0                          | 1.77          | 1.82         | 2.0                          | 4.56          | 4.67         | 26.0                         | 9.90          | 10.27        | —                            | 3.08          | 1.66         | 1.0                          | 0.35          | 0.45         | 38.5                         | 6.10          | 6.09         |
| 25         | 12.0                         | 1.65          | 1.74         | —                            | 3.38          | 5.36         | 2.0                          | 5.39          | 5.87         | —                            | 2.06          | 1.17         | —                            | 0.29          | 0.39         | 28.5                         | 10.27         | 13.03        |
| 26         | 14.0                         | 1.56          | 1.61         | —                            | 3.08          | 4.98         | 2.0                          | 4.38          | 5.95         | 28.5                         | 9.07          | 7.25         | —                            | 0.21          | 0.32         | —                            | 4.88          | 8.22         |
| 27         | 8.0                          | 1.48          | 1.54         | 8.0                          | 5.17          | 8.93         | —                            | 6.56          | 10.38        | 18.5                         | 18.95         | 17.96        | —                            | 0.19          | 0.29         | 10.5                         | 3.07          | 4.70         |
| 28         | 16.0                         | 1.40          | 1.54         | 2.0                          | 14.62         | 20.99        | 6.0                          | 11.33         | 13.65        | —                            | 4.71          | 4.48         | —                            | 0.18          | 0.28         | 59.0                         | 42.13         | 49.72        |
| 29         | 20.0                         | 1.37          | 1.54         | —                            | —             | —            | 22.0                         | 13.93         | 13.66        | —                            | 2.49          | 2.47         | 11.0                         | 0.19          | 0.62         | —                            | 4.64          | 6.85         |
| 30         | 2.0                          | 1.37          | 1.48         | —                            | —             | —            | —                            | 9.19          | 8.63         | —                            | 1.49          | 1.61         | —                            | 0.52          | 0.47         | —                            | 1.81          | 2.26         |
| 31         | 4.0                          | 1.37          | 1.41         | —                            | —             | —            | —                            | 9.18          | 11.39        | —                            | —             | —            | —                            | 0.26          | 0.31         | —                            | —             | —            |
| 計<br>Total | 290.0                        | 135.17        | 156.15       | 190.0                        | 191.57        | 260.72       | 224.0                        | 426.96        | 522.54       | 127.5                        | 319.68        | 288.39       | 105.5                        | 58.07         | 69.98        | 197.5                        | 86.68         | 108.33       |

| 項目<br>Item | 1 9 6 6 年                        |                 |               |                                  |                 |               |                                  |                 |               |                                  |                 |               |                                  |                 |               |                                  |                 |               |
|------------|----------------------------------|-----------------|---------------|----------------------------------|-----------------|---------------|----------------------------------|-----------------|---------------|----------------------------------|-----------------|---------------|----------------------------------|-----------------|---------------|----------------------------------|-----------------|---------------|
|            | 7 月 July                         |                 |               | 8 月 Aug.                         |                 |               | 9 月 Sep.                         |                 |               | 10 月 Oct.                        |                 |               | 11 月 Nov.                        |                 |               | 12 月 Dec.                        |                 |               |
|            | 降水量<br>Precipitation             | 流 出 量<br>Runoff |               | 降水量<br>Precipitation             | 流 出 量<br>Runoff |               | 降水量<br>Precipitation             | 流 出 量<br>Runoff |               | 降水量<br>Precipitation             | 流 出 量<br>Runoff |               | 降水量<br>Precipitation             | 流 出 量<br>Runoff |               | 降水量<br>Precipitation             | 流 出 量<br>Runoff |               |
|            | 露 場<br>Meteorological<br>station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 |
| 日<br>Day   |                                  |                 |               |                                  |                 |               |                                  |                 |               |                                  |                 |               |                                  |                 |               |                                  |                 |               |
| 1          | 9.5                              | 2.67            | 3.03          | 1.0                              | 4.08            | 4.45          | 7.0                              | 0.42            | 0.30          | 0.5                              | 0.34            | 0.99          | 3.0                              | 10.28           | 11.81         | 10.0                             | 6.89            | 7.35          |
| 2          | 15.5                             | 8.48            | 10.16         | —                                | 2.08            | 2.47          | —                                | 0.12            | 0.21          | 10.0                             | 1.52            | 2.14          | 1.5                              | 3.58            | 4.32          | 8.0                              | 3.56            | 3.64          |
| 3          | 4.0                              | 4.97            | 6.04          | 0.5                              | 1.43            | 1.61          | —                                | 0.08            | 0.18          | 1.0                              | 1.01            | 1.84          | —                                | 2.12            | 2.65          | 2.0                              | 2.47            | 2.67          |
| 4          | 1.0                              | 4.36            | 5.25          | —                                | 0.89            | 1.08          | —                                | 0.08            | 0.16          | —                                | 0.68            | 1.35          | —                                | 1.35            | 1.73          | 14.0                             | 9.68            | 9.29          |
| 5          | 1.0                              | 2.88            | 3.56          | —                                | 0.68            | 0.84          | —                                | 0.07            | 0.15          | 0.5                              | 0.40            | 0.97          | 1.0                              | 1.10            | 1.44          | 14.0                             | 18.81           | 19.62         |
| 6          | —                                | 1.31            | 1.89          | —                                | 0.54            | 0.70          | —                                | 0.06            | 0.14          | —                                | 0.21            | 0.64          | —                                | 0.91            | 1.20          | 2.0                              | 9.26            | 9.90          |
| 7          | 4.0                              | 4.89            | 5.46          | 2.5                              | 0.81            | 0.82          | —                                | 0.06            | 0.14          | —                                | 0.16            | 0.54          | —                                | 0.75            | 0.98          | —                                | 4.41            | 4.59          |
| 8          | 40.5                             | 20.46           | 24.30         | —                                | 0.32            | 0.45          | —                                | 0.06            | 0.14          | —                                | 0.14            | 0.46          | —                                | 0.58            | 0.84          | 14.0                             | 5.68            | 6.39          |
| 9          | —                                | 4.16            | 4.54          | —                                | 0.24            | 0.40          | 3.5                              | 0.12            | 0.16          | —                                | 0.12            | 0.43          | —                                | 0.53            | 0.70          | —                                | 7.61            | 7.21          |
| 10         | —                                | 1.97            | 2.27          | —                                | 0.22            | 0.36          | 26.5                             | 3.23            | 2.05          | —                                | 0.10            | 0.39          | 1.0                              | 0.53            | 0.64          | —                                | 3.57            | 3.80          |
| 11         | 2.5                              | 1.78            | 1.96          | —                                | 0.20            | 0.31          | —                                | 0.32            | 0.47          | —                                | 0.09            | 0.33          | 0.5                              | 0.41            | 0.58          | 4.0                              | 2.41            | 2.67          |
| 12         | 6.5                              | 2.22            | 2.87          | 37.0                             | 8.66            | 6.18          | 17.5                             | 3.59            | 3.49          | 43.5                             | 7.86            | 7.53          | 0.5                              | 0.39            | 0.51          | 4.0                              | 1.93            | 2.13          |
| 13         | 0.5                              | 0.76            | 1.26          | 5.0                              | 5.04            | 6.19          | —                                | 0.37            | 0.72          | 33.5                             | 20.61           | 26.70         | 66.0                             | 27.65           | 29.05         | 30.0                             | 1.67            | 1.89          |
| 14         | —                                | 0.43            | 0.83          | —                                | 1.02            | 1.30          | 5.0                              | 0.25            | 0.46          | 11.0                             | 14.36           | 20.27         | 5.5                              | 21.14           | 21.19         | 18.0                             | 1.61            | 1.73          |
| 15         | 81.0                             | 42.21           | 44.53         | 26.0                             | 5.91            | 7.38          | 1.0                              | 0.37            | 0.52          | 5.0                              | 4.23            | 6.22          | 2.0                              | 5.35            | 6.16          | 8.0                              | 1.48            | 1.59          |
| 16         | 87.0                             | 101.82          | 96.64         | 3.0                              | 6.41            | 8.32          | —                                | 0.14            | 0.31          | 0.5                              | 2.04            | 3.36          | —                                | 2.88            | 3.43          | 12.0                             | 1.41            | 1.54          |
| 17         | 33.5                             | 47.68           | 44.01         | 4.5                              | 2.93            | 3.88          | 12.0                             | 0.59            | 0.52          | 26.5                             | 9.16            | 11.48         | 12.0                             | 5.28            | 5.82          | 2.0                              | 1.68            | 2.35          |
| 18         | 1.0                              | 13.93           | 11.00         | —                                | 1.59            | 2.20          | 45.5                             | 16.62           | 20.40         | 45.5                             | 35.78           | 41.62         | —                                | 3.44            | 4.13          | —                                | 2.22            | 2.81          |
| 19         | 1.0                              | 5.09            | 4.73          | 1.0                              | 0.81            | 1.25          | 11.0                             | 9.62            | 13.52         | 20.5                             | 19.03           | 23.09         | 18.0                             | 8.26            | 9.41          | —                                | 2.16            | 2.50          |
| 20         | 1.0                              | 2.70            | 2.87          | —                                | 0.54            | 0.83          | —                                | 1.66            | 3.28          | 14.0                             | 12.61           | 14.77         | 18.0                             | 6.25            | 7.83          | —                                | 2.63            | 2.97          |
| 21         | 16.0                             | 20.31           | 22.27         | —                                | 0.37            | 0.59          | 3.0                              | 0.61            | 1.55          | 12.0                             | 13.19           | 15.67         | 18.0                             | 4.90            | 4.72          | —                                | 2.12            | 2.20          |
| 22         | —                                | 8.08            | 8.99          | —                                | 0.33            | 0.49          | —                                | 0.54            | 1.32          | 2.0                              | 6.16            | 7.57          | 4.0                              | 3.85            | 3.71          | —                                | 1.78            | 1.88          |
| 23         | 14.5                             | 4.65            | 5.47          | —                                | 0.27            | 0.42          | 1.5                              | 0.27            | 0.77          | —                                | 2.51            | 3.30          | —                                | 3.68            | 3.74          | —                                | 1.62            | 2.02          |
| 24         | —                                | 4.15            | 5.64          | —                                | 0.20            | 0.36          | 36.5                             | 10.68           | 15.08         | —                                | 1.43            | 1.96          | 2.0                              | 4.95            | 5.30          | —                                | 1.47            | 1.86          |
| 25         | 2.0                              | 2.41            | 2.93          | —                                | 0.13            | 0.32          | —                                | 4.31            | 7.81          | 3.5                              | 1.02            | 1.49          | 20.0                             | 19.43           | 22.52         | 4.0                              | 1.31            | 1.63          |
| 26         | —                                | 1.47            | 1.89          | —                                | 0.13            | 0.28          | —                                | 1.15            | 2.44          | 9.0                              | 2.11            | 2.45          | 4.0                              | 7.89            | 8.50          | 2.0                              | 1.14            | 1.45          |
| 27         | —                                | 1.02            | 1.34          | —                                | 0.12            | 0.26          | 8.5                              | 1.97            | 3.01          | 0.5                              | 2.33            | 3.17          | 18.0                             | 12.88           | 13.96         | 2.0                              | 1.02            | 1.33          |
| 28         | 5.5                              | 0.93            | 0.99          | —                                | 0.10            | 0.24          | 7.5                              | 2.84            | 4.70          | 37.5                             | 17.99           | 20.86         | 2.0                              | 15.36           | 16.44         | 4.0                              | 0.94            | 1.26          |
| 29         | 15.0                             | 4.79            | 5.02          | —                                | 0.09            | 0.22          | —                                | 1.31            | 2.44          | 45.5                             | 42.13           | 45.84         | 6.0                              | 10.21           | 13.53         | 14.0                             | 0.91            | 1.23          |
| 30         | 34.0                             | 20.14           | 22.65         | —                                | 0.08            | 0.22          | —                                | 0.55            | 1.30          | 11.0                             | 23.93           | 24.59         | 16.0                             | 12.66           | 16.20         | 4.0                              | 0.91            | 1.23          |
| 31         | 2.5                              | 12.61           | 14.25         | —                                | 0.06            | 0.20          | —                                | —               | —             | 14.0                             | 7.77            | 7.76          | —                                | —               | —             | 2.0                              | 0.91            | 1.24          |
| 計<br>Total | 399.5                            | 355.33          | 368.64        | 80.5                             | 46.28           | 54.62         | 186.0                            | 62.06           | 87.74         | 347.0                            | 251.02          | 299.78        | 219.0                            | 198.59          | 222.95        | 174.0                            | 105.27          | 113.97        |

Appendix-Table 1. (つづき) (Continued)

| 項目<br>Item | 1 9 6 7 年                     |                 |              |                               |                 |              |                               |                 |              |                               |                 |              |                               |                 |              |                               |                 |              |
|------------|-------------------------------|-----------------|--------------|-------------------------------|-----------------|--------------|-------------------------------|-----------------|--------------|-------------------------------|-----------------|--------------|-------------------------------|-----------------|--------------|-------------------------------|-----------------|--------------|
|            | 1 月 Jan.                      |                 |              | 2 月 Feb.                      |                 |              | 3 月 Mar.                      |                 |              | 4 月 Apr.                      |                 |              | 5 月 May                       |                 |              | 6 月 June                      |                 |              |
|            | 降水量<br>Precipitation          | 流 出 量<br>Runoff |              | 降水量<br>Precipitation          | 流 出 量<br>Runoff |              | 降水量<br>Precipitation          | 流 出 量<br>Runoff |              | 降水量<br>Precipitation          | 流 出 量<br>Runoff |              | 降水量<br>Precipitation          | 流 出 量<br>Runoff |              | 降水量<br>Precipitation          | 流 出 量<br>Runoff |              |
|            | 露 場<br>Meteorological station | 1号沢<br>No. 1    | 2号沢<br>No. 2 | 露 場<br>Meteorological station | 1号沢<br>No. 1    | 2号沢<br>No. 2 | 露 場<br>Meteorological station | 1号沢<br>No. 1    | 2号沢<br>No. 2 | 露 場<br>Meteorological station | 1号沢<br>No. 1    | 2号沢<br>No. 2 | 露 場<br>Meteorological station | 1号沢<br>No. 1    | 2号沢<br>No. 2 | 露 場<br>Meteorological station | 1号沢<br>No. 1    | 2号沢<br>No. 2 |
| 日<br>Day   |                               |                 |              |                               |                 |              |                               |                 |              |                               |                 |              |                               |                 |              |                               |                 |              |
| 1          | 22.0                          | 1.01            | 1.29         | 4.0                           | 1.39            | 1.57         | 20.0                          | 1.84            | 2.74         | —                             | 29.27           | 30.13        | 9.0                           | 3.40            | 3.56         | —                             | 0.09            | 0.14         |
| 2          | 4.0                           | 1.04            | 1.23         | —                             | 1.36            | 1.48         | 2.0                           | 4.49            | 5.90         | 6.0                           | 19.13           | 18.16        | —                             | 1.29            | 1.63         | —                             | 0.07            | 0.14         |
| 3          | 8.0                           | 1.04            | 1.23         | 2.0                           | 1.36            | 1.53         | —                             | 13.69           | 17.54        | 16.0                          | 40.26           | 36.91        | —                             | 0.86            | 0.98         | 8.0                           | 0.53            | 0.20         |
| 4          | 14.0                          | 1.04            | 1.23         | —                             | 1.38            | 2.74         | 4.0                           | 15.76           | 19.87        | 18.0                          | 28.98           | 26.58        | —                             | 0.64            | 0.70         | 1.0                           | 0.37            | 0.23         |
| 5          | 8.0                           | 1.04            | 1.23         | 4.0                           | 1.75            | 4.23         | 6.0                           | 10.22           | 10.71        | 8.0                           | 14.68           | 15.50        | —                             | 0.52            | 0.58         | 3.5                           | 0.52            | 0.27         |
| 6          | 12.0                          | 1.04            | 1.23         | —                             | 2.81            | 5.60         | —                             | 6.57            | 9.79         | 2.0                           | 22.43           | 23.57        | 1.5                           | 0.46            | 0.47         | —                             | 0.18            | 0.19         |
| 7          | 12.0                          | 1.04            | 1.23         | —                             | 3.91            | 7.04         | —                             | 3.96            | 4.68         | —                             | 13.67           | 14.06        | 8.5                           | 1.65            | 1.30         | 6.5                           | 0.51            | 0.30         |
| 8          | 2.0                           | 1.04            | 1.23         | —                             | 3.46            | 4.77         | —                             | 3.10            | 4.88         | —                             | 9.72            | 9.47         | —                             | 0.73            | 0.80         | —                             | 0.23            | 0.22         |
| 9          | 6.0                           | 1.04            | 1.23         | —                             | 2.57            | 3.03         | —                             | 2.75            | 4.95         | 18.0                          | 23.30           | 20.52        | 1.5                           | 0.54            | 0.62         | —                             | 0.12            | 0.16         |
| 10         | 2.0                           | 1.04            | 1.23         | —                             | 2.13            | 2.28         | —                             | 2.50            | 4.34         | 10.5                          | 25.60           | 22.26        | 9.5                           | 2.33            | 2.29         | 6.0                           | 0.47            | 0.22         |
| 11         | 8.0                           | 1.04            | 1.23         | —                             | 1.83            | 2.05         | —                             | 2.86            | 5.08         | —                             | 12.72           | 18.87        | —                             | 1.20            | 1.73         | —                             | 0.30            | 0.22         |
| 12         | 6.0                           | 1.04            | 1.23         | —                             | 1.57            | 1.87         | 6.0                           | 2.32            | 3.43         | 1.0                           | 7.76            | 7.59         | —                             | 0.59            | 1.04         | —                             | 0.12            | 0.18         |
| 13         | 36.0                          | 1.04            | 1.27         | 6.0                           | 1.47            | 1.67         | —                             | 2.53            | 4.49         | —                             | 6.00            | 5.23         | —                             | 0.46            | 0.69         | 2.5                           | 0.28            | 0.19         |
| 14         | 12.0                          | 1.04            | 1.29         | 4.0                           | 1.44            | 1.57         | —                             | 2.52            | 4.27         | —                             | 8.06            | 7.24         | 1.0                           | 0.49            | 0.62         | —                             | 0.12            | 0.15         |
| 15         | 4.0                           | 1.06            | 1.29         | —                             | 1.33            | 1.57         | 10.0                          | 2.54            | 3.27         | —                             | 4.67            | 4.31         | —                             | 0.41            | 0.53         | —                             | 0.09            | 0.14         |
| 16         | 10.0                          | 1.04            | 1.29         | 8.0                           | 1.29            | 1.50         | —                             | 11.21           | 15.37        | 0.5                           | 4.56            | 4.26         | —                             | 0.38            | 0.44         | —                             | 0.08            | 0.13         |
| 17         | 8.0                           | 1.04            | 1.29         | 14.0                          | 1.24            | 1.47         | —                             | 13.22           | 17.60        | —                             | 4.90            | 3.90         | —                             | 0.29            | 0.35         | —                             | 0.07            | 0.10         |
| 18         | 12.0                          | 1.04            | 2.08         | 2.0                           | 1.20            | 1.41         | 4.0                           | 8.18            | 8.97         | —                             | 4.15            | 2.96         | 2.5                           | 0.28            | 0.34         | —                             | 0.07            | 0.10         |
| 19         | 2.0                           | 1.55            | 2.57         | —                             | 1.15            | 1.67         | —                             | 7.35            | 9.77         | 30.0                          | 15.04           | 12.06        | —                             | 0.27            | 0.36         | —                             | 0.07            | 0.10         |
| 20         | —                             | 1.19            | 1.69         | —                             | 1.92            | 6.05         | 6.0                           | 10.34           | 13.43        | 33.5                          | 24.01           | 23.05        | —                             | 0.18            | 0.31         | —                             | 0.06            | 0.10         |
| 21         | —                             | 1.12            | 1.50         | —                             | 2.35            | 6.48         | 2.0                           | 8.42            | 11.20        | 32.5                          | 35.34           | 37.67        | —                             | 0.15            | 0.27         | —                             | 0.05            | 0.10         |
| 22         | 12.0                          | 3.91            | 7.76         | 4.0                           | 3.05            | 7.73         | 14.0                          | 11.87           | 14.04        | 10.0                          | 15.44           | 16.10        | —                             | 0.13            | 0.23         | —                             | 0.04            | 0.10         |
| 23         | 6.0                           | 2.97            | 3.55         | 22.0                          | 19.82           | 30.53        | 4.0                           | 10.77           | 12.30        | 1.0                           | 7.99            | 8.28         | 15.0                          | 2.12            | 0.63         | —                             | 0.03            | 0.10         |
| 24         | —                             | 1.76            | 2.36         | —                             | 6.30            | 7.80         | 2.0                           | 5.12            | 5.55         | —                             | 4.03            | 4.01         | —                             | 0.30            | 0.25         | —                             | 0.03            | 0.07         |
| 25         | —                             | 1.55            | 1.96         | —                             | 3.78            | 5.21         | 6.0                           | 8.61            | 12.33        | —                             | 2.57            | 2.44         | —                             | 0.20            | 0.22         | 52.0                          | 5.97            | 3.33         |
| 26         | —                             | 1.53            | 2.41         | —                             | 3.12            | 5.29         | 6.0                           | 22.09           | 23.88        | —                             | 1.76            | 1.91         | —                             | 0.14            | 0.20         | 8.0                           | 5.62            | 5.10         |
| 27         | —                             | 1.56            | 2.53         | 8.0                           | 2.96            | 5.34         | 34.0                          | 67.58           | 80.37        | —                             | 1.25            | 1.56         | —                             | 0.12            | 0.20         | —                             | 0.43            | 0.44         |
| 28         | 6.0                           | 1.59            | 2.28         | 6.0                           | 2.29            | 3.12         | 2.0                           | 17.76           | 17.85        | 3.5                           | 1.23            | 1.32         | 3.0                           | 0.17            | 0.20         | 8.0                           | 0.95            | 0.61         |
| 29         | 20.0                          | 1.59            | 1.97         | —                             | —               | —            | 2.0                           | 11.27           | 14.65        | —                             | 1.01            | 1.12         | —                             | 0.25            | 0.21         | 1.5                           | 0.49            | 0.43         |
| 30         | 14.0                          | 1.52            | 1.77         | —                             | —               | —            | 6.0                           | 22.23           | 23.24        | 4.5                           | 0.74            | 0.87         | 0.5                           | 0.17            | 0.20         | —                             | 0.21            | 0.26         |
| 31         | 10.0                          | 1.46            | 1.68         | —                             | —               | —            | 12.0                          | 44.91           | 54.23        | —                             | —               | —            | —                             | 0.12            | 0.14         | —                             | —               | —            |
| 計<br>Total | 256.0                         | 42.01           | 57.36        | 84.0                          | 80.23           | 126.58       | 148.0                         | 358.58          | 440.72       | 195.0                         | 390.27          | 381.91       | 52.0                          | 20.84           | 22.09        | 97.0                          | 18.17           | 14.02        |

| 項目<br>Item | 1 9 6 7 年                     |                 |               |                               |                 |               |                               |                 |               |                               |                 |               |                               |                 |               |                               |                 |               |
|------------|-------------------------------|-----------------|---------------|-------------------------------|-----------------|---------------|-------------------------------|-----------------|---------------|-------------------------------|-----------------|---------------|-------------------------------|-----------------|---------------|-------------------------------|-----------------|---------------|
|            | 7 月 July                      |                 |               | 8 月 Aug.                      |                 |               | 9 月 Sep.                      |                 |               | 10 月 Oct.                     |                 |               | 11 月 Nov.                     |                 |               | 12 月 Dec.                     |                 |               |
|            | 降水量<br>Precipitation          | 流 出 量<br>Runoff |               | 降水量<br>Precipitation          | 流 出 量<br>Runoff |               | 降水量<br>Precipitation          | 流 出 量<br>Runoff |               | 降水量<br>Precipitation          | 流 出 量<br>Runoff |               | 降水量<br>Precipitation          | 流 出 量<br>Runoff |               | 降水量<br>Precipitation          | 流 出 量<br>Runoff |               |
|            | 露 場<br>Meteorological station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 |
| 1          | —                             | 0.11            | 0.20          | —                             | 0.34            | 0.63          | —                             | 0.55            | 0.91          | —                             | 0.26            | 0.51          | —                             | 2.77            | 3.51          | —                             | 7.35            | 8.10          |
| 2          | 54.5                          | 15.74           | 16.53         | —                             | 0.25            | 0.52          | 20.5                          | 2.89            | 3.16          | —                             | 0.22            | 0.36          | 2.5                           | 1.56            | 2.07          | 4.0                           | 3.47            | 3.45          |
| 3          | 20.5                          | 21.09           | 17.88         | —                             | 0.21            | 0.47          | 22.5                          | 8.42            | 10.89         | —                             | 0.20            | 0.32          | 8.0                           | 3.04            | 3.85          | —                             | 2.98            | 3.13          |
| 4          | 1.0                           | 3.37            | 5.10          | —                             | 0.17            | 0.46          | 10.5                          | 9.43            | 12.51         | —                             | 0.15            | 0.30          | —                             | 1.70            | 2.44          | 8.0                           | 3.58            | 3.99          |
| 5          | 2.0                           | 1.25            | 1.98          | 3.5                           | 0.35            | 0.45          | 3.0                           | 5.19            | 6.48          | —                             | 0.13            | 0.27          | 13.5                          | 5.03            | 6.09          | 10.0                          | 6.78            | 7.66          |
| 6          | 16.0                          | 5.51            | 6.41          | —                             | 0.18            | 0.31          | —                             | 2.74            | 3.41          | —                             | 0.11            | 0.23          | —                             | 3.63            | 4.20          | —                             | 5.06            | 5.44          |
| 7          | 4.0                           | 3.88            | 6.54          | —                             | 0.12            | 0.25          | —                             | 1.23            | 1.81          | 28.5                          | 3.23            | 3.20          | 3.5                           | 2.57            | 3.03          | 18.0                          | 5.61            | 5.78          |
| 8          | —                             | 1.28            | 2.54          | —                             | 0.08            | 0.24          | 7.5                           | 0.92            | 1.62          | 12.0                          | 7.69            | 10.04         | 15.0                          | 7.49            | 8.92          | 50.0                          | 6.00            | 6.24          |
| 9          | 30.5                          | 10.59           | 12.41         | —                             | 0.08            | 0.21          | 2.5                           | 1.04            | 1.47          | —                             | 0.87            | 1.63          | —                             | 4.57            | 5.56          | 14.0                          | 4.45            | 4.18          |
| 10         | 1.0                           | 7.26            | 10.26         | 56.0                          | 12.84           | 10.50         | 1.0                           | 0.96            | 1.35          | —                             | 0.48            | 0.99          | —                             | 2.17            | 2.71          | 10.0                          | 3.47            | 3.22          |
| 11         | —                             | 1.66            | 2.80          | —                             | 2.13            | 3.16          | 3.0                           | 0.77            | 1.13          | —                             | 0.32            | 0.75          | 5.0                           | 2.10            | 2.00          | 10.0                          | 2.93            | 2.69          |
| 12         | —                             | 0.68            | 1.37          | 18.0                          | 7.37            | 8.60          | 9.0                           | 1.68            | 2.31          | —                             | 0.29            | 0.61          | 37.5                          | 37.72           | 40.67         | 14.0                          | 2.63            | 2.39          |
| 13         | 12.0                          | 0.41            | 0.99          | 49.0                          | 32.04           | 35.97         | 3.5                           | 2.57            | 3.85          | 14.0                          | 1.65            | 1.60          | 6.0                           | 8.18            | 8.67          | —                             | 2.34            | 2.21          |
| 14         | 60.5                          | 38.26           | 40.36         | 11.0                          | 13.33           | 12.44         | 0.5                           | 1.00            | 1.91          | 10.5                          | 6.01            | 8.14          | 22.0                          | 10.45           | 11.47         | 4.0                           | 2.22            | 2.11          |
| 15         | —                             | 11.73           | 13.69         | 6.5                           | 8.93            | 7.45          | —                             | 0.56            | 1.10          | 4.5                           | 2.37            | 3.58          | 10.0                          | 18.56           | 21.44         | 34.0                          | 8.50            | 5.55          |
| 16         | —                             | 2.72            | 2.84          | 65.0                          | 40.34           | 40.70         | 6.5                           | 0.88            | 1.25          | —                             | 1.22            | 2.24          | —                             | 4.85            | 5.61          | 10.0                          | 6.00            | 4.49          |
| 17         | —                             | 1.10            | 1.48          | 2.0                           | 22.08           | 24.29         | 7.5                           | 1.71            | 2.55          | —                             | 0.70            | 1.44          | —                             | 2.76            | 3.28          | 10.0                          | 4.15            | 3.53          |
| 18         | —                             | 0.52            | 0.88          | —                             | 2.70            | 3.24          | 39.0                          | 25.02           | 28.48         | 1.5                           | 0.52            | 1.06          | —                             | 1.83            | 2.06          | 2.0                           | 3.25            | 3.00          |
| 19         | —                             | 0.42            | 0.75          | —                             | 1.04            | 1.56          | —                             | 6.22            | 7.67          | —                             | 0.38            | 0.86          | —                             | 1.51            | 1.71          | 2.0                           | 2.80            | 2.57          |
| 20         | 1.0                           | 0.39            | 0.68          | —                             | 0.58            | 0.98          | 2.0                           | 2.17            | 2.84          | 4.5                           | 0.37            | 0.74          | 2.0                           | 1.15            | 1.40          | 18.0                          | 6.95            | 8.30          |
| 21         | 13.0                          | 2.28            | 2.72          | —                             | 0.38            | 0.70          | 12.0                          | 4.40            | 6.02          | 11.5                          | 3.08            | 3.85          | 6.0                           | 1.21            | 1.39          | 30.0                          | 13.20           | 11.89         |
| 22         | —                             | 0.39            | 0.68          | —                             | 0.29            | 0.53          | 12.0                          | 4.48            | 5.90          | 14.5                          | 7.82            | 10.22         | —                             | 1.48            | 1.77          | 30.0                          | 5.83            | 5.24          |
| 23         | —                             | 0.28            | 0.53          | 11.5                          | 0.63            | 0.57          | 0.5                           | 5.08            | 6.25          | 2.0                           | 2.90            | 4.74          | —                             | 0.98            | 1.30          | 14.0                          | 3.92            | 3.88          |
| 24         | —                             | 0.26            | 0.45          | 10.5                          | 3.11            | 3.51          | 0.5                           | 2.11            | 2.87          | —                             | 1.23            | 2.40          | —                             | 0.83            | 1.09          | 8.0                           | 3.16            | 3.21          |
| 25         | —                             | 0.19            | 0.38          | —                             | 0.49            | 0.82          | —                             | 1.13            | 1.66          | —                             | 0.75            | 1.54          | —                             | 0.69            | 0.91          | 8.0                           | 2.73            | 2.81          |
| 26         | —                             | 0.14            | 0.30          | —                             | 0.25            | 0.60          | —                             | 0.66            | 1.09          | —                             | 0.54            | 1.07          | —                             | 0.57            | 0.79          | 6.0                           | 2.51            | 2.67          |
| 27         | —                             | 0.13            | 0.21          | 6.5                           | 0.37            | 0.72          | —                             | 0.50            | 0.82          | 8.0                           | 1.03            | 1.50          | —                             | 0.53            | 0.77          | 30.0                          | 2.43            | 2.53          |
| 28         | 92.0                          | 37.18           | 47.78         | 55.0                          | 24.44           | 30.02         | —                             | 0.35            | 0.65          | 15.5                          | 3.78            | 6.20          | 26.0                          | 13.75           | 15.18         | 20.0                          | 2.31            | 2.53          |
| 29         | —                             | 2.86            | 4.77          | 0.5                           | 3.79            | 5.91          | —                             | 0.28            | 0.57          | 1.5                           | 2.85            | 4.98          | 6.0                           | 6.48            | 6.94          | 20.0                          | 2.24            | 2.35          |
| 30         | —                             | 0.99            | 1.58          | —                             | 1.18            | 1.98          | 2.5                           | 0.30            | 0.58          | 34.0                          | 8.84            | 11.94         | 18.0                          | 11.06           | 12.54         | 4.0                           | 2.13            | 2.26          |
| 31         | —                             | 0.60            | 0.93          | —                             | 0.77            | 1.24          | —                             | —               | —             | 0.5                           | 17.98           | 19.38         | —                             | —               | —             | 10.0                          | 2.13            | 2.25          |
| 計<br>Total | 308.0                         | 172.77          | 206.02        | 295.0                         | 180.86          | 199.08        | 166.0                         | 95.24           | 123.11        | 163.0                         | 77.97           | 106.69        | 181.0                         | 161.22          | 183.37        | 398.0                         | 133.11          | 129.65        |

Appendix-Table 1. (つづき) (Continued)

| 項目<br>Item | 1 9 6 8 年                        |               |              |                                  |               |              |                                  |               |              |                                  |               |              |                                  |               |              |                                  |               |              |
|------------|----------------------------------|---------------|--------------|----------------------------------|---------------|--------------|----------------------------------|---------------|--------------|----------------------------------|---------------|--------------|----------------------------------|---------------|--------------|----------------------------------|---------------|--------------|
|            | 1 月 Jan.                         |               |              | 2 月 Feb.                         |               |              | 3 月 Mar.                         |               |              | 4 月 Apr.                         |               |              | 5 月 May                          |               |              | 6 月 June                         |               |              |
|            | 降水量<br>Precipitation             | 流出量<br>Runoff |              | 降水量<br>Precipitation             | 流出量<br>Runoff |              | 降水量<br>Precipitation             | 流出量<br>Runoff |              | 降水量<br>Precipitation             | 流出量<br>Runoff |              | 降水量<br>Precipitation             | 流出量<br>Runoff |              | 降水量<br>Precipitation             | 流出量<br>Runoff |              |
|            | 露 場<br>Meteorological<br>station | 1号沢<br>No. 1  | 2号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1号沢<br>No. 1  | 2号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1号沢<br>No. 1  | 2号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1号沢<br>No. 1  | 2号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1号沢<br>No. 1  | 2号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1号沢<br>No. 1  | 2号沢<br>No. 2 |
| 日<br>Day   |                                  |               |              |                                  |               |              |                                  |               |              |                                  |               |              |                                  |               |              |                                  |               |              |
| 1          | 2.0                              | 2.08          | 2.27         | 4.0                              | 1.33          | 1.67         | 8.0                              | 4.04          | 7.58         | —                                | 25.60         | 29.63        | —                                | 3.12          | 4.78         | —                                | 0.68          | 1.09         |
| 2          | —                                | 1.95          | 2.19         | 4.0                              | 1.30          | 1.61         | 6.0                              | 2.75          | 3.76         | 2.0                              | 24.06         | 30.46        | —                                | 3.08          | 4.63         | —                                | 0.45          | 0.71         |
| 3          | 24.0                             | 2.93          | 3.93         | 6.0                              | 1.30          | 1.61         | 2.0                              | 2.22          | 3.86         | —                                | 28.45         | 35.04        | 1.0                              | 2.53          | 5.56         | 45.5                             | 27.37         | 25.67        |
| 4          | 6.0                              | 3.20          | 3.40         | 6.0                              | 1.25          | 1.57         | 2.0                              | 2.09          | 3.13         | —                                | 19.49         | 20.98        | 22.5                             | 4.28          | 6.63         | —                                | 7.32          | 6.73         |
| 5          | 6.0                              | 2.64          | 2.64         | 2.0                              | 1.25          | 1.54         | 8.0                              | 2.73          | 5.94         | —                                | 21.92         | 23.48        | 7.0                              | 10.66         | 13.31        | —                                | 1.84          | 2.33         |
| 6          | 8.0                              | 3.19          | 3.81         | 24.0                             | 1.25          | 1.54         | —                                | 5.83          | 11.78        | 4.0                              | 25.21         | 28.65        | 14.0                             | 4.28          | 5.80         | —                                | 0.93          | 1.30         |
| 7          | 14.0                             | 7.99          | 13.10        | 10.0                             | 1.24          | 1.54         | —                                | 8.52          | 15.09        | 2.0                              | 21.76         | 24.51        | 27.5                             | 32.77         | 27.99        | —                                | 0.58          | 0.89         |
| 8          | 12.0                             | 5.78          | 7.20         | —                                | 1.20          | 1.54         | 8.0                              | 12.53         | 16.54        | —                                | 23.28         | 23.53        | —                                | 8.84          | 9.25         | —                                | 0.47          | 0.65         |
| 9          | 6.0                              | 3.79          | 4.23         | —                                | 1.18          | 1.48         | 8.0                              | 6.38          | 6.56         | 8.0                              | 19.56         | 18.60        | —                                | 3.01          | 3.37         | —                                | 0.34          | 0.51         |
| 10         | 18.0                             | 4.96          | 6.08         | —                                | 1.15          | 1.48         | 6.0                              | 3.91          | 4.08         | 14.0                             | 34.63         | 32.27        | —                                | 1.60          | 1.93         | 5.0                              | 0.44          | 0.50         |
| 11         | 4.0                              | 5.41          | 5.29         | 4.0                              | 1.10          | 1.48         | —                                | 4.10          | 7.06         | —                                | 16.70         | 16.58        | —                                | 1.15          | 1.72         | 0.5                              | 0.39          | 0.47         |
| 12         | —                                | 3.86          | 3.82         | 4.0                              | 1.10          | 1.47         | 2.0                              | 4.64          | 6.72         | —                                | 15.84         | 16.49        | 14.0                             | 2.01          | 2.49         | —                                | 0.24          | 0.38         |
| 13         | 16.0                             | 3.64          | 4.29         | 6.0                              | 1.10          | 1.41         | 18.0                             | 7.58          | 8.94         | —                                | 15.89         | 17.47        | 33.0                             | 17.93         | 21.51        | —                                | 0.20          | 0.37         |
| 14         | 22.0                             | 4.27          | 5.65         | —                                | 1.10          | 1.38         | —                                | 10.67         | 15.05        | —                                | 15.51         | 16.23        | 9.0                              | 12.24         | 15.54        | —                                | 0.16          | 0.33         |
| 15         | 6.0                              | 3.36          | 3.94         | 4.0                              | 1.09          | 1.32         | 2.0                              | 9.59          | 15.37        | —                                | 14.04         | 14.37        | —                                | 4.14          | 5.04         | 12.0                             | 1.58          | 0.41         |
| 16         | 10.0                             | 2.84          | 3.37         | 12.0                             | 1.04          | 1.29         | 2.0                              | 12.39         | 17.40        | —                                | 17.69         | 16.72        | —                                | 2.07          | 2.61         | 7.0                              | 1.76          | 1.26         |
| 17         | 8.0                              | 2.48          | 2.93         | —                                | 1.00          | 1.29         | 10.0                             | 6.92          | 7.34         | —                                | 19.75         | 18.88        | —                                | 1.31          | 1.76         | —                                | 0.34          | 0.42         |
| 18         | 8.0                              | 2.17          | 2.59         | —                                | 1.00          | 1.29         | —                                | 4.31          | 4.72         | 8.0                              | 18.20         | 16.19        | —                                | 0.93          | 1.33         | 5.0                              | 0.89          | 0.67         |
| 19         | 4.0                              | 1.97          | 2.46         | 8.0                              | 1.00          | 1.29         | 2.0                              | 13.38         | 19.45        | 8.0                              | 21.85         | 20.80        | 2.0                              | 0.92          | 1.17         | 10.5                             | 1.69          | 1.32         |
| 20         | 2.0                              | 1.86          | 2.29         | 24.0                             | 1.11          | 1.74         | —                                | 14.86         | 18.89        | 8.0                              | 11.71         | 12.56        | 0.5                              | 0.74          | 1.08         | 3.0                              | 2.59          | 2.80         |
| 21         | 12.0                             | 1.80          | 2.10         | 14.0                             | 1.15          | 1.69         | 10.0                             | 25.49         | 28.45        | —                                | 14.16         | 15.54        | —                                | 0.55          | 0.86         | 0.5                              | 0.65          | 0.80         |
| 22         | 4.0                              | 1.70          | 1.98         | 30.0                             | 1.10          | 1.56         | 2.0                              | 18.57         | 23.74        | —                                | 12.81         | 13.49        | —                                | 0.40          | 0.73         | —                                | 0.30          | 0.45         |
| 23         | 4.0                              | 1.64          | 1.97         | 8.0                              | 1.10          | 1.48         | —                                | 20.89         | 27.91        | —                                | 10.72         | 10.14        | 0.5                              | 0.35          | 0.58         | —                                | 0.21          | 0.35         |
| 24         | 2.0                              | 1.63          | 1.97         | 10.0                             | 1.10          | 1.48         | —                                | 16.75         | 20.30        | —                                | 10.45         | 11.09        | 3.5                              | 0.36          | 0.59         | —                                | 0.15          | 0.28         |
| 25         | 6.0                              | 1.60          | 1.97         | 14.0                             | 1.07          | 1.48         | —                                | 18.76         | 24.97        | —                                | 9.62          | 9.70         | —                                | 0.30          | 0.55         | —                                | 0.12          | 0.25         |
| 26         | 8.0                              | 1.59          | 1.92         | —                                | 1.00          | 1.69         | —                                | 14.21         | 16.54        | —                                | 9.51          | 10.10        | —                                | 0.26          | 0.50         | —                                | 0.11          | 0.23         |
| 27         | —                                | 1.47          | 1.90         | 2.0                              | 1.10          | 3.16         | —                                | 21.48         | 27.71        | —                                | 8.45          | 8.85         | 22.5                             | 4.13          | 3.98         | —                                | 0.11          | 0.21         |
| 28         | —                                | 1.41          | 1.90         | —                                | 1.61          | 6.30         | —                                | 13.98         | 17.40        | 10.5                             | 7.80          | 7.84         | —                                | 1.61          | 2.16         | —                                | 0.08          | 0.20         |
| 29         | 6.0                              | 1.39          | 1.77         | 2.0                              | 2.77          | 8.76         | —                                | 16.88         | 21.64        | 4.0                              | 7.41          | 7.84         | —                                | 0.61          | 0.93         | —                                | 0.06          | 0.17         |
| 30         | 2.0                              | 1.36          | 1.75         | —                                | —             | —            | 1.0                              | 32.10         | 32.28        | —                                | 4.23          | 5.17         | 4.0                              | 0.41          | 0.68         | —                                | 0.06          | 0.16         |
| 31         | 8.0                              | 1.36          | 1.75         | —                                | —             | —            | —                                | 33.90         | 40.58        | —                                | —             | —            | 8.5                              | 2.62          | 2.86         | —                                | —             | —            |
| 計<br>Total | 228.0                            | 87.32         | 106.46       | 198.0                            | 35.09         | 57.14        | 106.0                            | 372.45        | 480.78       | 68.5                             | 506.30        | 533.20       | 169.5                            | 129.75        | 151.92       | 89.0                             | 51.11         | 51.91        |

