

Natural Flow Estimates for Streams in the Klamath Basin

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State of Oregon
Water Resources Department

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Cover photograph: Klamath Marsh near Big Springs looking west. Mt. Scott is in the background. The photograph is courtesy of Jonathan La Marche.

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A Note about this Report and Previous Drafts

The first draft of this report was circulated in September of 2000 under the name *Stream Flow Estimates for the Klamath Basin*. In that first draft, Appendix D contained tables that did not correspond to the natural stream flow information given to the adjudicator. These tables were for watersheds in the Sprague River basin, along the main stem and the South Fork. The North Fork and the Sycan River were not affected.

A revised draft was circulated in May 2001. The second draft of the report contained the correct tables. Also the main body of the report was revised to improve the clarity of some of the discussions. The last section, Stream Flow Correction, was amended to include a stream flow correction not discussed in the original draft.

This final draft of the report is published under the revised title *Natural Flow Estimates for Streams in the Klamath Basin*. This version contains the same tables as the second draft. Also the text has been expanded to enhance clarity and to refer to another report that explains in more detail some aspects of the hydrologic methods employed here. This other report, *Determining Water Availability in Oregon*, was published between the second and final drafts of this report.

Acknowledgements

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Natural Flow Estimates for Streams in the Klamath Basin

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Introduction

As part of the adjudication for the Klamath Basin, claims for in-stream use are evaluated by comparison with the natural 50-percent exceedance stream flows for the claimed reach. This report defines 'natural 50-percent exceedance stream flow', describes the methodology used to calculate these flows, and discusses how the methodology was applied in the Klamath Basin - specific, detailed examples are given. The natural 50-percent exceedance stream flows determined from application of this methodology to watersheds in the Klamath Basin are given in an appendix to the report.

The methodology used here for estimating stream flows is the same as is used by the Oregon Water Resources Department (OWRD) for water availability determinations. That methodology is described in the report "Determining Surface Water Availability in Oregon" (Cooper, 2002). Some of that material is repeated here using examples specific to the Klamath Basin.

Reference is made in several places in this report to data available from the OWRD web site:

<http://www.wrd.state.or.us/>

Follow the link to the Water Availability Reporting System (WARS) and go to the WARS utilities. These utilities provide access to the hydrographics, watershed characteristic, and flow duration curve databases. Contact the Webmaster for assistance.

Klamath Basin

Upper Klamath Basin has a unique and complex hydrology. Klamath Lake, several large marshes, and numerous springs combine to create watersheds that are unlike most other watersheds.

In other, more typical basins, stream flow can be generalized from one watershed to another – watersheds with similar physical characteristics produce similar stream flows. This allows stream flows for unmeasured streams to be estimated from the stream flows of measured streams with reasonable confidence.

While this kind of generalization is possible for some watersheds in the Klamath Basin, it does not work for watersheds significantly affected by lakes, marshes or springs. Fortunately, the Klamath Basin has many more stream flow measurements available than is usual. This information has made it possible to make reasonable estimates of stream flow for many streams where otherwise it may have been impossible. In all for the Klamath Basin, natural stream flows have been estimated for one hundred fifty-seven watersheds. A list of these watersheds is given in Appendix C and the estimated natural stream flows for each are given in Appendix D.

Natural Stream Flow

Natural stream flow occurs when there are no consumptive uses of water from the stream or regulation of stream flow from storage.

Consumptive uses represent water withdrawn from a stream and lost to evaporation or transpiration, or transferred out of the watershed. Storage refers to holding of water behind a dam and implies controlled releases of water from that storage.

The definition of natural stream flow in the Klamath Basin requires an additional caveat. Anthropogenic changes to hydrologic features in the basin preclude a return of prehistoric natural conditions. Even if all consumptive uses stopped and regulatory structures were removed, stream flow would not return to its prehistoric state. These human caused changes are the isolation and draining of Lower Klamath Lake, the deepening of the outlet of Klamath Lake, and the creation of channels and dikes in Sycan and Klamath Marshes. Natural stream flows in the Klamath Basin are calculated assuming that these changes are permanent and now represent the natural condition of the basin.

Stream Flow Characterization

Stream flow is naturally variable. It is useful to characterize it in some way, usually by a statistic. Typical statistics are mean daily flow, mean monthly flow, mean annual flow, ten-year event, and median (or 50-percent exceedance) monthly stream flow. The statistic chosen should have meaning in the context in which it will be used. Mean or average flow, for example, tells how *much* water is in a stream over a given period of time. Exceedance flows tell how *often* a given amount of water is in a stream.

In-stream water rights normally are limited to no more than the natural 50-percent exceedance flow. This restriction means that under natural conditions the in-stream flow will be met at least 50 percent of the time. This same condition has been applied to in-stream claims in the Klamath adjudication.

An exceedance stream flow is the stream flow exceeded a given percent of the time. For example, the 60-percent exceedance stream flow for the Williamson River below Sprague River near Chiloquin (11502500) for May is 1,230 cubic feet per second (cfs). In May, then, the stream flow in the Williamson River is greater than or equal to 1,230 cfs 60 percent of the time and less than 1,230 cfs 40 percent of the time. For comparison, the 50-percent exceedance stream flow is 1,440 cfs and the 80-percent exceedance flow is 823 cfs.

Exceedance flows are sensitive to the period of record on which they are based. In the example above, the entire period of record was used – October 1917 to September 2002. However, the 50-percent exceedance flows calculated by the methodology given in this report all represent a common base period – water years 1958 to 1987.

Where Stream Flows are Calculated

Two hundred nineteen watersheds were delineated in the Klamath Basin:

1. For all gages and miscellaneous measurement sites,
2. For all in-stream water rights and in-stream claims,
3. Above the mouths of significant tributaries, and
4. On main stems above significant tributaries.

Natural stream flows are reported for the one hundred fifty-seven of these watersheds associated with an in-stream water right or in-stream claim, at the mouths of significant tributaries, and on the main stems above these tributaries (Appendix C). Not reported here are the natural stream flows for sixty-two watersheds associated with gaging stations or miscellaneous measurement sites. All of the flow duration curves derived for these watersheds, including the natural 50-percent

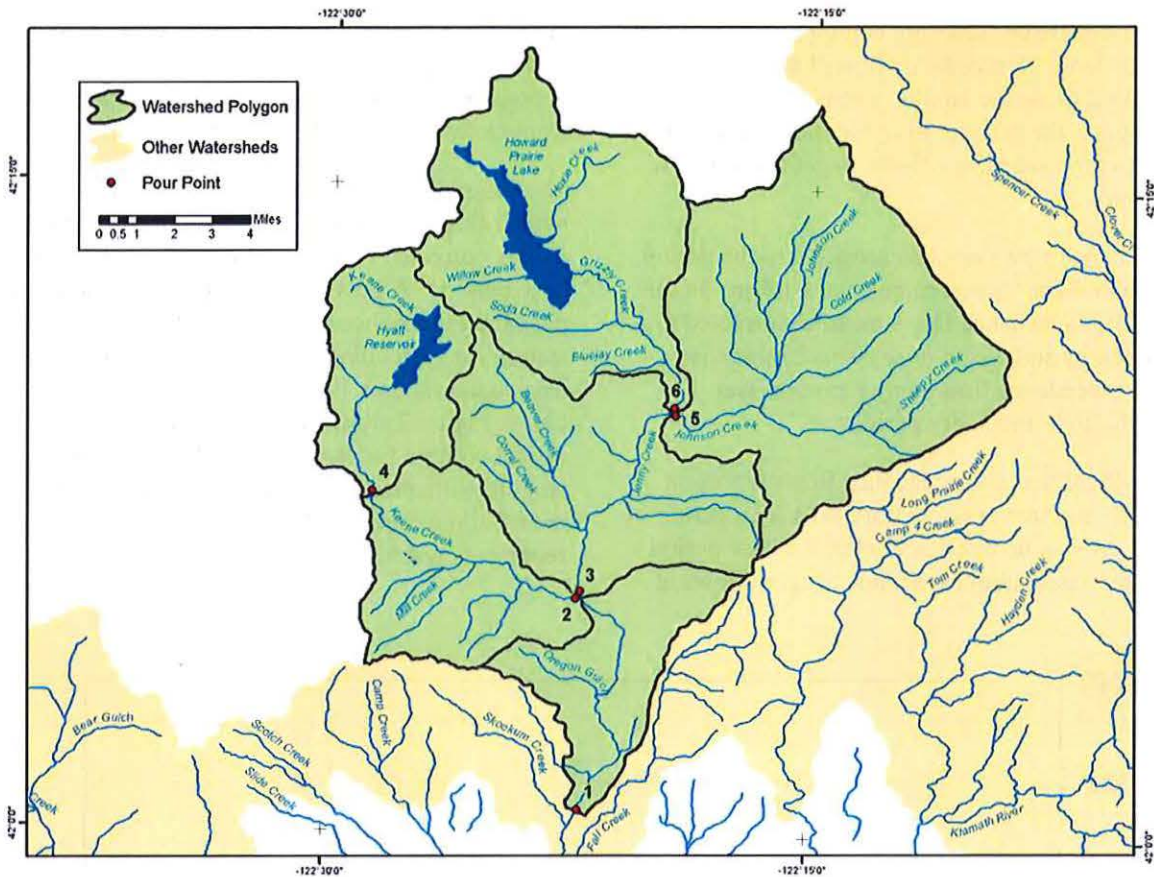


Figure 1. An example of nested watersheds.

exceedance stream flows, may be found on OWRD's web site.

A watershed includes all lands draining to the stream upstream from the 'pour point', or mouth, of the watershed. A watershed may include other watersheds. These watersheds are said to be 'nested'. In the example in Figure 1, watersheds 5 and 6 are nested in watershed 3. *Watershed 3* is comprised of *polygons 3, 5 and 6*.

Determining Exceedance Stream Flows

All exceedance flows in this analysis are based on measured stream flows, either directly from continuous records and miscellaneous measurements or indirectly by use of a regional regression analysis¹. The U.S. Geological Survey (USGS) and the OWRD collected the measured stream flows used in this analysis. These stream flows can be accessed from the OWRD website.

¹Regional regression is a standard hydrologic technique to generalize stream flows from measured to unmeasured watersheds.

Measured stream flows are commonly affected by use upstream. Exceedance flows based on these measured flows are similarly affected. Where this is the case, the consumptive use must be added back to the exceedance flows to get natural flow estimates.

Exceedance flows are also sensitive to the period over which the measurements were taken. In this case, the exceedance flows must be corrected to a common period, i.e., a *base period*; otherwise, some exceedance flows may represent wet periods, and others, dry periods.

It is critical that all exceedance flows represent not only the same period, but also a *long* period of time. As will be discussed later, the base period used for calculating exceedance stream flows at

the OWRD is represented by water years 1958 to 1987. A water year is from October 1 to September 30. For example, water year 1987 was from October 1, 1986 to September 30, 1987.

The following sections describe how measured stream flows are used to calculate *flow duration curves* corrected to natural flow and to a common base period. A flow duration curve represents all possible exceedance flows for a given gaging station for a specified period. The 50-percent exceedance stream flow is one point on such a curve. Figure 2 shows an example of a flow duration curve for January for USGS gaging station Williamson River below Sprague River near Chiloquin, OR (11502500). The curve represents water years 1958 to 1987.

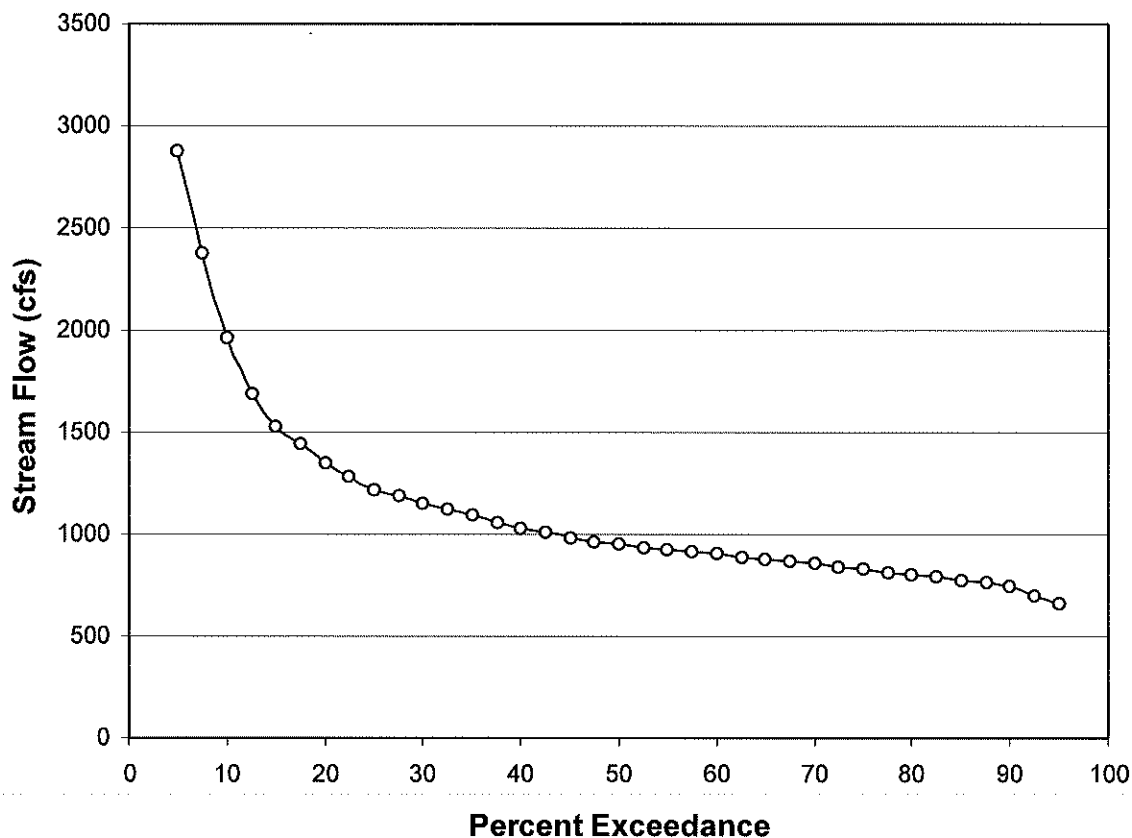


Figure 2. A flow duration curve for January for USGS gaging station Williamson River below Sprague River near Chiloquin, OR (11502500). The curve represents stream flow for water years 1958 to 1987.

Only measured stream flows *unaffected* by significant storage are used in this analysis. While it is possible in concept to correct the mean daily flows on which the exceedance stream flows are based for the effects of storage, this is rarely done in practice. Daily changes in storage for reservoirs are seldom recorded.

Calculation of Exceedance Flows from a Continuous Record

A continuous record is a series of mean daily stream flows calculated from measurements made continuously or at short intervals for a specific location on a stream. This location is usually referred to as a gage or gaging station.

Gaging stations are divided into those that have records that coincide with the base period, i.e., *Index Records*, representing water years 1958 - 1987, and those that do not, i.e., *Short Records*, representing all other periods of record. Flow duration curves are calculated for both short and index records. The flow duration curves for the index records are used to correct the flow duration curves for the short records to the base period. Flow duration curves that correspond to the base period are then corrected to natural flow by adding back consumptive use upstream.

Lists of gaging stations in the Klamath Basin are given in Appendix A. There are separate lists for gages classified as **Index Gages** (30 years of record between 1958 to 1987), **Short Record Gages** (any other period of record), **Canal Gages**, and **Regulated Gages** (affected by storage). The flow duration curve determined for the index and short record gaging stations can be found in a database accessible from the OWRD website. Follow the link to the Water Availability Reporting System (WARS) and go to the WARS utilities. The database contains the flow duration curves calculated at all steps in the process: short, index, base period, and natural stream flow.

Calculating an exceedance stream flow from mean daily flows is best demonstrated by the example shown in Table 1. The mean daily stream flows in column 1 represent the flows as they occurred in time. In column 4, these same flows have been sorted from smallest to largest. The middle value in column 4 is the 50 percent exceedance flow. Half the time the flow was greater than this value and half the time less.

In actual practice, the calculations are made by techniques outlined by Searcy (1959) and Yevjevich (1982). Further, the flow duration curves are calculated for each month. For example, for thirty years of continuous record, for January, 930 mean daily flows (31 days x 30 years) are used to calculate the 50-percent exceedance flow.

Correcting to a Base Period

An exceedance flow is specific to the time period for which it is calculated. Different time periods give different results for the same stream. For example, the first part of this century was drier than average for the whole century, the middle part wetter, and the latter part (through about 1990) more or less average. OWRD selected 1958 to 1987 as a base period because it best represents the long term average conditions for this century, and it is the period for which most stream flow information is available.

When the period of record for a gage does not coincide with the base period of 1957 to 1987, the *short* or out of phase record must be corrected to the base period. The correction (Searcy, 1959) is based on a linear association of the short record with the record of an *index* gage on a similar watershed that does coincide with the base period. All OWRD natural exceedance flows represent the base period.

See Cooper (2002) for a complete discussion of the selection of the base period and how a short record flow duration curve is corrected to the base

Table 1. Example calculation of flow duration curves from continuous records.

Mean Daily Stream Flows				Percent Exceedance
Chronological Order		Sorted Order		
Day	Discharge (cfs)	Day	Discharge (cfs)	
1	215	4	106	100
2	175	3	123	90
3	123	10	143	80
4	106	9	156	70
5	187	11	165	60
6	199	2	175	50
7	302	5	187	40
8	210	6	199	30
9	156	8	210	20
10	143	1	215	10
11	165	7	302	0

period. The correction to the base period is illustrated with an example. Cooper (2002) also discusses methods for selecting an appropriate index station. These methods are demonstrated with examples.

Calculation of Exceedance Flows from Miscellaneous Measurements

Miscellaneous measurements are individual stream flow measurements made at intervals of days or months or years. Each represents stream flow at the time it was made. Typically, the available measurements are fewer than 50.

Because there are so few measurements, the variability of the stream flow is usually significantly underrepresented. Estimating flow duration curves from these measurements works best when the stream exhibits small variability, for example, when dominated by spring flow. Using miscellaneous measurements to estimate flow duration curves for highly variable, runoff-driven streams should be undertaken with great care. Appendix B lists the miscellaneous measurements available in the Klamath Basin.

In a method similar to the one used to correct continuous measurements to the base period, miscellaneous measurements are used in association with a long-term continuous stream flow record to estimate the 50-percent exceedance stream flow for the measurement site (Searcy,

1959). The relationship between the two streams is established by a linear regression of their concurrent measurements. The method scales the flow duration curves of the index gage either up or down as a function of the regression line. The resultant flow duration curves are identical in shape to the flow duration curves for the continuous record station.

Since the shapes of the resultant monthly flow duration curves depend entirely on the index gage, it is important to choose an index gage with a watershed as similar to the watershed of the miscellaneous measurements as possible. While it is most convenient to use a long-term station to create flow duration curves for the miscellaneous site, sometimes the best relationship is with a short record gage. In this case, the resulting flow duration curves must be corrected to the base period using a gage with a long-term record.

Cooper (2002) has an example calculation of flow duration curves using miscellaneous measurements for Sun Creek, a tributary of Annie Creek.

Correction to Natural Stream Flow

Gaged stream flows and miscellaneous measurements, and therefore, the flow duration curves derived from them, are commonly affected by upstream consumptive uses. To obtain natural stream flow estimates, the average consumptive use during the period of record for the gage is estimated and added to the exceedance stream flow derived from the gaged stream flow.

$$Q_{NSF} = Q_{GAGE} + CU \dots\dots\dots (1)$$

Where

- Q_{NSF} = natural stream flow,
- Q_{GAGE} = measured stream flow and
- CU = consumptive use.

Calculation of consumptive uses is discussed in the following section. Recall that measured stream flows significantly affected by storage are not used in this analysis. Where affects of storage are minor (e.g., from farm ponds or log ponds) the gaging station record may be used and a correction applied.

Estimating Consumptive Use

A consumptive use is any water use that causes a net reduction in stream flow and is usually associated with an evaporative or transpirative loss (Figure 3). OWRD uses four major categories of consumptive use: irrigation, municipal, storage and all others (e.g., domestic, livestock, industrial). Generally, all uses but storage are considered less than 100 percent consumptive. A user's diversion is more than is lost to consumption. For example, for a domestic use very little water from showers, toilet flushing or dish washing is actually lost. Eventually, most of the diverted water (treated, of course) is returned to the stream.

In calculating natural stream flow only the part of the diversion lost to evaporation and transpiration is added to measured stream flows. The exception to this "rule" occurs when diversions are from one watershed to another. In this case, the use is 100 percent consumptive for the watershed where diversion occurs. The consumptive use *is* the diversion. Cooper (2002) discusses consumptive uses in more detail.

Irrigation Consumptive Use

Water consumption by irrigation cannot be calculated directly from either the allocated withdrawals for irrigation or the number of acres to be irrigated by each right. Actual irrigation withdrawals may vary significantly from those permitted by the paper rights and may be as little as 50 percent of that permitted. Many growers do

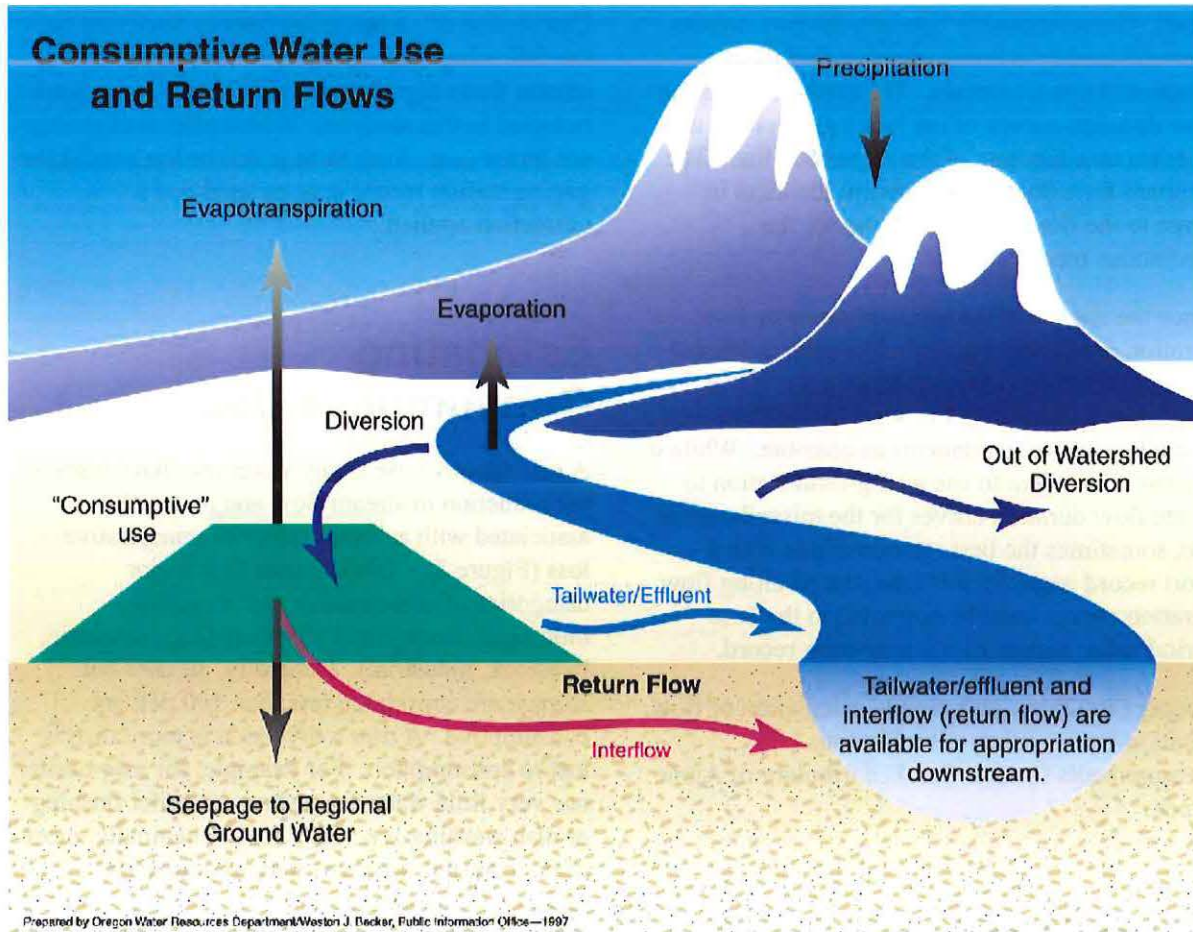


Figure 3. Consumptive water use and return flows.

not exercise their rights in every year to the fullest extent nor irrigate as many acres as they are permitted. Non-use due to agricultural practices, such as crop rotation and leaving fields fallow, also account, in part, for the differences.

The Department obtains estimates of water consumption by irrigation from the Portland office of the U.S. Geological Survey, which reports water use in the state every five years (Broad, 1992, 1993; Broad and Collins, 1996). The number of irrigated acres and total annual consumptive use is tabulated for areas, called hydrologic units, delineated by the USGS. The number of irrigated acres is based on a combination of the 1987 Census of Agriculture,

1990 crop statistics provided by the Cooperative Extension Office at Oregon State University, and the 1989 - 90 Oregon Agriculture and Fisheries statistics. Consumptive use is based on the number of irrigated acres by crop type, irrigation method, and an Oregon State University study on crop water requirements (Cuenca, 1992). Table 2 shows the consumptive use for each of the hydrologic units in the Klamath Basin. Also shown are the actual number of acres irrigated from a census conducted by the USGS and the number of potential acres irrigated from the water rights of record.

Only rarely will a gaged watershed also be a hydrologic unit (e.g., the Sprague River near

Table 2. Annual consumptive use in the Klamath Basin.

Hydrologic Unit	Consumptive Use	Acres Irrigated by USGS Census	Acres Irrigated by Water Rights of Record
	(ac-ft)	(acres)	(acres)
18010201	76,029	48,519	71,806
18010202	65,600	40,867	55,442
18010203	62,018	39,578	58,573
18010204	142,894	91,072	134,189
18010206	3,637	2,180	4,258
18020001	54,455	33,019	40,103

Chiloquin, OR, 11501000). Generally, the gaged watershed will be either larger than a single hydrologic unit (e.g., the Williamson River near Klamath Agency, OR, 11502500) or most often, smaller than and contained within a hydrologic unit (e.g., Sycan River above Snake Creek near Beatty, OR, 1149100). Where the watershed is larger than a hydrologic unit, the annual consumptive uses from the hydrologic units within the watershed must be combined to get the consumptive use for the watershed. Where the watershed is smaller than a hydrologic unit, the consumptive use for the watershed is only a part, or fraction, of the consumptive use for the hydrologic unit.

To calculate this fraction, the number of acres *permitted* to be irrigated is determined for both the watershed and the hydrologic unit. The fraction is found by dividing the number of acres for the watershed by the number of acres for the hydrologic unit. Multiplying this fraction by the annual water consumption in the hydrologic unit gives an estimate of the annual water consumption for the watershed.

Because the water consumption must be calculated on a monthly basis, the annual value obtained from the USGS's report must be distributed over the growing season. Table 3 shows the distributions used in the Klamath Basin. Figure 4 shows where each distribution was used.

There are two general types of distributions: 1) for the case where water is sufficient to meet crop demand and 2) for the case where it is not. In the first case, the distribution follows the crop demand and will typically peak in July and August. In the second case, irrigators typically divert more water than is required by crop demand early in the season when water is available. This over-irrigation increases soil moisture, which reduces the irrigation requirement late in the season when water may not be available. These distributions tend to have peaks in May and June rather than July and August. It is worth noting that only diversions from live flow are likely to be water limited. Diversions from storage tend to have distributions that follow the crop demand.

Table 3. Distribution of irrigation consumptive use by month.

Region	J	F	M	A	M	J	J	A	S	O	N	D
	Fraction of Annual											
7	.000	.000	.008	.077	.128	.175	.243	.200	.126	.041	.001	.000
18	.000	.000	.000	.067	.127	.173	.261	.207	.141	.024	.000	.000
34	.000	.000	.028	.127	.361	.289	.086	.045	.039	.025	.000	.000
35	.000	.000	.037	.084	.202	.257	.168	.100	.087	.065	.000	.000
43	.000	.000	.000	.054	.159	.201	.223	.189	.137	.038	.000	.000
55	.040	.063	.103	.234	.292	.107	.034	.022	.021	.024	.028	.032
56	.068	.074	.086	.125	.146	.117	.068	.058	.060	.064	.064	.069
83	.010	.005	.025	.060	.170	.190	.190	.180	.085	.055	.025	.015

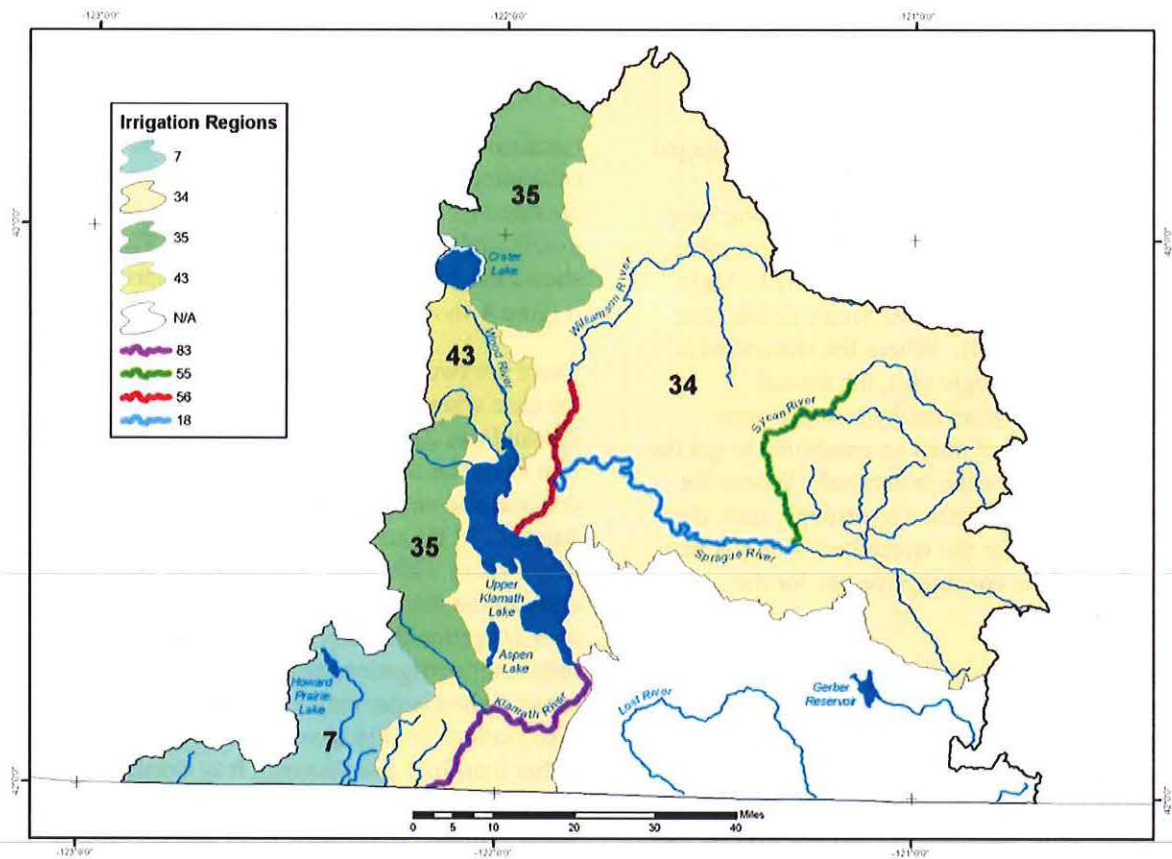


Figure 4. Irrigation distribution regions of the Klamath Basin. See Table 3.

Usually, the distributions used by OWRD are based either on measured canal diversions or on theoretical crop water requirements. The Klamath Basin is unique in that it has 3 special distributions that are based on neither. These special distributions are discussed at the end of this section.

Whether water is limited or not, canal diversions provide the best information about how water use is distributed over the irrigation season. Where water is not limited, distributions based on theoretical crop water requirements may be used. OWRD uses crop water requirements taken from work by Cuenca et al (1992). Distributions based on canal diversions where water is not limited tend to resemble distributions based on theoretical crop water requirements.

The distributions for regions 7 and 18 (Table 3) are based on theoretical crop water requirements. Use of the distributions assumes that water is not limited during the growing season. Region 7 is used for Jenny Creek and Klamath River tributaries to the west. Although summer flows for these streams are naturally low, demand is small.

Region 18 is used for gages on the mainstem Sprague River below the confluence of the North and South Forks. While there is significant demand for water from the Sprague River, stream flow is sufficient to meet demand throughout the irrigation season.

The distributions for Region 34, 35, and 43 are based on canal diversions. Region 34 has been applied to many of the dry, water limited, areas of eastern Oregon. Region 35 has been applied to wetter areas, still water limited, mostly on the east slope of the Cascade Mountains. Region 43 is based on diversions to the 'A' canal. Generally, sufficient diversions are made in this case to meet crop demands. Not surprisingly, this distribution

strongly resembles the distributions for Region 18. Region 43 is used for watersheds near Klamath Lake where water use typically is not limited: Wood River and Crooked and Sevenmile Creeks.

Regions 55, 56, and 83 are special distributions for gages measuring stream flow passing through Sycan Marsh, Klamath Marsh and Klamath Lake. Because water is stored in the marshes and used in place for irrigation of pasture, the water is considered used when it is stored. For regions 55 and 56, then, the distributions are based on inflows to the marshes. Klamath Lake attenuates stream flow passing through it; region 83 accounts for this attenuation for gages on the mainstem Klamath River below the lake.

Municipal Consumptive Use

Consumptive use is obtained by multiplying a consumptive use coefficient by the actual diversion rate of the municipality². Table 4 gives the coefficients used around the state. These coefficients are based on actual municipal diversions and sewage outfalls.

Municipal diversion from surface water at present is insignificant in the Klamath Basin.

Storage Consumptive Use

Measured stream flows significantly impacted by storage generally are not used in this analysis, as it is difficult to account for the effects of storage and storage releases. Smaller storages (e.g., farm ponds) are accounted for by assuming that they are filled once each year and that the fill rate is proportional to stream flow over the storage season. The average fill rate is that required to fill the pond over the storage season.

² Municipalities are required to report the amount of their diversion annually. This data is kept by the Oregon Water Resources Department.

Table 4. Municipal consumptive use coefficients.

	Coastal Basins	Willamette and Sandy	Rogue and Umpqua	East Side (Summer Discharge)	East Side (No Summer Discharge)
Summer	0.15	0.45	0.64	0.60	1.00
Winter	0.10	0.15	0.15	0.30	0.30

Other Consumptive Uses

These uses are minor in comparison to irrigation and are generally minor in comparison to stream flow. The calculation of the consumptive part of these uses is based on the associated water rights. Consumptive use is obtained by

multiplying a consumptive use coefficient by the maximum diversion rate allowed for the water right (Table 5). Coefficients are applied to all months of the year. These coefficients are based on work done by the USGS (Solley and Merk, 1985).

Table 5. Consumptive use coefficients for minor out-of-stream uses.

Use	Coefficient
Industrial	0.10
Domestic	0.20
Commercial	0.15
Livestock	0.50
Agricultural	0.50

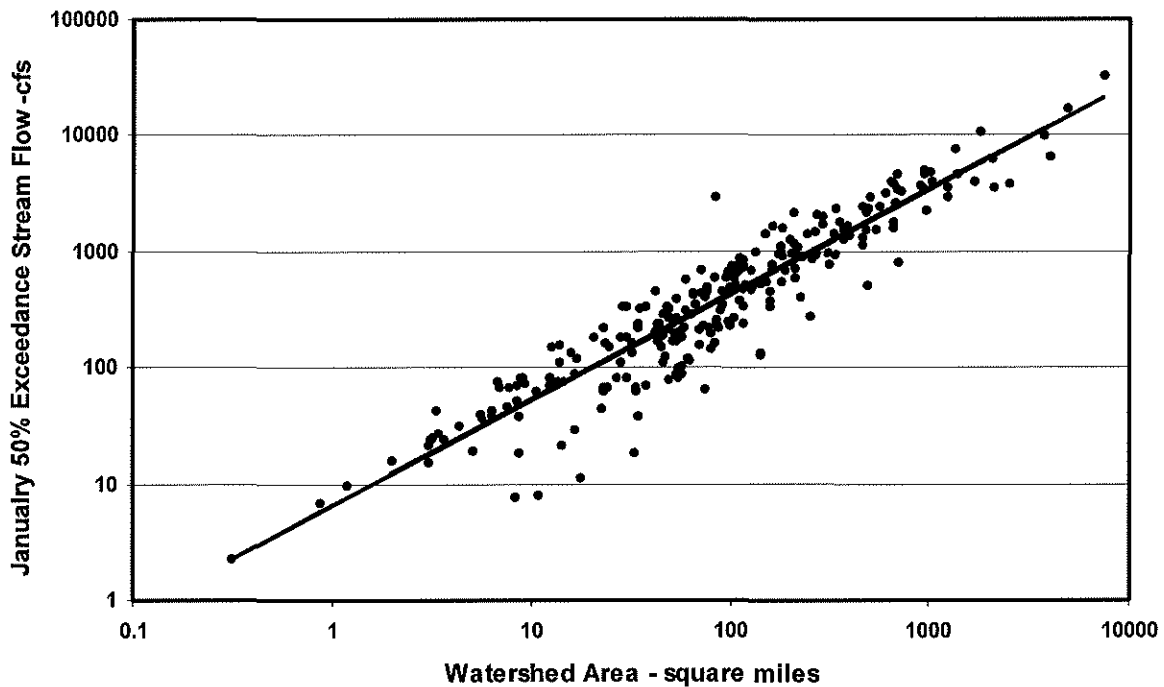


Figure 5. January 50-percent exceedance stream flow vs. watershed area for gaged streams west of the Cascade crest using log-transformed data.

Regional Regression Analysis

Some watersheds identified in the Klamath Basin do not have measured stream flows. For these cases, stream flows are generalized from measured sites using a regional regression analysis³. Regression analysis is based on the assumption that stream flow is related to various watershed characteristics. For example, stream flow increases with watershed size, other factors like precipitation being equal. A 100 square-mile watershed will produce more runoff than a 25 square-mile watershed.

As an example, the relationship between 50-percent exceedance natural stream flow for January and watershed area for gaged streams west of the Cascade crest is shown in Figure 5. The line shown on the plot is drawn to minimize the sum of the squared differences between the line and the points. The line “models” the relationship between stream flow and watershed area. It can be used to predict the stream flow for a watershed given its area.

Similar relationships exist between stream flow and other watershed characteristics (Table 6), each characteristic accounting for part of the variability in stream flow. These relationships can be

³ Using statistical regression models to estimate stream flow is a standard hydrologic technique and is well documented in the literature. (Harris, et al, 1979; Harris and Hubbard, 1983; Lystrom, 1973; Riggs, 1973; Thomas and Benson, 1969)

Table 6. Watershed characteristics used in the regression analysis.

Watershed area
 Maximum watershed relief
 Mean watershed slope
 Mean slope aspect
 Mean January precipitation
 Mean July precipitation
 Mean July minimum temperature
 Mean January maximum temperature
 Soil Permeability

quantified in a mathematical form. For example, the following equation is the mathematical relationship between the 50-percent exceedance natural stream flow for January and watershed characteristics for watersheds east of the Cascade crest:

$$Q_{NSF} = \exp(-12.2)A^{1.02} S^{0.568} As^{0.962} E^{-1.03} JnP^{1.38} JIP^{0.617} JXT^{3.21} SP^{0.385} \dots (2)$$

where

- A** = Area
- S** = Mean Slope
- As** = Mean Aspect
- E** = Mean Elevation
- JnP** = Mean January Precipitation
- JIP** = Mean July Precipitation
- JXT** = Mean January Maximum Temperature
- SP** = Mean Soil Permeability

For a watershed where the 50-percent exceedance stream flow is unknown, an estimate of the stream flow is made substituting the *known* characteristics for the watershed into the regression equation.

Generally it is required that the known stream flow statistics used in formulating the regression equations represent *natural* stream flow (Thomas and Benson, 1969). Flow regulation by reservoirs or withdrawals from the stream cannot be accounted for in the regression model. Including them results in a poor regression model that gives biased stream flow estimates.

Cooper (2002) discusses regional regression in more detail. Additional topics include defining the mathematical relationship between stream flow and watershed characteristics, transforming the data to improve linearity, estimating watershed characteristics, and goodness of fit.

Applying the Regional Regression Analysis in the Klamath Basin

Regression equations had limited use in the Klamath Basin. Only watersheds whose stream flow responds primarily to the watershed characteristics shown in Table 6 were candidates for these equations. The equations were used with

success in parts of the upper Sycan and Sprague Rivers and for some tributaries to the Klamath below Klamath Lake. Flows for streams dominated by spring flow or by regulation from lakes or marshes generally cannot be estimated by this method.

Two regression regions are defined for use in the Klamath Basin:

1. Region 10 for all areas west of the Cascades (used west of Jenny Creek), and
2. Region 30 for all areas east of the Cascades (used east of Jenny Creek).

These regression regions and the regression equations for each region were developed for the water availability program at OWRD. See Cooper (2002) for details.

Regression equations were determined for each region for each month using the nine watershed

characteristics shown in Table 6. The east side analysis made use of 137 gages and includes all US Forest Service gages except Five Mile Creek and the Sycan River below Sycan Marsh. The west side analysis made use of 248 gages. Tables 8 and 9 show the characteristics used for each equation and Table 10 shows the goodness of fit for each equation.

As an example, consider this calculation of the 50-percent exceedance stream flow during January for Ish Tish Creek at its mouth. Ish Tish Creek is a tributary to the South Fork Sprague River in the Klamath Basin. The physical characteristics for the watershed are given in Table 7. Substituting into Equation 2:

$$Q_{NSF} = \exp(-12.2)(19.9)^{1.02}(7.85)^{0.568} \\ (210)^{0.962} (5350)^{-1.03} (2.37)^{1.38} \\ (0.60)^{0.617} (40.3)^{3.21} (1.24)^{0.385}$$

$$Q_{NSF} = 3.17 \text{ cfs}$$

Table 7. Watershed characteristics for Ish Tish Creek at the mouth.

Characteristic	Characteristic Value
Area (A)	19.9 mi ²
Slope (S)	7.85%
Aspect (As)	210°
Mean Elevation (E)	5350 ft
Mean January Precipitation (JnP)	2.37 in
Mean July Precipitation (JIP)	0.60 in
Mean January Maximum Temperature (JXT)	40.3 °F
Mean Soils Permeability (SP)	1.24 in/hr

Watershed Characteristic	J	F	M	A	M	J	J	A	S	O	N	D
Area	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Relief	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Slope	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Aspect	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Elevation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Jan Precipitation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Jul Precipitation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Jan Max Temp	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Jul Min Temp	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Soil Permeability	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Table 9. Watershed characteristics used for region 30.

Watershed Characteristic	J	F	M	A	M	J	J	A	S	O	N	D
Area	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Relief	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Slope	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Aspect	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Elevation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Jan Precipitation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Jul Precipitation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Jan Max Temp	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Jul Min Temp	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Soil Permeability	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Table 8. Watershed characteristics used for region 10.

Table 10. Goodness of fit for regression models.

Month	Region 10			Region 30		
	# Gages	% SE	r ²	# Gages	% SE	r ²
Jan	249	24	98	137	38	95
Feb	249	23	98	139	34	96
Mar	249	22	98	139	36	95
Apr	249	26	98	139	43	93
May	247	35	96	139	56	90
Jun	245	40	96	139	55	93
Jul	245	51	94	134	55	94
Aug	245	60	92	135	68	91
Sep	245	58	93	135	71	90
Oct	247	48	94	135	67	90
Nov	249	35	96	135	49	93
Dec	249	25	98	137	46	94

Stream Flow Correction

Gaged stream flows can be used to improve stream flows estimated by the regression equations. Simply put, the sum of stream flows for contributing areas above a gage should equal the gaged stream flow. This case is best illustrated by an example.

Figure 6 shows the watersheds at the upper end of the South Fork Sprague River. Watershed 31420226 is Whitworth Creek. Watershed 70799 is the South Fork Sprague River above Whitworth Creek. Watershed 61420208 is the South Fork Sprague River above Brownsworth Creek and includes both of the other watersheds.

The US Forest Service operates a gage at the mouth of watershed 61420208. The area identified as 41420202 is not a watershed. It represents the area of watershed 61420208 not accounted for by watersheds 31420226 and 70799.

In Table 11, column 2 lists the monthly 50-percent exceedance stream flow for the gage at the mouth of watershed 61420208 (corrected to the base period and natural stream flow). The next 3 columns show the monthly stream flows estimated by the regression equations for area 41420202 and watersheds 31420226 and 70799. Column 6 shows the sum of the monthly stream flows for the previous 3 columns.

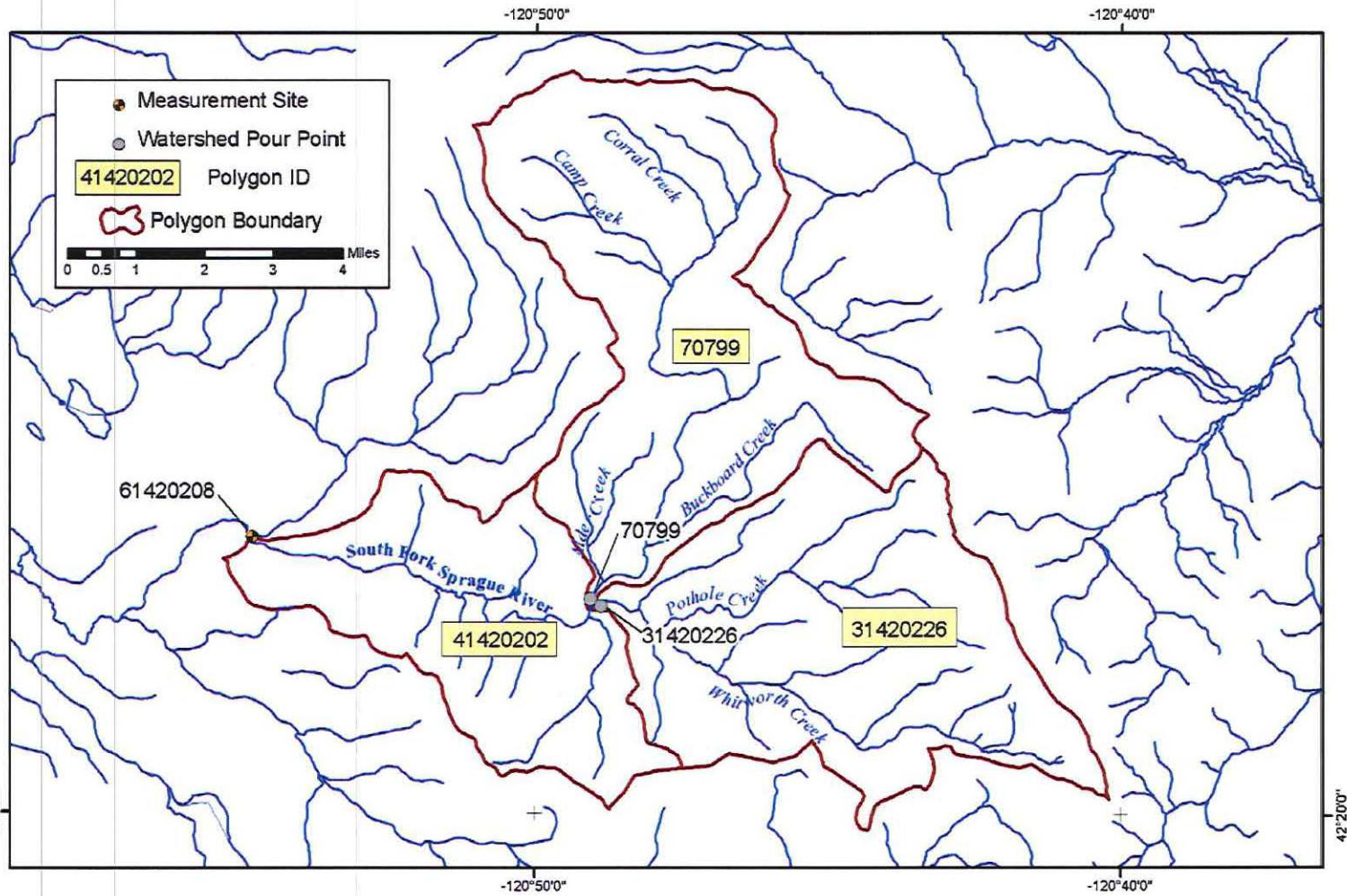


Figure 6. Correction of model estimates with gaged stream flow.

Table 11. Correction of model estimates with gaged stream flow - an example, South Fork Sprague River.

Month	Measured Stream Flows	Modeled Stream Flow				Corrected Stream Flow			
	61420208	41420202	31420226	70799	Sum	Correction	41420202	31420226	70799
Jan	21.1	2.3	7.0	5.4	14.7	1.44	3.3	10.0	7.8
Feb	23.0	4.4	9.0	7.7	21.1	1.09	4.8	9.8	8.4
Mar	45.2	8.0	15.9	15.0	38.9	1.16	9.3	18.4	17.4
Apr	108.0	8.9	22.4	23.9	55.2	1.96	17.4	43.9	46.8
May	137.0	5.8	26.8	27.6	60.2	2.28	13.2	61.1	62.9
Jun	52.4	2.3	14.1	14.5	30.9	1.70	3.9	24.0	24.7
Jul	16.5	0.6	4.0	4.0	8.6	1.92	1.2	7.7	7.7
Aug	11.3	0.3	1.6	1.6	3.5	3.23	1.0	5.2	5.2
Sep	11.7	0.3	1.4	1.3	3.0	3.90	1.2	5.5	5.1
Oct	13.9	0.3	1.5	1.5	3.3	4.21	1.3	6.3	6.3
Nov	17.5	0.8	2.9	2.4	6.1	2.87	2.3	8.3	6.9
Dec	17.7	1.6	5.0	3.8	10.4	1.70	2.7	8.5	6.5

If the estimated monthly stream flows for 41420202, 31420226, and 70799 were exact, they would sum to the actual stream flows for watershed 61420208. Clearly, they do not. In order to improve the estimates, a correction factor is calculated by dividing the actual monthly stream flows by the corresponding sum of monthly estimated stream flow. The correction factors are shown in column 7 of Table 11. If each estimated monthly stream flow is multiplied by its respective correction factor, a set of estimated stream flows is generated that sum to the actual flows at 61420208. These corrected flows are shown in columns 8 to 10.

stream flows represent the volume of stream flow as do average stream flows. Strictly speaking, this is not the case. However, when attenuation of peak flows and travel times are short, it is a good approximation. It is a poor approximation when gradients are low, when significant lakes or marshes occur in the waterway, and when travel times are long.

A variation on this method can be used to correct stream flows for a single ungaged watershed. In this case, the correction factors are determined by comparing modeled stream flows to actual stream flows for a gaged watershed that is hydrologically similar to the ungaged watershed. An example using this method is shown in Table 12.

In using this method, we assume that exceedance

Table 12. Correction of model estimates with gaged stream flow - an example, an unnamed tributary to Annie Creek.