| 項目<br>Item | 1 9 6 8 年                             |                 |               |                                       |                 |               |                                       |                 |               |                                       |                 |               |                                       |                 |               |                                       |                 |               |
|------------|---------------------------------------|-----------------|---------------|---------------------------------------|-----------------|---------------|---------------------------------------|-----------------|---------------|---------------------------------------|-----------------|---------------|---------------------------------------|-----------------|---------------|---------------------------------------|-----------------|---------------|
|            | 7 月 July                              |                 |               | 8 月 Aug.                              |                 |               | 9 月 Sep.                              |                 |               | 10 月 Oct.                             |                 |               | 11 月 Nov.                             |                 |               | 12 月 Dec.                             |                 |               |
|            | 降水量<br>Precipitation                  | 流 出 量<br>Runoff |               | 降水量<br>Precipitation                  | 流 出 量<br>Runoff |               | 降水量<br>Precipitation                  | 流 出 量<br>Runoff |               | 降水量<br>Precipitation                  | 流 出 量<br>Runoff |               | 降水量<br>Precipitation                  | 流 出 量<br>Runoff |               | 降水量<br>Precipitation                  | 流 出 量<br>Runoff |               |
|            | 露 場<br>Meteor-<br>ological<br>station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteor-<br>ological<br>station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteor-<br>ological<br>station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteor-<br>ological<br>station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteor-<br>ological<br>station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteor-<br>ological<br>station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 |
| 日<br>Day   |                                       |                 |               |                                       |                 |               |                                       |                 |               |                                       |                 |               |                                       |                 |               |                                       |                 |               |
| 1          | —                                     | 0.06            | 0.16          | 0.5                                   | 0.10            | 0.24          | 7.0                                   | 2.41            | 3.71          | —                                     | 0.19            | 0.11          | —                                     | 0.68            | 0.68          | 10.0                                  | 7.57            | 8.11          |
| 2          | —                                     | 0.07            | 0.16          | —                                     | 0.08            | 0.23          | 2.5                                   | 4.85            | 6.01          | —                                     | 0.13            | 0.10          | —                                     | 0.58            | 0.56          | 2.0                                   | 4.81            | 5.40          |
| 3          | —                                     | 0.13            | 0.18          | 2.0                                   | 0.10            | 0.21          | —                                     | 1.72            | 2.05          | 2.0                                   | 0.16            | 0.11          | —                                     | 0.52            | 0.45          | 6.0                                   | 3.85            | 4.13          |
| 4          | 0.5                                   | 0.05            | 0.16          | 2.5                                   | 0.12            | 0.20          | —                                     | 0.95            | 1.04          | —                                     | 0.19            | 0.10          | —                                     | 0.49            | 0.38          | 2.0                                   | 2.28            | 2.47          |
| 5          | 10.0                                  | 0.25            | 0.21          | —                                     | 0.15            | 0.21          | —                                     | 0.64            | 0.69          | 18.5                                  | 2.37            | 1.40          | —                                     | 0.47            | 0.34          | 12.0                                  | 7.61            | 7.97          |
| 6          | 0.5                                   | 0.41            | 0.27          | 1.0                                   | 0.09            | 0.18          | 2.5                                   | 0.59            | 0.56          | —                                     | 0.50            | 0.56          | 4.5                                   | 0.87            | 0.51          | 2.0                                   | 4.12            | 4.40          |
| 7          | —                                     | 0.09            | 0.16          | 1.0                                   | 0.09            | 0.16          | 3.0                                   | 0.57            | 0.51          | 4.5                                   | 0.37            | 0.34          | 0.5                                   | 0.68            | 0.44          | —                                     | 2.51            | 2.64          |
| 8          | 5.0                                   | 0.21            | 0.23          | —                                     | 0.09            | 0.13          | —                                     | 0.53            | 0.44          | —                                     | 0.20            | 0.25          | —                                     | 0.52            | 0.38          | —                                     | 1.69            | 1.79          |
| 9          | —                                     | 0.10            | 0.20          | —                                     | 0.07            | 0.11          | —                                     | 0.36            | 0.30          | 3.0                                   | 0.21            | 0.19          | 9.5                                   | 1.96            | 1.30          | 4.0                                   | 1.94            | 1.97          |
| 10         | 3.0                                   | 0.39            | 0.19          | 1.5                                   | 0.08            | 0.10          | 5.5                                   | 0.68            | 0.39          | —                                     | 0.26            | 0.20          | 25.0                                  | 9.63            | 9.60          | 6.0                                   | 7.02            | 7.18          |
| 11         | —                                     | 0.12            | 0.14          | 65.5                                  | 16.54           | 11.80         | —                                     | 0.34            | 0.33          | 3.0                                   | 0.15            | 0.15          | 18.0                                  | 14.43           | 15.89         | —                                     | 2.79            | 2.91          |
| 12         | —                                     | 0.07            | 0.11          | 2.0                                   | 4.40            | 3.70          | —                                     | 0.23            | 0.24          | 3.0                                   | 0.47            | 0.32          | 8.0                                   | 7.14            | 8.23          | 30.0                                  | 18.62           | 19.69         |
| 13         | —                                     | 0.07            | 0.11          | —                                     | 0.50            | 0.61          | —                                     | 0.20            | 0.20          | —                                     | 0.23            | 0.11          | 6.0                                   | 5.52            | 5.75          | 2.0                                   | 8.53            | 8.57          |
| 14         | 6.0                                   | 0.28            | 0.14          | —                                     | 0.23            | 0.30          | 3.0                                   | 0.20            | 0.19          | 4.5                                   | 0.50            | 0.36          | 20.0                                  | 15.53           | 15.62         | 16.0                                  | 10.70           | 10.16         |
| 15         | —                                     | 0.15            | 0.12          | —                                     | 0.16            | 0.22          | —                                     | 0.30            | 0.22          | —                                     | 0.27            | 0.29          | 4.0                                   | 6.15            | 6.63          | 40.0                                  | 12.46           | 12.15         |
| 16         | —                                     | 0.12            | 0.11          | 16.5                                  | 1.29            | 0.61          | —                                     | 0.20            | 0.20          | 0.5                                   | 0.22            | 0.22          | 10.0                                  | 8.25            | 8.00          | 20.0                                  | 29.74           | 29.69         |
| 17         | 43.5                                  | 5.00            | 1.46          | 1.0                                   | 1.79            | 1.87          | —                                     | 0.17            | 0.20          | 1.0                                   | 0.22            | 0.20          | 20.0                                  | 8.01            | 6.96          | 6.0                                   | 11.48           | 11.67         |
| 18         | 135.0                                 | 82.39           | 87.86         | 10.0                                  | 0.66            | 0.83          | —                                     | 0.16            | 0.16          | 17.0                                  | 2.74            | 2.62          | —                                     | 9.19            | 10.93         | —                                     | 6.35            | 6.17          |
| 19         | —                                     | 8.81            | 11.00         | 36.0                                  | 10.39           | 11.41         | —                                     | 0.16            | 0.16          | 0.5                                   | 0.97            | 1.08          | —                                     | 6.10            | 5.96          | —                                     | 3.85            | 3.59          |
| 20         | —                                     | 1.76            | 2.49          | 101.0                                 | 73.81           | 86.04         | 5.0                                   | 0.40            | 0.23          | —                                     | 0.48            | 0.45          | 2.0                                   | 4.46            | 4.27          | 6.0                                   | 4.23            | 3.43          |
| 21         | 3.5                                   | 0.96            | 1.43          | 51.5                                  | 59.50           | 65.16         | —                                     | 0.26            | 0.22          | —                                     | 0.39            | 0.31          | —                                     | 3.28            | 3.00          | —                                     | 7.92            | 7.04          |
| 22         | 20.5                                  | 7.20            | 8.26          | 0.5                                   | 7.46            | 9.61          | 2.0                                   | 0.24            | 0.22          | —                                     | 0.38            | 0.36          | —                                     | 2.32            | 1.87          | 18.0                                  | 4.08            | 3.66          |
| 23         | —                                     | 3.24            | 5.13          | 10.0                                  | 2.30            | 3.62          | —                                     | 0.18            | 0.19          | 7.0                                   | 0.61            | 0.31          | 2.0                                   | 2.33            | 1.71          | 28.0                                  | 3.08            | 2.78          |
| 24         | —                                     | 1.12            | 1.91          | 32.5                                  | 28.59           | 29.93         | —                                     | 0.15            | 0.14          | 5.5                                   | 1.83            | 1.22          | 4.0                                   | 3.04            | 2.59          | 6.0                                   | 2.38            | 2.26          |
| 25         | —                                     | 0.62            | 1.08          | —                                     | 4.97            | 5.25          | 2.5                                   | 0.15            | 0.11          | 7.0                                   | 2.68            | 1.86          | —                                     | 2.32            | 1.88          | 14.0                                  | 3.66            | 4.32          |
| 26         | —                                     | 0.37            | 0.68          | —                                     | 1.91            | 2.11          | 1.0                                   | 0.28            | 0.13          | 15.0                                  | 5.92            | 6.53          | —                                     | 1.97            | 1.42          | 4.0                                   | 13.31           | 9.09          |
| 27         | —                                     | 0.25            | 0.51          | —                                     | 1.08            | 1.18          | —                                     | 0.17            | 0.11          | 10.0                                  | 5.80            | 6.16          | 12.0                                  | 8.18            | 6.56          | 2.0                                   | 5.65            | 4.39          |
| 28         | —                                     | 0.18            | 0.39          | 76.5                                  | 38.56           | 38.19         | —                                     | 0.15            | 0.10          | —                                     | 1.99            | 2.51          | 2.0                                   | 3.66            | 2.99          | 2.0                                   | 3.95            | 3.03          |
| 29         | —                                     | 0.15            | 0.35          | 15.0                                  | 25.32           | 26.08         | —                                     | 0.15            | 0.10          | 4.0                                   | 1.83            | 2.08          | —                                     | 1.86            | 1.90          | 6.0                                   | 3.08            | 2.31          |
| 30         | —                                     | 0.13            | 0.30          | —                                     | 7.54            | 7.46          | 3.0                                   | 0.19            | 0.11          | —                                     | 1.12            | 1.27          | 12.0                                  | 5.34            | 5.41          | 6.0                                   | 2.77            | 2.02          |
| 31         | —                                     | 0.10            | 0.25          | 5.5                                   | 3.33            | 3.49          | —                                     | —               | —             | —                                     | 0.79            | 0.91          | —                                     | —               | —             | 26.0                                  | 2.34            | 1.85          |
| 計<br>Total | 227.5                                 | 114.85          | 125.75        | 432.0                                 | 291.30          | 311.24        | 37.0                                  | 17.58           | 19.26         | 106.0                                 | 34.17           | 32.58         | 159.5                                 | 135.48          | 132.21        | 276.0                                 | 204.37          | 196.84        |

Appendix-Table 1. (つづき) (Continued)

| 項目<br>Item | 1 9 6 9 年                     |                 |               |                               |                 |               |                               |                 |               |                               |                 |               |                               |                 |               |                               |                 |               |
|------------|-------------------------------|-----------------|---------------|-------------------------------|-----------------|---------------|-------------------------------|-----------------|---------------|-------------------------------|-----------------|---------------|-------------------------------|-----------------|---------------|-------------------------------|-----------------|---------------|
|            | 1 月 Jan.                      |                 |               | 2 月 Feb.                      |                 |               | 3 月 Mar.                      |                 |               | 4 月 Apr.                      |                 |               | 5 月 May                       |                 |               | 6 月 June                      |                 |               |
|            | 降水量<br>Precipitation          | 流 出 量<br>Runoff |               | 降水量<br>Precipitation          | 流 出 量<br>Runoff |               | 降水量<br>Precipitation          | 流 出 量<br>Runoff |               | 降水量<br>Precipitation          | 流 出 量<br>Runoff |               | 降水量<br>Precipitation          | 流 出 量<br>Runoff |               | 降水量<br>Precipitation          | 流 出 量<br>Runoff |               |
|            | 露 場<br>Meteorological station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 |
| 日<br>Day   |                               |                 |               |                               |                 |               |                               |                 |               |                               |                 |               |                               |                 |               |                               |                 |               |
| 1          | 6.0                           | 2.07            | 1.68          | 4.0                           | 17.72           | 22.14         | 4.0                           | 1.20            | 1.12          | —                             | 14.55           | 15.97         | —                             | 2.10            | 1.97          | —                             | 2.39            | 2.77          |
| 2          | 10.0                          | 2.05            | 1.59          | 2.0                           | 6.95            | 8.50          | 6.0                           | 1.20            | 1.09          | —                             | 12.94           | 14.76         | —                             | 1.49            | 1.25          | —                             | 0.98            | 1.24          |
| 3          | 10.0                          | 2.05            | 1.52          | —                             | 4.31            | 4.51          | —                             | 1.07            | 1.16          | —                             | 11.86           | 13.90         | —                             | 1.11            | 0.91          | 1.5                           | 0.85            | 0.96          |
| 4          | 28.0                          | 2.05            | 1.48          | 6.0                           | 3.94            | 3.93          | 10.0                          | 1.15            | 1.15          | 28.0                          | 32.00           | 32.99         | —                             | 0.89            | 0.71          | 0.5                           | 0.71            | 0.83          |
| 5          | 8.0                           | 2.01            | 1.48          | 12.0                          | 9.53            | 11.53         | 2.0                           | 1.13            | 1.10          | 2.0                           | 24.08           | 26.56         | 5.5                           | 1.06            | 0.73          | 13.0                          | 0.92            | 0.98          |
| 6          | 12.0                          | 1.84            | 1.47          | 10.0                          | 6.10            | 4.40          | —                             | 1.16            | 1.52          | 2.0                           | 12.41           | 13.11         | —                             | 0.97            | 0.82          | 17.0                          | 7.77            | 9.73          |
| 7          | 8.0                           | 1.73            | 1.37          | 4.0                           | 3.22            | 2.93          | 2.0                           | 2.33            | 5.92          | —                             | 16.20           | 18.08         | —                             | 0.62            | 0.53          | 12.0                          | 8.85            | 10.56         |
| 8          | 4.0                           | 1.64            | 1.35          | 4.0                           | 2.69            | 2.39          | 4.0                           | 2.16            | 3.56          | —                             | 24.85           | 23.82         | —                             | 0.50            | 0.42          | —                             | 6.86            | 5.88          |
| 9          | 4.0                           | 1.63            | 1.35          | 2.0                           | 2.03            | 2.09          | —                             | 5.44            | 9.10          | 12.0                          | 28.98           | 31.00         | —                             | 0.39            | 0.35          | —                             | 1.95            | 2.02          |
| 10         | 6.0                           | 1.63            | 1.30          | —                             | 2.51            | 2.55          | 6.0                           | 2.93            | 3.43          | 4.0                           | 20.10           | 21.00         | —                             | 0.35            | 0.32          | —                             | 1.05            | 1.05          |
| 11         | 2.0                           | 1.77            | 1.85          | 2.0                           | 8.39            | 9.95          | —                             | 2.17            | 2.32          | —                             | 16.20           | 16.15         | 6.0                           | 0.94            | 0.51          | —                             | 0.67            | 0.70          |
| 12         | 8.0                           | 1.82            | 1.66          | —                             | 9.19            | 8.56          | 14.0                          | 1.91            | 1.89          | —                             | 20.70           | 18.53         | —                             | 0.39            | 0.35          | 8.0                           | 1.38            | 0.98          |
| 13         | 8.0                           | 1.73            | 1.59          | 4.0                           | 13.48           | 11.98         | 6.0                           | 1.66            | 1.57          | —                             | 31.48           | 28.88         | 0.5                           | 0.31            | 0.28          | —                             | 0.86            | 0.64          |
| 14         | 10.0                          | 1.70            | 1.48          | 18.0                          | 15.69           | 14.36         | 8.0                           | 1.56            | 0.73          | 78.5                          | 81.79           | 67.26         | —                             | 0.23            | 0.21          | —                             | 0.48            | 0.45          |
| 15         | 10.0                          | 1.62            | 1.41          | —                             | 5.77            | 5.26          | 2.0                           | 1.53            | 0.83          | 16.5                          | 47.37           | 42.43         | 1.0                           | 0.22            | 0.22          | —                             | 0.42            | 0.38          |
| 16         | 6.0                           | 1.59            | 1.35          | 6.0                           | 3.59            | 3.39          | 2.0                           | 1.61            | 2.66          | —                             | 12.39           | 10.13         | 7.5                           | 0.76            | 0.45          | —                             | 0.35            | 0.30          |
| 17         | 20.0                          | 1.59            | 1.35          | 2.0                           | 2.76            | 2.53          | 6.0                           | 1.65            | 2.40          | 1.0                           | 6.57            | 5.12          | 6.5                           | 1.66            | 1.23          | —                             | 0.29            | 0.29          |
| 18         | 6.0                           | 1.70            | 1.50          | 2.0                           | 2.38            | 2.10          | —                             | 1.63            | 2.11          | 15.5                          | 7.88            | 6.32          | 9.5                           | 1.32            | 0.99          | —                             | 0.26            | 0.25          |
| 19         | 2.0                           | 3.69            | 4.58          | —                             | 2.41            | 2.61          | —                             | 2.86            | 5.48          | 1.0                           | 10.24           | 8.96          | 20.5                          | 5.44            | 4.41          | —                             | 0.24            | 0.23          |
| 20         | —                             | 4.25            | 5.22          | —                             | 2.26            | 2.32          | 22.0                          | 26.18           | 30.38         | —                             | 8.09            | 6.55          | 0.5                           | 4.76            | 6.38          | —                             | 0.21            | 0.20          |
| 21         | —                             | 3.57            | 3.13          | —                             | 2.03            | 2.06          | 14.0                          | 21.99           | 24.78         | 8.5                           | 9.76            | 7.34          | —                             | 1.13            | 1.41          | 4.0                           | 0.20            | 0.19          |
| 22         | 2.0                           | 2.99            | 2.81          | —                             | 1.85            | 1.90          | 10.0                          | 6.35            | 5.41          | 0.5                           | 7.50            | 5.74          | —                             | 0.71            | 0.85          | 9.5                           | 1.06            | 0.53          |
| 23         | 24.0                          | 2.98            | 2.93          | 6.0                           | 1.73            | 1.76          | 6.0                           | 4.05            | 3.53          | —                             | 5.21            | 3.79          | —                             | 0.53            | 0.66          | 5.0                           | 0.77            | 0.45          |
| 24         | —                             | 2.49            | 2.29          | 2.0                           | 1.59            | 1.58          | —                             | 3.38            | 3.30          | 27.0                          | 11.86           | 10.24         | 1.5                           | 0.39            | 0.50          | —                             | 0.59            | 0.35          |
| 25         | —                             | 2.30            | 1.93          | 8.0                           | 1.49            | 1.49          | —                             | 12.46           | 12.96         | 21.5                          | 28.27           | 26.67         | 28.0                          | 3.95            | 3.92          | 8.0                           | 1.07            | 0.56          |
| 26         | 14.0                          | 3.87            | 3.38          | 2.0                           | 1.43            | 1.40          | —                             | 23.50           | 19.65         | —                             | 7.86            | 6.68          | 16.0                          | 15.00           | 18.56         | 16.0                          | 3.10            | 2.59          |
| 27         | 2.0                           | 13.25           | 13.64         | 2.0                           | 1.33            | 1.28          | —                             | 39.12           | 34.80         | —                             | 3.63            | 3.02          | 3.5                           | 4.27            | 5.11          | 1.5                           | 1.90            | 2.08          |
| 28         | 4.0                           | 6.26            | 6.39          | 2.0                           | 1.24            | 1.17          | —                             | 23.57           | 19.10         | —                             | 2.39            | 1.78          | 0.5                           | 2.53            | 2.63          | —                             | 0.59            | 0.63          |
| 29         | —                             | 3.96            | 3.68          | —                             | —               | —             | 10.0                          | 17.52           | 18.89         | 3.0                           | 1.81            | 1.31          | —                             | 1.46            | 1.53          | 6.0                           | 1.21            | 0.95          |
| 30         | —                             | 3.04            | 2.93          | —                             | —               | —             | —                             | 19.20           | 19.08         | 10.5                          | 3.46            | 2.72          | —                             | 0.94            | 0.97          | —                             | 0.49            | 0.47          |
| 31         | 18.0                          | 7.41            | 6.60          | —                             | —               | —             | —                             | 14.80           | 18.18         | —                             | —               | —             | 14.5                          | 2.14            | 1.91          | —                             | —               | —             |
| 計<br>Total | 232.0                         | 92.28           | 86.30         | 100.0                         | 137.61          | 140.67        | 134.0                         | 248.47          | 259.20        | 231.5                         | 522.43          | 490.81        | 121.5                         | 58.56           | 62.09         | 102.0                         | 48.47           | 49.24         |

| 項目<br>Item | 1 9 6 9 年                        |                 |               |                                  |                 |               |                                  |                 |               |                                  |                 |               |                                  |                 |               |                                  |                 |               |
|------------|----------------------------------|-----------------|---------------|----------------------------------|-----------------|---------------|----------------------------------|-----------------|---------------|----------------------------------|-----------------|---------------|----------------------------------|-----------------|---------------|----------------------------------|-----------------|---------------|
|            | 7 月 July                         |                 |               | 8 月 Aug.                         |                 |               | 9 月 Sep.                         |                 |               | 10 月 Oct.                        |                 |               | 11 月 Nov.                        |                 |               | 12 月 Dec.                        |                 |               |
|            | 降水量<br>Precipitation             | 流 出 量<br>Runoff |               | 降水量<br>Precipitation             | 流 出 量<br>Runoff |               | 降水量<br>Precipitation             | 流 出 量<br>Runoff |               | 降水量<br>Precipitation             | 流 出 量<br>Runoff |               | 降水量<br>Precipitation             | 流 出 量<br>Runoff |               | 降水量<br>Precipitation             | 流 出 量<br>Runoff |               |
|            | 露 場<br>Meteorological<br>station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 |
| 1          | 39.5                             | 12.31           | 13.50         | 2.5                              | 4.94            | 4.43          | 0.5                              | 0.80            | 0.77          | 36.0                             | 9.81            | 11.01         | —                                | 0.56            | 0.92          | 4.0                              | 17.47           | 16.97         |
| 2          | 5.0                              | 6.50            | 8.70          | 20.5                             | 15.15           | 15.08         | 8.0                              | 1.07            | 1.01          | —                                | 1.25            | 1.81          | 2.0                              | 0.57            | 0.82          | 24.0                             | 12.32           | 12.08         |
| 3          | —                                | 1.83            | 2.43          | —                                | 4.68            | 4.35          | —                                | 0.61            | 0.65          | —                                | 0.56            | 0.87          | 2.0                              | 0.60            | 0.83          | 18.0                             | 12.68           | 11.97         |
| 4          | 4.0                              | 0.97            | 1.37          | 28.5                             | 17.41           | 15.57         | 4.5                              | 0.85            | 0.79          | —                                | 0.41            | 0.67          | 1.0                              | 0.69            | 0.92          | 8.0                              | 5.76            | 4.79          |
| 5          | 27.5                             | 8.42            | 9.55          | 36.0                             | 17.87           | 18.25         | 0.5                              | 0.88            | 0.93          | 0.5                              | 0.33            | 0.54          | 0.5                              | 0.49            | 0.72          | —                                | 4.37            | 4.89          |
| 6          | 0.5                              | 6.56            | 7.88          | 43.5                             | 61.93           | 62.71         | 13.5                             | 2.61            | 2.27          | —                                | 0.26            | 0.45          | 14.0                             | 3.77            | 4.00          | 2.0                              | 4.09            | 4.51          |
| 7          | —                                | 1.82            | 2.38          | 117.5                            | 104.05          | 92.65         | 10.0                             | 5.35            | 6.45          | —                                | 0.23            | 0.40          | —                                | 1.95            | 2.66          | 6.0                              | 14.28           | 12.96         |
| 8          | 7.0                              | 1.33            | 1.32          | 49.0                             | 63.11           | 47.46         | —                                | 1.21            | 1.52          | 45.5                             | 15.65           | 18.48         | 0.5                              | 1.14            | 1.57          | 14.0                             | 22.04           | 23.30         |
| 9          | 0.5                              | 1.32            | 1.49          | —                                | 12.93           | 8.53          | —                                | 0.70            | 0.86          | 11.0                             | 7.89            | 9.53          | —                                | 0.92            | 1.21          | 6.0                              | 6.51            | 5.49          |
| 10         | —                                | 0.64            | 0.79          | 0.5                              | 4.22            | 2.54          | —                                | 0.54            | 0.64          | 2.0                              | 3.55            | 4.69          | 26.0                             | 10.03           | 11.82         | 34.0                             | 3.96            | 3.23          |
| 11         | 1.5                              | 0.45            | 0.54          | 1.0                              | 2.24            | 1.55          | —                                | 0.41            | 0.49          | —                                | 1.70            | 2.13          | 7.5                              | 7.16            | 8.82          | —                                | 3.35            | 2.54          |
| 12         | 1.0                              | 0.59            | 0.53          | 14.0                             | 5.24            | 3.89          | —                                | 0.32            | 0.41          | —                                | 1.14            | 1.31          | 21.5                             | 18.81           | 20.65         | 24.0                             | 12.79           | 12.80         |
| 13         | 1.5                              | 0.73            | 0.60          | 8.0                              | 4.17            | 4.27          | —                                | 0.30            | 0.35          | —                                | 0.82            | 0.96          | —                                | 7.65            | 7.77          | 8.0                              | 7.15            | 6.42          |
| 14         | —                                | 0.42            | 0.42          | 13.0                             | 11.02           | 11.88         | 5.5                              | 0.33            | 0.33          | —                                | 0.72            | 0.73          | —                                | 3.14            | 3.22          | 8.0                              | 4.36            | 3.65          |
| 15         | —                                | 0.28            | 0.30          | —                                | 3.34            | 3.77          | 94.5                             | 61.39           | 66.23         | —                                | 0.62            | 0.62          | 9.0                              | 3.92            | 3.79          | 10.0                             | 3.26            | 2.54          |
| 16         | —                                | 0.21            | 0.25          | —                                | 1.24            | 1.69          | —                                | 6.79            | 6.39          | 21.5                             | 5.73            | 6.64          | 7.0                              | 3.59            | 3.98          | 4.0                              | 2.71            | 2.16          |
| 17         | —                                | 0.18            | 0.21          | —                                | 1.01            | 1.03          | —                                | 2.36            | 2.24          | —                                | 1.82            | 2.58          | 7.0                              | 9.16            | 9.36          | 20.0                             | 2.47            | 2.00          |
| 18         | —                                | 0.18            | 0.20          | —                                | 0.71            | 0.69          | 0.5                              | 1.25            | 1.54          | —                                | 0.94            | 1.36          | 7.5                              | 6.31            | 6.58          | 4.0                              | 2.30            | 1.86          |
| 19         | 9.5                              | 1.27            | 0.58          | —                                | 0.53            | 0.52          | 3.5                              | 1.46            | 1.73          | —                                | 0.64            | 0.98          | 3.5                              | 4.88            | 4.98          | 6.0                              | 2.12            | 1.68          |
| 20         | —                                | 0.56            | 0.32          | 13.0                             | 3.33            | 1.97          | 0.5                              | 0.77            | 0.93          | —                                | 0.49            | 0.79          | 2.0                              | 3.24            | 3.19          | 2.0                              | 2.05            | 1.61          |
| 21         | —                                | 0.43            | 21            | 12.0                             | 4.66            | 4.59          | —                                | 0.54            | 0.70          | —                                | 0.42            | 0.63          | —                                | 2.23            | 2.28          | 18.0                             | 3.53            | 3.90          |
| 22         | 0.5                              | 0.30            | 16            | —                                | 1.00            | 1.03          | —                                | 0.43            | 0.52          | 0.5                              | 0.39            | 0.50          | 2.0                              | 1.96            | 1.81          | 22.0                             | 30.17           | 28.29         |
| 23         | 2.0                              | 0.29            | 18            | 70.5                             | 40.93           | 44.51         | 3.0                              | 0.44            | 0.47          | —                                | 0.31            | 0.43          | 4.0                              | 1.57            | 1.58          | 4.0                              | 7.08            | 5.86          |
| 24         | —                                | 0.23            | 14            | 18.5                             | 24.54           | 22.60         | 1.0                              | 0.51            | 0.54          | —                                | 0.26            | 0.38          | 18.0                             | 11.62           | 11.91         | 2.0                              | 4.37            | 3.33          |
| 25         | —                                | 0.17            | 11            | —                                | 5.06            | 4.73          | —                                | 0.37            | 0.44          | 3.0                              | 0.43            | 0.53          | 4.0                              | 5.10            | 5.10          | 46.0                             | 3.45            | 2.59          |
| 26         | 18.5                             | 2.40            | 96            | 18.0                             | 9.56            | 9.33          | —                                | 0.31            | 0.39          | 4.5                              | 0.48            | 0.53          | —                                | 3.30            | 3.29          | 20.0                             | 3.37            | 2.53          |
| 27         | 87.0                             | 39.01           | 34.52         | 6.5                              | 5.78            | 5.64          | —                                | 0.25            | 0.34          | 19.0                             | 3.77            | 4.06          | 18.0                             | 2.62            | 2.51          | 2.0                              | 3.29            | 2.33          |
| 28         | 93.5                             | 64.84           | 80.97         | 8.0                              | 6.41            | 7.12          | 1.0                              | 0.25            | 0.29          | 6.0                              | 4.38            | 6.09          | —                                | 5.57            | 6.49          | 8.0                              | 3.10            | 2.10          |
| 29         | 114.5                            | 108.28          | 110.66        | 0.5                              | 2.36            | 2.46          | —                                | 0.25            | 0.28          | 0.5                              | 1.51            | 2.33          | —                                | 3.63            | 3.55          | 8.0                              | 2.75            | 1.96          |
| 30         | 122.0                            | 108.61          | 100.62        | —                                | 1.46            | 1.39          | 2.0                              | 0.27            | 0.27          | —                                | 0.96            | 1.52          | 24.0                             | 24.29           | 22.70         | —                                | 2.45            | 1.87          |
| 31         | 2.0                              | 39.87           | 43.06         | —                                | 1.01            | 0.96          | —                                | —               | —             | —                                | 0.64            | 1.13          | —                                | —               | —             | —                                | 2.34            | 1.74          |
| 計<br>Total | 537.5                            | 411.00          | 424.88        | 481.0                            | 441.89          | 407.19        | 148.5                            | 93.62           | 100.77        | 150.0                            | 68.11           | 84.68         | 181.0                            | 150.47          | 159.03        | 332.0                            | 211.94          | 193.95        |

Appendix-Table 1. (つづき) (Continued)

| 項目<br>Item |       | 1 9 7 0 年                     |                 |              |                               |                 |              |                               |                 |              |                               |                 |              |                               |                 |              |                               |                 |              |
|------------|-------|-------------------------------|-----------------|--------------|-------------------------------|-----------------|--------------|-------------------------------|-----------------|--------------|-------------------------------|-----------------|--------------|-------------------------------|-----------------|--------------|-------------------------------|-----------------|--------------|
|            |       | 1 月 Jan.                      |                 |              | 2 月 Feb.                      |                 |              | 3 月 Mar.                      |                 |              | 4 月 Apr.                      |                 |              | 5 月 May                       |                 |              | 6 月 June                      |                 |              |
|            |       | 降水量<br>Precipitation          | 流 出 量<br>Runoff |              | 降水量<br>Precipitation          | 流 出 量<br>Runoff |              | 降水量<br>Precipitation          | 流 出 量<br>Runoff |              | 降水量<br>Precipitation          | 流 出 量<br>Runoff |              | 降水量<br>Precipitation          | 流 出 量<br>Runoff |              | 降水量<br>Precipitation          | 流 出 量<br>Runoff |              |
|            |       | 露 場<br>Meteorological station | 1号沢<br>No. 1    | 2号沢<br>No. 2 | 露 場<br>Meteorological station | 1号沢<br>No. 1    | 2号沢<br>No. 2 | 露 場<br>Meteorological station | 1号沢<br>No. 1    | 2号沢<br>No. 2 | 露 場<br>Meteorological station | 1号沢<br>No. 1    | 2号沢<br>No. 2 | 露 場<br>Meteorological station | 1号沢<br>No. 1    | 2号沢<br>No. 2 | 露 場<br>Meteorological station | 1号沢<br>No. 1    | 2号沢<br>No. 2 |
| 日<br>Day   |       |                               |                 |              |                               |                 |              |                               |                 |              |                               |                 |              |                               |                 |              |                               |                 |              |
| 1          | 4.0   | 2.14                          | 1.68            | 16.0         | 8.11                          | 6.33            | 4.0          | 2.18                          | 1.85            | —            | 9.76                          | 14.97           | —            | 11.50                         | 8.48            | 10.5         | 1.25                          | 0.58            |              |
| 2          | —     | 2.00                          | 1.59            | 16.0         | 4.27                          | 3.56            | 6.0          | 2.03                          | 1.71            | —            | 9.95                          | 14.71           | —            | 9.07                          | 7.21            | —            | 0.26                          | 0.21            |              |
| 3          | 2.0   | 1.83                          | 1.54            | 4.0          | 2.97                          | 2.53            | —            | 1.96                          | 2.88            | —            | 10.27                         | 15.06           | —            | 7.20                          | 5.78            | —            | 0.19                          | 0.19            |              |
| 4          | 2.0   | 1.73                          | 1.49            | 26.0         | 2.61                          | 2.12            | 6.0          | 1.86                          | 2.10            | —            | 15.78                         | 19.54           | —            | 5.11                          | 4.01            | —            | 0.16                          | 0.17            |              |
| 5          | 12.0  | 1.70                          | 1.43            | 6.0          | 2.32                          | 1.87            | 10.0         | 1.70                          | 1.70            | —            | 18.91                         | 23.28           | —            | 3.53                          | 2.78            | —            | 0.15                          | 0.14            |              |
| 6          | 12.0  | 1.67                          | 1.41            | 2.0          | 2.17                          | 1.70            | 10.0         | 1.63                          | 1.54            | —            | 23.21                         | 27.78           | —            | 2.77                          | 2.27            | —            | 0.15                          | 0.14            |              |
| 7          | —     | 1.63                          | 1.39            | —            | 2.04                          | 1.66            | 8.0          | 1.60                          | 1.45            | 10.0         | 29.89                         | 34.66           | 2.5          | 2.23                          | 1.64            | —            | 0.14                          | 0.14            |              |
| 8          | 2.0   | 1.63                          | 1.35            | 14.0         | 2.06                          | 2.16            | 4.0          | 1.60                          | 1.42            | —            | 26.83                         | 31.76           | —            | 1.74                          | 1.19            | —            | 0.14                          | 0.13            |              |
| 9          | —     | 1.63                          | 1.35            | 20.0         | 2.04                          | 3.43            | 18.0         | 1.52                          | 1.53            | —            | 25.53                         | 28.25           | —            | 1.25                          | 0.82            | —            | 0.14                          | 0.13            |              |
| 10         | 6.0   | 1.59                          | 1.34            | 4.0          | 2.26                          | 2.29            | 8.0          | 1.57                          | 2.09            | —            | 29.06                         | 32.22           | —            | 0.96                          | 0.49            | —            | 0.12                          | 0.11            |              |
| 11         | 8.0   | 1.59                          | 1.29            | 12.0         | 2.15                          | 1.93            | —            | 1.62                          | 2.87            | 8.0          | 18.68                         | 19.13           | 31.0         | 6.14                          | 4.85            | 0.5          | 0.11                          | 0.11            |              |
| 12         | 20.0  | 1.59                          | 1.32            | —            | 2.05                          | 2.08            | 4.0          | 1.62                          | 2.18            | 8.0          | 30.47                         | 29.84           | 3.5          | 5.37                          | 5.77            | —            | 0.11                          | 0.11            |              |
| 13         | 10.0  | 1.61                          | 1.48            | —            | 2.58                          | 4.53            | 2.0          | 1.56                          | 1.85            | —            | 16.67                         | 18.66           | —            | 1.67                          | 1.61            | —            | 0.10                          | 0.10            |              |
| 14         | 6.0   | 1.59                          | 1.37            | 4.0          | 2.95                          | 4.41            | —            | 1.47                          | 1.93            | —            | 17.74                         | 19.76           | —            | 0.98                          | 0.95            | —            | 0.08                          | 0.09            |              |
| 15         | —     | 1.61                          | 1.30            | —            | 2.65                          | 2.84            | —            | 1.38                          | 2.53            | —            | 21.20                         | 22.21           | —            | 0.76                          | 0.66            | —            | 0.08                          | 0.08            |              |
| 16         | 10.0  | 1.63                          | 1.23            | 6.0          | 2.19                          | 2.12            | 16.0         | 4.69                          | 14.60           | 5.0          | 21.53                         | 18.84           | —            | 0.60                          | 0.54            | 1.0          | 0.07                          | 0.09            |              |
| 17         | 10.0  | 1.62                          | 1.22            | —            | 2.41                          | 4.56            | 10.0         | 4.12                          | 5.39            | 28.0         | 54.37                         | 47.50           | 0.5          | 0.53                          | 0.49            | 9.0          | 0.42                          | 0.15            |              |
| 18         | 4.0   | 1.55                          | 1.18            | 10.0         | 10.78                         | 21.87           | —            | 2.87                          | 3.02            | —            | 22.91                         | 20.16           | —            | 0.41                          | 0.37            | 8.0          | 0.65                          | 0.15            |              |
| 19         | —     | 1.50                          | 1.22            | —            | 17.05                         | 22.64           | 4.0          | 2.30                          | 2.19            | —            | 26.35                         | 23.08           | —            | 0.37                          | 0.32            | 20.0         | 3.51                          | 1.79            |              |
| 20         | —     | 1.44                          | 1.18            | 6.0          | 13.76                         | 15.59           | 8.0          | 2.08                          | 2.30            | 3.5          | 27.87                         | 25.62           | 17.5         | 2.38                          | 1.74            | 2.5          | 1.14                          | 0.86            |              |
| 21         | 6.0   | 1.40                          | 1.18            | 2.0          | 14.45                         | 14.87           | 4.0          | 1.95                          | 2.21            | 0.5          | 19.67                         | 17.47           | —            | 0.78                          | 0.84            | —            | 0.58                          | 0.39            |              |
| 22         | 4.0   | 1.36                          | 1.18            | —            | 7.08                          | 6.92            | 2.0          | 1.89                          | 1.96            | —            | 20.59                         | 17.44           | —            | 0.47                          | 0.48            | —            | 0.29                          | 0.22            |              |
| 23         | 14.0  | 1.34                          | 1.18            | —            | 4.69                          | 4.65            | 18.0         | 1.77                          | 1.96            | —            | 20.97                         | 17.21           | —            | 0.39                          | 0.41            | —            | 0.21                          | 0.15            |              |
| 24         | 2.0   | 1.27                          | 1.18            | 6.0          | 3.51                          | 3.77            | 10.0         | 1.69                          | 1.91            | —            | 19.79                         | 15.26           | —            | 0.32                          | 0.35            | 0.5          | 0.14                          | 0.12            |              |
| 25         | 2.0   | 1.25                          | 1.18            | 14.0         | 2.92                          | 2.94            | —            | 1.62                          | 3.35            | —            | 20.88                         | 16.90           | —            | 0.28                          | 0.28            | 4.0          | 0.33                          | 0.14            |              |
| 26         | 4.0   | 1.30                          | 1.21            | 10.0         | 2.55                          | 2.49            | —            | 1.63                          | 2.85            | 3.5          | 28.24                         | 21.69           | —            | 0.28                          | 0.29            | 6.5          | 0.85                          | 0.37            |              |
| 27         | —     | 1.25                          | 1.22            | —            | 2.45                          | 2.37            | —            | 3.72                          | 9.62            | —            | 13.79                         | 10.63           | —            | 0.25                          | 0.27            | —            | 0.31                          | 0.18            |              |
| 28         | —     | 1.32                          | 1.37            | 6.0          | 2.38                          | 2.06            | —            | 4.17                          | 7.28            | 3.0          | 15.26                         | 11.95           | —            | 0.22                          | 0.22            | —            | 0.21                          | 0.13            |              |
| 29         | —     | 1.38                          | 1.49            | —            | —                             | —               | —            | 6.56                          | 9.68            | 1.5          | 16.60                         | 12.85           | —            | 0.20                          | 0.20            | —            | 0.15                          | 0.11            |              |
| 30         | 1.0   | 6.39                          | 18.07           | —            | —                             | —               | —            | 6.94                          | 10.68           | —            | 14.72                         | 12.92           | —            | 0.19                          | 0.18            | 0.5          | 0.12                          | 0.10            |              |
| 31         | 46.0  | 38.64                         | 45.83           | —            | —                             | —               | —            | 5.91                          | 8.70            | —            | —                             | —               | 3.5          | 0.19                          | 0.19            | —            | —                             | —               |              |
| 計<br>Total | 196.0 | 90.18                         | 102.45          | 184.0        | 129.45                        | 150.29          | 152.0        | 79.19                         | 117.33          | 71.0         | 647.54                        | 641.35          | 58.5         | 68.14                         | 55.68           | 63.0         | 12.16                         | 7.38            |              |

| 項目<br>Item | 1 9 7 0 年                     |                 |               |                               |                 |               |                               |                 |               |                               |                 |               |                               |                 |               |                               |                 |               |
|------------|-------------------------------|-----------------|---------------|-------------------------------|-----------------|---------------|-------------------------------|-----------------|---------------|-------------------------------|-----------------|---------------|-------------------------------|-----------------|---------------|-------------------------------|-----------------|---------------|
|            | 7 月 July                      |                 |               | 8 月 Aug.                      |                 |               | 9 月 Sep.                      |                 |               | 10 月 Oct.                     |                 |               | 11 月 Nov.                     |                 |               | 12 月 Dec.                     |                 |               |
|            | 降水量<br>Precipitation          | 流 出 量<br>Runoff |               | 降水量<br>Precipitation          | 流 出 量<br>Runoff |               | 降水量<br>Precipitation          | 流 出 量<br>Runoff |               | 降水量<br>Precipitation          | 流 出 量<br>Runoff |               | 降水量<br>Precipitation          | 流 出 量<br>Runoff |               | 降水量<br>Precipitation          | 流 出 量<br>Runoff |               |
|            | 露 場<br>Meteorological station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 |
| 1          | —                             | 0.12            | 0.10          | 82.5                          | 28.96           | 29.13         | —                             | 0.05            | 0.07          | 7.0                           | 6.81            | 10.01         | —                             | 1.84            | 2.86          | 18.0                          | 2.89            | 2.39          |
| 2          | —                             | 0.10            | 0.09          | —                             | 1.79            | 2.59          | 46.5                          | 8.21            | 4.88          | 3.0                           | 2.50            | 3.72          | 0.5                           | 1.09            | 1.71          | 10.0                          | 2.78            | 2.33          |
| 3          | —                             | 0.09            | 0.08          | 6.5                           | 1.06            | 1.20          | —                             | 0.83            | 1.06          | —                             | 1.45            | 2.00          | —                             | 0.83            | 1.21          | 10.0                          | 2.89            | 2.41          |
| 4          | —                             | 0.07            | 0.07          | 31.5                          | 15.72           | 19.17         | —                             | 0.20            | 0.23          | —                             | 0.88            | 1.18          | 12.5                          | 1.74            | 1.73          | 8.0                           | 2.89            | 2.17          |
| 5          | —                             | 0.05            | 0.07          | 31.5                          | 12.39           | 10.92         | 2.5                           | 0.15            | 0.19          | —                             | 0.66            | 0.81          | 15.5                          | 11.66           | 12.38         | —                             | 2.89            | 2.07          |
| 6          | 4.0                           | 0.16            | 0.09          | 2.5                           | 13.07           | 17.01         | —                             | 0.15            | 0.17          | —                             | 0.44            | 0.57          | 2.0                           | 4.48            | 5.20          | 2.0                           | 2.70            | 2.01          |
| 7          | —                             | 0.12            | 0.07          | —                             | 1.88            | 2.55          | —                             | 0.15            | 0.14          | —                             | 0.29            | 0.42          | 3.5                           | 2.80            | 3.21          | 12.0                          | 5.40            | 4.06          |
| 8          | —                             | 0.08            | 0.07          | —                             | 0.81            | 1.11          | —                             | 0.13            | 0.13          | —                             | 0.24            | 0.37          | 14.5                          | 5.26            | 5.63          | 22.0                          | 5.06            | 3.95          |
| 9          | —                             | 0.08            | 0.07          | —                             | 0.45            | 0.73          | 21.0                          | 1.25            | 0.37          | 56.0                          | 22.13           | 25.66         | —                             | 6.19            | 6.76          | 16.0                          | 3.51            | 2.92          |
| 10         | —                             | 0.06            | 0.07          | —                             | 0.29            | 0.57          | 9.5                           | 3.66            | 3.87          | —                             | 5.97            | 8.47          | 23.0                          | 10.09           | 11.41         | —                             | 2.92            | 2.49          |
| 11         | 8.5                           | 0.18            | 0.09          | —                             | 0.22            | 0.45          | —                             | 0.29            | 0.39          | 0.5                           | 1.63            | 2.22          | 23.0                          | 17.53           | 19.91         | —                             | 2.61            | 2.27          |
| 12         | 7.0                           | 0.89            | 0.24          | —                             | 0.17            | 0.34          | 27.5                          | 6.96            | 8.42          | 22.0                          | 9.29            | 9.13          | 1.0                           | 10.49           | 11.10         | 8.0                           | 5.39            | 4.39          |
| 13         | 2.5                           | 0.27            | 0.15          | —                             | 0.15            | 0.30          | —                             | 1.02            | 1.42          | —                             | 4.04            | 5.05          | 8.5                           | 4.38            | 3.83          | 22.0                          | 32.54           | 33.26         |
| 14         | —                             | 0.18            | 0.12          | 0.5                           | 0.14            | 0.26          | 15.0                          | 2.72            | 2.67          | —                             | 1.54            | 2.13          | 11.0                          | 12.94           | 12.35         | 8.0                           | 6.70            | 6.72          |
| 15         | —                             | 0.12            | 0.07          | 10.5                          | 0.60            | 0.47          | —                             | 1.25            | 1.88          | —                             | 1.02            | 1.35          | 9.5                           | 4.95            | 4.92          | 4.0                           | 4.13            | 3.76          |
| 16         | —                             | 0.10            | 0.06          | —                             | 0.43            | 0.37          | —                             | 0.53            | 0.77          | —                             | 0.64            | 0.92          | 2.0                           | 5.66            | 5.38          | —                             | 6.86            | 5.69          |
| 17         | 50.5                          | 8.30            | 8.53          | 8.0                           | 0.67            | 0.44          | 12.5                          | 1.52            | 1.25          | —                             | 0.49            | 0.73          | 2.0                           | 3.77            | 3.83          | 8.0                           | 21.92           | 21.30         |
| 18         | 29.5                          | 12.89           | 15.15         | —                             | 0.30            | 0.30          | —                             | 1.76            | 2.00          | 3.5                           | 0.53            | 0.67          | —                             | 2.51            | 2.56          | 2.0                           | 10.50           | 10.36         |
| 19         | 20.5                          | 12.46           | 15.53         | —                             | 0.20            | 0.22          | —                             | 0.73            | 0.72          | 0.5                           | 0.46            | 0.55          | 6.0                           | 3.40            | 3.45          | —                             | 5.08            | 4.64          |
| 20         | —                             | 1.56            | 2.21          | —                             | 0.17            | 0.17          | —                             | 0.51            | 0.45          | —                             | 0.29            | 0.41          | 22.0                          | 22.14           | 24.24         | —                             | 3.34            | 3.24          |
| 21         | 1.0                           | 0.68            | 0.97          | —                             | 0.16            | 0.16          | 6.0                           | 1.32            | 0.75          | 1.0                           | 0.23            | 0.35          | 6.0                           | 5.18            | 8.92          | —                             | 3.09            | 4.25          |
| 22         | —                             | 0.38            | 0.56          | 12.5                          | 0.34            | 0.25          | 14.5                          | 3.77            | 4.22          | —                             | 0.21            | 0.31          | 8.0                           | 3.32            | 3.37          | 20.0                          | 2.55            | 2.75          |
| 23         | —                             | 0.25            | 0.40          | —                             | 0.14            | 0.17          | 4.0                           | 1.36            | 1.93          | —                             | 0.18            | 0.29          | 4.0                           | 2.51            | 2.59          | 2.0                           | 2.29            | 2.27          |
| 24         | —                             | 0.18            | 0.32          | —                             | 0.11            | 0.15          | —                             | 0.72            | 1.19          | —                             | 0.17            | 0.29          | 6.0                           | 4.28            | 4.50          | 6.0                           | 2.00            | 2.01          |
| 25         | —                             | 0.15            | 0.28          | —                             | 0.09            | 0.13          | 24.0                          | 7.89            | 9.65          | 18.0                          | 1.74            | 1.23          | —                             | 3.99            | 4.16          | —                             | 1.79            | 1.78          |
| 26         | —                             | 0.14            | 0.23          | —                             | 0.09            | 0.13          | 0.5                           | 1.68            | 3.97          | 5.5                           | 2.94            | 3.16          | 2.0                           | 2.84            | 2.94          | 2.0                           | 1.67            | 1.65          |
| 27         | —                             | 0.13            | 0.18          | —                             | 0.10            | 0.12          | —                             | 0.82            | 1.39          | —                             | 1.23            | 1.56          | 4.0                           | 2.45            | 2.53          | 4.0                           | 1.63            | 1.52          |
| 28         | —                             | 0.11            | 0.18          | —                             | 0.09            | 0.10          | 0.5                           | 0.43            | 0.74          | 12.5                          | 3.87            | 3.34          | 10.0                          | 6.51            | 7.03          | 2.0                           | 1.86            | 1.47          |
| 29         | —                             | 0.10            | 0.18          | 1.5                           | 0.08            | 0.10          | 21.0                          | 5.00            | 5.93          | 32.0                          | 17.23           | 16.97         | 38.0                          | 4.35            | 4.55          | 14.0                          | 1.47            | 1.41          |
| 30         | —                             | 0.09            | 0.18          | —                             | 0.07            | 0.08          | 29.0                          | 15.62           | 19.43         | 6.5                           | 11.23           | 9.81          | 18.0                          | 3.23            | 3.04          | —                             | 1.54            | 1.92          |
| 31         | —                             | 0.08            | 0.18          | —                             | 0.07            | 0.07          | —                             | —               | —             | 3.5                           | 4.18            | 5.96          | —                             | —               | —             | 10.0                          | 1.57            | 1.85          |
| 計<br>Total | 123.5                         | 40.17           | 46.59         | 187.5                         | 80.81           | 89.76         | 234.0                         | 70.70           | 80.28         | 171.5                         | 104.51          | 119.64        | 252.5                         | 172.41          | 187.30        | 210.0                         | 154.46          | 145.31        |