Month	Gaging Station 61420103			Watershed 31420309	
	Actual	Modeled	Correction	Modeled	Corrected
Jan	17.5	20.3	0.86	3.9	3.3
Feb	17.3	17.0	1.02	3.3	3.3
Mar	17.6	19.0	0.93	3.2	2.9
Apr	22.4	32.5	0.69	4.0	2.8
May	40.5	97.3	0.42	8.6	3.6
Jun	63.4	132	0.48	9.0	4.3
Jul	51.7	74.2	0.70	4.8	3.4
Aug	31.0	49.6	0.62	3.2	2.0
Sep	27.8	49.9	0.56	3.1	1.7
Oct	22.2	46.0	0.48	3.1	1.5
Nov	20.0	30.2	0.66	3.5	2.3
Dec	19.3	19.8	0.97	3.4	3.3

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Appendix A

Lists of Gages in the Klamath Basin

Klamath Basin
[Index Gages]

11493500 Williamson River near Klamath Agency, OR
POR: 3/1908 - 1/1909, 4/1909 - 6/1910, 10/1954 -
9/1995, 10/1998 - 9/2002 [Missing: 3/1908 -
1/1909, 4/1909 - 6/1910]
Area: 1320 (Published: 1290 approx.)
Elev: 4480
HUC: 18010201
OSU Region: 18
Remarks: Flow affected by natural storage in Klamath
Marsh. Small diversions for irrigation near
marsh.

11497500 Sprague River near Beatty, OR
POR: 4 - 9/1912, 11/1912 - 9/1913, 10/1913 - 9/1915,
2 - 11/1916, 3/1917 - 6/1918, 5/1919 - 10/1920,
2/1921 - 9/1924 (irrigation seasons only), 4 -
9/1925, 4 - 9/1926, 10/1953 - 9/2001 [Missing:
3/1912 - 9/1924]
Area: 526 (Published: 513)
Elev: 4310
HUC: 18010202
OSU Region: 18
Remarks: Diversions for irrigation near Bly. No
regulation.

11501000 Sprague River near Chiloquin, OR
POR: 6 - 10/1920, 3/1921 - 9/2002 [Missing: 6 -
10/20]
Area: 1590 (Published: 1580 approx.)
Elev: 4200
HUC: 18010202
OSU Region: 18
Remarks: Minor regulation from irrigation diversions.

11502500 Williamson River below Sprague River, near Chiloquin, OR
POR: 10/1917 - 9/2002 [Missing: 10/1922 - 9/1923]
Area: 996 (Published: 3000 approx.)
Elev: 4160
HUC: 18010201, 18010202
OSU Region: 18
Remarks: Some regulation by diversion dams and logponds
on Sprague River. Diversions for irrigation.

Klamath Basin
[Short Records]

11483500 Miller Creek at Gerber Reservoir, near Lorella, OR
POR: 8/1904 - 12/1908
Area: 216 (Published: 220 approx.)
Elev: 4800
HUC: 18010204
OSU Region: 18
Remarks: Diversions for irrigation.

11484000 Miller Creek near Lorella, OR
POR: 1/1909 - 6/1920 [Missing: 10/1918 - 6/1920]
Area: NOT Digitized. (Published: 270 approx.)
Elev: 4200
HUC: 18010204
OSU Region: 18
Remarks: Diversions for irrigation.

11491400 Williamson River below Sheep Creek, near Lenz, OR
POR: 10/1973 - 9/2001
Area: 197 (Published: 205)
Elev: 4550
HUC: 18010201
OSU Region: 18
Remarks: Diversions for irrigation.

11492100 Williamson River at Military Crossing, near Lenz, OR
POR: 10/1995 - 9/1997
Area: 513 (Published: N/A)
Elev: 4410
HUC: 18010201
OSU Region: 18
Remarks: Diversions for irrigation. Estimated record.

11492400 Big Springs Creek below Lenz Ranch, near Lenz, OR
POR: 6/1992 - 9/1995
Area: indeterminate (Published: N/A)
Elev: 4516
HUC: 18010201
OSU Region: 18
Remarks: All flow from springs.

11494000 Williamson River above Spring Creek, near Klamath Agency, OR
POR: 5 - 9/1912, 4 - 7/1918, 1 - 6/1919, 6/1920 -
9/1922, 10/1923 - 9/1925
Area: 1340 (Published: 1330 approx.)
Elev: 4200
HUC: 18010201
OSU Region: 18
Remarks: Flow affected by natural storage in Klamath
Marsh. Small diversions for irrigation near
marsh.

Klamath Basin
[Short Records]

11494500 Williamson River at Chiloquin, OR
POR: 8/1911 - 9/1915
Area: 1380 (Published: 1400 approx.)
Elev: 4200
HUC: 18010201
OSU Region: 18
Remarks: Flow affected by natural storage in Klamath Marsh. Small diversions for irrigation near marsh.

11497000 Fivemile Creek near Bly, OR
POR: 9/1917 - 9/1920
Area: 40.3 (Published: 40 approx.)
Elev: 4300
HUC: 18010201
OSU Region: 18
Remarks: Many daily values missing from digital record. Use as miscellaneous measurements.

11498500 Long Creek near Silver Lake, OR
POR: 5/1918 - 11/1923; 10/1926 - 9/1927; 4/1957
Area: 33.4 (Published: 40 approx.)
Elev: 5100
HUC: 18010201
OSU Region: 18
Remarks: Numerous gaps, missing values. Use as miscellaneous measurements.

11499000 Sycan River near Beatty, OR
POR: 5 - 7/1912, 11/1912 - 6/1913, 5/1914 - 3/1915, 7/1915 - 9/1925 [Missing: 5/1912 - 3/1917]
Area: 524 (Published: 540 approx.)
Elev: 4400
HUC: 18010202
OSU Region: 18
Remarks: Large area irrigated by flooding in Sycan Marsh.

11499100 Sycan River below Snake Creek, near Beatty, OR
POR: 10/1973 - 9/2001
Area: 559 (Published: 568)
Elev: 4310
HUC: 18010202
OSU Region: 18
Remarks: Diversions for irrigation.

Klamath Basin
[Short Records]

11503000 Annie Spring near Crater Lake, OR
POR: 6/1977 - 9/2002
Area: N/A (Published: N/A)
Elev: 5980
HUC: 18010203
OSU Region:
Remarks: Fluctuations caused by pumps .1 mi upstream. Diversion for domestic use by National Park Service .1 mi upstream. Area indeterminate, flow entirely from spring.

11503500 Annie Creek near Fort Klamath, OR
POR: 11/1922 - 9/1925; 6-7/1927
Area: 55.6 (Published: 40)
Elev: 4300
HUC: 18010203
OSU Region:
Remarks: Regulation by flashboards on log pond dam immediately upstream. Gaps.

11504000 Wood River at Fort Klamath, OR
POR: 8 - 11/1911, 4/1913 - 9/1916, 5 - 9/1917, 4/1918 - 1/1920, 5 - 12/1920, 7/1921 - 5/1922, 10/1922 - 9/1936 [Missing: 8 - 11/1911, 4 - 9/1913, 5 - 9/1917, 4 - 9/1918, 10/1919 - 1/1920, 7/1921 - 5/1922]
Area: 80.2 (Published: 90)
Elev: 4170
HUC: 18010203
OSU Region: 18
Remarks: Many diversions for irrigation. Regulation by diversion dams.

11504100 Wood River near Fort Klamath, OR
POR: 10/1964 - 9/1967
Area: 99.6 (Published: 87.7)
Elev: 4150
HUC: 18010203
OSU Region: 18
Remarks: No regulation. Several diversions for irrigation.

11504200 Crooked Creek near Fort Klamath, OR
POR: 10/1964 - 9/1967
Area: 5.24 (Published: 5.68)
Elev: 4150
HUC: 18010203
OSU Region: 18
Remarks: No regulation. Several diversions for irrigation. Discontinued 9/67.

Klamath Basin
[Short Records]

11505700 Varney Creek near Rocky Point, OR
POR: 10/1964 - 9/1967
Area: 16.9 (Published: 7.43)
Elev: 4200
HUC: 18010203
OSU Region: 18
Remarks: Discontinued 9/67.

11507501 Link River at Klamath Falls, OR
POR: 5/1904 - 3/1919
Area: 3740 (Published: 3810 approx.)
Elev: 4080
HUC: 18010201, 18010202, 18010203, 18010204
OSU Region: 18
Remarks: Flow regulated since 4/1919 by Upper Klamath Lake. 4/1919 to 9/1981 in Regulated Gages Diversion by "A" Canal for irrigation. Many other diversions. Records include flow in Keno Canal.

11509500 Klamath River at Keno, OR
POR: 6/1904 - 12/1913
Area: 3832 (Published: 3920)
Elev: 3960
HUC: 18010201, 18010202, 18010203, 18010204
OSU Region: 18
Remarks: Many diversions for irrigation. Regulated since 4/1919 by Upper Klamath Lake. 10/1929 to 9/1997 in Regulated Gages. Fluctuation by Keno Powerplant. Area approx., does not include Lost River or Lower Klamath Lake basins.

11510000 Spencer Creek near Keno, OR
POR: 10/1925 - 9/1931
Area: 84.7 (Published: 90.0)
Elev: 3820
HUC: 18010206
OSU Region: 18
Remarks: Gaps and partial months. Use as miscellaneous measurements.

Klamath Basin
[Short Records]

- 11510500 Klamath River at Spencer bridge, near Keno, OR
POR: 10/1913 - 3/1919
Area: 3961 (Published: 4050)
Elev: 3770
HUC: 18010201, 18010202, 18010203, 18010204
OSU Region: 18
Remarks: Area approx, does not include Lost River or Lower Klamath Lake basins. Diversions above by "A" Canal & by South Canal. About all flow of Lost River during non-irrigation seasons diverted into Klamath River above station. Flow regulated by storage in Upper Klamath Lake. 4/1919 to 9/1931 in Regulated Gages.
- 11512000 Fall Creek near Copco, CA
POR: 7/1928 - 9/1959 [Missing: 7/1928 - 3/1933]
Area: 14.3 (Published: 20)
Elev: 2400
HUC: 18010206
OSU Region: 18
Remarks: Power diversions of about 4 cfs from Spring Creek to Fall Creek. Occasional regulation by powerplant and fish hatchery.
- 11513000 Grizzly Creek near Lilyglen, OR
POR: 2/1916 - 6/1919; 11/1930 - 5/1931 (Runoff season only); 10/1941 - 9/1943; 10/1948 - 9/1950 [Missing: 2/1916 - 6/1919; 11/1930 - 5/1931; 10/1948 - 9/1950]
Area: NOT digitized. (Published: 30.3)
Elev: 4406.78
HUC: 18010206
OSU Region: 18
Remarks:
- 11513500 Beaver Creek near Pinehurst, OR
POR: 10/1943- 9/1948
Area: 13.6 (Published: 12.90)
Elev: 3348.81
HUC: 18010206
OSU Region: 18
Remarks:
-
-

Klamath Basin
[Short Records]

11514500 Keene Creek near Ashland, OR
POR: 4/1917 - 7/1917; 12/1917 - 6/1918; 11/1918 - 6/1919; 11/1919 - 7/1920; 10/1920 - 9/1921; 11/1921 - 6/1922;
Area: 11.6 (Published: 12.1)
Elev: 4710
HUC: 18010206
OSU Region: 18
Remarks: No diversions or regulation for this POR. Flow regulated since 12/1922 by Hyatt Lake. 5/1929 - 9/1947 (summers); 10/1948 - 9/1983; 10/1989 - 9/1990; 6-9/1991; 4/1993 - 2/1995; 6/1995 - 9/1996 in Regulated Gages.

11516500 Jenny Creek near Copco, CA
POR: 10/1922 - 9/1928
Area: 210 (Published: 211)
Elev: 2400
HUC: 18010206
OSU Region: 18
Remarks: Water stored in Hyatt Reservoir diverted to Rogue Basin above station: Non-contributing.

11516600 Cottonwood Creek near Copco, CA
POR: 10/1964 - 9/1971
Area: 90.9 (Published: 89.8)
Elev: 2220
HUC: 18010206
OSU Region: 18
Remarks:

61420101 Cottonwood Creek near Diamond Lake Junction, OR (28S 6E 36 SENE)
POR: 10/1992 - 9/1997
Area: 5.92
Elev: 4870
HUC: 18010201
OSU Region: 18
Remarks: US Forest Service Gage.

61420102 Miller Creek near Beaver Marsh, OR (27S 7E 32 SWSE)
POR: 10/1993 - 9/1997
Area: 20.2
Elev: 5200
HUC: 18010201
OSU Region: 18
Remarks: US Forest Service Gage.

61420103 Sand Creek near Sand Creek Junction, OR (31S 7E 29 NESW)
POR: 10/1992 - 9/1997
Area: 28.1
Elev: 4730
HUC: 18010201
OSU Region: 18
Remarks: US Forest Service Gage.

Klamath Basin
[Short Records]

61420104 Sink Creek near Diamond Lake Junction, OR (31S 7E 29 NESW)
POR: 10/1995 - 9/1997
Area: 9.63
Elev: 5450
HUC: 18010201
OSU Region: 18
Remarks: US Forest Service Gage.

61420201 Coyote Creek near Sycan Marsh (31S 13E 27 NWSE)
POR: 10/1992 - 9/1996
Area: 9.96
Elev: 5180
HUC: 18010202
OSU Region: 18
Remarks: US Forest Service Gage. WS ID# 21420298.

61420202 Deming Creek near Bly, OR (36S 15E 10 NESE)
POR: 0/1992 - 9/1997 [Missing: 9/1996]
Area: 4.50
Elev: 5400
HUC: 18010202
OSU Region: 18
Remarks: US Forest Service Gage.

61420203 Fishhole Creek near Bly, OR (38S 15E 4 SWNW)
POR: 10/1992 - 9/1997
Area: 37.3
Elev: 4800
HUC: 18010202
OSU Region: 18
Remarks: US Forest Service Gage.

61420204 Fivemile Creek near Bly, OR (35S 14E 24 SWSE)
POR: 10/1992 - 9/1997
Area: 35.0
Elev: 4600
HUC: 18010202
OSU Region: 18
Remarks: US Forest Service Gage.

61420205 Long Creek near Bly, OR (31S 12E 5 SWSE)
POR: 10/1992 - 9/1997
Area: 5.47
Elev: 6210
HUC: 18010202
OSU Region: 18
Remarks: US Forest Service Gage.

61420206 N FK Sprague River near Bly, OR (34S 16E 30 SWSW)
POR: 10/1992 - 9/1997
Area: 35.2
Elev: 6200
HUC: 18010202
OSU Region: 18
Remarks: US Forest Service Gage.

Klamath Basin
[Short Records]

61420207 Paradise Creek near Sycan Marsh (33S 15E 22 NESE)
POR: 10/1992 - 9/1997
Area: 14.3
Elev: 6010
HUC: 18010202
OSU Region: 18
Remarks: US Forest Service Gage WS ID# 70817.

61420208 S FK Sprague River near Bly, OR (37S 15E 2 SENW)
POR: 10/1992 - 9/1997
Area: 62.0
Elev: 4600
HUC: 18010202
OSU Region: 18
Remarks: US Forest Service Gage.

61420209 Sycan River above Sycan Marsh (32S 14.5E 32 SWSW)
POR: 10/1992 - 9/1997
Area: 95.5
Elev: 5090
HUC: 18010202
OSU Region: 18
Remarks: US Forest Service Gage.

61420210 Sycan River at Road Bridge below Sycan Marsh (33S 13E 16 SENW)
POR: 10/1992 - 9/1997
Area: 334
Elev: 5000
HUC: 18010202
OSU Region: 18
Remarks: US Forest Service Gage.

61420297 Long Creek at Sycan Marsh (32S 14E 4 SENW)
POR: 9/1995 - 8/1997
Area: ~41.4
Elev: ~5080
HUC: 18010202
OSU Region: 18
Remarks: BIA Gage Significant ice effects not accounted for.

61420298 N Fk Sprague River at ~RM 12 nr The Elbow (35S 14.5E 36 NWNW)
POR: 9/1995 - 8/1997
Area: ~72.1
Elev: ~4740
HUC: 18010202
OSU Region: 18
Remarks: BIA Gage Stream flow affected by power plant upstream.

Klamath Basin
[Short Records]

61420299 Sprague River at Lone Pine, OR (35S 10E 10 SENE)
POR: 9/1995 - 8/1997
Area: ~1420
Elev: ~4300
HUC: 18010202
OSU Region: 18
Remarks: BIA Gage Stream flows sometimes exceed flows at 11501000.

61420301 Annie Creek near Fort Klamath, OR (32S 6E 25 SENE)
POR: 10/1992 - 9/1997
Area: 28.8
Elev: 4400
HUC: 18010203
OSU Region: 18
Remarks: US Forest Service Gage.

61420302 Cherry Creek near Klamath Agency, OR (34S 6E 22 SENE)
POR: 10/1992 - 9/1997
Area: 16.2
Elev: 4400
HUC: 18010203
OSU Region: 18
Remarks: US Forest Service Gage.

61420303 Sevenmile Creek near Klamath Agency, OR (33S 6E 11 SESE)
POR: 10/1992 - 9/1997
Area: 24.9
Elev: 4400
HUC: 18010203
OSU Region: 18
Remarks: US Forest Service Gage.

61420399 Wood River near Site of Former USGS Gage 11504000 (33S 7E 27 SWSW)
POR: 9/1995 - 8/1997
Area: ~81
Elev: ~4270
HUC: 18010202
OSU Region: 18
Remarks: BIA Gage.

61420601 Spencer Creek near Keno OR (38S 6E 18 NWSE)
POR: 10/1992 - 9/1997
Area: 35.4
Elev: 5000
HUC: 18010203
OSU Region: 18
Remarks: US Forest Service Gage.

**Klamath Basin
[Regulated Gages]**

11483500 Miller Creek at Gerber Reservoir, near Lorella, OR
POR: 1/1925 - 9/1950 [BOR]
Area: 118 (Published: 220 approx.)
Elev: 4800
HUC: 18010204
OSU Region: 18
Remarks: Flow completely regulated by Gerber Reservoir, capacity 94,270 acre-ft since 3/1925. 8/1904 - 12/1908 in Short Record Gages. Diversions for irrigation.

11505600 Fourmile Creek near Rocky Point, OR
POR: 10/1964 - 9/1967
Area: 98.4 (Published: 105)
Elev: 4200
HUC: 18010203
OSU Region: 18
Remarks: Regulated by Fourmile Lake. Discontinued 9/67.

11507500 Link River at Klamath Falls, OR
POR: 4/1919 - 9/2002
Area: 3769 (Published: 3810 approx.)
Elev: 4080
HUC: 18010201, 18010202, 18010203, 18010204
OSU Region: 18
Remarks: Flow regulated since 4/1919 by Upper Klamath Lake. 5/1904 - 3/1919 in Short Record Gages. Large diurnal fluctuation caused by powerplant. Area includes 26.2 mi² in closed basin of Crater Lake. Diversion by "A" Canal for irrigation. Many other diversions.

NOTE --> Prior to 10/1983 records include flow in Keno Canal. After 10/1983, records do not include flow in Keno Canal, which, since 9/08 has diverted from Upper Klamath Lake at Link River Dam for power generation, & returns flow to Link River downstream.

Klamath Basin
[Regulated Gages]

11507501 Link River at Klamath Falls, OR
POR: 4/1919 - 9/1983
Area: 3769 (Published: 3810 approx.)
Elev: 4080
HUC: 18010201, 18010202, 18010203, 18010204
OSU Region: 18
Remarks: Flow regulated since 4/1919 by Upper Klamath Lake. 5/1904 - 3/1919 in Short Record Gages. Large diurnal fluctuation caused by powerplant. Area includes 26.2 mi² in closed basin of Crater Lake. Diversion by "A" Canal for irrigation. Many other diversions. Records include flow in Keno Canal.

11509500 Klamath River at Keno, OR
POR: 10/1929 - 9/2002
Area: 3833 (Published: 3920)
Elev: 3960
HUC: 18010201, 18010202, 18010203, 18010204
OSU Region: 18
Remarks: Area approx., does not include Lost River or Lower Klamath Lake basins. Many diversions for irrigation. Regulated since 4/1919 by Upper Klamath Lake. 6/1904 - 12/1913 in Short Record Gages. Fluctuation by Keno Powerplant.

11510500 Klamath River at Spencer bridge, near Keno, OR
POR: 4/1919 - 9/1931
Area: 3966 (Published: 4050)
Elev: 3770
HUC: 18010201, 18010202, 18010203, 18010204
OSU Region: 18
Remarks: Area approx., does not include Lost River or Lower Klamath Lake basins. Diversions above by "A" Canal & by South Canal. About all flow of Lost River during non-irrigation seasons diverted into Klamath River above station. Flow regulated by storage in Upper Klamath Lake since 4/1919. 10/1913 - 3/1919 in Short Record Gages.

Klamath Basin
[Regulated Gages]

11510700 Klamath River below John C. Boyle Powerplant, near Keno, OR
POR: 1/1959 - 9/2002 [Missing: 10/1959 - 9/1960]
Area: 3989 (Published: 4080)
Elev: 3270
HUC: 18010201, 18010202, 18010203, 18010204, 18010206
OSU Region: 18
Remarks: Area approx., does not include Lost River or Lower Klamath Lake basins. Diversions for irrigation. Regulated by Upper Klamath Lake since 4/1919. Large diurnal fluctuations caused by powerplants upstream.

11514500 Keene Creek near Ashland, OR
POR: 5/1929 - 9/1947 (summers); 10/1948 - 9/1983; 10/1989 - 9/1990; 6-9/1991; 4/1993 - 2/1995; 6/1995 - 9/1996
Area: 11.6 (Published: 12.1)
Elev: 4710
HUC: 18010206
OSU Region: 18
Remarks: Flow regulated since 12/1922 by Hyatt Lake. No diversions. 4/1917 - 7/1917; 12/1917 - 6/1918; 11/1918 - 6/1919; 11/1919 - 7/1920; 10/1920 - 9/1921; 11/1921 - 6/1922 in Short Records.

11516000 Keene Creek near Lincoln, OR
POR: Published : 10/1943 - 9/1948;
Digital: 10/1940 - 9/1945 (Gaps)
Area: NOT digitized. (Published: 19.3)
Elev:
HUC: 18010206
OSU Region: 18
Remarks: Flow regulated since 12/1922 by Hyatt Lake. Diversion upstream to Keene Canal. Area includes 11.7 sq. mi. above Hyatt R. dam Which is normally non-contributing.

11512500 Klamath River below Fall Creek nr Copco, CA
POR: 10/1923 - 09/1961
Area: NOT digitized. (Published: 4370)
Elev: 2310
HUC: 18010206
OSU Region: 18
Remarks:

Klamath Basin
[Canal Gages]

11486000 Lost River Diversion Canal near Olene, OR
 POR: 5/1912 - 09/1968
 HUC: 18010204
 Remarks: Diversions from Lost River to Klamath
 River.

11504600 Cascade Canal at Fourmile Lake nr Lakecreek, OR
 POR: 10/1922 - 09/1991
 HUC: 18010203
 Remarks: Trans-basin diversion from Fourmile Lake
 to Fish Lake. Numerous gaps and breaks;
 summers only.

11505000 Cascade Canal near Fish Lake, OR
 POR: 6/1929 - 09/1996
 HUC: 18010-203
 Remarks: Trans-basin diversion from Fourmile Lake
 to Fish Lake. Numerous gaps and breaks;
 often summers only.

11507200 'A' Canal at Klamath Falls, OR
 POR: 4/1908 - 09/1981
 HUC: 18010206
 Remarks: Diversion to BOR Project in Lower Klamath
 Lake.

11507400 Keno Canal at Klamath Falls, OR
 POR: 10/1966 - 09/1983
 HUC: 18010206
 Remarks:

11508500 Diversion from Klamath River to Lost River near Olene, OR
 POR: 4/1931 - 09/1968
 HUC: 18010204
 Remarks:

11512920 Howard Prairie Lake Prairie nr Pinehurst, CA
 POR: 10/1960 - 09/1965
 HUC: 18010206
 Remarks: Diverts water from Howard Prairie Lake to
 Keene Creek and Greensprings Diversion
 Canal.

11515000 Keene Creek Canal near Ashland, OR
 POR: 10/1932 - 03/1940 (Winter only)
 HUC: 18010206
 Remarks: Used until 5/1960 Trans-basin diversion
 from Hyatt Reservoir to Emigrant Lake.

**Klamath Basin
[Canal Gages]**

11516100 Green Springs Power Plant Diversion near Ashland, OR
POR: 10/1960 - 09/1965
HUC: 18010206
Remarks: Used from 5/1960 to present. Trans-basin
diversion from Hyatt Reservoir to
Emigrant Lake.

14339400 S Fk Little Butte Cr Collection Canal near Pinehurst, OR
POR: 10/1960 - 09/1985; 10/1989 - 8/1996
HUC: 18010206
Remarks: Trans-basin diversion from S Fk Little
Butte Creek to Howard Prairie Reservoir.

14340400 Dead Indian Collection Canal near Pinehurst, OR
POR: 10/1960 - 09/1986; 10/1989 - 9/1992;
10/1993 - 9/1996 [Gaps: 1980 - 1996]
HUC: 18010206
Remarks: Trans-basin diversion from Dead Indian
Creek to Howard Prairie Reservoir.

Appendix B

Miscellaneous Measurements in the Klamath Basin

Klamath Basin
[Miscellaneous Measurements]

21420101 Spring Creek (34S 7E 9 SENE)
POR: 12 measurements (12/1983 - 12/1988)
Area: 21.3
Elev: 4200
HUC: 18010201
OSU Region: 18
Remarks: OWRD - WS ID# 70818.

21420103 Scott Creek (31S 7E 18 NWSE)
POR: 52 measurements (10/1929 - 5/1993)
Area: 7.14
Elev: 4790
HUC: 18010201
OSU Region: 18
Remarks: OWRD - WS ID# 21420107.

21420104 Sand Creek (31S 7E 29 SENE)
POR: 43 measurements (10/1954 - 5/1993)
Area: 28.1
Elev: 4730
HUC: 18010201
OSU Region: 18
Remarks: OWRD - WS ID# 61420103.

21420105 Larkin Creek (34S 7E 11 SW)
POR: 13 measurements (10/1960 - 9/1973)
Area: Not digitized
Elev:
HUC: 18010201
OSU Region: 18
Remarks: OWRD.

21420106 Big Springs Creek (30S 8E 22 NWSE)
POR: 7 measurements (4/1984 - 12/1988)
Area: Not Digitized
Elev:
HUC: 18010201
OSU Region: 18
Remarks: OWRD.

21420107 Scott Creek (31S 7E 18 NWSE)
POR: 50 measurements (8/1991 - 5/1997)
Area: 7.14
Elev: 4790
HUC: 18010201
OSU Region: 18
Remarks: US Forest Service.

Klamath Basin
[Miscellaneous Measurements]

21420108 Deep Creek (31S 11E 29 SWSE)
 POR: 41 measurements (4/1992 - 6/1996)
 Area: 9.65
 Elev: 4750
 HUC: 18010201
 OSU Region: 18
 Remarks: US Forest Service.

21420109 Irving Creek (30S 11E 19 SESW)
 POR: 29 measurements (11/1991 - 5/1996)
 Area: 1.02
 Elev: 4600
 HUC: 18010201
 OSU Region: 18
 Remarks: US Forest Service.

21420110 Jackson Creek (30S 11E 7 SENE)
 POR: 68 measurements (11/1991 - 4/1997)
 Area: 9.64
 Elev: 4800
 HUC: 18010201
 OSU Region: 18
 Remarks: US Forest Service.

21420111 Williamson River ab Larkin Creek (34S 7E 2 SWNW)
 POR: 49 measurements (5/1992 - 5/1997)
 Area: 1340
 Elev: 4200
 HUC: 18010201
 OSU Region: 18
 Remarks: US Forest Service.

21420112 Williamson River nr Rocky Ford (31S 10E 7 NWSW)
 POR: 43 measurements (12/1991 - 5/1996)
 Area: 190
 Elev: 4600
 HUC: 18010201
 OSU Region: 18
 Remarks: US Forest Service.

21420194 Shellock Draw (31S 9E 15 NWNE)
 POR: 31 measurements (4/1980 - 6/1989)
 Area: 34.5
 Elev: 4590
 HUC: 18010201
 OSU Region: 18
 Remarks: OWRD - WS ID# 31420104.

Klamath Basin
[Miscellaneous Measurements]

21420195 Yoss Creek (32S 9E 10 SESW)
 POR: 27 measurements (6/1980 - 10/1988)
 Area: 18.2
 Elev: 4590
 HUC: 18010201
 OSU Region: 18
 Remarks: OWRD - WS ID# 31420103.

21420196 Hog Creek (32S 8E 27 SWNW)
 POR: 29 measurements (6/1980 - 10/1988)
 Area: 52.2
 Elev: 4600
 HUC: 18010201
 OSU Region: 18
 Remarks: OWRD - WS ID# 31420101.

21420197 Jackson Creek (30S 11E 7 SWSE)
 POR: 31 measurements (4/1980 - 12/1988)
 Area: 10.6
 Elev: 4690
 HUC: 18010201
 OSU Region: 18
 Remarks: OWRD - WS ID# 21420297.

21420201 S FK Sprague River (37S 15E 8 SWSE)
 POR: 34 measurements (1/1992 - 3/1996)
 Area: 106
 Elev: 4570
 HUC: 18010202
 OSU Region: 18
 Remarks: US Forest Service.

21420202 N FK Sprague River (35S 14E 36 NENW)
 POR: 46 measurements (1/1992 - 5/1997)
 Area: 72.1
 Elev: 4740
 HUC: 18010202
 OSU Region: 18
 Remarks: US Forest Service; Measurements may be
 affected by power plant upstream.

21420203 N FK Sprague River (35S 15E 30 SESW)
 POR: 19 measurements (4/1992 - 8/1995)
 Area: 71.3
 Elev: 4800
 HUC: 18010202
 OSU Region: 18
 Remarks: US Forest Service; Measurements may be
 affected by power plant upstream.

Klamath Basin
[Miscellaneous Measurements]

21420204 Sycan River (34S 12E 31 SWSE)
 POR: 30 measurements (12/1991 - 7/1997)
 Area: 504
 Elev: 4600
 HUC: 18010202
 OSU Region: 18
 Remarks: US Forest Service.

21420206 Brownsworth Creek (37S 15E 2 SENW)
 POR: 46 measurements (12/1991 - 4/1997)
 Area: 20.4
 Elev: 4600
 HUC: 18010202
 OSU Region: 18
 Remarks: US Forest Service.

21420207 Trout Creek (35S 9E 35 NWSE)
 POR: 38 measurements (2/1992 - 3/1996)
 Area: 27.4
 Elev: 4400
 HUC: 18010202
 OSU Region: 18
 Remarks: US Forest Service.

21420208 Sprague River (35S 9E 9 NENE)
 POR: 18 measurements (5/1992 - 9/1995)
 Area: 1440
 Elev: 4300
 HUC: 18010202
 OSU Region: 18
 Remarks: US Forest Service.

21420297 McCreedy Spring (34S 8E 25 NENE)
 POR: 18 measurements (4/1920 - 9/1973)
 Area: Not Digitized
 Elev:
 HUC: 18010202
 OSU Region: 18
 Remarks: OWRD.

21420298 Coyote Creek (31S 13E 27 NWSE)
 POR: 27 measurements (3/1980 - 10/1988)
 Area: 9.96
 Elev: 5180
 HUC: 18010202
 OSU Region: 18
 Remarks: OWRD.

Klamath Basin
[Miscellaneous Measurements]

21420299 Chocktoot Creek (32S 14E 10 SWSE)
 POR: 30 measurements (3/1915 - 6/1989)
 Area: 34.0
 Elev: 5000
 HUC: 18010202
 OSU Region: 18
 Remarks: OWRD - WS ID# 31420218.

21420301 Sun Creek (32S 7.5E 32 NENE)
 POR: 11 measurements (4/1992 - 5/1993)
 Area: 13.2
 Elev: 4340
 HUC: 18010203
 OSU Region: 18
 Remarks: OWRD - WS ID# 70819.

21420302 Rock Creek (35S 6E 3 NENE)
 POR: 42 measurements (12/1964 - 5/1993)
 Area: 18.7
 Elev: 4200
 HUC: 18010203
 OSU Region: 18
 Remarks: OWRD - WS ID# 31420323.

21420303 Varney Creek (36S 6E 3 NWNE)
 POR: 51 measurements (4/1992 - 7/1996)
 Area: 4.91
 Elev: 4600
 HUC: 18010203
 OSU Region: 18
 Remarks: US Forest Service.

21420304 Rock Creek (35S 6E 3 NWSE)
 POR: 51 measurements (12/1991 - 5/1997)
 Area: 17.3
 Elev: 4330
 HUC: 18010203
 OSU Region: 18
 Remarks: US Forest Service.

21420305 Threemile Creek (34S 6E 2 LOT 22)
 POR: 51 measurements (12/1991 - 5/1997)
 Area: 9.80
 Elev: 4370
 HUC: 18010203
 OSU Region: 18
 Remarks: US Forest Service.

Klamath Basin
[Miscellaneous Measurements]

21420306 Billie Creek (36S 5E 28 SESW)
POR: 28 measurements (4/1992 - 5/1997)
Area: 3.37
Elev: 5400
HUC: 18010203
OSU Region: 18
Remarks: US Forest Service.

21420307 Fourmile Creek (36S 5E 13 NWNW)
POR: 52 measurements (4/1992 - 5/1997)
Area: 43.0
Elev: 4400
HUC: 18010203
OSU Region: 18
Remarks: US Forest Service.

21420308 Wood River (33S 7.5E 15 NWSW)
POR: 27 measurements (4/1992 - 2/1996)
Area: 79.4
Elev: 4290
HUC: 18010203
OSU Region: 18
Remarks: US Forest Service.

21420310 Sun Creek (@ National Park Boundary)
POR: 99 measurements (7/1989 - 9/1997)
Area: 10.8
Elev: 4600
HUC: 18010203
OSU Region: 18
Remarks: NPS.

21420389 Moss Creek (36S 7.5E 31)
POR: 38 measurements (4/1964 - 10/1967)
Area: Not Digitized
Elev:
HUC: 18010203
OSU Region: 18
Remarks: OWRD.

21420390 Threemile Creek (34S 6E 3)
POR: 43 measurements (9/1964 - 10/1967)
Area: 9.45
Elev: 4670
HUC: 18010203
OSU Region: 18
Remarks: OWRD.

Klamath Basin
[Miscellaneous Measurements]

21420393 Sevenmile Creek (33S 6E 36)
 POR: 31 measurements (7/1916 - 10/1954)
 Area: 53.9
 Elev: 4200
 HUC: 18010203
 OSU Region: 18
 Remarks: OWRD.

21420395 Wood River Springs (33S 7.5E 3)
 POR: 15 measurements (10/1955 - 9/1971)
 Area: Not Digitized
 Elev:
 HUC: 18010203
 OSU Region: 18
 Remarks: OWRD.

21420396 Nannie Creek (34S 6E 14)
 POR: 24 measurements (10/1954 - 10/1967)
 Area: Not Digitized
 Elev:
 HUC: 18010203
 OSU Region: 18
 Remarks: OWRD.

21420397 Cherry Creek (34S 6E 22)
 POR: 38 measurements (9/1954 - 10/1967)
 Area: Not Digitized
 Elev:
 HUC: 18010203
 OSU Region: 18
 Remarks: OWRD.

21420398 Fort Creek (33S 7.5E 26)
 POR: 50 measurements (11/1914 - 3/1989)
 Area: 2.15
 Elev: 4280
 HUC: 18010203
 OSU Region: 18
 Remarks: OWRD - WS ID# 70810.

21420399 Crooked Creek (34S 7.5E 13)
 POR: 35 measurements (8/1915 - 9/1965)
 Area: 7.90
 Elev: 4190
 HUC: 18010203
 OSU Region: 18
 Remarks: OWRD - WS ID# 70807.

Klamath Basin
[Miscellaneous Measurements]

21420601 Clover Creek (38S 15E 15 SESW)
 POR: 18 measurements (5/1993 - 11/1994)
 Area: 9.56
 Elev: 4880
 HUC: 18010203
 OSU Region: 18
 Remarks: US Forest Service.

21420602 Cow Creek (41S 1E 14 NENW)
 POR: 34 measurements (2/1992 - 4/1997)
 Area: 20.1
 Elev: 3950
 HUC: 18010203
 OSU Region: 18
 Remarks: US Forest Service.

21420114 Williamson River at Ball Dam (30S 12E 23 NWNE)
 POR: 197 measurements (2/1992- 12/1997)
 Area: NOT Digitized
 Elev: NA
 HUC: 18010201
 OSU Region: 18
 Remarks: US Forest Service - Used equation for
 sharp crested weir applied without
 calibration to two - 6' stop-log
 structures. Significant diversions.

Klamath Basin
[Miscellaneous Measurements]

EA-M1 Deep Creek (31S 12E 21 NESE)
 POR: 10 measurements (9/1995 - 8/1997)
 Area: <9.7
 Elev: >4750
 HUC: 18010201
 OSU Region: 18
 Remarks: BIA - ~1.5 miles upstream from 21420108.

EA-M2 Crooked Creek (34S 7E 12 NENW)
 POR: 10 measurements (9/1995 - 8/1997)
 Area: <6.7
 Elev: >4190
 HUC: 18010203
 OSU Region: 18
 Remarks: BIA - ~2 miles upstream from 11504200.

EA-M2A Tecumseh Spring (34S 7E 12 NENW)
 POR: 9 measurements (9/1995 - 8/1997)
 Area: >4190
 Elev: >4190
 HUC: 18010203
 OSU Region: 18
 Remarks: BIA - On Crooked Creek ~2 miles upstream
 from 11504200.

EA-M2B Fort Creek (35S 7E 26 SWSW)
 POR: 10 measurements (9/1995 - 8/1997)
 Area: <2.2
 Elev: >4280
 HUC: 18010203
 OSU Region: 18
 Remarks: BIA - ~0.5 miles upstream from 70810.

EA-M3 Fort Creek Diversion (35S 7E 26 SWSW)
 POR: 10 measurements (9/1995 - 8/1997)
 Area: >4280
 Elev: >4280
 HUC: 18010203
 OSU Region: 18
 Remarks: BIA - On Fort Creek ~0.5 miles upstream
 from 70810.

Klamath Basin
[Miscellaneous Measurements]

EA-M4 Irvine Creek (30S 12E 19 SWSW)
POR: 9 measurements (9/1995 - 8/1997)
Area: ~1.0
Elev: ~4600
HUC: 18010201
OSU Region: 18
Remarks: BIA - near 21420109.

EA-M5 Sycan River (34S 12E 12 NESW)
POR: 6 measurements (9/1995 - 10/1996)
Area: ~1430
Elev: ~4300
HUC: 18010201
OSU Region: 18
Remarks: BIA - ~0.25 miles downstream from 70805.

EA-M6 Williamson River below Spring Creek (34S 8E 9 NENE)
POR: 8 measurements (9/1995 - 10/1996)
Area: N/A
Elev: N/A
HUC: 18010201
OSU Region: 18
Remarks: BIA - PLS location is on Spring Creek.

EA-M7A Sand Creek (31S 8E 24 NWSE)
POR: 7 measurements (9/1995 - 10/1996)
Area: <52.2
Elev: <4590
HUC: 18010201
OSU Region: 18
Remarks: BIA - ~2.5miles upstream from 21420102.

EA-M7B Sand Creek Diversion (31S 8E 16 NESW)
POR: 7 measurements (9/1995 - 10/1996)
Area:
Elev:
HUC: 18010201
OSU Region: 18
Remarks: BIA - PLS location is on Scott Creek.

Appendix C

List of Watersheds With Natural Stream Flow Estimates for the Klamath Basin

Watershed ID # : 70094
WAB # : 01000000000000000000000000000000
Stream Name : KLAMATH R
Tributary to : PACIFIC OCEAN
Location : AT STATE LINE

Watershed ID # : 70803
WAB # : 01010000000000000000000000000000
Stream Name : SPENCER CR
Tributary to : KLAMATH R
Location : AT MOUTH

Watershed ID # : 31420622
WAB # : 01011000000000000000000000000000
Stream Name : SPENCER CR
Tributary to : KLAMATH R
Location : AT NF BOUNDARY

Watershed ID # : 70812
WAB # : 01020000000000000000000000000000
Stream Name : KLAMATH R
Tributary to : PACIFIC OCEAN
Location : AB JOHN C BOYLE RES

Watershed ID # : 70813
WAB # : 01021000000000000000000000000000
Stream Name : LINK R
Tributary to : KLAMATH R
Location : AB L EWAUNA

Watershed ID # : 31420301
WAB # : 01021100000000000000000000000000
Stream Name : FOURMILE CR
Tributary to : UPPER KLAMATH L
Location : AT MOUTH

Watershed ID # : 31420304
WAB # : 01021110000000000000000000000000
Stream Name : VARNEY CR
Tributary to : FOURMILE CR
Location : AT MOUTH AT GS GAGE 11505700

Watershed ID # : 31420308
WAB # : 01021111000000000000000000000000
Stream Name : VARNEY CR
Tributary to : FOURMILE CR
Location : AT NF BOUNDARY (36S 6E 21 NENW)

Watershed ID # : 31420327
WAB # : 01021120000000000000000000000000
Stream Name : FOURMILE CR
Tributary to : UPPER KLAMATH L
Location : AB VARNEY CR AT GS GAGE 11505600

Watershed ID # : 31420306
WAB # : 01021121000000000000000000000000
Stream Name : FOURMILE CR
Tributary to : UPPER KLAMATH L
Location : AT NF BOUNDARY (36S 6E 17 NENW)

Watershed ID # : 31420307
WAB # : 01021121100000000000000000000000
Stream Name : BILLIE CR
Tributary to : LAKE OF THE WOODS
Location : AT MOUTH

Watershed ID # : 31420302
WAB # : 01021200000000000000000000000000
Stream Name : ROCK CR
Tributary to : CRYSTAL CR
Location : AT MOUTH

Watershed ID # : 31420330
WAB # : 01021210000000000000000000000000
Stream Name : ROCK CR
Tributary to : CRYSTAL CR
Location : AT NF BOUNDARY (35S 6E 3 SENE)

Watershed ID # : 70798
WAB # : 01021300000000000000000000000000
Stream Name : CHERRY CR
Tributary to : FOURMILE CR
Location : AT MOUTH

Watershed ID # : 31420311
WAB # : 01021310000000000000000000000000
Stream Name : CHERRY CR
Tributary to : FOURMILE CR
Location : AT NF BOUNDARY (36S 6E 14 NWSW)

Watershed ID # : 31420303
WAB # : 01021400000000000000000000000000

Stream Name : THREEMILE CR
Tributary to : FOURMILE CR
Location : AT MOUTH

Watershed ID # : 31420321
WAB # : 01021410000000000000000000000000
Stream Name : THREEMILE CR
Tributary to : FOURMILE CR
Location : AT NF BOUNDARY (34S 6E 2 NWSE)

Watershed ID # : 70830
WAB # : 01021500000000000000000000000000
Stream Name : SEVENMILE CR
Tributary to : UPPER KLAMATH L
Location : AT MOUTH

Watershed ID # : 31420310
WAB # : 01021510000000000000000000000000
Stream Name : SEVENMILE CR
Tributary to : UPPER KLAMATH L
Location : AT NF BOUNDARY (33S 6E 14 SESE)

Watershed ID # : 70829
WAB # : 01021600000000000000000000000000
Stream Name : WOOD R
Tributary to : UPPER KLAMATH L
Location : AT MOUTH

Watershed ID # : 70810
WAB # : 01021610000000000000000000000000
Stream Name : FORT CR
Tributary to : WOOD R
Location : AT MOUTH

Watershed ID # : 70831
WAB # : 01021620000000000000000000000000
Stream Name : ANNIE CR
Tributary to : WOOD R
Location : AT MOUTH

Watershed ID # : 70819
WAB # : 01021621000000000000000000000000
Stream Name : SUN CR
Tributary to : ANNIE CR
Location : AT MOUTH

Watershed ID # : 31420314
WAB # : 01021621100000000000000000000000
Stream Name : SUN CR
Tributary to : ANNIE CR
Location : AT CRATER L NP BOUNDARY

Watershed ID # : 31420309
WAB # : 01021622000000000000000000000000
Stream Name : UNN STR
Tributary to : ANNIE CR
Location : AT CRATER L NP BOUNDARY

Watershed ID # : 31420328
WAB # : 01021623000000000000000000000000
Stream Name : ANNIE CR
Tributary to : WOOD R
Location : AT NF BOUNDARY (32S 6E 36 NENE)

Watershed ID # : 31420333
WAB # : 01021623100000000000000000000000
Stream Name : ANNIE CR
Tributary to : WOOD R
Location : AT CRATER L NP BOUNDARY

Watershed ID # : 70807
WAB # : 01021700000000000000000000000000
Stream Name : CROOKED CR
Tributary to : WOOD R
Location : AT MOUTH

Watershed ID # : 70826
WAB # : 01021800000000000000000000000000
Stream Name : WILLIAMSON R
Tributary to : UPPER KLAMATH L
Location : AT MOUTH

Watershed ID # : 31420125
WAB # : 01021810000000000000000000000000
Stream Name : WILLIAMSON R
Tributary to : UPPER KLAMATH L
Location : AT HWY 97 CROSSING

Watershed ID # : 70806
WAB # : 01021811000000000000000000000000
Stream Name : SPRAGUE R
Tributary to : WILLIAMSON R
Location : AT MOUTH

Watershed ID # : 31420268
WAB # : 01021811100000000000000000000000

Stream Name : SPRAGUE R
Tributary to : WILLIAMSON R
Location : AT CHILOQUIN DAM

Watershed ID # : 31420266
WAB # : 0102181111100000000000000000000000000000
Stream Name : SPRAGUE R
Tributary to : WILLIAMSON R
Location : AT NF BOUNDARY (34S 7E 36 NENW)

Watershed ID # : 31420231
WAB # : 0102181111110000000000000000000000000000
Stream Name : SPRAGUE R
Tributary to : WILLIAMSON R
Location : AT BRAYMILL

Watershed ID # : 31420262
WAB # : 0102181111120000000000000000000000000000
Stream Name : SPRAGUE R
Tributary to : WILLIAMSON R
Location : AT UPPER S'OCHOLIS CAN

Watershed ID # : 70805
WAB # : 0102181111121000000000000000000000000000
Stream Name : SPRAGUE R
Tributary to : WILLIAMSON R
Location : AT LONE PINE

Watershed ID # : 31420203
WAB # : 0102181111121100000000000000000000000000
Stream Name : TROUT CR
Tributary to : SPRAGUE R
Location : AT MOUTH

Watershed ID # : 31420233
WAB # : 0102181111121200000000000000000000000000
Stream Name : SPRAGUE R
Tributary to : WILLIAMSON R
Location : AB TROUT CR

Watershed ID # : 31420206
WAB # : 0102181111121210000000000000000000000000
Stream Name : WHISKY CR
Tributary to : SPRAGUE R
Location : AT MOUTH

Watershed ID # : 70823
WAB # : 0102181111121220000000000000000000000000
Stream Name : SYCAN R
Tributary to : SPRAGUE R
Location : AT MOUTH

Watershed ID # : 31420208
WAB # : 01021811111212210000000000000000
Stream Name : SNAKE CR
Tributary to : SYCAN R
Location : AT MOUTH

Watershed ID # : 31420209
WAB # : 01021811111212220000000000000000
Stream Name : BLUE CR
Tributary to : SYCAN R
Location : AT MOUTH

Watershed ID # : 31420269
WAB # : 01021811111212230000000000000000
Stream Name : SYCAN R
Tributary to : SPRAGUE R
Location : AB BLUE CR

Watershed ID # : 31420257
WAB # : 01021811111212231000000000000000
Stream Name : SYCAN R
Tributary to : SPRAGUE R
Location : AT NF BOUNDARY (34S 12E 31 SWSE)

Watershed ID # : 31420237
WAB # : 01021811111212231100000000000000
Stream Name : SYCAN R
Tributary to : SPRAGUE R
Location : AT TEDDY POWERS MEADOW

Watershed ID # : 70822
WAB # : 01021811111212231110000000000000
Stream Name : SYCAN R
Tributary to : SPRAGUE R
Location : AB UNN STR AT RM 23

Watershed ID # : 31420238
WAB # : 01021811111212231111000000000000
Stream Name : SYCAN R
Tributary to : SPRAGUE R
Location : AT TORRENT SPRING

Watershed ID # : 31420210
WAB # : 01021811111212231111100000000000

Stream Name : UNN STR
Tributary to : SYCAN R
Location : AT MOUTH

Watershed ID # : 31420211
WAB # : 01021811111212231111200000000000
Stream Name : UNN STR
Tributary to : SYCAN R
Location : AT MOUTH

Watershed ID # : 31420212
WAB # : 01021811111212231111300000000000
Stream Name : MERRITT CR
Tributary to : SYCAN R
Location : AT MOUTH

Watershed ID # : 31420239
WAB # : 01021811111212231111400000000000
Stream Name : SYCAN R
Tributary to : SPRAGUE R
Location : AB MERRIT CR

Watershed ID # : 31420213
WAB # : 01021811111212231111410000000000
Stream Name : UNN STR
Tributary to : SYCAN R
Location : AT MOUTH

Watershed ID # : 70821
WAB # : 01021811111212231111420000000000
Stream Name : SYCAN R
Tributary to : SPRAGUE R
Location : AT SYCAN MARSH OUTLET

Watershed ID # : 31420214
WAB # : 01021811111212231111421000000000
Stream Name : DRY CR
Tributary to : SYCAN R
Location : AT MOUTH

Watershed ID # : 31420215
WAB # : 01021811111212231111422000000000
Stream Name : LONG CR
Tributary to : SYCAN R
Location : AT MOUTH

Watershed ID # : 31420241
WAB # : 01021811111212231111422100000000
Stream Name : CALAHAN CR
Tributary to : SYCAN R
Location : AT MOUTH

Watershed ID # : 31420253
WAB # : 01021811111212231111422200000000
Stream Name : LONG CR
Tributary to : SYCAN R
Location : AT NF BOUNDARY (31S 12E 5 SWSE)

Watershed ID # : 31420227
WAB # : 01021811111212231111422210000000
Stream Name : LONG CR
Tributary to : SYCAN R
Location : AT NF BOUNDARY (30S 12E 32 SESE)

Watershed ID # : 31420216
WAB # : 01021811111212231111423000000000
Stream Name : COYOTE CR
Tributary to : SYCAN R
Location : AT MOUTH

Watershed ID # : 31420252
WAB # : 01021811111212231111423100000000
Stream Name : COYOTE CR
Tributary to : SYCAN R
Location : AT NF BOUNDARY (31S 13E 27 SWNE)

Watershed ID # : 31420217
WAB # : 01021811111212231111424000000000
Stream Name : SHAKE CR
Tributary to : SYCAN R
Location : AT MOUTH

Watershed ID # : 31420218
WAB # : 01021811111212231111425000000000
Stream Name : CHOCKTOOT CR
Tributary to : SYCAN R
Location : AT MOUTH

Watershed ID # : 31420219
WAB # : 01021811111212231111426000000000
Stream Name : UNN STR
Tributary to : SYCAN R
Location : AT MOUTH

Watershed ID # : 31420251
WAB # : 01021811111212231111427000000000

Stream Name : SYCAN R
Tributary to : SPRAGUE R
Location : AB SYCAN MARSH

Watershed ID # : 31420228
 WAB # : 01021811111212231111427100000000
 Stream Name : SYCAN R
 Tributary to : SPRAGUE R
 Location : AT NF BOUNDARY (33S 14E 24 SWSW)

Watershed ID # : 70814
 WAB # : 01021811111212231111427110000000
 Stream Name : LONG CR
 Tributary to : SYCAN R
 Location : AT MOUTH

Watershed ID # : 31420240
 WAB # : 01021811111212231111427120000000
 Stream Name : SYCAN R
 Tributary to : SPRAGUE R
 Location : AB LONG CR

Watershed ID # : 70817
 WAB # : 01021811111212231111427121000000
 Stream Name : PARADISE CR
 Tributary to : SYCAN CR
 Location : AT MOUTH

Watershed ID # : 70820
 WAB # : 01021811111212231111427122000000
 Stream Name : SYCAN R
 Tributary to : SPRAGUE R
 Location : AB PARADISE CR