Appendix-Table 1. (つづき) (Continued)

| 項目<br>Item | 1 9 7 1 年                        |                 |              |                                  |                 |              |                                  |                 |              |                                  |                 |              |                                  |                 |              |                                  |                 |              |
|------------|----------------------------------|-----------------|--------------|----------------------------------|-----------------|--------------|----------------------------------|-----------------|--------------|----------------------------------|-----------------|--------------|----------------------------------|-----------------|--------------|----------------------------------|-----------------|--------------|
|            | 1 月 Jan.                         |                 |              | 2 月 Feb.                         |                 |              | 3 月 Mar.                         |                 |              | 4 月 Apr.                         |                 |              | 5 月 May                          |                 |              | 6 月 June                         |                 |              |
|            | 降水量<br>Precipitation             | 流 出 量<br>Runoff |              | 降水量<br>Precipitation             | 流 出 量<br>Runoff |              | 降水量<br>Precipitation             | 流 出 量<br>Runoff |              | 降水量<br>Precipitation             | 流 出 量<br>Runoff |              | 降水量<br>Precipitation             | 流 出 量<br>Runoff |              | 降水量<br>Precipitation             | 流 出 量<br>Runoff |              |
|            | 露 場<br>Meteorological<br>station | 1号沢<br>No. 1    | 2号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1号沢<br>No. 1    | 2号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1号沢<br>No. 1    | 2号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1号沢<br>No. 1    | 2号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1号沢<br>No. 1    | 2号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1号沢<br>No. 1    | 2号沢<br>No. 2 |
| 日<br>Day   |                                  |                 |              |                                  |                 |              |                                  |                 |              |                                  |                 |              |                                  |                 |              |                                  |                 |              |
| 1          | 10.0                             | 1.60            | 1.76         | 2.0                              | 1.59            | 1.38         | —                                | 3.36            | 3.36         | 2.0                              | 23.31           | 22.65        | —                                | 1.49            | 1.11         | 39.0                             | 6.38            | 7.49         |
| 2          | 2.0                              | 1.57            | 1.61         | —                                | 1.54            | 1.32         | 2.0                              | 3.35            | 5.02         | 4.0                              | 25.31           | 28.57        | 16.5                             | 4.60            | 4.95         | 0.5                              | 2.33            | 2.95         |
| 3          | —                                | 1.50            | 1.54         | 8.0                              | 1.53            | 1.49         | 22.0                             | 4.10            | 4.22         | —                                | 15.47           | 17.98        | 19.5                             | 7.70            | 8.50         | 11.0                             | 1.63            | 1.66         |
| 4          | 4.0                              | 1.45            | 1.51         | 14.0                             | 1.57            | 1.44         | 22.0                             | 4.39            | 3.52         | —                                | 10.26           | 11.55        | 46.0                             | 47.94           | 49.46        | 14.5                             | 8.02            | 9.73         |
| 5          | 8.0                              | 1.40            | 1.50         | 6.0                              | 1.59            | 1.85         | 18.0                             | 3.39            | 2.70         | 2.0                              | 17.39           | 19.35        | —                                | 9.51            | 8.61         | —                                | 2.74            | 3.45         |
| 6          | 8.0                              | 1.34            | 1.43         | 2.0                              | 1.51            | 1.77         | 6.0                              | 2.57            | 2.18         | —                                | 14.40           | 14.35        | 27.5                             | 17.64           | 13.60        | —                                | 1.17            | 1.44         |
| 7          | 2.0                              | 1.30            | 1.37         | 4.0                              | 1.44            | 1.56         | 14.0                             | 2.11            | 1.90         | —                                | 12.26           | 13.67        | 8.5                              | 14.95           | 14.74        | —                                | 0.73            | 0.85         |
| 8          | 4.0                              | 1.30            | 1.35         | —                                | 1.38            | 1.41         | 16.0                             | 1.83            | 1.68         | —                                | 17.91           | 19.48        | 0.5                              | 7.14            | 6.20         | —                                | 0.54            | 0.58         |
| 9          | —                                | 1.30            | 1.32         | 2.0                              | 1.36            | 1.33         | —                                | 1.75            | 1.58         | 5.5                              | 20.49           | 22.35        | 0.5                              | 3.76            | 3.10         | —                                | 0.47            | 0.47         |
| 10         | —                                | 1.34            | 1.67         | 18.0                             | 1.36            | 1.23         | 18.0                             | 1.64            | 1.51         | 0.5                              | 15.31           | 16.39        | —                                | 2.35            | 2.01         | 24.5                             | 1.85            | 1.81         |
| 11         | 2.0                              | 1.33            | 1.57         | 2.0                              | 1.41            | 1.18         | —                                | 1.55            | 1.36         | —                                | 9.07            | 9.87         | —                                | 1.59            | 1.43         | 21.0                             | 16.13           | 16.66        |
| 12         | —                                | 1.46            | 1.82         | —                                | 1.36            | 1.85         | —                                | 1.48            | 1.33         | —                                | 12.89           | 13.38        | —                                | 1.24            | 1.09         | 3.5                              | 4.13            | 4.61         |
| 13         | 14.0                             | 1.61            | 1.97         | 2.0                              | 1.35            | 1.97         | 8.0                              | 1.47            | 1.29         | —                                | 17.92           | 19.64        | 0.5                              | 0.98            | 0.91         | —                                | 1.83            | 2.12         |
| 14         | 2.0                              | 1.56            | 1.93         | —                                | 1.30            | 1.71         | 2.0                              | 1.43            | 1.32         | —                                | 17.99           | 16.44        | —                                | 0.79            | 0.75         | —                                | 1.12            | 1.34         |
| 15         | 10.0                             | 1.51            | 1.80         | 16.0                             | 1.51            | 1.67         | 14.0                             | 1.41            | 1.30         | —                                | 10.90           | 10.80        | —                                | 0.75            | 0.62         | —                                | 0.73            | 0.87         |
| 16         | 4.0                              | 1.47            | 1.71         | 2.0                              | 3.47            | 3.04         | 14.0                             | 1.39            | 1.55         | 10.0                             | 16.02           | 15.72        | —                                | 0.61            | 0.51         | 1.0                              | 0.62            | 0.60         |
| 17         | 2.0                              | 1.48            | 1.66         | 10.0                             | 9.32            | 10.70        | 4.0                              | 1.95            | 5.23         | 9.5                              | 18.43           | 16.73        | 0.5                              | 0.58            | 0.47         | 14.0                             | 2.39            | 1.95         |
| 18         | —                                | 2.65            | 2.57         | 4.0                              | 8.07            | 8.05         | 10.0                             | 2.20            | 3.14         | —                                | 10.42           | 10.42        | —                                | 0.53            | 0.41         | —                                | 1.12            | 1.26         |
| 19         | —                                | 2.89            | 2.61         | —                                | 5.07            | 6.19         | —                                | 8.41            | 15.06        | —                                | 9.16            | 8.28         | —                                | 0.41            | 0.35         | —                                | 0.71            | 0.74         |
| 20         | —                                | 2.63            | 2.30         | —                                | 3.67            | 3.86         | —                                | 18.91           | 24.73        | —                                | 10.39           | 9.80         | —                                | 0.40            | 0.30         | —                                | 0.53            | 0.50         |
| 21         | 6.0                              | 3.08            | 2.58         | 2.0                              | 2.93            | 3.17         | —                                | 23.19           | 25.43        | —                                | 9.87            | 8.64         | —                                | 0.36            | 0.26         | —                                | 0.43            | 0.41         |
| 22         | 2.0                              | 6.81            | 7.34         | 2.0                              | 4.02            | 4.55         | —                                | 25.71           | 30.91        | 7.0                              | 8.52            | 8.13         | —                                | 0.33            | 0.25         | 1.5                              | 0.37            | 0.36         |
| 23         | 10.0                             | 4.44            | 4.07         | 26.0                             | 29.03           | 31.78        | —                                | 8.71            | 8.48         | —                                | 6.38            | 5.97         | —                                | 0.30            | 0.24         | —                                | 0.38            | 0.32         |
| 24         | 4.0                              | 2.99            | 2.63         | 4.0                              | 8.13            | 7.69         | —                                | 7.51            | 10.03        | 10.5                             | 6.60            | 5.58         | 15.0                             | 1.06            | 0.46         | —                                | 0.29            | 0.27         |
| 25         | 2.0                              | 2.40            | 2.08         | 2.0                              | 4.04            | 3.77         | —                                | 8.36            | 10.81        | —                                | 4.30            | 3.68         | —                                | 0.87            | 0.60         | —                                | 0.23            | 0.25         |
| 26         | 2.0                              | 1.98            | 1.83         | 2.0                              | 3.30            | 5.01         | —                                | 7.79            | 8.49         | —                                | 3.72            | 2.91         | —                                | 0.41            | 0.28         | —                                | 0.19            | 0.20         |
| 27         | 4.0                              | 1.86            | 2.12         | —                                | 8.94            | 11.32        | —                                | 17.41           | 20.99        | —                                | 2.63            | 1.90         | 8.5                              | 0.87            | 0.37         | 22.5                             | 1.23            | 0.68         |
| 28         | 10.0                             | 1.75            | 1.90         | —                                | 5.45            | 5.49         | —                                | 28.15           | 31.34        | 0.5                              | 2.13            | 1.50         | —                                | 0.97            | 0.54         | 55.5                             | 39.09           | 37.47        |
| 29         | 10.0                             | 1.63            | 1.72         | —                                | —               | —            | 8.0                              | 48.01           | 51.45        | 5.0                              | 3.05            | 1.43         | —                                | 0.41            | 0.32         | 1.5                              | 3.19            | 3.42         |
| 30         | 8.0                              | 1.63            | 1.54         | —                                | —               | —            | 2.0                              | 24.50           | 26.51        | 2.5                              | 2.03            | 1.43         | —                                | 0.29            | 0.25         | —                                | 1.47            | 1.73         |
| 31         | 12.0                             | 1.63            | 1.46         | —                                | —               | —            | 16.0                             | 26.87           | 29.86        | —                                | —               | —            | —                                | 0.24            | 0.21         | —                                | —               | —            |
| 計<br>Total | 142.0                            | 62.89           | 64.27        | 130.0                            | 117.24          | 127.78       | 196.0                            | 294.90          | 338.28       | 59.0                             | 354.53          | 358.59       | 143.5                            | 131.07          | 122.90       | 210.0                            | 102.49          | 106.19       |

| 項目<br>Item | 1 9 7 1 年                        |                 |               |                                  |                 |               |                                  |                 |               |                                  |                 |               |                                  |                 |               |                                  |                 |               |
|------------|----------------------------------|-----------------|---------------|----------------------------------|-----------------|---------------|----------------------------------|-----------------|---------------|----------------------------------|-----------------|---------------|----------------------------------|-----------------|---------------|----------------------------------|-----------------|---------------|
|            | 7 月 July                         |                 |               | 8 月 Aug.                         |                 |               | 9 月 Sep.                         |                 |               | 10 月 Oct.                        |                 |               | 11 月 Nov.                        |                 |               | 12 月 Dec.                        |                 |               |
|            | 降水量<br>Precipitation             | 流 出 量<br>Runoff |               | 降水量<br>Precipitation             | 流 出 量<br>Runoff |               | 降水量<br>Precipitation             | 流 出 量<br>Runoff |               | 降水量<br>Precipitation             | 流 出 量<br>Runoff |               | 降水量<br>Precipitation             | 流 出 量<br>Runoff |               | 降水量<br>Precipitation             | 流 出 量<br>Runoff |               |
|            | 露 場<br>Meteorological<br>station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 |
| 日<br>Day   |                                  |                 |               |                                  |                 |               |                                  |                 |               |                                  |                 |               |                                  |                 |               |                                  |                 |               |
| 1          | —                                | 0.82            | 1.07          | —                                | 0.69            | 0.58          | —                                | 0.35            | 0.34          | 8.5                              | 3.89            | 4.03          | —                                | 5.11            | 5.06          | 2.0                              | 3.54            | 3.25          |
| 2          | 105.0                            | 51.03           | 53.86         | —                                | 0.50            | 0.43          | —                                | 0.25            | 0.25          | 2.5                              | 3.98            | 4.60          | —                                | 2.74            | 2.68          | 16.0                             | 12.98           | 12.69         |
| 3          | 60.0                             | 87.28           | 90.65         | —                                | 0.42            | 0.38          | —                                | 0.22            | 0.20          | —                                | 1.87            | 2.11          | —                                | 1.79            | 1.74          | 28.0                             | 37.69           | 39.90         |
| 4          | 1.0                              | 6.72            | 6.56          | —                                | 0.38            | 0.34          | 3.0                              | 0.25            | 0.21          | 1.0                              | 1.14            | 1.37          | —                                | 1.31            | 1.34          | —                                | 7.28            | 6.28          |
| 5          | 8.0                              | 3.72            | 3.96          | —                                | 0.31            | 0.29          | 12.0                             | 0.41            | 0.91          | 7.5                              | 2.22            | 2.16          | —                                | 1.00            | 1.03          | 14.0                             | 10.68           | 17.67         |
| 6          | —                                | 2.34            | 2.84          | —                                | 0.25            | 0.23          | —                                | 0.64            | 0.57          | —                                | 1.14            | 1.50          | 0.5                              | 0.91            | 0.91          | 28.0                             | 15.25           | 24.40         |
| 7          | —                                | 1.47            | 1.44          | —                                | 0.25            | 0.23          | —                                | 0.32            | 0.36          | —                                | 0.77            | 1.02          | 7.5                              | 1.21            | 1.21          | 30.0                             | 6.30            | 8.03          |
| 8          | 6.5                              | 1.24            | 1.28          | 5.0                              | 0.70            | 0.36          | —                                | 0.24            | 0.30          | —                                | 0.56            | 0.72          | 5.0                              | 2.52            | 2.31          | 2.0                              | 4.32            | 3.73          |
| 9          | —                                | 0.80            | 0.94          | —                                | 0.29            | 0.22          | —                                | 0.21            | 0.26          | —                                | 0.44            | 0.63          | 2.0                              | 1.38            | 1.62          | 4.0                              | 3.36            | 2.76          |
| 10         | 10.0                             | 0.90            | 0.82          | —                                | 0.21            | 0.18          | 40.0                             | 7.71            | 4.63          | —                                | 0.40            | 0.60          | 8.5                              | 3.12            | 3.50          | 4.0                              | 2.89            | 2.35          |
| 11         | 50.5                             | 31.78           | 35.35         | 20.5                             | 1.59            | 0.63          | 33.0                             | 23.36           | 28.74         | 14.5                             | 1.46            | 1.45          | —                                | 2.23            | 2.47          | 16.0                             | 11.28           | 7.53          |
| 12         | —                                | 4.12            | 4.00          | 114.0                            | 71.90           | 71.31         | 2.0                              | 4.46            | 5.30          | 2.0                              | 2.17            | 2.92          | —                                | 1.45            | 1.54          | 4.0                              | 10.74           | 9.11          |
| 13         | 14.5                             | 3.50            | 3.30          | 4.5                              | 12.35           | 13.00         | 0.5                              | 1.63            | 1.88          | —                                | 1.08            | 1.49          | —                                | 1.19            | 1.24          | —                                | 5.47            | 5.58          |
| 14         | —                                | 4.01            | 3.86          | —                                | 3.13            | 3.01          | —                                | 1.00            | 1.13          | —                                | 0.75            | 1.06          | 3.5                              | 1.27            | 1.16          | 28.0                             | 19.31           | 18.94         |
| 15         | 131.0                            | 96.71           | 99.40         | 22.5                             | 6.34            | 2.77          | 0.5                              | 0.77            | 0.81          | —                                | 0.53            | 0.69          | —                                | 1.01            | 1.08          | 2.0                              | 10.11           | 9.64          |
| 16         | 14.0                             | 33.11           | 31.29         | 1.0                              | 11.57           | 11.83         | —                                | 0.60            | 0.61          | 18.0                             | 3.69            | 3.48          | —                                | 0.78            | 0.82          | 40.0                             | 9.55            | 8.09          |
| 17         | 27.5                             | 27.04           | 24.29         | —                                | 2.32            | 2.07          | —                                | 0.46            | 0.48          | —                                | 2.89            | 3.73          | —                                | 0.73            | 0.73          | 4.0                              | 44.20           | 40.35         |
| 18         | 10.5                             | 11.05           | 10.43         | —                                | 1.36            | 1.11          | 0.5                              | 0.39            | 0.40          | —                                | 1.22            | 1.46          | —                                | 0.67            | 0.64          | 2.0                              | 23.70           | 24.37         |
| 19         | 18.5                             | 16.13           | 16.70         | 0.5                              | 0.87            | 0.76          | 4.5                              | 0.57            | 0.52          | —                                | 0.65            | 0.99          | —                                | 0.56            | 0.58          | 4.0                              | 14.62           | 13.57         |
| 20         | —                                | 6.77            | 6.31          | 50.0                             | 21.44           | 22.93         | —                                | 0.51            | 0.46          | —                                | 0.55            | 0.76          | 12.5                             | 1.87            | 1.54          | 2.0                              | 5.75            | 4.67          |
| 21         | —                                | 3.03            | 2.64          | —                                | 8.71            | 8.50          | —                                | 0.31            | 0.37          | —                                | 0.52            | 0.62          | 4.0                              | 3.68            | 3.94          | 4.0                              | 3.60            | 2.88          |
| 22         | 23.0                             | 16.88           | 14.19         | 3.5                              | 2.79            | 2.58          | —                                | 0.28            | 0.33          | 49.0                             | 19.43           | 21.92         | —                                | 1.68            | 1.68          | 8.0                              | 2.71            | 2.17          |
| 23         | 4.0                              | 8.83            | 7.67          | 0.5                              | 1.73            | 1.72          | 6.5                              | 0.46            | 0.35          | —                                | 9.84            | 11.32         | —                                | 1.28            | 1.21          | 2.0                              | 2.28            | 1.79          |
| 24         | —                                | 4.60            | 4.06          | 2.5                              | 1.56            | 1.45          | 17.5                             | 6.48            | 5.04          | 3.5                              | 3.35            | 3.50          | 32.0                             | 15.31           | 15.43         | —                                | 1.88            | 1.55          |
| 25         | —                                | 2.31            | 1.98          | —                                | 1.06            | 1.00          | —                                | 1.08            | 1.41          | 2.0                              | 1.94            | 2.18          | 18.0                             | 18.24           | 12.31         | 6.0                              | 2.10            | 1.90          |
| 26         | —                                | 1.57            | 1.25          | —                                | 0.67            | 0.64          | 17.5                             | 4.68            | 5.25          | 21.0                             | 9.39            | 10.90         | 2.0                              | 10.87           | 10.67         | —                                | 5.65            | 6.32          |
| 27         | 7.0                              | 1.20            | 1.10          | —                                | 0.49            | 0.49          | 10.0                             | 5.33            | 6.29          | 14.0                             | 9.06            | 10.59         | 16.0                             | 14.99           | 14.46         | 16.0                             | 14.40           | 13.81         |
| 28         | 8.5                              | 4.17            | 3.28          | —                                | 0.43            | 0.39          | 17.5                             | 8.31            | 9.63          | —                                | 5.91            | 6.56          | 10.0                             | 8.22            | 7.98          | 4.0                              | 6.50            | 5.68          |
| 29         | 5.5                              | 2.10            | 1.57          | 0.5                              | 0.40            | 0.35          | 24.5                             | 14.28           | 16.40         | 0.5                              | 2.80            | 2.93          | 10.0                             | 5.76            | 5.81          | —                                | 4.36            | 3.41          |
| 30         | —                                | 1.51            | 1.37          | 1.0                              | 0.40            | 0.32          | 0.5                              | 10.13           | 11.90         | 36.5                             | 22.16           | 22.60         | 8.0                              | 3.55            | 3.49          | —                                | 3.96            | 2.94          |
| 31         | —                                | 0.96            | 0.82          | 6.5                              | 0.83            | 0.62          | —                                | —               | —             | 8.0                              | 11.63           | 12.38         | —                                | —               | —             | —                                | 5.19            | 5.08          |
| 計<br>Total | 505.0                            | 437.70          | 438.28        | 232.5                            | 155.94          | 150.72        | 190.0                            | 96.72           | 105.32        | 188.5                            | 127.43          | 142.27        | 139.5                            | 116.61          | 110.18        | 270.0                            | 311.65          | 310.26        |

Appendix-Table 1. (つづき) (Continued)

| 項目<br>Item | 1 9 7 2 年                     |                 |              |                               |                 |              |                               |                 |              |                               |                 |              |                               |                 |              |                               |                 |              |
|------------|-------------------------------|-----------------|--------------|-------------------------------|-----------------|--------------|-------------------------------|-----------------|--------------|-------------------------------|-----------------|--------------|-------------------------------|-----------------|--------------|-------------------------------|-----------------|--------------|
|            | 1 月 Jan.                      |                 |              | 2 月 Feb.                      |                 |              | 3 月 Mar.                      |                 |              | 4 月 Apr.                      |                 |              | 5 月 May                       |                 |              | 6 月 June                      |                 |              |
|            | 降水量<br>Precipitation          | 流 出 量<br>Runoff |              | 降水量<br>Precipitation          | 流 出 量<br>Runoff |              | 降水量<br>Precipitation          | 流 出 量<br>Runoff |              | 降水量<br>Precipitation          | 流 出 量<br>Runoff |              | 降水量<br>Precipitation          | 流 出 量<br>Runoff |              | 降水量<br>Precipitation          | 流 出 量<br>Runoff |              |
|            | 露 場<br>Meteorological station | 1号沢<br>No. 1    | 2号沢<br>No. 2 | 露 場<br>Meteorological station | 1号沢<br>No. 1    | 2号沢<br>No. 2 | 露 場<br>Meteorological station | 1号沢<br>No. 1    | 2号沢<br>No. 2 | 露 場<br>Meteorological station | 1号沢<br>No. 1    | 2号沢<br>No. 2 | 露 場<br>Meteorological station | 1号沢<br>No. 1    | 2号沢<br>No. 2 | 露 場<br>Meteorological station | 1号沢<br>No. 1    | 2号沢<br>No. 2 |
| 日<br>Day   |                               |                 |              |                               |                 |              |                               |                 |              |                               |                 |              |                               |                 |              |                               |                 |              |
| 1          | 10.0                          | 7.08            | 5.98         | 6.0                           | 2.48            | 2.07         | —                             | 3.02            | 2.48         | 10.0                          | 8.10            | 8.31         | 6.0                           | 1.11            | 1.05         | —                             | 0.50            | 0.47         |
| 2          | 2.0                           | 4.70            | 3.82         | 6.0                           | 8.69            | 8.98         | 2.0                           | 3.09            | 4.14         | —                             | 8.01            | 9.38         | 7.5                           | 2.33            | 2.65         | —                             | 0.46            | 0.39         |
| 3          | —                             | 3.14            | 2.49         | —                             | 4.42            | 4.25         | 12.0                          | 3.22            | 3.77         | —                             | 5.99            | 5.10         | —                             | 1.22            | 1.63         | —                             | 0.41            | 0.33         |
| 4          | 10.0                          | 3.27            | 2.49         | 4.0                           | 2.89            | 2.55         | 4.0                           | 3.69            | 3.30         | 2.0                           | 6.05            | 5.98         | 33.0                          | 9.30            | 7.76         | —                             | 0.40            | 0.29         |
| 5          | —                             | 5.90            | 5.60         | 2.0                           | 2.36            | 2.06         | 2.0                           | 3.70            | 3.89         | —                             | 4.29            | 4.49         | 10.0                          | 15.62           | 16.32        | —                             | 0.34            | 0.26         |
| 6          | —                             | 3.34            | 2.97         | —                             | 1.98            | 1.81         | 2.0                           | 3.23            | 3.22         | 5.0                           | 3.30            | 3.06         | 0.5                           | 5.87            | 6.45         | —                             | 0.32            | 0.25         |
| 7          | —                             | 2.50            | 2.10         | —                             | 1.67            | 1.54         | —                             | 3.92            | 4.81         | 8.5                           | 5.63            | 5.81         | —                             | 2.60            | 2.71         | 1.0                           | 0.24            | 0.24         |
| 8          | —                             | 2.12            | 1.85         | —                             | 1.46            | 1.31         | —                             | 5.48            | 7.20         | 4.0                           | 3.87            | 3.72         | 13.0                          | 3.20            | 2.33         | 11.0                          | 1.07            | 0.56         |
| 9          | —                             | 1.67            | 1.66         | —                             | 1.41            | 1.28         | —                             | 5.43            | 5.74         | —                             | 2.96            | 2.83         | —                             | 3.28            | 4.23         | 6.5                           | 0.83            | 0.56         |
| 10         | —                             | 1.47            | 1.48         | —                             | 1.38            | 1.13         | —                             | 3.93            | 3.63         | —                             | 2.08            | 2.27         | —                             | 1.61            | 1.80         | —                             | 0.66            | 0.62         |
| 11         | —                             | 2.00            | 1.74         | 2.0                           | 1.66            | 1.38         | —                             | 3.57            | 3.32         | —                             | 1.56            | 1.55         | —                             | 1.15            | 1.21         | 0.5                           | 0.36            | 0.40         |
| 12         | 12.0                          | 12.23           | 13.29        | —                             | 1.59            | 1.59         | —                             | 3.93            | 4.08         | 2.0                           | 1.54            | 1.32         | —                             | 0.86            | 0.86         | 12.5                          | 1.83            | 1.42         |
| 13         | 8.0                           | 16.66           | 19.21        | 16.0                          | 12.55           | 12.44        | 7.0                           | 3.49            | 3.47         | —                             | 1.26            | 1.05         | —                             | 0.69            | 0.57         | 3.5                           | 1.54            | 1.75         |
| 14         | —                             | 6.11            | 5.60         | 18.0                          | 21.53           | 22.76        | 8.0                           | 3.08            | 2.76         | —                             | 1.05            | 0.88         | 14.0                          | 2.53            | 1.32         | —                             | 0.56            | 0.49         |
| 15         | 14.0                          | 11.79           | 11.18        | —                             | 8.31            | 7.66         | 4.0                           | 2.87            | 2.60         | 25.0                          | 7.54            | 6.97         | 3.5                           | 1.96            | 1.99         | —                             | 0.35            | 0.27         |
| 16         | 6.0                           | 8.90            | 8.65         | —                             | 4.99            | 4.37         | —                             | 3.87            | 4.02         | —                             | 5.15            | 5.35         | 24.0                          | 6.13            | 6.39         | 6.5                           | 0.67            | 0.39         |
| 17         | —                             | 4.77            | 4.23         | —                             | 3.97            | 3.50         | —                             | 3.80            | 3.12         | 6.5                           | 4.93            | 4.30         | 4.5                           | 7.88            | 10.85        | 8.5                           | 1.11            | 0.54         |
| 18         | 4.0                           | 3.29            | 2.78         | —                             | 2.95            | 2.43         | —                             | 8.24            | 6.28         | 2.0                           | 4.47            | 4.35         | —                             | 2.32            | 2.94         | 1.0                           | 1.19            | 1.04         |
| 19         | 8.0                           | 9.00            | 8.72         | 4.0                           | 3.12            | 2.50         | 4.0                           | 9.92            | 7.52         | 2.5                           | 2.99            | 2.61         | —                             | 1.38            | 1.48         | 1.5                           | 0.42            | 0.43         |
| 20         | 6.0                           | 9.05            | 9.15         | 6.0                           | 2.18            | 1.89         | 64.0                          | 105.25          | 79.75        | 8.0                           | 5.07            | 4.82         | 38.0                          | 13.09           | 14.19        | 10.5                          | 1.04            | 0.56         |
| 21         | 36.0                          | 23.39           | 23.29        | 8.0                           | 1.75            | 1.52         | —                             | 11.57           | 11.84        | —                             | 2.79            | 2.77         | 11.0                          | 14.33           | 16.63        | 5.5                           | 2.92            | 3.50         |
| 22         | 8.0                           | 8.78            | 7.01         | —                             | 1.55            | 1.36         | —                             | 5.47            | 5.31         | —                             | 1.82            | 1.72         | —                             | 6.08            | 6.16         | —                             | 0.63            | 1.14         |
| 23         | 2.0                           | 4.62            | 3.37         | —                             | 1.55            | 1.47         | 28.0                          | 26.50           | 28.95        | 0.5                           | 1.98            | 1.61         | 3.0                           | 3.36            | 3.13         | —                             | 0.29            | 0.60         |
| 24         | 4.0                           | 3.38            | 2.42         | 6.0                           | 1.46            | 1.19         | 2.0                           | 17.82           | 18.80        | —                             | 1.54            | 1.39         | —                             | 1.86            | 1.76         | —                             | 0.22            | 0.32         |
| 25         | 22.0                          | 24.66           | 28.28        | —                             | 1.38            | 1.44         | —                             | 6.77            | 5.99         | 0.5                           | 1.21            | 1.07         | —                             | 1.27            | 1.14         | —                             | 0.17            | 0.27         |
| 26         | —                             | 8.28            | 7.41         | 16.0                          | 2.91            | 3.24         | —                             | 5.57            | 5.50         | 15.0                          | 4.81            | 3.42         | 5.0                           | 0.94            | 0.80         | —                             | 0.14            | 0.23         |
| 27         | —                             | 4.57            | 4.13         | 24.0                          | 27.22           | 27.95        | 4.0                           | 5.42            | 6.30         | 2.0                           | 3.82            | 3.94         | 9.0                           | 3.59            | 3.31         | 8.0                           | 0.33            | 0.32         |
| 28         | —                             | 3.03            | 2.55         | 28.0                          | 7.27            | 6.45         | —                             | 4.26            | 5.02         | —                             | 1.97            | 2.12         | —                             | 1.01            | 1.13         | 1.0                           | 0.24            | 0.30         |
| 29         | 12.0                          | 2.51            | 2.01         | 6.0                           | 4.00            | 3.46         | 12.0                          | 6.68            | 7.86         | —                             | 1.35            | 1.41         | 5.0                           | 0.81            | 0.82         | —                             | 0.20            | 0.33         |
| 30         | 2.0                           | 2.20            | 1.70         | —                             | —               | —            | 32.0                          | 29.73           | 32.80        | —                             | 0.97            | 1.08         | 2.5                           | 1.43            | 1.32         | 29.5                          | 5.26            | 5.05         |
| 31         | 12.0                          | 2.08            | 2.07         | —                             | —               | —            | 18.0                          | 17.04           | 17.48        | —                             | —               | —            | —                             | 0.64            | 0.72         | —                             | —               | —            |
| 計<br>Total | 178.0                         | 206.49          | 199.23       | 152.0                         | 140.68          | 135.58       | 205.0                         | 323.56          | 304.95       | 93.5                          | 108.10          | 104.68       | 189.5                         | 119.45          | 125.65       | 107.5                         | 24.70           | 23.32        |

| 項目<br>Item | 1 9 7 2 年                        |                 |               |                                  |                 |               |                                  |                 |               |                                  |                 |               |                                  |                 |               |                                  |                 |               |
|------------|----------------------------------|-----------------|---------------|----------------------------------|-----------------|---------------|----------------------------------|-----------------|---------------|----------------------------------|-----------------|---------------|----------------------------------|-----------------|---------------|----------------------------------|-----------------|---------------|
|            | 7 月 July                         |                 |               | 8 月 Aug.                         |                 |               | 9 月 Sep.                         |                 |               | 10 月 Oct.                        |                 |               | 11 月 Nov.                        |                 |               | 12 月 Dec.                        |                 |               |
|            | 降水量<br>Precipitation             | 流 出 量<br>Runoff |               | 降水量<br>Precipitation             | 流 出 量<br>Runoff |               | 降水量<br>Precipitation             | 流 出 量<br>Runoff |               | 降水量<br>Precipitation             | 流 出 量<br>Runoff |               | 降水量<br>Precipitation             | 流 出 量<br>Runoff |               | 降水量<br>Precipitation             | 流 出 量<br>Runoff |               |
|            | 露 場<br>Meteorological<br>station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 |
| 日<br>Day   |                                  |                 |               |                                  |                 |               |                                  |                 |               |                                  |                 |               |                                  |                 |               |                                  |                 |               |
| 1          | 1.5                              | 2.59            | 3.56          | 1.0                              | 0.20            | 0.20          | —                                | 2.19            | 3.40          | 13.5                             | 8.80            | 10.95         | 7.0                              | 6.13            | 8.64          | 38.0                             | 26.26           | 29.00         |
| 2          | —                                | 0.60            | 0.94          | 44.5                             | 11.52           | 8.98          | —                                | 0.99            | 1.81          | —                                | 3.69            | 5.46          | —                                | 3.31            | 4.74          | 4.0                              | 21.60           | 24.45         |
| 3          | —                                | 0.32            | 0.48          | 69.0                             | 29.90           | 36.17         | —                                | 0.67            | 1.19          | —                                | 1.55            | 2.33          | 2.0                              | 1.90            | 2.99          | —                                | 8.37            | 8.71          |
| 4          | —                                | 0.20            | 0.35          | 12.5                             | 16.41           | 19.82         | —                                | 0.46            | 0.85          | 11.0                             | 2.80            | 3.61          | —                                | 1.30            | 2.16          | 14.0                             | 13.82           | 16.40         |
| 5          | 24.0                             | 3.98            | 3.89          | —                                | 2.06            | 3.13          | —                                | 0.38            | 0.66          | 0.5                              | 1.53            | 2.32          | —                                | 0.87            | 1.57          | 18.0                             | 13.87           | 17.42         |
| 6          | 6.0                              | 1.55            | 2.18          | —                                | 0.85            | 1.45          | 11.0                             | 0.83            | 1.10          | —                                | 1.00            | 1.63          | 40.0                             | 16.33           | 21.15         | 18.0                             | 20.95           | 23.24         |
| 7          | 86.5                             | 62.13           | 63.05         | —                                | 0.64            | 0.83          | 10.0                             | 2.54            | 3.32          | 2.5                              | 0.83            | 1.32          | 5.0                              | 7.95            | 10.48         | 8.0                              | 8.77            | 8.51          |
| 8          | 140.0                            | 116.64          | 122.81        | 2.0                              | 0.49            | 0.68          | 8.5                              | 2.75            | 4.47          | —                                | 0.59            | 1.04          | 8.0                              | 5.12            | 7.31          | —                                | 5.31            | 5.69          |
| 9          | 16.0                             | 40.68           | 40.52         | —                                | 0.30            | 0.53          | 17.5                             | 5.15            | 6.45          | —                                | 0.43            | 0.80          | 2.0                              | 3.78            | 4.90          | —                                | 3.12            | 3.56          |
| 10         | 0.5                              | 4.49            | 5.17          | 13.0                             | 1.35            | 1.06          | 1.5                              | 5.12            | 8.11          | 0.5                              | 0.31            | 0.66          | 17.5                             | 12.16           | 14.71         | 2.0                              | 3.02            | 3.43          |
| 11         | 4.5                              | 2.39            | 2.83          | —                                | 0.62            | 0.87          | —                                | 1.25            | 2.32          | 0.5                              | 0.32            | 0.63          | —                                | 7.26            | 5.79          | —                                | 2.04            | 2.37          |
| 12         | 31.0                             | 13.18           | 15.45         | —                                | 0.24            | 0.48          | —                                | 0.67            | 1.34          | 2.0                              | 0.28            | 0.55          | 18.0                             | 5.04            | 5.95          | 14.0                             | 5.32            | 5.65          |
| 13         | 20.5                             | 16.52           | 18.62         | 78.5                             | 29.42           | 36.27         | —                                | 0.43            | 0.94          | 18.0                             | 4.12            | 5.56          | 12.0                             | 14.67           | 17.31         | 22.0                             | 3.64            | 4.15          |
| 14         | 4.5                              | 13.29           | 15.68         | 0.5                              | 15.81           | 20.31         | 2.5                              | 0.33            | 0.76          | —                                | 1.09            | 2.36          | 5.0                              | 4.36            | 5.25          | 14.0                             | 2.85            | 3.17          |
| 15         | —                                | 3.29            | 4.05          | —                                | 2.08            | 2.79          | 4.0                              | 0.51            | 0.84          | 7.5                              | 1.47            | 2.39          | 23.0                             | 17.45           | 19.46         | —                                | 2.41            | 2.75          |
| 16         | —                                | 1.45            | 1.75          | —                                | 0.95            | 1.42          | 17.5                             | 1.61            | 2.56          | 1.0                              | 1.25            | 2.23          | 30.0                             | 17.91           | 21.29         | 22.0                             | 12.15           | 11.46         |
| 17         | 1.5                              | 0.98            | 1.27          | —                                | 0.55            | 0.88          | 28.0                             | 10.81           | 18.00         | —                                | 0.61            | 1.32          | 22.5                             | 22.60           | 26.22         | 6.0                              | 20.78           | 22.68         |
| 18         | —                                | 0.61            | 0.88          | 7.5                              | 0.48            | 0.70          | 14.5                             | 12.83           | 18.54         | —                                | 0.41            | 0.98          | —                                | 9.08            | 10.31         | 12.0                             | 19.58           | 22.33         |
| 19         | —                                | 0.45            | 0.64          | 55.0                             | 22.89           | 28.20         | 6.5                              | 5.02            | 7.30          | 1.0                              | 0.33            | 0.76          | —                                | 6.92            | 3.94          | —                                | 6.23            | 6.40          |
| 20         | —                                | 0.36            | 0.50          | 0.5                              | 7.93            | 10.56         | 1.0                              | 3.02            | 4.80          | —                                | 0.24            | 0.62          | 14.0                             | 2.46            | 3.40          | 2.0                              | 3.38            | 3.84          |
| 21         | —                                | 0.27            | 0.39          | —                                | 1.87            | 2.71          | —                                | 1.38            | 2.68          | 10.5                             | 0.38            | 0.73          | 36.0                             | 26.71           | 18.38         | 4.0                              | 2.38            | 2.73          |
| 22         | —                                | 0.21            | 0.37          | —                                | 1.22            | 1.62          | —                                | 0.80            | 1.59          | 15.0                             | 5.53            | 8.70          | 6.0                              | 9.44            | 10.60         | —                                | 1.85            | 2.19          |
| 23         | —                                | 0.19            | 0.35          | —                                | 0.78            | 1.10          | —                                | 0.57            | 1.16          | 23.5                             | 9.94            | 14.12         | 4.0                              | 4.91            | 5.58          | —                                | 1.61            | 1.89          |
| 24         | —                                | 0.18            | 0.28          | —                                | 0.45            | 0.80          | 3.5                              | 0.76            | 1.19          | 1.0                              | 5.86            | 9.10          | 46.0                             | 24.35           | 27.87         | 20.0                             | 12.51           | 12.60         |
| 25         | —                                | 0.18            | 0.25          | 0.5                              | 0.36            | 0.62          | 5.0                              | 0.63            | 0.96          | 4.0                              | 2.60            | 4.16          | 28.0                             | 13.53           | 13.46         | —                                | 9.41            | 11.91         |
| 26         | —                                | 0.15            | 0.24          | 21.0                             | 4.03            | 6.12          | 28.5                             | 7.61            | 10.64         | 1.5                              | 1.71            | 2.81          | —                                | 12.58           | 11.39         | 4.0                              | 7.50            | 8.83          |
| 27         | —                                | 0.14            | 0.23          | 0.5                              | 0.83            | 1.97          | 18.0                             | 15.40           | 18.93         | 6.0                              | 2.42            | 3.86          | 28.0                             | 23.15           | 26.39         | —                                | 5.35            | 6.99          |
| 28         | —                                | 0.13            | 0.20          | 19.5                             | 8.54            | 8.52          | —                                | 2.90            | 4.09          | —                                | 1.29            | 2.31          | 12.0                             | 13.79           | 16.21         | —                                | 3.49            | 4.15          |
| 29         | 10.0                             | 0.40            | 0.28          | —                                | 1.49            | 2.37          | 14.5                             | 2.76            | 4.48          | —                                | 0.98            | 1.64          | 2.0                              | 7.70            | 8.02          | 26.0                             | 19.13           | 21.96         |
| 30         | —                                | 0.30            | 0.28          | 37.5                             | 16.24           | 20.19         | 3.5                              | 5.60            | 7.96          | 17.0                             | 3.59            | 4.78          | 24.0                             | 15.27           | 17.45         | 18.0                             | 7.81            | 8.40          |
| 31         | —                                | 0.21            | 0.23          | 6.5                              | 6.77            | 8.84          | —                                | —               | —             | 8.0                              | 4.56            | 8.48          | —                                | —               | —             | —                                | 3.78            | 4.33          |
| 計<br>Total | 346.5                            | 288.06          | 307.72        | 369.5                            | 187.27          | 230.19        | 195.5                            | 95.97           | 142.44        | 144.5                            | 70.51           | 108.21        | 392.0                            | 317.93          | 352.92        | 266.0                            | 278.29          | 311.19        |

Appendix-Table 1. (つづき) (Continued)

| 項目<br>Item | 1 9 7 3 年                        |               |              |                                  |               |              |                                  |               |              |                                  |               |              |                                  |               |              |                                  |               |              |
|------------|----------------------------------|---------------|--------------|----------------------------------|---------------|--------------|----------------------------------|---------------|--------------|----------------------------------|---------------|--------------|----------------------------------|---------------|--------------|----------------------------------|---------------|--------------|
|            | 1 月 Jan.                         |               |              | 2 月 Feb.                         |               |              | 3 月 Mar.                         |               |              | 4 月 Apr.                         |               |              | 5 月 May                          |               |              | 6 月 June                         |               |              |
|            | 降水量<br>Precipitation             | 流出量<br>Runoff |              | 降水量<br>Precipitation             | 流出量<br>Runoff |              | 降水量<br>Precipitation             | 流出量<br>Runoff |              | 降水量<br>Precipitation             | 流出量<br>Runoff |              | 降水量<br>Precipitation             | 流出量<br>Runoff |              | 降水量<br>Precipitation             | 流出量<br>Runoff |              |
|            | 露 場<br>Meteorological<br>station | 1号沢<br>No. 1  | 2号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1号沢<br>No. 1  | 2号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1号沢<br>No. 1  | 2号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1号沢<br>No. 1  | 2号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1号沢<br>No. 1  | 2号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1号沢<br>No. 1  | 2号沢<br>No. 2 |
| Day        |                                  |               |              |                                  |               |              |                                  |               |              |                                  |               |              |                                  |               |              |                                  |               |              |
| 1          | —                                | 2.82          | 3.23         | 3.5                              | 3.57          | 4.93         | 4.0                              | 3.39          | 3.77         | —                                | 11.94         | 12.58        | 1.5                              | 0.88          | 1.27         | —                                | 0.42          | 0.77         |
| 2          | 28.0                             | 14.33         | 16.19        | 2.0                              | 2.28          | 2.77         | 18.0                             | 2.58          | 2.78         | —                                | 7.60          | 9.17         | 18.5                             | 4.98          | 5.31         | —                                | 0.33          | 0.66         |
| 3          | 8.0                              | 5.77          | 6.28         | —                                | 1.83          | 2.22         | 4.0                              | 2.17          | 2.37         | —                                | 10.04         | 12.14        | 5.0                              | 6.27          | 7.83         | —                                | 0.24          | 0.50         |
| 4          | 4.0                              | 3.61          | 3.95         | —                                | 1.63          | 2.25         | 6.0                              | 1.88          | 2.09         | —                                | 7.15          | 8.04         | —                                | 2.84          | 3.69         | —                                | 0.19          | 0.43         |
| 5          | —                                | 2.72          | 2.99         | 2.0                              | 1.65          | 2.21         | 4.0                              | 1.63          | 1.97         | —                                | 9.14          | 11.96        | —                                | 1.68          | 2.29         | —                                | 0.15          | 0.38         |
| 6          | —                                | 2.17          | 2.61         | 20.0                             | 7.51          | 8.03         | —                                | 1.49          | 1.76         | —                                | 9.24          | 11.65        | —                                | 1.17          | 1.71         | —                                | 0.14          | 0.35         |
| 7          | 16.0                             | 2.00          | 2.27         | 18.0                             | 4.24          | 4.67         | 2.0                              | 1.45          | 1.91         | —                                | 15.22         | 16.74        | —                                | 0.83          | 1.22         | 16.5                             | 2.24          | 1.68         |
| 8          | 22.0                             | 15.63         | 15.05        | 10.0                             | 2.83          | 3.04         | 14.0                             | 1.37          | 1.92         | —                                | 17.81         | 20.89        | 6.0                              | 1.27          | 1.39         | 8.0                              | 2.61          | 3.14         |
| 9          | 8.0                              | 13.91         | 15.43        | 10.0                             | 2.07          | 2.40         | 2.0                              | 1.34          | 1.87         | —                                | 14.05         | 17.80        | —                                | 1.06          | 1.45         | —                                | 1.01          | 1.65         |
| 10         | 8.0                              | 8.49          | 7.89         | 10.0                             | 1.78          | 2.09         | —                                | 2.05          | 4.93         | —                                | 9.93          | 13.60        | 20.0                             | 3.95          | 4.71         | —                                | 0.48          | 0.86         |
| 11         | 10.0                             | 4.89          | 4.65         | —                                | 1.64          | 1.83         | —                                | 1.86          | 3.81         | 4.0                              | 10.14         | 14.14        | 4.0                              | 7.74          | 10.75        | —                                | 0.32          | 0.63         |
| 12         | —                                | 3.45          | 4.45         | 2.0                              | 1.54          | 1.73         | —                                | 2.86          | 5.41         | —                                | 8.05          | 10.80        | —                                | 2.26          | 3.22         | —                                | 0.23          | 0.48         |
| 13         | 2.0                              | 2.65          | 3.15         | 4.0                              | 1.60          | 2.90         | 8.0                              | 4.61          | 6.40         | —                                | 5.19          | 7.17         | —                                | 1.34          | 1.86         | 0.5                              | 0.20          | 0.43         |
| 14         | —                                | 2.14          | 2.65         | 8.0                              | 1.46          | 2.07         | 8.0                              | 3.20          | 4.07         | —                                | 3.57          | 5.21         | 0.5                              | 0.86          | 1.31         | —                                | 0.17          | 0.43         |
| 15         | —                                | 1.82          | 2.20         | 2.0                              | 2.21          | 4.49         | —                                | 3.22          | 5.83         | —                                | 2.96          | 3.96         | —                                | 0.64          | 0.93         | 4.0                              | 0.51          | 0.48         |
| 16         | —                                | 1.56          | 1.89         | 2.0                              | 1.98          | 2.95         | —                                | 2.93          | 5.12         | 19.0                             | 7.71          | 8.91         | —                                | 0.48          | 0.78         | —                                | 0.25          | 0.39         |
| 17         | 2.0                              | 1.41          | 1.72         | 6.0                              | 3.57          | 4.95         | —                                | 3.00          | 9.80         | 21.0                             | 26.83         | 30.28        | —                                | 0.39          | 0.64         | —                                | 0.18          | 0.32         |
| 18         | 18.0                             | 1.66          | 1.71         | 6.0                              | 16.95         | 18.96        | 10.0                             | 3.16          | 5.06         | 0.5                              | 6.54          | 7.43         | 4.5                              | 0.58          | 0.67         | —                                | 0.15          | 0.29         |
| 19         | —                                | 6.75          | 6.44         | 2.0                              | 9.65          | 11.05        | 6.0                              | 2.41          | 3.18         | —                                | 3.42          | 3.87         | 1.5                              | 0.37          | 0.56         | —                                | 0.13          | 0.26         |
| 20         | 8.0                              | 3.87          | 3.97         | 12.0                             | 16.29         | 18.88        | 10.0                             | 3.36          | 6.11         | —                                | 2.05          | 2.31         | 10.0                             | 1.57          | 1.49         | —                                | 0.11          | 0.24         |
| 21         | —                                | 2.96          | 3.36         | —                                | 6.51          | 7.11         | —                                | 12.12         | 16.28        | 20.0                             | 5.95          | 6.83         | —                                | 0.58          | 0.90         | —                                | 0.11          | 0.24         |
| 22         | —                                | 2.53          | 3.36         | —                                | 3.84          | 4.47         | 4.0                              | 9.31          | 12.81        | 6.0                              | 10.89         | 13.52        | 1.0                              | 0.48          | 0.79         | 36.0                             | 8.41          | 9.41         |
| 23         | —                                | 2.36          | 3.26         | 10.0                             | 9.98          | 12.77        | 8.0                              | 18.26         | 21.81        | —                                | 3.67          | 4.54         | 5.5                              | 1.23          | 1.52         | 12.5                             | 9.45          | 13.40        |
| 24         | 7.6                              | 4.48          | 4.55         | 20.0                             | 4.68          | 5.62         | 8.0                              | 13.75         | 15.98        | 11.5                             | 4.61          | 5.38         | —                                | 0.51          | 0.87         | 0.5                              | 1.19          | 2.30         |
| 25         | 2.0                              | 9.62          | 11.62        | 20.0                             | 3.10          | 3.58         | 8.0                              | 5.29          | 5.98         | —                                | 3.69          | 5.04         | —                                | 0.33          | 0.56         | —                                | 0.51          | 1.19         |
| 26         | 2.4                              | 4.97          | 5.41         | —                                | 2.32          | 2.62         | 8.0                              | 3.47          | 4.51         | 15.5                             | 8.82          | 10.71        | —                                | 0.24          | 0.50         | —                                | 0.30          | 0.75         |
| 27         | 2.4                              | 3.40          | 3.98         | 8.0                              | 2.91          | 4.33         | 8.0                              | 2.72          | 3.71         | —                                | 5.31          | 6.58         | —                                | 0.20          | 0.48         | —                                | 0.25          | 0.62         |
| 28         | 6.0                              | 2.45          | 2.96         | —                                | 5.03          | 6.87         | 8.0                              | 4.72          | 6.96         | —                                | 2.56          | 3.24         | 14.5                             | 1.78          | 1.47         | —                                | 0.20          | 0.57         |
| 29         | 17.1                             | 2.04          | 2.23         | —                                | —             | —            | 4.0                              | 13.39         | 15.31        | —                                | 1.68          | 2.16         | 10.5                             | 2.83          | 3.26         | —                                | 0.17          | 0.48         |
| 30         | 3.4                              | 1.72          | 1.95         | —                                | —             | —            | —                                | 22.34         | 28.05        | —                                | 1.10          | 1.51         | —                                | 2.83          | 4.32         | —                                | 0.15          | 0.39         |
| 31         | 10.2                             | 1.92          | 2.26         | —                                | —             | —            | —                                | 18.53         | 20.35        | —                                | —             | —            | —                                | 0.70          | 1.22         | —                                | —             | —            |
| 計<br>Total | 185.1                            | 140.10        | 153.66       | 177.5                            | 124.65        | 151.65       | 152.0                            | 173.86        | 231.91       | 97.5                             | 226.86        | 288.16       | 104.0                            | 52.87         | 68.97        | 78.0                             | 30.80         | 43.72        |

| 項目<br>Item |      | 1 9 6 9 年                        |                 |              |                                  |                 |              |                                  |                 |              |                                  |                 |              |                                  |                 |              |                                  |                 |              |  |
|------------|------|----------------------------------|-----------------|--------------|----------------------------------|-----------------|--------------|----------------------------------|-----------------|--------------|----------------------------------|-----------------|--------------|----------------------------------|-----------------|--------------|----------------------------------|-----------------|--------------|--|
|            |      | 7 月 July                         |                 |              | 8 月 Aug.                         |                 |              | 9 月 Sep.                         |                 |              | 10 月 Oct.                        |                 |              | 11 月 Nov.                        |                 |              | 12 月 Dec.                        |                 |              |  |
|            |      | 降水量<br>Precipitation             | 流 出 量<br>Runoff |              | 降水量<br>Precipitation             | 流 出 量<br>Runoff |              | 降水量<br>Precipitation             | 流 出 量<br>Runoff |              | 降水量<br>Precipitation             | 流 出 量<br>Runoff |              | 降水量<br>Precipitation             | 流 出 量<br>Runoff |              | 降水量<br>Precipitation             | 流 出 量<br>Runoff |              |  |
|            |      | 露 場<br>Meteorological<br>station | 1号沢<br>No. 1    | 2号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1号沢<br>No. 1    | 2号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1号沢<br>No. 1    | 2号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1号沢<br>No. 1    | 2号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1号沢<br>No. 1    | 2号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1号沢<br>No. 1    | 2号沢<br>No. 2 |  |
| Day        |      |                                  |                 |              |                                  |                 |              |                                  |                 |              |                                  |                 |              |                                  |                 |              |                                  |                 |              |  |
| 1          | —    | 0.13                             | 0.32            | 8.5          | 1.27                             | 0.79            | 44.0         | 14.80                            | 15.72           | 6.8          | 2.92                             | 4.74            | —            | 1.18                             | 1.65            | —            | 11.33                            | 12.83           |              |  |
| 2          | —    | 0.11                             | 0.31            | 78.5         | 39.98                            | 32.72           | 27.5         | 20.60                            | 25.72           | —            | 2.15                             | 3.95            | —            | 0.87                             | 1.36            | 6.0          | 5.93                             | 6.64            |              |  |
| 3          | —    | 0.11                             | 0.26            | 64.5         | 65.29                            | 60.12           | 30.5         | 24.65                            | 25.70           | 1.5          | 1.19                             | 2.10            | —            | 0.69                             | 1.24            | 30.0         | 20.24                            | 21.86           |              |  |
| 4          | —    | 0.11                             | 0.26            | 1.0          | 8.52                             | 15.05           | —            | 2.94                             | 5.18            | 4.5          | 0.94                             | 1.82            | 7.0          | 1.19                             | 1.74            | 6.0          | 6.60                             | 7.14            |              |  |
| 5          | —    | 0.09                             | 0.24            | 0.5          | 1.43                             | 3.11            | —            | 0.92                             | 2.02            | —            | 0.61                             | 1.19            | 1.5          | 1.21                             | 2.12            | 22.0         | 3.97                             | 4.44            |              |  |
| 6          | —    | 0.07                             | 0.20            | 41.5         | 24.50                            | 27.58           | —            | 0.51                             | 1.21            | —            | 0.42                             | 0.87            | —            | 0.80                             | 1.45            | 6.0          | 3.16                             | 3.70            |              |  |
| 7          | 5.0  | 0.35                             | 0.29            | —            | 3.73                             | 5.99            | 5.5          | 0.88                             | 1.25            | 10.6         | 1.16                             | 1.57            | 1.0          | 0.70                             | 1.20            | 24.0         | 2.94                             | 3.20            |              |  |
| 8          | —    | 0.25                             | 0.29            | —            | 0.95                             | 1.78            | 1.0          | 0.52                             | 1.00            | —            | 0.63                             | 1.30            | —            | 0.54                             | 0.97            | 24.0         | 2.72                             | 2.91            |              |  |
| 9          | 0.5  | 0.11                             | 0.22            | —            | 0.46                             | 1.04            | —            | 0.31                             | 0.73            | —            | 0.42                             | 0.86            | 6.5          | 0.55                             | 0.91            | 18.0         | 2.53                             | 2.70            |              |  |
| 10         | 0.5  | 0.10                             | 0.18            | —            | 0.30                             | 0.68            | 8.5          | 1.00                             | 1.24            | —            | 0.31                             | 0.70            | 20.5         | 8.27                             | 10.26           | 14.0         | 2.34                             | 2.52            |              |  |
| 11         | 26.0 | 4.00                             | 3.83            | —            | 0.20                             | 0.55            | 16.5         | 7.26                             | 9.02            | —            | 0.23                             | 0.55            | 21.5         | 18.23                            | 21.52           | —            | 2.26                             | 2.44            |              |  |
| 12         | —    | 0.28                             | 0.55            | —            | 0.15                             | 0.40            | 9.0          | 5.01                             | 7.98            | 19.7         | 1.80                             | 1.93            | 12.0         | 16.45                            | 17.68           | 8.0          | 2.21                             | 2.57            |              |  |
| 13         | —    | 0.16                             | 0.33            | —            | 0.11                             | 0.35            | 10.5         | 3.65                             | 5.38            | 34.1         | 25.87                            | 32.70           | 2.5          | 5.90                             | 6.04            | 8.0          | 2.23                             | 2.65            |              |  |
| 14         | —    | 0.14                             | 0.27            | —            | 0.09                             | 0.31            | 23.0         | 16.46                            | 22.29           | 2.1          | 5.22                             | 7.65            | 16.5         | 13.27                            | 13.68           | 28.0         | 2.42                             | 3.25            |              |  |
| 15         | —    | 0.09                             | 0.21            | —            | 0.09                             | 0.28            | 12.5         | 11.29                            | 13.50           | —            | 2.13                             | 3.24            | 3.0          | 6.39                             | 7.14            | 10.0         | 4.91                             | 5.52            |              |  |
| 16         | —    | 0.08                             | 0.19            | —            | 0.08                             | 0.26            | 0.5          | 4.08                             | 6.16            | —            | 1.18                             | 2.21            | 30.5         | 20.86                            | 22.66           | 16.0         | 5.22                             | 4.82            |              |  |
| 17         | —    | 0.06                             | 0.18            | —            | 0.07                             | 0.22            | 12.0         | 5.23                             | 6.63            | —            | 0.87                             | 1.71            | 31.0         | 31.56                            | 34.90           | 4.0          | 4.24                             | 3.68            |              |  |
| 18         | —    | 0.06                             | 0.18            | 29.5         | 2.50                             | 1.53            | —            | 2.08                             | 3.42            | —            | 0.60                             | 1.31            | 39.0         | 14.74                            | 14.59           | 18.0         | 3.27                             | 3.21            |              |  |
| 19         | —    | 0.05                             | 0.16            | —            | 0.78                             | 1.40            | 37.0         | 13.45                            | 15.64           | 2.1          | 0.52                             | 1.04            | 32.0         | 7.82                             | 7.70            | —            | 2.86                             | 2.88            |              |  |
| 20         | —    | 0.05                             | 0.16            | —            | 0.15                             | 0.43            | 28.5         | 37.39                            | 44.12           | —            | 0.45                             | 0.88            | 54.0         | 8.33                             | 7.74            | 2.0          | 2.62                             | 2.74            |              |  |
| 21         | —    | 0.04                             | 0.14            | —            | 0.09                             | 0.28            | 1.0          | 6.85                             | 8.54            | 8.6          | 1.12                             | 1.34            | 44.0         | 7.65                             | 7.25            | 32.0         | 12.91                            | 14.25           |              |  |
| 22         | —    | 0.03                             | 0.12            | 4.5          | 0.27                             | 0.30            | 14.0         | 4.78                             | 5.88            | 40.1         | 16.14                            | 20.69           | 22.0         | 10.74                            | 9.13            | 8.0          | 13.63                            | 14.41           |              |  |
| 23         | —    | 0.03                             | 0.12            | 0.5          | 0.25                             | 0.35            | 10.0         | 9.60                             | 12.50           | 5.2          | 10.07                            | 15.20           | —            | 13.74                            | 15.87           | 22.0         | 5.65                             | 3.65            |              |  |
| 24         | —    | 0.02                             | 0.11            | —            | 0.13                             | 0.22            | 17.0         | 13.72                            | 15.79           | 8.0          | 4.00                             | 5.17            | 20.0         | 15.81                            | 17.92           | 24.0         | 3.70                             | 3.81            |              |  |
| 25         | —    | 0.02                             | 0.11            | —            | 0.09                             | 0.24            | 1.0          | 9.25                             | 12.10           | 37.8         | 24.95                            | 30.36           | 14.0         | 20.02                            | 23.30           | —            | 2.86                             | 3.07            |              |  |
| 26         | —    | 0.02                             | 0.10            | —            | 0.08                             | 0.22            | 5.0          | 3.35                             | 4.36            | 4.0          | 10.75                            | 13.42           | 2.0          | 7.44                             | 7.84            | —            | 2.35                             | 2.75            |              |  |
| 27         | —    | 0.02                             | 0.09            | 0.5          | 0.06                             | 0.20            | 7.5          | 4.59                             | 6.39            | 16.0         | 5.37                             | 6.31            | 54.0         | 64.44                            | 73.41           | —            | 2.19                             | 2.53            |              |  |
| 28         | —    | 0.02                             | 0.09            | 17.0         | 1.68                             | 1.31            | 1.0          | 2.63                             | 4.07            | 24.1         | 20.09                            | 27.30           | 8.0          | 12.09                            | 13.16           | 10.0         | 2.32                             | 2.63            |              |  |
| 29         | —    | 0.02                             | 0.09            | 3.5          | 0.96                             | 1.28            | —            | 1.38                             | 2.51            | 2.3          | 9.30                             | 15.24           | 18.0         | 7.98                             | 8.82            | 16.0         | 2.61                             | 2.82            |              |  |
| 30         | 1.0  | 0.02                             | 0.11            | 0.5          | 0.45                             | 0.67            | 11.5         | 3.06                             | 4.11            | —            | 3.26                             | 4.21            | 34.0         | 52.41                            | 63.37           | 8.0          | 2.58                             | 2.69            |              |  |
| 31         | 30.0 | 2.79                             | 1.52            | —            | 0.17                             | 0.38            | —            | —                                | —               | —            | 1.76                             | 2.40            | —            | —                                | —               | 18.0         | 2.41                             | 2.59            |              |  |
| 計<br>Total |      | 63.0                             | 9.43            | 11.23        | 250.5                            | 142.54          | 161.84       | 334.5                            | 232.24          | 290.16       | 227.5                            | 156.43          | 213.66       | 494.5                            | 371.87          | 416.62       | 382.0                            | 147.21          | 159.08       |  |

Appendix-Table 1. (つづき) (Continued)

| 項目<br>Item |                                  | 1 9 6 9 年            |                 |                                  |                      |                 |                                  |                      |                 |                                  |                      |                 |                                  |                      |                 |                                  |                      |                 |  |
|------------|----------------------------------|----------------------|-----------------|----------------------------------|----------------------|-----------------|----------------------------------|----------------------|-----------------|----------------------------------|----------------------|-----------------|----------------------------------|----------------------|-----------------|----------------------------------|----------------------|-----------------|--|
|            |                                  | 1 月 Jan.             |                 |                                  | 2 月 Feb.             |                 |                                  | 3 月 Mar.             |                 |                                  | 4 月 Apr.             |                 |                                  | 5 月 May              |                 |                                  | 6 月 June             |                 |  |
|            |                                  | 降水量<br>Precipitation | 流 出 量<br>Runoff |                                  | 降水量<br>Precipitation | 流 出 量<br>Runoff |                                  | 降水量<br>Precipitation | 流 出 量<br>Runoff |                                  | 降水量<br>Precipitation | 流 出 量<br>Runoff |                                  | 降水量<br>Precipitation | 流 出 量<br>Runoff |                                  | 降水量<br>Precipitation | 流 出 量<br>Runoff |  |
| 日<br>Day   | 露 場<br>Meteorological<br>station | 1号沢<br>No. 1         | 2号沢<br>No. 2    | 露 場<br>Meteorological<br>station | 1号沢<br>No. 1         | 2号沢<br>No. 2    | 露 場<br>Meteorological<br>station | 1号沢<br>No. 1         | 2号沢<br>No. 2    | 露 場<br>Meteorological<br>station | 1号沢<br>No. 1         | 2号沢<br>No. 2    | 露 場<br>Meteorological<br>station | 1号沢<br>No. 1         | 2号沢<br>No. 2    | 露 場<br>Meteorological<br>station | 1号沢<br>No. 1         | 2号沢<br>No. 2    |  |
| 1          | 4.0                              | 2.23                 | 2.53            | 4.0                              | 1.24                 | 1.54            | 2.0                              | 1.60                 | 2.07            | 8.0                              | 48.15                | 31.20           | 1.0                              | 14.90                | 14.42           | —                                | 0.61                 | 0.96            |  |
| 2          | 10.0                             | 2.29                 | 2.61            | 10.0                             | 1.20                 | 1.54            | —                                | 1.50                 | 1.97            | 6.0                              | 10.51                | 12.81           | —                                | 18.01                | 20.00           | —                                | 0.40                 | 0.69            |  |
| 3          | —                                | 2.53                 | 2.92            | —                                | 1.20                 | 1.54            | 4.0                              | 1.55                 | 3.54            | —                                | 15.71                | 25.56           | —                                | 17.64                | 18.25           | —                                | 0.28                 | 0.54            |  |
| 4          | —                                | 2.43                 | 2.91            | 10.0                             | 1.20                 | 1.54            | 10.0                             | 2.84                 | 6.14            | 4.0                              | 31.29                | 42.25           | 2.0                              | 20.83                | 24.26           | —                                | 0.22                 | 0.47            |  |
| 5          | 21.5                             | 2.31                 | 2.70            | 6.0                              | 1.20                 | 1.54            | —                                | 9.06                 | 20.35           | 2.0                              | 23.28                | 29.17           | 1.0                              | 11.56                | 11.38           | 10.0                             | 1.02                 | 0.88            |  |
| 6          | 10.0                             | 2.03                 | 2.38            | —                                | 1.20                 | 1.54            | 22.0                             | 7.49                 | 9.44            | —                                | 20.96                | 27.54           | 0.5                              | 9.18                 | 8.83            | 33.0                             | 11.51                | 14.95           |  |
| 7          | 4.0                              | 1.93                 | 2.27            | 8.0                              | 1.17                 | 1.54            | —                                | 8.86                 | 10.29           | 6.0                              | 17.57                | 22.45           | —                                | 12.72                | 12.63           | 4.5                              | 4.78                 | 7.05            |  |
| 8          | 8.0                              | 1.78                 | 2.21            | 12.0                             | 1.15                 | 1.54            | —                                | 8.18                 | 12.13           | —                                | 19.60                | 23.97           | 0.5                              | 13.13                | 13.35           | —                                | 1.76                 | 2.97            |  |
| 9          | 6.0                              | 1.77                 | 2.35            | 6.0                              | 1.15                 | 1.54            | 10.0                             | 6.26                 | 8.38            | 3.0                              | 19.30                | 25.59           | 6.0                              | 14.82                | 14.22           | —                                | 1.01                 | 1.76            |  |
| 10         | 10.0                             | 1.77                 | 2.31            | 2.0                              | 1.15                 | 1.54            | 9.0                              | 10.87                | 14.74           | 8.5                              | 24.95                | 31.91           | —                                | 12.72                | 13.22           | —                                | 0.65                 | 1.18            |  |
| 11         | 12.0                             | 1.76                 | 2.16            | 16.0                             | 1.15                 | 1.48            | 10.0                             | 6.06                 | 6.67            | 4.0                              | 29.26                | 34.85           | —                                | 10.09                | 10.48           | 17.0                             | 4.28                 | 5.51            |  |
| 12         | 14.0                             | 1.70                 | 2.10            | 15.2                             | 1.15                 | 1.48            | 6.0                              | 3.87                 | 4.25            | —                                | 26.76                | 35.83           | —                                | 8.07                 | 8.50            | 1.0                              | 2.26                 | 3.67            |  |
| 13         | 6.0                              | 1.67                 | 2.06            | 19.8                             | 1.15                 | 1.48            | 6.0                              | 2.83                 | 3.45            | 9.0                              | 27.65                | 34.23           | —                                | 7.73                 | 7.73            | —                                | 0.96                 | 1.62            |  |
| 14         | 9.7                              | 1.59                 | 2.00            | 1.9                              | 1.15                 | 1.48            | 8.0                              | 2.42                 | 2.80            | 21.5                             | 75.81                | 63.07           | 4.0                              | 7.43                 | 6.82            | —                                | 0.57                 | 1.02            |  |
| 15         | 11.5                             | 1.54                 | 1.96            | 3.8                              | 1.15                 | 1.48            | 8.0                              | 2.72                 | 5.63            | —                                | 28.00                | 35.10           | 6.0                              | 8.19                 | 7.23            | —                                | 0.40                 | 0.78            |  |
| 16         | 14.0                             | 1.50                 | 1.94            | 1.7                              | 1.15                 | 1.57            | —                                | 3.67                 | 6.06            | 1.0                              | 16.86                | 17.78           | —                                | 4.71                 | 5.33            | —                                | 0.30                 | 0.61            |  |
| 17         | 4.6                              | 1.47                 | 1.89            | —                                | 1.29                 | 4.13            | —                                | 4.45                 | 8.95            | —                                | 28.44                | 39.30           | —                                | 3.78                 | 5.74            | 15.0                             | 0.98                 | 0.57            |  |
| 18         | 6.9                              | 1.47                 | 1.83            | —                                | 1.31                 | 3.93            | —                                | 6.08                 | 13.48           | 3.5                              | 23.23                | 28.78           | —                                | 2.98                 | 3.81            | 3.0                              | 2.73                 | 3.23            |  |
| 19         | 12.4                             | 1.38                 | 1.82            | —                                | 1.46                 | 4.52            | —                                | 4.82                 | 8.09            | —                                | 30.25                | 39.00           | —                                | 2.13                 | 3.31            | —                                | 0.58                 | 0.95            |  |
| 20         | —                                | 1.36                 | 1.76            | 4.0                              | 1.53                 | 3.90            | 2.0                              | 4.42                 | 6.57            | 2.5                              | 23.08                | 28.94           | 30.5                             | 11.17                | 12.94           | —                                | 0.36                 | 0.62            |  |
| 21         | 18.0                             | 1.36                 | 1.74            | —                                | 1.53                 | 2.88            | 2.0                              | 4.43                 | 5.83            | 29.0                             | 68.51                | 69.74           | —                                | 4.27                 | 5.95            | 22.0                             | 4.87                 | 5.58            |  |
| 22         | 8.0                              | 1.41                 | 1.74            | 54.0                             | 4.66                 | 10.39           | 20.0                             | 4.00                 | 4.69            | 1.0                              | 31.23                | 35.28           | —                                | 1.83                 | 2.96            | —                                | 2.03                 | 3.34            |  |
| 23         | 18.0                             | 1.41                 | 1.72            | —                                | 6.28                 | 8.73            | 10.0                             | 3.36                 | 3.77            | —                                | 22.95                | 26.43           | —                                | 1.28                 | 2.19            | 4.0                              | 0.94                 | 1.47            |  |
| 24         | 12.0                             | 1.38                 | 1.67            | 6.0                              | 3.60                 | 4.13            | 8.0                              | 2.73                 | 3.21            | —                                | 25.63                | 27.64           | 12.0                             | 3.25                 | 4.04            | 20.5                             | 7.66                 | 9.54            |  |
| 25         | 10.0                             | 1.36                 | 1.67            | 12.0                             | 2.61                 | 2.96            | —                                | 2.33                 | 3.06            | 1.0                              | 33.75                | 32.75           | —                                | 1.28                 | 2.16            | 1.0                              | 3.63                 | 5.30            |  |
| 26         | 12.0                             | 1.36                 | 1.67            | —                                | 2.13                 | 2.55            | —                                | 3.76                 | 9.44            | 14.0                             | 26.23                | 26.12           | 16.0                             | 5.58                 | 7.02            | —                                | 1.31                 | 2.27            |  |
| 27         | 4.0                              | 1.36                 | 1.67            | 10.0                             | 1.89                 | 2.40            | 6.0                              | 3.34                 | 5.10            | 23.0                             | 54.28                | 56.38           | 15.5                             | 8.81                 | 11.74           | 1.0                              | 0.72                 | 1.34            |  |
| 28         | 22.0                             | 1.30                 | 1.67            | —                                | 1.75                 | 2.22            | 4.0                              | 2.80                 | 3.91            | 7.5                              | 36.94                | 36.98           | —                                | 3.30                 | 4.65            | 1.0                              | 0.60                 | 1.11            |  |
| 29         | 2.0                              | 1.30                 | 1.65            | —                                | —                    | —               | —                                | 5.33                 | 10.04           | 1.0                              | 28.86                | 30.49           | —                                | 1.81                 | 2.53            | —                                | 0.49                 | 0.85            |  |
| 30         | 4.0                              | 1.30                 | 1.61            | —                                | —                    | —               | 2.0                              | 7.89                 | 12.36           | 3.5                              | 21.96                | 21.78           | —                                | 1.14                 | 1.59            | 1.0                              | 0.37                 | 0.69            |  |
| 31         | 8.0                              | 1.27                 | 1.57            | —                                | —                    | —               | 6.0                              | 15.34                | 21.62           | —                                | —                    | —               | 2.5                              | 0.91                 | 1.20            | —                                | —                    | —               |  |
| 計<br>Total | 282.6                            | 51.32                | 63.09           | 202.4                            | 48.80                | 77.11           | 155.0                            | 154.86               | 238.03          | 159.0                            | 891.00               | 992.92          | 97.5                             | 245.25               | 268.48          | 134.0                            | 58.28                | 81.52           |  |

| 項目<br>Item | 1 9 7 4 年                     |                 |               |                               |                 |               |                               |                 |               |                               |                 |               |                               |                 |               |                               |                 |               |
|------------|-------------------------------|-----------------|---------------|-------------------------------|-----------------|---------------|-------------------------------|-----------------|---------------|-------------------------------|-----------------|---------------|-------------------------------|-----------------|---------------|-------------------------------|-----------------|---------------|
|            | 7 月 July                      |                 |               | 8 月 Aug.                      |                 |               | 9 月 Sep.                      |                 |               | 10 月 Oct.                     |                 |               | 11 月 Nov.                     |                 |               | 12 月 Dec.                     |                 |               |
|            | 降水量<br>Precipitation          | 流 出 量<br>Runoff |               | 降水量<br>Precipitation          | 流 出 量<br>Runoff |               | 降水量<br>Precipitation          | 流 出 量<br>Runoff |               | 降水量<br>Precipitation          | 流 出 量<br>Runoff |               | 降水量<br>Precipitation          | 流 出 量<br>Runoff |               | 降水量<br>Precipitation          | 流 出 量<br>Runoff |               |
|            | 露 場<br>Meteorological station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 |
| 日<br>Day   |                               |                 |               |                               |                 |               |                               |                 |               |                               |                 |               |                               |                 |               |                               |                 |               |
| 1          | —                             | 0.29            | 0.58          | 33.5                          | 51.86           | 52.09         | 0.5                           | 0.09            | 0.23          | —                             | 1.55            | 3.28          | 9.0                           | 9.56            | 14.40         | —                             | 1.17            | 1.72          |
| 2          | 0.5                           | 0.22            | 0.54          | —                             | 4.71            | 5.57          | —                             | 0.08            | 0.22          | —                             | 0.64            | 1.38          | 0.5                           | 3.56            | 6.31          | —                             | 1.02            | 1.41          |
| 3          | 10.5                          | 1.48            | 1.46          | —                             | 1.89            | 2.34          | —                             | 0.07            | 0.22          | 5.5                           | 0.86            | 1.23          | 0.5                           | 1.77            | 3.03          | —                             | 0.90            | 1.21          |
| 4          | —                             | 0.52            | 0.86          | 6.5                           | 2.01            | 1.91          | 23.5                          | 2.87            | 2.34          | 21.0                          | 10.56           | 14.62         | 2.5                           | 1.57            | 2.23          | 2.0                           | 0.80            | 1.01          |
| 5          | —                             | 0.27            | 0.54          | 1.0                           | 1.36            | 1.90          | 0.5                           | 0.49            | 1.23          | 0.5                           | 2.15            | 4.48          | —                             | 0.97            | 1.57          | 4.0                           | 0.78            | 1.01          |
| 6          | —                             | 0.22            | 0.37          | 1.0                           | 0.88            | 1.12          | 3.5                           | 0.24            | 0.49          | —                             | 1.62            | 1.78          | —                             | 0.75            | 1.25          | 10.0                          | 0.78            | 1.01          |
| 7          | 6.5                           | 0.37            | 0.53          | 21.5                          | 6.96            | 8.85          | 17.0                          | 3.67            | 3.77          | 1.0                           | 1.59            | 1.33          | —                             | 0.62            | 1.04          | 4.0                           | 0.79            | 1.01          |
| 8          | 73.5                          | 53.38           | 58.85         | —                             | 2.64            | 4.03          | 2.5                           | 1.18            | 2.00          | 20.5                          | 4.31            | 3.62          | —                             | 0.53            | 0.88          | —                             | 0.83            | 1.01          |
| 9          | 68.5                          | 72.91           | 74.15         | —                             | 0.92            | 1.74          | 9.5                           | 3.10            | 3.29          | 8.5                           | 6.86            | 10.55         | —                             | 0.46            | 0.79          | —                             | 0.91            | 1.01          |
| 10         | 14.5                          | 16.12           | 17.43         | —                             | 0.61            | 1.00          | —                             | 1.07            | 1.63          | 0.5                           | 3.80            | 6.07          | —                             | 0.73            | 0.94          | 2.0                           | 0.93            | 1.05          |
| 11         | 3.5                           | 13.29           | 15.20         | —                             | 0.49            | 0.72          | —                             | 0.35            | 0.79          | —                             | 1.21            | 2.48          | 18.0                          | 1.92            | 2.47          | —                             | 1.35            | 1.75          |
| 12         | —                             | 5.23            | 6.08          | —                             | 0.41            | 0.57          | —                             | 0.20            | 0.52          | —                             | 0.59            | 1.53          | 20.0                          | 2.04            | 3.20          | 6.0                           | 1.27            | 1.52          |
| 13         | —                             | 2.71            | 3.27          | —                             | 0.33            | 0.49          | —                             | 0.12            | 0.39          | —                             | 0.40            | 1.06          | 6.0                           | 2.01            | 2.94          | 22.0                          | 1.80            | 1.94          |
| 14         | 1.0                           | 2.06            | 2.16          | —                             | 0.24            | 0.43          | —                             | 0.12            | 0.32          | 5.5                           | 0.38            | 0.80          | 2.0                           | 2.11            | 3.32          | 6.0                           | 8.43            | 9.97          |
| 15         | —                             | 1.32            | 1.58          | —                             | 0.18            | 0.36          | 3.0                           | 0.31            | 0.35          | 1.5                           | 1.04            | 1.49          | —                             | 2.65            | 4.18          | 8.0                           | 2.78            | 3.33          |
| 16         | —                             | 0.85            | 1.11          | —                             | 0.14            | 0.31          | —                             | 0.15            | 0.29          | —                             | 0.75            | 1.05          | —                             | 3.02            | 4.31          | 2.0                           | 1.98            | 2.36          |
| 17         | —                             | 0.55            | 0.87          | —                             | 0.13            | 0.29          | —                             | 0.09            | 0.24          | —                             | 0.27            | 0.85          | 44.0                          | 36.91           | 37.91         | 6.0                           | 1.69            | 2.14          |
| 18         | —                             | 0.38            | 0.67          | —                             | 0.11            | 0.28          | 5.0                           | 0.25            | 0.28          | 8.5                           | 0.83            | 1.20          | 32.0                          | 43.99           | 55.00         | 16.0                          | 1.67            | 2.09          |
| 19         | —                             | 0.34            | 0.52          | —                             | 0.10            | 0.24          | 1.5                           | 0.27            | 0.36          | 0.5                           | 1.34            | 2.81          | —                             | 7.44            | 9.82          | 10.0                          | 1.66            | 2.02          |
| 20         | 26.5                          | 7.60            | 8.07          | —                             | 0.10            | 0.21          | —                             | 0.12            | 0.25          | 4.5                           | 1.49            | 2.55          | —                             | 3.13            | 4.13          | 6.0                           | 1.59            | 1.97          |
| 21         | —                             | 0.79            | 1.53          | —                             | 0.10            | 0.20          | —                             | 0.10            | 0.24          | —                             | 0.71            | 1.71          | 50.0                          | 23.03           | 26.56         | 2.0                           | 1.56            | 1.90          |
| 22         | 3.5                           | 0.66            | 1.15          | —                             | 0.08            | 0.21          | —                             | 0.08            | 0.24          | 24.0                          | 7.70            | 9.34          | 28.0                          | 32.42           | 38.04         | —                             | 1.61            | 2.38          |
| 23         | —                             | 0.63            | 1.03          | 10.5                          | 0.29            | 0.31          | 4.5                           | 0.10            | 0.20          | 25.0                          | 19.31           | 28.66         | 2.0                           | 8.35            | 9.58          | —                             | 1.64            | 2.98          |
| 24         | —                             | 0.38            | 0.71          | —                             | 0.14            | 0.29          | 28.0                          | 7.03            | 8.90          | —                             | 4.04            | 7.43          | 18.0                          | 13.95           | 14.90         | 24.0                          | 11.86           | 12.12         |
| 25         | —                             | 0.25            | 0.55          | 25.0                          | 1.33            | 0.83          | —                             | 0.78            | 1.64          | —                             | 1.36            | 2.60          | —                             | 5.80            | 6.93          | 10.0                          | 7.47            | 8.67          |
| 26         | —                             | 0.19            | 0.46          | 5.0                           | 2.97            | 2.64          | —                             | 0.35            | 0.87          | —                             | 0.79            | 1.72          | 2.0                           | 3.82            | 4.44          | 6.0                           | 3.62            | 4.04          |
| 27         | —                             | 0.16            | 0.40          | 5.0                           | 0.90            | 1.05          | 6.0                           | 0.42            | 0.91          | 20.5                          | 7.08            | 8.75          | —                             | 2.38            | 3.15          | —                             | 2.51            | 2.83          |
| 28         | 51.0                          | 19.50           | 20.98         | —                             | 0.42            | 0.67          | 2.0                           | 1.00            | 1.53          | 0.5                           | 4.13            | 6.70          | 2.0                           | 2.11            | 2.61          | —                             | 2.31            | 3.94          |
| 29         | —                             | 4.69            | 7.11          | —                             | 0.18            | 0.39          | 2.0                           | 0.83            | 1.19          | —                             | 1.33            | 2.78          | —                             | 1.67            | 2.41          | —                             | 1.91            | 2.87          |
| 30         | 21.0                          | 4.69            | 6.31          | —                             | 0.13            | 0.29          | 17.5                          | 5.88            | 9.15          | 2.5                           | 1.15            | 1.98          | 2.0                           | 1.41            | 2.07          | —                             | 1.62            | 2.22          |
| 31         | 134.5                         | 112.78          | 122.00        | —                             | 0.11            | 0.26          | —                             | —               | —             | 23.0                          | 8.45            | 11.17         | —                             | —               | —             | —                             | 1.53            | 1.94          |
| 計<br>Total | 415.0                         | 324.83          | 357.07        | 109.0                         | 82.72           | 91.59         | 126.5                         | 31.41           | 44.08         | 173.5                         | 98.29           | 147.00        | 238.5                         | 220.68          | 270.41        | 146.0                         | 70.77           | 86.43         |