Watershed ID # : 70804
 WAB # : 01021811111212300000000000000000
 Stream Name : SPRAGUE R
 Tributary to : WILLIAMSON R
 Location : AB SYCAN R

Watershed ID # : 31420221
 WAB # : 01021811111212310000000000000000
 Stream Name : BROWN CR
 Tributary to : SPRAGUE R
 Location : AT MOUTH

Watershed ID # : 31420250
 WAB # : 01021811111212320000000000000000
 Stream Name : SPRAGUE R
 Tributary to : WILLIAMSON R
 Location : AT KIRK SPRING AT GS GAGE 11497500

Watershed ID # : 70816
WAB # : 01021811111212321000000000000000
Stream Name : N FK SPRAGUE R
Tributary to : SPRAGUE R
Location : AT MOUTH

Watershed ID # : 31420222
WAB # : 01021811111212321100000000000000
Stream Name : FIVEMILE CR
Tributary to : N FK SPRAGUE R
Location : AT MOUTH

Watershed ID # : 31420248
WAB # : 01021811111212321110000000000000
Stream Name : FIVEMILE CR
Tributary to : N FK SPRAGUE R
Location : AT NF BOUNDARY (35S 13E 24 SWSE)

Watershed ID # : 31420223
WAB # : 01021811111212321200000000000000
Stream Name : MERYL CR
Tributary to : N FK SPRAGUE R
Location : AT MOUTH

Watershed ID # : 31420234
WAB # : 01021811111212321300000000000000
Stream Name : N FK SPRAGUE R
Tributary to : SPRAGUE R
Location : AT BALLEY FLATS

Watershed ID # : 31420246
WAB # : 01021811111212321310000000000000
Stream Name : N FK SPRAGUE R
Tributary to : SPRAGUE R
Location : AT NF BOUNDARY (35S 15E 30 SWSW)

Watershed ID # : 70815
WAB # : 01021811111212321311000000000000
Stream Name : N FK SPRAGUE R
Tributary to : SPRAGUE R
Location : AB SHEEPY CR

Watershed ID # : 31420229
WAB # : 01021811111212321311100000000000

Stream Name : N FK SPRAGUE R
Tributary to : SPRAGUE R
Location : AT NF BOUNDARY (35S 15E 11 NESW)

Watershed ID # : 31420267
WAB # : 01021811111212321311110000000000
Stream Name : N FK SPRAGUE R
Tributary to : SPRAGUE R
Location : AT NF BOUNDARY (35S 15E 11 SENE)

Watershed ID # : 70802
WAB # : 01021811111212322000000000000000
Stream Name : S FK SPRAGUE R
Tributary to : SPRAGUE R
Location : AT MOUTH

Watershed ID # : 31420265
WAB # : 01021811111212322100000000000000
Stream Name : DEMING CR
Tributary to : S FK SPRAGUE R
Location : AT MOUTH

Watershed ID # : 70808
WAB # : 01021811111212322110000000000000
Stream Name : DEMING CR
Tributary to : S FK SPRAGUE R
Location : AT NF BOUNDARY (36S 15E 9 SESE)

Watershed ID # : 31420264
WAB # : 01021811111212322111000000000000
Stream Name : DEMING CR
Tributary to : S FK SPRAGUE R
Location : AT NF BNDRY (36S 15E 9 SESE)

Watershed ID # : 70809
WAB # : 01021811111212322200000000000000
Stream Name : FISHHOLE CR
Tributary to : S FK SPRAGUE R
Location : AT MOUTH

Watershed ID # : 31420230
WAB # : 01021811111212322210000000000000
Stream Name : FISHHOLE CR
Tributary to : S FK SPRAGUE R
Location : AT NF BOUNDARY (37S 15E 32 SENW)

Watershed ID # : 31420235
WAB # : 01021811111212322300000000000000
Stream Name : S FK SPRAGUE R
Tributary to : SPRAGUE R
Location : AB FISHHOLE CR

Watershed ID # : 31420224
WAB # : 01021811111212322310000000000000
Stream Name : PARADISE CR
Tributary to : S FK SPRAGUE R
Location : AT MOUTH

Watershed ID # : 31420225
WAB # : 01021811111212322320000000000000
Stream Name : ISH TISH CR
Tributary to : S FK SPRAGUE R
Location : AT MOUTH

Watershed ID # : 70801
WAB # : 01021811111212322330000000000000
Stream Name : S FK SPRAGUE R
Tributary to : SPRAGUE R
Location : AB ISH TISH CR

Watershed ID # : 70832
WAB # : 01021811111212322331000000000000
Stream Name : BROWNSWORTH CR
Tributary to : S FK SPRAGUE R
Location : AT MOUTH

Watershed ID # : 31420242
WAB # : 01021811111212322332000000000000
Stream Name : S FK SPRAGUE R
Tributary to : SPRAGUE R
Location : AB BROWNSWORTH CR

Watershed ID # : 31420226
WAB # : 01021811111212322332100000000000
Stream Name : WHITWORTH CR
Tributary to : S FK SPRAGUE R
Location : AT MOUTH

Watershed ID # : 70799
WAB # : 01021811111212322332200000000000
Stream Name : S FK SPRAGUE R
Tributary to : SPRAGUE R
Location : AB WHITWORTH CR

Watershed ID # : 70800
WAB # : 01021811111212322332210000000000

Stream Name : S FK SPRAGUE R
Tributary to : SPRAGUE R
Location : AB CAMP CR

Watershed ID # : 70827
WAB # : 01021812000000000000000000000000
Stream Name : WILLIAMSON R
Tributary to : UPPER KLAMATH L
Location : AB SPRAGUE R

Watershed ID # : 70818
WAB # : 01021812100000000000000000000000
Stream Name : SPRING CR
Tributary to : WILLIAMSON R
Location : AT MOUTH

Watershed ID # : 70825
WAB # : 01021812200000000000000000000000
Stream Name : WILLIAMSON R
Tributary to : UPPER KLAMATH L
Location : AB SPRING CR

Watershed ID # : 31420114
WAB # : 01021812210000000000000000000000
Stream Name : WILLIAMSON R
Tributary to : UPPER KLAMATH L
Location : AT NF BOUNDARY (34S 7E 3 SESE)

Watershed ID # : 31420129
WAB # : 01021812211000000000000000000000
Stream Name : LARKIN CR
Tributary to : WILLIAMSON R
Location : AT MOUTH

Watershed ID # : 31420148
WAB # : 01021812212000000000000000000000
Stream Name : WILLIAMSON R
Tributary to : UPPER KLAMATH L
Location : AT NF BOUNDARY (33S 7E 35 NESE)

Watershed ID # : 31420126
WAB # : 01021812212100000000000000000000
Stream Name : WILLIAMSON R
Tributary to : UPPER KLAMATH L
Location : AT LOWER END KIRK CAN

Watershed ID # : 70828
WAB # : 01021812212110000000000000000000
Stream Name : WILLIAMSON R
Tributary to : UPPER KLAMATH L
Location : AT KIRK

Watershed ID # : 31420101
WAB # : 01021812212111000000000000000000
Stream Name : HOG CR
Tributary to : WILLIAMSON R
Location : AT MOUTH

Watershed ID # : 31420102
WAB # : 01021812212112000000000000000000
Stream Name : SAND CR
Tributary to : WILLIAMSON R
Location : AT MOUTH

Watershed ID # : 31420145
WAB # : 01021812212112100000000000000000
Stream Name : SAND CR
Tributary to : WILLIAMSON R
Location : AT NF BOUNDARY (31S 7E 29 NESW)

Watershed ID # : 31420122
WAB # : 01021812212112110000000000000000
Stream Name : SAND CR
Tributary to : WILLIAMSON R
Location : AT NF BOUNDARY (31S 7E 31 SWSE)

Watershed ID # : 31420144
WAB # : 01021812212112111000000000000000
Stream Name : SAND CR
Tributary to : WILLIAMSON R
Location : AT CRATER L NP BOUNDARY

Watershed ID # : 31420105
WAB # : 01021812212113000000000000000000
Stream Name : SCOTT CR
Tributary to : WILLIAMSON R
Location : AT MOUTH

Watershed ID # : 31420143
WAB # : 01021812212113100000000000000000
Stream Name : SCOTT CR
Tributary to : WILLIAMSON R
Location : AT NF BOUNDARY (31S 7E 18 SWNE)

Watershed ID # : 31420120
WAB # : 01021812212113110000000000000000

Stream Name : SCOTT CR
Tributary to : WILLIAMSON R
Location : AT CRATER L NP BOUNDARY

Watershed ID # : 31420103
 WAB # : 01021812212114000000000000000000
 Stream Name : YOSS CR
 Tributary to : WILLIAMSON R
 Location : AT MOUTH

Watershed ID # : 31420106
 WAB # : 01021812212115000000000000000000
 Stream Name : BIG SPRINGS CR
 Tributary to : WILLIAMSON R
 Location : AT MOUTH

Watershed ID # : 31420119
 WAB # : 01021812212115100000000000000000
 Stream Name : POTHOLE CR
 Tributary to : ANTELOPE DESERT
 Location : AT CRATER L NP BOUNDARY

Watershed ID # : 31420117
 WAB # : 01021812212115200000000000000000
 Stream Name : BEAR CR
 Tributary to : ANTELOPE DESERT
 Location : AT CRATER L NP BOUNDARY

Watershed ID # : 31420124
 WAB # : 01021812212115300000000000000000
 Stream Name : SILENT CR
 Tributary to : ANTELOPE DESERT
 Location : AT CRATER L NP BOUNDARY

Watershed ID # : 31420116
 WAB # : 01021812212115400000000000000000
 Stream Name : DESERT CR
 Tributary to : ANTELOPE DESERT
 Location : AT CRATER L NP BOUNDARY

Watershed ID # : 31420123
 WAB # : 01021812212115500000000000000000
 Stream Name : UNN STR
 Tributary to : ANTELOPE DESERT
 Location : AT CRATER L NP BOUNDARY

Watershed ID # : 31420140
 WAB # : 01021812212115600000000000000000
 Stream Name : COTTONWOOD CR
 Tributary to : ANTELOPE DESERT
 Location : AT NF BOUNDARY (28S 6E 36 SENE)

Watershed ID # : 31420139
WAB # : 01021812212115700000000000000000
Stream Name : SINK CR
Tributary to : ANTELOPE DESERT
Location : AT NF BOUNDARY (28S 6E 13 NENE)

Watershed ID # : 31420113
WAB # : 01021812212115800000000000000000
Stream Name : MILLER CR
Tributary to : ANTELOPE DESERT
Location : AT NF BOUNDARY (27S 7E 32 SENE)

Watershed ID # : 31420104
WAB # : 01021812212116000000000000000000
Stream Name : SKELLOCK DRAW
Tributary to : WILLIAMSON R
Location : AT MOUTH

Watershed ID # : 31420107
WAB # : 01021812212117000000000000000000
Stream Name : WILLIAMSON R
Tributary to : UPPER KLAMATH L
Location : AT MILITARY CROSSING

Watershed ID # : 31420108
WAB # : 01021812212117100000000000000000
Stream Name : GOD CR
Tributary to : WILLIAMSON R
Location : AT MOUTH

Watershed ID # : 31420109
WAB # : 01021812212117200000000000000000
Stream Name : MOSQUITO CR
Tributary to : WILLIAMSON R
Location : AT MOUTH

Watershed ID # : 31420127
WAB # : 01021812212117300000000000000000
Stream Name : WILLIAMSON R
Tributary to : UPPER KLAMATH L
Location : AB KLAMATH MARSH

Watershed ID # : 31420110
WAB # : 01021812212117310000000000000000

Stream Name : JACK CR
Tributary to : WILLIAMSON R
Location : AT MOUTH

Watershed ID # : 31420111
WAB # : 01021812212117320000000000000000
Stream Name : ROCK CR
Tributary to : WILLIAMSON R
Location : AT MOUTH

Watershed ID # : 31420112
WAB # : 01021812212117330000000000000000
Stream Name : JACKSON CR
Tributary to : WILLIAMSON R
Location : AT MOUTH

Watershed ID # : 31420130
WAB # : 01021812212117331000000000000000
Stream Name : IRVING CR
Tributary to : JACKSON CR
Location : AT MOUTH

Watershed ID # : 31420136
WAB # : 01021812212117332000000000000000
Stream Name : JACKSON CR
Tributary to : WILLIAMSON R
Location : AT NF BOUNDARY (30S 11E 7 SENE)

Watershed ID # : 31420142
WAB # : 01021812212117340000000000000000
Stream Name : WILLIAMSON R
Tributary to : UPPER KLAMATH L
Location : AT (31S 10E 12 NWNE)

Watershed ID # : 70824
WAB # : 01021812212117341000000000000000
Stream Name : WILLIAMSON R
Tributary to : UPPER KLAMATH L
Location : AT ROCKY FORD

Watershed ID # : 31420131
WAB # : 01021812212117341100000000000000
Stream Name : DEEP CR
Tributary to : WILLIAMSON R
Location : AT MOUTH

Watershed ID # : 31420132
WAB # : 01021812212117341110000000000000
Stream Name : DEEP CR
Tributary to : WILLIAMSON R
Location : AT NF BOUNDARY (31S 11E 29 SESW)

Watershed ID # : 31420115
WAB # : 01021812212117341200000000000000
Stream Name : WILLIAMSON R
Tributary to : UPPER KLAMATH L
Location : AB DEEP CR

Watershed ID # : 31420128
WAB # : 01021812212117341210000000000000
Stream Name : WILLIAMSON R
Tributary to : UPPER KLAMATH L
Location : AT WICKIUP SPRING

Watershed ID # : 31420602
WAB # : 02000000000000000000000000000000
Stream Name : JENNY CR
Tributary to : KLAMATH R
Location : AT MOUTH

Watershed ID # : 31420603
WAB # : 02010000000000000000000000000000
Stream Name : KEENE CR
Tributary to : JENNY CR
Location : AT MOUTH

Watershed ID # : 31420619
WAB # : 02011000000000000000000000000000
Stream Name : KEENE CR
Tributary to : JENNY CR
Location : AT KEENE CR DAM

Watershed ID # : 70811
WAB # : 02020000000000000000000000000000
Stream Name : JENNY CR
Tributary to : KLAMATH R
Location : AB KEENE CR

Watershed ID # : 31420604
WAB # : 02021000000000000000000000000000
Stream Name : JOHNSON CR
Tributary to : JENNY CR
Location : AT MOUTH

Watershed ID # : 31420605
WAB # : 02022000000000000000000000000000

Stream Name : JENNY CR
Tributary to : KLAMATH R
Location : AB JOHNSON CR

Watershed ID # : 31420601
WAB # : 03000000000000000000000000000000
Stream Name : HAYDEN CR
Tributary to : KLAMATH R
Location : AT STATE LINE

Watershed ID # : 31420606
WAB # : 04000000000000000000000000000000
Stream Name : LONG PRAIRIE CR
Tributary to : KLAMATH R
Location : AT STATE LINE

Watershed ID # : 31420607
WAB # : 05000000000000000000000000000000
Stream Name : FALL CR
Tributary to : KLAMATH R
Location : AT STATE LINE

Watershed ID # : 31420608
WAB # : 06000000000000000000000000000000
Stream Name : SKOOKUM CR
Tributary to : JENNY CR
Location : AT STATE LINE

Watershed ID # : 31420609
WAB # : 07000000000000000000000000000000
Stream Name : SALT CR
Tributary to : CAMP CR
Location : AT STATE LINE

Watershed ID # : 31420610
WAB # : 08000000000000000000000000000000
Stream Name : CAMP CR
Tributary to : KLAMATH R
Location : AT STATE LINE

Watershed ID # : 31420611
WAB # : 09000000000000000000000000000000
Stream Name : SCOTCH CR
Tributary to : CAMP CR
Location : AT STATE LINE

Watershed ID # : 31420612
WAB # : 11000000000000000000000000000000
Stream Name : SLIDE CR
Tributary to : SCOTCH CR
Location : AT STATE LINE

Watershed ID # : 31420613
WAB # : 12000000000000000000000000000000
Stream Name : E FK COTTONWOOD CR
Tributary to : COTTONWOOD CR
Location : AT STATE LINE

Watershed ID # : 31420614
WAB # : 13000000000000000000000000000000
Stream Name : COTTONWOOD CR
Tributary to : KLAMATH R
Location : AT STATE LINE

Watershed ID # : 31420615
WAB # : 14000000000000000000000000000000
Stream Name : GROUSE CR
Tributary to : BEAVER CR
Location : AT STATE LINE

Watershed ID # : 31420616
WAB # : 15000000000000000000000000000000
Stream Name : COW CR
Tributary to : BEAVER CR
Location : AT STATE LINE

Watershed ID # : 31420630
WAB # : 15010000000000000000000000000000
Stream Name : COW CR
Tributary to : BEAVER CR
Location : AT NF BOUNDARY (41S 1W 11 SESW)

Appendix D

Natural Stream Flow Estimates for the Klamath Basin

NATURAL STREAMFLOW FOR SELECTED WATERSHEDS

Basin: KLAMATH
Time: 08:00

Exceedance Level: 50
Date: 05/15/2001

Stream: KLAMATH R > PACIFIC OCEAN - AT STATE LINE
WAB ID #: 70094 # WABS ABOVE: 2
Streams Above: 1 SPENCER CR > KLAMATH R - AT MOUTH
2 KLAMATH R > PACIFIC OCEAN - AB JOHN C BOYLE RES

MO	WAB ID # Flow	70094		Sum Upstream WABS			Flow	Difference		Difference With 50% Flow
		CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	
1	2210.00	.55	7.5	2010.00	.51	7.5	204.00	2.00	7.9	.00
2	2420.00	.60	8.2	2210.00	.56	8.2	213.00	2.10	8.3	.00
3	2860.00	.71	9.7	2620.00	.67	9.8	237.00	2.33	9.2	.00
4	4020.00	.99	13.7	3780.00	.96	14.1	239.00	2.35	9.3	.00
5	3840.00	.95	13.1	3610.00	.92	13.5	226.00	2.22	8.8	.00
6	3030.00	.75	10.3	2810.00	.71	10.5	216.00	2.13	8.4	.00
7	2210.00	.55	7.5	1990.00	.51	7.4	216.00	2.13	8.4	.00
8	1670.00	.41	5.7	1460.00	.37	5.4	212.00	2.08	8.2	.00
9	1420.00	.35	4.8	1220.00	.31	4.6	201.00	1.98	7.8	.00
10	1690.00	.42	5.8	1490.00	.38	5.6	200.00	1.97	7.8	.00
11	1840.00	.46	6.3	1640.00	.42	6.1	199.00	1.96	7.8	.00
12	2180.00	.54	7.4	1980.00	.50	7.4	205.00	2.02	8.0	.00

Area	4041.00	3939.00	101.60
Relief	6430.00	-9999.00	-9999.00
Slope	6.61	6.47	11.90
Aspect	176.00	176.00	188.00
Elevation	5100.00	5120.00	4400.00
MAP	27.00	27.00	24.50
Jan Prec	3.56	3.57	3.31
Jul Prec	.56	.56	.41
Jul Min T	42.10	42.00	46.40
Jan Max T	38.50	38.50	39.00
Soil Perm	7.28	7.43	1.41
Yield	30.54	28.52	116.92

Stream: SPENCER CR > KLAMATH R - AT MOUTH
WAB ID #: 70803 # WABS ABOVE: 1
Streams Above: 1 SPENCER CR > KLAMATH R - AT NF BOUNDARY

MO	WAB ID #	70803		Sum Upstream WABs			Flow	Difference		Difference With 50% Flow
		Flow	CSM % Ann	Flow	CSM % Ann	Flow		CSM % Ann		
1	26.30	.31	4.8	20.00	.57	4.5	6.30	.13	5.6	.00
2	46.60	.55	8.4	31.70	.90	7.2	14.90	.30	13.2	.00
3	63.50	.75	11.5	35.30	1.00	8.0	28.20	.57	25.1	.00
4	91.00	1.07	16.4	60.00	1.70	13.6	31.00	.63	27.6	.00
5	84.50	1.00	15.3	69.50	1.96	15.8	15.00	.30	13.3	.00
6	53.90	.64	9.7	49.10	1.39	11.1	4.80	.10	4.3	.00
7	33.80	.40	6.1	31.40	.89	7.1	2.40	.05	2.1	.00
8	28.40	.34	5.1	27.00	.76	6.1	1.40	.03	1.2	.00
9	29.30	.35	5.3	28.00	.79	6.3	1.30	.03	1.2	.00
10	30.30	.36	5.5	28.90	.82	6.6	1.40	.03	1.2	.00
11	30.60	.36	5.5	28.90	.82	6.6	1.70	.03	1.5	.00
12	35.20	.42	6.4	31.10	.88	7.1	4.10	.08	3.6	.00
Area	84.67			35.37			49.30			
Relief	4380.00			2800.00			-9999.00			
Slope	9.58			8.81			10.10			
Aspect	168.00			162.00			173.00			
Elevation	5270.00			5540.00			5080.00			
MAP	39.90			47.80			34.30			
Jan Prec	5.13			5.79			4.66			
Jul Prec	.74			1.01			.55			
Jul Min T	45.00			44.40			45.40			
Jan Max T	37.60			37.50			37.70			
Soil Perm	1.44			1.53			1.38			
Yield	18.53			29.53			7.53			

Stream: SPENCER CR > KLAMATH R - AT NF BOUNDARY
 WAB ID #: 31420622 # WABS ABOVE: 0

MO	WAB ID # 31420622			Sum Upstream WABS			Flow	Difference		Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	
1	20.00	.57	4.5	.00	.00	.0	.00	.00	.0	.00
2	31.70	.90	7.2	.00	.00	.0	.00	.00	.0	.00
3	35.30	1.00	8.0	.00	.00	.0	.00	.00	.0	.00
4	60.00	1.70	13.6	.00	.00	.0	.00	.00	.0	.00
5	69.50	1.96	15.8	.00	.00	.0	.00	.00	.0	.00
6	49.10	1.39	11.1	.00	.00	.0	.00	.00	.0	.00
7	31.40	.89	7.1	.00	.00	.0	.00	.00	.0	.00
8	27.00	.76	6.1	.00	.00	.0	.00	.00	.0	.00
9	28.00	.79	6.3	.00	.00	.0	.00	.00	.0	.00
10	28.90	.82	6.6	.00	.00	.0	.00	.00	.0	.00
11	28.90	.82	6.6	.00	.00	.0	.00	.00	.0	.00
12	31.10	.88	7.1	.00	.00	.0	.00	.00	.0	.00
Area	35.37			.00				.00		
Relief	2800.00			.00				.00		
Slope	8.81			.00				.00		
Aspect	162.00			.00				.00		
Elevation	5540.00			.00				.00		
MAP	47.80			.00				.00		
Jan Prec	5.79			.00				.00		
Jul Prec	1.01			.00				.00		
Jul Min T	44.40			.00				.00		
Jan Max T	37.50			.00				.00		
Soil Perm	1.53			.00				.00		
Yield	29.53			.00				.00		

Stream: KLAMATH R > PACIFIC OCEAN - AB JOHN C BOYLE RES
WAB ID #: 70812 # WABS ABOVE: 1
Streams Above: 1 LINK R > KLAMATH R - AB L EWAUNA

MO	WAB ID #	70812		Sum Upstream WABs			Difference			Difference With 50% Flow
		Flow	CSM % Ann	Flow	CSM % Ann	Flow	CSM % Ann	CSM % Ann		
1	1980.00	.51	7.5	1970.00	.52	7.6	10.00	.12	6.3	.00
2	2160.00	.56	8.2	2140.00	.57	8.2	20.00	.24	12.5	.00
3	2560.00	.66	9.7	2500.00	.66	9.6	60.00	.72	37.5	.00
4	3690.00	.96	14.0	3630.00	.96	13.9	60.00	.72	37.5	.00
5	3530.00	.92	13.4	3520.00	.93	13.5	10.00	.12	6.3	.00
6	2760.00	.72	10.5	2760.00	.73	10.6	.00	.00	.0	.00
7	1960.00	.51	7.5	1960.00	.52	7.5	.00	.00	.0	.00
8	1430.00	.37	5.4	1430.00	.38	5.5	.00	.00	.0	.00
9	1190.00	.31	4.5	1190.00	.32	4.6	.00	.00	.0	.00
10	1460.00	.38	5.6	1460.00	.39	5.6	.00	.00	.0	.00
11	1610.00	.42	6.1	1610.00	.43	6.2	.00	.00	.0	.00
12	1940.00	.50	7.4	1940.00	.51	7.4	.00	.00	.0	.00
Area	3854.00			3771.00				83.02		
Relief	5240.00			5110.00				-9999.00		
Slope	6.41			6.43				5.32		
Aspect	176.00			176.00				167.00		
Elevation	5120.00			5130.00				4300.00		
MAP	26.70			26.90				20.00		
Jan Prec	3.53			3.55				2.71		
Jul Prec	.56			.56				.38		
Jul Min T	41.90			41.80				47.40		
Jan Max T	38.50			38.50				38.60		
Soil Perm	7.56			7.69				1.61		
Yield	28.85			29.14				10.90		

Stream: LINK R > KLAMATH R - AB L EWAUNA
WAB ID #: 70813 # WABS ABOVE: 8
Streams Above: 1 FOURMILE CR > UPPER KLAMATH L - AT MOUTH
2 ROCK CR > CRYSTAL CR - AT MOUTH
3 CHERRY CR > FOURMILE CR - AT MOUTH
4 THREEMILE CR > FOURMILE CR - AT MOUTH
5 SEVENMILE CR > UPPER KLAMATH L - AT MOUTH
6 WOOD R > UPPER KLAMATH L - AT MOUTH
7 CROOKED CR > WOOD R - AT MOUTH
8 WILLIAMSON R > UPPER KLAMATH L - AT MOUTH

MO	WAB ID # Flow	70813		Sum Upstream WABS			Flow	Difference		Difference With 50% Flow
		CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	
1	1970.00	.52	7.6	1640.00	.49	7.4	335.00	.81	8.6	.00
2	2140.00	.57	8.2	1950.00	.58	8.8	191.00	.46	4.9	.00
3	2500.00	.66	9.6	2330.00	.69	10.5	169.00	.41	4.3	.00
4	3630.00	.96	13.9	2910.00	.87	13.1	718.00	1.73	18.3	.00
5	3520.00	.93	13.5	2890.00	.86	13.0	635.00	1.53	16.2	.00
6	2760.00	.73	10.6	2090.00	.62	9.4	674.00	1.62	17.2	.00
7	1960.00	.52	7.5	1380.00	.41	6.2	585.00	1.41	14.9	.00
8	1430.00	.38	5.5	1230.00	.37	5.5	201.00	.48	5.2	.00
9*	1190.00	.32	4.6	1250.00	.37	5.6	-56.40	-.14	-1.4	.00
10	1460.00	.39	5.6	1340.00	.40	6.1	117.00	.28	3.0	.00
11	1610.00	.43	6.2	1530.00	.46	6.9	80.30	.19	2.0	.00
12	1940.00	.51	7.4	1680.00	.50	7.6	264.00	.63	6.7	.00
Area	3771.00			3356.00			415.60			
Relief	5110.00			-9999.00			-9999.00			
Slope	6.43			6.35			7.11			
Aspect	176.00			177.00			170.00			
Elevation	5130.00			5210.00			4490.00			
MAP	26.90			27.10			25.00			
Jan Prec	3.55			3.52			3.78			
Jul Prec	.56			.59			.34			
Jul Min T	41.80			41.60			43.70			
Jan Max T	38.50			38.50			38.80			
Soil Perm	7.69			8.42			1.80			
Yield	29.14			27.60			42.66			

Stream: FOURMILE CR > UPPER KLAMATH L - AT MOUTH

WAB ID #: 31420301 # WABS ABOVE: 2

Streams Above: 1 VARNEY CR > FOURMILE CR - AT MOUTH AT GS GAGE 11505700

2 FOURMILE CR > UPPER KLAMATH L - AB VARNEY CR AT GS GAGE 115056

MO	WAB ID # 31420301			Sum Upstream WABs			Difference			Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann	Flow	CSM	% Ann	
1	4.33	.04	1.7	3.08	.03	1.3	1.25	.25	9.8	.00
2	10.30	.09	4.1	8.70	.08	3.7	1.60	.32	12.5	.00
3	16.80	.14	6.7	15.40	.14	6.5	1.43	.28	11.2	.00
4	27.80	.24	11.1	25.80	.23	10.9	1.97	.39	15.4	.00
5	94.30	.80	37.8	90.40	.81	38.2	3.89	.77	30.5	.00
6	83.30	.71	33.4	81.90	.73	34.6	1.40	.28	11.0	.00
7	2.54	.02	1.0	2.44	.02	1.0	.10	.02	.8	.00
8	.90	.01	.4	.88	.01	.4	.02	.00	.2	.00
9	.55	.00	.2	.54	.00	.2	.01	.00	.1	.00
10	1.12	.01	.4	1.10	.01	.5	.02	.00	.2	.00
11	2.33	.02	.9	2.21	.02	.9	.12	.02	.9	.00
12	5.41	.05	2.2	4.45	.04	1.9	.96	.19	7.5	.00
Area	117.20			112.10			5.05			
Relief	5030.00			-9999.00			-9999.00			
Slope	13.00			12.80			16.20			
Aspect	173.00			174.00			162.00			
Elevation	5630.00			5640.00			5360.00			
MAP	49.80			50.50			34.80			
Jan Prec	6.09			6.14			4.99			
Jul Prec	.94			.96			.46			
Jul Min T	44.20			44.20			44.80			
Jan Max T	37.20			37.10			37.90			
Soil Perm	2.08			2.07			2.29			
Yield	4.84			4.74			8.24			

Stream: VARNEY CR > FOURMILE CR - AT MOUTH AT GS GAGE 11505700
WAB ID #: 31420304 # WABS ABOVE: 1
Streams Above: 1 VARNEY CR > FOURMILE CR - AT NF BOUNDARY (36S 6E 21 NENW)

MO	WAB ID # 31420304			Sum Upstream WABs			Flow	Difference		Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	
1	.01	.00	.1	.01	.00	.1	.00	.00	.0	.00
2	.01	.00	.1	.00	.00	.0	.01	.00	.2	.00
3	1.17	.07	8.2	.46	.07	5.7	.71	.07	11.5	.00
4	2.33	.14	16.4	1.17	.18	14.6	1.16	.11	18.7	.00
5	6.11	.36	42.9	4.05	.61	50.4	2.06	.20	33.3	.00
6	2.10	.12	14.8	1.48	.22	18.4	.62	.06	10.0	.00
7	1.09	.06	7.7	.44	.07	5.5	.65	.06	10.5	.00
8	.56	.03	3.9	.17	.03	2.1	.39	.04	6.3	.00
9	.47	.03	3.3	.15	.02	1.9	.32	.03	5.2	.00
10	.35	.02	2.5	.09	.01	1.1	.26	.02	4.2	.00
11	.01	.00	.1	.01	.00	.1	.00	.00	.0	.00
12	.02	.00	.1	.01	.00	.1	.01	.00	.2	.00
Area	17.08			6.62			10.46			
Relief	3680.00			3580.00			-9999.00			
Slope	15.50			20.80			12.10			
Aspect	195.00			190.00			197.00			
Elevation	5380.00			6040.00			4960.00			
MAP	42.40			50.30			37.40			
Jan Prec	5.86			6.61			5.39			
Jul Prec	.63			.72			.57			
Jul Min T	44.30			43.60			44.70			
Jan Max T	36.80			36.60			37.00			
Soil Perm	1.52			1.52			1.52			
Yield	2.22			2.73			1.79			

Stream: VARNEY CR > FOURMILE CR - AT NF BOUNDARY (36S 6E 21 NENW)
 WAB ID #: 31420308 # WABS ABOVE: 0

MO	WAB ID # 31420308			Sum Upstream WABs			Difference			Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann	Flow	CSM	% Ann	
1	.01	.00	.1	.00	.00	.0	.00	.00	.0	.00
2	.00	.00	.0	.00	.00	.0	.00	.00	.0	.00
3	.46	.07	5.7	.00	.00	.0	.00	.00	.0	.00
4	1.17	.18	14.6	.00	.00	.0	.00	.00	.0	.00
5	4.05	.61	50.4	.00	.00	.0	.00	.00	.0	.00

Stream: FOURMILE CR > UPPER KLAMATH L - AB VARNEY CR AT GS GAGE 11505600
WAB ID #: 31420327 # WABS ABOVE: 1
Streams Above: 1 FOURMILE CR > UPPER KLAMATH L - AT NF BOUNDARY (36S 6E 17 NENW)

MO	WAB ID # 31420327			Sum Upstream WABS			Flow	Difference		Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	
1*	3.07	.03	1.4	4.25	.05	1.9	-1.18	-.24	-33.9	.00
2	8.69	.09	3.9	8.66	.10	4.0	.03	.01	.9	.00
3	14.20	.15	6.4	14.00	.16	6.4	.20	.04	5.8	.00
4	23.50	.25	10.6	23.40	.26	10.7	.10	.02	2.9	.00
5	84.30	.89	37.9	83.10	.92	37.9	1.20	.24	34.5	.00
6	79.80	.84	35.8	74.10	.82	33.8	5.70	1.14	164.0	.00
7*	1.35	.01	.6	2.04	.02	.9	-.69	-.14	-19.8	.00
8*	.32	.00	.1	.62	.01	.3	-.30	-.06	-8.6	.00
9*	.07	.00	.0	.37	.00	.2	-.30	-.06	-8.6	.00
10*	.75	.01	.3	1.25	.01	.6	-.50	-.10	-14.4	.00
11*	2.20	.02	1.0	2.98	.03	1.4	-.78	-.16	-22.4	.00
12	4.43	.05	2.0	4.43	.05	2.0	.00	.00	.0	.00
Area	95.06			90.07				4.99		
Relief	5030.00			5030.00				-9999.00		
Slope	12.30			12.30				12.60		
Aspect	170.00			170.00				163.00		
Elevation	5690.00			5720.00				5070.00		
MAP	51.90			52.90				33.60		
Jan Prec	6.19			6.25				5.12		
Jul Prec	1.02			1.06				.39		
Jul Min T	44.20			44.10				45.20		
Jan Max T	37.20			37.20				37.60		
Soil Perm	2.17			2.19				1.83		
Yield	5.11			5.20				2.35		

Stream: FOURMILE CR > UPPER KLAMATH L - AT NF BOUNDARY (36S 6E 17 NENW)
WAB ID #: 31420306 # WABS ABOVE: 1
Streams Above: 1 BILLIE CR > LAKE OF THE WOODS - AT MOUTH

MO	WAB ID # 31420306			Sum Upstream WABS			Difference			Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann	Flow	CSM	% Ann	
1	4.25	.05	1.9	.75	.16	3.6	3.50	.04	1.8	.00
2	8.66	.10	4.0	.97	.21	4.7	7.69	.09	3.9	.00
3	14.00	.16	6.4	1.80	.39	8.7	12.20	.14	6.2	.00
4	23.40	.26	10.7	4.27	.93	20.7	19.10	.22	9.6	.00
5	83.10	.92	37.9	7.28	1.58	35.2	75.80	.89	38.2	.00
6	74.10	.82	33.8	3.00	.65	14.5	71.10	.83	35.8	.00
7	2.04	.02	.9	.51	.11	2.5	1.53	.02	.8	.00
8	.62	.01	.3	.28	.06	1.4	.34	.00	.2	.00
9	.37	.00	.2	.31	.07	1.5	.06	.00	.0	.00
10	1.25	.01	.6	.40	.09	1.9	.85	.01	.4	.00
11	2.98	.03	1.4	.49	.11	2.4	2.49	.03	1.3	.00
12	4.43	.05	2.0	.61	.13	3.0	3.82	.04	1.9	.00
Area	90.07			4.61			85.45			
Relief	5030.00			1430.00			-9999.00			
Slope	12.30			9.88			12.40			
Aspect	170.00			179.00			170.00			
Elevation	5720.00			5810.00			5720.00			
MAP	52.90			55.00			52.80			
Jan Prec	6.25			6.03			6.26			
Jul Prec	1.06			1.11			1.05			
Jul Min T	44.10			43.50			44.10			
Jan Max T	37.20			37.40			37.20			
Soil Perm	2.19			2.17			2.19			
Yield	5.20			9.23			4.98			

Stream: BILLIE CR > LAKE OF THE WOODS - AT MOUTH
 WAB ID #: 31420307 # WABS ABOVE: 0

MO	WAB ID # 31420307			Sum Upstream WABs			Flow	Difference		Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	
1	.75	.16	3.6	.00	.00	.0	.00	.00	.0	.00
2	.97	.21	4.7	.00	.00	.0	.00	.00	.0	.00
3	1.80	.39	8.7	.00	.00	.0	.00	.00	.0	.00
4	4.27	.93	20.7	.00	.00	.0	.00	.00	.0	.00
5	7.28	1.58	35.2	.00	.00	.0	.00	.00	.0	.00
6	3.00	.65	14.5	.00	.00	.0	.00	.00	.0	.00
7	.51	.11	2.5	.00	.00	.0	.00	.00	.0	.00
8	.28	.06	1.4	.00	.00	.0	.00	.00	.0	.00
9	.31	.07	1.5	.00	.00	.0	.00	.00	.0	.00
10	.40	.09	1.9	.00	.00	.0	.00	.00	.0	.00
11	.49	.11	2.4	.00	.00	.0	.00	.00	.0	.00
12	.61	.13	3.0	.00	.00	.0	.00	.00	.0	.00
Area		4.61			.00			.00		
Relief		1430.00			.00			.00		
Slope		9.88			.00			.00		
Aspect		179.00			.00			.00		
Elevation		5810.00			.00			.00		
MAP		55.00			.00			.00		
Jan Prec		6.03			.00			.00		
Jul Prec		1.11			.00			.00		
Jul Min T		43.50			.00			.00		
Jan Max T		37.40			.00			.00		
Soil Perm		2.17			.00			.00		
Yield		9.23			.00			.00		

Stream: ROCK CR > CRYSTAL CR - AT MOUTH
WAB ID #: 31420302 # WABS ABOVE: 1
Streams Above: 1 ROCK CR > CRYSTAL CR - AT NF BOUNDARY (35S 6E 3 SENE)

MO	WAB ID # 31420302			Sum Upstream WABs			Flow	Difference		Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	
1	5.08	.29	7.0	4.98	.30	6.9	.10	.09	11.9	.00
2	5.80	.33	8.0	5.67	.34	7.9	.13	.12	15.5	.00
3	5.50	.31	7.6	5.39	.32	7.5	.11	.10	13.1	.00
4	10.10	.57	13.9	9.99	.60	13.9	.11	.10	13.1	.00
5	28.20	1.59	38.9	28.00	1.68	39.1	.20	.18	23.8	.00
6	11.20	.63	15.4	11.10	.67	15.5	.10	.09	11.9	.00
7	1.04	.06	1.4	1.03	.06	1.4	.01	.01	1.2	.00
8	.17	.01	.2	.17	.01	.2	.00	.00	.0	.00
9	.09	.01	.1	.09	.01	.1	.00	.00	.0	.00
10	.14	.01	.2	.14	.01	.2	.00	.00	.0	.00
11	.75	.04	1.0	.74	.04	1.0	.01	.01	1.2	.00
12	4.45	.25	6.1	4.38	.26	6.1	.07	.06	8.3	.00
Area	17.77			16.67				1.10		
Relief	3800.00			3800.00				-9999.00		
Slope	15.40			15.30				18.20		
Aspect	126.00			126.00				135.00		
Elevation	5810.00			5890.00				4620.00		
MAP	54.00			54.70				42.90		
Jan Prec	6.84			6.88				6.17		
Jul Prec	.84			.86				.49		
Jul Min T	44.60			44.70				43.40		
Jan Max T	36.80			36.70				38.00		
Soil Perm	2.50			2.56				1.67		
Yield	8.55			8.89				2.02		

Stream: ROCK CR > CRYSTAL CR - AT NF BOUNDARY (35S 6E 3 SENE)
 WAB ID #: 31420330 # WABS ABOVE: 0

MO	WAB ID # 31420330			Sum Upstream WABs			Flow	Difference		Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	
1	4.98	.30	6.9	.00	.00	.0	.00	.00	.0	.00
2	5.67	.34	7.9	.00	.00	.0	.00	.00	.0	.00
3	5.39	.32	7.5	.00	.00	.0	.00	.00	.0	.00
4	9.99	.60	13.9	.00	.00	.0	.00	.00	.0	.00
5	28.00	1.68	39.1	.00	.00	.0	.00	.00	.0	.00
6	11.10	.67	15.5	.00	.00	.0	.00	.00	.0	.00
7	1.03	.06	1.4	.00	.00	.0	.00	.00	.0	.00
8	.17	.01	.2	.00	.00	.0	.00	.00	.0	.00
9	.09	.01	.1	.00	.00	.0	.00	.00	.0	.00
10	.14	.01	.2	.00	.00	.0	.00	.00	.0	.00
11	.74	.04	1.0	.00	.00	.0	.00	.00	.0	.00
12	4.38	.26	6.1	.00	.00	.0	.00	.00	.0	.00
Area	16.67				.00			.00		
Relief	3800.00				.00			.00		
Slope	15.30				.00			.00		
Aspect	126.00				.00			.00		
Elevation	5890.00				.00			.00		
MAP	54.70				.00			.00		
Jan Prec	6.88				.00			.00		
Jul Prec	.86				.00			.00		
Jul Min T	44.70				.00			.00		
Jan Max T	36.70				.00			.00		
Soil Perm	2.56				.00			.00		
Yield	8.89				.00			.00		

Stream: CHERRY CR > FOURMILE CR - AT MOUTH
WAB ID #: 70798 # WABS ABOVE: 1
Streams Above: 1 CHERRY CR > FOURMILE CR - AT NF BOUNDARY (36S 6E 14 NWSW)

MO	WAB ID #	70798			Sum Upstream WABS			Difference			Difference With 50% Flow
		Flow	CSM	% Ann	Flow	CSM	% Ann	Flow	CSM	% Ann	
1	13.00	.58	5.2	13.00	.76	5.3	.00	.00	.0	.00	
2	16.60	.74	6.7	16.60	.98	6.8	.00	.00	.0	.00	
3	17.10	.76	6.9	17.00	1.00	7.0	.10	.02	1.7	.00	
4	31.30	1.39	12.6	31.10	1.83	12.8	.20	.04	3.4	.00	
5	68.40	3.04	27.4	65.60	3.86	27.0	2.80	.51	47.4	.00	
6	24.70	1.10	9.9	22.50	1.32	9.2	2.20	.40	37.2	.00	
7	10.20	.45	4.1	9.98	.59	4.1	.22	.04	3.7	.00	
8	9.50	.42	3.8	9.35	.55	3.8	.15	.03	2.5	.00	
9	9.21	.41	3.7	9.07	.53	3.7	.14	.03	2.4	.00	
10	10.50	.47	4.2	10.40	.61	4.3	.10	.02	1.7	.00	
11	17.40	.77	7.0	17.40	1.02	7.2	.00	.00	.0	.00	
12	21.40	.95	8.6	21.40	1.26	8.8	.00	.00	.0	.00	
Area		22.50			17.02			5.49			
Relief		3250.00			3250.00			-9999.00			
Slope		21.10			21.80			19.10			
Aspect		133.00			136.00			124.00			
Elevation		5730.00			5810.00			5460.00			
MAP		53.90			54.80			51.40			
Jan Prec		6.87			6.89			6.81			
Jul Prec		.81			.86			.67			
Jul Min T		44.20			44.40			43.70			
Jan Max T		36.60			36.40			37.20			
Soil Perm		2.28			2.47			1.70			
Yield		23.25			29.57			2.37			

Stream: CHERRY CR > FOURMILE CR - AT NF BOUNDARY (36S 6E 14 NWSW)
WAB ID #: 31420311 # WABS ABOVE: 0

MO	WAB ID # 31420311			Sum Upstream WABs			Flow	Difference		Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	
1	13.00	.76	5.3	.00	.00	.0	.00	.00	.0	.00
2	16.60	.98	6.8	.00	.00	.0	.00	.00	.0	.00
3	17.00	1.00	7.0	.00	.00	.0	.00	.00	.0	.00
4	31.10	1.83	12.8	.00	.00	.0	.00	.00	.0	.00
5	65.60	3.86	27.0	.00	.00	.0	.00	.00	.0	.00
6	22.50	1.32	9.2	.00	.00	.0	.00	.00	.0	.00
7	9.98	.59	4.1	.00	.00	.0	.00	.00	.0	.00
8	9.35	.55	3.8	.00	.00	.0	.00	.00	.0	.00
9	9.07	.53	3.7	.00	.00	.0	.00	.00	.0	.00
10	10.40	.61	4.3	.00	.00	.0	.00	.00	.0	.00
11	17.40	1.02	7.2	.00	.00	.0	.00	.00	.0	.00
12	21.40	1.26	8.8	.00	.00	.0	.00	.00	.0	.00
Area	17.02			.00				.00		
Relief	3250.00			.00				.00		
Slope	21.80			.00				.00		
Aspect	136.00			.00				.00		
Elevation	5810.00			.00				.00		
MAP	54.80			.00				.00		
Jan Prec	6.89			.00				.00		
Jul Prec	.86			.00				.00		
Jul Min T	44.40			.00				.00		
Jan Max T	36.40			.00				.00		
Soil Perm	2.47			.00				.00		
Yield	29.57			.00				.00		

Stream: THREEMILE CR > FOURMILE CR - AT MOUTH
WAB ID #: 31420303 # WABS ABOVE: 1
Streams Above: 1 THREEMILE CR > FOURMILE CR - AT NF BOUNDARY (34S 6E 2 NWSE)

MO	WAB ID # 31420303			Sum Upstream WABS			Difference			Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann	Flow	CSM	% Ann	
1	19.30	1.14	6.8	4.32	.44	4.5	15.00	2.12	8.0	.00
2	20.40	1.21	7.2	5.40	.55	5.7	15.00	2.13	8.0	.00
3	23.70	1.40	8.4	8.58	.87	9.0	15.10	2.14	8.1	.00
4	34.00	2.01	12.0	18.80	1.91	19.7	15.20	2.15	8.1	.00
5	46.50	2.75	16.5	28.80	2.93	30.2	17.70	2.51	9.5	.00
6	31.20	1.85	11.1	13.10	1.33	13.7	18.10	2.56	9.7	.00
7	18.50	1.09	6.6	3.14	.32	3.3	15.40	2.18	8.2	.00
8	17.10	1.01	6.1	1.88	.19	2.0	15.20	2.16	8.1	.00
9	17.30	1.02	6.1	2.06	.21	2.2	15.20	2.16	8.1	.00
10	17.70	1.05	6.3	2.58	.26	2.7	15.10	2.14	8.1	.00
11	18.00	1.07	6.4	3.04	.31	3.2	15.00	2.12	8.0	.00
12	18.60	1.10	6.6	3.58	.36	3.8	15.00	2.13	8.0	.00
Area	16.90			9.84			7.06			
Relief	3200.00			3200.00			-9999.00			
Slope	16.30			17.70			14.40			
Aspect	124.00			126.00			123.00			
Elevation	5680.00			6110.00			5090.00			
MAP	57.10			62.80			49.00			
Jan Prec	7.19			7.64			6.56			
Jul Prec	.80			.94			.60			
Jul Min T	43.60			44.60			42.20			
Jan Max T	36.60			35.80			37.70			
Soil Perm	2.35			2.43			2.23			
Yield	33.13			17.44			61.18			

Stream: THREEMILE CR > FOURMILE CR - AT NF BOUNDARY (34S 6E 2 NWSE)
WAB ID #: 31420321 # WABS ABOVE: 0

MO	WAB ID # 31420321			Sum Upstream WABs			Flow	Difference		Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	
1	4.32	.44	4.5	.00	.00	.0	.00	.00	.0	.00
2	5.40	.55	5.7	.00	.00	.0	.00	.00	.0	.00
3	8.58	.87	9.0	.00	.00	.0	.00	.00	.0	.00
4	18.80	1.91	19.7	.00	.00	.0	.00	.00	.0	.00
5	28.80	2.93	30.2	.00	.00	.0	.00	.00	.0	.00
6	13.10	1.33	13.7	.00	.00	.0	.00	.00	.0	.00
7	3.14	.32	3.3	.00	.00	.0	.00	.00	.0	.00
8	1.88	.19	2.0	.00	.00	.0	.00	.00	.0	.00
9	2.06	.21	2.2	.00	.00	.0	.00	.00	.0	.00
10	2.58	.26	2.7	.00	.00	.0	.00	.00	.0	.00
11	3.04	.31	3.2	.00	.00	.0	.00	.00	.0	.00
12	3.58	.36	3.8	.00	.00	.0	.00	.00	.0	.00
Area		9.84			.00			.00		
Relief		3200.00			.00			.00		
Slope		17.70			.00			.00		
Aspect		126.00			.00			.00		
Elevation		6110.00			.00			.00		
MAP		62.80			.00			.00		
Jan Prec		7.64			.00			.00		
Jul Prec		.94			.00			.00		
Jul Min T		44.60			.00			.00		
Jan Max T		35.80			.00			.00		
Soil Perm		2.43			.00			.00		
Yield		17.44			.00			.00		

Stream: SEVENMILE CR > UPPER KLAMATH L - AT MOUTH

WAB ID #: 70830 # WABS ABOVE: 1

Streams Above: 1 SEVENMILE CR > UPPER KLAMATH L - AT NF BOUNDARY (33S 6E 14 SESE)

MO	WAB ID #	70830		Sum Upstream WABS			Flow	Difference		Difference With 50% Flow
		Flow	CSM % Ann	Flow	CSM % Ann	Flow		CSM % Ann		
1	87.40	1.47	8.5	18.70	.71	7.5	68.70	2.07	8.8	.00
2	91.50	1.54	8.9	19.70	.74	7.8	71.80	2.17	9.2	.00
3	95.00	1.59	9.2	19.00	.72	7.6	76.00	2.29	9.7	.00
4	101.00	1.70	9.8	22.20	.84	8.9	78.80	2.38	10.1	.00
5	103.00	1.73	10.0	35.60	1.35	14.2	67.40	2.04	8.6	.00
6	97.20	1.63	9.4	28.30	1.07	11.3	68.90	2.08	8.8	.00
7	74.60	1.25	7.2	17.40	.66	6.9	57.20	1.73	7.3	.00
8	66.70	1.12	6.5	16.50	.62	6.6	50.20	1.52	6.4	.00
9	68.40	1.15	6.6	17.50	.66	7.0	50.90	1.54	6.5	.00
10	73.80	1.24	7.2	19.00	.72	7.6	54.80	1.65	7.0	.00
11	85.60	1.44	8.3	18.60	.70	7.4	67.00	2.02	8.6	.00
12	87.80	1.47	8.5	18.30	.69	7.3	69.50	2.10	8.9	.00
Area		59.58		26.46			33.12			
Relief		3060.00		2930.00			-9999.00			
Slope		12.00		14.40			10.10			
Aspect		136.00		136.00			136.00			
Elevation		5330.00		5700.00			5040.00			
MAP		51.20		60.40			43.80			
Jan Prec		6.73		7.58			6.04			
Jul Prec		.67		.83			.54			
Jul Min T		42.90		44.30			41.70			
Jan Max T		37.40		36.50			38.10			
Soil Perm		3.88		2.99			4.59			
Yield		38.33		17.76			61.03			