Appendix-Table 1. (つづき) (Continued)

| 項目<br>Item | 1 9 7 5 年                        |                 |              |                                  |                 |              |                                  |                 |              |                                  |                 |              |                                  |                 |              |                                  |                 |              |
|------------|----------------------------------|-----------------|--------------|----------------------------------|-----------------|--------------|----------------------------------|-----------------|--------------|----------------------------------|-----------------|--------------|----------------------------------|-----------------|--------------|----------------------------------|-----------------|--------------|
|            | 1 月 Jan.                         |                 |              | 2 月 Feb.                         |                 |              | 3 月 Mar.                         |                 |              | 4 月 Apr.                         |                 |              | 5 月 May                          |                 |              | 6 月 June                         |                 |              |
|            | 降水量<br>Precipitation             | 流 出 量<br>Runoff |              | 降水量<br>Precipitation             | 流 出 量<br>Runoff |              | 降水量<br>Precipitation             | 流 出 量<br>Runoff |              | 降水量<br>Precipitation             | 流 出 量<br>Runoff |              | 降水量<br>Precipitation             | 流 出 量<br>Runoff |              | 降水量<br>Precipitation             | 流 出 量<br>Runoff |              |
|            | 露 場<br>Meteorological<br>station | 1号沢<br>No. 1    | 2号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1号沢<br>No. 1    | 2号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1号沢<br>No. 1    | 2号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1号沢<br>No. 1    | 2号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1号沢<br>No. 1    | 2号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1号沢<br>No. 1    | 2号沢<br>No. 2 |
| 日<br>Day   |                                  |                 |              |                                  |                 |              |                                  |                 |              |                                  |                 |              |                                  |                 |              |                                  |                 |              |
| 1          | —                                | 1.42            | 1.86         | 2.0                              | 1.39            | 1.69         | 10.0                             | 1.00            | 1.46         | 14.0                             | 6.66            | 7.45         | —                                | 0.47            | 0.67         | 15.5                             | 2.23            | 1.72         |
| 2          | —                                | 1.33            | 1.65         | —                                | 1.39            | 2.03         | 2.0                              | 1.03            | 1.37         | —                                | 9.43            | 11.75        | 0.5                              | 0.38            | 0.57         | —                                | 0.40            | 0.59         |
| 3          | 6.0                              | 1.25            | 1.47         | —                                | 1.49            | 3.02         | —                                | 1.05            | 2.23         | —                                | 10.91           | 14.85        | 9.0                              | 0.75            | 0.62         | —                                | 0.24            | 0.39         |
| 4          | 2.0                              | 1.20            | 1.39         | 24.0                             | 2.10            | 2.83         | —                                | 1.05            | 1.87         | —                                | 23.81           | 27.58        | 22.0                             | 9.68            | 11.00        | 1.0                              | 0.20            | 0.37         |
| 5          | —                                | 1.17            | 1.38         | 2.0                              | 6.34            | 8.00         | 8.0                              | 1.05            | 1.87         | 26.0                             | 32.54           | 34.33        | 5.0                              | 5.19            | 6.47         | 14.0                             | 2.64            | 2.22         |
| 6          | —                                | 1.20            | 1.44         | —                                | 3.80            | 5.92         | 8.0                              | 1.08            | 1.82         | 14.0                             | 48.02           | 55.35        | 5.0                              | 2.72            | 3.64         | 1.5                              | 1.07            | 1.73         |
| 7          | —                                | 1.20            | 1.38         | 16.0                             | 7.13            | 8.49         | —                                | 1.33            | 2.72         | —                                | 27.97           | 30.27        | 0.5                              | 2.59            | 3.68         | —                                | 0.58            | 1.03         |
| 8          | 4.0                              | 1.32            | 1.41         | 18.0                             | 4.81            | 5.79         | —                                | 2.46            | 6.86         | 18.0                             | 41.34           | 42.37        | —                                | 1.29            | 2.00         | —                                | 0.32            | 0.61         |
| 9          | 10.0                             | 1.63            | 1.83         | 12.0                             | 3.01            | 3.65         | —                                | 7.83            | 16.87        | —                                | 22.68           | 28.12        | 2.5                              | 1.23            | 1.58         | —                                | 0.24            | 0.47         |
| 10         | 16.0                             | 1.27            | 1.64         | 14.0                             | 2.22            | 2.81         | 30.0                             | 15.11           | 17.36        | —                                | 17.88           | 17.88        | —                                | 0.93            | 1.35         | 0.5                              | 0.21            | 0.40         |
| 11         | 16.0                             | 1.21            | 1.50         | 6.0                              | 1.83            | 2.24         | 10.0                             | 11.56           | 11.72        | —                                | 14.80           | 27.32        | —                                | 0.63            | 0.97         | 4.0                              | 0.17            | 0.36         |
| 12         | 22.0                             | 1.15            | 1.41         | 8.0                              | 1.63            | 1.99         | —                                | 11.57           | 15.75        | —                                | 14.55           | 15.73        | —                                | 0.48            | 0.76         | 0.5                              | 0.26            | 0.37         |
| 13         | 4.0                              | 1.09            | 1.35         | 10.0                             | 1.46            | 1.85         | —                                | 8.20            | 11.27        | —                                | 11.05           | 11.83        | —                                | 0.37            | 0.59         | 1.0                              | 0.19            | 0.36         |
| 14         | 8.0                              | 1.05            | 1.35         | 2.0                              | 1.34            | 1.70         | —                                | 5.80            | 8.70         | —                                | 16.41           | 17.89        | 4.5                              | 0.69            | 0.78         | —                                | 0.14            | 0.32         |
| 15         | 2.0                              | 1.05            | 1.35         | —                                | 1.26            | 1.54         | —                                | 7.40            | 12.57        | —                                | 14.17           | 16.45        | 5.0                              | 0.72            | 0.73         | —                                | 0.12            | 0.31         |
| 16         | —                                | 1.05            | 1.35         | 8.0                              | 1.19            | 1.48         | —                                | 8.43            | 13.41        | —                                | 11.74           | 12.92        | 12.5                             | 2.26            | 1.56         | —                                | 0.10            | 0.29         |
| 17         | 6.0                              | 1.05            | 1.35         | 8.0                              | 1.13            | 1.41         | —                                | 7.59            | 10.81        | —                                | 9.78            | 12.07        | 7.5                              | 6.73            | 8.95         | 2.0                              | 0.10            | 0.27         |
| 18         | 4.0                              | 1.05            | 1.35         | —                                | 1.07            | 1.34         | —                                | 9.32            | 13.85        | —                                | 5.84            | 7.61         | —                                | 1.20            | 2.03         | 16.5                             | 2.96            | 2.33         |
| 19         | 2.0                              | 1.05            | 1.33         | —                                | 1.04            | 1.29         | —                                | 9.61            | 13.99        | —                                | 4.04            | 5.50         | 20.5                             | 6.19            | 7.26         | —                                | 0.38            | 0.63         |
| 20         | —                                | 1.09            | 1.68         | —                                | 1.00            | 1.29         | 18.0                             | 22.06           | 26.79        | —                                | 5.21            | 6.80         | 5.5                              | 10.53           | 13.42        | —                                | 0.24            | 0.40         |
| 21         | 8.0                              | 1.17            | 1.89         | —                                | 1.00            | 1.29         | 32.0                             | 36.40           | 41.10        | —                                | 3.98            | 4.91         | —                                | 2.96            | 4.12         | —                                | 0.18            | 0.33         |
| 22         | 15.0                             | 1.15            | 1.73         | —                                | 0.98            | 1.26         | 56.0                             | 70.88           | 76.45        | —                                | 2.78            | 3.57         | —                                | 1.50            | 2.03         | 2.0                              | 0.16            | 0.28         |
| 23         | 8.0                              | 1.10            | 1.67         | 10.0                             | 0.99            | 1.27         | 2.0                              | 22.74           | 26.28        | —                                | 2.28            | 2.95         | —                                | 0.93            | 1.24         | —                                | 0.16            | 0.24         |
| 24         | 26.0                             | 1.97            | 2.63         | 4.4                              | 1.05            | 1.29         | 2.0                              | 14.47           | 17.14        | —                                | 2.54            | 2.97         | —                                | 0.65            | 0.97         | 1.0                              | 0.13            | 0.21         |
| 25         | 2.0                              | 13.88           | 15.16        | 15.6                             | 1.05            | 1.68         | 19.0                             | 5.81            | 5.88         | —                                | 2.31            | 2.62         | —                                | 0.45            | 0.72         | 18.5                             | 2.57            | 2.27         |
| 26         | 2.0                              | 4.56            | 4.87         | 6.4                              | 1.05            | 1.75         | 2.0                              | 3.65            | 4.31         | —                                | 1.70            | 1.68         | 2.5                              | 0.48            | 0.64         | 3.5                              | 1.00            | 1.35         |
| 27         | 12.0                             | 2.97            | 3.52         | 10.0                             | 1.02            | 1.72         | 18.0                             | 3.31            | 4.06         | —                                | 1.15            | 1.11         | 0.5                              | 0.37            | 0.57         | 2.0                              | 1.04            | 1.44         |
| 28         | 8.0                              | 2.30            | 2.90         | 18.0                             | 1.00            | 1.62         | —                                | 4.80            | 6.53         | —                                | 0.81            | 0.88         | 0.5                              | 0.34            | 0.54         | —                                | 0.49            | 0.91         |
| 29         | 2.0                              | 1.93            | 2.51         | —                                | —               | —            | 12.0                             | 18.43           | 23.76        | 8.5                              | 1.68            | 1.44         | —                                | 0.28            | 0.44         | —                                | 0.22            | 0.51         |
| 30         | 6.0                              | 1.65            | 2.11         | —                                | —               | —            | 2.0                              | 22.26           | 25.99        | —                                | 0.82            | 1.11         | —                                | 0.24            | 0.36         | —                                | 0.18            | 0.39         |
| 31         | —                                | 1.47            | 1.86         | —                                | —               | —            | 12.0                             | 10.84           | 13.03        | —                                | —               | —            | —                                | 0.19            | 0.36         | —                                | —               | —            |
| 計<br>Total | 191.0                            | 57.98           | 70.32        | 194.4                            | 54.77           | 72.24        | 243.0                            | 348.12          | 437.85       | 80.5                             | 368.88          | 427.31       | 83.5                             | 63.42           | 80.62        | 83.5                             | 18.92           | 23.10        |

| 項目<br>Item | 1 9 7 5 年                        |                 |               |                                  |                 |               |                                  |                 |               |                                  |                 |               |                                  |                 |               |                                  |                 |               |
|------------|----------------------------------|-----------------|---------------|----------------------------------|-----------------|---------------|----------------------------------|-----------------|---------------|----------------------------------|-----------------|---------------|----------------------------------|-----------------|---------------|----------------------------------|-----------------|---------------|
|            | 7 月 July                         |                 |               | 8 月 Aug.                         |                 |               | 9 月 Sep.                         |                 |               | 10 月 Oct.                        |                 |               | 11 月 Nov.                        |                 |               | 12 月 Dec.                        |                 |               |
|            | 降水量<br>Precipitation             | 流 出 量<br>Runoff |               | 降水量<br>Precipitation             | 流 出 量<br>Runoff |               | 降水量<br>Precipitation             | 流 出 量<br>Runoff |               | 降水量<br>Precipitation             | 流 出 量<br>Runoff |               | 降水量<br>Precipitation             | 流 出 量<br>Runoff |               | 降水量<br>Precipitation             | 流 出 量<br>Runoff |               |
|            | 露 場<br>Meteorological<br>station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 |
| 1          | —                                | 0.12            | 0.27          | —                                | 0.10            | 0.24          | —                                | 0.06            | 0.15          | —                                | 0.05            | 0.16          | —                                | 0.58            | 1.40          | —                                | 2.82            | 3.67          |
| 2          | —                                | 0.10            | 0.26          | —                                | 0.08            | 0.24          | —                                | 0.05            | 0.14          | —                                | 0.04            | 0.16          | —                                | 0.40            | 1.00          | —                                | 1.64            | 2.20          |
| 3          | 8.0                              | 0.35            | 0.33          | —                                | 0.07            | 0.24          | —                                | 0.05            | 0.14          | —                                | 0.04            | 0.16          | —                                | 0.32            | 0.72          | —                                | 1.19            | 1.67          |
| 4          | 1.5                              | 0.72            | 0.71          | —                                | 0.07            | 0.22          | —                                | 0.04            | 0.14          | 27.5                             | 2.36            | 1.80          | —                                | 0.24            | 0.58          | 8.0                              | 1.47            | 1.53          |
| 5          | 0.5                              | 0.18            | 0.36          | 143.5                            | 72.41           | 75.79         | —                                | 0.04            | 0.14          | 3.5                              | 4.33            | 6.30          | —                                | 0.19            | 0.49          | 16.0                             | 12.41           | 14.56         |
| 6          | 20.0                             | 5.08            | 6.20          | 123.5                            | 122.77          | 129.62        | —                                | 0.04            | 0.13          | —                                | 0.35            | 1.04          | 27.0                             | 5.37            | 4.98          | —                                | 3.43            | 4.39          |
| 7          | 39.5                             | 22.40           | 29.82         | 3.0                              | 7.04            | 10.65         | —                                | 0.03            | 0.12          | 39.5                             | 13.90           | 16.48         | 24.0                             | 21.54           | 27.29         | —                                | 2.04            | 2.62          |
| 8          | 6.5                              | 4.26            | 6.88          | —                                | 1.87            | 3.16          | 28.0                             | 1.68            | 1.03          | 10.0                             | 8.41            | 13.08         | 15.5                             | 9.78            | 12.35         | —                                | 1.49            | 1.83          |
| 9          | —                                | 1.60            | 3.15          | —                                | 0.92            | 1.38          | —                                | 0.19            | 0.33          | 16.0                             | 8.85            | 13.12         | 2.5                              | 8.37            | 11.52         | 2.0                              | 1.12            | 1.44          |
| 10         | 63.5                             | 41.67           | 43.09         | —                                | 0.61            | 0.99          | —                                | 0.09            | 0.18          | 7.0                              | 4.68            | 8.72          | 0.5                              | 2.38            | 3.73          | 2.0                              | 0.91            | 1.20          |
| 11         | 56.0                             | 62.65           | 93.46         | —                                | 0.40            | 0.81          | —                                | 0.07            | 0.17          | 8.5                              | 3.80            | 6.24          | —                                | 1.32            | 2.12          | —                                | 0.78            | 1.03          |
| 12         | 1.0                              | 5.73            | 7.27          | —                                | 0.30            | 0.65          | 3.0                              | 0.06            | 0.17          | —                                | 1.95            | 3.92          | —                                | 0.86            | 1.46          | 4.0                              | 0.70            | 0.92          |
| 13         | —                                | 2.77            | 3.11          | —                                | 0.25            | 0.48          | —                                | 0.07            | 0.18          | —                                | 0.66            | 1.74          | —                                | 0.65            | 1.18          | 2.0                              | 0.68            | 0.89          |
| 14         | —                                | 1.55            | 1.74          | —                                | 0.19            | 0.40          | —                                | 0.04            | 0.18          | 7.0                              | 0.89            | 1.57          | 3.0                              | 0.61            | 1.05          | 2.0                              | 0.66            | 0.87          |
| 15         | 5.0                              | 1.35            | 1.48          | —                                | 0.16            | 0.32          | 12.0                             | 0.58            | 0.29          | 3.0                              | 1.84            | 3.08          | 22.0                             | 10.26           | 12.00         | 6.0                              | 0.62            | 0.89          |
| 16         | 13.0                             | 2.48            | 1.57          | —                                | 0.16            | 0.29          | 14.0                             | 3.39            | 2.64          | —                                | 0.58            | 1.40          | 1.5                              | 4.52            | 6.77          | 18.0                             | 0.64            | 0.95          |
| 17         | 17.5                             | 12.66           | 16.25         | —                                | 0.15            | 0.26          | 8.0                              | 1.92            | 2.32          | —                                | 0.33            | 0.88          | —                                | 1.90            | 3.12          | 10.0                             | 0.79            | 1.33          |
| 18         | 0.5                              | 2.68            | 3.97          | —                                | 0.13            | 0.26          | 7.5                              | 1.95            | 2.34          | 3.0                              | 0.30            | 0.74          | 6.0                              | 1.39            | 2.07          | 2.0                              | 0.87            | 1.32          |
| 19         | —                                | 1.35            | 1.93          | —                                | 0.13            | 0.24          | —                                | 0.54            | 1.00          | 3.0                              | 0.73            | 1.01          | 3.5                              | 3.22            | 3.96          | —                                | 0.91            | 1.33          |
| 20         | —                                | 0.73            | 1.13          | —                                | 0.13            | 0.24          | —                                | 0.21            | 0.55          | 1.0                              | 0.39            | 0.87          | —                                | 1.75            | 2.55          | —                                | 0.91            | 1.34          |
| 21         | 1.0                              | 0.51            | 0.81          | —                                | 0.12            | 0.24          | 14.0                             | 4.41            | 4.82          | 4.0                              | 0.58            | 0.92          | —                                | 1.14            | 1.66          | 22.0                             | 1.28            | 1.83          |
| 22         | 4.5                              | 1.33            | 1.32          | 5.0                              | 0.38            | 0.42          | —                                | 0.54            | 0.98          | —                                | 0.43            | 0.97          | 2.0                              | 0.98            | 1.39          | 10.0                             | 4.42            | 3.72          |
| 23         | —                                | 0.48            | 0.81          | 25.0                             | 4.09            | 4.55          | —                                | 0.24            | 0.63          | 22.0                             | 4.24            | 4.54          | 4.0                              | 1.53            | 1.86          | 2.0                              | 3.85            | 3.40          |
| 24         | —                                | 0.34            | 0.58          | —                                | 0.39            | 0.78          | —                                | 0.15            | 0.43          | 1.5                              | 6.82            | 10.86         | 10.0                             | 1.48            | 2.16          | 2.0                              | 2.77            | 2.73          |
| 25         | —                                | 0.24            | 0.45          | —                                | 0.14            | 0.32          | —                                | 0.10            | 0.36          | —                                | 1.20            | 2.61          | 10.0                             | 6.27            | 7.39          | 18.0                             | 2.20            | 2.19          |
| 26         | 5.5                              | 1.00            | 0.85          | —                                | 0.08            | 0.24          | 2.5                              | 0.12            | 0.27          | —                                | 0.62            | 1.43          | —                                | 3.60            | 4.90          | 4.0                              | 1.83            | 1.89          |
| 27         | —                                | 0.31            | 0.49          | —                                | 0.08            | 0.22          | —                                | 0.15            | 0.25          | —                                | 0.38            | 1.02          | —                                | 1.90            | 2.85          | 8.0                              | 1.77            | 1.75          |
| 28         | —                                | 0.19            | 0.42          | —                                | 0.08            | 0.19          | —                                | 0.10            | 0.22          | 2.5                              | 0.32            | 0.80          | 10.0                             | 2.43            | 3.05          | 6.0                              | 1.68            | 1.62          |
| 29         | —                                | 0.15            | 0.36          | —                                | 0.07            | 0.16          | —                                | 0.07            | 0.18          | 16.5                             | 6.59            | 8.36          | 32.0                             | 21.33           | 24.71         | 8.0                              | 1.61            | 1.52          |
| 30         | —                                | 0.14            | 0.28          | —                                | 0.07            | 0.16          | —                                | 0.06            | 0.16          | —                                | 2.22            | 4.11          | 2.0                              | 7.56            | 9.64          | 4.0                              | 1.47            | 1.48          |
| 31         | —                                | 0.11            | 0.26          | —                                | 0.07            | 0.16          | —                                | —               | —             | —                                | 0.91            | 1.90          | —                                | —               | —             | —                                | 1.44            | 1.48          |
| 計<br>Total | 243.5                            | 175.23          | 229.61        | 300.0                            | 213.51          | 233.92        | 89.0                             | 17.04           | 20.64         | 175.5                            | 78.83           | 119.99        | 175.5                            | 123.87          | 159.95        | 156.0                            | 60.40           | 69.59         |

Appendix-Table 1. (つづき) (Continued)

| 項目<br>Item | 1976年                           |               |              |                                 |               |              |                                 |               |              |                                 |               |              |                                 |               |              |                                 |               |              |
|------------|---------------------------------|---------------|--------------|---------------------------------|---------------|--------------|---------------------------------|---------------|--------------|---------------------------------|---------------|--------------|---------------------------------|---------------|--------------|---------------------------------|---------------|--------------|
|            | 1月 Jan.                         |               |              | 2月 Feb.                         |               |              | 3月 Mar.                         |               |              | 4月 Apr.                         |               |              | 5月 May                          |               |              | 6月 June                         |               |              |
|            | 降水量<br>Precipitation            | 流出量<br>Runoff |              | 降水量<br>Precipitation            | 流出量<br>Runoff |              | 降水量<br>Precipitation            | 流出量<br>Runoff |              | 降水量<br>Precipitation            | 流出量<br>Runoff |              | 降水量<br>Precipitation            | 流出量<br>Runoff |              | 降水量<br>Precipitation            | 流出量<br>Runoff |              |
|            | 露場<br>Meteorological<br>station | 1号沢<br>No. 1  | 2号沢<br>No. 2 | 露場<br>Meteorological<br>station | 1号沢<br>No. 1  | 2号沢<br>No. 2 | 露場<br>Meteorological<br>station | 1号沢<br>No. 1  | 2号沢<br>No. 2 | 露場<br>Meteorological<br>station | 1号沢<br>No. 1  | 2号沢<br>No. 2 | 露場<br>Meteorological<br>station | 1号沢<br>No. 1  | 2号沢<br>No. 2 | 露場<br>Meteorological<br>station | 1号沢<br>No. 1  | 2号沢<br>No. 2 |
| 日<br>Day   |                                 |               |              |                                 |               |              |                                 |               |              |                                 |               |              |                                 |               |              |                                 |               |              |
| 1          | —                               | 2.34          | 1.86         | —                               | 1.10          | 1.16         | —                               | 9.24          | 11.12        | —                               | 11.12         | 13.49        | 12.5                            | 19.00         | 21.21        | 5.5                             | 0.84          | 0.41         |
| 2          | —                               | 7.87          | 9.70         | 10.0                            | 1.35          | 1.65         | —                               | 5.32          | 6.06         | 5.5                             | 11.22         | 13.29        | 0.5                             | 5.80          | 6.60         | —                               | 0.27          | 0.30         |
| 3          | —                               | 4.29          | 5.67         | 4.0                             | 1.53          | 1.77         | —                               | 3.71          | 4.82         | —                               | 8.73          | 10.68        | —                               | 2.90          | 3.21         | —                               | 0.17          | 0.23         |
| 4          | 2.0                             | 3.16          | 3.28         | —                               | 1.44          | 1.55         | —                               | 4.08          | 7.84         | 0.5                             | 8.56          | 9.27         | 12.5                            | 6.50          | 7.27         | —                               | 0.14          | 0.18         |
| 5          | 24.0                            | 17.08         | 18.28        | 2.0                             | 1.35          | 1.47         | —                               | 5.10          | 9.89         | —                               | 5.49          | 6.13         | 1.5                             | 3.90          | 4.47         | 28.5                            | 5.71          | 4.94         |
| 6          | 12.0                            | 6.35          | 10.60        | 16.0                            | 1.29          | 1.38         | —                               | 8.08          | 13.37        | 15.0                            | 14.17         | 15.58        | 14.0                            | 5.58          | 6.54         | 5.5                             | 3.83          | 5.16         |
| 7          | 6.0                             | 3.55          | 3.75         | 4.0                             | 1.25          | 1.28         | —                               | 8.43          | 11.72        | 4.0                             | 17.35         | 20.15        | —                               | 4.27          | 5.17         | —                               | 0.90          | 1.30         |
| 8          | 18.0                            | 4.23          | 7.17         | 6.0                             | 1.22          | 1.23         | —                               | 11.36         | 15.91        | 4.5                             | 9.21          | 9.78         | —                               | 2.26          | 2.88         | 35.5                            | 11.28         | 12.18        |
| 9          | 4.0                             | 5.26          | 5.36         | 2.0                             | 1.20          | 1.23         | —                               | 9.87          | 12.44        | 4.5                             | 7.94          | 8.98         | —                               | 1.49          | 1.87         | 7.0                             | 13.54         | 18.26        |
| 10         | 8.0                             | 3.29          | 3.39         | 20.0                            | 1.19          | 1.23         | —                               | 9.97          | 14.30        | —                               | 8.83          | 8.91         | —                               | 1.09          | 1.31         | 16.0                            | 5.67          | 7.71         |
| 11         | 10.0                            | 2.53          | 2.55         | 10.0                            | 1.15          | 1.18         | —                               | 13.65         | 16.75        | —                               | 8.96          | 9.29         | —                               | 0.87          | 1.03         | —                               | 5.70          | 10.31        |
| 12         | 8.0                             | 2.14          | 2.07         | 10.0                            | 1.15          | 1.14         | 4.5                             | 16.83         | 18.82        | 5.5                             | 9.56          | 9.39         | 9.0                             | 1.60          | 1.24         | —                               | 1.84          | 2.61         |
| 13         | 8.0                             | 1.90          | 1.93         | —                               | 1.20          | 1.18         | —                               | 11.01         | 15.15        | 1.5                             | 15.35         | 15.63        | 1.5                             | 2.43          | 2.59         | —                               | 1.00          | 1.52         |
| 14         | 10.0                            | 1.71          | 1.80         | 4.0                             | 1.20          | 1.54         | 1.0                             | 8.12          | 11.21        | 10.5                            | 21.69         | 21.92        | —                               | 0.86          | 1.20         | 6.0                             | 1.05          | 1.26         |
| 15         | 8.0                             | 1.59          | 1.63         | 14.0                            | 2.65          | 4.97         | 1.5                             | 11.89         | 18.24        | —                               | 12.96         | 13.65        | —                               | 0.62          | 0.97         | 5.0                             | 1.78          | 2.08         |
| 16         | —                               | 1.51          | 1.56         | 22.0                            | 5.16          | 6.73         | —                               | 9.86          | 13.36        | —                               | 10.80         | 11.53        | 0.5                             | 0.56          | 0.79         | —                               | 0.71          | 1.14         |
| 17         | 18.0                            | 3.51          | 3.48         | —                               | 6.31          | 7.42         | 6.5                             | 5.29          | 5.66         | —                               | 5.86          | 5.69         | 3.5                             | 0.82          | 0.77         | —                               | 0.43          | 0.73         |
| 18         | 4.0                             | 3.30          | 3.33         | 14.0                            | 11.56         | 12.61        | 6.0                             | 15.77         | 16.93        | —                               | 5.26          | 5.30         | —                               | 0.49          | 0.56         | —                               | 0.34          | 0.56         |
| 19         | 6.0                             | 2.35          | 2.20         | 2.0                             | 8.40          | 9.38         | 2.0                             | 7.78          | 8.44         | —                               | 4.81          | 4.86         | —                               | 0.36          | 0.50         | —                               | 0.29          | 0.51         |
| 20         | 4.0                             | 2.04          | 1.76         | —                               | 5.02          | 5.62         | 8.0                             | 4.13          | 4.47         | 10.5                            | 9.42          | 9.43         | —                               | 0.30          | 0.44         | —                               | 0.22          | 0.44         |
| 21         | 4.0                             | 1.88          | 1.49         | —                               | 3.92          | 5.64         | 10.0                            | 2.83          | 3.07         | —                               | 7.12          | 6.73         | 7.0                             | 1.02          | 0.71         | 9.0                             | 0.47          | 0.49         |
| 22         | 4.0                             | 1.70          | 1.41         | —                               | 3.36          | 4.24         | 2.0                             | 2.35          | 3.06         | —                               | 5.14          | 4.50         | —                               | 0.55          | 0.65         | 14.0                            | 3.97          | 3.74         |
| 23         | 14.0                            | 1.62          | 1.29         | 8.0                             | 5.91          | 7.84         | 2.0                             | 2.03          | 2.68         | 11.5                            | 6.81          | 6.40         | —                               | 0.35          | 0.50         | —                               | 1.88          | 2.89         |
| 24         | 16.0                            | 1.54          | 1.23         | 4.0                             | 4.39          | 5.22         | —                               | 3.05          | 4.45         | —                               | 3.20          | 3.86         | —                               | 0.26          | 0.42         | 2.0                             | 0.91          | 1.34         |
| 25         | 16.0                            | 1.39          | 1.23         | 4.0                             | 3.93          | 6.90         | —                               | 3.02          | 4.10         | —                               | 2.44          | 2.88         | 1.5                             | 0.27          | 0.37         | 1.5                             | 0.71          | 0.99         |
| 26         | 12.0                            | 1.33          | 1.18         | 2.0                             | 3.23          | 4.29         | 6.0                             | 3.12          | 4.86         | 2.5                             | 2.02          | 2.22         | —                               | 0.20          | 0.37         | 10.5                            | 2.64          | 3.19         |
| 27         | —                               | 1.21          | 1.18         | —                               | 3.29          | 4.88         | —                               | 6.10          | 7.47         | 10.0                            | 5.19          | 6.39         | —                               | 0.16          | 0.29         | 2.5                             | 3.47          | 4.89         |
| 28         | —                               | 1.15          | 1.17         | 20.0                            | 12.67         | 14.69        | —                               | 11.28         | 16.47        | 0.5                             | 2.50          | 3.08         | —                               | 0.14          | 0.26         | —                               | 0.95          | 1.57         |
| 29         | 16.0                            | 1.10          | 1.12         | 18.0                            | 18.41         | 21.31        | 16.0                            | 11.15         | 12.21        | —                               | 1.63          | 3.08         | —                               | 0.13          | 0.26         | 1.0                             | 0.56          | 0.90         |
| 30         | 8.0                             | 1.10          | 1.12         | —                               | —             | —            | 10.0                            | 26.60         | 29.18        | 29.0                            | 12.02         | 13.34        | —                               | 0.12          | 0.26         | —                               | 0.37          | 0.69         |
| 31         | 2.0                             | 1.10          | 1.07         | —                               | —             | —            | —                               | 17.01         | 21.49        | —                               | —             | —            | —                               | 0.11          | 0.24         | —                               | —             | —            |
| 計<br>Total | 242.0                           | 95.12         | 104.86       | 196.0                           | 115.83        | 140.73       | 75.5                            | 268.03        | 345.54       | 115.5                           | 255.36        | 275.43       | 64.0                            | 65.01         | 74.95        | 149.5                           | 71.64         | 92.52        |

| 項目<br>Item | 1 9 7 6 年                     |                 |               |                               |                 |               |                               |                 |               |                               |                 |               |                               |                 |               |                               |                 |               |
|------------|-------------------------------|-----------------|---------------|-------------------------------|-----------------|---------------|-------------------------------|-----------------|---------------|-------------------------------|-----------------|---------------|-------------------------------|-----------------|---------------|-------------------------------|-----------------|---------------|
|            | 7 月 July                      |                 |               | 8 月 Aug.                      |                 |               | 9 月 Sep.                      |                 |               | 10 月 Oct.                     |                 |               | 11 月 Nov.                     |                 |               | 12 月 Dec.                     |                 |               |
|            | 降水量<br>Precipitation          | 流 出 量<br>Runoff |               | 降水量<br>Precipitation          | 流 出 量<br>Runoff |               | 降水量<br>Precipitation          | 流 出 量<br>Runoff |               | 降水量<br>Precipitation          | 流 出 量<br>Runoff |               | 降水量<br>Precipitation          | 流 出 量<br>Runoff |               | 降水量<br>Precipitation          | 流 出 量<br>Runoff |               |
|            | 露 場<br>Meteorological station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 | 露 場<br>Meteorological station | 1 号沢<br>No. 1   | 2 号沢<br>No. 2 |
| 日<br>Day   |                               |                 |               |                               |                 |               |                               |                 |               |                               |                 |               |                               |                 |               |                               |                 |               |
| 1          | —                             | 0.21            | 0.54          | 7.0                           | 0.18            | 0.26          | 2.0                           | 10.01           | 11.18         | 1.0                           | 0.46            | 0.94          | 9.5                           | 8.75            | 10.97         | —                             | 2.84            | 2.92          |
| 2          | —                             | 0.20            | 0.43          | 27.5                          | 4.36            | 4.19          | —                             | 3.24            | 3.83          | —                             | 0.37            | 0.76          | —                             | 3.54            | 4.18          | —                             | 4.85            | 6.40          |
| 3          | —                             | 0.16            | 0.36          | 3.0                           | 0.43            | 0.80          | —                             | 1.62            | 2.05          | —                             | 0.32            | 0.63          | —                             | 2.05            | 2.36          | —                             | 4.62            | 4.49          |
| 4          | —                             | 0.15            | 0.30          | —                             | 0.23            | 0.50          | 4.5                           | 1.39            | 1.60          | 11.5                          | 1.99            | 2.13          | 7.5                           | 3.32            | 3.76          | —                             | 4.76            | 4.54          |
| 5          | 1.5                           | 0.13            | 0.29          | 79.0                          | 37.30           | 47.34         | —                             | 0.87            | 1.16          | 0.5                           | 0.55            | 1.14          | 2.0                           | 2.33            | 3.22          | —                             | 6.05            | 6.65          |
| 6          | —                             | 0.13            | 0.26          | 10.0                          | 5.90            | 8.81          | —                             | 0.64            | 0.89          | —                             | 0.88            | 1.04          | —                             | 1.55            | 1.88          | 4.0                           | 4.31            | 4.86          |
| 7          | —                             | 0.12            | 0.26          | 11.0                          | 15.59           | 19.32         | —                             | 0.46            | 0.68          | 6.5                           | 0.74            | 1.23          | 0.5                           | 1.14            | 1.35          | —                             | 3.84            | 4.21          |
| 8          | —                             | 0.10            | 0.24          | 2.0                           | 2.85            | 3.24          | 17.5                          | 2.28            | 1.89          | —                             | 0.45            | 0.74          | 5.0                           | 1.50            | 1.74          | 30.0                          | 14.73           | 16.70         |
| 9          | —                             | 0.09            | 0.22          | 66.5                          | 51.77           | 58.14         | 14.0                          | 8.02            | 10.25         | 7.5                           | 2.56            | 2.87          | —                             | 0.91            | 1.31          | 8.0                           | 7.50            | 8.13          |
| 10         | 5.5                           | 0.31            | 0.26          | 5.0                           | 16.53           | 20.42         | 2.0                           | 1.95            | 2.82          | 9.5                           | 2.08            | 3.01          | 0.5                           | 0.91            | 1.24          | 8.0                           | 4.20            | 4.53          |
| 11         | 2.5                           | 0.29            | 0.25          | —                             | 3.21            | 4.35          | 21.0                          | 7.13            | 9.20          | 2.0                           | 1.14            | 2.00          | 3.0                           | 0.87            | 1.21          | —                             | 3.27            | 4.13          |
| 12         | —                             | 0.16            | 0.23          | 6.5                           | 1.86            | 2.40          | 2.5                           | 5.64            | 8.03          | 1.5                           | 0.78            | 1.32          | —                             | 0.70            | 0.94          | 2.0                           | 2.94            | 3.96          |
| 13         | 48.0                          | 19.26           | 14.31         | 6.5                           | 4.68            | 5.60          | 14.5                          | 4.23            | 4.96          | —                             | 0.54            | 1.01          | 2.0                           | 0.63            | 0.84          | 6.0                           | 2.86            | 3.16          |
| 14         | 13.0                          | 14.55           | 13.15         | —                             | 7.94            | 10.63         | 2.5                           | 7.94            | 9.86          | 19.0                          | 6.58            | 6.94          | 30.0                          | 11.53           | 13.87         | 40.0                          | 5.78            | 5.12          |
| 15         | —                             | 1.68            | 2.77          | —                             | 3.24            | 4.31          | —                             | 2.83            | 3.66          | 5.0                           | 4.21            | 7.21          | 8.0                           | 5.69            | 7.33          | —                             | 16.75           | 17.92         |
| 16         | —                             | 0.71            | 1.30          | 27.5                          | 13.07           | 15.24         | —                             | 1.21            | 2.08          | —                             | 1.50            | 2.62          | —                             | 4.33            | 5.38          | 12.0                          | 13.82           | 17.65         |
| 17         | 0.5                           | 2.31            | 2.54          | —                             | 6.94            | 8.45          | 13.5                          | 2.50            | 2.92          | —                             | 0.83            | 1.61          | 10.0                          | 4.26            | 4.87          | —                             | 13.47           | 17.06         |
| 18         | 6.0                           | 2.84            | 2.95          | —                             | 2.13            | 2.80          | 4.0                           | 2.95            | 4.73          | —                             | 0.63            | 1.14          | 14.0                          | 15.06           | 16.95         | 20.0                          | 13.16           | 14.75         |
| 19         | —                             | 1.35            | 2.25          | 11.5                          | 1.54            | 1.96          | 12.5                          | 3.70            | 4.67          | 0.5                           | 0.57            | 0.93          | —                             | 4.44            | 5.01          | 8.0                           | 8.42            | 8.54          |
| 20         | —                             | 0.52            | 1.05          | 3.5                           | 4.75            | 5.47          | 17.0                          | 9.79            | 11.76         | 27.5                          | 24.09           | 9.96          | 6.0                           | 3.46            | 3.67          | —                             | 4.07            | 4.41          |
| 21         | —                             | 0.32            | 0.73          | 3.0                           | 2.47            | 3.21          | 7.0                           | 9.02            | 11.58         | 8.0                           | 21.13           | 13.87         | —                             | 2.87            | 3.74          | 2.0                           | 2.91            | 2.98          |
| 22         | —                             | 0.25            | 0.55          | 14.5                          | 5.19            | 6.12          | 1.0                           | 4.09            | 5.37          | —                             | 2.18            | 3.59          | 16.0                          | 2.52            | 3.58          | 10.0                          | 2.31            | 2.38          |
| 23         | —                             | 0.18            | 0.44          | 12.0                          | 9.15            | 10.40         | 5.0                           | 2.84            | 3.61          | —                             | 1.17            | 2.03          | 20.0                          | 20.91           | 23.42         | 2.0                           | 2.22            | 2.25          |
| 24         | —                             | 0.14            | 0.38          | 7.0                           | 12.68           | 14.94         | 5.0                           | 2.83            | 3.98          | —                             | 0.87            | 1.63          | 14.0                          | 7.96            | 8.44          | 6.0                           | 1.91            | 2.20          |
| 25         | —                             | 0.11            | 0.31          | 1.0                           | 3.92            | 4.70          | —                             | 1.64            | 2.66          | 3.0                           | 0.70            | 1.41          | —                             | 6.55            | 5.26          | 24.0                          | 2.03            | 2.34          |
| 26         | —                             | 0.11            | 0.27          | 0.5                           | 2.07            | 2.58          | 0.5                           | 1.03            | 1.75          | 17.5                          | 4.25            | 5.30          | 26.0                          | 23.05           | 24.69         | 24.0                          | 6.86            | 8.70          |
| 27         | —                             | 0.08            | 0.23          | 6.5                           | 1.67            | 2.06          | —                             | 0.69            | 1.25          | —                             | 3.31            | 5.61          | 2.0                           | 9.75            | 10.11         | 20.0                          | 2.76            | 3.85          |
| 28         | 4.0                           | 0.10            | 0.24          | 0.5                           | 1.69            | 2.47          | 6.0                           | 1.23            | 1.62          | 30.5                          | 10.55           | 13.92         | 28.0                          | 4.70            | 4.88          | 10.0                          | 1.74            | 3.09          |
| 29         | 1.5                           | 0.20            | 0.27          | —                             | 0.84            | 1.31          | 0.5                           | 0.75            | 1.30          | 42.0                          | 32.83           | 40.30         | 18.0                          | 3.42            | 3.66          | 2.0                           | 1.39            | 2.68          |
| 30         | —                             | 0.11            | 0.28          | 14.0                          | 1.88            | 1.86          | 1.0                           | 0.59            | 1.09          | 1.0                           | 10.34           | 11.77         | 12.0                          | 2.88            | 2.95          | 18.0                          | 1.16            | 2.31          |
| 31         | —                             | 0.09            | 0.25          | 34.5                          | 20.51           | 24.89         | —                             | —               | —             | 25.0                          | 12.19           | 14.06         | —                             | —               | —             | 6.0                           | 1.15            | 1.96          |
| 計<br>Total | 82.5                          | 46.96           | 47.91         | 360.5                         | 246.57          | 298.77        | 153.5                         | 103.11          | 132.43        | 219.0                         | 150.79          | 162.72        | 234.0                         | 161.58          | 182.81        | 262.0                         | 168.68          | 194.87        |

Appendix-Table 1. (つづき) (Continued)

| 項目<br>Item | 1977年                           |               |              |                                 |               |              |                                 |               |              |                                 |               |              |                                 |               |              |                                 |               |              |
|------------|---------------------------------|---------------|--------------|---------------------------------|---------------|--------------|---------------------------------|---------------|--------------|---------------------------------|---------------|--------------|---------------------------------|---------------|--------------|---------------------------------|---------------|--------------|
|            | 1月 Jan.                         |               |              | 2月 Feb.                         |               |              | 3月 Mar.                         |               |              | 4月 Apr.                         |               |              | 5月 May                          |               |              | 6月 June                         |               |              |
|            | 降水量<br>Precipitation            | 流出量<br>Runoff |              | 降水量<br>Precipitation            | 流出量<br>Runoff |              | 降水量<br>Precipitation            | 流出量<br>Runoff |              | 降水量<br>Precipitation            | 流出量<br>Runoff |              | 降水量<br>Precipitation            | 流出量<br>Runoff |              | 降水量<br>Precipitation            | 流出量<br>Runoff |              |
|            | 露場<br>Meteorological<br>station | 1号沢<br>No. 1  | 2号沢<br>No. 2 | 露場<br>Meteorological<br>station | 1号沢<br>No. 1  | 2号沢<br>No. 2 | 露場<br>Meteorological<br>station | 1号沢<br>No. 1  | 2号沢<br>No. 2 | 露場<br>Meteorological<br>station | 1号沢<br>No. 1  | 2号沢<br>No. 2 | 露場<br>Meteorological<br>station | 1号沢<br>No. 1  | 2号沢<br>No. 2 | 露場<br>Meteorological<br>station | 1号沢<br>No. 1  | 2号沢<br>No. 2 |
| 日<br>Day   |                                 |               |              |                                 |               |              |                                 |               |              |                                 |               |              |                                 |               |              |                                 |               |              |
| 1          | 2.0                             | 1.14          | 1.76         | 20.0                            | 1.09          | 1.13         | —                               | 11.24         | 11.78        | —                               | 18.43         | 23.08        | 11.0                            | 3.85          | 3.91         | 1.5                             | 0.41          | 0.50         |
| 2          | 8.0                             | 1.14          | 1.61         | 8.0                             | 1.09          | 1.11         | 8.0                             | 9.93          | 10.69        | —                               | 12.93         | 15.49        | 21.5                            | 19.72         | 22.90        | 41.0                            | 12.98         | 14.34        |
| 3          | 6.0                             | 1.14          | 1.47         | 4.0                             | 1.09          | 1.11         | 6.0                             | 8.13          | 9.28         | 8.0                             | 11.50         | 13.59        | —                               | 5.76          | 6.93         | —                               | 4.30          | 5.40         |
| 4          | 6.0                             | 1.14          | 1.36         | 2.0                             | 1.09          | 1.11         | 10.0                            | 5.39          | 6.20         | 2.0                             | 7.53          | 8.76         | —                               | 3.07          | 3.50         | —                               | 1.78          | 2.22         |
| 5          | 2.0                             | 1.14          | 1.34         | 6.0                             | 1.07          | 1.07         | 18.0                            | 3.78          | 4.29         | —                               | 11.50         | 14.07        | 21.5                            | 8.68          | 9.70         | —                               | 1.03          | 1.23         |
| 6          | 14.0                            | 1.14          | 1.29         | 8.0                             | 1.04          | 1.06         | —                               | 2.83          | 3.19         | 6.0                             | 14.28         | 17.00        | 0.5                             | 6.31          | 7.37         | —                               | 0.72          | 0.90         |
| 7          | 16.0                            | 1.14          | 1.28         | 6.0                             | 1.04          | 1.06         | —                               | 2.39          | 2.82         | —                               | 11.47         | 11.74        | 4.0                             | 3.46          | 3.97         | —                               | 0.57          | 0.69         |
| 8          | —                               | 1.14          | 1.28         | 2.0                             | 1.04          | 1.06         | 2.0                             | 4.01          | 8.19         | —                               | 11.07         | 12.12        | —                               | 2.85          | 3.13         | 1.5                             | 0.61          | 0.61         |
| 9          | 2.0                             | 1.14          | 1.28         | 6.0                             | 1.04          | 1.06         | 8.0                             | 13.56         | 19.04        | 4.0                             | 11.50         | 12.62        | —                               | 1.66          | 1.83         | —                               | 0.42          | 0.49         |
| 10         | 8.0                             | 1.14          | 1.28         | 12.0                            | 1.04          | 1.06         | 2.0                             | 6.36          | 7.07         | 2.0                             | 14.53         | 17.38        | —                               | 1.22          | 1.30         | —                               | 0.30          | 0.40         |
| 11         | 2.0                             | 1.14          | 1.28         | 4.0                             | 1.04          | 1.06         | —                               | 3.99          | 4.81         | —                               | 17.25         | 19.84        | —                               | 0.96          | 1.03         | 34.5                            | 9.40          | 9.24         |
| 12         | 4.0                             | 1.14          | 1.28         | 6.0                             | 0.99          | 1.06         | —                               | 5.05          | 10.20        | —                               | 15.95         | 17.45        | —                               | 0.76          | 0.83         | —                               | 2.04          | 2.50         |
| 13         | 4.0                             | 1.14          | 1.28         | 12.0                            | 0.99          | 1.06         | —                               | 6.99          | 12.70        | 0.5                             | 15.58         | 16.11        | —                               | 0.60          | 0.67         | 4.5                             | 1.23          | 1.33         |
| 14         | 2.0                             | 1.10          | 1.28         | —                               | 0.99          | 1.06         | 2.0                             | 18.35         | 25.29        | —                               | 21.53         | 22.35        | 17.5                            | 2.05          | 1.38         | —                               | 0.69          | 0.98         |
| 15         | —                               | 1.04          | 1.21         | —                               | 0.99          | 1.06         | —                               | 18.14         | 27.00        | 22.5                            | 29.97         | 29.02        | 52.0                            | 26.61         | 29.73        | —                               | 0.50          | 0.74         |
| 16         | 2.0                             | 1.02          | 1.17         | 26.0                            | 0.99          | 1.06         | —                               | 16.86         | 23.34        | 6.0                             | 28.17         | 31.59        | 30.5                            | 33.16         | 36.61        | —                               | 0.36          | 0.62         |
| 17         | 2.0                             | 0.80          | 1.11         | 24.0                            | 0.99          | 1.06         | —                               | 14.01         | 18.50        | 5.5                             | 13.03         | 15.41        | 10.5                            | 8.19          | 8.88         | —                               | 0.30          | 0.50         |
| 18         | 2.0                             | 0.99          | 1.10         | 4.0                             | 0.99          | 1.06         | 10.0                            | 22.54         | 29.13        | 18.0                            | 15.88         | 19.39        | 8.0                             | 9.43          | 11.33        | 5.5                             | 0.72          | 0.63         |
| 19         | 6.0                             | 0.99          | 1.06         | 2.0                             | 0.99          | 1.06         | 10.0                            | 25.32         | 28.97        | 5.0                             | 17.68         | 21.07        | 1.0                             | 4.58          | 5.98         | —                               | 0.42          | 0.56         |
| 20         | 2.0                             | 0.99          | 1.06         | 38.0                            | 1.77          | 5.39         | —                               | 21.89         | 29.45        | —                               | 11.61         | 13.12        | —                               | 2.32          | 3.51         | —                               | 0.26          | 0.44         |
| 21         | 2.0                             | 0.99          | 1.06         | 6.0                             | 1.97          | 3.51         | —                               | 12.57         | 17.76        | —                               | 7.38          | 7.27         | —                               | 1.52          | 2.29         | —                               | 0.20          | 0.34         |
| 22         | —                               | 0.99          | 1.06         | 8.0                             | 1.68          | 2.19         | —                               | 10.13         | 14.37        | 2.5                             | 6.13          | 6.24         | —                               | 1.06          | 1.32         | —                               | 0.19          | 0.27         |
| 23         | —                               | 0.99          | 1.06         | 6.0                             | 1.54          | 1.80         | 18.0                            | 30.55         | 34.72        | 0.5                             | 6.14          | 6.22         | —                               | 0.77          | 0.94         | —                               | 0.19          | 0.26         |
| 24         | 4.0                             | 0.99          | 1.06         | —                               | 1.78          | 4.62         | 18.0                            | 33.88         | 37.27        | 0.5                             | 4.57          | 4.23         | 15.5                            | 2.15          | 1.78         | 5.5                             | 0.29          | 0.35         |
| 25         | 34.0                            | 1.19          | 1.58         | 10.0                            | 12.12         | 19.37        | 8.0                             | 7.84          | 8.06         | 46.5                            | 34.67         | 36.21        | 5.0                             | 4.78          | 5.41         | 3.0                             | 0.47          | 0.38         |
| 26         | 4.0                             | 1.37          | 1.98         | —                               | 19.80         | 24.49        | —                               | 10.98         | 14.30        | —                               | 10.23         | 10.93        | —                               | 1.69          | 2.02         | —                               | 0.31          | 0.36         |
| 27         | 6.0                             | 1.24          | 1.81         | —                               | 9.97          | 11.66        | 16.0                            | 8.57          | 9.19         | 49.5                            | 21.89         | 24.33        | —                               | 1.10          | 1.33         | —                               | 0.17          | 0.25         |
| 28         | 14.0                            | 1.15          | 1.67         | —                               | 11.36         | 15.17        | —                               | 9.13          | 9.45         | 23.0                            | 46.22         | 60.82        | —                               | 0.77          | 0.94         | —                               | 0.14          | 0.25         |
| 29         | 10.0                            | 1.14          | 1.50         | —                               | —             | —            | —                               | 8.60          | 10.93        | 3.0                             | 8.28          | 9.47         | —                               | 0.65          | 0.76         | —                               | 0.11          | 0.24         |
| 30         | 4.0                             | 1.12          | 1.29         | —                               | —             | —            | 22.0                            | 12.94         | 13.12        | 0.5                             | 4.44          | 5.00         | —                               | 0.56          | 0.62         | 1.0                             | 0.11          | 0.24         |
| 31         | 8.0                             | 1.10          | 1.17         | —                               | —             | —            | 10.0                            | 24.20         | 27.94        | —                               | —             | —            | —                               | 0.44          | 0.53         | —                               | —             | —            |
| 計<br>Total | 176.0                           | 34.02         | 41.02        | 220.0                           | 81.57         | 108.57       | 168.0                           | 390.15        | 489.05       | 205.5                           | 461.35        | 521.92       | 198.5                           | 160.73        | 182.43       | 98.0                            | 41.22         | 47.26        |

| 項目<br>Item |       | 1 9 7 7 年                        |                 |              |                                  |                 |              |                                  |                 |              |                                  |                 |              |                                  |                 |              |                                  |                 |              |
|------------|-------|----------------------------------|-----------------|--------------|----------------------------------|-----------------|--------------|----------------------------------|-----------------|--------------|----------------------------------|-----------------|--------------|----------------------------------|-----------------|--------------|----------------------------------|-----------------|--------------|
|            |       | 7 月 July                         |                 |              | 8 月 Aug.                         |                 |              | 9 月 Sep.                         |                 |              | 10 月 Oct.                        |                 |              | 11 月 Nov.                        |                 |              | 12 月 Dec.                        |                 |              |
|            |       | 降水量<br>Precipitation             | 流 出 量<br>Runoff |              | 降水量<br>Precipitation             | 流 出 量<br>Runoff |              | 降水量<br>Precipitation             | 流 出 量<br>Runoff |              | 降水量<br>Precipitation             | 流 出 量<br>Runoff |              | 降水量<br>Precipitation             | 流 出 量<br>Runoff |              | 降水量<br>Precipitation             | 流 出 量<br>Runoff |              |
|            |       | 露 場<br>Meteorological<br>station | 1号沢<br>No. 1    | 2号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1号沢<br>No. 1    | 2号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1号沢<br>No. 1    | 2号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1号沢<br>No. 1    | 2号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1号沢<br>No. 1    | 2号沢<br>No. 2 | 露 場<br>Meteorological<br>station | 1号沢<br>No. 1    | 2号沢<br>No. 2 |
| 日<br>Day   |       |                                  |                 |              |                                  |                 |              |                                  |                 |              |                                  |                 |              |                                  |                 |              |                                  |                 |              |
| 1          | 50.0  | 14.26                            | 17.05           | —            | 0.07                             | 0.21            | —            | 0.38                             | 0.66            | —            | 0.18                             | 0.41            | 11.0         | 1.51                             | 1.70            | 2.5          | 4.06                             | 3.75            |              |
| 2          | 7.5   | 8.92                             | 10.27           | —            | 0.07                             | 0.20            | —            | 0.28                             | 0.50            | —            | 0.16                             | 0.34            | —            | 0.54                             | 1.14            | 12.0         | 7.72                             | 7.35            |              |
| 3          | —     | 1.37                             | 1.84            | —            | 0.07                             | 0.20            | 39.5         | 8.81                             | 9.85            | —            | 0.16                             | 0.29            | —            | 0.22                             | 0.43            | 11.5         | 5.44                             | 5.16            |              |
| 4          | —     | 0.63                             | 0.97            | —            | 0.07                             | 0.18            | 0.5          | 4.38                             | 6.69            | —            | 0.15                             | 0.26            | —            | 0.17                             | 0.33            | 29.0         | 25.31                            | 25.61           |              |
| 5          | 2.5   | 0.65                             | 0.89            | 16.0         | 1.12                             | 0.53            | —            | 1.12                             | 1.69            | —            | 0.13                             | 0.24            | —            | 0.16                             | 0.29            | —            | 9.38                             | 9.07            |              |
| 6          | 15.5  | 4.40                             | 4.41            | —            | 0.25                             | 0.35            | —            | 0.62                             | 1.00            | 5.0          | 0.52                             | 0.38            | 9.5          | 1.24                             | 0.97            | —            | 3.67                             | 3.31            |              |
| 7          | 16.5  | 9.08                             | 12.23           | 4.5          | 0.23                             | 0.40            | 3.5          | 0.62                             | 1.00            | —            | 0.17                             | 0.34            | 27.5         | 9.93                             | 12.43           | —            | 2.23                             | 2.01            |              |
| 8          | —     | 1.57                             | 2.88            | 115.0        | 58.54                            | 61.29           | 0.5          | 0.54                             | 0.87            | 8.0          | 0.68                             | 0.57            | 16.5         | 9.60                             | 12.29           | 2.5          | 1.83                             | 1.51            |              |
| 9          | —     | 0.76                             | 1.66            | —            | 3.98                             | 5.66            | 2.0          | 0.52                             | 0.85            | 2.0          | 0.62                             | 0.68            | 13.5         | 7.69                             | 9.08            | 10.5         | 4.85                             | 3.39            |              |
| 10         | 28.5  | 9.44                             | 12.26           | —            | 0.93                             | 1.51            | 2.0          | 0.42                             | 0.67            | —            | 0.31                             | 0.53            | 1.5          | 3.13                             | 4.37            | 5.0          | 3.32                             | 3.16            |              |
| 11         | —     | 3.35                             | 5.10            | —            | 0.55                             | 0.96            | 40.5         | 24.75                            | 22.03           | —            | 0.16                             | 0.34            | 1.5          | 1.29                             | 2.25            | —            | 2.85                             | 2.97            |              |
| 12         | 42.5  | 20.41                            | 21.02           | 5.0          | 0.52                             | 0.79            | 12.0         | 7.75                             | 9.05            | —            | 0.12                             | 0.27            | —            | 0.82                             | 1.47            | —            | 2.04                             | 1.98            |              |
| 13         | 45.5  | 53.65                            | 59.03           | 4.0          | 1.03                             | 1.21            | 3.0          | 7.83                             | 9.92            | —            | 0.11                             | 0.26            | —            | 0.60                             | 1.13            | 1.5          | 1.83                             | 1.63            |              |
| 14         | —     | 4.11                             | 4.67            | —            | 0.40                             | 0.70            | 24.5         | 11.13                            | 13.12           | —            | 0.10                             | 0.24            | —            | 0.43                             | 0.87            | —            | 1.47                             | 1.46            |              |
| 15         | —     | 1.47                             | 2.05            | —            | 0.25                             | 0.52            | —            | 6.07                             | 8.53            | 2.5          | 0.12                             | 0.23            | —            | 0.32                             | 0.65            | —            | 1.25                             | 1.24            |              |
| 16         | —     | 0.81                             | 1.28            | 9.5          | 0.70                             | 0.62            | —            | 1.64                             | 2.56            | —            | 0.15                             | 0.22            | 34.5         | 12.48                            | 12.79           | 14.0         | 5.30                             | 5.36            |              |
| 17         | 3.5   | 0.64                             | 0.93            | 32.0         | 13.19                            | 15.46           | —            | 0.84                             | 1.64            | —            | 0.10                             | 0.17            | 17.0         | 18.73                            | 23.17           | 7.5          | 8.93                             | 9.37            |              |
| 18         | 8.5   | 1.63                             | 1.68            | 0.5          | 2.54                             | 3.47            | —            | 0.56                             | 1.27            | —            | 0.09                             | 0.14            | 2.0          | 3.63                             | 4.57            | 22.0         | 6.91                             | 7.34            |              |
| 19         | —     | 0.92                             | 1.22            | 1.5          | 1.14                             | 1.58            | 49.0         | 19.89                            | 22.64           | —            | 0.07                             | 0.14            | 33.5         | 16.45                            | 19.24           | 4.0          | 4.93                             | 5.44            |              |
| 20         | —     | 0.43                             | 0.69            | 3.0          | 0.83                             | 1.25            | 0.5          | 5.17                             | 6.42            | —            | 0.07                             | 0.14            | 22.5         | 17.44                            | 19.71           | 4.0          | 3.46                             | 3.54            |              |
| 21         | —     | 0.36                             | 0.52            | —            | 0.51                             | 0.92            | 2.5          | 2.01                             | 2.73            | —            | 0.07                             | 0.14            | 1.0          | 10.78                            | 10.92           | 4.0          | 2.45                             | 2.34            |              |
| 22         | —     | 0.25                             | 0.40            | —            | 0.26                             | 0.56            | —            | 0.91                             | 1.46            | —            | 0.07                             | 0.14            | 40.5         | 25.71                            | 26.56           | 6.0          | 2.02                             | 1.83            |              |
| 23         | —     | 0.20                             | 0.35            | —            | 0.18                             | 0.42            | —            | 0.59                             | 0.97            | —            | 0.07                             | 0.14            | 8.0          | 16.09                            | 15.78           | —            | 1.72                             | 1.58            |              |
| 24         | —     | 0.17                             | 0.32            | —            | 0.16                             | 0.37            | —            | 0.41                             | 0.80            | 0.5          | 0.08                             | 0.14            | 26.5         | 16.76                            | 16.63           | 34.0         | 11.01                            | 9.04            |              |
| 25         | —     | 0.15                             | 0.29            | 5.5          | 0.31                             | 0.35            | —            | 0.32                             | 0.65            | —            | 0.09                             | 0.14            | 0.5          | 11.37                            | 11.07           | 12.0         | 13.00                            | 12.01           |              |
| 26         | —     | 0.12                             | 0.26            | 37.0         | 8.10                             | 8.40            | 9.5          | 1.37                             | 1.54            | —            | 0.08                             | 0.13            | —            | 3.92                             | 3.95            | 12.0         | 5.09                             | 4.41            |              |
| 27         | 2.0   | 0.11                             | 0.26            | 5.5          | 5.73                             | 7.08            | —            | 0.43                             | 0.89            | —            | 0.07                             | 0.12            | —            | 2.31                             | 2.27            | 8.0          | 3.46                             | 2.96            |              |
| 28         | —     | 0.09                             | 0.24            | 14.5         | 10.23                            | 12.03           | —            | 0.28                             | 0.65            | —            | 0.07                             | 0.12            | 3.5          | 2.26                             | 2.19            | —            | 2.74                             | 2.32            |              |
| 29         | —     | 0.09                             | 0.24            | —            | 2.58                             | 3.51            | —            | 0.24                             | 0.55            | —            | 0.07                             | 0.12            | 22.0         | 8.26                             | 9.42            | 12.0         | 6.34                             | 5.93            |              |
| 30         | —     | 0.08                             | 0.24            | —            | 0.99                             | 1.63            | —            | 0.22                             | 0.46            | 3.0          | 0.10                             | 0.14            | 4.0          | 11.64                            | 12.05           | 2.0          | 11.20                            | 11.59           |              |
| 31         | —     | 0.08                             | 0.22            | —            | 0.60                             | 0.96            | —            | —                                | —               | 8.0          | 0.72                             | 0.58            | —            | —                                | —               | 16.0         | 14.25                            | 12.50           |              |
| 計<br>Total | 222.5 | 140.20                           | 165.47          | 253.5        | 116.13                           | 133.32          | 189.5        | 110.10                           | 131.66          | 29.0         | 5.66                             | 8.10            | 296.5        | 212.48                           | 239.72          | 232.0        | 180.06                           | 171.16          |              |

Appendix-Table 1. (つづき) (Continued)

| 項目<br>Item | 1 9 7 8 年                     |               |               |                               |               |               |                               |               |               |                               |               |               |                               |               |               |                               |               |               |
|------------|-------------------------------|---------------|---------------|-------------------------------|---------------|---------------|-------------------------------|---------------|---------------|-------------------------------|---------------|---------------|-------------------------------|---------------|---------------|-------------------------------|---------------|---------------|
|            | 1 月 Jan.                      |               |               | 2 月 Feb.                      |               |               | 3 月 Mar.                      |               |               | 4 月 Apr.                      |               |               | 5 月 May                       |               |               | 6 月 June                      |               |               |
|            | 降水量<br>Precipitation          | 流出量<br>Runoff |               | 降水量<br>Precipitation          | 流出量<br>Runoff |               | 降水量<br>Precipitation          | 流出量<br>Runoff |               | 降水量<br>Precipitation          | 流出量<br>Runoff |               | 降水量<br>Precipitation          | 流出量<br>Runoff |               | 降水量<br>Precipitation          | 流出量<br>Runoff |               |
|            | 露 場<br>Meteorological station | 1 号沢<br>No. 1 | 2 号沢<br>No. 2 | 露 場<br>Meteorological station | 1 号沢<br>No. 1 | 2 号沢<br>No. 2 | 露 場<br>Meteorological station | 1 号沢<br>No. 1 | 2 号沢<br>No. 2 | 露 場<br>Meteorological station | 1 号沢<br>No. 1 | 2 号沢<br>No. 2 | 露 場<br>Meteorological station | 1 号沢<br>No. 1 | 2 号沢<br>No. 2 | 露 場<br>Meteorological station | 1 号沢<br>No. 1 | 2 号沢<br>No. 2 |
| 日<br>Day   |                               |               |               |                               |               |               |                               |               |               |                               |               |               |                               |               |               |                               |               |               |
| 1          | —                             | 10.17         | 10.07         | 12.0                          | 1.59          | 1.23          | 10.0                          | 1.09          | 1.43          | —                             | 5.02          | 5.67          | 5.5                           | 2.53          | 4.95          | —                             | 3.36          | 4.53          |
| 2          | —                             | 5.04          | 5.10          | 12.0                          | 1.53          | 1.23          | —                             | 1.15          | 1.81          | 6.0                           | 8.11          | 10.05         | 3.5                           | 2.27          | 2.46          | —                             | 1.43          | 2.19          |
| 3          | —                             | 3.12          | 2.96          | 12.0                          | 1.47          | 1.17          | 2.0                           | 1.95          | 2.98          | 22.0                          | 9.99          | 10.32         | —                             | 1.45          | 1.61          | —                             | 0.86          | 0.92          |
| 4          | 14.0                          | 2.41          | 2.14          | 20.0                          | 1.41          | 1.17          | 12.0                          | 12.15         | 15.19         | —                             | 10.15         | 9.32          | —                             | 1.15          | 1.16          | 30.5                          | 10.94         | 11.18         |
| 5          | 12.0                          | 1.99          | 1.80          | 18.0                          | 1.38          | 1.16          | —                             | 5.66          | 6.48          | —                             | 13.33         | 14.05         | —                             | 0.91          | 0.90          | 5.0                           | 5.56          | 5.74          |
| 6          | 12.0                          | 1.79          | 1.62          | 6.0                           | 1.35          | 1.11          | —                             | 4.60          | 6.03          | 14.0                          | 15.68         | 16.61         | —                             | 0.71          | 0.72          | —                             | 2.84          | 3.01          |
| 7          | 4.0                           | 1.72          | 1.52          | 12.0                          | 1.24          | 1.11          | —                             | 4.96          | 7.73          | 1.5                           | 19.98         | 23.78         | —                             | 0.65          | 0.60          | —                             | 1.50          | 1.56          |
| 8          | 14.0                          | 1.64          | 1.47          | 2.0                           | 1.19          | 1.11          | —                             | 8.87          | 12.54         | 0.5                           | 31.93         | 36.22         | —                             | 0.56          | 0.52          | —                             | 0.93          | 0.96          |
| 9          | 20.0                          | 1.64          | 1.56          | 14.0                          | 1.19          | 1.11          | 2.0                           | 8.77          | 12.11         | 1.5                           | 20.54         | 22.93         | 2.0                           | 0.54          | 0.44          | —                             | 0.60          | 0.68          |
| 10         | 14.0                          | 1.63          | 1.43          | 8.0                           | 1.11          | 1.11          | 26.0                          | 15.75         | 15.81         | —                             | 17.01         | 18.52         | 7.5                           | 1.30          | 0.81          | 1.0                           | 0.43          | 0.49          |
| 11         | 14.0                          | 4.09          | 2.98          | —                             | 1.09          | 1.07          | 28.0                          | 10.31         | 9.27          | —                             | 14.41         | 14.88         | —                             | 0.62          | 0.53          | 2.5                           | 0.56          | 0.53          |
| 12         | —                             | 4.61          | 3.75          | 2.0                           | 1.06          | 1.06          | 6.0                           | 5.17          | 4.45          | —                             | 14.89         | 14.98         | —                             | 0.46          | 0.39          | 8.5                           | 4.06          | 1.39          |
| 13         | —                             | 3.15          | 2.75          | 4.0                           | 1.04          | 1.06          | 8.0                           | 3.66          | 3.45          | 3.5                           | 12.47         | 12.00         | —                             | 0.37          | 0.32          | 20.5                          | 8.99          | 7.98          |
| 14         | —                             | 2.60          | 2.55          | 10.0                          | 1.04          | 1.06          | 10.0                          | 2.94          | 2.83          | —                             | 12.96         | 13.15         | —                             | 0.31          | 0.29          | 0.5                           | 1.89          | 1.76          |
| 15         | 16.0                          | 9.05          | 9.35          | 6.0                           | 1.04          | 1.01          | —                             | 2.52          | 2.33          | —                             | 21.27         | 20.81         | —                             | 0.28          | 0.26          | 1.5                           | 0.98          | 0.94          |
| 16         | 6.0                           | 5.22          | 4.99          | 10.0                          | 1.04          | 0.96          | 4.0                           | 2.58          | 4.10          | 12.5                          | 28.59         | 28.73         | —                             | 0.24          | 0.20          | 11.0                          | 2.20          | 1.68          |
| 17         | —                             | 3.33          | 3.04          | —                             | 1.04          | 0.96          | 8.0                           | 3.28          | 5.95          | —                             | 14.66         | 14.80         | —                             | 0.21          | 0.20          | —                             | 1.78          | 2.02          |
| 18         | 16.0                          | 2.66          | 2.25          | —                             | 1.04          | 0.96          | 4.0                           | 4.04          | 5.33          | 12.0                          | 14.68         | 14.25         | 8.0                           | 0.62          | 0.31          | —                             | 0.82          | 0.99          |
| 19         | 6.0                           | 2.36          | 1.92          | 10.0                          | 1.04          | 0.96          | 8.0                           | 5.05          | 4.70          | 1.0                           | 11.35         | 10.83         | 2.5                           | 0.57          | 0.33          | 9.0                           | 1.42          | 1.24          |
| 20         | —                             | 2.12          | 1.73          | 4.0                           | 1.04          | 0.96          | —                             | 10.46         | 13.19         | 4.0                           | 10.57         | 9.83          | 10.5                          | 1.20          | 0.69          | 7.5                           | 0.95          | 1.02          |
| 21         | 16.0                          | 2.06          | 1.97          | 6.0                           | 1.04          | 0.96          | 2.0                           | 9.39          | 11.52         | —                             | 7.60          | 7.69          | 12.0                          | 6.90          | 7.22          | 6.0                           | 3.70          | 4.25          |
| 22         | 12.0                          | 2.00          | 1.88          | 4.0                           | 1.04          | 0.96          | 4.0                           | 7.81          | 8.18          | —                             | 8.61          | 8.84          | —                             | 1.58          | 1.74          | 17.5                          | 9.19          | 10.31         |
| 23         | 2.0                           | 1.93          | 1.71          | 14.0                          | 1.04          | 0.96          | 2.0                           | 8.41          | 10.40         | —                             | 7.63          | 7.68          | —                             | 0.78          | 0.85          | —                             | 3.43          | 3.25          |
| 24         | 2.0                           | 1.86          | 1.60          | 4.0                           | 1.04          | 0.96          | 8.0                           | 10.46         | 12.93         | 1.0                           | 7.91          | 8.62          | —                             | 0.55          | 0.59          | —                             | 1.64          | 1.57          |
| 25         | 4.0                           | 1.78          | 1.54          | 8.0                           | 1.04          | 0.96          | 4.0                           | 25.95         | 31.23         | 7.0                           | 6.49          | 6.60          | —                             | 0.40          | 0.49          | 72.0                          | 34.51         | 33.30         |
| 26         | —                             | 1.76          | 1.47          | 8.0                           | 1.04          | 0.96          | —                             | 33.77         | 26.58         | —                             | 5.61          | 6.15          | —                             | 0.31          | 0.46          | 11.0                          | 32.56         | 30.68         |
| 27         | 2.0                           | 1.70          | 1.58          | —                             | 1.04          | 0.96          | —                             | 29.44         | 29.75         | 1.0                           | 3.98          | 4.37          | —                             | 0.29          | 0.41          | 54.0                          | 52.37         | 48.70         |
| 28         | 6.0                           | 1.70          | 1.62          | 10.0                          | 1.02          | 1.14          | 22.0                          | 27.96         | 27.59         | —                             | 3.63          | 3.94          | —                             | 0.24          | 0.29          | —                             | 8.00          | 8.10          |
| 29         | 2.0                           | 1.70          | 1.53          | —                             | —             | —             | —                             | 20.38         | 22.85         | 7.0                           | 3.97          | 4.52          | 36.0                          | 5.32          | 4.19          | —                             | 2.93          | 2.76          |
| 30         | 12.0                          | 1.67          | 1.46          | —                             | —             | —             | 4.0                           | 8.16          | 7.53          | —                             | 2.99          | 4.05          | 31.5                          | 21.07         | 23.48         | —                             | 1.54          | 1.52          |
| 31         | 12.0                          | 1.64          | 1.34          | —                             | —             | —             | 2.0                           | 8.10          | 7.38          | —                             | —             | —             | 8.5                           | 14.22         | 16.16         | —                             | —             | —             |
| 計<br>Total | 218.0                         | 90.14         | 82.68         | 216.0                         | 32.23         | 29.43         | 194.0                         | 304.79        | 333.65        | 94.5                          | 366.01        | 384.19        | 127.5                         | 68.61         | 73.57         | 258.0                         | 201.97        | 195.25        |

| 項目<br>Item |                                       | 1 9 7 8 年            |                 |                                       |                      |                 |                                       |                      |                 |                                       |                      |                 |                                       |                      |                 |                                       |                      |                 |  |
|------------|---------------------------------------|----------------------|-----------------|---------------------------------------|----------------------|-----------------|---------------------------------------|----------------------|-----------------|---------------------------------------|----------------------|-----------------|---------------------------------------|----------------------|-----------------|---------------------------------------|----------------------|-----------------|--|
|            |                                       | 7 月 July             |                 |                                       | 8 月 Aug.             |                 |                                       | 9 月 Sep.             |                 |                                       | 10 月 Oct.            |                 |                                       | 11 月 Nov.            |                 |                                       | 12 月 Dec.            |                 |  |
|            |                                       | 降水量<br>Precipitation | 流 出 量<br>Runoff |                                       | 降水量<br>Precipitation | 流 出 量<br>Runoff |                                       | 降水量<br>Precipitation | 流 出 量<br>Runoff |                                       | 降水量<br>Precipitation | 流 出 量<br>Runoff |                                       | 降水量<br>Precipitation | 流 出 量<br>Runoff |                                       | 降水量<br>Precipitation | 流 出 量<br>Runoff |  |
| 日<br>Day   | 露 場<br>Meteor-<br>ological<br>station | 1号沢<br>No. 1         | 2号沢<br>No. 2    | 露 場<br>Meteor-<br>ological<br>station | 1号沢<br>No. 1         | 2号沢<br>No. 2    | 露 場<br>Meteor-<br>ological<br>station | 1号沢<br>No. 1         | 2号沢<br>No. 2    | 露 場<br>Meteor-<br>ological<br>station | 1号沢<br>No. 1         | 2号沢<br>No. 2    | 露 場<br>Meteor-<br>ological<br>station | 1号沢<br>No. 1         | 2号沢<br>No. 2    | 露 場<br>Meteor-<br>ological<br>station | 1号沢<br>No. 1         | 2号沢<br>No. 2    |  |
| 1          | 13.5                                  | 3.00                 | 2.30            | —                                     | 0.07                 | 0.08            | —                                     | 0.13                 | 0.14            | —                                     | 0.45                 | 0.71            | —                                     | 1.04                 | 1.54            | 5.0                                   | 4.98                 | 5.34            |  |
| 2          | 1.5                                   | 2.05                 | 1.80            | —                                     | 0.07                 | 0.08            | —                                     | 0.11                 | 0.14            | —                                     | 0.31                 | 0.49            | 3.0                                   | 0.72                 | 1.12            | 34.0                                  | 23.56                | 25.33           |  |
| 3          | 22.0                                  | 8.28                 | 8.26            | 3.0                                   | 0.09                 | 0.09            | 17.5                                  | 1.20                 | 0.65            | —                                     | 0.24                 | 0.37            | 3.5                                   | 1.04                 | 1.28            | —                                     | 8.46                 | 9.18            |  |
| 4          | 8.0                                   | 11.56                | 12.43           | 5.0                                   | 0.33                 | 0.12            | 1.0                                   | 0.41                 | 0.43            | 2.0                                   | 0.25                 | 0.32            | —                                     | 0.78                 | 1.16            | 14.0                                  | 7.89                 | 8.21            |  |
| 5          | —                                     | 3.10                 | 2.99            | —                                     | 0.13                 | 0.08            | 13.5                                  | 1.91                 | 1.45            | —                                     | 0.17                 | 0.25            | —                                     | 0.60                 | 0.93            | —                                     | 5.17                 | 5.79            |  |
| 6          | —                                     | 1.53                 | 1.50            | —                                     | 0.13                 | 0.07            | 0.5                                   | 0.47                 | 0.55            | —                                     | 0.13                 | 0.20            | —                                     | 0.49                 | 0.75            | 2.0                                   | 2.98                 | 3.21            |  |
| 7          | 5.5                                   | 1.61                 | 1.34            | 22.0                                  | 0.34                 | 0.42            | —                                     | 0.23                 | 0.26            | —                                     | 0.12                 | 0.18            | —                                     | 0.39                 | 0.63            | 24.0                                  | 13.02                | 12.67           |  |
| 8          | —                                     | 0.84                 | 0.83            | 10.0                                  | 0.56                 | 0.51            | —                                     | 0.16                 | 0.17            | —                                     | 0.10                 | 0.16            | 10.5                                  | 1.04                 | 0.78            | 4.0                                   | 13.51                | 14.44           |  |
| 9          | —                                     | 0.59                 | 0.62            | —                                     | 0.48                 | 0.38            | 1.0                                   | 0.15                 | 0.14            | —                                     | 0.12                 | 0.16            | 3.0                                   | 5.90                 | 3.79            | 12.0                                  | 6.46                 | 6.03            |  |
| 10         | —                                     | 0.44                 | 0.46            | —                                     | 0.16                 | 0.14            | 6.0                                   | 0.56                 | 0.27            | 3.0                                   | 0.19                 | 0.19            | —                                     | 1.86                 | 1.58            | 4.0                                   | 11.85                | 12.40           |  |
| 11         | 9.5                                   | 1.76                 | 1.28            | —                                     | 0.13                 | 0.11            | —                                     | 0.21                 | 0.19            | 5.5                                   | 0.22                 | 0.17            | —                                     | 0.80                 | 1.12            | —                                     | 4.58                 | 4.78            |  |
| 12         | —                                     | 0.53                 | 0.53            | —                                     | 0.11                 | 0.11            | —                                     | 0.14                 | 0.14            | 3.0                                   | 0.30                 | 0.25            | —                                     | 0.59                 | 0.85            | —                                     | 2.58                 | 2.58            |  |
| 13         | —                                     | 0.36                 | 0.36            | —                                     | 0.09                 | 0.11            | —                                     | 0.13                 | 0.11            | —                                     | 0.17                 | 0.21            | 19.0                                  | 3.29                 | 5.20            | —                                     | 1.74                 | 1.75            |  |
| 14         | —                                     | 0.27                 | 0.30            | 41.0                                  | 2.59                 | 2.65            | 1.0                                   | 0.11                 | 0.11            | —                                     | 0.12                 | 0.16            | 3.0                                   | 3.38                 | 4.41            | 6.0                                   | 1.82                 | 1.63            |  |
| 15         | —                                     | 0.24                 | 0.25            | 98.0                                  | 53.94                | 57.90           | 27.0                                  | 2.58                 | 1.68            | 7.5                                   | 0.26                 | 0.19            | 26.0                                  | 17.38                | 20.05           | —                                     | 2.01                 | 2.10            |  |
| 16         | —                                     | 0.22                 | 0.22            | 72.5                                  | 52.37                | 53.12           | 16.0                                  | 5.09                 | 5.22            | 1.0                                   | 0.54                 | 0.48            | —                                     | 4.39                 | 5.57            | —                                     | 1.80                 | 1.59            |  |
| 17         | —                                     | 0.23                 | 0.24            | 9.0                                   | 23.33                | 25.37           | 8.0                                   | 5.77                 | 7.86            | —                                     | 0.19                 | 0.28            | 2.5                                   | 2.39                 | 2.75            | 4.0                                   | 1.68                 | 1.63            |  |
| 18         | —                                     | 0.20                 | 0.19            | —                                     | 2.11                 | 2.45            | —                                     | 0.94                 | 1.27            | —                                     | 0.14                 | 0.23            | 10.5                                  | 2.47                 | 2.12            | 2.0                                   | 1.50                 | 1.64            |  |
| 19         | —                                     | 0.16                 | 0.16            | —                                     | 0.81                 | 1.07            | 4.0                                   | 0.47                 | 0.63            | —                                     | 0.13                 | 0.20            | 13.5                                  | 8.96                 | 10.16           | 4.0                                   | 1.35                 | 1.47            |  |
| 20         | —                                     | 0.16                 | 0.16            | —                                     | 0.48                 | 0.65            | 3.0                                   | 0.69                 | 0.71            | 25.5                                  | 2.93                 | 2.94            | 4.0                                   | 5.18                 | 6.83            | 10.0                                  | 1.33                 | 1.33            |  |
| 21         | —                                     | 0.16                 | 0.14            | 6.0                                   | 0.79                 | 0.70            | —                                     | 0.47                 | 0.65            | 3.5                                   | 1.04                 | 1.99            | —                                     | 2.64                 | 3.54            | —                                     | 1.22                 | 1.20            |  |
| 22         | —                                     | 0.14                 | 0.13            | 33.0                                  | 12.21                | 13.56           | —                                     | 0.27                 | 0.44            | —                                     | 0.50                 | 1.00            | 7.0                                   | 2.30                 | 2.51            | —                                     | 2.08                 | 1.73            |  |
| 23         | —                                     | 0.12                 | 0.12            | —                                     | 1.20                 | 1.70            | 3.0                                   | 0.33                 | 0.37            | —                                     | 0.31                 | 0.60            | —                                     | 1.74                 | 2.26            | —                                     | 1.45                 | 1.56            |  |
| 24         | —                                     | 0.11                 | 0.12            | 1.0                                   | 0.51                 | 0.74            | —                                     | 0.26                 | 0.31            | 4.5                                   | 0.42                 | 0.52            | —                                     | 1.25                 | 1.57            | 6.0                                   | 4.08                 | 4.05            |  |
| 25         | —                                     | 0.10                 | 0.11            | —                                     | 0.37                 | 0.46            | —                                     | 0.19                 | 0.24            | 3.0                                   | 0.94                 | 1.05            | —                                     | 0.99                 | 1.17            | —                                     | 2.90                 | 2.95            |  |
| 26         | —                                     | 0.10                 | 0.10            | —                                     | 0.30                 | 0.36            | 9.0                                   | 0.87                 | 0.74            | 0.5                                   | 0.48                 | 0.76            | 0.5                                   | 0.81                 | 0.98            | —                                     | 2.50                 | 2.40            |  |
| 27         | —                                     | 0.10                 | 0.09            | —                                     | 0.25                 | 0.31            | —                                     | 0.27                 | 0.41            | 23.0                                  | 6.65                 | 8.41            | 7.0                                   | 1.27                 | 1.18            | 4.0                                   | 2.41                 | 2.52            |  |
| 28         | —                                     | 0.10                 | 0.09            | —                                     | 0.22                 | 0.26            | 1.0                                   | 0.20                 | 0.28            | 41.5                                  | 17.93                | 24.78           | 3.0                                   | 2.52                 | 2.63            | —                                     | 2.29                 | 2.73            |  |
| 29         | —                                     | 0.09                 | 0.09            | 4.5                                   | 0.17                 | 0.18            | 19.5                                  | 4.02                 | 4.43            | 15.0                                  | 17.66                | 35.91           | 14.5                                  | 9.10                 | 9.78            | 4.0                                   | 1.67                 | 1.80            |  |
| 30         | —                                     | 0.08                 | 0.09            | —                                     | 0.18                 | 0.16            | —                                     | 0.93                 | 1.44            | —                                     | 2.61                 | 4.09            | 11.0                                  | 7.53                 | 7.79            | 12.0                                  | 1.36                 | 1.40            |  |
| 31         | —                                     | 0.08                 | 0.09            | —                                     | 0.14                 | 0.15            | —                                     | —                    | —               | 3.5                                   | 1.21                 | 1.88            | —                                     | —                    | —               | 2.0                                   | 1.22                 | 1.02            |  |
| 計<br>Total | 60.0                                  | 38.31                | 37.39           | 305.0                                 | 154.66               | 164.09          | 131.0                                 | 29.27                | 31.43           | 142.0                                 | 56.83                | 89.13           | 141.5                                 | 89.84                | 106.03          | 153.0                                 | 141.45               | 146.56          |  |

Appendix-Table 2. 1 号 沢 ・ 2 号 沢 の  
Moving average of monthly runoff No. 1 and

(1) 1 号 沢 No. 1

| 年<br>Year | 1 月 January               |                           |                |                  | 2 月 February              |                           |                |                  |
|-----------|---------------------------|---------------------------|----------------|------------------|---------------------------|---------------------------|----------------|------------------|
|           | 月流出量<br>Monthly<br>runoff | 移 動 平 均<br>Moving average |                |                  | 月流出量<br>Monthly<br>runoff | 移 動 平 均<br>Moving average |                |                  |
|           |                           | 3 年<br>3 years            | 5 年<br>5 years | 10 年<br>10 years |                           | 3 年<br>3 years            | 5 年<br>5 years | 10 年<br>10 years |
| 1939      | 43.61                     |                           |                |                  | 33.82                     |                           |                |                  |
| 1940      | 36.24                     |                           |                |                  | 30.83                     |                           |                |                  |
| 1941      | 67.81                     | 49.22                     |                |                  | 56.50                     | 40.38                     |                |                  |
| 1942      | 36.41                     | 46.82                     |                |                  | 26.23                     | 37.85                     |                |                  |
| 1943      | 35.81                     | 46.68                     | 43.98          |                  | 26.52                     | 36.42                     | 34.78          |                  |
| 1944      | 43.95                     | 38.72                     | 44.04          |                  | 31.83                     | 28.19                     | 34.38          |                  |
| 1945      | 36.02                     | 38.59                     | 44.00          |                  | 26.36                     | 28.24                     | 33.49          |                  |
| 1946      | 143.38                    | 74.45                     | 59.11          |                  | 54.83                     | 37.67                     | 33.15          |                  |
| 1947      | 103.00                    | 94.13                     | 72.43          |                  | 33.02                     | 38.07                     | 34.51          |                  |
| 1948      | 110.09                    | 118.82                    | 87.29          | 54.62            | 56.28                     | 48.04                     | 40.46          | 31.99            |
| 1949      | 218.03                    | 143.71                    | 122.10         | 61.27            | 201.68                    | 96.99                     | 74.43          | 34.24            |
| 1950      | 111.03                    | 146.38                    | 137.11         | 79.45            | 190.96                    | 149.64                    | 107.35         | 51.33            |
| 1951      | 43.40                     | 124.15                    | 117.11         | 83.77            | 91.20                     | 161.28                    | 114.63         | 64.77            |
| 1952      | 65.97                     | 73.47                     | 109.70         | 84.71            | 38.01                     | 106.72                    | 115.63         | 65.73            |
| 1953      | 77.60                     | 62.32                     | 103.21         | 87.67            | 53.39                     | 60.87                     | 115.05         | 66.91            |
| 1954      | 60.83                     | 68.13                     | 71.77          | 91.84            | 169.93                    | 87.11                     | 108.70         | 69.60            |
| 1955      | 49.60                     | 62.68                     | 59.48          | 93.53            | 163.95                    | 129.09                    | 103.30         | 83.41            |
| 1956      | 72.20                     | 60.88                     | 65.24          | 94.89            | 55.34                     | 129.74                    | 96.12          | 97.17            |
| 1957      | 85.13                     | 68.98                     | 69.07          | 87.77            | 56.62                     | 91.97                     | 99.85          | 97.22            |
| 1958      | 106.27                    | 87.87                     | 74.81          | 85.99            | 115.45                    | 75.80                     | 112.26         | 99.58            |
| 1959      | 104.43                    | 98.61                     | 83.53          | 85.60            | 221.42                    | 131.16                    | 122.56         | 105.50           |
| 1960      | 129.09                    | 113.26                    | 99.42          | 74.24            | 166.05                    | 167.64                    | 122.98         | 107.47           |
| 1961      | 50.02                     | 94.51                     | 94.99          | 76.05            | 69.75                     | 152.41                    | 125.86         | 104.98           |
| 1962      | 123.40                    | 100.84                    | 102.64         | 76.71            | 98.20                     | 111.33                    | 134.17         | 102.83           |
| 1963      | 58.81                     | 77.41                     | 93.15          | 82.46            | 37.52                     | 68.49                     | 118.59         | 108.85           |
| 1964      | 167.61                    | 116.61                    | 105.79         | 80.58            | 40.93                     | 58.88                     | 82.49          | 107.27           |
| 1965      | 109.05                    | 111.82                    | 101.78         | 91.25            | 61.22                     | 46.56                     | 61.52          | 94.37            |
| 1966      | 135.17                    | 137.28                    | 118.81         | 97.20            | 191.57                    | 97.91                     | 85.89          | 84.09            |
| 1967      | 42.01                     | 95.41                     | 102.53         | 103.50           | 80.23                     | 111.01                    | 82.29          | 97.72            |
| 1968      | 87.37                     | 88.18                     | 108.24         | 99.18            | 35.09                     | 102.30                    | 81.81          | 100.08           |
| 1969      | 92.28                     | 73.89                     | 93.18          | 97.29            | 137.61                    | 84.31                     | 101.14         | 92.04            |
| 1970      | 90.18                     | 89.94                     | 89.40          | 96.08            | 129.45                    | 100.72                    | 114.79         | 83.66            |
| 1971      | 62.89                     | 81.78                     | 74.95          | 92.19            | 117.24                    | 128.10                    | 99.92          | 80.00            |
| 1972      | 206.49                    | 119.85                    | 107.84         | 93.48            | 140.68                    | 129.12                    | 112.01         | 84.75            |
| 1973      | 140.10                    | 136.49                    | 118.39         | 101.78           | 124.65                    | 127.52                    | 129.93         | 89.00            |
| 1974      | 51.32                     | 132.64                    | 110.20         | 109.91           | 48.80                     | 104.71                    | 112.16         | 97.71            |
| 1975      | 57.98                     | 83.13                     | 103.76         | 98.28            | 54.77                     | 76.07                     | 97.23          | 98.50            |
| 1976      | 95.12                     | 68.14                     | 110.20         | 93.18            | 115.83                    | 73.13                     | 96.95          | 97.85            |
| 1977      | 34.02                     | 62.37                     | 75.71          | 89.17            | 81.58                     | 84.06                     | 85.13          | 90.28            |
| 1978      | 90.14                     | 73.09                     | 65.72          | 88.37            | 32.23                     | 76.55                     | 66.64          | 90.41            |