Stream: SEVENMILE CR > UPPER KLAMATH L - AT NF BOUNDARY (33S 6E 14 SESE)
WAB ID #: 31420310 # WABS ABOVE: 0

MO	WAB ID # 31420310			Sum Upstream WABs			Flow	Difference		Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	
1	18.70	.71	7.5	.00	.00	.0	.00	.00	.0	.00
2	19.70	.74	7.8	.00	.00	.0	.00	.00	.0	.00
3	19.00	.72	7.6	.00	.00	.0	.00	.00	.0	.00
4	22.20	.84	8.9	.00	.00	.0	.00	.00	.0	.00
5	35.60	1.35	14.2	.00	.00	.0	.00	.00	.0	.00
6	28.30	1.07	11.3	.00	.00	.0	.00	.00	.0	.00
7	17.40	.66	6.9	.00	.00	.0	.00	.00	.0	.00
8	16.50	.62	6.6	.00	.00	.0	.00	.00	.0	.00
9	17.50	.66	7.0	.00	.00	.0	.00	.00	.0	.00
10	19.00	.72	7.6	.00	.00	.0	.00	.00	.0	.00
11	18.60	.70	7.4	.00	.00	.0	.00	.00	.0	.00
12	18.30	.69	7.3	.00	.00	.0	.00	.00	.0	.00
Area	26.46			.00				.00		
Relief	2930.00			.00				.00		
Slope	14.40			.00				.00		
Aspect	136.00			.00				.00		
Elevation	5700.00			.00				.00		
MAP	60.40			.00				.00		
Jan Prec	7.58			.00				.00		
Jul Prec	.83			.00				.00		
Jul Min T	44.30			.00				.00		
Jan Max T	36.50			.00				.00		
Soil Perm	2.99			.00				.00		
Yield	17.76			.00				.00		

Stream: WOOD R > UPPER KLAMATH L - AT MOUTH
WAB ID #: 70829 # WABS ABOVE: 2
Streams Above: 1 FORT CR > WOOD R - AT MOUTH
2 ANNIE CR > WOOD R - AT MOUTH

MO	WAB ID #	70829		Sum Upstream WABs			Flow	Difference		Difference With 50% Flow
		Flow	CSM % Ann	Flow	CSM % Ann	Flow		CSM % Ann		
1	391.00	4.35	7.6	145.00	2.49	6.9	246.00	7.79	8.0	.00
2	389.00	4.33	7.5	145.00	2.49	6.9	244.00	7.73	7.9	.00
3	409.00	4.55	7.9	161.00	2.76	7.7	248.00	7.86	8.1	.00
4	434.00	4.83	8.4	168.00	2.88	8.0	266.00	8.44	8.6	.00
5	490.00	5.45	9.5	220.00	3.77	10.5	270.00	8.55	8.8	.00
6	533.00	5.93	10.3	264.00	4.53	12.6	269.00	8.52	8.7	.00
7	473.00	5.26	9.1	209.00	3.58	10.0	264.00	8.38	8.6	.00
8	431.00	4.80	8.3	173.00	2.97	8.3	258.00	8.16	8.4	.00
9	413.00	4.60	8.0	157.00	2.69	7.5	256.00	8.12	8.3	.00
10	407.00	4.53	7.9	151.00	2.59	7.2	256.00	8.12	8.3	.00
11	399.00	4.44	7.7	148.00	2.54	7.1	251.00	7.95	8.1	.00
12	399.00	4.44	7.7	150.00	2.56	7.2	249.00	7.90	8.1	.00
Area		89.88		58.32				31.55		
Relief		3830.00		-9999.00				-9999.00		
Slope		10.60		13.20				5.81		
Aspect		180.00		169.00				201.00		
Elevation		5320.00		5640.00				4730.00		
MAP		42.90		49.00				31.80		
Jan Prec		6.19		7.04				4.62		
Jul Prec		.53		.58				.44		
Jul Min T		41.50		41.90				40.70		
Jan Max T		37.50		36.80				38.80		
Soil Perm		9.52		9.01				10.50		
Yield		151.60		82.89				347.12		

Stream: FORT CR > WOOD R - AT MOUTH
 WAB ID #: 70810 # WABS ABOVE: 0

MO	WAB ID #	70810		Sum Upstream WABs			Flow	Difference		Difference With 50% Flow
		Flow	CSM % Ann	Flow	CSM % Ann	Flow		CSM % Ann		
1	82.90	38.58	8.2	.00	.00	.0	.00	.00	.0	.00
2	82.80	38.53	8.2	.00	.00	.0	.00	.00	.0	.00
3	82.90	38.58	8.2	.00	.00	.0	.00	.00	.0	.00
4	84.50	39.32	8.4	.00	.00	.0	.00	.00	.0	.00
5	85.10	39.60	8.5	.00	.00	.0	.00	.00	.0	.00
6	85.10	39.60	8.5	.00	.00	.0	.00	.00	.0	.00
7	84.60	39.37	8.4	.00	.00	.0	.00	.00	.0	.00
8	84.00	39.09	8.4	.00	.00	.0	.00	.00	.0	.00
9	83.90	39.04	8.3	.00	.00	.0	.00	.00	.0	.00
10	83.90	39.04	8.3	.00	.00	.0	.00	.00	.0	.00
11	83.40	38.81	8.3	.00	.00	.0	.00	.00	.0	.00
12	83.20	38.72	8.3	.00	.00	.0	.00	.00	.0	.00
Area		2.15			.00			.00		
Relief		640.00			.00			.00		
Slope		6.65			.00			.00		
Aspect		239.00			.00			.00		
Elevation		4510.00			.00			.00		
MAP		24.90			.00			.00		
Jan Prec		3.59			.00			.00		
Jul Prec		.32			.00			.00		
Jul Min T		39.50			.00			.00		
Jan Max T		39.00			.00			.00		
Soil Perm		14.80			.00			.00		
Yield		2129.71			.00			.00		

Stream: ANNIE CR > WOOD R - AT MOUTH

WAB ID #: 70831 # WABS ABOVE: 3

Streams Above: 1 SUN CR > ANNIE CR - AT MOUTH

2 UNN STR > ANNIE CR - AT CRATER L NP BOUNDARY

3 ANNIE CR > WOOD R - AT NF BOUNDARY (32S 6E 36 NENE)

MO	WAB ID #	70831		Sum Upstream WABs			Difference			Difference With 50% Flow
		Flow	CSM % Ann	Flow	CSM % Ann	Flow	CSM % Ann	CSM % Ann		
1	62.40	1.11	5.8	58.90	1.29	5.6	3.51	.33	9.2	.00
2	62.20	1.11	5.7	55.00	1.21	5.3	7.22	.68	19.0	.00
3	78.20	1.39	7.2	67.50	1.48	6.4	10.70	1.01	28.1	.00
4	83.30	1.48	7.7	76.30	1.67	7.3	6.96	.66	18.3	.00
5	135.00	2.40	12.4	133.00	2.91	12.7	2.22	.21	5.8	.00
6	179.00	3.19	16.5	178.00	3.91	17.0	.69	.07	1.8	.00
7	124.00	2.21	11.4	123.00	2.71	11.8	.61	.06	1.6	.00
8	89.40	1.59	8.2	88.70	1.95	8.5	.67	.06	1.8	.00
9	72.90	1.30	6.7	72.20	1.58	6.9	.70	.07	1.8	.00
10	67.00	1.19	6.2	66.40	1.46	6.3	.64	.06	1.7	.00
11	64.80	1.15	6.0	63.60	1.39	6.1	1.21	.11	3.2	.00
12	66.40	1.18	6.1	63.50	1.39	6.1	2.91	.27	7.7	.00
Area		56.18		45.59				10.58		
Relief		3690.00		-9999.00				-9999.00		
Slope		13.50		15.50				4.83		
Aspect		167.00		168.00				161.00		
Elevation		5680.00		5910.00				4710.00		
MAP		49.90		54.00				32.10		
Jan Prec		7.17		7.71				4.84		
Jul Prec		.59		.64				.39		
Jul Min T		42.00		42.10				41.70		
Jan Max T		36.70		36.20				38.60		
Soil Perm		8.79		8.78				8.81		
Yield		43.82		48.11				12.67		

Stream: SUN CR > ANNIE CR - AT MOUTH
WAB ID #: 70819 # WABS ABOVE: 1
Streams Above: 1 SUN CR > ANNIE CR - AT CRATER L NP BOUNDARY

MO	WAB ID #	70819		Sum Upstream WABs			Flow	Difference		Difference With 50% Flow
		Flow	CSM % Ann	Flow	CSM % Ann	CSM % Ann				
1*	8.14	.62	4.7	10.50	.97	5.1	-2.36	-.98	7.5	.00
2*	7.04	.53	4.0	9.85	.91	4.8	-2.81	-1.17	8.9	.00
3*	11.40	.86	6.5	14.50	1.34	7.0	-3.10	-1.29	9.9	.00
4*	12.20	.92	7.0	15.30	1.41	7.4	-3.10	-1.29	9.9	.00
5*	25.30	1.91	14.5	27.40	2.53	13.3	-2.10	-.87	6.7	.00
6*	36.10	2.73	20.6	36.60	3.38	17.7	-.50	-.21	1.6	.00
7*	22.30	1.69	12.7	24.80	2.29	12.0	-2.50	-1.04	7.9	.00
8*	14.40	1.09	8.2	17.40	1.61	8.4	-3.00	-1.25	9.5	.00
9*	10.90	.82	6.2	13.90	1.28	6.7	-3.00	-1.25	9.5	.00
10*	9.81	.74	5.6	12.90	1.19	6.3	-3.09	-1.28	9.8	.00
11*	9.24	.70	5.3	12.00	1.11	5.8	-2.76	-1.15	8.8	.00
12*	8.17	.62	4.7	11.30	1.04	5.5	-3.13	-1.30	9.9	.00
Area		13.23		10.82				2.40		
Relief		3660.00		3400.00				-9999.00		
Slope		20.20		22.60				9.39		
Aspect		181.00		176.00				205.00		
Elevation		5730.00		5950.00				4750.00		
MAP		47.30		50.00				34.90		
Jan Prec		6.93		7.33				5.15		
Jul Prec		.58		.61				.47		
Jul Min T		43.00		43.00				43.40		
Jan Max T		36.80		36.40				38.20		
Soil Perm		11.60		12.20				8.56		
Yield		31.68		43.17				-42.37		

Stream: SUN CR > ANNIE CR - AT CRATER L NP BOUNDARY
WAB ID #: 31420314 # WABS ABOVE: 0

MO	WAB ID # 31420314			Sum Upstream WABS			Difference			Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann	Flow	CSM	% Ann	
1	10.50	.97	5.1	.00	.00	.0	.00	.00	.0	.00
2	9.85	.91	4.8	.00	.00	.0	.00	.00	.0	.00
3	14.50	1.34	7.0	.00	.00	.0	.00	.00	.0	.00
4	15.30	1.41	7.4	.00	.00	.0	.00	.00	.0	.00
5	27.40	2.53	13.3	.00	.00	.0	.00	.00	.0	.00
6	36.60	3.38	17.7	.00	.00	.0	.00	.00	.0	.00
7	24.80	2.29	12.0	.00	.00	.0	.00	.00	.0	.00
8	17.40	1.61	8.4	.00	.00	.0	.00	.00	.0	.00
9	13.90	1.28	6.7	.00	.00	.0	.00	.00	.0	.00
10	12.90	1.19	6.3	.00	.00	.0	.00	.00	.0	.00
11	12.00	1.11	5.8	.00	.00	.0	.00	.00	.0	.00
12	11.30	1.04	5.5	.00	.00	.0	.00	.00	.0	.00
Area		10.82			.00			.00		
Relief		3400.00			.00			.00		
Slope		22.60			.00			.00		
Aspect		176.00			.00			.00		
Elevation		5950.00			.00			.00		
MAP		50.00			.00			.00		
Jan Prec		7.33			.00			.00		
Jul Prec		.61			.00			.00		
Jul Min T		43.00			.00			.00		
Jan Max T		36.40			.00			.00		
Soil Perm		12.20			.00			.00		
Yield		43.17			.00			.00		

Stream: UNN STR > ANNIE CR - AT CRATER L NP BOUNDARY
 WAB ID #: 31420309 # WABS ABOVE: 0

MO	WAB ID # 31420309			Sum Upstream WABs			Flow	Difference		Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	
1	3.25	.94	9.7	.00	.00	.0	.00	.00	.0	.00
2	3.24	.93	9.7	.00	.00	.0	.00	.00	.0	.00
3	2.83	.82	8.4	.00	.00	.0	.00	.00	.0	.00
4	2.64	.76	7.9	.00	.00	.0	.00	.00	.0	.00
5	3.48	1.00	10.4	.00	.00	.0	.00	.00	.0	.00
6	4.21	1.21	12.6	.00	.00	.0	.00	.00	.0	.00
7	3.29	.95	9.8	.00	.00	.0	.00	.00	.0	.00
8	1.93	.56	5.8	.00	.00	.0	.00	.00	.0	.00
9	1.70	.49	5.1	.00	.00	.0	.00	.00	.0	.00
10	1.45	.42	4.3	.00	.00	.0	.00	.00	.0	.00
11	2.25	.65	6.7	.00	.00	.0	.00	.00	.0	.00
12	3.22	.93	9.6	.00	.00	.0	.00	.00	.0	.00
Area	3.47			.00				.00		
Relief	2510.00			.00				.00		
Slope	13.90			.00				.00		
Aspect	156.00			.00				.00		
Elevation	5550.00			.00				.00		
MAP	45.50			.00				.00		
Jan Prec	6.20			.00				.00		
Jul Prec	.61			.00				.00		
Jul Min T	42.60			.00				.00		
Jan Max T	37.50			.00				.00		
Soil Perm	12.40			.00				.00		
Yield	24.02			.00				.00		

Stream: ANNIE CR > WOOD R - AT NF BOUNDARY (32S 6E 36 NENE)
WAB ID #: 31420328 # WABS ABOVE: 1
Streams Above: 1 ANNIE CR > WOOD R - AT CRATER L NP BOUNDARY

MO	WAB ID # 31420328			Sum Upstream WABS			Difference			Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann	Flow	CSM	% Ann	
1	47.50	1.64	5.7	47.50	1.67	5.7	.00	.00	.0	.00
2	44.70	1.55	5.3	44.70	1.57	5.3	.00	.00	.0	.00
3	53.30	1.84	6.4	53.30	1.87	6.4	.00	.00	.0	.00
4	61.50	2.13	7.3	61.50	2.16	7.3	.00	.00	.0	.00
5	104.00	3.60	12.4	104.00	3.65	12.4	.00	.00	.0	.00
6	138.00	4.77	16.5	138.00	4.84	16.5	.00	.00	.0	.00
7	97.80	3.38	11.7	97.80	3.43	11.7	.00	.00	.0	.00
8	72.40	2.51	8.6	72.40	2.54	8.6	.00	.00	.0	.00
9	59.60	2.06	7.1	59.60	2.09	7.1	.00	.00	.0	.00
10	55.10	1.91	6.6	55.10	1.93	6.6	.00	.00	.0	.00
11	52.10	1.80	6.2	52.10	1.83	6.2	.00	.00	.0	.00
12	52.10	1.80	6.2	52.10	1.83	6.2	.00	.00	.0	.00
Area	28.90			28.51				.40		
Relief	3420.00			3400.00				-9999.00		
Slope	13.50			13.70				.08		
Aspect	163.00			164.00				116.00		
Elevation	6030.00			6050.00				4370.00		
MAP	58.10			58.50				31.80		
Jan Prec	8.25			8.30				5.01		
Jul Prec	.67			.67				.38		
Jul Min T	41.50			41.50				41.00		
Jan Max T	35.80			35.80				39.10		
Soil Perm	7.06			7.05				8.29		
Yield	56.50			56.93				.00		

Stream: ANNIE CR > WOOD R - AT CRATER L NP BOUNDARY
 WAB ID #: 31420333 # WABS ABOVE: 0

MO	WAB ID # 31420333			Sum Upstream WABs			Flow	Difference		Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	
1	47.50	1.67	5.7	.00	.00	.0	.00	.00	.0	.00
2	44.70	1.57	5.3	.00	.00	.0	.00	.00	.0	.00
3	53.30	1.87	6.4	.00	.00	.0	.00	.00	.0	.00
4	61.50	2.16	7.3	.00	.00	.0	.00	.00	.0	.00
5	104.00	3.65	12.4	.00	.00	.0	.00	.00	.0	.00
6	138.00	4.84	16.5	.00	.00	.0	.00	.00	.0	.00
7	97.80	3.43	11.7	.00	.00	.0	.00	.00	.0	.00
8	72.40	2.54	8.6	.00	.00	.0	.00	.00	.0	.00
9	59.60	2.09	7.1	.00	.00	.0	.00	.00	.0	.00
10	55.10	1.93	6.6	.00	.00	.0	.00	.00	.0	.00
11	52.10	1.83	6.2	.00	.00	.0	.00	.00	.0	.00
12	52.10	1.83	6.2	.00	.00	.0	.00	.00	.0	.00
Area	28.51			.00				.00		
Relief	3400.00			.00				.00		
Slope	13.70			.00				.00		
Aspect	164.00			.00				.00		
Elevation	6050.00			.00				.00		
MAP	58.50			.00				.00		
Jan Prec	8.30			.00				.00		
Jul Prec	.67			.00				.00		
Jul Min T	41.50			.00				.00		
Jan Max T	35.80			.00				.00		
Soil Perm	7.05			.00				.00		
Yield	56.93			.00				.00		

Stream: CROOKED CR > WOOD R - AT MOUTH
 WAB ID #: 70807 # WABS ABOVE: 0

MO	WAB ID #	70807		Sum Upstream WABs			Flow	Difference		
		Flow	CSM % Ann	Flow	CSM % Ann	Flow		CSM % Ann	With 50% Flow	
1	84.90	10.80	8.1	.00	.00	.0	.00	.00	.0	.00
2	85.00	10.81	8.1	.00	.00	.0	.00	.00	.0	.00
3	93.60	11.91	9.0	.00	.00	.0	.00	.00	.0	.00
4	93.80	11.93	9.0	.00	.00	.0	.00	.00	.0	.00
5	84.60	10.76	8.1	.00	.00	.0	.00	.00	.0	.00
6	85.00	10.81	8.1	.00	.00	.0	.00	.00	.0	.00
7	80.50	10.24	7.7	.00	.00	.0	.00	.00	.0	.00
8	83.20	10.59	8.0	.00	.00	.0	.00	.00	.0	.00
9	81.90	10.42	7.8	.00	.00	.0	.00	.00	.0	.00
10	92.50	11.77	8.9	.00	.00	.0	.00	.00	.0	.00
11	90.60	11.53	8.7	.00	.00	.0	.00	.00	.0	.00
12	89.60	11.40	8.6	.00	.00	.0	.00	.00	.0	.00
Area		7.86			.00			.00		
Relief		643.00			.00			.00		
Slope		9.87			.00			.00		
Aspect		213.00			.00			.00		
Elevation		4440.00			.00			.00		
MAP		20.90			.00			.00		
Jan Prec		3.17			.00			.00		
Jul Prec		.31			.00			.00		
Jul Min T		39.10			.00			.00		
Jan Max T		39.60			.00			.00		
Soil Perm		10.40			.00			.00		
Yield		719.77			.00			.00		

Stream: WILLIAMSON R > UPPER KLAMATH L - AT MOUTH
WAB ID #: 70826 # WABS ABOVE: 1
Streams Above: 1 WILLIAMSON R > UPPER KLAMATH L - AT HWY 97 CROSSING

MO	WAB ID #	70826		Sum Upstream WABS			Flow	Difference		Difference With 50% Flow
		Flow	CSM % Ann	Flow	CSM % Ann	CSM % Ann				
1	1030.00	.34	7.3	1030.00	.34	7.3	.00	.00	.0	.00
2	1330.00	.44	9.4	1330.00	.44	9.4	.00	.00	.0	.00
3	1670.00	.55	11.8	1660.00	.55	11.8	10.00	.56	47.6	.00
4	2180.00	.72	15.5	2170.00	.72	15.4	10.00	.56	47.6	.00
5	1970.00	.65	14.0	1970.00	.66	14.0	.00	.00	.0	.00
6	1220.00	.40	8.6	1220.00	.41	8.7	.00	.00	.0	.00
7	715.00	.24	5.1	715.00	.24	5.1	.00	.00	.0	.00
8	620.00	.21	4.4	620.00	.21	4.4	.00	.00	.0	.00
9	656.00	.22	4.7	656.00	.22	4.7	.00	.00	.0	.00
10	740.00	.24	5.3	740.00	.25	5.3	.00	.00	.0	.00
11	916.00	.30	6.5	915.00	.30	6.5	1.00	.06	4.8	.00
12	1050.00	.35	7.4	1050.00	.35	7.5	.00	.00	.0	.00

Area	3024.00			3006.00				17.95		
Relief	4680.00			4630.00				-9999.00		
Slope	5.62			5.64				3.44		
Aspect	179.00			178.00				196.00		
Elevation	5180.00			5190.00				4330.00		
MAP	24.80			24.80				20.10		
Jan Prec	3.22			3.22				3.05		
Jul Prec	.57			.57				.41		
Jul Min T	41.40			41.40				39.90		
Jan Max T	38.60			38.60				39.60		
Soil Perm	8.83			8.88				1.80		
Yield	21.28			21.35				6.59		

Stream: WILLIAMSON R > UPPER KLAMATH L - AT HWY 97 CROSSING
WAB ID #: 31420125 # WABS ABOVE: 2
Streams Above: 1 SPRAGUE R > WILLIAMSON R - AT MOUTH
2 WILLIAMSON R > UPPER KLAMATH L - AB SPRAGUE R

MO	WAB ID # 31420125			Sum Upstream WABs			Difference			Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann	Flow	CSM	% Ann	
1	1030.00	.34	7.3	1020.00	.34	7.3	10.00	1.09	50.0	.00
2	1330.00	.44	9.4	1290.00	.43	9.1	44.00	4.80	220.0	.00
3*	1660.00	.55	11.8	1680.00	.56	12.0	-22.00	-2.40	-110.0	.00
4	2170.00	.72	15.4	2170.00	.72	15.4	4.00	.44	20.0	.00
5*	1970.00	.66	14.0	1990.00	.66	14.2	-20.00	-2.18	-100.0	.00
6*	1220.00	.41	8.7	1250.00	.42	8.9	-32.00	-3.49	-160.0	.00
7*	715.00	.24	5.1	746.00	.25	5.3	-31.00	-3.38	-155.0	.00
8*	620.00	.21	4.4	632.00	.21	4.5	-12.00	-1.31	-60.0	.00
9*	656.00	.22	4.7	661.00	.22	4.7	-5.00	-.55	-25.0	.00
10	740.00	.25	5.3	723.00	.24	5.1	17.00	1.85	85.0	.00
11	915.00	.30	6.5	868.00	.29	6.2	47.00	5.12	235.0	.00
12	1050.00	.35	7.5	1030.00	.34	7.3	20.00	2.18	100.0	.00
Area	3006.00			2997.00				9.17		
Relief	4630.00			-9999.00				-9999.00		
Slope	5.64			5.63				6.04		
Aspect	178.00			178.00				178.00		
Elevation	5190.00			5190.00				4360.00		
MAP	24.80			24.80				18.70		
Jan Prec	3.22			3.22				3.12		
Jul Prec	.57			.58				.24		
Jul Min T	41.40			41.40				39.30		
Jan Max T	38.60			38.60				39.60		
Soil Perm	8.88			8.90				2.17		
Yield	21.35			21.37				13.20		

Stream: SPRAGUE R > WILLIAMSON R - AT MOUTH
WAB ID #: 70806 # WABS ABOVE: 1
Streams Above: 1 SPRAGUE R > WILLIAMSON R - AT CHILOQUIN DAM

MO	WAB ID #	70806		Sum Upstream WABs			Flow	Difference		Difference With 50% Flow
		Flow	CSM % Ann	Flow	CSM % Ann	Flow		CSM % Ann		
1	435.00	.27	6.0	435.00	.27	6.0	.00	.00	.0	.00
2	578.00	.36	7.9	578.00	.36	7.9	.00	.00	.0	.00
3	849.00	.53	11.7	849.00	.53	11.7	.00	.00	.0	.00
4	1290.00	.80	17.7	1290.00	.80	17.7	.00	.00	.0	.00
5	1320.00	.82	18.1	1320.00	.82	18.1	.00	.00	.0	.00
6	745.00	.46	10.2	745.00	.46	10.2	.00	.00	.0	.00
7	354.00	.22	4.9	354.00	.22	4.9	.00	.00	.0	.00
8	264.00	.16	3.6	264.00	.16	3.6	.00	.00	.0	.00
9	290.00	.18	4.0	290.00	.18	4.0	.00	.00	.0	.00
10	350.00	.22	4.8	350.00	.22	4.8	.00	.00	.0	.00
11	379.00	.24	5.2	379.00	.24	5.2	.00	.00	.0	.00
12	427.00	.27	5.9	427.00	.27	5.9	.00	.00	.0	.00

Area	1610.00			1610.00				.68		
Relief	4100.00			4100.00				-9999.00		
Slope	6.23			6.23				8.59		
Aspect	186.00			186.00				177.00		
Elevation	5270.00			5270.00				4340.00		
MAP	22.90			22.90				18.10		
Jan Prec	2.76			2.76				2.76		
Jul Prec	.60			.60				.60		
Jul Min T	42.70			42.70				38.00		
Jan Max T	39.00			39.00				41.30		
Soil Perm	5.44			5.44				3.08		
Yield	22.39			22.40				.00		

Stream: SPRAGUE R > WILLIAMSON R - AT CHILOQUIN DAM
WAB ID #: 31420268 # WABS ABOVE: 1
Streams Above: 1 SPRAGUE R > WILLIAMSON R - AT NF BOUNDARY (34S 7E 36 NENW)

MO	WAB ID # 31420268			Sum Upstream WABs			Difference			Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann	Flow	CSM	% Ann	
1	435.00	.27	6.0	435.00	.27	6.0	.00	.00	.0	.00
2	578.00	.36	7.9	571.00	.36	7.8	7.00	.38	117.0	.00
3	849.00	.53	11.7	845.00	.53	11.6	4.00	.22	66.7	.00
4	1290.00	.80	17.7	1270.00	.80	17.5	20.00	1.10	333.0	.00
5*	1320.00	.82	18.1	1350.00	.85	18.6	-30.00	-1.64	-500.0	.00
6	745.00	.46	10.2	739.00	.46	10.2	6.00	.33	100.0	.00
7	354.00	.22	4.9	344.00	.22	4.7	10.00	.55	167.0	.00
8*	264.00	.16	3.6	272.00	.17	3.7	-8.00	-.44	-133.0	.00
9*	290.00	.18	4.0	294.00	.18	4.0	-4.00	-.22	-66.7	.00
10	350.00	.22	4.8	341.00	.21	4.7	9.00	.49	150.0	.00
11*	379.00	.24	5.2	389.00	.24	5.3	-10.00	-.55	-167.0	.00
12	427.00	.27	5.9	425.00	.27	5.8	2.00	.11	33.3	.00
Area	1610.00			1592.00				18.24		
Relief	4100.00			4100.00				-9999.00		
Slope	6.23			6.18				11.00		
Aspect	186.00			186.00				215.00		
Elevation	5270.00			5280.00				4920.00		
MAP	22.90			22.80				27.20		
Jan Prec	2.76			2.74				3.98		
Jul Prec	.60			.60				.34		
Jul Min T	42.70			42.70				40.50		
Jan Max T	39.00			39.00				38.90		
Soil Perm	5.44			5.46				3.52		
Yield	22.40			22.69				1.37		

Stream: SPRAGUE R > WILLIAMSON R - AT NF BOUNDARY (34S 7E 36 NENW)
WAB ID #: 31420266 # WABS ABOVE: 1
Streams Above: 1 SPRAGUE R > WILLIAMSON R - AT BRAYMILL

MO	WAB ID # 31420266			Sum Upstream WABs			Difference			Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann	Flow	CSM	% Ann	
1	435.00	.27	6.0	435.00	.27	6.0	.00	.00	.0	.00
2	571.00	.36	7.8	570.00	.36	7.8	1.00	.20	33.3	.00
3	845.00	.53	11.6	844.00	.53	11.6	1.00	.20	33.3	.00
4	1270.00	.80	17.5	1270.00	.80	17.5	.00	.00	.0	.00
5	1350.00	.85	18.6	1350.00	.85	18.6	.00	.00	.0	.00
6	739.00	.46	10.2	738.00	.47	10.1	1.00	.20	33.3	.00
7	344.00	.22	4.7	344.00	.22	4.7	.00	.00	.0	.00
8	272.00	.17	3.7	272.00	.17	3.7	.00	.00	.0	.00
9	294.00	.18	4.0	294.00	.19	4.0	.00	.00	.0	.00
10	341.00	.21	4.7	341.00	.21	4.7	.00	.00	.0	.00
11	389.00	.24	5.3	389.00	.25	5.3	.00	.00	.0	.00
12	425.00	.27	5.8	425.00	.27	5.8	.00	.00	.0	.00
Area	1592.00			1587.00				4.95		
Relief	4100.00			4000.00				-9999.00		
Slope	6.18			6.17				8.10		
Aspect	186.00			186.00				189.00		
Elevation	5280.00			5280.00				4630.00		
MAP	22.80			22.80				21.20		
Jan Prec	2.74			2.74				3.06		
Jul Prec	.60			.61				.28		
Jul Min T	42.70			42.70				39.50		
Jan Max T	39.00			39.00				39.60		
Soil Perm	5.46			5.47				3.54		
Yield	22.69			22.74				3.24		

Stream: SPRAGUE R > WILLIAMSON R - AT BRAYMILL
WAB ID #: 31420231 # WABS ABOVE: 1
Streams Above: 1 SPRAGUE R > WILLIAMSON R - AT UPPER S' OCHOLIS CAN

MO	WAB ID # 31420231			Sum Upstream WABS			Difference			Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann	Flow	CSM	% Ann	
1	435.00	.27	6.0	361.00	.25	5.7	74.00	.49	7.9	.00
2	570.00	.36	7.8	480.00	.33	7.6	90.00	.59	9.6	.00
3	844.00	.53	11.6	744.00	.52	11.7	100.00	.66	10.7	.00
4	1270.00	.80	17.5	1140.00	.79	18.0	130.00	.86	13.9	.00
5	1350.00	.85	18.6	1260.00	.88	19.9	90.00	.59	9.6	.00
6	738.00	.47	10.1	645.00	.45	10.2	93.00	.61	9.9	.00
7	344.00	.22	4.7	295.00	.21	4.7	49.00	.32	5.2	.00
8	272.00	.17	3.7	225.00	.16	3.5	47.00	.31	5.0	.00
9	294.00	.19	4.0	244.00	.17	3.8	50.00	.33	5.3	.00
10	341.00	.21	4.7	280.00	.20	4.4	61.00	.40	6.5	.00
11	389.00	.25	5.3	314.00	.22	5.0	75.00	.50	8.0	.00
12	425.00	.27	5.8	347.00	.24	5.5	78.00	.52	8.3	.00
Area	1587.00			1435.00			151.30			
Relief	4000.00			4000.00			-9999.00			
Slope	6.17			6.07			7.14			
Aspect	186.00			186.00			185.00			
Elevation	5280.00			5330.00			4800.00			
MAP	22.80			22.90			22.10			
Jan Prec	2.74			2.71			3.01			
Jul Prec	.61			.62			.44			
Jul Min T	42.70			43.00			40.00			
Jan Max T	39.00			38.90			39.30			
Soil Perm	5.47			5.26			7.39			
Yield	22.74			21.84			31.65			

Stream: SPRAGUE R > WILLIAMSON R - AT UPPER S'OCHOLIS CAN
WAB ID #: 31420262 # WABS ABOVE: 1
Streams Above: 1 SPRAGUE R > WILLIAMSON R - AT LONE PINE

MO	WAB ID # 31420262			Sum Upstream WABS			Difference			Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann	Flow	CSM	% Ann	
1	361.00	.25	5.7	361.00	.25	5.7	.00	.00	.0	.00
2	480.00	.33	7.6	479.00	.33	7.6	1.00	.34	50.0	.00
3	744.00	.52	11.7	743.00	.52	11.7	1.00	.34	50.0	.00
4	1140.00	.79	18.0	1140.00	.80	18.0	.00	.00	.0	.00
5	1260.00	.88	19.9	1260.00	.88	19.9	.00	.00	.0	.00
6	645.00	.45	10.2	645.00	.45	10.2	.00	.00	.0	.00
7	295.00	.21	4.7	295.00	.21	4.7	.00	.00	.0	.00
8	225.00	.16	3.5	225.00	.16	3.5	.00	.00	.0	.00
9	244.00	.17	3.8	244.00	.17	3.8	.00	.00	.0	.00
10	280.00	.20	4.4	280.00	.20	4.4	.00	.00	.0	.00
11	314.00	.22	5.0	314.00	.22	5.0	.00	.00	.0	.00
12	347.00	.24	5.5	347.00	.24	5.5	.00	.00	.0	.00
Area	1435.00			1432.00				2.94		
Relief	4000.00			4000.00				-9999.00		
Slope	6.07			6.06				8.99		
Aspect	186.00			186.00				158.00		
Elevation	5330.00			5330.00				4660.00		
MAP	22.90			22.90				19.50		
Jan Prec	2.71			2.71				2.71		
Jul Prec	.62			.62				.62		
Jul Min T	43.00			43.00				41.50		
Jan Max T	38.90			38.90				39.40		
Soil Perm	5.26			5.27				2.83		
Yield	21.84			21.87				3.95		

Stream: SPRAGUE R > WILLIAMSON R - AT LONE PINE
WAB ID #: 70805 # WABS ABOVE: 2
Streams Above: 1 TROUT CR > SPRAGUE R - AT MOUTH
2 SPRAGUE R > WILLIAMSON R - AB TROUT CR

MO	WAB ID # Flow	70805		Sum Upstream WABs			Difference			Difference With 50% Flow
		CSM	% Ann	Flow	CSM	% Ann	Flow	CSM	% Ann	
1	361.00	.25	5.7	355.00	.26	5.7	6.21	.11	6.0	.00
2	479.00	.33	7.6	467.00	.34	7.5	12.00	.22	11.6	.00
3	743.00	.52	11.7	729.00	.53	11.7	13.90	.25	13.4	.00
4	1140.00	.80	18.0	1110.00	.80	17.8	31.70	.57	30.6	.00
5	1260.00	.88	19.9	1250.00	.91	20.1	10.90	.20	10.5	.00
6	645.00	.45	10.2	631.00	.46	10.1	13.50	.25	13.1	.00
7	295.00	.21	4.7	294.00	.21	4.7	.87	.02	.8	.00
8	225.00	.16	3.5	225.00	.16	3.6	.35	.01	.3	.00
9	244.00	.17	3.8	244.00	.18	3.9	.26	.00	.3	.00
10	280.00	.20	4.4	278.00	.20	4.5	2.08	.04	2.0	.00
11	314.00	.22	5.0	309.00	.22	5.0	5.03	.09	4.8	.00
12	347.00	.24	5.5	340.00	.25	5.5	6.81	.12	6.6	.00
Area	1432.00			1377.00			55.13			
Relief	4000.00			-9999.00			-9999.00			
Slope	6.06			6.01			7.31			
Aspect	186.00			186.00			179.00			
Elevation	5330.00			5350.00			4920.00			
MAP	22.90			23.00			21.30			
Jan Prec	2.71			2.71			2.74			
Jul Prec	.62			.63			.54			
Jul Min T	43.00			43.10			40.50			
Jan Max T	38.90			38.90			39.40			
Soil Perm	5.27			5.25			5.84			
Yield	21.87			22.31			9.97			

Stream: TROUT CR > SPRAGUE R - AT MOUTH
 WAB ID #: 31420203 # WABS ABOVE: 0

MO	WAB ID # 31420203			Sum Upstream WABs			Flow	Difference		Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	
1	1.79	.06	3.6	.00	.00	.0	.00	.00	.0	.00
2	3.02	.11	6.1	.00	.00	.0	.00	.00	.0	.00
3	4.12	.15	8.3	.00	.00	.0	.00	.00	.0	.00
4	8.30	.29	16.8	.00	.00	.0	.00	.00	.0	.00
5	9.08	.32	18.4	.00	.00	.0	.00	.00	.0	.00
6	5.47	.19	11.1	.00	.00	.0	.00	.00	.0	.00
7	3.13	.11	6.3	.00	.00	.0	.00	.00	.0	.00
8	2.65	.09	5.4	.00	.00	.0	.00	.00	.0	.00
9	2.74	.10	5.6	.00	.00	.0	.00	.00	.0	.00
10	2.92	.10	5.9	.00	.00	.0	.00	.00	.0	.00
11	2.97	.11	6.0	.00	.00	.0	.00	.00	.0	.00
12	3.19	.11	6.5	.00	.00	.0	.00	.00	.0	.00
Area	28.27			.00				.00		
Relief	2900.00			.00				.00		
Slope	11.70			.00				.00		
Aspect	98.90			.00				.00		
Elevation	5430.00			.00				.00		
MAP	26.10			.00				.00		
Jan Prec	3.52			.00				.00		
Jul Prec	.59			.00				.00		
Jul Min T	40.30			.00				.00		
Jan Max T	38.50			.00				.00		
Soil Perm	2.34			.00				.00		
Yield	7.59			.00				.00		

Stream: SPRAGUE R > WILLIAMSON R - AB TROUT CR
WAB ID #: 31420233 # WABS ABOVE: 3
Streams Above: 1 WHISKY CR > SPRAGUE R - AT MOUTH
2 SYCAN R > SPRAGUE R - AT MOUTH
3 SPRAGUE R > WILLIAMSON R - AB SYCAN R

MO	WAB ID # 31420233			Sum Upstream WABs			Difference			Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann	Flow	CSM	% Ann	
1	353.00	.26	5.7	306.00	.26	5.6	47.40	.27	7.0	.00
2	464.00	.34	7.5	405.00	.34	7.4	58.80	.34	8.6	.00
3	725.00	.54	11.7	648.00	.55	11.8	77.20	.44	11.4	.00
4	1100.00	.82	17.8	987.00	.84	17.9	113.00	.65	16.6	.00
5	1240.00	.92	20.1	1170.00	1.00	21.3	70.20	.40	10.3	.00
6	626.00	.46	10.1	568.00	.48	10.3	57.80	.33	8.5	.00
7	291.00	.22	4.7	250.00	.21	4.6	41.00	.24	6.0	.00
8	222.00	.16	3.6	182.00	.16	3.3	39.70	.23	5.8	.00
9	241.00	.18	3.9	201.00	.17	3.7	39.60	.23	5.8	.00
10	275.00	.20	4.4	233.00	.20	4.2	42.40	.24	6.2	.00
11	306.00	.23	4.9	260.00	.22	4.7	45.60	.26	6.7	.00
12	337.00	.25	5.4	290.00	.25	5.3	47.00	.27	6.9	.00
Area	1349.00			1175.00			174.30			
Relief	4000.00			-9999.00			-9999.00			
Slope	5.89			6.16			4.09			
Aspect	188.00			193.00			157.00			
Elevation	5350.00			5450.00			4680.00			
MAP	22.90			23.60			18.40			
Jan Prec	2.70			2.72			2.51			
Jul Prec	.63			.66			.41			
Jul Min T	43.20			43.30			42.10			
Jan Max T	38.90			38.80			39.60			
Soil Perm	5.31			5.79			2.04			
Yield	22.66			22.50			24.05			

Stream: WHISKY CR > SPRAGUE R - AT MOUTH
 WAB ID #: 31420206 # WABS ABOVE: 0

MO	WAB ID # 31420206			Sum Upstream WABs			Flow	Difference		Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	
1	27.80	.68	8.9	.00	.00	.0	.00	.00	.0	.00
2	29.20	.71	9.4	.00	.00	.0	.00	.00	.0	.00
3	29.80	.73	9.6	.00	.00	.0	.00	.00	.0	.00
4	31.10	.76	10.0	.00	.00	.0	.00	.00	.0	.00
5	33.80	.83	10.8	.00	.00	.0	.00	.00	.0	.00
6	29.20	.71	9.4	.00	.00	.0	.00	.00	.0	.00
7	21.70	.53	7.0	.00	.00	.0	.00	.00	.0	.00
8	19.50	.48	6.3	.00	.00	.0	.00	.00	.0	.00
9	19.40	.47	6.2	.00	.00	.0	.00	.00	.0	.00
10	20.10	.49	6.4	.00	.00	.0	.00	.00	.0	.00
11	23.10	.57	7.4	.00	.00	.0	.00	.00	.0	.00
12	26.90	.66	8.6	.00	.00	.0	.00	.00	.0	.00
Area	40.88			.00				.00		
Relief	2800.00			.00				.00		
Slope	6.94			.00				.00		
Aspect	177.00			.00				.00		
Elevation	4930.00			.00				.00		
MAP	19.10			.00				.00		
Jan Prec	2.58			.00				.00		
Jul Prec	.45			.00				.00		
Jul Min T	44.50			.00				.00		
Jan Max T	40.00			.00				.00		
Soil Perm	1.51			.00				.00		
Yield	45.24			.00				.00		

Stream: SYCAN R > SPRAGUE R - AT MOUTH
WAB ID #: 70823 # WABS ABOVE: 3
Streams Above: 1 SNAKE CR > SYCAN R - AT MOUTH
2 BLUE CR > SYCAN R - AT MOUTH
3 SYCAN R > SPRAGUE R - AB BLUE CR

MO	WAB ID #	70823		Sum Upstream WABS			Flow	Difference		Difference With 50% Flow
		Flow	CSM % Ann	Flow	CSM % Ann	Flow		CSM % Ann		
1*	70.80	.13	4.3	73.00	.13	4.7	-2.23	-.13	-2.2	.00
2	106.00	.19	6.4	98.00	.18	6.3	8.05	.45	7.8	.00
3	237.00	.42	14.2	172.00	.31	11.0	65.30	3.66	63.6	.00
4*	379.00	.67	22.7	398.00	.73	25.5	-19.40	-1.09	-18.9	.00
5	447.00	.79	26.8	440.00	.81	28.1	6.78	.38	6.6	.00
6	153.00	.27	9.2	148.00	.27	9.5	4.70	.26	4.6	.00
7	45.30	.08	2.7	40.50	.07	2.6	4.85	.27	4.7	.00
8	30.80	.05	1.9	25.80	.05	1.6	4.99	.28	4.9	.00
9	35.00	.06	2.1	28.80	.05	1.8	6.21	.35	6.1	.00
10	41.50	.07	2.5	34.60	.06	2.2	6.87	.39	6.7	.00
11	57.30	.10	3.4	43.90	.08	2.8	13.40	.75	13.1	.00
12	65.10	.12	3.9	62.00	.11	4.0	3.07	.17	3.0	.00
Area	563.20			545.40					17.82	
Relief	3600.00			-9999.00					-9999.00	
Slope	4.85			4.85					4.76	
Aspect	193.00			194.00					172.00	
Elevation	5550.00			5580.00					4580.00	
MAP	25.20			25.40					17.80	
Jan Prec	2.87			2.88					2.49	
Jul Prec	.73			.74					.38	
Jul Min T	42.60			42.60					42.30	
Jan Max T	38.30			38.20					39.60	
Soil Perm	8.34			8.56					1.71	
Yield	13.31			12.78					36.52	

Stream: SNAKE CR > SYCAN R - AT MOUTH
 WAB ID #: 31420208 # WABS ABOVE: 0

MO	WAB ID # 31420208			Sum Upstream WABs			Flow	Difference		Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	
1	8.19	.32	9.8	.00	.00	.0	.00	.00	.0	.00
2	8.87	.35	10.6	.00	.00	.0	.00	.00	.0	.00
3	8.81	.34	10.5	.00	.00	.0	.00	.00	.0	.00
4	9.74	.38	11.7	.00	.00	.0	.00	.00	.0	.00
5	11.90	.46	14.2	.00	.00	.0	.00	.00	.0	.00
6	9.12	.36	10.9	.00	.00	.0	.00	.00	.0	.00
7	4.45	.17	5.3	.00	.00	.0	.00	.00	.0	.00
8	3.03	.12	3.6	.00	.00	.0	.00	.00	.0	.00
9	3.07	.12	3.7	.00	.00	.0	.00	.00	.0	.00
10	3.49	.14	4.2	.00	.00	.0	.00	.00	.0	.00
11	5.30	.21	6.3	.00	.00	.0	.00	.00	.0	.00
12	7.63	.30	9.1	.00	.00	.0	.00	.00	.0	.00
Area	25.67			.00				.00		
Relief	1800.00			.00				.00		
Slope	10.30			.00				.00		
Aspect	191.00			.00				.00		
Elevation	4880.00			.00				.00		
MAP	19.30			.00				.00		
Jan Prec	2.55			.00				.00		
Jul Prec	.47			.00				.00		
Jul Min T	42.90			.00				.00		
Jan Max T	39.60			.00				.00		
Soil Perm	2.98			.00				.00		
Yield	19.14			.00				.00		

Stream: BLUE CR > SYCAN R - AT MOUTH
 WAB ID #: 31420209 # WABS ABOVE: 0

MO	WAB ID # 31420209			Sum Upstream WABs			Flow	Difference		Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	
1	6.44	.39	9.8	.00	.00	.0	.00	.00	.0	.00
2	6.98	.43	10.6	.00	.00	.0	.00	.00	.0	.00
3	6.93	.42	10.5	.00	.00	.0	.00	.00	.0	.00
4	7.66	.47	11.7	.00	.00	.0	.00	.00	.0	.00
5	9.32	.57	14.2	.00	.00	.0	.00	.00	.0	.00
6	7.18	.44	10.9	.00	.00	.0	.00	.00	.0	.00
7	3.50	.21	5.3	.00	.00	.0	.00	.00	.0	.00
8	2.38	.14	3.6	.00	.00	.0	.00	.00	.0	.00
9	2.42	.15	3.7	.00	.00	.0	.00	.00	.0	.00
10	2.74	.17	4.2	.00	.00	.0	.00	.00	.0	.00
11	4.17	.25	6.3	.00	.00	.0	.00	.00	.0	.00
12	6.00	.37	9.1	.00	.00	.0	.00	.00	.0	.00
Area		16.42			.00			.00		
Relief		1800.00			.00			.00		
Slope		7.80			.00			.00		
Aspect		219.00			.00			.00		
Elevation		5120.00			.00			.00		
MAP		22.30			.00			.00		
Jan Prec		2.75			.00			.00		
Jul Prec		.62			.00			.00		
Jul Min T		41.80			.00			.00		
Jan Max T		39.60			.00			.00		
Soil Perm		4.38			.00			.00		
Yield		20.33			.00			.00		

Stream: SYCAN R > SPRAGUE R - AB BLUE CR
WAB ID #: 31420269 # WABS ABOVE: 1
Streams Above: 1 SYCAN R > SPRAGUE R - AT NF BOUNDARY (34S 12E 31 SWSE)

MO	WAB ID # 31420269			Sum Upstream WABs			Flow	Difference		
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	With 50% Flow
1	58.40	.12	4.1	58.40	.12	4.1	.00	.00	.0	.00
2	82.10	.16	5.8	82.00	.16	5.8	.10	.17	100.0	.00
3	156.00	.31	11.0	156.00	.31	11.0	.00	.00	.0	.00
4	381.00	.76	26.9	381.00	.76	26.9	.00	.00	.0	.00
5	419.00	.83	29.6	419.00	.83	29.6	.00	.00	.0	.00
6	132.00	.26	9.3	132.00	.26	9.3	.00	.00	.0	.00
7	32.50	.06	2.3	32.50	.06	2.3	.00	.00	.0	.00
8	20.40	.04	1.4	20.40	.04	1.4	.00	.00	.0	.00
9	23.30	.05	1.6	23.30	.05	1.6	.00	.00	.0	.00
10	28.40	.06	2.0	28.40	.06	2.0	.00	.00	.0	.00
11	34.40	.07	2.4	34.40	.07	2.4	.00	.00	.0	.00
12	48.40	.10	3.4	48.40	.10	3.4	.00	.00	.0	.00

Area	503.30			502.70				.58		
Relief	3400.00			3400.00				-9999.00		
Slope	4.48			4.48				4.48		
Aspect	193.00			193.00				166.00		
Elevation	5630.00			5630.00				4690.00		
MAP	25.80			25.80				21.50		
Jan Prec	2.90			2.90				2.90		
Jul Prec	.76			.76				.76		
Jul Min T	42.60			42.60				41.80		
Jan Max T	38.10			38.10				39.80		
Soil Perm	8.98			8.99				2.08		
Yield	12.32			12.33				.90		

Stream: SYCAN R > SPRAGUE R - AT NF BOUNDARY (34S 12E 31 SWSE)
WAB ID #: 31420257 # WABS ABOVE: 1
Streams Above: 1 SYCAN R > SPRAGUE R - AT TEDDY POWERS MEADOW

MO	WAB ID # 31420257			Sum Upstream WABS			Flow	Difference		Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	
1	58.40	.12	4.1	57.60	.12	4.1	.80	.04	4.5	.00
2	82.00	.16	5.8	80.90	.17	5.8	1.10	.06	6.2	.00
3	156.00	.31	11.0	152.00	.31	10.9	4.00	.21	22.3	.00
4	381.00	.76	26.9	376.00	.78	26.9	5.00	.27	27.9	.00
5	419.00	.83	29.6	414.00	.86	29.6	5.00	.27	27.9	.00
6	132.00	.26	9.3	131.00	.27	9.4	1.00	.05	5.6	.00
7	32.50	.06	2.3	32.30	.07	2.3	.20	.01	1.1	.00
8	20.40	.04	1.4	20.40	.04	1.5	.00	.00	.0	.00
9	23.30	.05	1.6	23.30	.05	1.7	.00	.00	.0	.00
10	28.40	.06	2.0	28.30	.06	2.0	.10	.01	.6	.00
11	34.40	.07	2.4	34.10	.07	2.4	.30	.02	1.7	.00
12	48.40	.10	3.4	48.00	.10	3.4	.40	.02	2.2	.00
Area	502.70			483.90				18.79		
Relief	3400.00			3200.00				-9999.00		
Slope	4.48			4.43				5.58		
Aspect	193.00			195.00				155.00		
Elevation	5630.00			5660.00				5030.00		
MAP	25.80			26.00				22.20		
Jan Prec	2.90			2.90				2.74		
Jul Prec	.76			.76				.65		
Jul Min T	42.60			42.70				40.60		
Jan Max T	38.10			38.10				39.50		
Soil Perm	8.99			9.06				7.06		
Yield	12.33			12.58				4.85		

Stream: SYCAN R > SPRAGUE R - AT TEDDY POWERS MEADOW
WAB ID #: 31420237 # WABS ABOVE: 1
Streams Above: 1 SYCAN R > SPRAGUE R - AB UNN STR AT RM 23

MO	WAB ID # 31420237			Sum Upstream WABs			Difference			Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann	Flow	CSM	% Ann	
1	57.60	.12	4.1	55.50	.13	4.1	2.10	.05	4.4	.00
2	80.90	.17	5.8	77.60	.18	5.8	3.30	.08	6.9	.00
3	152.00	.31	10.9	140.00	.32	10.4	12.00	.29	25.1	.00
4	376.00	.78	26.9	360.00	.81	26.7	16.00	.39	33.4	.00
5	414.00	.86	29.6	404.00	.91	29.9	10.00	.24	20.9	.00
6	131.00	.27	9.4	129.00	.29	9.6	2.00	.05	4.2	.00
7	32.30	.07	2.3	31.90	.07	2.4	.40	.01	.8	.00
8	20.40	.04	1.5	20.40	.05	1.5	.00	.00	.0	.00
9	23.30	.05	1.7	23.20	.05	1.7	.10	.00	.2	.00
10	28.30	.06	2.0	28.00	.06	2.1	.30	.01	.6	.00
11	34.10	.07	2.4	33.40	.08	2.5	.70	.02	1.5	.00
12	48.00	.10	3.4	47.00	.11	3.5	1.00	.02	2.1	.00

Area	483.90			442.50			41.39			
Relief	3200.00			3000.00			-9999.00			
Slope	4.43			4.48			3.93			
Aspect	195.00			197.00			170.00			
Elevation	5660.00			5700.00			5190.00			
MAP	26.00			26.20			23.50			
Jan Prec	2.90			2.91			2.81			
Jul Prec	.76			.77			.72			
Jul Min T	42.70			42.90			40.30			
Jan Max T	38.10			37.90			39.50			
Soil Perm	9.06			8.90			10.90			
Yield	12.58			13.17			5.58			

Stream: SYCAN R > SPRAGUE R - AB UNN STR AT RM 23
WAB ID #: 70822 # WABS ABOVE: 1
Streams Above: 1 SYCAN R > SPRAGUE R - AT TORRENT SPRING

MO	WAB ID #	70822		Sum Upstream WABS			Flow	Difference		Difference With 50% Flow
		Flow	CSM % Ann	Flow	CSM % Ann	Flow		CSM % Ann		
1	55.50	.13	4.1	44.70	.10	3.7	10.80	2.91	8.3	.00
2	77.60	.18	5.8	66.30	.15	5.4	11.30	3.04	8.6	.00
3	140.00	.32	10.4	128.00	.29	10.5	12.00	3.23	9.2	.00
4	360.00	.81	26.7	348.00	.79	28.5	12.00	3.23	9.2	.00
5	404.00	.91	29.9	392.00	.89	32.2	12.00	3.23	9.2	.00
6	129.00	.29	9.6	118.00	.27	9.7	11.00	2.96	8.4	.00
7	31.90	.07	2.4	21.50	.05	1.8	10.40	2.80	7.9	.00
8	20.40	.05	1.5	10.20	.02	.8	10.20	2.74	7.8	.00
9	23.20	.05	1.7	13.00	.03	1.1	10.20	2.74	7.8	.00
10	28.00	.06	2.1	17.80	.04	1.5	10.20	2.74	7.8	.00
11	33.40	.08	2.5	23.10	.05	1.9	10.30	2.77	7.9	.00
12	47.00	.11	3.5	36.50	.08	3.0	10.50	2.82	8.0	.00
Area	442.50			438.80				3.72		
Relief	3000.00			3000.00				-9999.00		
Slope	4.48			4.50				2.59		
Aspect	197.00			197.00				192.00		
Elevation	5700.00			5710.00				5070.00		
MAP	26.20			26.30				22.80		
Jan Prec	2.91			2.92				2.68		
Jul Prec	.77			.77				.65		
Jul Min T	42.90			43.00				40.10		
Jan Max T	37.90			37.90				39.60		
Soil Perm	8.90			8.88				11.40		
Yield	13.17			11.98				174.85		

Stream: SYCAN R > SPRAGUE R - AT TORRENT SPRING

WAB ID #: 31420238 # WABS ABOVE: 4

Streams Above: 1 UNN STR > SYCAN R - AT MOUTH
 2 UNN STR > SYCAN R - AT MOUTH
 3 MERRITT CR > SYCAN R - AT MOUTH
 4 SYCAN R > SPRAGUE R - AB MERRIT CR

MO	WAB ID # 31420238			Sum Upstream WABs			Difference			Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann	Flow	CSM	% Ann	
1	44.70	.10	3.7	44.60	.10	3.7	.15	.03	2.4	.00
2	66.30	.15	5.4	66.00	.15	5.4	.30	.05	4.8	.00
3	128.00	.29	10.5	127.00	.29	10.5	.68	.12	10.8	.00
4	348.00	.79	28.5	346.00	.80	28.5	1.92	.32	30.5	.00
5	392.00	.89	32.2	390.00	.90	32.1	2.47	.42	39.3	.00
6	118.00	.27	9.7	118.00	.27	9.7	.36	.06	5.7	.00
7	21.50	.05	1.8	21.40	.05	1.8	.11	.02	1.8	.00
8	10.20	.02	.8	10.20	.02	.8	.00	.00	.0	.00
9	13.00	.03	1.1	12.90	.03	1.1	.07	.01	1.1	.00
10	17.80	.04	1.5	17.70	.04	1.5	.09	.02	1.4	.00
11	23.10	.05	1.9	23.00	.05	1.9	.09	.02	1.4	.00
12	36.50	.08	3.0	36.50	.08	3.0	.05	.01	.8	.00
Area	438.80			432.90					5.91	
Relief	3000.00			-9999.00					-9999.00	
Slope	4.50			4.54					1.45	
Aspect	197.00			197.00					182.00	
Elevation	5710.00			5720.00					5060.00	
MAP	26.30			26.30					22.40	
Jan Prec	2.92			2.92					2.79	
Jul Prec	.77			.77					.67	
Jul Min T	43.00			43.00					40.90	
Jan Max T	37.90			37.90					39.60	
Soil Perm	8.88			8.86					10.10	
Yield	11.98			12.06					5.37	

Stream: UNN STR > SYCAN R - AT MOUTH
WAB ID #: 31420210 # WABS ABOVE: 0

MO	WAB ID # 31420210			Sum Upstream WABs			Flow	Difference		
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	With 50% Flow
1	.65	.04	3.6	.00	.00	.0	.00	.00	.0	.00
2	1.14	.07	6.3	.00	.00	.0	.00	.00	.0	.00
3	4.69	.29	25.9	.00	.00	.0	.00	.00	.0	.00
4	6.90	.42	38.1	.00	.00	.0	.00	.00	.0	.00
5	3.57	.22	19.7	.00	.00	.0	.00	.00	.0	.00
6	.44	.03	2.4	.00	.00	.0	.00	.00	.0	.00
7	.10	.01	.6	.00	.00	.0	.00	.00	.0	.00
8	.00	.00	.0	.00	.00	.0	.00	.00	.0	.00
9	.03	.00	.2	.00	.00	.0	.00	.00	.0	.00
10	.08	.00	.4	.00	.00	.0	.00	.00	.0	.00
11	.20	.01	1.1	.00	.00	.0	.00	.00	.0	.00
12	.30	.02	1.7	.00	.00	.0	.00	.00	.0	.00
Area		16.41			.00			.00		
Relief		1000.00			.00			.00		
Slope		3.09			.00			.00		
Aspect		154.00			.00			.00		
Elevation		5350.00			.00			.00		
MAP		25.40			.00			.00		
Jan Prec		2.88			.00			.00		
Jul Prec		.78			.00			.00		
Jul Min T		40.90			.00			.00		
Jan Max T		38.80			.00			.00		
Soil Perm		11.30			.00			.00		
Yield		4.92			.00			.00		

Stream: UNN STR > SYCAN R - AT MOUTH
WAB ID #: 31420211 # WABS ABOVE: 0

MO	WAB ID # 31420211			Sum Upstream WABs			Flow	Difference		Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	
1	.58	.04	3.7	.00	.00	.0	.00	.00	.0	.00
2	.95	.06	6.1	.00	.00	.0	.00	.00	.0	.00
3	3.83	.25	24.5	.00	.00	.0	.00	.00	.0	.00
4	5.68	.37	36.3	.00	.00	.0	.00	.00	.0	.00
5	3.46	.22	22.1	.00	.00	.0	.00	.00	.0	.00
6	.45	.03	2.9	.00	.00	.0	.00	.00	.0	.00
7	.10	.01	.6	.00	.00	.0	.00	.00	.0	.00
8	.00	.00	.0	.00	.00	.0	.00	.00	.0	.00
9	.03	.00	.2	.00	.00	.0	.00	.00	.0	.00
10	.08	.01	.5	.00	.00	.0	.00	.00	.0	.00
11	.20	.01	1.3	.00	.00	.0	.00	.00	.0	.00
12	.28	.02	1.8	.00	.00	.0	.00	.00	.0	.00
Area	15.42			.00				.00		
Relief	1300.00			.00				.00		
Slope	4.28			.00				.00		
Aspect	152.00			.00				.00		
Elevation	5290.00			.00				.00		
MAP	24.20			.00				.00		
Jan Prec	2.79			.00				.00		
Jul Prec	.69			.00				.00		
Jul Min T	42.60			.00				.00		
Jan Max T	39.60			.00				.00		
Soil Perm	7.35			.00				.00		
Yield	4.75			.00				.00		

Stream: MERRITT CR > SYCAN R - AT MOUTH
 WAB ID #: 31420212 # WABS ABOVE: 0

MO	WAB ID # 31420212			Sum Upstream WABs			Flow	Difference		
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	With 50% Flow
1	2.82	.05	3.5	.00	.00	.0	.00	.00	.0	.00
2	4.21	.08	5.2	.00	.00	.0	.00	.00	.0	.00
3	14.80	.28	18.2	.00	.00	.0	.00	.00	.0	.00
4	26.50	.50	32.6	.00	.00	.0	.00	.00	.0	.00
5	25.50	.48	31.3	.00	.00	.0	.00	.00	.0	.00
6	3.75	.07	4.6	.00	.00	.0	.00	.00	.0	.00
7	.69	.01	.8	.00	.00	.0	.00	.00	.0	.00
8	.00	.00	.0	.00	.00	.0	.00	.00	.0	.00
9	.17	.00	.2	.00	.00	.0	.00	.00	.0	.00
10	.45	.01	.6	.00	.00	.0	.00	.00	.0	.00
11	1.01	.02	1.2	.00	.00	.0	.00	.00	.0	.00
12	1.47	.03	1.8	.00	.00	.0	.00	.00	.0	.00
Area		53.49			.00			.00		
Relief		2200.00			.00			.00		
Slope		4.13			.00			.00		
Aspect		214.00			.00			.00		
Elevation		5460.00			.00			.00		
MAP		23.90			.00			.00		
Jan Prec		2.74			.00			.00		
Jul Prec		.70			.00			.00		
Jul Min T		42.80			.00			.00		
Jan Max T		39.50			.00			.00		
Soil Perm		8.22			.00			.00		
Yield		7.22			.00			.00		

Stream: SYCAN R > SPRAGUE R - AB MERRIT CR
WAB ID #: 31420239 # WABS ABOVE: 2
Streams Above: 1 UNN STR > SYCAN R - AT MOUTH
2 SYCAN R > SPRAGUE R - AT SYCAN MARSH OUTLET

MO	WAB ID # 31420239			Sum Upstream WABs			Difference			Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann	Flow	CSM	% Ann	
1	40.50	.12	3.7	40.10	.12	3.7	.43	.04	4.2	.00
2	59.70	.17	5.4	58.80	.17	5.4	.86	.09	8.3	.00
3	104.00	.30	9.5	101.00	.30	9.3	3.39	.34	32.8	.00
4	307.00	.88	28.0	303.00	.90	27.8	4.50	.45	43.5	.00
5	357.00	1.03	32.5	356.00	1.05	32.7	1.05	.11	10.1	.00
6	113.00	.33	10.3	113.00	.34	10.4	-.34	-.03	-3.3	.00
7	20.50	.06	1.9	20.50	.06	1.9	.02	.00	.2	.00
8	10.20	.03	.9	10.20	.03	.9	.00	.00	.0	.00
9	12.70	.04	1.2	12.70	.04	1.2	-.02	.00	-.2	.00
10	17.10	.05	1.6	17.10	.05	1.6	.03	.00	.3	.00
11	21.60	.06	2.0	21.40	.06	2.0	.15	.02	1.5	.00
12	34.40	.10	3.1	34.10	.10	3.1	.28	.03	2.7	.00
Area	347.60			337.60			10.00			
Relief	3000.00			-9999.00			-9999.00			
Slope	4.68			4.70			4.03			
Aspect	199.00			199.00			193.00			
Elevation	5790.00			5810.00			5170.00			
MAP	26.80			26.90			22.80			
Jan Prec	2.95			2.96			2.69			
Jul Prec	.78			.79			.66			
Jul Min T	43.10			43.20			41.40			
Jan Max T	37.50			37.50			39.60			
Soil Perm	8.91			8.94			7.87			
Yield	13.33			13.54			5.13			

Stream: UNN STR > SYCAN R - AT MOUTH
 WAB ID #: 31420213 # WABS ABOVE: 0

MO	WAB ID # 31420213			Sum Upstream WABS			Flow	Difference		
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	With 50% Flow
1	.47	.04	3.3	.00	.00	.0	.00	.00	.0	.00
2	.84	.07	5.9	.00	.00	.0	.00	.00	.0	.00
3	3.61	.29	25.3	.00	.00	.0	.00	.00	.0	.00
4	5.50	.45	38.6	.00	.00	.0	.00	.00	.0	.00
5	2.95	.24	20.7	.00	.00	.0	.00	.00	.0	.00
6	.34	.03	2.4	.00	.00	.0	.00	.00	.0	.00
7	.08	.01	.6	.00	.00	.0	.00	.00	.0	.00
8	.00	.00	.0	.00	.00	.0	.00	.00	.0	.00
9	.02	.00	.1	.00	.00	.0	.00	.00	.0	.00
10	.07	.01	.5	.00	.00	.0	.00	.00	.0	.00
11	.15	.01	1.0	.00	.00	.0	.00	.00	.0	.00
12	.22	.02	1.5	.00	.00	.0	.00	.00	.0	.00
Area		12.34			.00			.00		
Relief		997.00			.00			.00		
Slope		2.73			.00			.00		
Aspect		155.00			.00			.00		
Elevation		5380.00			.00			.00		
MAP		26.60			.00			.00		
Jan Prec		2.98			.00			.00		
Jul Prec		.78			.00			.00		
Jul Min T		41.70			.00			.00		
Jan Max T		38.90			.00			.00		
Soil Perm		11.30			.00			.00		
Yield		4.92			.00			.00		

Stream: SYCAN R > SPRAGUE R - AT SYCAN MARSH OUTLET
WAB ID #: 70821 # WABS ABOVE: 7
Streams Above: 1 DRY CR > SYCAN R - AT MOUTH
2 LONG CR > SYCAN R - AT MOUTH
3 COYOTE CR > SYCAN R - AT MOUTH
4 SHAKE CR > SYCAN R - AT MOUTH
5 CHOCKTOOT CR > SYCAN R - AT MOUTH
6 UNN STR > SYCAN R - AT MOUTH
7 SYCAN R > SPRAGUE R - AB SYCAN MARSH

MO	WAB ID #	70821		Sum Upstream WABs			Flow	Difference		Difference With 50% Flow
		Flow	CSM % Ann	Flow	CSM % Ann	Flow		CSM % Ann		
1*	39.60	.12	3.7	43.10	.18	4.0	-3.52	-.04	52.8	.00
2*	58.00	.18	5.4	68.30	.29	6.3	-10.30	-.12	154.0	.00
3*	97.00	.30	9.0	112.00	.47	10.4	-15.40	-.17	231.0	.00
4	297.00	.91	27.7	254.00	1.07	23.6	42.60	.48	-639.0	.00
5	353.00	1.09	32.9	314.00	1.33	29.1	38.60	.44	-579.0	.00
6*	113.00	.35	10.5	114.00	.48	10.6	-1.29	-.01	19.3	.00
7*	20.40	.06	1.9	35.90	.15	3.3	-15.50	-.18	233.0	.00
8*	10.20	.03	1.0	23.10	.10	2.1	-12.90	-.15	194.0	.00
9*	12.70	.04	1.2	22.60	.10	2.1	-9.90	-.11	148.0	.00
10*	17.00	.05	1.6	25.60	.11	2.4	-8.61	-.10	129.0	.00
11*	21.30	.07	2.0	30.40	.13	2.8	-9.13	-.10	137.0	.00
12*	33.90	.10	3.2	35.20	.15	3.3	-1.33	-.02	19.9	.00
Area	325.20			237.20					88.01	
Relief	3000.00			-9999.00					-9999.00	
Slope	4.78			5.81					1.99	
Aspect	200.00			205.00					188.00	
Elevation	5830.00			6100.00					5100.00	
MAP	26.90			28.80					22.10	
Jan Prec	2.96			3.11					2.56	
Jul Prec	.79			.83					.66	
Jul Min T	43.30			43.50					42.60	
Jan Max T	37.40			36.70					39.40	
Soil Perm	8.85			10.10					5.54	
Yield	13.86			17.92					-.39	

Stream: DRY CR > SYCAN R - AT MOUTH
WAB ID #: 31420214 # WABS ABOVE: 0

MO	WAB ID # 31420214			Sum Upstream WABS			Difference			Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann	Flow	CSM	% Ann	
1	.40	.03	3.5	.00	.00	.0	.00	.00	.0	.00
2	.66	.06	5.8	.00	.00	.0	.00	.00	.0	.00
3	2.86	.25	25.0	.00	.00	.0	.00	.00	.0	.00
4	4.57	.40	39.9	.00	.00	.0	.00	.00	.0	.00
5	2.19	.19	19.1	.00	.00	.0	.00	.00	.0	.00
6	.25	.02	2.2	.00	.00	.0	.00	.00	.0	.00
7	.07	.01	.6	.00	.00	.0	.00	.00	.0	.00
8	.00	.00	.0	.00	.00	.0	.00	.00	.0	.00
9	.02	.00	.2	.00	.00	.0	.00	.00	.0	.00
10	.07	.01	.6	.00	.00	.0	.00	.00	.0	.00
11	.17	.01	1.5	.00	.00	.0	.00	.00	.0	.00
12	.19	.02	1.7	.00	.00	.0	.00	.00	.0	.00
Area		11.56			.00			.00		
Relief		951.00			.00			.00		
Slope		4.08			.00			.00		
Aspect		110.00			.00			.00		
Elevation		5420.00			.00			.00		
MAP		27.70			.00			.00		
Jan Prec		3.09			.00			.00		
Jul Prec		.79			.00			.00		
Jul Min T		42.70			.00			.00		
Jan Max T		38.50			.00			.00		
Soil Perm		11.00			.00			.00		
Yield		4.05			.00			.00		

Stream: LONG CR > SYCAN R - AT MOUTH
WAB ID #: 31420215 # WABS ABOVE: 2
Streams Above: 1 CALAHAN CR > SYCAN R - AT MOUTH
2 LONG CR > SYCAN R - AT NF BOUNDARY (31S 12E 5 SWSE)

MO	WAB ID # 31420215			Sum Upstream WABS			Difference			Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann	Flow	CSM	% Ann	
1	23.70	.57	6.0	9.76	.86	4.7	13.90	.46	7.6	.00
2	27.70	.67	7.1	9.62	.85	4.6	18.10	.60	9.8	.00
3	39.40	.95	10.0	10.70	.94	5.1	28.80	.95	15.6	.00
4	66.30	1.60	16.9	17.10	1.51	8.2	49.20	1.63	26.7	.00
5	84.30	2.03	21.5	46.40	4.10	22.3	37.90	1.26	20.6	.00
6	48.90	1.18	12.5	43.40	3.83	20.8	5.55	.18	3.0	.00
7	18.70	.45	4.8	17.10	1.51	8.2	1.57	.05	.9	.00
8	13.30	.32	3.4	11.80	1.04	5.7	1.48	.05	.8	.00
9	14.10	.34	3.6	10.50	.92	5.0	3.64	.12	2.0	.00
10	16.40	.40	4.2	11.30	1.00	5.4	5.08	.17	2.8	.00
11	18.60	.45	4.7	10.50	.92	5.0	8.15	.27	4.4	.00
12	20.80	.50	5.3	9.94	.88	4.8	10.90	.36	5.9	.00
Area	41.44			11.32			30.12			
Relief	2930.00			-9999.00			-9999.00			
Slope	8.99			10.60			8.39			
Aspect	147.00			167.00			140.00			
Elevation	6060.00			6670.00			5830.00			
MAP	33.90			38.50			32.20			
Jan Prec	3.49			3.87			3.35			
Jul Prec	.93			1.01			.90			
Jul Min T	42.60			42.30			42.70			
Jan Max T	36.80			35.60			37.30			
Soil Perm	13.60			14.90			13.20			
Yield	31.58			53.99			21.50			

Stream: CALAHAN CR > SYCAN R - AT MOUTH
WAB ID #: 31420241 # WABS ABOVE: 0

MO	WAB ID # 31420241			Sum Upstream WABs			Flow	Difference		
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	With 50% Flow
1	3.75	.65	6.4	.00	.00	.0	.00	.00	.0	.00
2	4.11	.71	7.0	.00	.00	.0	.00	.00	.0	.00
3	5.87	1.02	10.0	.00	.00	.0	.00	.00	.0	.00
4	10.80	1.87	18.4	.00	.00	.0	.00	.00	.0	.00
5	16.70	2.89	28.5	.00	.00	.0	.00	.00	.0	.00
6	4.35	.75	7.4	.00	.00	.0	.00	.00	.0	.00
7	2.53	.44	4.3	.00	.00	.0	.00	.00	.0	.00
8	1.32	.23	2.3	.00	.00	.0	.00	.00	.0	.00
9	1.92	.33	3.3	.00	.00	.0	.00	.00	.0	.00
10	2.01	.35	3.4	.00	.00	.0	.00	.00	.0	.00
11	2.39	.41	4.1	.00	.00	.0	.00	.00	.0	.00
12	2.85	.49	4.9	.00	.00	.0	.00	.00	.0	.00
Area		5.77			.00			.00		
Relief		2160.00			.00			.00		
Slope		6.60			.00			.00		
Aspect		168.00			.00			.00		
Elevation		6160.00			.00			.00		
MAP		36.30			.00			.00		
Jan Prec		3.75			.00			.00		
Jul Prec		.96			.00			.00		
Jul Min T		42.70			.00			.00		
Jan Max T		36.70			.00			.00		
Soil Perm		13.70			.00			.00		
Yield		31.63			.00			.00		

Stream: LONG CR > SYCAN R - AT NF BOUNDARY (30S 12E 32 SESE)
WAB ID #: 31420227 # WABS ABOVE: 0

MO	WAB ID # 31420227			Sum Upstream WABs			Flow	Difference		Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	
1	2.41	1.24	6.6	.00	.00	.0	.00	.00	.0	.00
2	2.22	1.14	6.1	.00	.00	.0	.00	.00	.0	.00
3	1.99	1.02	5.5	.00	.00	.0	.00	.00	.0	.00
4	2.44	1.25	6.7	.00	.00	.0	.00	.00	.0	.00
5	5.46	2.80	15.0	.00	.00	.0	.00	.00	.0	.00
6	7.06	3.62	19.4	.00	.00	.0	.00	.00	.0	.00
7	2.42	1.24	6.7	.00	.00	.0	.00	.00	.0	.00
8	2.06	1.06	5.7	.00	.00	.0	.00	.00	.0	.00
9	2.32	1.19	6.4	.00	.00	.0	.00	.00	.0	.00
10	2.38	1.22	6.6	.00	.00	.0	.00	.00	.0	.00
11	2.74	1.41	7.5	.00	.00	.0	.00	.00	.0	.00
12	2.83	1.45	7.8	.00	.00	.0	.00	.00	.0	.00
Area	1.95			.00				.00		
Relief	886.00			.00				.00		
Slope	13.90			.00				.00		
Aspect	196.00			.00				.00		
Elevation	7330.00			.00				.00		
MAP	41.00			.00				.00		
Jan Prec	4.05			.00				.00		
Jul Prec	1.08			.00				.00		
Jul Min T	42.00			.00				.00		
Jan Max T	34.40			.00				.00		
Soil Perm	16.10			.00				.00		
Yield	51.39			.00				.00		

Stream: LONG CR > SYCAN R - AT NF BOUNDARY (31S 12E 5 SWSE)
WAB ID #: 31420253 # WABS ABOVE: 1
Streams Above: 1 LONG CR > SYCAN R - AT NF BOUNDARY (30S 12E 32 SES)

MO	WAB ID # 31420253			Sum Upstream WABs			Flow	Difference		
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	With 50% Flow
1	6.01	1.08	4.0	2.41	1.24	6.6	3.60	1.00	3.2	.00
2	5.51	.99	3.7	2.22	1.14	6.1	3.29	.92	2.9	.00
3	4.78	.86	3.2	1.99	1.02	5.5	2.79	.78	2.5	.00
4	6.27	1.13	4.2	2.44	1.25	6.7	3.83	1.07	3.4	.00
5	29.70	5.36	19.9	5.46	2.80	15.0	24.20	6.75	21.4	.00
6	39.00	7.04	26.1	7.06	3.62	19.4	31.90	8.89	28.3	.00
7	14.60	2.63	9.8	2.42	1.24	6.7	12.20	3.39	10.8	.00
8	10.50	1.89	7.0	2.06	1.06	5.7	8.44	2.35	7.5	.00
9	8.54	1.54	5.7	2.32	1.19	6.4	6.22	1.73	5.5	.00
10	9.31	1.68	6.2	2.38	1.22	6.6	6.93	1.93	6.1	.00
11	8.06	1.45	5.4	2.74	1.41	7.5	5.32	1.48	4.7	.00
12	7.09	1.28	4.8	2.83	1.45	7.8	4.26	1.19	3.8	.00
Area		5.54			1.95				3.59	
Relief		1780.00			886.00				-9999.00	
Slope		14.70			13.90				15.20	
Aspect		165.00			196.00				148.00	
Elevation		7200.00			7330.00				7130.00	
MAP		40.80			41.00				40.70	
Jan Prec		3.99			4.05				3.95	
Jul Prec		1.06			1.08				1.05	
Jul Min T		42.00			42.00				42.00	
Jan Max T		34.60			34.40				34.70	
Soil Perm		16.10			16.10				16.10	
Yield		74.71			51.39				87.46	

Stream: COYOTE CR > SYCAN R - AT MOUTH
WAB ID #: 31420216 # WABS ABOVE: 1
Streams Above: 1 COYOTE CR > SYCAN R - AT NF BOUNDARY (31S 13E 27 SWNE)

MO	WAB ID # 31420216			Sum Upstream WABs			Difference			Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann	Flow	CSM	% Ann	
1	2.20	.17	5.9	2.08	.21	6.1	.12	.04	4.1	.00
2	2.86	.22	7.7	2.66	.27	7.8	.20	.06	6.8	.00
3	4.43	.33	12.0	3.60	.36	10.5	.83	.25	28.4	.00
4	9.61	.72	25.9	8.44	.84	24.7	1.17	.36	40.1	.00
5	6.25	.47	16.9	5.79	.58	17.0	.46	.14	15.8	.00
6	4.21	.32	11.4	4.17	.42	12.2	.04	.01	1.4	.00
7	1.46	.11	3.9	1.45	.14	4.3	.01	.00	.3	.00
8	.42	.03	1.1	.42	.04	1.2	.00	.00	.0	.00
9	.91	.07	2.5	.91	.09	2.7	.00	.00	.0	.00
10	1.21	.09	3.3	1.20	.12	3.5	.01	.00	.3	.00
11	1.56	.12	4.2	1.53	.15	4.5	.03	.01	1.0	.00
12	1.94	.15	5.2	1.89	.19	5.5	.05	.02	1.7	.00
Area	13.30			10.01			3.29			
Relief	1430.00			1260.00			-9999.00			
Slope	8.18			9.50			4.17			
Aspect	147.00			149.00			139.00			
Elevation	5570.00			5690.00			5210.00			
MAP	29.80			31.90			23.70			
Jan Prec	3.30			3.50			2.70			
Jul Prec	.81			.86			.69			
Jul Min T	43.30			43.40			42.90			
Jan Max T	38.10			37.80			39.00			
Soil Perm	11.40			11.50			11.20			
Yield	10.58			12.12			4.25			

Stream: COYOTE CR > SYCAN R - AT NF BOUNDARY (31S 13E 27 SWNE)
WAB ID #: 31420252 # WABS ABOVE: 0

MO	WAB ID # 31420252			Sum Upstream WABS			Flow	Difference		
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	With 50% Flow
1	2.08	.21	6.1	.00	.00	.0	.00	.00	.0	.00
2	2.66	.27	7.8	.00	.00	.0	.00	.00	.0	.00
3	3.60	.36	10.5	.00	.00	.0	.00	.00	.0	.00
4	8.44	.84	24.7	.00	.00	.0	.00	.00	.0	.00
5	5.79	.58	17.0	.00	.00	.0	.00	.00	.0	.00
6	4.17	.42	12.2	.00	.00	.0	.00	.00	.0	.00
7	1.45	.14	4.3	.00	.00	.0	.00	.00	.0	.00
8	.42	.04	1.2	.00	.00	.0	.00	.00	.0	.00
9	.91	.09	2.7	.00	.00	.0	.00	.00	.0	.00
10	1.20	.12	3.5	.00	.00	.0	.00	.00	.0	.00
11	1.53	.15	4.5	.00	.00	.0	.00	.00	.0	.00
12	1.89	.19	5.5	.00	.00	.0	.00	.00	.0	.00
Area		10.01			.00			.00		
Relief		1260.00			.00			.00		
Slope		9.50			.00			.00		
Aspect		149.00			.00			.00		
Elevation		5690.00			.00			.00		
MAP		31.90			.00			.00		
Jan Prec		3.50			.00			.00		
Jul Prec		.86			.00			.00		
Jul Min T		43.40			.00			.00		
Jan Max T		37.80			.00			.00		
Soil Perm		11.50			.00			.00		
Yield		12.12			.00			.00		

Stream: SHAKE CR > SYCAN R - AT MOUTH
 WAB ID #: 31420217 # WABS ABOVE: 0

MO	WAB ID # 31420217			Sum Upstream WABs			Flow	Difference		Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	
1	.97	.05	2.9	.00	.00	.0	.00	.00	.0	.00
2	1.57	.07	4.7	.00	.00	.0	.00	.00	.0	.00
3	5.97	.28	17.8	.00	.00	.0	.00	.00	.0	.00
4	11.00	.52	32.7	.00	.00	.0	.00	.00	.0	.00
5	11.40	.54	33.9	.00	.00	.0	.00	.00	.0	.00
6	1.51	.07	4.5	.00	.00	.0	.00	.00	.0	.00
7	.23	.01	.7	.00	.00	.0	.00	.00	.0	.00
8	.00	.00	.0	.00	.00	.0	.00	.00	.0	.00
9	.05	.00	.1	.00	.00	.0	.00	.00	.0	.00
10	.12	.01	.4	.00	.00	.0	.00	.00	.0	.00
11	.28	.01	.8	.00	.00	.0	.00	.00	.0	.00
12	.49	.02	1.5	.00	.00	.0	.00	.00	.0	.00
Area	21.14			.00				.00		
Relief	2130.00			.00				.00		
Slope	3.88			.00				.00		
Aspect	265.00			.00				.00		
Elevation	5530.00			.00				.00		
MAP	23.90			.00				.00		
Jan Prec	2.71			.00				.00		
Jul Prec	.70			.00				.00		
Jul Min T	43.50			.00				.00		
Jan Max T	39.10			.00				.00		
Soil Perm	4.65			.00				.00		
Yield	7.52			.00				.00		

Stream: CHOCKTOOT CR > SYCAN R - AT MOUTH
 WAB ID #: 31420218 # WABS ABOVE: 0

MO	WAB ID # 31420218			Sum Upstream WABS			Difference			Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann	Flow	CSM	% Ann	
1	.04	.00	.4	.00	.00	.0	.00	.00	.0	.00
2	.05	.00	.5	.00	.00	.0	.00	.00	.0	.00
3	.05	.00	.5	.00	.00	.0	.00	.00	.0	.00
4	.20	.01	1.8	.00	.00	.0	.00	.00	.0	.00
5	6.04	.18	54.8	.00	.00	.0	.00	.00	.0	.00
6	4.42	.13	40.1	.00	.00	.0	.00	.00	.0	.00
7	.06	.00	.5	.00	.00	.0	.00	.00	.0	.00
8	.03	.00	.3	.00	.00	.0	.00	.00	.0	.00
9	.03	.00	.3	.00	.00	.0	.00	.00	.0	.00
10	.03	.00	.3	.00	.00	.0	.00	.00	.0	.00
11	.03	.00	.3	.00	.00	.0	.00	.00	.0	.00
12	.04	.00	.4	.00	.00	.0	.00	.00	.0	.00
Area		33.86			.00			.00		
Relief		2240.00			.00			.00		
Slope		4.66			.00			.00		
Aspect		251.00			.00			.00		
Elevation		6130.00			.00			.00		
MAP		28.10			.00			.00		
Jan Prec		3.14			.00			.00		
Jul Prec		.82			.00			.00		
Jul Min T		43.60			.00			.00		
Jan Max T		36.60			.00			.00		
Soil Perm		7.82			.00			.00		
Yield		1.31			.00			.00		

Stream: UNN STR > SYCAN R - AT MOUTH
WAB ID #: 31420219 # WABS ABOVE: 0

MO	WAB ID # 31420219			Sum Upstream WABS			Flow	Difference		Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	
1	.91	.05	2.9	.00	.00	.0	.00	.00	.0	.00
2	1.35	.08	4.3	.00	.00	.0	.00	.00	.0	.00
3	4.87	.29	15.5	.00	.00	.0	.00	.00	.0	.00
4	10.70	.63	34.0	.00	.00	.0	.00	.00	.0	.00
5	11.20	.66	35.6	.00	.00	.0	.00	.00	.0	.00
6	1.30	.08	4.1	.00	.00	.0	.00	.00	.0	.00
7	.21	.01	.7	.00	.00	.0	.00	.00	.0	.00
8	.00	.00	.0	.00	.00	.0	.00	.00	.0	.00
9	.05	.00	.2	.00	.00	.0	.00	.00	.0	.00
10	.13	.01	.4	.00	.00	.0	.00	.00	.0	.00
11	.30	.02	1.0	.00	.00	.0	.00	.00	.0	.00
12	.47	.03	1.5	.00	.00	.0	.00	.00	.0	.00
Area	16.97			.00				.00		
Relief	1800.00			.00				.00		
Slope	4.37			.00				.00		
Aspect	259.00			.00				.00		
Elevation	5830.00			.00				.00		
MAP	25.70			.00				.00		
Jan Prec	2.85			.00				.00		
Jul Prec	.76			.00				.00		
Jul Min T	43.90			.00				.00		
Jan Max T	37.50			.00				.00		
Soil Perm	7.45			.00				.00		
Yield	8.18			.00				.00		

Stream: SYCAN R > SPRAGUE R - AB SYCAN MARSH
WAB ID #: 31420251 # WABS ABOVE: 1
Streams Above: 1 SYCAN R > SPRAGUE R - AT NF BOUNDARY (33S 14E 24 SWSW)

MO	WAB ID # 31420251			Sum Upstream WABs			Difference			Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann	Flow	CSM	% Ann	
1*	14.90	.15	2.7	16.90	.17	3.0	-2.00	-1.82	-131.0	.00
2	34.10	.34	6.1	32.00	.33	5.7	2.10	1.91	137.0	.00
3	54.80	.55	9.7	54.10	.55	9.6	.70	.64	45.8	.00
4	152.00	1.54	27.0	152.00	1.55	27.1	.00	.00	.0	.00
5	193.00	1.95	34.3	193.00	1.97	34.4	.00	.00	.0	.00
6	53.70	.54	9.5	53.70	.55	9.6	.00	.00	.0	.00
7	15.20	.15	2.7	15.20	.16	2.7	.00	.00	.0	.00
8	9.38	.09	1.7	9.38	.10	1.7	.00	.00	.0	.00
9*	7.44	.08	1.3	7.52	.08	1.3	-.08	-.07	-5.2	.00
10	7.65	.08	1.4	7.65	.08	1.4	.00	.00	.0	.00
11	9.49	.10	1.7	9.48	.10	1.7	.01	.01	.7	.00
12	11.30	.11	2.0	10.50	.11	1.9	.80	.73	52.3	.00
Area	98.97			97.87				1.10		
Relief	2520.00			2420.00				-9999.00		
Slope	5.41			5.46				1.21		
Aspect	211.00			210.00				230.00		
Elevation	6420.00			6430.00				5190.00		
MAP	28.30			28.40				21.70		
Jan Prec	3.04			3.04				2.50		
Jul Prec	.85			.85				.67		
Jul Min T	43.90			43.90				42.70		
Jan Max T	35.60			35.50				39.60		
Soil Perm	10.70			10.80				.50		
Yield	22.72			22.85				7.26		

Stream: SYCAN R > SPRAGUE R - AT NF BOUNDARY (33S 14E 24 SWSW)
WAB ID #: 31420228 # WABS ABOVE: 2
Streams Above: 1 LONG CR > SYCAN R - AT MOUTH
2 SYCAN R > SPRAGUE R - AB LONG CR

MO	WAB ID # 31420228			Sum Upstream WABS			Difference			Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann	Flow	CSM	% Ann	
1	16.90	.17	3.0	16.60	.18	3.0	.27	.05	3.5	.00
2	32.00	.33	5.7	31.60	.34	5.7	.38	.08	4.9	.00
3	54.10	.55	9.6	52.80	.57	9.5	1.29	.26	16.5	.00
4	152.00	1.55	27.1	149.00	1.61	26.9	2.80	.56	35.9	.00
5	193.00	1.97	34.4	191.00	2.05	34.4	2.50	.50	32.0	.00
6	53.70	.55	9.6	53.40	.57	9.6	.31	.06	4.0	.00
7	15.20	.16	2.7	15.20	.16	2.7	.03	.01	.4	.00
8	9.38	.10	1.7	9.38	.10	1.7	.00	.00	.0	.00
9	7.52	.08	1.3	7.51	.08	1.4	.01	.00	.1	.00
10	7.65	.08	1.4	7.62	.08	1.4	.03	.01	.4	.00
11	9.48	.10	1.7	9.41	.10	1.7	.07	.01	.9	.00
12	10.50	.11	1.9	10.40	.11	1.9	.12	.02	1.5	.00
Area	97.87			92.88				4.99		
Relief	2420.00			-9999.00				-9999.00		
Slope	5.46			5.51				4.48		
Aspect	210.00			208.00				256.00		
Elevation	6430.00			6470.00				5720.00		
MAP	28.40			28.60				24.30		
Jan Prec	3.04			3.06				2.68		
Jul Prec	.85			.85				.73		
Jul Min T	43.90			43.90				44.40		
Jan Max T	35.50			35.40				38.00		
Soil Perm	10.80			11.00				7.71		
Yield	22.85			23.56				7.28		

Stream: LONG CR > SYCAN R - AT MOUTH
 WAB ID #: 70814 # WABS ABOVE: 0

MO	WAB ID #	70814			Sum Upstream WABs			Flow	Difference		
		Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	With 50% Flow
1	.83	.05	2.2	.00	.00	.0	.00	.00	.0	.00	
2	1.12	.06	2.9	.00	.00	.0	.00	.00	.0	.00	
3	4.21	.24	10.9	.00	.00	.0	.00	.00	.0	.00	
4	12.20	.70	31.7	.00	.00	.0	.00	.00	.0	.00	
5	16.50	.95	42.9	.00	.00	.0	.00	.00	.0	.00	
6	2.09	.12	5.4	.00	.00	.0	.00	.00	.0	.00	
7	.37	.02	1.0	.00	.00	.0	.00	.00	.0	.00	
8	.00	.00	.0	.00	.00	.0	.00	.00	.0	.00	
9	.08	.00	.2	.00	.00	.0	.00	.00	.0	.00	
10	.25	.01	.6	.00	.00	.0	.00	.00	.0	.00	
11	.39	.02	1.0	.00	.00	.0	.00	.00	.0	.00	
12	.46	.03	1.2	.00	.00	.0	.00	.00	.0	.00	
Area		17.40			.00			.00			
Relief		1910.00			.00			.00			
Slope		4.14			.00			.00			
Aspect		234.00			.00			.00			
Elevation		6490.00			.00			.00			
MAP		28.20			.00			.00			
Jan Prec		3.05			.00			.00			
Jul Prec		.85			.00			.00			
Jul Min T		43.90			.00			.00			
Jan Max T		35.50			.00			.00			
Soil Perm		11.00			.00			.00			
Yield		8.88			.00			.00			

Stream: SYCAN R > SPRAGUE R - AB LONG CR
WAB ID #: 31420240 # WABS ABOVE: 2
Streams Above: 1 PARADISE CR > SYCAN CR - AT MOUTH
2 SYCAN R > SPRAGUE R - AB PARADISE CR

MO	WAB ID # 31420240			Sum Upstream WABs			Difference			Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann	Flow	CSM	% Ann	
1	15.80	.21	3.1	15.10	.26	3.1	.75	.04	2.7	.00
2	30.50	.40	5.9	29.30	.50	6.0	1.20	.07	4.3	.00
3	48.60	.64	9.4	43.70	.75	9.0	4.90	.28	17.7	.00
4	137.00	1.82	26.6	125.00	2.15	25.7	11.70	.68	42.2	.00
5	174.00	2.31	33.8	166.00	2.86	34.1	7.60	.44	27.4	.00
6	51.30	.68	10.0	50.70	.87	10.4	.60	.03	2.2	.00
7	14.80	.20	2.9	14.70	.25	3.0	.13	.01	.5	.00
8	9.38	.12	1.8	9.38	.16	1.9	.00	.00	.0	.00
9	7.43	.10	1.4	7.39	.13	1.5	.04	.00	.1	.00
10	7.37	.10	1.4	7.25	.12	1.5	.12	.01	.4	.00
11	9.02	.12	1.8	8.75	.15	1.8	.27	.02	1.0	.00
12	9.92	.13	1.9	9.52	.16	2.0	.40	.02	1.4	.00
Area	75.48			58.28					17.21	
Relief	2420.00			-9999.00					-9999.00	
Slope	5.82			6.24					4.42	
Aspect	202.00			203.00					199.00	
Elevation	6460.00			6630.00					5900.00	
MAP	28.70			29.60					26.00	
Jan Prec	3.07			3.14					2.83	
Jul Prec	.86			.88					.76	
Jul Min T	43.90			43.60					44.80	
Jan Max T	35.40			34.80					37.30	
Soil Perm	10.90			11.30					9.77	
Yield	26.88			32.03					7.02	

Stream: PARADISE CR > SYCAN CR - AT MOUTH
 WAB ID #: 70817 # WABS ABOVE: 0

MO	WAB ID #	70817		Sum Upstream WABs			Flow	Difference		Difference With 50% Flow
		Flow	CSM % Ann	Flow	CSM % Ann	CSM % Ann				
1	7.50	.30	4.5	.00	.00	.0	.00	.00	.0	.00
2	6.70	.27	4.0	.00	.00	.0	.00	.00	.0	.00
3	10.20	.41	6.1	.00	.00	.0	.00	.00	.0	.00
4	51.90	2.09	30.9	.00	.00	.0	.00	.00	.0	.00
5	64.40	2.59	38.4	.00	.00	.0	.00	.00	.0	.00
6	14.20	.57	8.5	.00	.00	.0	.00	.00	.0	.00
7	3.57	.14	2.1	.00	.00	.0	.00	.00	.0	.00
8	1.78	.07	1.1	.00	.00	.0	.00	.00	.0	.00
9	1.44	.06	.9	.00	.00	.0	.00	.00	.0	.00
10	1.90	.08	1.1	.00	.00	.0	.00	.00	.0	.00
11	2.31	.09	1.4	.00	.00	.0	.00	.00	.0	.00
12	1.88	.08	1.1	.00	.00	.0	.00	.00	.0	.00
Area		24.88			.00			.00		
Relief		1400.00			.00			.00		
Slope		5.97			.00			.00		
Aspect		182.00			.00			.00		
Elevation		6400.00			.00			.00		
MAP		28.80			.00			.00		
Jan Prec		3.04			.00			.00		
Jul Prec		.85			.00			.00		
Jul Min T		44.30			.00			.00		
Jan Max T		35.50			.00			.00		
Soil Perm		11.30			.00			.00		
Yield		26.46			.00			.00		

Stream: SYCAN R > SPRAGUE R - AB PARADISE CR
 WAB ID #: 70820 # WABS ABOVE: 0

MO	WAB ID #	70820		Sum Upstream WABS			Flow	Difference		Difference With 50% Flow
		Flow	CSM % Ann	Flow	CSM % Ann	CSM % Ann				
1	7.55	.23	2.4	.00	.00	.0	.00	.00	.0	.00
2	22.60	.68	7.1	.00	.00	.0	.00	.00	.0	.00
3	33.50	1.00	10.5	.00	.00	.0	.00	.00	.0	.00
4	73.40	2.20	23.0	.00	.00	.0	.00	.00	.0	.00
5	102.00	3.05	31.9	.00	.00	.0	.00	.00	.0	.00
6	36.50	1.09	11.4	.00	.00	.0	.00	.00	.0	.00
7	11.10	.33	3.5	.00	.00	.0	.00	.00	.0	.00
8	7.60	.23	2.4	.00	.00	.0	.00	.00	.0	.00
9	5.95	.18	1.9	.00	.00	.0	.00	.00	.0	.00
10	5.35	.16	1.7	.00	.00	.0	.00	.00	.0	.00
11	6.44	.19	2.0	.00	.00	.0	.00	.00	.0	.00
12	7.64	.23	2.4	.00	.00	.0	.00	.00	.0	.00

Area	33.39				.00			.00		
Relief	1820.00				.00			.00		
Slope	6.43				.00			.00		
Aspect	218.00				.00			.00		
Elevation	6800.00				.00			.00		
MAP	30.10				.00			.00		
Jan Prec	3.21				.00			.00		
Jul Prec	.91				.00			.00		
Jul Min T	43.10				.00			.00		
Jan Max T	34.30				.00			.00		
Soil Perm	11.30				.00			.00		
Yield	36.02				.00			.00		

Stream: SPRAGUE R > WILLIAMSON R - AB SYCAN R

WAB ID #: 70804 # WABS ABOVE: 2

Streams Above: 1 BROWN CR > SPRAGUE R - AT MOUTH

2 SPRAGUE R > WILLIAMSON R - AT KIRK SPRING AT GS GAGE 11497500

MO	WAB ID #	70804		Sum Upstream WABs			Difference			Difference With 50% Flow
		Flow	CSM % Ann	Flow	CSM % Ann	Flow	CSM % Ann	CSM % Ann		
1	207.00	.36	5.9	206.00	.37	5.9	.70	.06	4.9	.00
2	270.00	.47	7.7	268.00	.48	7.6	2.10	.18	14.6	.00
3	381.00	.67	10.8	377.00	.67	10.7	4.30	.37	29.8	.00
4	577.00	1.01	16.4	570.00	1.02	16.3	6.90	.59	47.9	.00
5	689.00	1.21	19.6	688.00	1.23	19.6	.70	.06	4.9	.00
6	386.00	.68	11.0	386.00	.69	11.0	-.20	-.02	-1.4	.00
7	183.00	.32	5.2	183.00	.33	5.2	-.30	-.03	-2.1	.00
8	132.00	.23	3.8	132.00	.24	3.8	-.16	-.01	-1.1	.00
9	147.00	.26	4.2	147.00	.26	4.2	-.21	-.02	-1.5	.00
10	171.00	.30	4.9	171.00	.31	4.9	.17	.01	1.2	.00
11	180.00	.32	5.1	180.00	.32	5.1	.11	.01	.8	.00
12	198.00	.35	5.6	198.00	.35	5.6	.30	.03	2.1	.00
Area	570.60			559.00					11.60	
Relief	4000.00			-9999.00					-9999.00	
Slope	7.39			7.44					5.26	
Aspect	193.00			193.00					220.00	
Elevation	5380.00			5400.00					4550.00	
MAP	22.30			22.40					15.80	
Jan Prec	2.60			2.60					2.32	
Jul Prec	.60			.61					.34	
Jul Min T	43.90			43.90					43.70	
Jan Max T	39.30			39.30					39.70	
Soil Perm	3.58			3.61					2.06	
Yield	31.36			31.69					8.87	

Stream: BROWN CR > SPRAGUE R - AT MOUTH
WAB ID #: 31420221 # WABS ABOVE: 0

MO	WAB ID # 31420221			Sum Upstream WABs			Flow	Difference		Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	
1	12.30	.40	10.9	.00	.00	.0	.00	.00	.0	.00
2	13.90	.45	12.3	.00	.00	.0	.00	.00	.0	.00
3	13.70	.44	12.2	.00	.00	.0	.00	.00	.0	.00
4	15.10	.49	13.4	.00	.00	.0	.00	.00	.0	.00
5	15.30	.49	13.6	.00	.00	.0	.00	.00	.0	.00
6	9.20	.30	8.2	.00	.00	.0	.00	.00	.0	.00
7	4.30	.14	3.8	.00	.00	.0	.00	.00	.0	.00
8	3.16	.10	2.8	.00	.00	.0	.00	.00	.0	.00
9	3.21	.10	2.8	.00	.00	.0	.00	.00	.0	.00
10	3.83	.12	3.4	.00	.00	.0	.00	.00	.0	.00
11	6.89	.22	6.1	.00	.00	.0	.00	.00	.0	.00
12	11.70	.38	10.4	.00	.00	.0	.00	.00	.0	.00
Area	30.98			.00				.00		
Relief	2210.00			.00				.00		
Slope	8.18			.00				.00		
Aspect	192.00			.00				.00		
Elevation	5030.00			.00				.00		
MAP	19.50			.00				.00		
Jan Prec	2.63			.00				.00		
Jul Prec	.48			.00				.00		
Jul Min T	44.80			.00				.00		
Jan Max T	40.10			.00				.00		
Soil Perm	1.39			.00				.00		
Yield	21.07			.00				.00		

Stream: SPRAGUE R > WILLIAMSON R - AT KIRK SPRING AT GS GAGE 11497500
WAB ID #: 31420250 # WABS ABOVE: 2
Streams Above: 1 N FK SPRAGUE R > SPRAGUE R - AT MOUTH
2 S FK SPRAGUE R > SPRAGUE R - AT MOUTH

MO	WAB ID # 31420250			Sum Upstream WABs			Difference			Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann	Flow	CSM	% Ann	
1	194.00	.37	5.7	190.00	.38	5.7	4.50	.16	7.1	.00
2	254.00	.48	7.5	238.00	.48	7.2	15.80	.56	24.8	.00
3	363.00	.69	10.7	349.00	.70	10.5	14.00	.50	21.9	.00
4	555.00	1.05	16.4	539.00	1.08	16.2	16.00	.57	25.1	.00
5	673.00	1.27	19.8	665.00	1.33	20.0	8.00	.29	12.5	.00
6	377.00	.71	11.1	373.00	.75	11.2	4.00	.14	6.3	.00
7	179.00	.34	5.3	178.00	.36	5.3	1.10	.04	1.7	.00
8*	129.00	.24	3.8	133.00	.27	4.0	-4.20	-.15	-6.6	.00
9	144.00	.27	4.2	143.00	.29	4.3	.80	.03	1.3	.00
10	167.00	.32	4.9	159.00	.32	4.8	7.90	.28	12.4	.00
11*	173.00	.33	5.1	181.00	.36	5.4	-7.80	-.28	-12.2	.00
12	186.00	.35	5.5	182.00	.36	5.5	3.70	.13	5.8	.00
Area	528.00			500.00			28.06			
Relief	4000.00			-9999.00			-9999.00			
Slope	7.39			7.32			8.77			
Aspect	193.00			194.00			158.00			
Elevation	5420.00			5460.00			4760.00			
MAP	22.60			22.80			18.40			
Jan Prec	2.60			2.61			2.48			
Jul Prec	.62			.63			.44			
Jul Min T	43.90			43.80			44.40			
Jan Max T	39.30			39.20			40.00			
Soil Perm	3.74			3.86			1.62			
Yield	32.23			33.06			13.98			

Stream: N FK SPRAGUE R > SPRAGUE R - AT MOUTH
WAB ID #: 70816 # WABS ABOVE: 3
Streams Above: 1 FIVEMILE CR > N FK SPRAGUE R - AT MOUTH
2 MERYL CR > N FK SPRAGUE R - AT MOUTH
3 N FK SPRAGUE R > SPRAGUE R - AT BALLEY FLATS