月流出量の移動平均値  
No. 2 experimental watersheds

(単位: mm)

| 3 月 March                 |                           |                |                  | 4 月 April                 |                           |                |                  | 年<br>Year |
|---------------------------|---------------------------|----------------|------------------|---------------------------|---------------------------|----------------|------------------|-----------|
| 月流出量<br>Monthly<br>runoff | 移 動 平 均<br>Moving average |                |                  | 月流出量<br>Monthly<br>runoff | 移 動 平 均<br>Moving average |                |                  |           |
|                           | 3 年<br>3 years            | 5 年<br>5 years | 10 年<br>10 years |                           | 3 年<br>3 years            | 5 年<br>5 years | 10 年<br>10 years |           |
| 222.97                    |                           |                |                  | 696.26                    |                           |                |                  | 1939      |
| 238.45                    |                           |                |                  | 617.28                    |                           |                |                  | 1940      |
| 278.01                    | 246.48                    |                |                  | 189.73                    | 501.09                    |                |                  | 1941      |
| 432.44                    | 316.30                    |                |                  | 201.38                    | 336.13                    |                |                  | 1942      |
| 226.54                    | 312.33                    | 279.68         |                  | 586.35                    | 325.82                    | 458.20         |                  | 1943      |
| 204.34                    | 287.77                    | 275.96         |                  | 569.49                    | 452.41                    | 432.85         |                  | 1944      |
| 294.75                    | 241.88                    | 287.22         |                  | 723.00                    | 626.28                    | 453.99         |                  | 1945      |
| 260.34                    | 253.14                    | 283.68         |                  | 822.29                    | 704.93                    | 580.50         |                  | 1946      |
| 188.34                    | 247.81                    | 234.86         |                  | 726.05                    | 757.11                    | 685.44         |                  | 1947      |
| 318.14                    | 255.61                    | 253.18         | 234.62           | 375.01                    | 641.12                    | 643.17         | 513.18           | 1948      |
| 147.50                    | 217.99                    | 241.81         | 244.14           | 346.86                    | 482.64                    | 598.64         | 481.06           | 1949      |
| 250.31                    | 238.65                    | 232.93         | 235.04           | 268.25                    | 330.04                    | 507.69         | 454.02           | 1950      |
| 376.51                    | 258.11                    | 256.16         | 232.27           | 360.38                    | 325.16                    | 415.31         | 461.87           | 1951      |
| 255.44                    | 294.09                    | 269.58         | 230.91           | 432.66                    | 353.76                    | 356.63         | 451.77           | 1952      |
| 463.79                    | 365.25                    | 298.71         | 213.21           | 464.08                    | 419.04                    | 374.45         | 474.90           | 1953      |
| 236.63                    | 318.62                    | 316.54         | 236.93           | 121.44                    | 339.39                    | 329.36         | 462.67           | 1954      |
| 344.69                    | 348.37                    | 335.41         | 240.16           | 304.16                    | 296.56                    | 336.54         | 417.87           | 1955      |
| 343.66                    | 308.33                    | 328.84         | 245.15           | 343.04                    | 256.21                    | 333.08         | 375.98           | 1956      |
| 123.09                    | 270.48                    | 302.37         | 253.49           | 747.15                    | 464.78                    | 395.97         | 328.06           | 1957      |
| 295.63                    | 254.13                    | 268.74         | 246.96           | 410.69                    | 500.29                    | 385.30         | 330.17           | 1958      |
| 468.64                    | 295.79                    | 315.14         | 244.71           | 158.55                    | 438.80                    | 392.72         | 333.74           | 1959      |
| 386.36                    | 383.54                    | 323.48         | 276.82           | 339.25                    | 302.83                    | 399.74         | 314.91           | 1960      |
| 288.03                    | 381.01                    | 312.35         | 290.43           | 566.88                    | 354.89                    | 444.50         | 322.01           | 1961      |
| 234.81                    | 303.07                    | 334.69         | 281.58           | 584.30                    | 496.81                    | 411.93         | 342.66           | 1962      |
| 299.18                    | 274.01                    | 335.40         | 279.52           | 618.74                    | 589.97                    | 453.54         | 357.82           | 1963      |
| 240.60                    | 258.20                    | 289.80         | 263.06           | 521.26                    | 574.77                    | 526.09         | 373.29           | 1964      |
| 146.75                    | 228.84                    | 241.87         | 263.45           | 578.43                    | 572.81                    | 573.92         | 413.27           | 1965      |
| 426.96                    | 271.44                    | 269.66         | 243.66           | 319.68                    | 473.12                    | 524.48         | 440.69           | 1966      |
| 358.58                    | 310.76                    | 294.41         | 251.99           | 390.27                    | 429.46                    | 485.68         | 438.36           | 1967      |
| 372.45                    | 385.99                    | 309.07         | 275.54           | 506.30                    | 405.42                    | 463.19         | 402.67           | 1968      |
| 248.47                    | 326.50                    | 310.64         | 283.22           | 522.43                    | 473.00                    | 463.42         | 412.23           | 1969      |
| 79.19                     | 233.37                    | 297.13         | 261.20           | 647.54                    | 558.76                    | 477.24         | 448.62           | 1970      |
| 294.90                    | 207.52                    | 270.72         | 230.49           | 354.53                    | 508.17                    | 484.21         | 479.45           | 1971      |
| 323.56                    | 232.55                    | 263.71         | 231.17           | 108.10                    | 370.06                    | 427.78         | 458.21           | 1972      |
| 173.86                    | 264.11                    | 224.00         | 240.05           | 236.86                    | 233.16                    | 373.89         | 410.59           | 1973      |
| 154.86                    | 217.43                    | 205.27         | 227.52           | 891.00                    | 411.99                    | 447.61         | 372.41           | 1974      |
| 348.12                    | 225.61                    | 259.06         | 218.94           | 368.88                    | 498.91                    | 391.87         | 409.38           | 1975      |
| 268.03                    | 257.00                    | 253.69         | 239.08           | 255.36                    | 505.08                    | 372.04         | 388.42           | 1976      |
| 390.15                    | 335.43                    | 267.00         | 223.19           | 461.35                    | 361.86                    | 442.69         | 381.99           | 1977      |
| 304.79                    | 320.99                    | 293.19         | 226.34           | 366.01                    | 360.91                    | 468.52         | 389.10           | 1978      |

Appendix-Table 2-(1). (つづき) (Continued)

| 年<br>Year | 5 月 May                   |                           |                |                  | 6 月 June                  |                           |                |                  |
|-----------|---------------------------|---------------------------|----------------|------------------|---------------------------|---------------------------|----------------|------------------|
|           | 月流出量<br>Monthly<br>runoff | 移 動 平 均<br>Moving average |                |                  | 月流出量<br>Monthly<br>runoff | 移 動 平 均<br>Moving average |                |                  |
|           |                           | 3 年<br>3 years            | 5 年<br>5 years | 10 年<br>10 years |                           | 3 年<br>3 years            | 5 年<br>5 years | 10 年<br>10 years |
| 1939      | 69.56                     |                           |                |                  | 35.76                     |                           |                |                  |
| 1940      | 88.52                     |                           |                |                  | 4.36                      |                           |                |                  |
| 1941      | 68.77                     | 75.62                     |                |                  | 114.13                    | 51.42                     |                |                  |
| 1942      | 19.07                     | 58.79                     |                |                  | 28.90                     | 49.13                     |                |                  |
| 1943      | 122.35                    | 70.06                     | 73.65          |                  | 82.65                     | 75.23                     | 53.16          |                  |
| 1944      | 178.22                    | 106.55                    | 95.39          |                  | 27.11                     | 46.22                     | 51.43          |                  |
| 1945      | 143.03                    | 147.87                    | 106.29         |                  | 79.45                     | 63.07                     | 66.45          |                  |
| 1946      | 167.72                    | 162.99                    | 126.08         |                  | 488.16                    | 198.24                    | 141.25         |                  |
| 1947      | 174.39                    | 161.71                    | 157.14         |                  | 170.04                    | 245.88                    | 169.48         |                  |
| 1948      | 54.13                     | 132.08                    | 143.50         | 103.16           | 103.72                    | 253.97                    | 173.69         | 103.06           |
| 1949      | 83.14                     | 103.89                    | 124.48         | 101.62           | 29.79                     | 101.18                    | 174.23         | 109.85           |
| 1950      | 55.91                     | 64.39                     | 107.06         | 101.08           | 127.37                    | 86.96                     | 183.81         | 112.39           |
| 1951      | 71.68                     | 70.24                     | 87.85          | 99.80            | 34.51                     | 63.89                     | 93.08          | 113.72           |
| 1952      | 31.62                     | 53.07                     | 59.30          | 90.89            | 77.71                     | 79.86                     | 74.62          | 113.05           |
| 1953      | 47.11                     | 50.14                     | 57.89          | 92.15            | 80.22                     | 64.15                     | 69.92          | 117.93           |
| 1954      | 110.19                    | 62.97                     | 63.30          | 84.62            | 147.91                    | 101.95                    | 93.54          | 117.69           |
| 1955      | 178.26                    | 111.85                    | 87.77          | 77.82            | 306.80                    | 178.31                    | 129.43         | 129.77           |
| 1956      | 98.16                     | 128.87                    | 93.07          | 81.34            | 230.84                    | 228.52                    | 168.70         | 152.50           |
| 1957      | 115.41                    | 130.61                    | 109.83         | 74.39            | 35.12                     | 190.92                    | 160.18         | 126.77           |
| 1958      | 31.04                     | 81.54                     | 106.61         | 68.49            | 16.58                     | 94.18                     | 147.45         | 113.28           |
| 1959      | 73.33                     | 73.26                     | 99.24          | 66.18            | 60.77                     | 37.49                     | 130.02         | 104.56           |
| 1960      | 80.18                     | 61.52                     | 79.62          | 65.20            | 71.67                     | 49.67                     | 83.00          | 107.66           |
| 1961      | 47.70                     | 67.07                     | 69.53          | 67.63            | 123.14                    | 85.19                     | 61.46          | 102.09           |
| 1962      | 81.74                     | 69.87                     | 62.80          | 65.23            | 103.13                    | 99.31                     | 75.06          | 110.95           |
| 1963      | 166.73                    | 98.72                     | 89.94          | 70.24            | 129.35                    | 118.54                    | 97.61          | 113.50           |
| 1964      | 35.75                     | 94.74                     | 82.42          | 82.20            | 58.13                     | 96.87                     | 97.08          | 118.41           |
| 1965      | 328.41                    | 176.96                    | 132.07         | 74.76            | 49.29                     | 78.92                     | 92.61          | 109.43           |
| 1966      | 58.07                     | 140.74                    | 134.14         | 89.77            | 86.68                     | 64.70                     | 85.32          | 83.68            |
| 1967      | 20.84                     | 135.77                    | 121.96         | 85.76            | 18.17                     | 51.38                     | 68.32          | 69.26            |
| 1968      | 129.75                    | 69.55                     | 114.56         | 76.31            | 51.11                     | 51.99                     | 52.68          | 67.57            |
| 1969      | 58.56                     | 69.72                     | 119.13         | 86.18            | 48.47                     | 39.25                     | 50.74          | 71.02            |
| 1970      | 68.14                     | 85.48                     | 67.07          | 84.70            | 12.16                     | 37.25                     | 43.32          | 69.79            |
| 1971      | 131.07                    | 85.92                     | 81.67          | 83.50            | 102.49                    | 54.37                     | 46.48          | 63.84            |
| 1972      | 119.45                    | 106.22                    | 101.39         | 91.83            | 24.70                     | 46.45                     | 47.79          | 61.78            |
| 1973      | 52.87                     | 101.13                    | 86.02          | 95.60            | 30.80                     | 52.66                     | 43.72          | 53.93            |
| 1974      | 245.25                    | 139.19                    | 123.36         | 84.22            | 58.28                     | 37.93                     | 45.69          | 44.08            |
| 1975      | 63.42                     | 120.51                    | 122.41         | 105.17           | 18.92                     | 36.00                     | 47.04          | 44.09            |
| 1976      | 65.01                     | 124.56                    | 109.20         | 78.67            | 71.64                     | 49.61                     | 40.87          | 41.06            |
| 1977      | 160.73                    | 96.39                     | 117.46         | 79.36            | 41.22                     | 43.93                     | 44.17          | 39.55            |
| 1978      | 68.61                     | 98.12                     | 120.60         | 93.35            | 201.97                    | 104.94                    | 78.41          | 41.86            |

| 7 月 July                  |                           |                |                  | 8 月 August                |                           |                |                  | 年<br>Year |
|---------------------------|---------------------------|----------------|------------------|---------------------------|---------------------------|----------------|------------------|-----------|
| 月流出量<br>Monthly<br>runoff | 移 動 平 均<br>Moving average |                |                  | 月流出量<br>Monthly<br>runoff | 移 動 平 均<br>Moving average |                |                  |           |
|                           | 3 年<br>3 years            | 5 年<br>5 years | 10 年<br>10 years |                           | 3 年<br>3 years            | 5 年<br>5 years | 10 年<br>10 years |           |
| 37.36                     |                           |                |                  | 55.24                     |                           |                |                  | 1939      |
| 481.15                    |                           |                |                  | 43.76                     |                           |                |                  | 1940      |
| 274.34                    | 264.28                    |                |                  | 19.32                     | 39.44                     |                |                  | 1941      |
| 44.36                     | 266.62                    |                |                  | 37.56                     | 33.55                     |                |                  | 1942      |
| 1.05                      | 106.58                    | 167.65         |                  | 243.64                    | 100.17                    | 79.90          |                  | 1943      |
| 540.73                    | 195.38                    | 268.33         |                  | 16.49                     | 99.23                     | 72.15          |                  | 1944      |
| 140.35                    | 227.38                    | 200.17         |                  | 10.17                     | 90.10                     | 65.44          |                  | 1945      |
| 43.91                     | 241.66                    | 154.08         |                  | 10.78                     | 12.48                     | 63.73          |                  | 1946      |
| 470.34                    | 218.20                    | 239.28         |                  | 322.08                    | 114.34                    | 120.63         |                  | 1947      |
| 120.02                    | 211.42                    | 263.07         | 203.36           | 114.67                    | 149.18                    | 94.84          | 75.90            | 1948      |
| 41.82                     | 210.73                    | 163.29         | 211.63           | 22.17                     | 152.97                    | 95.97          | 81.85            | 1949      |
| 132.75                    | 98.20                     | 161.77         | 167.69           | 8.17                      | 48.34                     | 95.57          | 79.69            | 1950      |
| 28.49                     | 67.69                     | 158.68         | 153.53           | 12.64                     | 14.33                     | 95.95          | 78.57            | 1951      |
| 201.27                    | 120.84                    | 104.87         | 142.36           | 225.50                    | 82.10                     | 76.63          | 68.22            | 1952      |
| 160.77                    | 130.18                    | 113.02         | 158.05           | 341.20                    | 193.11                    | 121.94         | 87.02            | 1953      |
| 78.99                     | 147.01                    | 120.45         | 174.03           | 3.15                      | 189.95                    | 118.13         | 96.77            | 1954      |
| 77.40                     | 105.72                    | 109.38         | 127.85           | 38.43                     | 127.59                    | 124.18         | 95.44            | 1955      |
| 198.84                    | 118.41                    | 143.45         | 121.56           | 87.81                     | 43.13                     | 139.22         | 98.27            | 1956      |
| 258.42                    | 178.22                    | 154.88         | 137.05           | 72.55                     | 66.26                     | 108.63         | 105.97           | 1957      |
| 406.34                    | 287.87                    | 204.00         | 115.86           | 136.49                    | 98.95                     | 67.69          | 81.02            | 1958      |
| 346.96                    | 337.24                    | 257.59         | 144.49           | 132.09                    | 113.71                    | 93.47          | 83.20            | 1959      |
| 179.77                    | 311.02                    | 278.07         | 175.00           | 51.61                     | 106.73                    | 96.11          | 94.19            | 1960      |
| 322.89                    | 283.21                    | 302.88         | 179.71           | 92.21                     | 91.97                     | 96.99          | 98.53            | 1961      |
| 124.30                    | 208.99                    | 276.05         | 209.15           | 153.69                    | 99.17                     | 113.22         | 106.49           | 1962      |
| 275.56                    | 240.92                    | 249.90         | 201.45           | 107.97                    | 117.96                    | 107.51         | 99.31            | 1963      |
| 351.63                    | 250.50                    | 250.83         | 212.93           | 30.22                     | 97.29                     | 87.14          | 75.99            | 1964      |
| 542.68                    | 389.96                    | 323.41         | 240.19           | 131.97                    | 90.05                     | 103.21         | 78.69            | 1965      |
| 355.33                    | 416.55                    | 329.90         | 286.72           | 46.28                     | 69.49                     | 94.03          | 88.05            | 1966      |
| 172.77                    | 356.93                    | 339.59         | 302.37           | 180.86                    | 119.70                    | 99.46          | 83.90            | 1967      |
| 114.85                    | 214.32                    | 307.45         | 293.80           | 291.30                    | 172.81                    | 136.13         | 94.73            | 1968      |
| 411.00                    | 232.87                    | 319.33         | 264.65           | 441.89                    | 304.68                    | 218.46         | 110.21           | 1969      |
| 40.17                     | 188.67                    | 218.82         | 271.06           | 80.81                     | 271.33                    | 208.23         | 141.19           | 1970      |
| 437.70                    | 296.29                    | 235.30         | 257.10           | 155.94                    | 226.21                    | 230.16         | 144.11           | 1971      |
| 288.06                    | 255.31                    | 258.36         | 268.58           | 187.27                    | 141.34                    | 231.44         | 150.48           | 1972      |
| 9.43                      | 245.06                    | 237.27         | 284.96           | 132.22                    | 158.48                    | 199.63         | 153.84           | 1973      |
| 324.83                    | 207.44                    | 220.04         | 258.34           | 82.72                     | 134.07                    | 127.79         | 156.26           | 1974      |
| 175.23                    | 169.83                    | 247.05         | 255.66           | 213.51                    | 142.82                    | 154.33         | 161.51           | 1975      |
| 46.96                     | 182.34                    | 168.90         | 218.92           | 246.57                    | 180.93                    | 172.46         | 169.67           | 1976      |
| 140.20                    | 120.80                    | 139.33         | 188.08           | 116.13                    | 192.07                    | 158.23         | 189.70           | 1977      |
| 38.31                     | 75.16                     | 145.11         | 184.82           | 154.66                    | 172.45                    | 162.72         | 183.22           | 1978      |

Appendix-Table 2-(1). (つづき) (Continued)

| 年<br>Year | 9 月 September             |                           |                |                  | 10 月 October              |                           |                |                  |
|-----------|---------------------------|---------------------------|----------------|------------------|---------------------------|---------------------------|----------------|------------------|
|           | 月流出量<br>Monthly<br>runoff | 移 動 平 均<br>Moving average |                |                  | 月流出量<br>Monthly<br>runoff | 移 動 平 均<br>Moving average |                |                  |
|           |                           | 3 年<br>3 years            | 5 年<br>5 years | 10 年<br>10 years |                           | 3 年<br>3 years            | 5 年<br>5 years | 10 年<br>10 years |
| 1939      | 62.55                     |                           |                |                  | 48.85                     |                           |                |                  |
| 1940      | 109.87                    |                           |                |                  | 34.93                     |                           |                |                  |
| 1941      | 88.08                     | 86.83                     |                |                  | 82.00                     | 55.26                     |                |                  |
| 1942      | 48.72                     | 82.22                     |                |                  | 68.09                     | 61.67                     |                |                  |
| 1943      | 107.26                    | 81.35                     | 83.30          |                  | 145.86                    | 98.65                     | 75.95          |                  |
| 1944      | 57.25                     | 71.08                     | 82.24          |                  | 63.34                     | 92.43                     | 78.84          |                  |
| 1945      | 233.79                    | 132.77                    | 107.02         |                  | 241.10                    | 150.10                    | 120.08         |                  |
| 1946      | 54.53                     | 115.19                    | 100.31         |                  | 71.39                     | 125.28                    | 117.96         |                  |
| 1947      | 269.87                    | 186.06                    | 144.54         |                  | 157.09                    | 156.53                    | 135.76         |                  |
| 1948      | 133.13                    | 152.51                    | 149.71         | 103.19           | 234.76                    | 154.41                    | 153.54         | 91.27            |
| 1949      | 93.36                     | 165.45                    | 156.94         | 110.25           | 74.80                     | 155.55                    | 155.83         | 109.86           |
| 1950      | 47.61                     | 91.37                     | 119.70         | 108.60           | 113.82                    | 141.13                    | 130.37         | 113.84           |
| 1951      | 74.54                     | 71.84                     | 123.70         | 104.55           | 101.67                    | 96.76                     | 136.43         | 117.03           |
| 1952      | 100.06                    | 74.07                     | 89.74          | 101.00           | 40.65                     | 85.38                     | 113.14         | 126.63           |
| 1953      | 101.63                    | 92.08                     | 83.44          | 106.13           | 19.83                     | 54.05                     | 70.15          | 123.88           |
| 1954      | 38.24                     | 79.98                     | 72.42          | 105.57           | 72.79                     | 44.42                     | 69.75          | 111.28           |
| 1955      | 76.07                     | 71.98                     | 78.11          | 103.67           | 197.35                    | 96.66                     | 86.46          | 112.22           |
| 1956      | 33.42                     | 49.24                     | 69.88          | 87.89            | 58.59                     | 109.58                    | 77.84          | 107.85           |
| 1957      | 58.48                     | 55.99                     | 61.57          | 85.78            | 118.03                    | 124.66                    | 93.32          | 106.57           |
| 1958      | 203.25                    | 98.38                     | 81.89          | 64.64            | 168.45                    | 115.02                    | 123.04         | 102.66           |
| 1959      | 102.27                    | 121.33                    | 94.70          | 71.66            | 88.14                     | 124.87                    | 126.11         | 96.03            |
| 1960      | 72.02                     | 125.85                    | 93.89          | 72.55            | 48.41                     | 101.67                    | 96.32          | 97.37            |
| 1961      | 136.13                    | 103.47                    | 114.43         | 74.99            | 62.50                     | 66.35                     | 97.11          | 90.83            |
| 1962      | 146.01                    | 118.05                    | 131.94         | 81.15            | 104.03                    | 71.65                     | 94.31          | 86.91            |
| 1963      | 167.46                    | 149.87                    | 124.78         | 85.74            | 102.27                    | 89.60                     | 81.07          | 93.25            |
| 1964      | 274.90                    | 196.12                    | 159.30         | 92.33            | 106.59                    | 104.35                    | 84.76          | 101.49           |
| 1965      | 50.41                     | 164.26                    | 154.98         | 115.99           | 82.29                     | 97.05                     | 91.54          | 104.87           |
| 1966      | 62.06                     | 129.12                    | 140.17         | 113.43           | 251.02                    | 146.63                    | 129.24         | 93.36            |
| 1967      | 95.24                     | 69.24                     | 130.01         | 116.29           | 77.97                     | 137.09                    | 124.03         | 112.61           |
| 1968      | 17.58                     | 58.29                     | 100.04         | 119.97           | 34.17                     | 121.05                    | 110.41         | 108.60           |
| 1969      | 93.62                     | 68.81                     | 63.78          | 101.40           | 68.11                     | 60.08                     | 102.71         | 95.17            |
| 1970      | 70.70                     | 60.63                     | 67.84          | 100.53           | 104.51                    | 68.93                     | 107.16         | 93.17            |
| 1971      | 96.72                     | 87.01                     | 74.77          | 100.40           | 127.43                    | 100.02                    | 82.44          | 98.78            |
| 1972      | 95.97                     | 87.80                     | 74.92          | 96.46            | 70.51                     | 100.82                    | 80.95          | 105.27           |
| 1973      | 232.24                    | 141.64                    | 117.85         | 91.46            | 156.43                    | 118.12                    | 105.40         | 101.92           |
| 1974      | 31.41                     | 119.87                    | 105.41         | 97.93            | 98.29                     | 108.41                    | 111.43         | 107.34           |
| 1975      | 17.04                     | 93.56                     | 94.68          | 73.59            | 78.83                     | 111.18                    | 106.30         | 106.51           |
| 1976      | 103.11                    | 50.52                     | 95.95          | 70.25            | 150.79                    | 109.30                    | 110.97         | 106.16           |
| 1977      | 110.10                    | 76.75                     | 98.78          | 74.35            | 5.66                      | 78.43                     | 98.00          | 96.14            |
| 1978      | 29.27                     | 80.83                     | 58.19          | 75.84            | 56.83                     | 71.09                     | 78.08          | 88.91            |

| 11 月 November             |                           |                |                  | 12 月 December             |                           |                |                  | 年<br>Year |
|---------------------------|---------------------------|----------------|------------------|---------------------------|---------------------------|----------------|------------------|-----------|
| 月流出量<br>Monthly<br>runoff | 移 動 平 均<br>Moving average |                |                  | 月流出量<br>Monthly<br>runoff | 移 動 平 均<br>Moving average |                |                  |           |
|                           | 3 年<br>3 years            | 5 年<br>5 years | 10 年<br>10 years |                           | 3 年<br>3 years            | 5 年<br>5 years | 10 年<br>10 years |           |
| 107.85                    |                           |                |                  | 134.33                    |                           |                |                  | 1939      |
| 100.36                    |                           |                |                  | 175.70                    |                           |                |                  | 1940      |
| 37.86                     | 82.02                     |                |                  | 132.56                    | 147.53                    |                |                  | 1941      |
| 225.25                    | 121.16                    |                |                  | 106.79                    | 138.35                    |                |                  | 1942      |
| 216.34                    | 159.82                    | 137.53         |                  | 151.97                    | 130.44                    | 140.27         |                  | 1943      |
| 171.18                    | 204.26                    | 150.20         |                  | 101.96                    | 120.24                    | 133.80         |                  | 1944      |
| 225.12                    | 204.21                    | 175.15         |                  | 142.16                    | 132.03                    | 127.09         |                  | 1945      |
| 86.67                     | 160.99                    | 184.91         |                  | 105.84                    | 116.65                    | 121.74         |                  | 1946      |
| 177.90                    | 163.23                    | 175.44         |                  | 131.64                    | 126.55                    | 126.71         |                  | 1947      |
| 150.37                    | 138.31                    | 162.25         | 134.85           | 239.03                    | 158.84                    | 144.13         | 118.30           | 1948      |
| 150.93                    | 159.73                    | 158.20         | 139.11           | 138.52                    | 169.73                    | 151.44         | 128.77           | 1949      |
| 151.56                    | 150.95                    | 143.49         | 144.16           | 183.61                    | 187.05                    | 159.73         | 125.05           | 1950      |
| 129.69                    | 144.06                    | 152.09         | 155.53           | 314.89                    | 212.34                    | 201.54         | 130.15           | 1951      |
| 118.43                    | 133.23                    | 140.20         | 147.25           | 86.20                     | 194.90                    | 192.45         | 143.64           | 1952      |
| 178.06                    | 142.06                    | 145.73         | 136.57           | 149.29                    | 183.46                    | 174.50         | 141.58           | 1953      |
| 100.62                    | 132.37                    | 135.67         | 132.74           | 91.05                     | 108.85                    | 165.01         | 141.31           | 1954      |
| 226.44                    | 168.37                    | 150.65         | 125.69           | 229.29                    | 156.54                    | 174.14         | 140.22           | 1955      |
| 267.60                    | 198.22                    | 178.23         | 125.82           | 175.84                    | 165.39                    | 146.33         | 148.93           | 1956      |
| 110.35                    | 201.46                    | 176.61         | 143.91           | 165.82                    | 190.32                    | 162.26         | 155.93           | 1957      |
| 136.48                    | 171.48                    | 168.30         | 137.16           | 233.29                    | 191.65                    | 179.06         | 159.35           | 1958      |
| 165.31                    | 137.38                    | 181.24         | 135.77           | 157.71                    | 185.61                    | 192.39         | 158.77           | 1959      |
| 100.70                    | 134.16                    | 156.09         | 137.21           | 321.12                    | 237.37                    | 210.76         | 160.69           | 1960      |
| 292.77                    | 186.26                    | 161.12         | 132.12           | 149.22                    | 209.35                    | 205.43         | 174.44           | 1961      |
| 179.52                    | 191.00                    | 174.96         | 148.43           | 214.46                    | 228.27                    | 215.16         | 157.88           | 1962      |
| 255.32                    | 242.54                    | 198.72         | 154.54           | 224.21                    | 195.96                    | 213.34         | 170.70           | 1963      |
| 245.38                    | 226.74                    | 214.74         | 162.26           | 187.18                    | 208.62                    | 219.24         | 178.20           | 1964      |
| 213.09                    | 237.93                    | 237.22         | 176.74           | 256.46                    | 222.62                    | 206.31         | 187.81           | 1965      |
| 198.59                    | 219.02                    | 218.38         | 175.40           | 105.27                    | 182.97                    | 197.52         | 190.53           | 1966      |
| 161.22                    | 190.97                    | 214.72         | 168.50           | 133.11                    | 164.95                    | 181.25         | 183.47           | 1967      |
| 135.48                    | 165.10                    | 190.75         | 173.59           | 204.37                    | 147.58                    | 177.28         | 180.20           | 1968      |
| 150.47                    | 149.06                    | 171.77         | 173.49           | 211.94                    | 183.14                    | 182.23         | 177.31           | 1969      |
| 172.41                    | 152.79                    | 163.63         | 172.01           | 154.46                    | 190.26                    | 161.83         | 182.73           | 1970      |
| 116.61                    | 146.50                    | 147.24         | 179.18           | 311.65                    | 226.02                    | 203.11         | 166.06           | 1971      |
| 317.93                    | 202.32                    | 178.58         | 161.56           | 278.29                    | 248.13                    | 232.14         | 182.31           | 1972      |
| 371.87                    | 268.80                    | 222.86         | 175.40           | 147.21                    | 245.72                    | 220.71         | 188.69           | 1973      |
| 220.68                    | 303.49                    | 239.90         | 187.06           | 70.77                     | 165.42                    | 192.48         | 180.99           | 1974      |
| 123.87                    | 238.81                    | 230.19         | 184.59           | 60.40                     | 92.79                     | 173.66         | 169.35           | 1975      |
| 161.58                    | 168.71                    | 239.19         | 175.67           | 168.68                    | 99.95                     | 145.07         | 149.74           | 1976      |
| 212.48                    | 165.98                    | 218.10         | 171.96           | 180.06                    | 136.38                    | 125.42         | 156.08           | 1977      |
| 89.84                     | 154.63                    | 161.69         | 177.09           | 141.45                    | 163.40                    | 124.27         | 160.78           | 1978      |

Appendix-Table 2-(2). 2 号 沢 No. 2

| 年<br>Year | 1 月 January               |                           |                |                  | 2 月 February              |                           |                |                  |
|-----------|---------------------------|---------------------------|----------------|------------------|---------------------------|---------------------------|----------------|------------------|
|           | 月流出量<br>Monthly<br>runoff | 移 動 平 均<br>Moving average |                |                  | 月流出量<br>Monthly<br>runoff | 移 動 平 均<br>Moving average |                |                  |
|           |                           | 3 年<br>3 years            | 5 年<br>5 years | 10 年<br>10 years |                           | 3 年<br>3 years            | 5 年<br>5 years | 10 年<br>10 years |
| 1939      | 43.15                     |                           |                |                  | 34.00                     |                           |                |                  |
| 1940      | 42.96                     |                           |                |                  | 40.13                     |                           |                |                  |
| 1941      | 75.84                     | 53.98                     |                |                  | 68.18                     | 47.44                     |                |                  |
| 1942      | 42.96                     | 53.92                     |                |                  | 32.02                     | 46.78                     |                |                  |
| 1943      | 42.39                     | 53.73                     | 49.46          |                  | 32.53                     | 44.24                     | 41.37          |                  |
| 1944      | 37.82                     | 41.06                     | 48.39          |                  | 28.43                     | 30.99                     | 40.26          |                  |
| 1945      | 31.70                     | 37.30                     | 46.14          |                  | 24.46                     | 28.47                     | 37.12          |                  |
| 1946      | 134.80                    | 68.11                     | 57.93          |                  | 44.42                     | 32.44                     | 32.37          |                  |
| 1947      | 97.82                     | 88.11                     | 68.91          |                  | 30.63                     | 33.17                     | 32.09          |                  |
| 1948      | 110.11                    | 114.24                    | 82.45          | 54.94            | 66.77                     | 47.27                     | 38.94          | 33.48            |
| 1949      | 231.24                    | 146.39                    | 121.13         | 61.64            | 210.95                    | 102.78                    | 75.45          | 36.76            |
| 1950      | 116.70                    | 152.68                    | 138.13         | 80.47            | 185.60                    | 154.44                    | 107.67         | 53.84            |
| 1951      | 41.90                     | 129.95                    | 119.55         | 84.55            | 122.42                    | 172.99                    | 123.27         | 65.58            |
| 1952      | 70.12                     | 76.24                     | 114.01         | 84.64            | 39.63                     | 115.88                    | 125.07         | 66.97            |
| 1953      | 83.05                     | 65.02                     | 108.60         | 87.36            | 85.61                     | 82.55                     | 128.84         | 67.73            |
| 1954      | 65.51                     | 72.89                     | 75.46          | 91.42            | 185.43                    | 103.56                    | 123.74         | 73.04            |
| 1955      | 53.96                     | 67.51                     | 62.91          | 94.19            | 201.69                    | 157.58                    | 126.96         | 88.74            |
| 1956      | 83.51                     | 67.66                     | 71.23          | 96.42            | 70.46                     | 152.53                    | 116.56         | 106.46           |
| 1957      | 89.39                     | 75.62                     | 75.08          | 91.29            | 53.06                     | 108.40                    | 119.25         | 109.06           |
| 1958      | 121.75                    | 98.22                     | 82.82          | 90.45            | 132.76                    | 85.43                     | 128.68         | 111.31           |
| 1959      | 115.73                    | 108.96                    | 92.87          | 91.61            | 233.52                    | 139.78                    | 138.30         | 117.90           |
| 1960      | 142.67                    | 126.72                    | 110.61         | 80.06            | 195.44                    | 187.24                    | 137.05         | 120.16           |
| 1961      | 56.98                     | 105.13                    | 105.30         | 82.66            | 94.06                     | 174.34                    | 141.77         | 121.15           |
| 1962      | 121.24                    | 106.96                    | 111.67         | 84.17            | 139.94                    | 143.15                    | 159.14         | 118.31           |
| 1963      | 56.45                     | 78.22                     | 98.61          | 89.28            | 48.55                     | 94.18                     | 142.30         | 128.34           |
| 1964      | 167.71                    | 115.13                    | 109.01         | 86.62            | 59.56                     | 82.68                     | 107.51         | 124.63           |
| 1965      | 114.67                    | 112.94                    | 103.41         | 96.84            | 82.60                     | 63.57                     | 84.94          | 112.05           |
| 1966      | 156.15                    | 146.18                    | 123.24         | 102.91           | 260.72                    | 134.29                    | 118.27         | 100.14           |
| 1967      | 57.36                     | 109.39                    | 110.47         | 110.17           | 126.58                    | 156.63                    | 115.60         | 119.16           |
| 1968      | 106.46                    | 106.66                    | 120.47         | 106.97           | 57.14                     | 148.15                    | 117.32         | 126.52           |
| 1969      | 86.30                     | 83.37                     | 104.19         | 105.44           | 140.67                    | 108.13                    | 133.54         | 118.95           |
| 1970      | 102.45                    | 98.40                     | 101.74         | 102.50           | 150.29                    | 116.03                    | 147.08         | 109.67           |
| 1971      | 64.27                     | 84.34                     | 83.37          | 98.48            | 127.78                    | 139.58                    | 120.49         | 105.15           |
| 1972      | 199.23                    | 121.98                    | 111.74         | 99.20            | 135.58                    | 137.88                    | 122.29         | 108.53           |
| 1973      | 153.66                    | 139.05                    | 121.18         | 107.00           | 151.79                    | 138.38                    | 141.22         | 108.09           |
| 1974      | 63.09                     | 138.66                    | 116.54         | 116.72           | 77.11                     | 121.49                    | 128.51         | 118.41           |
| 1975      | 70.32                     | 95.69                     | 110.11         | 106.26           | 72.24                     | 100.38                    | 112.90         | 120.17           |
| 1976      | 104.86                    | 79.42                     | 118.23         | 101.83           | 140.73                    | 96.69                     | 115.49         | 119.13           |
| 1977      | 41.02                     | 72.07                     | 86.59          | 96.70            | 108.57                    | 107.18                    | 110.09         | 107.13           |
| 1978      | 82.68                     | 76.19                     | 72.39          | 95.06            | 29.43                     | 92.91                     | 85.62          | 105.33           |

| 3 月 March                 |                           |                |                  | 4 月 April                 |                           |                |                  | 年<br>Year |
|---------------------------|---------------------------|----------------|------------------|---------------------------|---------------------------|----------------|------------------|-----------|
| 月流出量<br>Monthly<br>runoff | 移 動 平 均<br>Moving average |                |                  | 月流出量<br>Monthly<br>runoff | 移 動 平 均<br>Moving average |                |                  |           |
|                           | 3 年<br>3 years            | 5 年<br>5 years | 10 年<br>10 years |                           | 3 年<br>3 years            | 5 年<br>5 years | 10 年<br>10 years |           |
| 210.88                    |                           |                |                  | 692.76                    |                           |                |                  | 1939      |
| 252.54                    |                           |                |                  | 676.76                    |                           |                |                  | 1940      |
| 297.09                    | 253.50                    |                |                  | 208.35                    | 525.96                    |                |                  | 1941      |
| 468.87                    | 339.50                    |                |                  | 216.97                    | 367.36                    |                |                  | 1942      |
| 244.13                    | 336.70                    | 294.70         |                  | 640.39                    | 355.24                    | 487.05         |                  | 1943      |
| 184.25                    | 299.08                    | 289.38         |                  | 576.31                    | 477.89                    | 463.76         |                  | 1944      |
| 304.50                    | 244.29                    | 299.77         |                  | 766.62                    | 661.11                    | 481.73         |                  | 1945      |
| 246.53                    | 245.09                    | 289.66         |                  | 793.44                    | 712.12                    | 598.75         |                  | 1946      |
| 208.80                    | 253.28                    | 237.64         |                  | 743.59                    | 767.88                    | 704.07         |                  | 1947      |
| 378.29                    | 277.87                    | 264.47         | 241.76           | 326.40                    | 621.14                    | 641.27         | 531.52           | 1948      |
| 176.40                    | 254.50                    | 262.90         | 258.50           | 339.09                    | 469.69                    | 593.83         | 474.88           | 1949      |
| 273.04                    | 275.91                    | 256.61         | 250.89           | 262.79                    | 309.43                    | 493.06         | 461.12           | 1950      |
| 415.37                    | 288.27                    | 290.38         | 248.48           | 316.16                    | 306.01                    | 397.61         | 466.56           | 1951      |
| 326.33                    | 338.25                    | 313.89         | 241.11           | 421.40                    | 333.45                    | 333.17         | 445.98           | 1952      |
| 529.20                    | 423.63                    | 344.07         | 226.86           | 462.59                    | 400.05                    | 360.41         | 466.43           | 1953      |
| 262.38                    | 372.64                    | 361.26         | 255.37           | 126.73                    | 336.91                    | 317.93         | 448.63           | 1954      |
| 357.25                    | 382.94                    | 378.11         | 263.18           | 298.11                    | 295.81                    | 325.00         | 403.69           | 1955      |
| 394.34                    | 337.99                    | 373.90         | 268.45           | 370.88                    | 265.24                    | 335.94         | 356.84           | 1956      |
| 154.07                    | 301.89                    | 339.45         | 283.24           | 774.70                    | 481.23                    | 406.60         | 314.58           | 1957      |
| 323.67                    | 290.69                    | 298.34         | 277.76           | 424.51                    | 523.36                    | 398.99         | 317.69           | 1958      |
| 472.07                    | 316.60                    | 340.28         | 272.30           | 166.72                    | 455.31                    | 406.98         | 327.50           | 1959      |
| 409.91                    | 401.88                    | 350.81         | 301.87           | 361.27                    | 317.50                    | 419.62         | 310.27           | 1960      |
| 395.14                    | 425.71                    | 350.97         | 315.55           | 541.05                    | 356.34                    | 453.65         | 320.12           | 1961      |
| 318.61                    | 374.55                    | 383.88         | 313.53           | 617.95                    | 506.76                    | 422.30         | 342.60           | 1962      |
| 391.63                    | 368.46                    | 397.47         | 312.76           | 636.96                    | 598.65                    | 464.79         | 362.26           | 1963      |
| 300.17                    | 336.80                    | 363.09         | 299.00           | 511.88                    | 588.93                    | 533.82         | 379.70           | 1964      |
| 196.21                    | 296.00                    | 320.35         | 302.78           | 719.21                    | 622.68                    | 605.41         | 418.21           | 1965      |
| 522.54                    | 339.64                    | 345.83         | 286.68           | 288.39                    | 506.49                    | 554.88         | 460.32           | 1966      |
| 440.72                    | 386.49                    | 370.25         | 299.50           | 381.91                    | 463.17                    | 507.67         | 452.07           | 1967      |
| 480.78                    | 481.35                    | 388.08         | 328.16           | 533.20                    | 401.17                    | 486.92         | 412.79           | 1968      |
| 259.20                    | 393.57                    | 379.89         | 343.87           | 490.81                    | 468.64                    | 482.70         | 423.66           | 1969      |
| 117.33                    | 285.77                    | 364.11         | 322.59           | 641.35                    | 555.12                    | 467.13         | 456.07           | 1970      |
| 338.28                    | 238.27                    | 327.26         | 293.33           | 358.59                    | 496.92                    | 481.17         | 484.08           | 1971      |
| 304.95                    | 253.52                    | 300.11         | 287.64           | 104.68                    | 368.21                    | 425.73         | 465.83           | 1972      |
| 231.91                    | 291.71                    | 250.33         | 286.28           | 288.16                    | 250.48                    | 376.72         | 414.51           | 1973      |
| 238.03                    | 258.30                    | 246.10         | 270.30           | 992.92                    | 461.92                    | 477.14         | 379.63           | 1974      |
| 437.85                    | 302.60                    | 310.20         | 264.09           | 427.31                    | 569.46                    | 434.33         | 427.73           | 1975      |
| 345.54                    | 340.47                    | 311.66         | 288.25           | 275.43                    | 565.22                    | 417.70         | 398.54           | 1076      |
| 489.05                    | 424.15                    | 348.48         | 270.55           | 521.92                    | 408.22                    | 501.15         | 397.24           | 1977      |
| 333.65                    | 389.41                    | 368.82         | 275.39           | 384.19                    | 393.85                    | 520.35         | 411.25           | 1978      |