MO	WAB ID #	70816			Sum Upstream WABS			Difference			Difference With 50% Flow
		Flow	CSM	% Ann	Flow	CSM	% Ann	Flow	CSM	% Ann	
1	126.00	.60	6.1	105.00	.53	6.0	21.50	1.98	7.1	.00	
2	146.00	.70	7.1	134.00	.68	7.7	12.40	1.14	4.1	.00	
3*	170.00	.81	8.3	173.00	.87	9.9	-2.90	-.27	-1.0	.00	
4*	270.00	1.29	13.2	273.00	1.38	15.6	-2.70	-.25	-.9	.00	
5	379.00	1.82	18.5	346.00	1.75	19.8	33.10	3.04	10.9	.00	
6	234.00	1.12	11.4	193.00	.98	11.0	41.00	3.77	13.5	.00	
7	126.00	.60	6.1	89.60	.45	5.1	36.40	3.35	12.0	.00	
8	102.00	.49	5.0	72.20	.37	4.1	29.80	2.74	9.8	.00	
9	110.00	.53	5.4	74.30	.38	4.3	35.70	3.28	11.7	.00	
10	120.00	.58	5.8	81.40	.41	4.7	38.60	3.55	12.7	.00	
11	136.00	.65	6.6	101.00	.51	5.8	34.90	3.21	11.5	.00	
12	132.00	.63	6.4	106.00	.53	6.1	26.30	2.42	8.6	.00	
Area	208.70			197.80				10.88			
Relief	4000.00			-9999.00				-9999.00			
Slope	7.46			7.72				2.62			
Aspect	200.00			199.00				206.00			
Elevation	5630.00			5690.00				4490.00			
MAP	24.10			24.50				16.60			
Jan Prec	2.77			2.80				2.25			
Jul Prec	.67			.69				.36			
Jul Min T	43.20			43.30				43.00			
Jan Max T	38.20			38.10				39.90			
Soil Perm	7.40			7.75				1.11			
Yield	46.11			40.73				191.09			

Stream: FIVEMILE CR > N FK SPRAGUE R - AT MOUTH

WAB ID #: 31420222 # WABS ABOVE: 1

Streams Above: 1 FIVEMILE CR > N FK SPRAGUE R - AT NF BOUNDARY (35S 13E 24 SWSE)

MO	WAB ID # 31420222			Sum Upstream WABs			Flow	Difference		
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	With 50% Flow
1	28.40	.44	7.8	24.10	.68	8.1	4.30	.15	6.6	.00
2	40.10	.63	11.0	32.60	.92	10.9	7.50	.26	11.5	.00
3	49.50	.77	13.6	36.40	1.02	12.2	13.10	.46	20.1	.00
4	56.90	.89	15.6	42.90	1.20	14.3	14.00	.49	21.4	.00
5	34.30	.53	9.4	23.90	.67	8.0	10.40	.36	15.9	.00
6	27.20	.42	7.5	21.20	.60	7.1	6.00	.21	9.2	.00
7	21.70	.34	5.9	19.70	.55	6.6	2.00	.07	3.1	.00
8	19.40	.30	5.3	18.40	.52	6.2	1.00	.04	1.5	.00
9	20.10	.31	5.5	19.10	.54	6.4	1.00	.04	1.5	.00
10	21.70	.34	5.9	20.50	.58	6.8	1.20	.04	1.8	.00
11	21.90	.34	6.0	20.00	.56	6.7	1.90	.07	2.9	.00
12	23.30	.36	6.4	20.40	.57	6.8	2.90	.10	4.4	.00
Area	64.14			35.61			28.54			
Relief	1880.00			1620.00			-9999.00			
Slope	5.88			5.61			6.22			
Aspect	177.00			195.00			153.00			
Elevation	5080.00			5260.00			4850.00			
MAP	21.10			22.40			19.50			
Jan Prec	2.60			2.67			2.51			
Jul Prec	.57			.63			.49			
Jul Min T	42.70			42.60			42.70			
Jan Max T	39.70			39.80			39.70			
Soil Perm	6.91			9.70			3.42			
Yield	30.43			42.44			13.25			

Stream: FIVEMILE CR > N FK SPRAGUE R - AT NF BOUNDARY (35S 13E 24 SWSE)
WAB ID #: 31420248 # WABS ABOVE: 0

MO	WAB ID # 31420248			Sum Upstream WABs			Flow	Difference		Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	
1	24.10	.68	8.1	.00	.00	.0	.00	.00	.0	.00
2	32.60	.92	10.9	.00	.00	.0	.00	.00	.0	.00
3	36.40	1.02	12.2	.00	.00	.0	.00	.00	.0	.00
4	42.90	1.20	14.3	.00	.00	.0	.00	.00	.0	.00
5	23.90	.67	8.0	.00	.00	.0	.00	.00	.0	.00
6	21.20	.60	7.1	.00	.00	.0	.00	.00	.0	.00
7	19.70	.55	6.6	.00	.00	.0	.00	.00	.0	.00
8	18.40	.52	6.2	.00	.00	.0	.00	.00	.0	.00
9	19.10	.54	6.4	.00	.00	.0	.00	.00	.0	.00
10	20.50	.58	6.8	.00	.00	.0	.00	.00	.0	.00
11	20.00	.56	6.7	.00	.00	.0	.00	.00	.0	.00
12	20.40	.57	6.8	.00	.00	.0	.00	.00	.0	.00
Area	35.61			.00				.00		
Relief	1620.00			.00				.00		
Slope	5.61			.00				.00		
Aspect	195.00			.00				.00		
Elevation	5260.00			.00				.00		
MAP	22.40			.00				.00		
Jan Prec	2.67			.00				.00		
Jul Prec	.63			.00				.00		
Jul Min T	42.60			.00				.00		
Jan Max T	39.80			.00				.00		
Soil Perm	9.70			.00				.00		
Yield	42.44			.00				.00		

Stream: MERYL CR > N FK SPRAGUE R - AT MOUTH
 WAB ID #: 31420223 # WABS ABOVE: 0

MO	WAB ID # 31420223			Sum Upstream WABs			Flow	Difference		
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	With 50% Flow
1	15.00	.26	5.6	.00	.00	.0	.00	.00	.0	.00
2	21.50	.37	8.1	.00	.00	.0	.00	.00	.0	.00
3	32.00	.56	12.0	.00	.00	.0	.00	.00	.0	.00
4	47.80	.83	18.0	.00	.00	.0	.00	.00	.0	.00
5	64.60	1.12	24.3	.00	.00	.0	.00	.00	.0	.00
6	38.80	.67	14.6	.00	.00	.0	.00	.00	.0	.00
7	11.20	.19	4.2	.00	.00	.0	.00	.00	.0	.00
8	5.60	.10	2.1	.00	.00	.0	.00	.00	.0	.00
9	5.00	.09	1.9	.00	.00	.0	.00	.00	.0	.00
10	5.63	.10	2.1	.00	.00	.0	.00	.00	.0	.00
11	7.61	.13	2.9	.00	.00	.0	.00	.00	.0	.00
12	11.40	.20	4.3	.00	.00	.0	.00	.00	.0	.00
Area		57.52			.00			.00		
Relief		2920.00			.00			.00		
Slope		5.99			.00			.00		
Aspect		214.00			.00			.00		
Elevation		5380.00			.00			.00		
MAP		21.80			.00			.00		
Jan Prec		2.63			.00			.00		
Jul Prec		.59			.00			.00		
Jul Min T		43.50			.00			.00		
Jan Max T		39.20			.00			.00		
Soil Perm		5.64			.00			.00		
Yield		24.02			.00			.00		

Stream: N FK SPRAGUE R > SPRAGUE R - AT BALLEY FLATS

WAB ID #: 31420234 # WABS ABOVE: 1

Streams Above: 1 N FK SPRAGUE R > SPRAGUE R - AT NF BOUNDARY (35S 15E 30 SWSW)

MO	WAB ID # 31420234			Sum Upstream WABs			Difference			Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann	Flow	CSM	% Ann	
1	61.10	.80	5.5	60.50	.85	5.5	.60	.13	5.9	.00
2	72.00	.95	6.4	70.50	.99	6.4	1.50	.31	14.9	.00
3	91.40	1.20	8.2	88.00	1.23	8.0	3.40	.71	33.7	.00
4	168.00	2.21	15.0	165.00	2.31	14.9	3.00	.63	29.7	.00
5	247.00	3.24	22.1	246.00	3.45	22.2	1.00	.21	9.9	.00
6	127.00	1.67	11.4	127.00	1.78	11.5	.00	.00	.0	.00
7	56.70	.74	5.1	56.60	.79	5.1	.10	.02	1.0	.00
8	47.20	.62	4.2	47.20	.66	4.3	.00	.00	.0	.00
9	49.20	.65	4.4	49.20	.69	4.4	.00	.00	.0	.00
10	54.10	.71	4.8	54.10	.76	4.9	.00	.00	.0	.00
11	71.60	.94	6.4	71.50	1.00	6.5	.10	.02	1.0	.00
12	71.00	.93	6.4	70.60	.99	6.4	.40	.08	4.0	.00
Area	76.12			71.32				4.80		
Relief	3700.00			3500.00				-9999.00		
Slope	10.60			10.90				6.12		
Aspect	208.00			206.00				229.00		
Elevation	6450.00			6560.00				4770.00		
MAP	29.50			30.30				17.60		
Jan Prec	3.08			3.13				2.43		
Jul Prec	.87			.90				.44		
Jul Min T	43.60			43.60				42.90		
Jan Max T	35.80			35.60				40.00		
Soil Perm	10.10			10.60				1.23		
Yield	56.30			57.96				13.56		

Stream: N FK SPRAGUE R > SPRAGUE R - AT NF BOUNDARY (35S 15E 30 SWSW)

WAB ID #: 31420246 # WABS ABOVE: 1

Streams Above: 1 N FK SPRAGUE R > SPRAGUE R - AB SHEEPY CR

MO	WAB ID # 31420246			Sum Upstream WABs			Difference			Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann	Flow	CSM	% Ann	
1	60.50	.85	5.5	33.20	.63	4.6	27.30	1.45	7.2	.00
2	70.50	.99	6.4	41.10	.78	5.6	29.40	1.56	7.8	.00
3	88.00	1.23	8.0	56.60	1.08	7.8	31.40	1.67	8.3	.00
4	165.00	2.31	14.9	119.00	2.27	16.3	46.00	2.44	12.2	.00
5	246.00	3.45	22.2	184.00	3.50	25.3	62.00	3.30	16.4	.00
6	127.00	1.78	11.5	83.00	1.58	11.4	44.00	2.34	11.7	.00
7	56.60	.79	5.1	35.50	.68	4.9	21.10	1.12	5.6	.00
8	47.20	.66	4.3	29.40	.56	4.0	17.80	.95	4.7	.00
9	49.20	.69	4.4	30.90	.59	4.2	18.30	.97	4.8	.00
10	54.10	.76	4.9	34.00	.65	4.7	20.10	1.07	5.3	.00
11	71.50	1.00	6.5	42.20	.80	5.8	29.30	1.56	7.8	.00
12	70.60	.99	6.4	39.70	.76	5.4	30.90	1.64	8.2	.00
Area	71.32			52.50			18.82			
Relief	3500.00			2700.00			-9999.00			
Slope	10.90			9.00			16.10			
Aspect	206.00			196.00			236.00			
Elevation	6560.00			6710.00			6150.00			
MAP	30.30			31.80			26.20			
Jan Prec	3.13			3.23			2.84			
Jul Prec	.90			.94			.76			
Jul Min T	43.60			43.30			44.40			
Jan Max T	35.60			34.70			37.80			
Soil Perm	10.60			11.30			8.80			
Yield	57.96			49.44			86.84			

Stream: N FK SPRAGUE R > SPRAGUE R - AB SHEEPY CR

WAB ID #: 70815 # WABS ABOVE: 1

Streams Above: 1 N FK SPRAGUE R > SPRAGUE R - AT NF BOUNDARY (35S 15E 11 NESW)

MO	WAB ID #	70815		Sum Upstream WABS			Flow	Difference		Difference With 50% Flow
		Flow	CSM % Ann	Flow	CSM % Ann	CSM % Ann				
1	33.20	.63	4.6	31.10	.62	4.4	2.10	.96	8.4	.00
2	41.10	.78	5.6	38.20	.76	5.4	2.90	1.33	11.6	.00
3	56.60	1.08	7.8	52.40	1.04	7.4	4.20	1.92	16.9	.00
4	119.00	2.27	16.3	114.00	2.27	16.2	5.00	2.29	20.1	.00
5	184.00	3.50	25.3	181.00	3.60	25.7	3.00	1.37	12.0	.00
6	83.00	1.58	11.4	82.00	1.63	11.7	1.00	.46	4.0	.00
7	35.50	.68	4.9	34.90	.69	5.0	.60	.27	2.4	.00
8	29.40	.56	4.0	28.80	.57	4.1	.60	.27	2.4	.00
9	30.90	.59	4.2	30.10	.60	4.3	.80	.37	3.2	.00
10	34.00	.65	4.7	33.10	.66	4.7	.90	.41	3.6	.00
11	42.20	.80	5.8	40.60	.81	5.8	1.60	.73	6.4	.00
12	39.70	.76	5.4	37.50	.75	5.3	2.20	1.01	8.8	.00
Area	52.50			50.32				2.18		
Relief	2700.00			2500.00				-9999.00		
Slope	9.00			8.96				10.10		
Aspect	196.00			196.00				190.00		
Elevation	6710.00			6740.00				6130.00		
MAP	31.80			32.00				27.20		
Jan Prec	3.23			3.24				2.93		
Jul Prec	.94			.95				.78		
Jul Min T	43.30			43.30				44.90		
Jan Max T	34.70			34.60				37.00		
Soil Perm	11.30			11.30				11.30		
Yield	49.44			49.52				47.44		

Stream: N FK SPRAGUE R > SPRAGUE R - AT NF BOUNDARY (35S 15E 11 NESW)

WAB ID #: 31420229 # WABS ABOVE: 1

Streams Above: 1 N FK SPRAGUE R > SPRAGUE R - AT NF BOUNDARY (35S 15E 11 SENE)

MO	WAB ID # 31420229			Sum Upstream WABs			Difference			Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann	Flow	CSM	% Ann	
1	31.10	.62	4.4	30.80	.61	4.4	.30	2.10	11.1	.00
2	38.20	.76	5.4	37.80	.75	5.4	.40	2.80	14.8	.00
3	52.40	1.04	7.4	52.00	1.04	7.4	.40	2.80	14.8	.00
4	114.00	2.27	16.2	113.00	2.25	16.1	1.00	6.99	37.0	.00
5	181.00	3.60	25.7	181.00	3.61	25.8	.00	.00	.0	.00
6	82.00	1.63	11.7	81.90	1.63	11.7	.10	.70	3.7	.00
7	34.90	.69	5.0	34.90	.70	5.0	.00	.00	.0	.00
8	28.80	.57	4.1	28.80	.57	4.1	.00	.00	.0	.00
9	30.10	.60	4.3	30.10	.60	4.3	.00	.00	.0	.00
10	33.10	.66	4.7	33.10	.66	4.7	.00	.00	.0	.00
11	40.60	.81	5.8	40.40	.81	5.8	.20	1.40	7.4	.00
12	37.50	.75	5.3	37.20	.74	5.3	.30	2.10	11.1	.00
Area	50.32			50.18				.14		
Relief	2500.00			2500.00				-9999.00		
Slope	8.96			8.93				19.10		
Aspect	196.00			196.00				285.00		
Elevation	6740.00			6740.00				6220.00		
MAP	32.00			32.00				28.50		
Jan Prec	3.24			3.24				3.24		
Jul Prec	.95			.95				.95		
Jul Min T	43.30			43.30				45.00		
Jan Max T	34.60			34.60				36.00		
Soil Perm	11.30			11.30				11.30		
Yield	49.52			49.45				75.10		

Stream: N FK SPRAGUE R > SPRAGUE R - AT NF BOUNDARY (35S 15E 11 SENE)

WAB ID #: 31420267 # WABS ABOVE: 0

MO	WAB ID # 31420267			Sum Upstream WABS			Flow	Difference		Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	
1	30.80	.61	4.4	.00	.00	.0	.00	.00	.0	.00
2	37.80	.75	5.4	.00	.00	.0	.00	.00	.0	.00
3	52.00	1.04	7.4	.00	.00	.0	.00	.00	.0	.00
4	113.00	2.25	16.1	.00	.00	.0	.00	.00	.0	.00
5	181.00	3.61	25.8	.00	.00	.0	.00	.00	.0	.00
6	81.90	1.63	11.7	.00	.00	.0	.00	.00	.0	.00
7	34.90	.70	5.0	.00	.00	.0	.00	.00	.0	.00
8	28.80	.57	4.1	.00	.00	.0	.00	.00	.0	.00
9	30.10	.60	4.3	.00	.00	.0	.00	.00	.0	.00
10	33.10	.66	4.7	.00	.00	.0	.00	.00	.0	.00
11	40.40	.81	5.8	.00	.00	.0	.00	.00	.0	.00
12	37.20	.74	5.3	.00	.00	.0	.00	.00	.0	.00
Area	50.18			.00				.00		
Relief	2500.00			.00				.00		
Slope	8.93			.00				.00		
Aspect	196.00			.00				.00		
Elevation	6740.00			.00				.00		
MAP	32.00			.00				.00		
Jan Prec	3.24			.00				.00		
Jul Prec	.95			.00				.00		
Jul Min T	43.30			.00				.00		
Jan Max T	34.60			.00				.00		
Soil Perm	11.30			.00				.00		
Yield	49.45			.00				.00		

Stream: S FK SPRAGUE R > SPRAGUE R - AT MOUTH

WAB ID #: 70802 # WABS ABOVE: 3

Streams Above: 1 DEMING CR > S FK SPRAGUE R - AT MOUTH
 2 FISHHOLE CR > S FK SPRAGUE R - AT MOUTH
 3 S FK SPRAGUE R > SPRAGUE R - AB FISHHOLE CR

MO	WAB ID # Flow	70802		Sum Upstream WABs			Difference			Difference With 50% Flow
		CSM	% Ann	Flow	CSM	% Ann	Flow	CSM	% Ann	
1	63.50	.22	5.0	62.30	.23	5.0	1.18	.07	5.3	.00
2	92.20	.32	7.2	89.60	.33	7.1	2.60	.17	11.7	.00
3	179.00	.61	14.0	173.00	.63	13.8	6.00	.38	26.9	.00
4	269.00	.92	21.0	263.00	.96	20.9	5.80	.37	26.0	.00
5	286.00	.98	22.4	283.00	1.03	22.5	2.90	.18	13.0	.00
6	139.00	.48	10.9	138.00	.50	10.9	1.40	.09	6.3	.00
7	51.90	.18	4.1	51.50	.19	4.1	.43	.03	1.9	.00
8	31.20	.11	2.4	31.00	.11	2.5	.20	.01	.9	.00
9	33.20	.11	2.6	33.00	.12	2.6	.24	.02	1.1	.00
10	39.10	.13	3.1	38.80	.14	3.1	.34	.02	1.5	.00
11	44.80	.15	3.5	44.30	.16	3.5	.47	.03	2.1	.00
12	50.30	.17	3.9	49.60	.18	3.9	.73	.05	3.3	.00
Area	291.30			275.60			15.76			
Relief	3850.00			-9999.00			-9999.00			
Slope	7.22			7.39			4.26			
Aspect	191.00			194.00			138.00			
Elevation	5330.00			5370.00			4650.00			
MAP	21.90			22.10			17.30			
Jan Prec	2.49			2.50			2.26			
Jul Prec	.59			.60			.42			
Jul Min T	44.30			44.30			44.50			
Jan Max T	40.00			40.00			39.90			
Soil Perm	1.32			1.32			1.37			
Yield	22.74			23.34			9.24			

Stream: DEMING CR > S FK SPRAGUE R - AT MOUTH
WAB ID #: 31420265 # WABS ABOVE: 1
Streams Above: 1 DEMING CR > S FK SPRAGUE R - AT NF BOUNDARY (36S 15E 9 SESE)

MO	WAB ID # 31420265			Sum Upstream WABS			Difference			Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann	Flow	CSM	% Ann	
1	7.22	.22	5.3	3.75	.33	4.8	3.47	.16	5.9	.00
2	10.30	.31	7.5	4.67	.42	5.9	5.63	.26	9.6	.00
3	16.20	.49	11.8	7.04	.63	8.9	9.16	.42	15.6	.00
4	20.90	.63	15.2	11.00	.98	14.0	9.90	.45	16.9	.00
5	32.10	.97	23.4	21.40	1.90	27.2	10.70	.49	18.2	.00
6	21.90	.66	15.9	14.10	1.25	17.9	7.80	.36	13.3	.00
7	6.97	.21	5.1	4.07	.36	5.2	2.90	.13	4.9	.00
8	3.39	.10	2.5	2.03	.18	2.6	1.36	.06	2.3	.00
9	3.64	.11	2.7	2.13	.19	2.7	1.51	.07	2.6	.00
10	3.89	.12	2.8	2.27	.20	2.9	1.62	.07	2.8	.00
11	4.71	.14	3.4	2.81	.25	3.6	1.90	.09	3.2	.00
12	6.12	.18	4.5	3.42	.30	4.3	2.70	.12	4.6	.00
Area	33.13			11.24			21.89			
Relief	3800.00			3670.00			-9999.00			
Slope	8.82			15.90			5.19			
Aspect	225.00			230.00			223.00			
Elevation	5160.00			5760.00			4850.00			
MAP	19.60			23.50			17.50			
Jan Prec	2.35			2.60			2.21			
Jul Prec	.52			.67			.44			
Jul Min T	43.20			43.60			43.00			
Jan Max T	39.70			39.10			39.90			
Soil Perm	1.35			1.67			1.18			
Yield	23.99			33.69			17.30			

Stream: DEMING CR > S FK SPRAGUE R - AT NF BOUNDARY (36S 15E 9 SESE)
WAB ID #: 70808 # WABS ABOVE: 1
Streams Above: 1 DEMING CR > S FK SPRAGUE R - AT NF BNDRY (36S 15E 9 SESE)

MO	WAB ID #	70808		Sum Upstream WABs			Flow	Difference		Difference With 50% Flow
		Flow	CSM % Ann	Flow	CSM % Ann	CSM % Ann				
1	3.75	.33	4.8	2.55	.57	4.2	1.20	.18	6.5	.00
2	4.67	.42	5.9	2.75	.61	4.6	1.92	.28	10.4	.00
3	7.04	.63	8.9	4.02	.89	6.7	3.02	.45	16.4	.00
4	11.00	.98	14.0	7.61	1.69	12.6	3.39	.50	18.4	.00
5	21.40	1.90	27.2	17.40	3.87	28.9	4.00	.59	21.7	.00
6	14.10	1.25	17.9	11.60	2.58	19.2	2.50	.37	13.6	.00
7	4.07	.36	5.2	3.53	.78	5.9	.54	.08	2.9	.00
8	2.03	.18	2.6	1.83	.41	3.0	.20	.03	1.1	.00
9	2.13	.19	2.7	1.96	.44	3.3	.17	.03	.9	.00
10	2.27	.20	2.9	2.08	.46	3.5	.19	.03	1.0	.00
11	2.81	.25	3.6	2.38	.53	4.0	.43	.06	2.3	.00
12	3.42	.30	4.3	2.58	.57	4.3	.84	.12	4.6	.00
Area	11.24			4.50			6.74			
Relief	3670.00			2800.00			-9999.00			
Slope	15.90			24.10			10.40			
Aspect	230.00			232.00			230.00			
Elevation	5760.00			6570.00			5210.00			
MAP	23.50			30.10			19.10			
Jan Prec	2.60			2.96			2.36			
Jul Prec	.67			.89			.52			
Jul Min T	43.60			43.80			43.40			
Jan Max T	39.10			37.90			39.90			
Soil Perm	1.67			2.27			1.26			
Yield	33.69			50.40			16.15			

Stream: DEMING CR > S FK SPRAGUE R - AT NF BNDRY (36S 15E 9 SESE)
WAB ID #: 31420264 # WABS ABOVE: 0

MO	WAB ID # 31420264			Sum Upstream WABS			Flow	Difference		Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	
1	2.55	.57	4.2	.00	.00	.0	.00	.00	.0	.00
2	2.75	.61	4.6	.00	.00	.0	.00	.00	.0	.00
3	4.02	.89	6.7	.00	.00	.0	.00	.00	.0	.00
4	7.61	1.69	12.6	.00	.00	.0	.00	.00	.0	.00
5	17.40	3.87	28.9	.00	.00	.0	.00	.00	.0	.00
6	11.60	2.58	19.2	.00	.00	.0	.00	.00	.0	.00
7	3.53	.78	5.9	.00	.00	.0	.00	.00	.0	.00
8	1.83	.41	3.0	.00	.00	.0	.00	.00	.0	.00
9	1.96	.44	3.3	.00	.00	.0	.00	.00	.0	.00
10	2.08	.46	3.5	.00	.00	.0	.00	.00	.0	.00
11	2.38	.53	4.0	.00	.00	.0	.00	.00	.0	.00
12	2.58	.57	4.3	.00	.00	.0	.00	.00	.0	.00
Area	4.50			.00				.00		
Relief	2800.00			.00				.00		
Slope	24.10			.00				.00		
Aspect	232.00			.00				.00		
Elevation	6570.00			.00				.00		
MAP	30.10			.00				.00		
Jan Prec	2.96			.00				.00		
Jul Prec	.89			.00				.00		
Jul Min T	43.80			.00				.00		
Jan Max T	37.90			.00				.00		
Soil Perm	2.27			.00				.00		
Yield	50.40			.00				.00		

Stream: FISHHOLE CR > S FK SPRAGUE R - AT MOUTH

WAB ID #: 70809 # WABS ABOVE: 1

Streams Above: 1 FISHHOLE CR > S FK SPRAGUE R - AT NF BOUNDARY (37S 15E 32 SENW)

MO	WAB ID # Flow	70809		Sum Upstream WABs			Flow	Difference		Difference With 50% Flow
		CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	
1	14.00	.13	4.7	7.24	.13	4.1	6.76	.13	5.5	.00
2	31.50	.29	10.5	19.00	.35	10.7	12.50	.23	10.2	.00
3	71.20	.66	23.7	49.10	.91	27.7	22.10	.41	18.0	.00
4	78.30	.73	26.1	50.80	.94	28.7	27.50	.51	22.4	.00
5	42.00	.39	14.0	21.20	.39	12.0	20.80	.39	16.9	.00
6	24.50	.23	8.2	12.60	.23	7.1	11.90	.22	9.7	.00
7	10.40	.10	3.5	4.98	.09	2.8	5.42	.10	4.4	.00
8	4.41	.04	1.5	1.96	.04	1.1	2.45	.05	2.0	.00
9	4.22	.04	1.4	1.77	.03	1.0	2.45	.05	2.0	.00
10	5.67	.05	1.9	2.59	.05	1.5	3.08	.06	2.5	.00
11	5.32	.05	1.8	2.09	.04	1.2	3.23	.06	2.6	.00
12	8.45	.08	2.8	3.78	.07	2.1	4.67	.09	3.8	.00
Area	107.30			53.88			53.43			
Relief	2690.00			2270.00			-9999.00			
Slope	5.76			6.88			4.63			
Aspect	168.00			193.00			143.00			
Elevation	5240.00			5540.00			4930.00			
MAP	21.30			23.30			19.30			
Jan Prec	2.58			2.58			2.57			
Jul Prec	.57			.65			.49			
Jul Min T	44.80			45.30			44.40			
Jan Max T	40.40			40.50			40.20			
Soil Perm	1.27			1.39			1.15			
Yield	14.86			15.95			13.52			

Stream: FISHHOLE CR > S FK SPRAGUE R - AT NF BOUNDARY (37S 15E 32 SENW)
WAB ID #: 31420230 # WABS ABOVE: 0

MO	WAB ID # 31420230			Sum Upstream WABs			Flow	Difference		Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	
1	7.24	.13	4.1	.00	.00	.0	.00	.00	.0	.00
2	19.00	.35	10.7	.00	.00	.0	.00	.00	.0	.00
3	49.10	.91	27.7	.00	.00	.0	.00	.00	.0	.00
4	50.80	.94	28.7	.00	.00	.0	.00	.00	.0	.00
5	21.20	.39	12.0	.00	.00	.0	.00	.00	.0	.00
6	12.60	.23	7.1	.00	.00	.0	.00	.00	.0	.00
7	4.98	.09	2.8	.00	.00	.0	.00	.00	.0	.00
8	1.96	.04	1.1	.00	.00	.0	.00	.00	.0	.00
9	1.77	.03	1.0	.00	.00	.0	.00	.00	.0	.00
10	2.59	.05	1.5	.00	.00	.0	.00	.00	.0	.00
11	2.09	.04	1.2	.00	.00	.0	.00	.00	.0	.00
12	3.78	.07	2.1	.00	.00	.0	.00	.00	.0	.00
Area	53.88			.00				.00		
Relief	2270.00			.00				.00		
Slope	6.88			.00				.00		
Aspect	193.00			.00				.00		
Elevation	5540.00			.00				.00		
MAP	23.30			.00				.00		
Jan Prec	2.58			.00				.00		
Jul Prec	.65			.00				.00		
Jul Min T	45.30			.00				.00		
Jan Max T	40.50			.00				.00		
Soil Perm	1.39			.00				.00		
Yield	15.95			.00				.00		

Stream: S FK SPRAGUE R > SPRAGUE R - AB FISHHOLE CR
WAB ID #: 31420235 # WABS ABOVE: 3
Streams Above: 1 PARADISE CR > S FK SPRAGUE R - AT MOUTH
2 ISH TISH CR > S FK SPRAGUE R - AT MOUTH
3 S FK SPRAGUE R > SPRAGUE R - AB ISH TISH CR

MO	WAB ID # 31420235			Sum Upstream WABs			Difference			Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann	Flow	CSM	% Ann	
1	41.10	.30	5.0	33.60	.28	4.7	7.53	.55	7.1	.00
2	47.80	.35	5.8	41.60	.34	5.8	6.16	.45	5.8	.00
3	85.60	.63	10.4	81.60	.67	11.4	4.03	.29	3.8	.00
4	164.00	1.21	20.0	162.00	1.33	22.7	2.04	.15	1.9	.00
5	209.00	1.55	25.5	189.00	1.56	26.5	19.80	1.44	18.6	.00
6	91.20	.67	11.1	75.30	.62	10.6	15.90	1.16	15.0	.00
7	34.10	.25	4.2	24.20	.20	3.4	9.95	.72	9.4	.00
8	23.20	.17	2.8	16.40	.13	2.3	6.85	.50	6.4	.00
9	25.10	.19	3.1	16.80	.14	2.4	8.25	.60	7.8	.00
10	29.20	.22	3.6	19.90	.16	2.8	9.34	.68	8.8	.00
11	34.30	.25	4.2	25.30	.21	3.5	9.00	.65	8.5	.00
12	35.00	.26	4.3	27.60	.23	3.9	7.45	.54	7.0	.00
Area	135.10			121.40			13.75			
Relief	3650.00			-9999.00			-9999.00			
Slope	8.33			8.91			3.16			
Aspect	206.00			206.00			206.00			
Elevation	5530.00			5640.00			4520.00			
MAP	23.40			24.30			15.90			
Jan Prec	2.48			2.53			2.06			
Jul Prec	.65			.68			.39			
Jul Min T	44.10			44.20			42.70			
Jan Max T	39.70			39.70			39.90			
Soil Perm	1.36			1.42			.80			
Yield	29.35			27.44			55.11			

Stream: PARADISE CR > S FK SPRAGUE R - AT MOUTH
 WAB ID #: 31420224 # WABS ABOVE: 0

MO	WAB ID # 31420224			Sum Upstream WABs			Flow	Difference		Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	
1	1.40	.10	4.6	.00	.00	.0	.00	.00	.0	.00
2	3.38	.23	11.1	.00	.00	.0	.00	.00	.0	.00
3	7.67	.53	25.3	.00	.00	.0	.00	.00	.0	.00
4	7.76	.54	25.6	.00	.00	.0	.00	.00	.0	.00
5	5.43	.38	17.9	.00	.00	.0	.00	.00	.0	.00
6	2.45	.17	8.1	.00	.00	.0	.00	.00	.0	.00
7	.50	.03	1.6	.00	.00	.0	.00	.00	.0	.00
8	.19	.01	.6	.00	.00	.0	.00	.00	.0	.00
9	.15	.01	.5	.00	.00	.0	.00	.00	.0	.00
10	.18	.01	.6	.00	.00	.0	.00	.00	.0	.00
11	.35	.02	1.1	.00	.00	.0	.00	.00	.0	.00
12	.89	.06	2.9	.00	.00	.0	.00	.00	.0	.00
Area	14.42				.00			.00		
Relief	1810.00				.00			.00		
Slope	4.96				.00			.00		
Aspect	239.00				.00			.00		
Elevation	4950.00				.00			.00		
MAP	18.80				.00			.00		
Jan Prec	2.25				.00			.00		
Jul Prec	.50				.00			.00		
Jul Min T	42.90				.00			.00		
Jan Max T	40.10				.00			.00		
Soil Perm	.71				.00			.00		
Yield	12.69				.00			.00		

Stream: ISH TISH CR > S FK SPRAGUE R - AT MOUTH
 WAB ID #: 31420225 # WABS ABOVE: 0

MO	WAB ID # 31420225			Sum Upstream WABS			Flow	Difference		
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	With 50% Flow
1	3.17	.16	5.6	.00	.00	.0	.00	.00	.0	.00
2	6.16	.31	10.9	.00	.00	.0	.00	.00	.0	.00
3	11.80	.59	21.0	.00	.00	.0	.00	.00	.0	.00
4	14.20	.71	25.2	.00	.00	.0	.00	.00	.0	.00
5	10.80	.54	19.2	.00	.00	.0	.00	.00	.0	.00
6	4.44	.22	7.9	.00	.00	.0	.00	.00	.0	.00
7	1.05	.05	1.9	.00	.00	.0	.00	.00	.0	.00
8	.46	.02	.8	.00	.00	.0	.00	.00	.0	.00
9	.40	.02	.7	.00	.00	.0	.00	.00	.0	.00
10	.48	.02	.9	.00	.00	.0	.00	.00	.0	.00
11	1.05	.05	1.9	.00	.00	.0	.00	.00	.0	.00
12	2.26	.11	4.0	.00	.00	.0	.00	.00	.0	.00
Area		19.93			.00			.00		
Relief		1800.00			.00			.00		
Slope		7.93			.00			.00		
Aspect		212.00			.00			.00		
Elevation		5350.00			.00			.00		
MAP		21.70			.00			.00		
Jan Prec		2.37			.00			.00		
Jul Prec		.60			.00			.00		
Jul Min T		43.80			.00			.00		
Jan Max T		40.30			.00			.00		
Soil Perm		1.26			.00			.00		
Yield		14.76			.00			.00		

Stream: S FK SPRAGUE R > SPRAGUE R - AB ISH TISH CR
WAB ID #: 70801 # WABS ABOVE: 2
Streams Above: 1 BROWNSWORTH CR > S FK SPRAGUE R - AT MOUTH
2 S FK SPRAGUE R > SPRAGUE R - AB BROWNSWORTH CR

MO	WAB ID #	70801		Sum Upstream WABs			Flow	Difference		Difference With 50% Flow
		Flow	CSM % Ann	Flow	CSM % Ann	Flow		CSM % Ann		
1	29.00	.33	4.6	28.60	.35	4.6	.41	.09	4.8	.00
2	32.10	.37	5.1	30.90	.37	5.0	1.20	.27	14.1	.00
3	62.10	.71	9.9	59.30	.72	9.6	2.80	.63	32.8	.00
4	140.00	1.61	22.3	137.00	1.66	22.2	2.90	.65	34.0	.00
5	173.00	1.99	27.6	173.00	2.09	27.9	.50	.11	5.9	.00
6	68.40	.79	10.9	68.20	.83	11.0	.20	.05	2.3	.00
7	22.60	.26	3.6	22.60	.27	3.7	.02	.00	.2	.00
8	15.70	.18	2.5	15.70	.19	2.5	.02	.00	.2	.00
9	16.30	.19	2.6	16.30	.20	2.6	.05	.01	.6	.00
10	19.20	.22	3.1	19.10	.23	3.1	.07	.02	.8	.00
11	23.90	.27	3.8	23.80	.29	3.8	.07	.02	.8	.00
12	24.40	.28	3.9	24.10	.29	3.9	.29	.07	3.4	.00
Area	87.01			82.57					4.44	
Relief	3400.00			-9999.00					-9999.00	
Slope	9.80			9.91					7.63	
Aspect	199.00			199.00					204.00	
Elevation	5820.00			5870.00					4880.00	
MAP	25.80			26.20					18.10	
Jan Prec	2.62			2.64					2.22	
Jul Prec	.73			.74					.49	
Jul Min T	44.50			44.60					43.00	
Jan Max T	39.40			39.40					39.80	
Soil Perm	1.57			1.62					.67	
Yield	31.66			32.39					12.04	

Stream: BROWNSWORTH CR > S FK SPRAGUE R - AT MOUTH
WAB ID #: 70832 # WABS ABOVE: 0

MO	WAB ID #	70832		Sum Upstream WABs			Flow	Difference		Difference With 50% Flow
		Flow	CSM % Ann	Flow	CSM % Ann	CSM % Ann				
1	7.49	.37	5.2	.00	.00	.0	.00	.00	.0	.00
2	7.90	.39	5.5	.00	.00	.0	.00	.00	.0	.00
3	14.10	.69	9.9	.00	.00	.0	.00	.00	.0	.00
4	29.10	1.43	20.4	.00	.00	.0	.00	.00	.0	.00
5	35.50	1.75	24.8	.00	.00	.0	.00	.00	.0	.00
6	15.80	.78	11.1	.00	.00	.0	.00	.00	.0	.00
7	6.08	.30	4.3	.00	.00	.0	.00	.00	.0	.00
8	4.38	.22	3.1	.00	.00	.0	.00	.00	.0	.00
9	4.55	.22	3.2	.00	.00	.0	.00	.00	.0	.00
10	5.23	.26	3.7	.00	.00	.0	.00	.00	.0	.00
11	6.33	.31	4.4	.00	.00	.0	.00	.00	.0	.00
12	6.41	.32	4.5	.00	.00	.0	.00	.00	.0	.00
Area		20.32			.00			.00		
Relief		3400.00			.00			.00		
Slope		12.30			.00			.00		
Aspect		201.00			.00			.00		
Elevation		5820.00			.00			.00		
MAP		24.90			.00			.00		
Jan Prec		2.59			.00			.00		
Jul Prec		.71			.00			.00		
Jul Min T		43.90			.00			.00		
Jan Max T		39.10			.00			.00		
Soil Perm		1.55			.00			.00		
Yield		32.02			.00			.00		

Stream: S FK SPRAGUE R > SPRAGUE R - AB BROWNSWORTH CR
WAB ID #: 31420242 # WABS ABOVE: 2
Streams Above: 1 WHITWORTH CR > S FK SPRAGUE R - AT MOUTH
2 S FK SPRAGUE R > SPRAGUE R - AB WHITWORTH CR

MO	WAB ID # 31420242			Sum Upstream WABs			Flow	Difference		Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	
1	21.10	.34	4.4	17.30	.37	4.2	3.80	.26	6.3	.00
2	23.00	.37	4.8	18.20	.38	4.4	4.85	.33	8.1	.00
3	45.20	.73	9.5	35.70	.75	8.6	9.50	.64	15.8	.00
4	108.00	1.73	22.7	91.80	1.94	22.1	16.20	1.09	27.0	.00
5	137.00	2.20	28.8	125.00	2.65	30.2	11.60	.78	19.3	.00
6	52.40	.84	11.0	48.40	1.02	11.7	4.00	.27	6.7	.00
7	16.50	.27	3.5	15.20	.32	3.7	1.28	.09	2.1	.00
8	11.30	.18	2.4	10.30	.22	2.5	.96	.06	1.6	.00
9	11.70	.19	2.5	10.70	.22	2.6	1.05	.07	1.8	.00
10	13.90	.22	2.9	12.50	.26	3.0	1.42	.10	2.4	.00
11	17.50	.28	3.7	15.10	.32	3.6	2.40	.16	4.0	.00
12	17.70	.28	3.7	14.80	.31	3.6	2.92	.20	4.9	.00
Area	62.26			47.37			14.89			
Relief	3000.00			-9999.00			-9999.00			
Slope	9.15			8.84			10.10			
Aspect	199.00			203.00			184.00			
Elevation	5890.00			6090.00			5230.00			
MAP	26.60			28.60			20.20			
Jan Prec	2.65			2.76			2.30			
Jul Prec	.75			.81			.56			
Jul Min T	44.90			45.20			43.90			
Jan Max T	39.50			39.30			40.40			
Soil Perm	1.64			1.73			1.37			
Yield	32.50			34.71			22.56			

Stream: WHITWORTH CR > S FK SPRAGUE R - AT MOUTH
WAB ID #: 31420226 # WABS ABOVE: 0

MO	WAB ID # 31420226			Sum Upstream WABs			Flow	Difference		Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	
1	9.79	.44	4.4	.00	.00	.0	.00	.00	.0	.00
2	10.10	.45	4.5	.00	.00	.0	.00	.00	.0	.00
3	18.80	.84	8.4	.00	.00	.0	.00	.00	.0	.00
4	48.80	2.17	21.9	.00	.00	.0	.00	.00	.0	.00
5	68.80	3.06	30.9	.00	.00	.0	.00	.00	.0	.00
6	25.00	1.11	11.2	.00	.00	.0	.00	.00	.0	.00
7	7.48	.33	3.4	.00	.00	.0	.00	.00	.0	.00
8	5.22	.23	2.3	.00	.00	.0	.00	.00	.0	.00
9	5.45	.24	2.5	.00	.00	.0	.00	.00	.0	.00
10	6.37	.28	2.9	.00	.00	.0	.00	.00	.0	.00
11	8.14	.36	3.7	.00	.00	.0	.00	.00	.0	.00
12	8.55	.38	3.8	.00	.00	.0	.00	.00	.0	.00
Area		22.49			.00			.00		
Relief		2470.00			.00			.00		
Slope		9.34			.00			.00		
Aspect		227.00			.00			.00		
Elevation		6090.00			.00			.00		
MAP		28.50			.00			.00		
Jan Prec		2.74			.00			.00		
Jul Prec		.80			.00			.00		
Jul Min T		45.40			.00			.00		
Jan Max T		39.80			.00			.00		
Soil Perm		1.83			.00			.00		
Yield		39.30			.00			.00		

Stream: S FK SPRAGUE R > SPRAGUE R - AB WHITWORTH CR
WAB ID #: 70799 # WABS ABOVE: 1
Streams Above: 1 S FK SPRAGUE R > SPRAGUE R - AB CAMP CR

MO	WAB ID #	70799		Sum Upstream WABs			Flow	Difference		Difference With 50% Flow
		Flow	CSM % Ann	Flow	CSM % Ann	Flow		CSM % Ann		
1	7.51	.30	3.9	1.60	.23	3.5	5.91	.33	4.0	.00
2	8.05	.32	4.2	1.92	.27	4.3	6.13	.34	4.2	.00
3	16.90	.68	8.8	4.75	.67	10.5	12.20	.68	8.2	.00
4	43.00	1.73	22.3	12.40	1.75	27.5	30.60	1.72	20.7	.00
5	56.60	2.28	29.4	12.10	1.71	26.9	44.50	2.50	30.1	.00
6	23.40	.94	12.1	4.18	.59	9.3	19.20	1.08	13.0	.00
7	7.74	.31	4.0	1.60	.23	3.5	6.14	.34	4.2	.00
8	5.12	.21	2.7	1.13	.16	2.5	3.99	.22	2.7	.00
9	5.20	.21	2.7	1.17	.17	2.6	4.03	.23	2.7	.00
10	6.11	.25	3.2	1.42	.20	3.2	4.69	.26	3.2	.00
11	6.96	.28	3.6	1.51	.21	3.3	5.45	.31	3.7	.00
12	6.23	.25	3.2	1.27	.18	2.8	4.96	.28	3.4	.00
Area	24.87			7.07			17.80			
Relief	2600.00			1460.00			-9999.00			
Slope	8.38			7.29			8.82			
Aspect	181.00			151.00			193.00			
Elevation	6090.00			6290.00			6010.00			
MAP	28.70			30.60			27.90			
Jan Prec	2.79			2.97			2.72			
Jul Prec	.81			.88			.79			
Jul Min T	44.90			44.50			45.10			
Jan Max T	38.80			37.40			39.30			
Soil Perm	1.64			1.61			1.65			
Yield	30.58			23.59			33.62			

Stream: S FK SPRAGUE R > SPRAGUE R - AB CAMP CR
 WAB ID #: 70800 # WABS ABOVE: 0

MO	WAB ID #	70800		Sum Upstream WABS			Flow	Difference		Difference With 50% Flow
		Flow	CSM % Ann	Flow	CSM % Ann	Flow		CSM % Ann		
1	1.60	.23	3.5	.00	.00	.0	.00	.00	.0	.00
2	1.92	.27	4.3	.00	.00	.0	.00	.00	.0	.00
3	4.75	.67	10.5	.00	.00	.0	.00	.00	.0	.00
4	12.40	1.75	27.5	.00	.00	.0	.00	.00	.0	.00
5	12.10	1.71	26.9	.00	.00	.0	.00	.00	.0	.00
6	4.18	.59	9.3	.00	.00	.0	.00	.00	.0	.00
7	1.60	.23	3.5	.00	.00	.0	.00	.00	.0	.00
8	1.13	.16	2.5	.00	.00	.0	.00	.00	.0	.00
9	1.17	.17	2.6	.00	.00	.0	.00	.00	.0	.00
10	1.42	.20	3.2	.00	.00	.0	.00	.00	.0	.00
11	1.51	.21	3.3	.00	.00	.0	.00	.00	.0	.00
12	1.27	.18	2.8	.00	.00	.0	.00	.00	.0	.00
Area		7.07			.00			.00		
Relief		1460.00			.00			.00		
Slope		7.29			.00			.00		
Aspect		151.00			.00			.00		
Elevation		6290.00			.00			.00		
MAP		30.60			.00			.00		
Jan Prec		2.97			.00			.00		
Jul Prec		.88			.00			.00		
Jul Min T		44.50			.00			.00		
Jan Max T		37.40			.00			.00		
Soil Perm		1.61			.00			.00		
Yield		23.59			.00			.00		

Stream: WILLIAMSON R > UPPER KLAMATH L - AB SPRAGUE R
WAB ID #: 70827 # WABS ABOVE: 2
Streams Above: 1 SPRING CR > WILLIAMSON R - AT MOUTH
2 WILLIAMSON R > UPPER KLAMATH L - AB SPRING CR

MO	WAB ID #	70827		Sum Upstream WABs			Flow	Difference		Difference With 50% Flow
		Flow	CSM % Ann	Flow	CSM % Ann	Flow		CSM % Ann		
1	585.00	.42	8.6	585.00	.43	8.6	.00	.00	.0	.00
2	708.00	.51	10.5	707.00	.51	10.4	1.00	.09	22.7	.00
3	833.00	.60	12.3	831.00	.60	12.3	2.00	.18	45.5	.00
4	876.00	.63	12.9	875.00	.64	12.9	1.00	.09	22.7	.00
5	670.00	.48	9.9	670.00	.49	9.9	.00	.00	.0	.00
6	507.00	.37	7.5	507.00	.37	7.5	.00	.00	.0	.00
7	392.00	.28	5.8	392.00	.28	5.8	.30	.03	6.8	.00
8	368.00	.27	5.4	368.00	.27	5.4	-.30	-.03	-6.8	.00
9	371.00	.27	5.5	371.00	.27	5.5	.30	.03	6.8	.00
10	373.00	.27	5.5	373.00	.27	5.5	.10	.01	2.3	.00
11	489.00	.35	7.2	489.00	.36	7.2	.00	.00	.0	.00
12	603.00	.43	8.9	603.00	.44	8.9	.00	.00	.0	.00
Area	1386.00			1375.00				11.09		
Relief	4620.00			-9999.00				-9999.00		
Slope	4.94			4.93				5.58		
Aspect	170.00			170.00				159.00		
Elevation	5090.00			5100.00				4320.00		
MAP	27.20			27.20				18.70		
Jan Prec	3.75			3.76				2.98		
Jul Prec	.55			.55				.31		
Jul Min T	40.00			40.00				39.50		
Jan Max T	38.20			38.20				39.50		
Soil Perm	12.90			13.00				7.05		
Yield	20.37			20.47				2.40		

Stream: SPRING CR > WILLIAMSON R - AT MOUTH
WAB ID #: 70818 # WABS ABOVE: 0

MO	WAB ID #	70818		Sum Upstream WABs			Flow	Difference		Difference With 50% Flow
		Flow	CSM % Ann	Flow	CSM % Ann	Flow		CSM % Ann		
1	301.00	14.16	8.3	.00	.00	.0	.00	.00	.0	.00
2	300.00	14.11	8.3	.00	.00	.0	.00	.00	.0	.00
3	301.00	14.16	8.3	.00	.00	.0	.00	.00	.0	.00
4	305.00	14.35	8.4	.00	.00	.0	.00	.00	.0	.00
5	306.00	14.39	8.4	.00	.00	.0	.00	.00	.0	.00
6	306.00	14.39	8.4	.00	.00	.0	.00	.00	.0	.00
7	305.00	14.35	8.4	.00	.00	.0	.00	.00	.0	.00
8	304.00	14.30	8.4	.00	.00	.0	.00	.00	.0	.00
9	303.00	14.25	8.3	.00	.00	.0	.00	.00	.0	.00
10	303.00	14.25	8.3	.00	.00	.0	.00	.00	.0	.00
11	302.00	14.21	8.3	.00	.00	.0	.00	.00	.0	.00
12	302.00	14.21	8.3	.00	.00	.0	.00	.00	.0	.00
Area		21.26			.00			.00		
Relief		1010.00			.00			.00		
Slope		3.97			.00			.00		
Aspect		167.00			.00			.00		
Elevation		4680.00			.00			.00		
MAP		25.30			.00			.00		
Jan Prec		3.90			.00			.00		
Jul Prec		.35			.00			.00		
Jul Min T		39.30			.00			.00		
Jan Max T		39.10			.00			.00		
Soil Perm		14.20			.00			.00		
Yield		766.88			.00			.00		

Stream: WILLIAMSON R > UPPER KLAMATH L - AB SPRING CR
WAB ID #: 70825 # WABS ABOVE: 1
Streams Above: 1 WILLIAMSON R > UPPER KLAMATH L - AT NF BOUNDARY (34S 7E 3 SESE)

MO	WAB ID #	70825		Sum Upstream WABs			Flow	Difference		Difference With 50% Flow
		Flow	CSM % Ann	Flow	CSM % Ann	CSM % Ann				
1	284.00	.21	9.1	273.00	.20	9.1	11.00	9.82	8.7	.00
2	407.00	.30	13.0	396.00	.29	13.2	11.00	9.82	8.7	.00
3	530.00	.39	16.9	519.00	.38	17.3	11.00	9.82	8.7	.00
4	570.00	.42	18.2	559.00	.41	18.6	11.00	9.82	8.7	.00
5	364.00	.27	11.6	354.00	.26	11.8	10.00	8.93	7.9	.00
6	201.00	.15	6.4	191.00	.14	6.3	10.00	8.93	7.9	.00
7	86.70	.06	2.8	77.10	.06	2.6	9.60	8.57	7.6	.00
8	64.30	.05	2.0	54.50	.04	1.8	9.80	8.75	7.8	.00
9	67.70	.05	2.2	57.60	.04	1.9	10.10	9.02	8.0	.00
10	69.90	.05	2.2	59.30	.04	2.0	10.60	9.46	8.4	.00
11	187.00	.14	6.0	176.00	.13	5.8	11.00	9.82	8.7	.00
12	301.00	.22	9.6	290.00	.21	9.6	11.00	9.82	8.7	.00
Area	1354.00			1353.00				1.12		
Relief	4620.00			4620.00				-9999.00		
Slope	4.95			4.95				.12		
Aspect	170.00			170.00				181.00		
Elevation	5110.00			5110.00				4200.00		
MAP	27.30			27.30				18.80		
Jan Prec	3.76			3.76				2.55		
Jul Prec	.55			.55				.55		
Jul Min T	40.00			40.00				40.00		
Jan Max T	38.20			38.20				39.40		
Soil Perm	12.90			12.90				11.70		
Yield	9.61			9.23				678.08		

Stream: WILLIAMSON R > UPPER KLAMATH L - AT NF BOUNDARY (34S 7E 3 SESE)
WAB ID #: 31420114 # WABS ABOVE: 2
Streams Above: 1 LARKIN CR > WILLIAMSON R - AT MOUTH
2 WILLIAMSON R > UPPER KLAMATH L - AT NF BOUNDARY (33S 7E 35 NESE)

MO	WAB ID # 31420114			Sum Upstream WABs			Difference			Difference
	Flow	CSM	% Ann	Flow	CSM	% Ann	Flow	CSM	% Ann	With 50% Flow
1	273.00	.20	9.1	273.00	.20	9.1	.20	.04	4.2	.00
2	396.00	.29	13.2	395.00	.29	13.2	1.00	.19	20.8	.00
3	519.00	.38	17.3	516.00	.38	17.2	3.20	.62	66.7	.00
4	559.00	.41	18.6	558.00	.41	18.6	1.20	.23	25.0	.00
5	354.00	.26	11.8	354.00	.26	11.8	.00	.00	.0	.00
6	191.00	.14	6.3	191.00	.14	6.4	-.20	-.04	-4.2	.00
7	77.10	.06	2.6	77.10	.06	2.6	.00	.00	.0	.00
8	54.50	.04	1.8	54.50	.04	1.8	.00	.00	.0	.00
9	57.60	.04	1.9	57.60	.04	1.9	.00	.00	.0	.00
10	59.30	.04	2.0	59.30	.04	2.0	.00	.00	.0	.00
11	176.00	.13	5.8	176.00	.13	5.9	-.40	-.08	-8.3	.00
12	290.00	.21	9.6	290.00	.22	9.7	-.20	-.04	-4.2	.00
Area	1353.00			1348.00					5.18	
Relief	4620.00			-9999.00					-9999.00	
Slope	4.95			4.95					5.06	
Aspect	170.00			170.00					190.00	
Elevation	5110.00			5110.00					4470.00	
MAP	27.30			27.30					22.50	
Jan Prec	3.76			3.76					3.59	
Jul Prec	.55			.55					.40	
Jul Min T	40.00			40.00					39.90	
Jan Max T	38.20			38.10					39.60	
Soil Perm	12.90			12.90					11.40	
Yield	9.23			9.24					4.66	

Stream: LARKIN CR > WILLIAMSON R - AT MOUTH
WAB ID #: 31420129 # WABS ABOVE: 0

MO	WAB ID # 31420129			Sum Upstream WABs			Flow	Difference		Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	
1	12.80	1.64	7.9	.00	.00	.0	.00	.00	.0	.00
2	15.00	1.92	9.3	.00	.00	.0	.00	.00	.0	.00
3	17.80	2.28	11.0	.00	.00	.0	.00	.00	.0	.00
4	16.80	2.15	10.4	.00	.00	.0	.00	.00	.0	.00
5	16.00	2.05	9.9	.00	.00	.0	.00	.00	.0	.00
6	14.20	1.82	8.8	.00	.00	.0	.00	.00	.0	.00
7	11.40	1.46	7.1	.00	.00	.0	.00	.00	.0	.00
8	11.10	1.42	6.9	.00	.00	.0	.00	.00	.0	.00
9	11.20	1.44	6.9	.00	.00	.0	.00	.00	.0	.00
10	11.40	1.46	7.1	.00	.00	.0	.00	.00	.0	.00
11	11.40	1.46	7.1	.00	.00	.0	.00	.00	.0	.00
12	12.20	1.56	7.6	.00	.00	.0	.00	.00	.0	.00
Area		7.80			.00			.00		
Relief		728.00			.00			.00		
Slope		3.86			.00			.00		
Aspect		250.00			.00			.00		
Elevation		4420.00			.00			.00		
MAP		19.60			.00			.00		
Jan Prec		3.01			.00			.00		
Jul Prec		.31			.00			.00		
Jul Min T		39.60			.00			.00		
Jan Max T		39.60			.00			.00		
Soil Perm		7.29			.00			.00		
Yield		119.55			.00			.00		

Stream: WILLIAMSON R > UPPER KLAMATH L - AT NF BOUNDARY (33S 7E 35 NESE)
WAB ID #: 31420148 # WABS ABOVE: 1
Streams Above: 1 WILLIAMSON R > UPPER KLAMATH L - AT LOWER END KIRK CAN

MO	WAB ID # 31420148			Sum Upstream WABS			Difference			Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann	Flow	CSM	% Ann	
1	260.00	.19	9.1	260.00	.19	9.1	.00	.00	.0	.00
2	380.00	.28	13.4	380.00	.28	13.4	.00	.00	.0	.00
3	498.00	.37	17.5	498.00	.37	17.5	.00	.00	.0	.00
4	541.00	.40	19.0	541.00	.40	19.0	.00	.00	.0	.00
5	338.00	.25	11.9	338.00	.25	11.9	.00	.00	.0	.00
6	177.00	.13	6.2	177.00	.13	6.2	.00	.00	.0	.00
7	65.70	.05	2.3	65.70	.05	2.3	.00	.00	.0	.00
8	43.40	.03	1.5	43.40	.03	1.5	.00	.00	.0	.00
9	46.40	.03	1.6	46.40	.03	1.6	.00	.00	.0	.00
10	47.90	.04	1.7	47.90	.04	1.7	.00	.00	.0	.00
11	165.00	.12	5.8	165.00	.12	5.8	.00	.00	.0	.00
12	278.00	.21	9.8	278.00	.21	9.8	.00	.00	.0	.00
Area	1340.00			1337.00					2.48	
Relief	4620.00			4620.00					-9999.00	
Slope	4.96			4.96					4.96	
Aspect	169.00			169.00					222.00	
Elevation	5110.00			5120.00					4540.00	
MAP	27.30			27.30					21.90	
Jan Prec	3.76			3.76					3.22	
Jul Prec	.55			.56					.01	
Jul Min T	40.00			40.00					39.50	
Jan Max T	38.10			38.10					39.80	
Soil Perm	13.00			13.00					10.80	
Yield	8.78			8.80					.00	

Stream: WILLIAMSON R > UPPER KLAMATH L - AT LOWER END KIRK CAN
WAB ID #: 31420126 # WABS ABOVE: 1
Streams Above: 1 WILLIAMSON R > UPPER KLAMATH L - AT KIRK

MO	WAB ID # 31420126			Sum Upstream WABs			Flow	Difference		Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	
1	260.00	.19	9.1	259.00	.20	9.2	1.00	.07	7.3	.00
2	380.00	.28	13.4	378.00	.29	13.4	2.00	.13	14.7	.00
3	498.00	.37	17.5	492.00	.37	17.4	6.00	.40	44.1	.00
4	541.00	.40	19.0	539.00	.41	19.1	2.00	.13	14.7	.00
5	338.00	.25	11.9	337.00	.25	11.9	1.00	.07	7.3	.00
6	177.00	.13	6.2	177.00	.13	6.3	.00	.00	.0	.00
7	65.70	.05	2.3	65.60	.05	2.3	.10	.01	.7	.00
8	43.40	.03	1.5	43.30	.03	1.5	.10	.01	.7	.00
9	46.40	.03	1.6	46.20	.03	1.6	.20	.01	1.5	.00
10	47.90	.04	1.7	47.70	.04	1.7	.20	.01	1.5	.00
11	165.00	.12	5.8	165.00	.12	5.8	.00	.00	.0	.00
12	278.00	.21	9.8	277.00	.21	9.8	1.00	.07	7.3	.00
Area	1337.00			1322.00				14.98		
Relief	4620.00			4410.00				-9999.00		
Slope	4.96			4.95				5.58		
Aspect	169.00			169.00				174.00		
Elevation	5120.00			5120.00				4760.00		
MAP	27.30			27.40				24.90		
Jan Prec	3.76			3.76				3.67		
Jul Prec	.56			.56				.38		
Jul Min T	40.00			40.00				39.50		
Jan Max T	38.10			38.10				39.40		
Soil Perm	13.00			13.00				12.90		
Yield	8.80			8.84				4.13		

Stream: WILLIAMSON R > UPPER KLAMATH L - AT KIRK
WAB ID #: 70828 # WABS ABOVE: 7
Streams Above: 1 HOG CR > WILLIAMSON R - AT MOUTH
2 SAND CR > WILLIAMSON R - AT MOUTH
3 SCOTT CR > WILLIAMSON R - AT MOUTH
4 YOSS CR > WILLIAMSON R - AT MOUTH
5 BIG SPRINGS CR > WILLIAMSON R - AT MOUTH
6 SKELLOCK DRAW > WILLIAMSON R - AT MOUTH
7 WILLIAMSON R > UPPER KLAMATH L - AT MILITARY CROSSING

MO	WAB ID #	70828		Sum Upstream WABS			Flow	Difference		Difference With 50% Flow
		Flow	CSM % Ann	Flow	CSM % Ann	Flow		CSM % Ann		
1	259.00	.20	9.2	167.00	.14	7.5	92.40	.54	15.0	.00
2	378.00	.29	13.4	214.00	.19	9.7	164.00	.95	26.7	.00
3	492.00	.37	17.4	255.00	.22	11.5	237.00	1.38	38.5	.00
4	539.00	.41	19.1	305.00	.27	13.8	234.00	1.36	38.1	.00
5	337.00	.25	11.9	302.00	.26	13.6	35.00	.20	5.7	.00
6*	177.00	.13	6.3	248.00	.22	11.2	-71.00	-.41	-11.6	.00
7*	65.60	.05	2.3	150.00	.13	6.8	-84.50	-.49	-13.8	.00
8*	43.30	.03	1.5	101.00	.09	4.6	-57.50	-.33	-9.4	.00
9*	46.20	.03	1.6	95.70	.08	4.3	-49.50	-.29	-8.1	.00
10*	47.70	.04	1.7	85.50	.07	3.9	-37.80	-.22	-6.2	.00
11	165.00	.12	5.8	117.00	.10	5.3	47.60	.28	7.8	.00
12	277.00	.21	9.8	172.00	.15	7.8	105.00	.61	17.1	.00
Area	1322.00			1151.00			171.90			
Relief	4410.00			-9999.00			-9999.00			
Slope	4.95			5.35			2.27			
Aspect	169.00			169.00			165.00			
Elevation	5120.00			5180.00			4730.00			
MAP	27.40			27.80			24.70			
Jan Prec	3.76			3.79			3.59			
Jul Prec	.56			.58			.42			
Jul Min T	40.00			40.00			40.10			
Jan Max T	38.10			38.00			38.70			
Soil Perm	13.00			13.60			9.10			
Yield	8.84			7.84			16.35			

Stream: HOG CR > WILLIAMSON R - AT MOUTH
WAB ID #: 31420101 # WABS ABOVE: 0

MO	WAB ID # 31420101			Sum Upstream WABs			Flow	Difference		Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	
1	2.30	.03	5.8	.00	.00	.0	.00	.00	.0	.00
2	2.61	.04	6.6	.00	.00	.0	.00	.00	.0	.00
3	2.66	.04	6.7	.00	.00	.0	.00	.00	.0	.00
4	5.42	.08	13.7	.00	.00	.0	.00	.00	.0	.00
5	15.20	.21	38.4	.00	.00	.0	.00	.00	.0	.00
6	6.99	.10	17.7	.00	.00	.0	.00	.00	.0	.00
7	1.04	.01	2.6	.00	.00	.0	.00	.00	.0	.00
8	.38	.01	1.0	.00	.00	.0	.00	.00	.0	.00
9	.35	.00	.9	.00	.00	.0	.00	.00	.0	.00
10	.26	.00	.7	.00	.00	.0	.00	.00	.0	.00
11	.37	.01	.9	.00	.00	.0	.00	.00	.0	.00
12	2.02	.03	5.1	.00	.00	.0	.00	.00	.0	.00
Area	70.92			.00				.00		
Relief	1810.00			.00				.00		
Slope	4.64			.00				.00		
Aspect	180.00			.00				.00		
Elevation	4870.00			.00				.00		
MAP	21.90			.00				.00		
Jan Prec	2.81			.00				.00		
Jul Prec	.54			.00				.00		
Jul Min T	39.60			.00				.00		
Jan Max T	39.50			.00				.00		
Soil Perm	15.20			.00				.00		
Yield	2.89			.00				.00		

Stream: SAND CR > WILLIAMSON R - AT MOUTH
 WAB ID #: 31420102 # WABS ABOVE: 1
 Streams Above: 1 SAND CR > WILLIAMSON R - AT NF BOUNDARY (31S 7E 29 NESW)

MO	WAB ID # 31420102			Sum Upstream WABs			Difference			Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann	Flow	CSM	% Ann	
1	17.50	.54	5.0	17.50	.63	5.0	.00	.00	.0	.00
2	17.30	.54	4.9	17.30	.62	4.9	.00	.00	.0	.00
3	17.70	.55	5.0	17.60	.63	5.0	.10	.02	6.7	.00
4	22.60	.70	6.4	22.40	.80	6.4	.20	.05	13.3	.00
5	41.10	1.28	11.7	40.50	1.46	11.5	.60	.14	40.0	.00
6	63.90	1.98	18.1	63.40	2.28	18.1	.50	.11	33.3	.00
7	51.80	1.61	14.7	51.70	1.86	14.7	.10	.02	6.7	.00
8	31.00	.96	8.8	31.00	1.11	8.8	.00	.00	.0	.00
9	27.80	.86	7.9	27.80	1.00	7.9	.00	.00	.0	.00
10	22.20	.69	6.3	22.20	.80	6.3	.00	.00	.0	.00
11	20.00	.62	5.7	20.00	.72	5.7	.00	.00	.0	.00
12	19.30	.60	5.5	19.30	.69	5.5	.00	.00	.0	.00
Area	32.20			27.83			4.37			
Relief	4200.00			4060.00			-9999.00			
Slope	10.60			12.10			1.24			
Aspect	144.00			148.00			113.00			
Elevation	5960.00			6160.00			4690.00			
MAP	41.50			43.80			26.30			
Jan Prec	6.00			6.35			3.80			
Jul Prec	.52			.55			.38			
Jul Min T	41.80			42.10			39.80			
Jan Max T	36.00			35.70			38.50			
Soil Perm	11.40			11.60			10.30			
Yield	29.87			32.54			1.48			

Stream: SAND CR > WILLIAMSON R - AT NF BOUNDARY (31S 7E 29 NESW)
WAB ID #: 31420145 # WABS ABOVE: 1
Streams Above: 1 SAND CR > WILLIAMSON R - AT NF BOUNDARY (31S 7E 31 SWSE)

MO	WAB ID # 31420145			Sum Upstream WABs			Difference			Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann	Flow	CSM	% Ann	
1	17.50	.63	5.0	17.30	.65	5.0	.20	.17	8.3	.00
2	17.30	.62	4.9	16.90	.63	4.8	.40	.34	16.7	.00
3	17.60	.63	5.0	17.00	.64	4.9	.60	.51	25.0	.00
4	22.40	.80	6.4	21.80	.82	6.3	.60	.51	25.0	.00
5	40.50	1.46	11.5	40.30	1.51	11.6	.20	.17	8.3	.00
6	63.40	2.28	18.1	63.30	2.38	18.2	.10	.08	4.2	.00
7	51.70	1.86	14.7	51.60	1.94	14.8	.10	.08	4.2	.00
8	31.00	1.11	8.8	31.00	1.16	8.9	.00	.00	.0	.00
9	27.80	1.00	7.9	27.80	1.04	8.0	.00	.00	.0	.00
10	22.20	.80	6.3	22.10	.83	6.3	.10	.08	4.2	.00
11	20.00	.72	5.7	20.00	.75	5.7	.00	.00	.0	.00
12	19.30	.69	5.5	19.20	.72	5.5	.10	.08	4.2	.00
Area	27.83			26.65				1.18		
Relief	4060.00			3950.00				-9999.00		
Slope	12.10			12.50				2.77		
Aspect	148.00			151.00				87.00		
Elevation	6160.00			6220.00				4850.00		
MAP	43.80			44.40				31.60		
Jan Prec	6.35			6.43				4.48		
Jul Prec	.55			.55				.50		
Jul Min T	42.10			42.20				40.60		
Jan Max T	35.70			35.60				38.00		
Soil Perm	11.60			11.60				11.70		
Yield	32.54			33.34				7.26		

Stream: SAND CR > WILLIAMSON R - AT NF BOUNDARY (31S 7E 31 SWSE)
WAB ID #: 31420122 # WABS ABOVE: 1
Streams Above: 1 SAND CR > WILLIAMSON R - AT CRATER L NP BOUNDARY

MO	WAB ID # 31420122			Sum Upstream WABS			Difference			Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann	Flow	CSM	% Ann	
1	17.30	.65	5.0	15.70	.68	4.8	1.60	.45	7.2	.00
2	16.90	.63	4.8	15.00	.65	4.6	1.90	.53	8.6	.00
3	17.00	.64	4.9	14.80	.64	4.5	2.20	.61	9.9	.00
4	21.80	.82	6.3	18.50	.80	5.7	3.30	.92	14.9	.00
5	40.30	1.51	11.6	36.70	1.59	11.3	3.60	1.00	16.3	.00
6	63.30	2.38	18.2	61.00	2.65	18.7	2.30	.64	10.4	.00
7	51.60	1.94	14.8	50.30	2.18	15.4	1.30	.36	5.9	.00
8	31.00	1.16	8.9	29.90	1.30	9.2	1.10	.31	5.0	.00
9	27.80	1.04	8.0	26.60	1.15	8.1	1.20	.33	5.4	.00
10	22.10	.83	6.3	20.90	.91	6.4	1.20	.33	5.4	.00
11	20.00	.75	5.7	18.90	.82	5.8	1.10	.31	5.0	.00
12	19.20	.72	5.5	17.90	.78	5.5	1.30	.36	5.9	.00
Area	26.65			23.06			3.59			
Relief	3950.00			3440.00			-9999.00			
Slope	12.50			13.40			6.53			
Aspect	151.00			152.00			145.00			
Elevation	6220.00			6350.00			5410.00			
MAP	44.40			45.10			39.60			
Jan Prec	6.43			6.54			5.76			
Jul Prec	.55			.56			.48			
Jul Min T	42.20			42.00			43.40			
Jan Max T	35.60			35.30			37.30			
Soil Perm	11.60			11.60			11.60			
Yield	33.34			35.49			17.59			

Stream: SAND CR > WILLIAMSON R - AT CRATER L NP BOUNDARY
 WAB ID #: 31420144 # WABS ABOVE: 0

MO	WAB ID # 31420144			Sum Upstream WABs			Flow	Difference		Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	
1	15.70	.68	4.8	.00	.00	.0	.00	.00	.0	.00
2	15.00	.65	4.6	.00	.00	.0	.00	.00	.0	.00
3	14.80	.64	4.5	.00	.00	.0	.00	.00	.0	.00
4	18.50	.80	5.7	.00	.00	.0	.00	.00	.0	.00
5	36.70	1.59	11.3	.00	.00	.0	.00	.00	.0	.00
6	61.00	2.65	18.7	.00	.00	.0	.00	.00	.0	.00
7	50.30	2.18	15.4	.00	.00	.0	.00	.00	.0	.00
8	29.90	1.30	9.2	.00	.00	.0	.00	.00	.0	.00
9	26.60	1.15	8.1	.00	.00	.0	.00	.00	.0	.00
10	20.90	.91	6.4	.00	.00	.0	.00	.00	.0	.00
11	18.90	.82	5.8	.00	.00	.0	.00	.00	.0	.00
12	17.90	.78	5.5	.00	.00	.0	.00	.00	.0	.00
Area	23.06			.00				.00		
Relief	3440.00			.00				.00		
Slope	13.40			.00				.00		
Aspect	152.00			.00				.00		
Elevation	6350.00			.00				.00		
MAP	45.10			.00				.00		
Jan Prec	6.54			.00				.00		
Jul Prec	.56			.00				.00		
Jul Min T	42.00			.00				.00		
Jan Max T	35.30			.00				.00		
Soil Perm	11.60			.00				.00		
Yield	35.49			.00				.00		

Stream: SCOTT CR > WILLIAMSON R - AT MOUTH
WAB ID #: 31420105 # WABS ABOVE: 1
Streams Above: 1 SCOTT CR > WILLIAMSON R - AT NF BOUNDARY (31S 7E 18 SWNE)

MO	WAB ID # 31420105			Sum Upstream WABs			Difference			Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann	Flow	CSM	% Ann	
1	7.77	.20	4.4	6.83	.97	4.4	.94	.03	4.3	.00
2	7.45	.19	4.2	6.57	.93	4.2	.88	.03	4.0	.00
3	7.63	.19	4.3	6.68	.94	4.3	.95	.03	4.4	.00
4	10.70	.27	6.0	8.79	1.24	5.7	1.91	.06	8.8	.00
5	26.60	.67	15.0	18.90	2.67	12.2	7.70	.24	35.3	.00
6	38.20	.97	21.6	32.30	4.57	20.8	5.90	.18	27.1	.00
7	26.30	.67	14.8	25.10	3.55	16.2	1.20	.04	5.5	.00
8	14.00	.35	7.9	13.50	1.91	8.7	.50	.02	2.3	.00
9	12.20	.31	6.9	11.80	1.67	7.6	.40	.01	1.8	.00
10	9.34	.24	5.3	9.05	1.28	5.8	.29	.01	1.3	.00
11	8.31	.21	4.7	8.04	1.14	5.2	.27	.01	1.2	.00
12	8.69	.22	4.9	7.84	1.11	5.1	.85	.03	3.9	.00
Area	39.48			7.07			32.41			
Relief	4220.00			4020.00			-9999.00			
Slope	7.83			16.00			6.05			
Aspect	120.00			123.00			119.00			
Elevation	5130.00			6170.00			4900.00			
MAP	30.50			40.00			28.50			
Jan Prec	4.36			5.60			4.09			
Jul Prec	.45			.54			.43			
Jul Min T	40.60			41.50			40.40			
Jan Max T	37.60			35.60			38.10			
Soil Perm	11.70			12.70			11.50			
Yield	16.63			62.21			2.67			

Stream: SCOTT CR > WILLIAMSON R - AT NF BOUNDARY (31S 7E 18 SWNE)
WAB ID #: 31420143 # WABS ABOVE: 1
Streams Above: 1 SCOTT CR > WILLIAMSON R - AT CRATER L NP BOUNDARY

MO	WAB ID # 31420143			Sum Upstream WABs			Flow	Difference		Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	
1	6.83	.97	4.4	.90	.84	2.9	5.93	.99	4.8	.00
2	6.57	.93	4.2	.70	.65	2.3	5.87	.98	4.7	.00
3	6.68	.94	4.3	.69	.64	2.2	5.99	1.00	4.8	.00
4	8.79	1.24	5.7	1.01	.94	3.3	7.78	1.30	6.3	.00
5	18.90	2.67	12.2	3.41	3.19	11.0	15.50	2.58	12.4	.00
6	32.30	4.57	20.8	7.79	7.28	25.2	24.50	4.09	19.7	.00
7	25.10	3.55	16.2	5.97	5.58	19.3	19.10	3.19	15.4	.00
8	13.50	1.91	8.7	3.07	2.87	9.9	10.40	1.74	8.4	.00
9	11.80	1.67	7.6	2.76	2.58	8.9	9.04	1.51	7.3	.00
10	9.05	1.28	5.8	2.00	1.87	6.5	7.05	1.18	5.7	.00
11	8.04	1.14	5.2	1.51	1.41	4.9	6.53	1.09	5.3	.00
12	7.84	1.11	5.1	1.11	1.04	3.6	6.73	1.12	5.4	.00
Area		7.07			1.07				6.00	
Relief		4020.00			2370.00				-9999.00	
Slope		16.00			23.80				14.60	
Aspect		123.00			126.00				122.00	
Elevation		6170.00			7220.00				5980.00	
MAP		40.00			41.10				39.80	
Jan Prec		5.60			6.02				5.53	
Jul Prec		.54			.42				.56	
Jul Min T		41.50			40.70				41.60	
Jan Max T		35.60			34.40				35.80	
Soil Perm		12.70			11.30				13.00	
Yield		62.21			79.55				59.01	

Stream: SCOTT CR > WILLIAMSON R - AT CRATER L NP BOUNDARY
 WAB ID #: 31420120 # WABS ABOVE: 0

MO	WAB ID # 31420120			Sum Upstream WABS			Difference			Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann	Flow	CSM	% Ann	
1	.90	.84	2.9	.00	.00	.0	.00	.00	.0	.00
2	.70	.65	2.3	.00	.00	.0	.00	.00	.0	.00
3	.69	.64	2.2	.00	.00	.0	.00	.00	.0	.00
4	1.01	.94	3.3	.00	.00	.0	.00	.00	.0	.00
5	3.41	3.19	11.0	.00	.00	.0	.00	.00	.0	.00
6	7.79	7.28	25.2	.00	.00	.0	.00	.00	.0	.00
7	5.97	5.58	19.3	.00	.00	.0	.00	.00	.0	.00
8	3.07	2.87	9.9	.00	.00	.0	.00	.00	.0	.00
9	2.76	2.58	8.9	.00	.00	.0	.00	.00	.0	.00
10	2.00	1.87	6.5	.00	.00	.0	.00	.00	.0	.00
11	1.51	1.41	4.9	.00	.00	.0	.00	.00	.0	.00
12	1.11	1.04	3.6	.00	.00	.0	.00	.00	.0	.00
Area		1.07			.00			.00		
Relief		2370.00			.00			.00		
Slope		23.80			.00			.00		
Aspect		126.00			.00			.00		
Elevation		7220.00			.00			.00		
MAP		41.10			.00			.00		
Jan Prec		6.02			.00			.00		
Jul Prec		.42			.00			.00		
Jul Min T		40.70			.00			.00		
Jan Max T		34.40			.00			.00		
Soil Perm		11.30			.00			.00		
Yield		79.55			.00			.00		

Stream: YOSS CR > WILLIAMSON R - AT MOUTH
 WAB ID #: 31420103 # WABS ABOVE: 0

MO	WAB ID # 31420103			Sum Upstream WABs			Flow	Difference		Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	
1	.16	.01	2.9	.00	.00	.0	.00	.00	.0	.00
2	.28	.02	5.1	.00	.00	.0	.00	.00	.0	.00
3	.63	.04	11.5	.00	.00	.0	.00	.00	.0	.00
4	1.53	.10	27.8	.00	.00	.0	.00	.00	.0	.00
5	1.92	.12	34.9	.00	.00	.0	.00	.00	.0	.00
6	.41	.03	7.4	.00	.00	.0	.00	.00	.0	.00
7	.09	.01	1.6	.00	.00	.0	.00	.00	.0	.00
8	.05	.00	.9	.00	.00	.0	.00	.00	.0	.00
9	.06	.00	1.1	.00	.00	.0	.00	.00	.0	.00
10	.10	.01	1.8	.00	.00	.0	.00	.00	.0	.00
11	.13	.01	2.4	.00	.00	.0	.00	.00	.0	.00
12	.14	.01	2.5	.00	.00	.0	.00	.00	.0	.00
Area	15.42				.00			.00		
Relief	1010.00				.00			.00		
Slope	7.55				.00			.00		
Aspect	187.00				.00			.00		
Elevation	4950.00				.00			.00		
MAP	22.40				.00			.00		
Jan Prec	2.79				.00			.00		
Jul Prec	.62				.00			.00		
Jul Min T	39.60				.00			.00		
Jan Max T	39.40				.00			.00		
Soil Perm	16.10				.00			.00		
Yield	1.80				.00			.00		

Stream: BIG SPRINGS CR > WILLIAMSON R - AT MOUTH

WAB ID #: 31420106 # WABS ABOVE: 8

- Streams Above:
- 1 POTHOLE CR > ANTELOPE DESERT - AT CRATER L NP BOUNDARY
 - 2 BEAR CR > ANTELOPE DESERT - AT CRATER L NP BOUNDARY
 - 3 SILENT CR > ANTELOPE DESERT - AT CRATER L NP BOUNDARY
 - 4 DESERT CR > ANTELOPE DESERT - AT CRATER L NP BOUNDARY
 - 5 UNN STR > ANTELOPE DESERT - AT CRATER L NP BOUNDARY
 - 6 COTTONWOOD CR > ANTELOPE DESERT - AT NF BOUNDARY (28S 6E 36 SENE)
 - 7 SINK CR > ANTELOPE DESERT - AT NF BOUNDARY (28S 6E 13 NENE)
 - 8 MILLER CR > ANTELOPE DESERT - AT NF BOUNDARY (27S 7E 32 SENE)

MO	WAB ID #	31420106			Sum Upstream WABS			Difference		
		Flow	CSM	% Ann	Flow	CSM	% Ann	Flow	CSM	% Ann
1*	34.70	.08	5.8	45.40	.55	6.0	-10.60	-.03	6.8	.00
2*	34.10	.08	5.7	44.90	.55	6.0	-10.80	-.03	6.9	.00
3*	38.40	.08	6.4	52.20	.64	6.9	-13.80	-.04	8.9	.00
4*	58.30	.13	9.8	58.90	.72	7.8	-.63	.00	.4	.00
5*	91.40	.20	15.3	102.00	1.24	13.6	-10.60	-.03	6.8	.00
6*	83.10	.18	14.0	141.00	1.72	18.8	-58.20	-.16	37.4	.00
7*	52.90	.12	8.9	98.00	1.19	13.0	-45.10	-.12	28.9	.00
8*	44.50	.10	7.5	53.10	.65	7.1	-8.60	-.02	5.5	.00
9	44.10	.10	7.4	42.60	.52	5.7	1.50	.00	-1.0	.00
10	41.60	.09	7.0	39.10	.48	5.2	2.51	.01	-1.6	.00
11	36.50	.08	6.1	36.10	.44	4.8	.39	.00	-.3	.00
12*	35.90	.08	6.0	37.70	.46	5.0	-1.81	.00	1.2	.00
Area	452.70			82.06			370.60			
Relief	4260.00			-9999.00			-9999.00			
Slope	5.44			11.70			4.06			
Aspect	151.00			129.00			155.00			
Elevation	5290.00			6290.00			5070.00			
MAP	31.30			44.70			28.30			
Jan Prec	4.43			5.98			4.09			
Jul Prec	.54			.68			.51			
Jul Min T	39.80			39.50			39.90			
Jan Max T	37.40			36.00			37.70			
Soil Perm	11.90			9.35			12.40			
Yield	4.76			23.16			-1.68			

Stream: POTHOLE CR > ANTELOPE DESERT - AT CRATER L NP BOUNDARY

WAB ID #: 31420119 # WABS ABOVE: 0

MO	WAB ID # 31420119			Sum Upstream WABs			Flow	Difference		Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	
1	1.19	.56	3.4	.00	.00	.0	.00	.00	.0	.00
2	1.21	.57	3.5	.00	.00	.0	.00	.00	.0	.00
3	1.54	.72	4.4	.00	.00	.0	.00	.00	.0	.00
4	2.13	1.00	6.1	.00	.00	.0	.00	.00	.0	.00
5	4.30	2.02	12.4	.00	.00	.0	.00	.00	.0	.00
6	7.28	3.42	21.0	.00	.00	.0	.00	.00	.0	.00
7	5.71	2.68	16.4	.00	.00	.0	.00	.00	.0	.00
8	3.11	1.46	8.9	.00	.00	.0	.00	.00	.0	.00
9	2.94	1.38	8.5	.00	.00	.0	.00	.00	.0	.00
10	2.20	1.03	6.3	.00	.00	.0	.00	.00	.0	.00
11	1.71	.80	4.9	.00	.00	.0	.00	.00	.0	.00
12	1.42	.67	4.1	.00	.00	.0	.00	.00	.0	.00
Area		2.13			.00			.00		
Relief		2610.00			.00			.00		
Slope		19.80			.00			.00		
Aspect		117.00			.00			.00		
Elevation		7280.00			.00			.00		
MAP		40.90			.00			.00		
Jan Prec		5.98			.00			.00		
Jul Prec		.42			.00			.00		
Jul Min T		40.50			.00			.00		
Jan Max T		34.30			.00			.00		
Soil Perm		6.96			.00			.00		
Yield		45.15			.00			.00		

Stream: BEAR CR > ANTELOPE DESERT - AT CRATER L NP BOUNDARY
WAB ID #: 31420117 # WABS ABOVE: 0

MO	WAB ID # 31420117			Sum Upstream WABS			Difference			Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann	Flow	CSM	% Ann	
1	2.49	.52	4.7	.00	.00	.0	.00	.00	.0	.00
2	2.80	.59	5.3	.00	.00	.0	.00	.00	.0	.00
3	3.38	.71	6.4	.00	.00	.0	.00	.00	.0	.00
4	4.19	.88	7.9	.00	.00	.0	.00	.00	.0	.00
5	6.49	1.36	12.2	.00	.00	.0	.00	.00	.0	.00
6	9.48	1.99	17.9	.00	.00	.0	.00	.00	.0	.00
7	6.89	1.45	13.0	.00	.00	.0	.00	.00	.0	.00
8	4.15	.87	7.8	.00	.00	.0	.00	.00	.0	.00
9	4.16	.87	7.8	.00	.00	.0	.00	.00	.0	.00
10	3.36	.71	6.3	.00	.00	.0	.00	.00	.0	.00
11	2.79	.59	5.3	.00	.00	.0	.00	.00	.0	.00
12	2.82	.59	5.3	.00	.00	.0	.00	.00	.0	.00
Area		4.76			.00			.00		
Relief		2410.00			.00			.00		
Slope		15.60			.00			.00		
Aspect		133.00			.00			.00		
Elevation		6560.00			.00			.00		
MAP		34.10			.00			.00		
Jan Prec		5.00			.00			.00		
Jul Prec		.34			.00			.00		
Jul Min T		40.20			.00			.00		
Jan Max T		34.70			.00			.00		
Soil Perm		10.40			.00			.00		
Yield		36.98			.00			.00		

Stream: SILENT CR > ANTELOPE DESERT - AT CRATER L NP BOUNDARY
 WAB ID #: 31420124 # WABS ABOVE: 0

MO	WAB ID # 31420124			Sum Upstream WABs			Flow	Difference		Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	
1	.65	.33	8.2	.00	.00	.0	.00	.00	.0	.00
2	.70	.36	8.9	.00	.00	.0	.00	.00	.0	.00
3	.89	.46	11.3	.00	.00	.0	.00	.00	.0	.00
4	.95	.49	12.0	.00	.00	.0	.00	.00	.0	.00
5	1.04	.54	13.2	.00	.00	.0	.00	.00	.0	.00
6	.84	.43	10.6	.00	.00	.0	.00	.00	.0	.00
7	.44	.23	5.6	.00	.00	.0	.00	.00	.0	.00
8	.36	.19	4.6	.00	.00	.0	.00	.00	.0	.00
9	.45	.23	5.7	.00	.00	.0	.00	.00	.0	.00
10	.51	.26	6.5	.00	.00	.0	.00	.00	.0	.00
11	.54	.28	6.8	.00	.00	.0	.00	.00	.0	.00
12	.52	.27	6.6	.00	.00	.0	.00	.00	.0	.00
Area		1.94			.00			.00		
Relief		1010.00			.00			.00		
Slope		11.70			.00			.00		
Aspect		151.00			.00			.00		
Elevation		5840.00			.00			.00		
MAP		28.30			.00			.00		
Jan Prec		4.48			.00			.00		
Jul Prec		.26			.00			.00		
Jul Min T		40.70			.00			.00		
Jan Max T		36.80			.00			.00		
Soil Perm		13.00			.00			.00		
Yield		16.27			.00			.00		

Stream: DESERT CR > ANTELOPE DESERT - AT CRATER L NP BOUNDARY
WAB ID #: 31420116 # WABS ABOVE: 0

MO	WAB ID # 31420116			Sum Upstream WABS			Flow	Difference		Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	
1	14.60	.45	6.2	.00	.00	.0	.00	.00	.0	.00
2	18.70	.58	7.9	.00	.00	.0	.00	.00	.0	.00
3	23.00	.71	9.7	.00	.00	.0	.00	.00	.0	.00
4	25.30	.78	10.7	.00	.00	.0	.00	.00	.0	.00
5	24.80	.77	10.5	.00	.00	.0	.00	.00	.0	.00
6	28.80	.89	12.1	.00	.00	.0	.00	.00	.0	.00
7	25.70	.80	10.8	.00	.00	.0	.00	.00	.0	.00
8	17.40	.54	7.3	.00	.00	.0	.00	.00	.0	.00
9	16.30	.51	6.9	.00	.00	.0	.00	.00	.0	.00
10	13.90	.43	5.9	.00	.00	.0	.00	.00	.0	.00
11	13.30	.41	5.6	.00	.00	.0	.00	.00	.0	.00
12	15.30	.47	6.4	.00	.00	.0	.00	.00	.0	.00
Area		32.25			.00			.00		
Relief		2720.00			.00			.00		
Slope		8.93			.00			.00		
Aspect		142.00			.00			.00		
Elevation		6200.00			.00			.00		
MAP		45.50			.00			.00		
Jan Prec		6.46			.00			.00		
Jul Prec		.60			.00			.00		
Jul Min T		40.20			.00			.00		
Jan Max T		35.60			.00			.00		
Soil Perm		11.80			.00			.00		
Yield		18.30			.00			.00		

Stream: UNN STR > ANTELOPE DESERT - AT CRATER L NP BOUNDARY
 WAB ID #: 31420123 # WABS ABOVE: 0

MO	WAB ID # 31420123			Sum Upstream WABs			Flow	Difference		Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	
1	1.66	.34	4.3	.00	.00	.0	.00	.00	.0	.00
2	2.11	.43	5.5	.00	.00	.0	.00	.00	.0	.00
3	2.53	.52	6.6	.00	.00	.0	.00	.00	.0	.00
4	2.71	.56	7.1	.00	.00	.0	.00	.00	.0	.00
5	5.15	1.06	13.5	.00	.00	.0	.00	.00	.0	.00
6	6.40	1.31	16.8	.00	.00	.0	.00	.00	.0	.00
7	6.63	1.36	17.4	.00	.00	.0	.00	.00	.0	.00
8	3.22	.66	8.4	.00	.00	.0	.00	.00	.0	.00
9	1.88	.39	4.9	.00	.00	.0	.00	.00	.0	.00
10	2.28	.47	6.0	.00	.00	.0	.00	.00	.0	.00
11	1.82	.37	4.8	.00	.00	.0	.00	.00	.0	.00
12	1.76	.36	4.6	.00	.00	.0	.00	.00	.0	.00
Area		4.88			.00			.00		
Relief		1570.00			.00			.00		
Slope		6.24			.00			.00		
Aspect		129.00			.00			.00		
Elevation		5820.00			.00			.00		
MAP		45.10			.00			.00		
Jan Prec		6.01			.00			.00		
Jul Prec		.73			.00			.00		
Jul Min T		40.10			.00			.00		
Jan Max T		37.60			.00			.00		
Soil Perm		13.00			.00			.00		
Yield		19.63			.00			.00		

Stream: COTTONWOOD CR > ANTELOPE DESERT - AT NF BOUNDARY (28S 6E 36 SENE)

WAB ID #: 31420140

WABS ABOVE: 0

MO	WAB ID # 31420140			Sum Upstream WABs			Difference			Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann	Flow	CSM	% Ann	
1	2.54	.43	3.2	.00	.00	.0	.00	.00	.0	.00
2	2.28	.39	2.9	.00	.00	.0	.00	.00	.0	.00
3	2.02	.34	2.5	.00	.00	.0	.00	.00	.0	.00
4	2.29	.39	2.9	.00	.00	.0	.00	.00	.0	.00
5	8.69	1.47	11.0	.00	.00	.0	.00	.00	.0	.00
6	20.00	3.38	25.3	.00	.00	.0	.00	.00	.0	.00
7	18.50	3.13	23.4	.00	.00	.0	.00	.00	.0	.00
8	7.30	1.23	9.2	.00	.00	.0	.00	.00	.0	.00
9	3.80	.64	4.8	.00	.00	.0	.00	.00	.0	.00
10	4.49	.76	5.7	.00	.00	.0	.00	.00	.0	.00
11	4.20	.71	5.3	.00	.00	.0	.00	.00	.0	.00
12	3.07	.52	3.9	.00	.00	.0	.00	.00	.0	.00
Area		5.92			.00			.00		
Relief		3240.00			.00			.00		
Slope		18.80			.00			.00		
Aspect		123.00			.00			.00		
Elevation		6160.00			.00			.00		
MAP		45.00			.00			.00		
Jan Prec		5.73			.00			.00		
Jul Prec		.73			.00			.00		
Jul Min T		39.90			.00			.00		
Jan Max T		37.40			.00			.00		
Soil Perm		7.56			.00			.00		
Yield		33.68			.00			.00		

Stream: SINK CR > ANTELOPE DESERT - AT NF BOUNDARY (28S 6E 13 NENE)

WAB ID #: 31420139 # WABS ABOVE: 0

MO	WAB ID # 31420139			Sum Upstream WABs			Flow	Difference		Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	
1	4.42	.46	4.6	.00	.00	.0	.00	.00	.0	.00
2	5.82	.60	6.1	.00	.00	.0	.00	.00	.0	.00
3	5.48	.57	5.7	.00	.00	.0	.00	.00	.0	.00
4	5.36	.56	5.6	.00	.00	.0	.00	.00	.0	.00
5	12.60	1.31	13.2	.00	.00	.0	.00	.00	.0	.00
6	27.80	2.89	29.1	.00	.00	.0	.00	.00	.0	.00
7	11.90	1.24	12.5	.00	.00	.0	.00	.00	.0	.00
8	5.86	.61	6.1	.00	.00	.0	.00	.00	.0	.00
9	4.28	.44	4.5	.00	.00	.0	.00	.00	.0	.00
10	4.00	.42	4.2	.00	.00	.0	.00	.00	.0	.00
11	3.69	.38	3.9	.00	.00	.0	.00	.00	.0	.00
12	4.30	.45	4.5	.00	.00	.0	.00	.00	.0	.00
Area		9.63			.00			.00		
Relief		2740.00			.00			.00		
Slope		15.90			.00			.00		
Aspect		114.00			.00			.00		
Elevation		6600.00			.00			.00		
MAP		51.50			.00			.00		
Jan Prec		6.21			.00			.00		
Jul Prec		.89			.00			.00		
Jul Min T		38.50			.00			.00		
Jan Max T		36.70			.00			.00		
Soil Perm		5.09			.00			.00		
Yield		21.80			.00			.00		

Stream: MILLER CR > ANTELOPE DESERT - AT NF BOUNDARY (27S 7E 32 SENE)

WAB ID #: 31420113

WABS ABOVE: 0

MO	WAB ID # 31420113			Sum Upstream WABs			Difference			Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann	Flow	CSM	% Ann	
1	17.80	.87	8.6	.00	.00	.0	.00	.00	.0	.00
2	11.30	.55	5.5	.00	.00	.0	.00	.00	.0	.00
3	13.40	.65	6.5	.00	.00	.0	.00	.00	.0	.00
4	16.00	.78	7.8	.00	.00	.0	.00	.00	.0	.00
5	38.90	1.89	18.9	.00	.00	.0	.00	.00	.0	.00
6	40.70	1.98	19.8	.00	.00	.0	.00	.00	.0	.00
7	22.20	1.08	10.8	.00	.00	.0	.00	.00	.0	.00
8	11.70	.57	5.7	.00	.00	.0	.00	.00	.0	.00
9	8.79	.43	4.3	.00	.00	.0	.00	.00	.0	.00
10	8.35	.41	4.1	.00	.00	.0	.00	.00	.0	.00
11	8.06	.39	3.9	.00	.00	.0	.00	.00	.0	.00
12	8.52	.41	4.1	.00	.00	.0	.00	.00	.0	.00
Area		20.56			.00			.00		
Relief		2870.00			.00			.00		
Slope		11.50			.00			.00		
Aspect		117.00			.00			.00		
Elevation		6300.00			.00			.00		
MAP		44.70			.00			.00		
Jan Prec		5.55			.00			.00		
Jul Prec		.82			.00			.00		
Jul Min T		38.20			.00			.00		
Jan Max T		36.10			.00			.00		
Soil Perm		6.85			.00			.00		
Yield		25.35			.00			.00		

Stream: SKELLOCK DRAW > WILLIAMSON R - AT MOUTH
 WAB ID #: 31420104 # WABS ABOVE: 0

MO	WAB ID # 31420104			Sum Upstream WABs			Flow	Difference		Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	
1	.22	.01	2.3	.00	.00	.0	.00	.00	.0	.00
2	.49	.01	5.1	.00	.00	.0	.00	.00	.0	.00
3	1.41	.04	14.6	.00	.00	.0	.00	.00	.0	.00
4	3.41	.10	35.2	.00	.00	.0	.00	.00	.0	.00
5	2.83	.08	29.2	.00	.00	.0	.00	.00	.0	.00
6	.48	.01	5.0	.00	.00	.0	.00	.00	.0	.00
7	.12	.00	1.2	.00	.00	.0	.00	.00	.0	.00
8	.08	.00	.8	.00	.00	.0	.00	.00	.0	.00
9	.10	.00	1.0	.00	.00	.0	.00	.00	.0	.00
10	.17	.00	1.8	.00	.00	.0	.00	.00	.0	.00
11	.18	.01	1.9	.00	.00	.0	.00	.00	.0	.00
12	.19	.01	2.0	.00	.00	.0	.00	.00	.0	.00

Area	34.27				.00			.00		
Relief	807.00				.00			.00		
Slope	4.73				.00			.00		
Aspect	162.00				.00			.00		
Elevation	4840.00				.00			.00		
MAP	21.00				.00			.00		
Jan Prec	2.76				.00			.00		
Jul Prec	.55				.00			.00		
Jul Min T	39.80				.00			.00		
Jan Max T	39.20				.00			.00		
Soil Perm	16.10				.00			.00		
Yield	1.52				.00			.00		

Stream: WILLIAMSON R > UPPER KLAMATH L - AT MILITARY CROSSING
WAB ID #: 31420107 # WABS ABOVE: 3
Streams Above: 1 GOD CR > WILLIAMSON R - AT MOUTH
2 MOSQUITO CR > WILLIAMSON R - AT MOUTH
3 WILLIAMSON R > UPPER KLAMATH L - AB KLAMATH MARSH

MO	WAB ID # 31420107			Sum Upstream WABs			Difference			Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann	Flow	CSM	% Ann	
1	104.00	.21	10.1	77.90	.19	6.8	26.20	.29	-24.5	.00
2	152.00	.30	14.7	83.90	.20	7.4	68.10	.75	-63.9	.00
3	187.00	.37	18.1	97.30	.23	8.5	89.70	.99	-84.1	.00
4	203.00	.40	19.6	141.00	.34	12.4	61.70	.68	-57.8	.00
5*	123.00	.24	11.9	167.00	.40	14.7	-44.50	-.49	41.7	.00
6*	54.90	.11	5.3	136.00	.33	11.9	-80.80	-.89	75.7	.00
7*	17.80	.04	1.7	78.10	.19	6.8	-60.30	-.66	56.5	.00
8*	10.80	.02	1.0	65.90	.16	5.8	-55.10	-.61	51.6	.00
9*	11.10	.02	1.1	68.40	.17	6.0	-57.30	-.63	53.7	.00
10*	11.80	.02	1.1	72.60	.18	6.4	-60.80	-.67	57.0	.00
11*	51.90	.10	5.0	73.10	.18	6.4	-21.20	-.23	19.8	.00
12	106.00	.21	10.3	78.50	.19	6.9	27.50	.30	-25.8	.00
Area	505.60			414.70			90.96			
Relief	3590.00			-9999.00			-9999.00			
Slope	4.82			5.47			1.86			
Aspect	190.00			191.00			189.00			
Elevation	5110.00			5210.00			4640.00			
MAP	24.90			25.70			21.60			
Jan Prec	3.27			3.33			2.98			
Jul Prec	.63			.66			.51			
Jul Min T	40.20			40.30			39.50			
Jan Max T	38.40			38.50			38.40			
Soil Perm	14.90			15.60			11.60			
Yield	9.27			12.12			-6.15			

Stream: GOD CR > WILLIAMSON R - AT MOUTH
WAB ID #: 31420108 # WABS ABOVE: 0

MO	WAB ID # 31420108			Sum Upstream WABs			Flow	Difference		Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	
1	.45	.03	6.8	.00	.00	.0	.00	.00	.0	.00
2	.46	.04	7.0	.00	.00	.0	.00	.00	.0	.00
3	.34	.03	5.2	.00	.00	.0	.00	.00	.0	.00
4	.45	.03	6.8	.00	.00	.0	.00	.00	.0	.00
5	1.41	.11	21.5	.00	.00	.0	.00	.00	.0	.00
6	1.54	.12	23.4	.00	.00	.0	.00	.00	.0	.00
7	.44	.03	6.7	.00	.00	.0	.00	.00	.0	.00
8	.25	.02	3.8	.00	.00	.0	.00	.00	.0	.00
9	.19	.01	2.9	.00	.00	.0	.00	.00	.0	.00
10	.20	.02	3.0	.00	.00	.0	.00	.00	.0	.00
11	.34	.03	5.2	.00	.00	.0	.00	.00	.0	.00
12	.50	.04	7.6	.00	.00	.0	.00	.00	.0	.00
Area	13.11									.00
Relief	1820.00									.00
Slope	8.13									.00
Aspect	193.00									.00
Elevation	5230.00									.00
MAP	28.20									.00
Jan Prec	3.97									.00
Jul Prec	.64									.00
Jul Min T	39.60									.00
Jan Max T	37.80									.00
Soil Perm	16.10									.00
Yield	2.01									.00

Stream: MOSQUITO CR > WILLIAMSON R - AT MOUTH
 WAB ID #: 31420109 # WABS ABOVE: 0

MO	WAB ID # 31420109			Sum Upstream WABS			Flow	Difference		
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	With 50% Flow
1	.50	.02	5.3	.00	.00	.0	.00	.00	.0	.00
2	.61	.02	6.4	.00	.00	.0	.00	.00	.0	.00
3	.63	.02	6.6	.00	.00	.0	.00	.00	.0	.00
4	.85	.03	8.9	.00	.00	.0	.00	.00	.0	.00
5	2.07	.08	21.8	.00	.00	.0	.00	.00	.0	.00
6	2.13	.08	22.4	.00	.00	.0	.00	.00	.0	.00
7	.71	.03	7.5	.00	.00	.0	.00	.00	.0	.00
8	.42	.02	4.4	.00	.00	.0	.00	.00	.0	.00
9	.33	.01	3.5	.00	.00	.0	.00	.00	.0	.00
10	.33	.01	3.5	.00	.00	.0	.00	.00	.0	.00
11	.42	.02	4.4	.00	.00	.0	.00	.00	.0	.00
12	.51	.02	5.4	.00	.00	.0	.00	.00	.0	.00
Area		26.84			.00			.00		
Relief		1710.00			.00			.00		
Slope		4.12			.00			.00		
Aspect		147.00			.00			.00		
Elevation		5150.00			.00			.00		
MAP		28.40			.00			.00		
Jan Prec		3.97			.00			.00		
Jul Prec		.64			.00			.00		
Jul Min T		39.90			.00			.00		
Jan Max T		37.90			.00			.00		
Soil Perm		16.10			.00			.00		
Yield		1.41			.00			.00		

Stream: WILLIAMSON R > UPPER KLAMATH L - AB KLAMATH MARSH

WAB ID #: 31420127 # WABS ABOVE: 4

- Streams Above: 1 JACK CR > WILLIAMSON R - AT MOUTH
 2 DOE CR > WILLIAMSON R - AT MOUTH
 3 JACKSON CR > WILLIAMSON R - AT MOUTH
 4 WILLIAMSON R > UPPER KLAMATH L - AT (31S 10E 12 NWNE)