Appendix-Table 2-(2). (つづき) (Continued)

| 年<br>Year | 5 月 May                   |                           |                |                  | 6 月 June                  |                           |                |                  |
|-----------|---------------------------|---------------------------|----------------|------------------|---------------------------|---------------------------|----------------|------------------|
|           | 月流出量<br>Monthly<br>runoff | 移 動 平 均<br>Moving average |                |                  | 月流出量<br>Monthly<br>runoff | 移 動 平 均<br>Moving average |                |                  |
|           |                           | 3 年<br>3 years            | 5 年<br>5 years | 10 年<br>10 years |                           | 3 年<br>3 years            | 5 年<br>5 years | 10 年<br>10 years |
| 1939      | 72.08                     |                           |                |                  | 31.23                     |                           |                |                  |
| 1940      | 99.75                     |                           |                |                  | 4.62                      |                           |                |                  |
| 1941      | 73.28                     | 81.70                     |                |                  | 126.08                    | 53.98                     |                |                  |
| 1942      | 21.91                     | 64.98                     |                |                  | 31.07                     | 53.92                     |                |                  |
| 1943      | 132.50                    | 75.90                     | 79.90          |                  | 87.06                     | 81.40                     | 56.01          |                  |
| 1944      | 168.61                    | 107.67                    | 99.21          |                  | 24.75                     | 47.63                     | 54.72          |                  |
| 1945      | 136.57                    | 145.89                    | 106.57         |                  | 68.42                     | 60.08                     | 67.48          |                  |
| 1946      | 159.76                    | 154.98                    | 123.87         |                  | 495.67                    | 196.28                    | 141.39         |                  |
| 1947      | 155.14                    | 150.49                    | 150.51         |                  | 181.86                    | 248.65                    | 171.55         |                  |
| 1948      | 57.35                     | 124.08                    | 135.49         | 101.96           | 117.47                    | 265.00                    | 177.63         | 105.08           |
| 1949      | 92.76                     | 101.75                    | 120.32         | 100.49           | 41.60                     | 113.64                    | 181.00         | 113.70           |
| 1950      | 59.62                     | 69.91                     | 104.93         | 99.79            | 140.31                    | 99.79                     | 195.38         | 117.40           |
| 1951      | 53.50                     | 68.63                     | 83.67          | 98.42            | 41.07                     | 74.33                     | 104.46         | 118.82           |
| 1952      | 27.40                     | 46.84                     | 58.13          | 85.53            | 93.41                     | 91.60                     | 86.77          | 118.20           |
| 1953      | 42.73                     | 41.21                     | 55.20          | 86.08            | 94.06                     | 76.18                     | 82.09          | 124.44           |
| 1954      | 118.97                    | 63.03                     | 60.44          | 77.10            | 165.73                    | 117.73                    | 106.92         | 125.14           |
| 1955      | 203.08                    | 121.59                    | 89.14          | 72.14            | 356.21                    | 205.33                    | 150.10         | 139.23           |
| 1956      | 117.90                    | 146.65                    | 102.02         | 78.79            | 235.04                    | 252.33                    | 188.89         | 168.01           |
| 1957      | 134.23                    | 151.74                    | 123.38         | 74.60            | 43.58                     | 211.61                    | 178.92         | 141.95           |
| 1958      | 41.65                     | 97.93                     | 123.17         | 72.51            | 19.03                     | 99.22                     | 163.92         | 128.12           |
| 1959      | 73.64                     | 83.17                     | 114.10         | 70.94            | 66.89                     | 43.17                     | 144.15         | 118.28           |
| 1960      | 95.09                     | 70.13                     | 92.50          | 69.03            | 94.66                     | 60.19                     | 91.84          | 120.81           |
| 1961      | 47.65                     | 72.13                     | 78.45          | 72.58            | 142.04                    | 101.20                    | 73.24          | 116.24           |
| 1962      | 67.36                     | 70.03                     | 65.08          | 71.99            | 118.67                    | 118.46                    | 88.26          | 126.34           |
| 1963      | 167.50                    | 94.17                     | 90.25          | 75.99            | 145.52                    | 135.41                    | 113.56         | 128.87           |
| 1964      | 39.80                     | 91.55                     | 83.48          | 88.46            | 74.56                     | 112.92                    | 115.09         | 134.01           |
| 1965      | 313.97                    | 173.76                    | 127.26         | 80.55            | 52.00                     | 90.69                     | 106.56         | 124.89           |
| 1966      | 69.98                     | 141.25                    | 131.72         | 91.64            | 108.33                    | 78.30                     | 99.82          | 94.47            |
| 1967      | 22.09                     | 135.35                    | 122.67         | 86.84            | 14.02                     | 58.12                     | 78.89          | 81.80            |
| 1968      | 151.92                    | 81.33                     | 119.55         | 75.63            | 51.91                     | 58.09                     | 60.16          | 78.85            |
| 1969      | 62.09                     | 78.70                     | 124.01         | 86.66            | 49.24                     | 38.39                     | 55.10          | 82.13            |
| 1970      | 55.68                     | 89.90                     | 72.35          | 85.50            | 7.38                      | 36.18                     | 46.18          | 80.37            |
| 1971      | 122.90                    | 80.22                     | 82.94          | 81.56            | 106.19                    | 54.27                     | 45.74          | 71.64            |
| 1972      | 125.65                    | 101.41                    | 103.65         | 89.09            | 23.32                     | 45.63                     | 47.61          | 68.06            |
| 1973      | 68.97                     | 105.84                    | 87.06          | 94.92            | 43.72                     | 57.74                     | 45.97          | 58.52            |
| 1974      | 268.48                    | 154.37                    | 128.34         | 85.06            | 81.52                     | 49.52                     | 52.43          | 48.34            |
| 1975      | 80.62                     | 139.36                    | 133.32         | 107.93           | 23.10                     | 49.45                     | 55.57          | 49.04            |
| 1976      | 74.95                     | 141.35                    | 123.73         | 84.60            | 92.52                     | 65.71                     | 52.84          | 46.15            |
| 1977      | 182.43                    | 112.67                    | 135.09         | 85.09            | 47.26                     | 54.29                     | 57.62          | 44.57            |
| 1978      | 73.57                     | 110.32                    | 136.01         | 101.13           | 195.25                    | 111.67                    | 87.93          | 47.89            |

| 7 月 July                  |                           |                |                  | 8 月 August                |                           |                |                  | 年<br>Year |
|---------------------------|---------------------------|----------------|------------------|---------------------------|---------------------------|----------------|------------------|-----------|
| 月流出量<br>Monthly<br>runoff | 移 動 平 均<br>Moving average |                |                  | 月流出量<br>Monthly<br>runoff | 移 動 平 均<br>Moving average |                |                  |           |
|                           | 3 年<br>3 years            | 5 年<br>5 years | 10 年<br>10 years |                           | 3 年<br>3 years            | 5 年<br>5 years | 10 年<br>10 years |           |
| 41.18                     |                           |                |                  | 64.45                     |                           |                |                  | 1939      |
| 490.91                    |                           |                |                  | 49.81                     |                           |                |                  | 1940      |
| 287.79                    | 273.29                    |                |                  | 21.28                     | 45.18                     |                |                  | 1941      |
| 49.84                     | 276.18                    |                |                  | 42.81                     | 37.97                     |                |                  | 1942      |
| 1.98                      | 113.20                    | 174.34         |                  | 246.60                    | 103.56                    | 84.99          |                  | 1943      |
| 549.40                    | 200.41                    | 275.98         |                  | 15.59                     | 101.67                    | 75.22          |                  | 1944      |
| 131.27                    | 227.55                    | 204.06         |                  | 7.50                      | 89.90                     | 66.76          |                  | 1945      |
| 45.95                     | 242.21                    | 155.69         |                  | 14.06                     | 12.38                     | 65.31          |                  | 1946      |
| 470.26                    | 215.83                    | 239.77         |                  | 340.00                    | 120.52                    | 124.75         |                  | 1947      |
| 156.53                    | 224.25                    | 270.68         | 206.86           | 144.11                    | 166.06                    | 104.25         | 80.21            | 1948      |
| 64.33                     | 230.37                    | 173.69         | 218.39           | 32.16                     | 172.09                    | 107.57         | 88.18            | 1949      |
| 142.49                    | 121.12                    | 175.91         | 175.74           | 8.89                      | 61.72                     | 107.84         | 86.41            | 1950      |
| 47.93                     | 84.92                     | 176.31         | 161.21           | 12.47                     | 17.84                     | 107.53         | 85.17            | 1951      |
| 240.24                    | 143.55                    | 130.30         | 149.45           | 253.34                    | 91.57                     | 90.19          | 73.09            | 1952      |
| 191.81                    | 156.00                    | 137.36         | 168.49           | 387.61                    | 217.81                    | 138.89         | 94.14            | 1953      |
| 87.61                     | 173.22                    | 142.02         | 187.47           | 4.70                      | 215.22                    | 133.40         | 108.24           | 1954      |
| 85.37                     | 121.60                    | 130.59         | 141.30           | 49.29                     | 147.20                    | 141.48         | 107.15           | 1955      |
| 222.44                    | 131.81                    | 165.49         | 136.71           | 117.07                    | 57.02                     | 162.40         | 111.33           | 1956      |
| 286.63                    | 198.15                    | 174.77         | 154.35           | 88.17                     | 84.84                     | 129.37         | 121.63           | 1957      |
| 461.55                    | 323.54                    | 228.72         | 135.99           | 153.68                    | 119.64                    | 82.58          | 96.45            | 1958      |
| 352.65                    | 366.94                    | 281.73         | 166.49           | 142.03                    | 127.96                    | 110.05         | 97.41            | 1959      |
| 191.87                    | 335.36                    | 303.03         | 195.33           | 64.70                     | 120.14                    | 113.13         | 108.39           | 1960      |
| 340.20                    | 294.91                    | 326.58         | 200.26           | 128.25                    | 111.66                    | 115.37         | 113.97           | 1961      |
| 141.26                    | 224.44                    | 297.51         | 229.49           | 192.53                    | 128.49                    | 136.24         | 125.55           | 1962      |
| 294.20                    | 258.55                    | 264.04         | 219.59           | 129.87                    | 150.22                    | 131.48         | 119.47           | 1963      |
| 361.17                    | 265.54                    | 265.74         | 229.83           | 38.24                     | 120.21                    | 110.72         | 93.70            | 1964      |
| 585.56                    | 413.64                    | 344.48         | 257.19           | 150.63                    | 106.25                    | 127.90         | 97.05            | 1965      |
| 368.64                    | 438.46                    | 350.17         | 307.21           | 54.62                     | 81.16                     | 113.18         | 107.19           | 1966      |
| 206.02                    | 386.74                    | 363.12         | 321.83           | 199.08                    | 134.78                    | 114.49         | 100.94           | 1967      |
| 125.75                    | 233.47                    | 329.43         | 313.77           | 311.24                    | 188.31                    | 150.76         | 112.03           | 1968      |
| 424.88                    | 252.22                    | 342.17         | 280.19           | 407.19                    | 305.84                    | 224.55         | 127.79           | 1969      |
| 46.59                     | 199.07                    | 234.38         | 287.41           | 89.76                     | 269.40                    | 212.38         | 154.30           | 1970      |
| 438.28                    | 303.25                    | 248.30         | 272.88           | 150.72                    | 215.89                    | 231.60         | 156.81           | 1971      |
| 307.72                    | 264.20                    | 268.64         | 282.69           | 230.19                    | 156.89                    | 237.82         | 159.06           | 1972      |
| 11.23                     | 252.41                    | 245.74         | 299.33           | 161.84                    | 180.92                    | 207.94         | 162.82           | 1973      |
| 357.07                    | 225.34                    | 232.18         | 271.04           | 91.59                     | 161.21                    | 144.82         | 166.02           | 1974      |
| 229.61                    | 199.30                    | 268.78         | 270.63           | 233.92                    | 162.45                    | 173.65         | 171.35           | 1975      |
| 47.91                     | 211.53                    | 190.71         | 235.03           | 298.77                    | 208.09                    | 203.26         | 179.68           | 1976      |
| 165.47                    | 147.66                    | 162.26         | 202.96           | 133.32                    | 222.00                    | 183.89         | 204.10           | 1977      |
| 37.39                     | 83.59                     | 167.49         | 198.90           | 164.09                    | 198.73                    | 184.34         | 197.52           | 1978      |

Appendix-Table 2-(2). (つづき) (Continued)

| 年<br>Year | 9 月 September          |                           |                |                  | 10 月 October           |                           |                |                  |
|-----------|------------------------|---------------------------|----------------|------------------|------------------------|---------------------------|----------------|------------------|
|           | 月流出量<br>Monthly runoff | 移 動 平 均<br>Moving average |                |                  | 月流出量<br>Monthly runoff | 移 動 平 均<br>Moving average |                |                  |
|           |                        | 3 年<br>3 years            | 5 年<br>5 years | 10 年<br>10 years |                        | 3 年<br>3 years            | 5 年<br>5 years | 10 年<br>10 years |
| 1939      | 70.47                  |                           |                |                  | 56.56                  |                           |                |                  |
| 1940      | 127.95                 |                           |                |                  | 39.47                  |                           |                |                  |
| 1941      | 99.86                  | 99.43                     |                |                  | 96.43                  | 64.15                     |                |                  |
| 1942      | 55.09                  | 94.30                     |                |                  | 76.63                  | 70.84                     |                |                  |
| 1943      | 112.74                 | 89.23                     | 93.22          |                  | 150.03                 | 107.70                    | 83.82          |                  |
| 1944      | 5.33                   | 57.72                     | 80.19          |                  | 59.69                  | 95.45                     | 84.45          |                  |
| 1945      | 221.40                 | 113.16                    | 98.88          |                  | 221.75                 | 143.82                    | 120.91         |                  |
| 1946      | 52.72                  | 93.15                     | 89.46          |                  | 72.00                  | 117.81                    | 116.02         |                  |
| 1947      | 288.32                 | 187.48                    | 136.10         |                  | 170.12                 | 154.62                    | 134.72         |                  |
| 1948      | 165.88                 | 168.97                    | 146.73         | 103.39           | 257.85                 | 166.66                    | 156.28         | 94.27            |
| 1949      | 135.93                 | 196.71                    | 172.85         | 112.93           | 106.28                 | 178.08                    | 165.60         | 114.40           |
| 1950      | 74.74                  | 125.52                    | 143.52         | 113.73           | 163.57                 | 175.90                    | 153.96         | 121.08           |
| 1951      | 127.04                 | 112.57                    | 158.38         | 111.22           | 144.69                 | 138.18                    | 168.50         | 127.79           |
| 1952      | 117.62                 | 106.47                    | 124.24         | 110.75           | 63.50                  | 123.92                    | 147.18         | 141.45           |
| 1953      | 130.39                 | 125.02                    | 117.14         | 117.01           | 34.91                  | 81.03                     | 102.59         | 140.14           |
| 1954      | 50.20                  | 99.40                     | 100.00         | 118.77           | 109.22                 | 69.21                     | 103.18         | 128.63           |
| 1955      | 107.52                 | 96.04                     | 106.55         | 123.26           | 230.81                 | 124.98                    | 116.63         | 133.58           |
| 1956      | 49.29                  | 69.00                     | 91.00          | 111.87           | 89.35                  | 143.13                    | 105.56         | 134.49           |
| 1957      | 78.17                  | 78.33                     | 83.11          | 111.53           | 139.65                 | 153.27                    | 120.79         | 136.22           |
| 1958      | 230.04                 | 119.17                    | 103.04         | 90.51            | 182.39                 | 137.13                    | 150.28         | 133.17           |
| 1959      | 121.53                 | 143.25                    | 117.31         | 96.93            | 106.44                 | 142.83                    | 149.73         | 125.63           |
| 1960      | 109.85                 | 153.81                    | 117.78         | 95.49            | 78.38                  | 122.40                    | 119.24         | 125.64           |
| 1961      | 171.62                 | 134.33                    | 142.24         | 99.00            | 81.69                  | 88.84                     | 117.71         | 117.12           |
| 1962      | 180.70                 | 154.06                    | 162.75         | 103.46           | 131.73                 | 97.27                     | 116.13         | 110.82           |
| 1963      | 200.72                 | 184.35                    | 156.88         | 109.77           | 123.41                 | 112.28                    | 104.33         | 117.65           |
| 1964      | 320.05                 | 233.82                    | 196.59         | 116.80           | 121.43                 | 125.52                    | 107.33         | 126.50           |
| 1965      | 74.79                  | 198.52                    | 189.58         | 143.78           | 119.80                 | 121.55                    | 115.61         | 127.72           |
| 1966      | 87.74                  | 160.86                    | 172.80         | 140.51           | 299.78                 | 180.34                    | 159.23         | 116.62           |
| 1967      | 123.11                 | 95.21                     | 161.28         | 144.36           | 106.69                 | 175.42                    | 154.22         | 137.66           |
| 1968      | 19.26                  | 76.70                     | 125.00         | 148.85           | 32.58                  | 146.35                    | 136.06         | 134.36           |
| 1969      | 100.77                 | 81.05                     | 81.13          | 127.77           | 84.68                  | 74.65                     | 128.71         | 119.38           |
| 1970      | 80.28                  | 66.77                     | 82.23          | 125.70           | 119.64                 | 78.97                     | 128.67         | 117.21           |
| 1971      | 105.32                 | 95.46                     | 85.75          | 122.74           | 142.27                 | 115.53                    | 97.17          | 121.33           |
| 1972      | 142.44                 | 109.35                    | 89.61          | 116.11           | 108.21                 | 123.37                    | 97.48          | 127.39           |
| 1973      | 290.16                 | 179.31                    | 143.79         | 112.28           | 213.66                 | 154.71                    | 133.69         | 125.04           |
| 1974      | 44.08                  | 158.89                    | 132.46         | 121.23           | 147.00                 | 156.29                    | 146.16         | 134.06           |
| 1975      | 20.64                  | 118.29                    | 120.53         | 93.63            | 119.99                 | 160.22                    | 146.23         | 136.62           |
| 1976      | 132.43                 | 65.72                     | 125.95         | 88.21            | 162.72                 | 143.24                    | 150.32         | 136.64           |
| 1977      | 131.66                 | 94.91                     | 123.79         | 92.68            | 8.10                   | 96.94                     | 130.29         | 122.93           |
| 1978      | 31.43                  | 98.51                     | 72.05          | 93.54            | 89.13                  | 86.65                     | 105.39         | 113.08           |

| 11 月 November             |                           |                |                  | 12 月 December             |                           |                |                  | 年<br>Year |
|---------------------------|---------------------------|----------------|------------------|---------------------------|---------------------------|----------------|------------------|-----------|
| 月流出量<br>Monthly<br>runoff | 移 動 平 均<br>Moving average |                |                  | 月流出量<br>Monthly<br>runoff | 移 動 平 均<br>Moving average |                |                  |           |
|                           | 3 年<br>3 years            | 5 年<br>5 years | 10 年<br>10 years |                           | 3 年<br>3 years            | 5 年<br>5 years | 10 年<br>10 years |           |
| 120.50                    |                           |                |                  | 150.26                    |                           |                |                  | 1939      |
| 110.78                    |                           |                |                  | 191.74                    |                           |                |                  | 1940      |
| 43.87                     | 91.72                     |                |                  | 147.30                    | 163.10                    |                |                  | 1941      |
| 244.35                    | 133.00                    |                |                  | 120.99                    | 153.34                    |                |                  | 1942      |
| 218.29                    | 168.84                    | 147.56         |                  | 143.82                    | 137.37                    | 150.82         |                  | 1943      |
| 164.03                    | 208.90                    | 156.26         |                  | 94.98                     | 119.93                    | 139.77         |                  | 1944      |
| 210.00                    | 197.44                    | 176.11         |                  | 128.51                    | 122.44                    | 127.12         |                  | 1945      |
| 84.58                     | 152.87                    | 184.25         |                  | 101.88                    | 108.46                    | 118.04         |                  | 1946      |
| 180.96                    | 158.51                    | 171.57         |                  | 123.93                    | 118.11                    | 118.62         |                  | 1947      |
| 156.50                    | 140.68                    | 159.21         | 137.74           | 243.29                    | 156.37                    | 138.52         | 120.34           | 1948      |
| 168.65                    | 168.70                    | 160.14         | 141.34           | 133.44                    | 166.89                    | 146.21         | 129.64           | 1949      |
| 170.31                    | 165.15                    | 152.20         | 147.12           | 180.44                    | 185.72                    | 156.60         | 123.81           | 1950      |
| 144.26                    | 161.07                    | 164.14         | 159.77           | 340.08                    | 217.99                    | 204.24         | 127.13           | 1951      |
| 136.82                    | 150.46                    | 155.31         | 150.22           | 90.83                     | 203.78                    | 197.62         | 144.02           | 1952      |
| 206.57                    | 162.55                    | 165.32         | 139.47           | 155.89                    | 195.60                    | 180.14         | 141.00           | 1953      |
| 124.25                    | 155.88                    | 156.44         | 138.30           | 102.64                    | 116.45                    | 173.98         | 142.21           | 1954      |
| 238.64                    | 189.82                    | 170.11         | 134.32           | 258.18                    | 172.24                    | 189.52         | 142.98           | 1955      |
| 286.71                    | 216.53                    | 198.60         | 137.18           | 190.57                    | 183.80                    | 159.62         | 155.94           | 1956      |
| 115.60                    | 213.65                    | 194.35         | 157.40           | 166.60                    | 205.12                    | 174.78         | 164.81           | 1957      |
| 138.18                    | 180.16                    | 180.68         | 150.86           | 238.61                    | 198.59                    | 191.32         | 169.08           | 1958      |
| 177.50                    | 143.76                    | 191.33         | 149.03           | 160.02                    | 188.41                    | 202.80         | 168.61           | 1959      |
| 131.74                    | 149.14                    | 169.95         | 149.91           | 332.30                    | 243.64                    | 217.62         | 171.27           | 1960      |
| 299.12                    | 202.79                    | 172.43         | 146.06           | 166.53                    | 219.62                    | 212.81         | 186.46           | 1961      |
| 190.33                    | 207.06                    | 187.37         | 161.54           | 239.81                    | 246.21                    | 227.45         | 169.10           | 1962      |
| 280.41                    | 256.62                    | 215.82         | 166.89           | 241.74                    | 216.03                    | 228.08         | 184.00           | 1963      |
| 275.85                    | 248.86                    | 235.49         | 174.28           | 178.77                    | 220.11                    | 231.83         | 192.58           | 1964      |
| 278.14                    | 278.13                    | 264.77         | 189.44           | 273.13                    | 231.21                    | 220.00         | 200.20           | 1965      |
| 222.95                    | 258.98                    | 249.54         | 193.39           | 113.97                    | 188.62                    | 209.48         | 201.69           | 1966      |
| 183.37                    | 228.15                    | 248.14         | 187.01           | 129.65                    | 172.25                    | 187.45         | 194.03           | 1967      |
| 132.21                    | 179.51                    | 218.50         | 193.79           | 196.84                    | 146.82                    | 178.47         | 190.34           | 1968      |
| 159.03                    | 158.20                    | 195.14         | 193.19           | 193.95                    | 173.48                    | 181.51         | 186.16           | 1969      |
| 187.30                    | 159.51                    | 176.97         | 191.34           | 145.31                    | 178.70                    | 155.94         | 189.55           | 1970      |
| 110.18                    | 152.17                    | 154.42         | 196.90           | 310.26                    | 216.51                    | 195.20         | 170.85           | 1971      |
| 352.92                    | 216.80                    | 188.33         | 178.01           | 311.19                    | 255.59                    | 231.51         | 185.23           | 1972      |
| 416.62                    | 293.24                    | 245.21         | 194.26           | 159.08                    | 260.18                    | 223.96         | 192.37           | 1973      |
| 270.41                    | 346.65                    | 267.49         | 207.89           | 86.43                     | 185.57                    | 202.45         | 184.10           | 1974      |
| 159.95                    | 282.33                    | 262.02         | 207.34           | 69.59                     | 105.03                    | 187.31         | 174.87           | 1975      |
| 182.81                    | 204.39                    | 276.54         | 195.52           | 194.87                    | 116.96                    | 164.23         | 154.51           | 1976      |
| 239.72                    | 194.16                    | 253.90         | 191.51           | 171.16                    | 145.21                    | 136.23         | 162.60           | 1977      |
| 106.03                    | 176.19                    | 191.78         | 197.14           | 146.56                    | 170.86                    | 133.72         | 166.75           | 1978      |

Appendix-Table 2-(3). 1号沢・2号沢の年流出量の移動平均値

Moving average of annual runoff of No. 1 and No. 2 experimental watersheds  
(単位: mm)

| 年<br>Year | 1 号 沢 No. 1              |                             |                |                  | 2 号 沢 No. 2              |                             |                |                  |
|-----------|--------------------------|-----------------------------|----------------|------------------|--------------------------|-----------------------------|----------------|------------------|
|           | 年流出量<br>Annual<br>runoff | 年 移 動 平 均<br>Moving average |                |                  | 年流出量<br>Annual<br>runoff | 年 移 動 平 均<br>Moving average |                |                  |
|           |                          | 3 年<br>3 years              | 5 年<br>5 years | 10 年<br>10 years |                          | 3 年<br>3 years              | 5 年<br>5 years | 10 年<br>10 years |
| 1939      | 1,348.16                 |                             |                |                  | 1,587.52                 |                             |                |                  |
| 1940      | 1,961.45                 |                             |                |                  | 2,127.42                 |                             |                |                  |
| 1941      | 1,409.11                 | 1,572.91                    |                |                  | 1,545.35                 | 1,753.43                    |                |                  |
| 1942      | 1,275.20                 | 1,548.59                    |                |                  | 1,403.51                 | 1,692.09                    |                |                  |
| 1943      | 1,946.34                 | 1,543.55                    | 1,588.05       |                  | 2,052.46                 | 1,667.11                    | 1,743.25       |                  |
| 1944      | 2,005.89                 | 1,742.48                    | 1,719.60       |                  | 1,909.19                 | 1,788.39                    | 1,807.59       |                  |
| 1945      | 2,295.30                 | 2,082.51                    | 1,786.37       |                  | 2,252.70                 | 2,071.45                    | 1,832.64       |                  |
| 1946      | 2,309.84                 | 2,203.68                    | 1,966.51       |                  | 2,235.81                 | 2,132.57                    | 1,970.73       |                  |
| 1947      | 2,923.75                 | 2,509.63                    | 2,296.22       |                  | 2,991.43                 | 2,493.31                    | 2,288.32       |                  |
| 1948      | 2,009.35                 | 2,414.31                    | 2,308.83       | 1,747.50         | 2,180.55                 | 2,469.26                    | 2,313.94       | 1,810.54         |
| 1949      | 1,548.60                 | 2,160.57                    | 2,217.37       | 1,813.62         | 1,732.83                 | 2,301.60                    | 2,278.66       | 1,869.84         |
| 1950      | 1,641.35                 | 1,733.10                    | 2,086.58       | 1,772.34         | 1,778.50                 | 1,897.29                    | 2,183.82       | 1,830.38         |
| 1951      | 1,639.60                 | 1,609.85                    | 1,952.53       | 1,795.56         | 1,806.09                 | 1,772.47                    | 2,097.88       | 1,853.70         |
| 1952      | 1,673.52                 | 1,651.49                    | 1,702.48       | 1,766.15         | 1,880.64                 | 1,821.74                    | 1,875.72       | 1,810.34         |
| 1953      | 2,136.97                 | 1,816.70                    | 1,728.01       | 1,805.99         | 2,404.42                 | 2,030.38                    | 1,920.50       | 1,858.05         |
| 1954      | 1,231.78                 | 1,680.76                    | 1,664.64       | 1,825.05         | 1,403.37                 | 1,896.14                    | 1,854.60       | 1,893.25         |
| 1955      | 2,192.44                 | 1,853.73                    | 1,774.86       | 1,747.64         | 2,440.11                 | 2,082.63                    | 1,986.93       | 1,842.67         |
| 1956      | 1,965.34                 | 1,796.52                    | 1,840.01       | 1,737.35         | 2,226.56                 | 2,023.35                    | 2,071.02       | 1,861.41         |
| 1957      | 1,916.17                 | 2,024.65                    | 1,888.54       | 1,702.90         | 2,123.85                 | 2,263.51                    | 2,119.66       | 1,860.48         |
| 1958      | 2,259.96                 | 2,047.16                    | 1,913.14       | 1,602.14         | 2,467.82                 | 2,272.74                    | 2,132.34       | 1,773.72         |
| 1959      | 2,079.62                 | 2,085.25                    | 2,082.71       | 1,627.21         | 2,188.74                 | 2,260.14                    | 2,289.42       | 1,802.45         |
| 1960      | 1,946.23                 | 2,095.27                    | 2,033.46       | 1,680.31         | 2,207.88                 | 2,288.15                    | 2,242.97       | 1,848.04         |
| 1961      | 2,201.24                 | 2,075.70                    | 2,080.64       | 1,710.80         | 2,464.33                 | 2,286.98                    | 2,290.52       | 1,890.98         |
| 1962      | 2,147.59                 | 2,098.35                    | 2,126.93       | 1,766.96         | 2,460.13                 | 2,377.45                    | 2,357.78       | 1,956.80         |
| 1963      | 2,443.12                 | 2,263.98                    | 2,163.56       | 1,814.37         | 2,716.96                 | 2,547.14                    | 2,407.61       | 2,014.75         |
| 1964      | 2,260.18                 | 2,283.63                    | 2,199.67       | 1,844.98         | 2,449.19                 | 2,542.09                    | 2,459.70       | 2,046.01         |
| 1965      | 2,550.05                 | 2,417.78                    | 2,320.44       | 1,947.82         | 2,960.71                 | 2,708.95                    | 2,610.26       | 2,150.59         |
| 1966      | 2,236.68                 | 2,348.97                    | 2,327.52       | 1,983.58         | 2,553.81                 | 2,654.57                    | 2,628.16       | 2,202.65         |
| 1967      | 1,731.27                 | 2,172.67                    | 2,244.26       | 2,010.72         | 1,990.60                 | 2,501.71                    | 2,534.25       | 2,235.37         |
| 1968      | 1,979.82                 | 1,982.59                    | 2,151.60       | 1,992.23         | 2,199.29                 | 2,247.90                    | 2,430.72       | 2,222.05         |
| 1969      | 2,484.85                 | 2,065.31                    | 2,196.53       | 1,964.21         | 2,458.81                 | 2,216.23                    | 2,432.64       | 2,195.20         |
| 1970      | 1,649.72                 | 2,038.13                    | 2,016.47       | 2,004.74         | 1,743.36                 | 2,133.82                    | 2,189.17       | 2,222.20         |
| 1971      | 2,309.17                 | 2,147.91                    | 2,030.97       | 1,975.08         | 2,375.04                 | 2,192.40                    | 2,153.42       | 2,175.75         |
| 1972      | 2,161.01                 | 2,039.97                    | 2,116.91       | 1,985.88         | 2,346.08                 | 2,154.83                    | 2,224.52       | 2,166.82         |
| 1973      | 1,808.54                 | 2,092.91                    | 2,082.66       | 1,987.22         | 2,190.80                 | 2,303.97                    | 2,222.82       | 2,155.42         |
| 1974      | 2,278.21                 | 2,082.59                    | 2,041.33       | 1,923.76         | 2,717.73                 | 2,418.20                    | 2,274.60       | 2,102.80         |
| 1975      | 1,580.97                 | 1,889.24                    | 2,027.58       | 1,925.56         | 1,945.14                 | 2,284.56                    | 2,314.96       | 2,129.66         |
| 1976      | 1,748.68                 | 1,869.29                    | 1,915.48       | 1,828.66         | 2,053.54                 | 2,238.80                    | 2,250.66       | 2,028.10         |
| 1977      | 1,933.68                 | 1,754.44                    | 1,870.02       | 1,779.86         | 2,239.68                 | 2,079.45                    | 2,229.38       | 1,978.07         |
| 1978      | 1,574.11                 | 1,752.16                    | 1,823.13       | 1,800.10         | 1,673.40                 | 1,988.87                    | 2,125.90       | 2,002.98         |

Appendix-Table 3. 1号沢・2号沢の年最大・年最小流量および  
確率洪水流量Annual maximum and minimum discharge, probable flood  
discharge of No. 1 and No. 2 experimental watersheds

| 年<br>Year                                                                              | 1号沢 No. 1                                             |                                                                            | 2号沢 No. 2                                             |                                                                            |
|----------------------------------------------------------------------------------------|-------------------------------------------------------|----------------------------------------------------------------------------|-------------------------------------------------------|----------------------------------------------------------------------------|
|                                                                                        | 最 大<br>Maximum<br>$\text{m}^3/\text{sec}/\text{km}^2$ | 最 小<br>Minimum<br>$\text{m}^3 \times 10^{-8}$<br>$/\text{sec}/\text{km}^2$ | 最 大<br>Maximum<br>$\text{m}^3/\text{sec}/\text{km}^2$ | 最 小<br>Minimum<br>$\text{m}^3 \times 10^{-8}$<br>$/\text{sec}/\text{km}^2$ |
| 1957                                                                                   | 3.47                                                  | 1.02                                                                       | 4.42                                                  | 0.95                                                                       |
| 1958                                                                                   | 6.87                                                  | 0.38                                                                       | 6.22                                                  | 0.81                                                                       |
| 1959                                                                                   | 5.09                                                  | 1.02                                                                       | 4.59                                                  | 1.26                                                                       |
| 1960                                                                                   | 3.81                                                  | 1.48                                                                       | 3.91                                                  | 1.83                                                                       |
| 1961                                                                                   | 3.07                                                  | 1.66                                                                       | 3.10                                                  | 3.34                                                                       |
| 1962                                                                                   | 4.20                                                  | 0.77                                                                       | 4.15                                                  | 1.26                                                                       |
| 1963                                                                                   | 2.53                                                  | 1.48                                                                       | 2.95                                                  | 2.27                                                                       |
| 1964                                                                                   | 3.62                                                  | 1.02                                                                       | 4.63                                                  | 2.78                                                                       |
| 1965                                                                                   | 4.78                                                  | 1.48                                                                       | 5.49                                                  | 2.78                                                                       |
| 1966                                                                                   | 3.11                                                  | 0.65                                                                       | 2.92                                                  | 1.62                                                                       |
| 1967                                                                                   | 6.29                                                  | 0.30                                                                       | 6.91                                                  | 0.81                                                                       |
| 1968                                                                                   | 2.81                                                  | 0.65                                                                       | 3.13                                                  | 1.26                                                                       |
| 1969                                                                                   | 5.76                                                  | 2.04                                                                       | 5.07                                                  | 2.27                                                                       |
| 1970                                                                                   | 2.69                                                  | 0.65                                                                       | 2.19                                                  | 0.81                                                                       |
| 1971                                                                                   | 6.36                                                  | 2.04                                                                       | 7.24                                                  | 2.27                                                                       |
| 1972                                                                                   | 4.68                                                  | 1.32                                                                       | 4.87                                                  | 2.27                                                                       |
| 1973                                                                                   | 10.92                                                 | 0.18                                                                       | 9.42                                                  | 1.10                                                                       |
| 1974                                                                                   | 8.12                                                  | 0.89                                                                       | 11.28                                                 | 2.27                                                                       |
| 1975                                                                                   | 14.31                                                 | 0.38                                                                       | 13.89                                                 | 1.44                                                                       |
| 1976                                                                                   | 3.81                                                  | 0.77                                                                       | 2.93                                                  | 2.52                                                                       |
| 1977                                                                                   | 3.35                                                  | 0.77                                                                       | 3.30                                                  | 2.04                                                                       |
| 1978                                                                                   | 4.17                                                  | 0.77                                                                       | 4.69                                                  | 0.81                                                                       |
| 確率洪水流量<br>Probable flood<br>discharge<br>( $\text{m}^3/\text{sec}$<br>$/\text{km}^2$ ) | 50年<br>50<br>years                                    | 14.24                                                                      |                                                       | 17.68                                                                      |
|                                                                                        | 100年<br>100<br>years                                  | 17.28                                                                      |                                                       | 22.20                                                                      |
|                                                                                        | 200年<br>200<br>years                                  | 20.72                                                                      |                                                       | 27.46                                                                      |

Appendix-Table 4. 1 号 沢 ・ 2 号 沢 の 各 種 流 出 量

Plentifull, ordinary, low and scanty runoffs of No. 1  
and No. 2 experimental watersheds

| 年<br>Year      | 1 号 沢 No. 1                |                                      |                          |                                      |                     |                                      |                        |                                      |
|----------------|----------------------------|--------------------------------------|--------------------------|--------------------------------------|---------------------|--------------------------------------|------------------------|--------------------------------------|
|                | 豊水流出量<br>Plentifull runoff |                                      | 平水流出量<br>Ordinary runoff |                                      | 低水流出量<br>Low runoff |                                      | 渇水流出量<br>Scanty runoff |                                      |
|                | (mm/day)                   | ( $\text{m}^3 \times 10^{-8}$ / sec) | (mm/day)                 | ( $\text{m}^3 \times 10^{-8}$ / sec) | (mm/day)            | ( $\text{m}^3 \times 10^{-8}$ / sec) | (mm/day)               | ( $\text{m}^3 \times 10^{-8}$ / sec) |
| 1959           | 5.79                       | 2.05                                 | 2.41                     | 0.85                                 | 1.16                | 0.41                                 | 0.18                   | 0.06                                 |
| 1960           | 5.97                       | 2.11                                 | 2.06                     | 0.73                                 | 0.66                | 0.23                                 | 0.17                   | 0.06                                 |
| 1961           | 7.01                       | 2.48                                 | 2.29                     | 0.81                                 | 1.25                | 0.44                                 | 0.21                   | 0.07                                 |
| 1962           | 7.23                       | 2.56                                 | 2.53                     | 0.90                                 | 1.10                | 0.39                                 | 0.13                   | 0.05                                 |
| 1963           | 8.55                       | 3.03                                 | 2.70                     | 0.96                                 | 1.29                | 0.46                                 | 0.24                   | 0.08                                 |
| 1964           | 6.15                       | 2.18                                 | 2.24                     | 0.79                                 | 0.95                | 0.34                                 | 0.15                   | 0.05                                 |
| 1965           | 8.19                       | 2.90                                 | 2.56                     | 0.91                                 | 1.30                | 0.46                                 | 0.22                   | 0.08                                 |
| 1966           | 7.47                       | 2.65                                 | 2.86                     | 1.01                                 | 0.91                | 0.32                                 | 0.09                   | 0.03                                 |
| 1967           | 4.49                       | 1.60                                 | 1.65                     | 0.58                                 | 0.54                | 0.19                                 | 0.08                   | 0.03                                 |
| 1968           | 5.80                       | 2.05                                 | 1.79                     | 0.63                                 | 0.44                | 0.15                                 | 0.09                   | 0.03                                 |
| 1969           | 5.78                       | 2.05                                 | 2.16                     | 0.76                                 | 0.92                | 0.33                                 | 0.25                   | 0.09                                 |
| 1970           | 4.17                       | 1.48                                 | 1.63                     | 0.58                                 | 0.39                | 0.14                                 | 0.08                   | 0.03                                 |
| 1971           | 6.81                       | 2.41                                 | 2.11                     | 0.75                                 | 1.08                | 0.38                                 | 0.25                   | 0.09                                 |
| 1972           | 6.11                       | 2.16                                 | 2.91                     | 1.03                                 | 1.09                | 0.39                                 | 0.21                   | 0.07                                 |
| 1973           | 5.29                       | 1.87                                 | 2.32                     | 0.82                                 | 0.55                | 0.19                                 | 0.05                   | 0.02                                 |
| 1974           | 4.71                       | 1.67                                 | 1.66                     | 0.59                                 | 0.85                | 0.30                                 | 0.10                   | 0.04                                 |
| 1975           | 2.96                       | 1.05                                 | 1.15                     | 0.41                                 | 0.38                | 0.13                                 | 0.06                   | 0.02                                 |
| 1976           | 5.86                       | 2.08                                 | 2.65                     | 0.94                                 | 1.05                | 0.37                                 | 0.13                   | 0.05                                 |
| 1977           | 7.69                       | 2.72                                 | 1.22                     | 0.43                                 | 0.55                | 0.19                                 | 0.07                   | 0.03                                 |
| 1978           | 4.09                       | 1.45                                 | 1.50                     | 0.53                                 | 0.48                | 0.17                                 | 0.10                   | 0.04                                 |
| 平 均<br>Average | 6.00                       | 2.13                                 | 2.12                     | 0.75                                 | 0.84                | 0.30                                 | 0.14                   | 0.05                                 |

| 2 号 沢 No. 2    |      |      |      |      |      |      |      |      |
|----------------|------|------|------|------|------|------|------|------|
| 1959           | 6.29 | 1.81 | 2.53 | 0.73 | 1.17 | 0.34 | 0.19 | 0.05 |
| 1960           | 6.98 | 2.01 | 2.53 | 0.73 | 0.98 | 0.28 | 0.26 | 0.07 |
| 1961           | 7.86 | 2.26 | 2.74 | 0.79 | 1.46 | 0.42 | 0.37 | 0.11 |
| 1962           | 7.73 | 2.22 | 2.99 | 0.86 | 1.35 | 0.39 | 0.22 | 0.06 |
| 1963           | 9.01 | 2.59 | 2.69 | 0.77 | 1.55 | 0.45 | 0.35 | 0.10 |
| 1964           | 6.66 | 1.91 | 2.57 | 0.74 | 1.27 | 0.36 | 0.29 | 0.08 |
| 1965           | 9.30 | 2.67 | 2.93 | 0.84 | 1.56 | 0.45 | 0.30 | 0.09 |
| 1966           | 8.26 | 2.37 | 3.08 | 0.88 | 1.18 | 0.34 | 0.22 | 0.06 |
| 1967           | 5.61 | 1.61 | 2.24 | 0.64 | 0.86 | 0.25 | 0.09 | 0.03 |
| 1968           | 6.63 | 1.90 | 1.92 | 0.55 | 0.45 | 0.13 | 0.11 | 0.03 |
| 1969           | 5.88 | 1.69 | 2.09 | 0.60 | 0.92 | 0.26 | 0.22 | 0.06 |
| 1970           | 4.41 | 1.27 | 1.71 | 0.49 | 0.39 | 0.11 | 0.08 | 0.02 |
| 1971           | 6.56 | 1.88 | 1.97 | 0.57 | 1.10 | 0.32 | 0.25 | 0.07 |
| 1972           | 6.97 | 2.00 | 2.99 | 0.86 | 1.31 | 0.38 | 0.27 | 0.08 |
| 1973           | 6.64 | 1.91 | 2.82 | 0.81 | 1.00 | 0.29 | 0.16 | 0.05 |
| 1974           | 7.02 | 2.02 | 2.34 | 0.67 | 1.21 | 0.35 | 0.24 | 0.07 |
| 1975           | 3.73 | 1.07 | 1.52 | 0.44 | 0.65 | 0.19 | 0.16 | 0.05 |
| 1976           | 7.17 | 2.06 | 3.09 | 0.89 | 1.07 | 0.31 | 0.26 | 0.07 |
| 1977           | 8.88 | 2.55 | 1.58 | 0.45 | 0.70 | 0.20 | 0.14 | 0.04 |
| 1978           | 4.52 | 1.30 | 1.47 | 0.42 | 0.52 | 0.15 | 0.10 | 0.03 |
| 平 均<br>Average | 6.80 | 1.96 | 2.39 | 0.69 | 1.03 | 0.30 | 0.21 | 0.06 |