MO	WAB ID # 31420127			Sum Upstream WABs			Difference			Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann	Flow	CSM	% Ann	
1	76.90	.21	6.8	75.70	.22	6.9	1.21	.04	4.7	.00
2	82.80	.22	7.4	81.40	.24	7.4	1.38	.05	5.4	.00
3	96.30	.26	8.6	94.60	.27	8.6	1.69	.06	6.6	.00
4	140.00	.37	12.5	137.00	.40	12.5	3.13	.11	12.2	.00
5	164.00	.44	14.6	157.00	.46	14.3	6.54	.22	25.4	.00
6	132.00	.35	11.7	126.00	.36	11.5	6.08	.21	23.6	.00
7	76.90	.21	6.8	75.30	.22	6.9	1.56	.05	6.1	.00
8	65.20	.17	5.8	64.70	.19	5.9	.53	.02	2.1	.00
9	67.90	.18	6.0	67.00	.19	6.1	.92	.03	3.6	.00
10	72.10	.19	6.4	69.80	.20	6.4	2.28	.08	8.9	.00
11*	72.30	.19	6.4	73.00	.21	6.6	-.66	-.02	-2.6	.00
12	77.50	.21	6.9	76.40	.22	7.0	1.08	.04	4.2	.00
Area	374.70			345.30			29.43			
Relief	3470.00			-9999.00			-9999.00			
Slope	5.48			5.49			5.32			
Aspect	194.00			194.00			195.00			
Elevation	5210.00			5230.00			4970.00			
MAP	25.40			25.80			21.10			
Jan Prec	3.26			3.30			2.79			
Jul Prec	.66			.67			.55			
Jul Min T	40.40			40.30			41.00			
Jan Max T	38.50			38.50			38.70			
Soil Perm	15.50			15.70			13.50			
Yield	13.37			13.97			4.69			

Stream: JACK CR > WILLIAMSON R - AT MOUTH
 WAB ID #: 31420110 # WABS ABOVE: 0

MO	WAB ID # 31420110			Sum Upstream WABS			Flow	Difference			Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann		
1	2.26	.02	4.0	.00	.00	.0	.00	.00	.0	.00	
2	2.85	.03	5.0	.00	.00	.0	.00	.00	.0	.00	
3	2.99	.03	5.3	.00	.00	.0	.00	.00	.0	.00	
4	4.59	.04	8.1	.00	.00	.0	.00	.00	.0	.00	
5	13.80	.13	24.4	.00	.00	.0	.00	.00	.0	.00	
6	14.50	.14	25.6	.00	.00	.0	.00	.00	.0	.00	
7	4.46	.04	7.9	.00	.00	.0	.00	.00	.0	.00	
8	2.62	.03	4.6	.00	.00	.0	.00	.00	.0	.00	
9	2.05	.02	3.6	.00	.00	.0	.00	.00	.0	.00	
10	1.97	.02	3.5	.00	.00	.0	.00	.00	.0	.00	
11	1.98	.02	3.5	.00	.00	.0	.00	.00	.0	.00	
12	2.47	.02	4.4	.00	.00	.0	.00	.00	.0	.00	
Area	104.50				.00			.00			
Relief	2450.00				.00			.00			
Slope	3.23				.00			.00			
Aspect	181.00				.00			.00			
Elevation	5240.00				.00			.00			
MAP	30.00				.00			.00			
Jan Prec	4.19				.00			.00			
Jul Prec	.63				.00			.00			
Jul Min T	40.10				.00			.00			
Jan Max T	37.80				.00			.00			
Soil Perm	16.10				.00			.00			
Yield	2.04				.00			.00			

Stream: DOE CR > WILLIAMSON R - AT MOUTH
 WAB ID #: 31420111 # WABS ABOVE: 0

MO	WAB ID # 31420111			Sum Upstream WABs			Flow	Difference		Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	
1	.72	.02	5.4	.00	.00	.0	.00	.00	.0	.00
2	.77	.03	5.8	.00	.00	.0	.00	.00	.0	.00
3	.62	.02	4.6	.00	.00	.0	.00	.00	.0	.00
4	.98	.03	7.3	.00	.00	.0	.00	.00	.0	.00
5	3.76	.12	28.1	.00	.00	.0	.00	.00	.0	.00
6	3.62	.12	27.1	.00	.00	.0	.00	.00	.0	.00
7	.76	.03	5.7	.00	.00	.0	.00	.00	.0	.00
8	.37	.01	2.8	.00	.00	.0	.00	.00	.0	.00
9	.28	.01	2.1	.00	.00	.0	.00	.00	.0	.00
10	.28	.01	2.1	.00	.00	.0	.00	.00	.0	.00
11	.47	.02	3.5	.00	.00	.0	.00	.00	.0	.00
12	.75	.02	5.6	.00	.00	.0	.00	.00	.0	.00
Area	30.39			.00				.00		
Relief	2620.00			.00				.00		
Slope	5.52			.00				.00		
Aspect	244.00			.00				.00		
Elevation	5140.00			.00				.00		
MAP	22.50			.00				.00		
Jan Prec	2.87			.00				.00		
Jul Prec	.61			.00				.00		
Jul Min T	41.40			.00				.00		
Jan Max T	38.50			.00				.00		
Soil Perm	16.10			.00				.00		
Yield	2.22			.00				.00		

Stream: JACKSON CR > WILLIAMSON R - AT MOUTH
WAB ID #: 31420112 # WABS ABOVE: 2
Streams Above: 1 IRVING CR > JACKSON CR - AT MOUTH
2 JACKSON CR > WILLIAMSON R - AT NF BOUNDARY (30S 11E 7 SENE)

MO	WAB ID # 31420112			Sum Upstream WABs			Difference			Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann	Flow	CSM	% Ann	
1	8.51	.40	6.8	6.91	.45	6.8	1.60	.27	6.9	.00
2	10.10	.47	8.1	8.00	.52	7.8	2.10	.36	9.1	.00
3	13.30	.62	10.6	10.30	.67	10.1	2.97	.51	12.8	.00
4	19.30	.90	15.4	15.50	1.00	15.2	3.79	.65	16.4	.00
5	23.90	1.12	19.1	19.50	1.26	19.0	4.44	.76	19.2	.00
6	15.40	.72	12.3	12.30	.80	12.0	3.08	.53	13.3	.00
7	6.42	.30	5.1	5.37	.35	5.3	1.05	.18	4.5	.00
8	4.68	.22	3.7	4.04	.26	4.0	.64	.11	2.8	.00
9	4.85	.23	3.9	4.21	.27	4.1	.64	.11	2.8	.00
10	5.47	.26	4.4	4.72	.31	4.6	.75	.13	3.2	.00
11	6.21	.29	4.9	5.32	.34	5.2	.89	.15	3.8	.00
12	7.30	.34	5.8	6.08	.39	5.9	1.22	.21	5.3	.00
Area	21.33			15.46			5.86			
Relief	3400.00			-9999.00			-9999.00			
Slope	12.30			13.50			9.01			
Aspect	249.00			246.00			256.00			
Elevation	5820.00			5960.00			5440.00			
MAP	27.60			29.10			23.70			
Jan Prec	3.22			3.34			2.93			
Jul Prec	.71			.74			.63			
Jul Min T	42.10			42.20			41.80			
Jan Max T	37.60			37.40			38.20			
Soil Perm	15.50			15.90			14.40			
Yield	24.13			25.76			18.86			

Stream: IRVING CR > JACKSON CR - AT MOUTH
 WAB ID #: 31420130 # WABS ABOVE: 0

MO	WAB ID # 31420130			Sum Upstream WABs			Flow	Difference		Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	
1	2.89	.50	7.7	.00	.00	.0	.00	.00	.0	.00
2	3.36	.58	9.0	.00	.00	.0	.00	.00	.0	.00
3	4.08	.70	10.9	.00	.00	.0	.00	.00	.0	.00
4	5.11	.88	13.7	.00	.00	.0	.00	.00	.0	.00
5	5.86	1.00	15.7	.00	.00	.0	.00	.00	.0	.00
6	4.12	.71	11.0	.00	.00	.0	.00	.00	.0	.00
7	2.09	.36	5.6	.00	.00	.0	.00	.00	.0	.00
8	1.68	.29	4.5	.00	.00	.0	.00	.00	.0	.00
9	1.71	.29	4.6	.00	.00	.0	.00	.00	.0	.00
10	1.84	.32	4.9	.00	.00	.0	.00	.00	.0	.00
11	2.11	.36	5.7	.00	.00	.0	.00	.00	.0	.00
12	2.52	.43	6.7	.00	.00	.0	.00	.00	.0	.00
Area		5.84			.00			.00		
Relief		2900.00			.00			.00		
Slope		11.70			.00			.00		
Aspect		269.00			.00			.00		
Elevation		5500.00			.00			.00		
MAP		23.00			.00			.00		
Jan Prec		2.86			.00			.00		
Jul Prec		.62			.00			.00		
Jul Min T		41.80			.00			.00		
Jan Max T		38.30			.00			.00		
Soil Perm		15.50			.00			.00		
Yield		31.49			.00			.00		

Stream: JACKSON CR > WILLIAMSON R - AT NF BOUNDARY (30S 11E 7 SENE)
 WAB ID #: 31420136 # WABS ABOVE: 0

MO	WAB ID # 31420136			Sum Upstream WABs			Flow	Difference		Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	
1	4.02	.42	6.2	.00	.00	.0	.00	.00	.0	.00
2	4.64	.48	7.2	.00	.00	.0	.00	.00	.0	.00
3	6.25	.65	9.6	.00	.00	.0	.00	.00	.0	.00
4	10.40	1.08	16.0	.00	.00	.0	.00	.00	.0	.00
5	13.60	1.41	21.0	.00	.00	.0	.00	.00	.0	.00
6	8.20	.85	12.6	.00	.00	.0	.00	.00	.0	.00
7	3.28	.34	5.1	.00	.00	.0	.00	.00	.0	.00
8	2.36	.25	3.6	.00	.00	.0	.00	.00	.0	.00
9	2.50	.26	3.8	.00	.00	.0	.00	.00	.0	.00
10	2.88	.30	4.4	.00	.00	.0	.00	.00	.0	.00
11	3.21	.33	4.9	.00	.00	.0	.00	.00	.0	.00
12	3.56	.37	5.5	.00	.00	.0	.00	.00	.0	.00
Area		9.63			.00				.00	
Relief		3210.00			.00				.00	
Slope		14.60			.00				.00	
Aspect		232.00			.00				.00	
Elevation		6240.00			.00				.00	
MAP		32.70			.00				.00	
Jan Prec		3.63			.00				.00	
Jul Prec		.80			.00				.00	
Jul Min T		42.50			.00				.00	
Jan Max T		36.80			.00				.00	
Soil Perm		16.10			.00				.00	
Yield		23.31			.00				.00	

Stream: WILLIAMSON R > UPPER KLAMATH L - AT (31S 10E 12 NWNE)
WAB ID #: 31420142 # WABS ABOVE: 1
Streams Above: 1 WILLIAMSON R > UPPER KLAMATH L - AT ROCKY FORD

MO	WAB ID # 31420142			Sum Upstream WABs			Difference			Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann	Flow	CSM	% Ann	
1	64.20	.34	7.1	64.00	.35	7.1	.20	.02	5.9	.00
2	67.70	.36	7.5	67.50	.37	7.5	.20	.02	5.9	.00
3	77.70	.41	8.6	77.50	.43	8.6	.20	.02	5.9	.00
4	112.00	.59	12.4	112.00	.62	12.5	.00	.00	.0	.00
5	116.00	.61	12.8	115.00	.64	12.8	1.00	.12	29.4	.00
6	92.40	.49	10.2	91.50	.51	10.2	.90	.11	26.5	.00
7	63.70	.34	7.1	63.50	.35	7.1	.20	.02	5.9	.00
8	57.00	.30	6.3	56.90	.31	6.3	.10	.01	2.9	.00
9	59.80	.32	6.6	59.70	.33	6.6	.10	.01	2.9	.00
10	62.10	.33	6.9	62.00	.34	6.9	.10	.01	2.9	.00
11	64.30	.34	7.1	64.10	.35	7.1	.20	.02	5.9	.00
12	65.90	.35	7.3	65.70	.36	7.3	.20	.02	5.9	.00
Area	189.10			180.90					8.17	
Relief	3400.00			3400.00					-9999.00	
Slope	5.97			5.94					6.59	
Aspect	187.00			187.00					183.00	
Elevation	5170.00			5180.00					4960.00	
MAP	23.80			23.80					22.10	
Jan Prec	2.89			2.88					2.98	
Jul Prec	.70			.70					.57	
Jul Min T	40.10			40.10					40.70	
Jan Max T	39.00			39.00					38.50	
Soil Perm	15.50			15.50					14.70	
Yield	22.74			23.61					2.14	

Stream: WILLIAMSON R > UPPER KLAMATH L - AT ROCKY FORD
WAB ID #: 70824 # WABS ABOVE: 2
Streams Above: 1 DEEP CR > WILLIAMSON R - AT MOUTH
2 WILLIAMSON R > UPPER KLAMATH L - AB DEEP CR

MO	WAB ID #	70824		Sum Upstream WABs			Difference			Difference With 50% Flow
		Flow	CSM % Ann	Flow	CSM % Ann	Flow	CSM % Ann	CSM % Ann		
1	64.00	.35	7.1	60.90	.37	7.3	3.12	.17	5.0	.00
2	67.50	.37	7.5	62.80	.39	7.5	4.71	.26	7.6	.00
3	77.50	.43	8.6	69.30	.43	8.3	8.21	.45	13.2	.00
4	112.00	.62	12.5	99.70	.61	11.9	12.30	.67	19.8	.00
5	115.00	.64	12.8	101.00	.62	12.1	13.80	.76	22.2	.00
6	91.50	.51	10.2	83.60	.51	10.0	7.88	.43	12.7	.00
7	63.50	.35	7.1	61.10	.38	7.3	2.41	.13	3.9	.00
8	56.90	.31	6.3	55.40	.34	6.6	1.53	.08	2.5	.00
9	59.70	.33	6.6	58.00	.36	6.9	1.73	.09	2.8	.00
10	62.00	.34	6.9	59.90	.37	7.2	2.13	.12	3.4	.00
11	64.10	.35	7.1	62.10	.38	7.4	1.98	.11	3.2	.00
12	65.70	.36	7.3	63.20	.39	7.6	2.46	.13	4.0	.00
Area	180.90			162.60			18.24			
Relief	3400.00			-9999.00			-9999.00			
Slope	5.94			5.70			8.08			
Aspect	187.00			185.00			200.00			
Elevation	5180.00			5180.00			5260.00			
MAP	23.80			23.80			24.60			
Jan Prec	2.88			2.87			3.05			
Jul Prec	.70			.71			.63			
Jul Min T	40.10			40.00			40.70			
Jan Max T	39.00			39.10			38.50			
Soil Perm	15.50			15.50			15.20			
Yield	23.61			24.52			15.72			

Stream: DEEP CR > WILLIAMSON R - AT MOUTH
WAB ID #: 31420131 # WABS ABOVE: 1
Streams Above: 1 DEEP CR > WILLIAMSON R - AT NF BOUNDARY (31S 11E 29 SESW)

MO	WAB ID # 31420131			Sum Upstream WABs			Difference			Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann	Flow	CSM	% Ann	
1	2.78	.28	4.9	2.78	.29	4.9	.00	.00	.0	.00
2	3.39	.34	5.9	3.39	.35	5.9	.00	.00	.0	.00
3	5.19	.52	9.1	5.19	.53	9.1	.00	.00	.0	.00
4	10.70	1.06	18.8	10.70	1.10	18.8	.00	.00	.0	.00
5	15.80	1.57	27.7	15.80	1.62	27.7	.00	.00	.0	.00
6	7.92	.79	13.9	7.92	.81	13.9	.00	.00	.0	.00
7	2.19	.22	3.8	2.19	.22	3.8	.00	.00	.0	.00
8	1.37	.14	2.4	1.37	.14	2.4	.00	.00	.0	.00
9	1.47	.15	2.6	1.47	.15	2.6	.00	.00	.0	.00
10	1.77	.18	3.1	1.77	.18	3.1	.00	.00	.0	.00
11	2.02	.20	3.5	2.02	.21	3.5	.00	.00	.0	.00
12	2.34	.23	4.1	2.34	.24	4.1	.00	.00	.0	.00
Area	10.05			9.75				.30		
Relief	3400.00			3300.00				-9999.00		
Slope	14.10			14.50				-1.73		
Aspect	231.00			230.00				270.00		
Elevation	6160.00			6220.00				4390.00		
MAP	30.10			30.40				21.10		
Jan Prec	3.18			3.19				2.85		
Jul Prec	.91			.92				.58		
Jul Min T	41.40			41.40				40.10		
Jan Max T	37.30			37.20				39.00		
Soil Perm	16.10			16.10				15.80		
Yield	21.28			21.73				.00		

Stream: DEEP CR > WILLIAMSON R - AT NF BOUNDARY (31S 11E 29 SESW)
WAB ID #: 31420132 # WABS ABOVE: 0

MO	WAB ID # 31420132			Sum Upstream WABs			Flow	Difference		Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	
1	2.78	.29	4.9	.00	.00	.0	.00	.00	.0	.00
2	3.39	.35	5.9	.00	.00	.0	.00	.00	.0	.00
3	5.19	.53	9.1	.00	.00	.0	.00	.00	.0	.00
4	10.70	1.10	18.8	.00	.00	.0	.00	.00	.0	.00
5	15.80	1.62	27.7	.00	.00	.0	.00	.00	.0	.00
6	7.92	.81	13.9	.00	.00	.0	.00	.00	.0	.00
7	2.19	.22	3.8	.00	.00	.0	.00	.00	.0	.00
8	1.37	.14	2.4	.00	.00	.0	.00	.00	.0	.00
9	1.47	.15	2.6	.00	.00	.0	.00	.00	.0	.00
10	1.77	.18	3.1	.00	.00	.0	.00	.00	.0	.00
11	2.02	.21	3.5	.00	.00	.0	.00	.00	.0	.00
12	2.34	.24	4.1	.00	.00	.0	.00	.00	.0	.00
Area		9.75			.00			.00		
Relief		3300.00			.00			.00		
Slope		14.50			.00			.00		
Aspect		230.00			.00			.00		
Elevation		6220.00			.00			.00		
MAP		30.40			.00			.00		
Jan Prec		3.19			.00			.00		
Jul Prec		.92			.00			.00		
Jul Min T		41.40			.00			.00		
Jan Max T		37.20			.00			.00		
Soil Perm		16.10			.00			.00		
Yield		21.73			.00			.00		

Stream: WILLIAMSON R > UPPER KLAMATH L - AB DEEP CR
WAB ID #: 31420115 # WABS ABOVE: 1
Streams Above: 1 WILLIAMSON R > UPPER KLAMATH L - AT WICKIUP SPRING

MO	WAB ID # 31420115			Sum Upstream WABs			Difference			Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann	Flow	CSM	% Ann	
1	58.10	.38	7.4	36.40	.39	7.6	21.70	.36	7.2	.00
2	59.40	.39	7.6	36.80	.40	7.7	22.60	.38	7.5	.00
3	64.10	.42	8.2	38.80	.42	8.1	25.30	.42	8.4	.00
4	89.00	.58	11.4	52.70	.57	11.0	36.30	.61	12.1	.00
5	85.40	.56	10.9	50.40	.54	10.5	35.00	.58	11.6	.00
6	75.70	.50	9.7	46.70	.50	9.7	29.00	.48	9.6	.00
7	58.90	.39	7.6	36.70	.40	7.7	22.20	.37	7.4	.00
8	54.00	.35	6.9	33.60	.36	7.0	20.40	.34	6.8	.00
9	56.50	.37	7.2	34.80	.38	7.3	21.70	.36	7.2	.00
10	58.10	.38	7.4	36.00	.39	7.5	22.10	.37	7.3	.00
11	60.10	.39	7.7	38.30	.41	8.0	21.80	.36	7.3	.00
12	60.90	.40	7.8	38.50	.42	8.0	22.40	.37	7.4	.00
Area	152.60			92.61			59.97			
Relief	2200.00			2200.00			-9999.00			
Slope	5.15			5.44			4.70			
Aspect	182.00			177.00			190.00			
Elevation	5110.00			5080.00			5150.00			
MAP	23.30			23.30			23.50			
Jan Prec	2.85			2.82			2.88			
Jul Prec	.70			.72			.68			
Jul Min T	39.90			39.60			40.30			
Jan Max T	39.20			39.40			38.90			
Soil Perm	15.50			15.50			15.50			
Yield	24.80			25.20			24.17			

Stream: WILLIAMSON R > UPPER KLAMATH L - AT WICKIUP SPRING
WAB ID #: 31420128 # WABS ABOVE: 0

MO	WAB ID # 31420128			Sum Upstream WABs			Flow	Difference			Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann		
1	36.40	.39	7.6	.00	.00	.0	.00	.00	.0	.00	
2	36.80	.40	7.7	.00	.00	.0	.00	.00	.0	.00	
3	38.80	.42	8.1	.00	.00	.0	.00	.00	.0	.00	
4	52.70	.57	11.0	.00	.00	.0	.00	.00	.0	.00	
5	50.40	.54	10.5	.00	.00	.0	.00	.00	.0	.00	
6	46.70	.50	9.7	.00	.00	.0	.00	.00	.0	.00	
7	36.70	.40	7.7	.00	.00	.0	.00	.00	.0	.00	
8	33.60	.36	7.0	.00	.00	.0	.00	.00	.0	.00	
9	34.80	.38	7.3	.00	.00	.0	.00	.00	.0	.00	
10	36.00	.39	7.5	.00	.00	.0	.00	.00	.0	.00	
11	38.30	.41	8.0	.00	.00	.0	.00	.00	.0	.00	
12	38.50	.42	8.0	.00	.00	.0	.00	.00	.0	.00	
Area		92.61			.00			.00			
Relief		2200.00			.00			.00			
Slope		5.44			.00			.00			
Aspect		177.00			.00			.00			
Elevation		5080.00			.00			.00			
MAP		23.30			.00			.00			
Jan Prec		2.82			.00			.00			
Jul Prec		.72			.00			.00			
Jul Min T		39.60			.00			.00			
Jan Max T		39.40			.00			.00			
Soil Perm		15.50			.00			.00			
Yield		25.20			.00			.00			

Stream: JENNY CR > KLAMATH R - AT MOUTH
WAB ID #: 31420602 # WABS ABOVE: 2
Streams Above: 1 KEENE CR > JENNY CR - AT MOUTH
2 JENNY CR > KLAMATH R - AB KEENE CR

MO	WAB ID # 31420602			Sum Upstream WABs			Difference			Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann	Flow	CSM	% Ann	
1	56.70	.29	6.6	54.40	.30	6.7	2.30	.13	6.0	.00
2	127.00	.65	14.9	120.00	.67	14.7	7.40	.43	19.4	.00
3	219.00	1.11	25.6	207.00	1.15	25.3	12.10	.70	31.7	.00
4	248.00	1.26	29.0	240.00	1.34	29.4	8.20	.48	21.4	.00
5	93.30	.47	10.9	89.50	.50	11.0	3.80	.22	9.9	.00
6	25.70	.13	3.0	24.60	.14	3.0	1.07	.06	2.8	.00
7	12.70	.06	1.5	12.20	.07	1.5	.53	.03	1.4	.00
8	8.06	.04	.9	7.74	.04	.9	.32	.02	.8	.00
9	7.80	.04	.9	7.49	.04	.9	.31	.02	.8	.00
10	8.45	.04	1.0	8.13	.05	1.0	.32	.02	.8	.00
11	11.70	.06	1.4	11.40	.06	1.4	.34	.02	.9	.00
12	36.00	.18	4.2	34.50	.19	4.2	1.54	.09	4.0	.00
Area	196.70			179.50			17.21			
Relief	3380.00			-9999.00			-9999.00			
Slope	9.91			9.88			10.20			
Aspect	184.00			183.00			191.00			
Elevation	4590.00			4680.00			3650.00			
MAP	33.00			33.90			23.00			
Jan Prec	4.51			4.63			3.29			
Jul Prec	.49			.50			.32			
Jul Min T	46.10			45.90			47.80			
Jan Max T	39.00			38.80			41.40			
Soil Perm	1.50			1.57			.75			
Yield	14.91			15.17			10.93			

Stream: KEENE CR > JENNY CR - AT MOUTH
 WAB ID #: 31420603 # WABS ABOVE: 1
 Streams Above: 1 KEENE CR > JENNY CR - AT KEENE CR DAM

MO	WAB ID # 31420603			Sum Upstream WABs			Difference			Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann	Flow	CSM	% Ann	
1	11.70	.29	6.6	7.72	.40	7.0	3.98	.18	5.8	.00
2	24.60	.60	13.8	12.90	.67	11.8	11.70	.54	17.0	.00
3	45.90	1.12	25.7	25.90	1.34	23.6	20.00	.93	29.0	.00
4	59.80	1.46	33.5	44.20	2.29	40.3	15.60	.72	22.6	.00
5	19.30	.47	10.8	10.60	.55	9.7	8.70	.40	12.6	.00
6	4.53	.11	2.5	2.21	.11	2.0	2.32	.11	3.4	.00
7	1.77	.04	1.0	.69	.04	.6	1.08	.05	1.6	.00
8	1.03	.03	.6	.43	.02	.4	.60	.03	.9	.00
9	.92	.02	.5	.35	.02	.3	.57	.03	.8	.00
10	.92	.02	.5	.28	.01	.3	.64	.03	.9	.00
11	1.62	.04	.9	.67	.03	.6	.95	.04	1.4	.00
12	6.56	.16	3.7	3.70	.19	3.4	2.86	.13	4.1	.00
Area	40.90			19.28			21.62			
Relief	2680.00			1680.00			-9999.00			
Slope	12.40			9.10			15.30			
Aspect	163.00			189.00			140.00			
Elevation	4810.00			5210.00			4460.00			
MAP	33.30			37.80			29.40			
Jan Prec	4.53			4.95			4.16			
Jul Prec	.45			.53			.38			
Jul Min T	47.30			47.00			47.60			
Jan Max T	39.30			38.40			40.00			
Soil Perm	1.88			2.09			1.68			
Yield	14.84			17.05			12.30			

Stream: KEENE CR > JENNY CR - AT KEENE CR DAM
 WAB ID #: 31420619 # WABS ABOVE: 0

MO	WAB ID # 31420619			Sum Upstream WABs			Flow	Difference		Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	
1	7.72	.40	7.0	.00	.00	.0	.00	.00	.0	.00
2	12.90	.67	11.8	.00	.00	.0	.00	.00	.0	.00
3	25.90	1.34	23.6	.00	.00	.0	.00	.00	.0	.00
4	44.20	2.29	40.3	.00	.00	.0	.00	.00	.0	.00
5	10.60	.55	9.7	.00	.00	.0	.00	.00	.0	.00
6	2.21	.11	2.0	.00	.00	.0	.00	.00	.0	.00
7	.69	.04	.6	.00	.00	.0	.00	.00	.0	.00
8	.43	.02	.4	.00	.00	.0	.00	.00	.0	.00
9	.35	.02	.3	.00	.00	.0	.00	.00	.0	.00
10	.28	.01	.3	.00	.00	.0	.00	.00	.0	.00
11	.67	.03	.6	.00	.00	.0	.00	.00	.0	.00
12	3.70	.19	3.4	.00	.00	.0	.00	.00	.0	.00
Area	19.28				.00			.00		
Relief	1680.00				.00			.00		
Slope	9.10				.00			.00		
Aspect	189.00				.00			.00		
Elevation	5210.00				.00			.00		
MAP	37.80				.00			.00		
Jan Prec	4.95				.00			.00		
Jul Prec	.53				.00			.00		
Jul Min T	47.00				.00			.00		
Jan Max T	38.40				.00			.00		
Soil Perm	2.09				.00			.00		
Yield	17.05				.00			.00		

Stream: JENNY CR > KLAMATH R - AB KEENE CR
WAB ID #: 70811 # WABS ABOVE: 2
Streams Above: 1 JOHNSON CR > JENNY CR - AT MOUTH
2 JENNY CR > KLAMATH R - AB JOHNSON CR

MO	WAB ID #	70811		Sum Upstream WABs			Flow	Difference		Difference With 50% Flow
		Flow	CSM % Ann	Flow	CSM % Ann	Flow		CSM % Ann		
1	42.70	.31	6.7	31.70	.31	6.3	11.00	.31	8.1	.00
2	95.00	.69	14.9	70.60	.69	14.1	24.40	.69	18.0	.00
3	161.00	1.16	25.3	128.00	1.24	25.4	33.50	.94	24.7	.00
4	180.00	1.30	28.2	151.00	1.47	30.1	29.10	.82	21.4	.00
5	70.20	.51	11.0	56.70	.55	11.3	13.50	.38	9.9	.00
6	20.10	.15	3.2	15.60	.15	3.1	4.52	.13	3.3	.00
7	10.40	.08	1.6	7.93	.08	1.6	2.47	.07	1.8	.00
8	6.71	.05	1.0	4.87	.05	1.0	1.84	.05	1.4	.00
9	6.57	.05	1.0	4.74	.05	.9	1.83	.05	1.4	.00
10	7.21	.05	1.1	5.17	.05	1.0	2.04	.06	1.5	.00
11	9.74	.07	1.5	6.62	.06	1.3	3.12	.09	2.3	.00
12	27.90	.20	4.4	19.50	.19	3.9	8.40	.24	6.2	.00
Area	138.60			103.00			35.61			
Relief	3180.00			-9999.00			-9999.00			
Slope	9.15			8.38			11.40			
Aspect	189.00			191.00			185.00			
Elevation	4650.00			4780.00			4270.00			
MAP	34.10			36.10			28.40			
Jan Prec	4.66			4.86			4.08			
Jul Prec	.52			.57			.35			
Jul Min T	45.50			45.10			46.50			
Jan Max T	38.60			38.30			39.40			
Soil Perm	1.48			1.41			1.69			
Yield	15.26			15.28			15.18			

Stream: JOHNSON CR > JENNY CR - AT MOUTH
 WAB ID #: 31420604 # WABS ABOVE: 0

MO	WAB ID # 31420604			Sum Upstream WABs			Flow	Difference		Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	
1	13.70	.23	5.6	.00	.00	.0	.00	.00	.0	.00
2	38.50	.64	15.7	.00	.00	.0	.00	.00	.0	.00
3	65.50	1.09	26.6	.00	.00	.0	.00	.00	.0	.00
4	56.60	.94	23.0	.00	.00	.0	.00	.00	.0	.00
5	32.10	.53	13.1	.00	.00	.0	.00	.00	.0	.00
6	9.22	.15	3.8	.00	.00	.0	.00	.00	.0	.00
7	5.23	.09	2.1	.00	.00	.0	.00	.00	.0	.00
8	3.13	.05	1.3	.00	.00	.0	.00	.00	.0	.00
9	3.25	.05	1.3	.00	.00	.0	.00	.00	.0	.00
10	3.85	.06	1.6	.00	.00	.0	.00	.00	.0	.00
11	4.52	.08	1.8	.00	.00	.0	.00	.00	.0	.00
12	10.30	.17	4.2	.00	.00	.0	.00	.00	.0	.00
Area	60.02			.00				.00		
Relief	2800.00			.00				.00		
Slope	9.10			.00				.00		
Aspect	200.00			.00				.00		
Elevation	4770.00			.00				.00		
MAP	36.20			.00				.00		
Jan Prec	4.80			.00				.00		
Jul Prec	.61			.00				.00		
Jul Min T	45.20			.00				.00		
Jan Max T	38.40			.00				.00		
Soil Perm	1.18			.00				.00		
Yield	12.81			.00				.00		

Stream: JENNY CR > KLAMATH R - AB JOHNSON CR
WAB ID #: 31420605 # WABS ABOVE: 0

MO	WAB ID # 31420605			Sum Upstream WABs			Flow	Difference		
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	With 50% Flow
1	18.00	.42	7.0	.00	.00	.0	.00	.00	.0	.00
2	32.10	.75	12.5	.00	.00	.0	.00	.00	.0	.00
3	62.00	1.44	24.2	.00	.00	.0	.00	.00	.0	.00
4	94.30	2.20	36.8	.00	.00	.0	.00	.00	.0	.00
5	24.60	.57	9.6	.00	.00	.0	.00	.00	.0	.00
6	6.36	.15	2.5	.00	.00	.0	.00	.00	.0	.00
7	2.70	.06	1.1	.00	.00	.0	.00	.00	.0	.00
8	1.74	.04	.7	.00	.00	.0	.00	.00	.0	.00
9	1.49	.03	.6	.00	.00	.0	.00	.00	.0	.00
10	1.32	.03	.5	.00	.00	.0	.00	.00	.0	.00
11	2.10	.05	.8	.00	.00	.0	.00	.00	.0	.00
12	9.20	.21	3.6	.00	.00	.0	.00	.00	.0	.00
Area		42.94			.00			.00		
Relief		2400.00			.00			.00		
Slope		7.37			.00			.00		
Aspect		179.00			.00			.00		
Elevation		4790.00			.00			.00		
MAP		36.00			.00			.00		
Jan Prec		4.96			.00			.00		
Jul Prec		.52			.00			.00		
Jul Min T		44.90			.00			.00		
Jan Max T		38.30			.00			.00		
Soil Perm		1.73			.00			.00		
Yield		18.76			.00			.00		

Stream: HAYDEN CR > KLAMATH R - AT STATE LINE
WAB ID #: 31420601 # WABS ABOVE: 0

MO	WAB ID # 31420601			Sum Upstream WABs			Flow	Difference		Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	
1	3.31	.12	5.2	.00	.00	.0	.00	.00	.0	.00
2	10.30	.38	16.2	.00	.00	.0	.00	.00	.0	.00
3	22.10	.81	34.8	.00	.00	.0	.00	.00	.0	.00
4	18.60	.68	29.3	.00	.00	.0	.00	.00	.0	.00
5	4.82	.18	7.6	.00	.00	.0	.00	.00	.0	.00
6	.99	.04	1.6	.00	.00	.0	.00	.00	.0	.00
7	.43	.02	.7	.00	.00	.0	.00	.00	.0	.00
8	.24	.01	.4	.00	.00	.0	.00	.00	.0	.00
9	.24	.01	.4	.00	.00	.0	.00	.00	.0	.00
10	.28	.01	.4	.00	.00	.0	.00	.00	.0	.00
11	.45	.02	.7	.00	.00	.0	.00	.00	.0	.00
12	1.80	.07	2.8	.00	.00	.0	.00	.00	.0	.00
Area	27.37			.00				.00		
Relief	2200.00			.00				.00		
Slope	6.07			.00				.00		
Aspect	194.00			.00				.00		
Elevation	4270.00			.00				.00		
MAP	26.50			.00				.00		
Jan Prec	3.60			.00				.00		
Jul Prec	.39			.00				.00		
Jul Min T	46.40			.00				.00		
Jan Max T	39.60			.00				.00		
Soil Perm	1.03			.00				.00		
Yield	9.90			.00				.00		

Stream: LONG PRAIRIE CR > KLAMATH R - AT STATE LINE
 WAB ID #: 31420606 # WABS ABOVE: 0

MO	WAB ID # 31420606			Sum Upstream WABS			Difference			Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann	Flow	CSM	% Ann	
1	5.88	.15	5.3	.00	.00	.0	.00	.00	.0	.00
2	17.50	.46	15.7	.00	.00	.0	.00	.00	.0	.00
3	36.60	.96	32.9	.00	.00	.0	.00	.00	.0	.00
4	32.90	.86	29.6	.00	.00	.0	.00	.00	.0	.00
5	9.54	.25	8.6	.00	.00	.0	.00	.00	.0	.00
6	2.01	.05	1.8	.00	.00	.0	.00	.00	.0	.00
7	.92	.02	.8	.00	.00	.0	.00	.00	.0	.00
8	.53	.01	.5	.00	.00	.0	.00	.00	.0	.00
9	.51	.01	.5	.00	.00	.0	.00	.00	.0	.00
10	.57	.01	.5	.00	.00	.0	.00	.00	.0	.00
11	.86	.02	.8	.00	.00	.0	.00	.00	.0	.00
12	3.33	.09	3.0	.00	.00	.0	.00	.00	.0	.00
Area		38.15			.00			.00		
Relief		2450.00			.00			.00		
Slope		6.01			.00			.00		
Aspect		197.00			.00			.00		
Elevation		4350.00			.00			.00		
MAP		29.30			.00			.00		
Jan Prec		4.01			.00			.00		
Jul Prec		.45			.00			.00		
Jul Min T		46.40			.00			.00		
Jan Max T		39.30			.00			.00		
Soil Perm		1.14			.00			.00		
Yield		11.24			.00			.00		

Stream: FALL CR > KLAMATH R - AT STATE LINE
 WAB ID #: 31420607 # WABS ABOVE: 0

MO	WAB ID # 31420607			Sum Upstream WABs			Flow	Difference		Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	
1	42.70	4.10	8.9	.00	.00	.0	.00	.00	.0	.00
2	52.90	5.08	11.1	.00	.00	.0	.00	.00	.0	.00
3	51.30	4.93	10.7	.00	.00	.0	.00	.00	.0	.00
4	44.30	4.26	9.3	.00	.00	.0	.00	.00	.0	.00
5	36.60	3.52	7.7	.00	.00	.0	.00	.00	.0	.00
6	35.00	3.36	7.3	.00	.00	.0	.00	.00	.0	.00
7	33.70	3.24	7.1	.00	.00	.0	.00	.00	.0	.00
8	33.60	3.23	7.0	.00	.00	.0	.00	.00	.0	.00
9	34.30	3.30	7.2	.00	.00	.0	.00	.00	.0	.00
10	35.30	3.39	7.4	.00	.00	.0	.00	.00	.0	.00
11	38.10	3.66	8.0	.00	.00	.0	.00	.00	.0	.00
12	39.90	3.83	8.4	.00	.00	.0	.00	.00	.0	.00
Area		10.41			.00			.00		
Relief		1800.00			.00			.00		
Slope		9.90			.00			.00		
Aspect		236.00			.00			.00		
Elevation		3950.00			.00			.00		
MAP		26.20			.00			.00		
Jan Prec		3.67			.00			.00		
Jul Prec		.36			.00			.00		
Jul Min T		47.10			.00			.00		
Jan Max T		40.40			.00			.00		
Soil Perm		1.48			.00			.00		
Yield		198.28			.00			.00		

Stream: SKOOKUM CR > JENNY CR - AT STATE LINE
 WAB ID #: 31420608 # WABS ABOVE: 0

MO	WAB ID # 31420608			Sum Upstream WABs			Difference			Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann	Flow	CSM	% Ann	
1	1.34	.12	6.1	.00	.00	.0	.00	.00	.0	.00
2	4.11	.37	18.8	.00	.00	.0	.00	.00	.0	.00
3	6.96	.62	31.9	.00	.00	.0	.00	.00	.0	.00
4	4.85	.43	22.2	.00	.00	.0	.00	.00	.0	.00
5	2.24	.20	10.3	.00	.00	.0	.00	.00	.0	.00
6	.56	.05	2.6	.00	.00	.0	.00	.00	.0	.00
7	.25	.02	1.1	.00	.00	.0	.00	.00	.0	.00
8	.14	.01	.6	.00	.00	.0	.00	.00	.0	.00
9	.13	.01	.6	.00	.00	.0	.00	.00	.0	.00
10	.14	.01	.6	.00	.00	.0	.00	.00	.0	.00
11	.21	.02	1.0	.00	.00	.0	.00	.00	.0	.00
12	.89	.08	4.1	.00	.00	.0	.00	.00	.0	.00
Area		11.22			.00			.00		
Relief		2200.00			.00			.00		
Slope		11.80			.00			.00		
Aspect		144.00			.00			.00		
Elevation		3880.00			.00			.00		
MAP		22.20			.00			.00		
Jan Prec		3.25			.00			.00		
Jul Prec		.31			.00			.00		
Jul Min T		48.60			.00			.00		
Jan Max T		41.80			.00			.00		
Soil Perm		.68			.00			.00		
Yield		9.93			.00			.00		

Stream: SALT CR > CAMP CR - AT STATE LINE
WAB ID #: 31420609 # WABS ABOVE: 0

MO	WAB ID # 31420609			Sum Upstream WABs			Flow	Difference		Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	
1	.36	.14	6.6	.00	.00	.0	.00	.00	.0	.00
2	1.09	.44	20.0	.00	.00	.0	.00	.00	.0	.00
3	1.84	.74	33.8	.00	.00	.0	.00	.00	.0	.00
4	1.18	.47	21.7	.00	.00	.0	.00	.00	.0	.00
5	.47	.19	8.6	.00	.00	.0	.00	.00	.0	.00
6	.11	.04	2.0	.00	.00	.0	.00	.00	.0	.00
7	.04	.02	.7	.00	.00	.0	.00	.00	.0	.00
8	.02	.01	.4	.00	.00	.0	.00	.00	.0	.00
9	.02	.01	.4	.00	.00	.0	.00	.00	.0	.00
10	.03	.01	.6	.00	.00	.0	.00	.00	.0	.00
11	.05	.02	.9	.00	.00	.0	.00	.00	.0	.00
12	.23	.09	4.2	.00	.00	.0	.00	.00	.0	.00
Area		2.49			.00			.00		
Relief		1800.00			.00			.00		
Slope		21.70			.00			.00		
Aspect		184.00			.00			.00		
Elevation		3640.00			.00			.00		
MAP		23.90			.00			.00		
Jan Prec		3.60			.00			.00		
Jul Prec		.32			.00			.00		
Jul Min T		48.70			.00			.00		
Jan Max T		41.30			.00			.00		
Soil Perm		.38			.00			.00		
Yield		10.35			.00			.00		

Stream: CAMP CR > KLAMATH R - AT STATE LINE
 WAB ID #: 31420610 # WABS ABOVE: 0

MO	WAB ID # 31420610			Sum Upstream WABS			Flow	Difference		
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	With 50% Flow
1	1.70	.18	5.7	.00	.00	.0	.00	.00	.0	.00
2	5.16	.53	17.2	.00	.00	.0	.00	.00	.0	.00
3	8.85	.92	29.6	.00	.00	.0	.00	.00	.0	.00
4	6.67	.69	22.3	.00	.00	.0	.00	.00	.0	.00
5	3.75	.39	12.5	.00	.00	.0	.00	.00	.0	.00
6	1.05	.11	3.5	.00	.00	.0	.00	.00	.0	.00
7	.44	.05	1.5	.00	.00	.0	.00	.00	.0	.00
8	.25	.03	.8	.00	.00	.0	.00	.00	.0	.00
9	.22	.02	.7	.00	.00	.0	.00	.00	.0	.00
10	.24	.02	.8	.00	.00	.0	.00	.00	.0	.00
11	.37	.04	1.2	.00	.00	.0	.00	.00	.0	.00
12	1.22	.13	4.1	.00	.00	.0	.00	.00	.0	.00
Area		9.67			.00			.00		
Relief		3030.00			.00			.00		
Slope		27.10			.00			.00		
Aspect		156.00			.00			.00		
Elevation		4520.00			.00			.00		
MAP		27.00			.00			.00		
Jan Prec		4.20			.00			.00		
Jul Prec		.34			.00			.00		
Jul Min T		48.20			.00			.00		
Jan Max T		40.60			.00			.00		
Soil Perm		1.76			.00			.00		
Yield		12.98			.00			.00		

Stream: SCOTCH CR > CAMP CR - AT STATE LINE
 WAB ID #: 31420611 # WABS ABOVE: 0

MO	WAB ID # 31420611			Sum Upstream WABs			Flow	Difference		Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	
1	1.01	.21	5.9	.00	.00	.0	.00	.00	.0	.00
2	3.07	.64	17.9	.00	.00	.0	.00	.00	.0	.00
3	5.22	1.10	30.4	.00	.00	.0	.00	.00	.0	.00
4	3.80	.80	22.1	.00	.00	.0	.00	.00	.0	.00
5	1.99	.42	11.6	.00	.00	.0	.00	.00	.0	.00
6	.54	.11	3.1	.00	.00	.0	.00	.00	.0	.00
7	.22	.05	1.3	.00	.00	.0	.00	.00	.0	.00
8	.12	.03	.7	.00	.00	.0	.00	.00	.0	.00
9	.11	.02	.6	.00	.00	.0	.00	.00	.0	.00
10	.13	.03	.8	.00	.00	.0	.00	.00	.0	.00
11	.23	.05	1.3	.00	.00	.0	.00	.00	.0	.00
12	.74	.16	4.3	.00	.00	.0	.00	.00	.0	.00
Area		4.77			.00			.00		
Relief		2210.00			.00			.00		
Slope		25.60			.00			.00		
Aspect		153.00			.00			.00		
Elevation		4350.00			.00			.00		
MAP		30.00			.00			.00		
Jan Prec		4.90			.00			.00		
Jul Prec		.35			.00			.00		
Jul Min T		47.90			.00			.00		
Jan Max T		40.40			.00			.00		
Soil Perm		1.70			.00			.00		
Yield		13.58			.00			.00		

Stream: SLIDE CR > SCOTCH CR - AT STATE LINE
 WAB ID #: 31420612 # WABS ABOVE: 0

MO	WAB ID # 31420612			Sum Upstream WABs			Flow	Difference		Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	
1	.17	.22	6.4	.00	.00	.0	.00	.00	.0	.00
2	.50	.65	18.8	.00	.00	.0	.00	.00	.0	.00
3	.86	1.11	32.3	.00	.00	.0	.00	.00	.0	.00
4	.59	.76	22.2	.00	.00	.0	.00	.00	.0	.00
5	.27	.35	10.2	.00	.00	.0	.00	.00	.0	.00
6	.06	.08	2.3	.00	.00	.0	.00	.00	.0	.00
7	.02	.03	.8	.00	.00	.0	.00	.00	.0	.00
8	.01	.01	.4	.00	.00	.0	.00	.00	.0	.00
9	.01	.01	.4	.00	.00	.0	.00	.00	.0	.00
10	.01	.01	.4	.00	.00	.0	.00	.00	.0	.00
11	.04	.05	1.5	.00	.00	.0	.00	.00	.0	.00
12	.12	.16	4.5	.00	.00	.0	.00	.00	.0	.00
Area		.77			.00			.00		
Relief	1160.00				.00			.00		
Slope	23.90				.00			.00		
Aspect	147.00				.00			.00		
Elevation	4140.00				.00			.00		
MAP	30.50				.00			.00		
Jan Prec	5.06				.00			.00		
Jul Prec	.36				.00			.00		
Jul Min T	48.20				.00			.00		
Jan Max T	40.90				.00			.00		
Soil Perm	1.20				.00			.00		
Yield	12.75				.00			.00		

Stream: E FK COTTONWOOD CR > COTTONWOOD CR - AT STATE LINE
WAB ID #: 31420613 # WABS ABOVE: 0

MO	WAB ID # 31420613			Sum Upstream WABs			Flow	Difference		Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	
1	7.43	.47	9.4	.00	.00	.0	.00	.00	.0	.00
2	21.00	1.34	26.5	.00	.00	.0	.00	.00	.0	.00
3	20.00	1.27	25.2	.00	.00	.0	.00	.00	.0	.00
4	15.30	.97	19.3	.00	.00	.0	.00	.00	.0	.00
5	5.90	.38	7.4	.00	.00	.0	.00	.00	.0	.00
6	2.61	.17	3.3	.00	.00	.0	.00	.00	.0	.00
7	.60	.04	.8	.00	.00	.0	.00	.00	.0	.00
8	.26	.02	.3	.00	.00	.0	.00	.00	.0	.00
9	.21	.01	.3	.00	.00	.0	.00	.00	.0	.00
10	.60	.04	.8	.00	.00	.0	.00	.00	.0	.00
11	2.02	.13	2.5	.00	.00	.0	.00	.00	.0	.00
12	3.28	.21	4.1	.00	.00	.0	.00	.00	.0	.00
Area	15.70			.00				.00		
Relief	2820.00			.00				.00		
Slope	17.50			.00				.00		
Aspect	197.00			.00				.00		
Elevation	3910.00			.00				.00		
MAP	28.40			.00				.00		
Jan Prec	4.90			.00				.00		
Jul Prec	.32			.00				.00		
Jul Min T	48.70			.00				.00		
Jan Max T	41.00			.00				.00		
Soil Perm	1.02			.00				.00		
Yield	20.12			.00				.00		

Stream: COTTONWOOD CR > KLAMATH R - AT STATE LINE
 WAB ID #: 31420614 # WABS ABOVE: 0

MO	WAB ID # 31420614			Sum Upstream WABS			Flow	Difference		
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	With 50% Flow
1	9.19	.49	8.6	.00	.00	.0	.00	.00	.0	.00
2	25.80	1.38	24.1	.00	.00	.0	.00	.00	.0	.00
3	24.90	1.33	23.3	.00	.00	.0	.00	.00	.0	.00
4	20.80	1.11	19.5	.00	.00	.0	.00	.00	.0	.00
5	10.20	.54	9.5	.00	.00	.0	.00	.00	.0	.00
6	5.20	.28	4.9	.00	.00	.0	.00	.00	.0	.00
7	1.30	.07	1.2	.00	.00	.0	.00	.00	.0	.00
8	.61	.03	.6	.00	.00	.0	.00	.00	.0	.00
9	.49	.03	.5	.00	.00	.0	.00	.00	.0	.00
10	1.19	.06	1.1	.00	.00	.0	.00	.00	.0	.00
11	2.98	.16	2.8	.00	.00	.0	.00	.00	.0	.00
12	4.26	.23	4.0	.00	.00	.0	.00	.00	.0	.00
Area		18.75			.00			.00		
Relief		4340.00			.00			.00		
Slope		22.00			.00			.00		
Aspect		141.00			.00			.00		
Elevation		4240.00			.00			.00		
MAP		30.50			.00			.00		
Jan Prec		4.96			.00			.00		
Jul Prec		.34			.00			.00		
Jul Min T		48.90			.00			.00		
Jan Max T		40.00			.00			.00		
Soil Perm		2.17			.00			.00		
Yield		21.18			.00			.00		

Stream: GROUSE CR > BEAVER CR - AT STATE LINE
WAB ID #: 31420615 # WABS ABOVE: 0

MO	WAB ID # 31420615			Sum Upstream WABs			Flow	Difference		Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	
1	13.20	1.41	11.0	.00	.00	.0	.00	.00	.0	.00
2	15.80	1.69	13.2	.00	.00	.0	.00	.00	.0	.00
3	16.20	1.74	13.5	.00	.00	.0	.00	.00	.0	.00
4	17.90	1.92	15.0	.00	.00	.0	.00	.00	.0	.00
5	18.40	1.97	15.4	.00	.00	.0	.00	.00	.0	.00
6	9.69	1.04	8.1	.00	.00	.0	.00	.00	.0	.00
7	4.32	.46	3.6	.00	.00	.0	.00	.00	.0	.00
8	2.99	.32	2.5	.00	.00	.0	.00	.00	.0	.00
9	2.62	.28	2.2	.00	.00	.0	.00	.00	.0	.00
10	2.62	.28	2.2	.00	.00	.0	.00	.00	.0	.00
11	4.98	.53	4.2	.00	.00	.0	.00	.00	.0	.00
12	10.90	1.17	9.1	.00	.00	.0	.00	.00	.0	.00
Area		9.33			.00			.00		
Relief		3810.00			.00			.00		
Slope		26.70			.00			.00		
Aspect		184.00			.00			.00		
Elevation		5300.00			.00			.00		
MAP		42.20			.00			.00		
Jan Prec		5.51			.00			.00		
Jul Prec		.53			.00			.00		
Jul Min T		48.40			.00			.00		
Jan Max T		37.90			.00			.00		
Soil Perm		2.46			.00			.00		
Yield		34.38			.00			.00		

Stream: COW CR > BEAVER CR - AT STATE LINE
WAB ID #: 31420616 # WABS ABOVE: 1
Streams Above: 1 COW CR > BEAVER CR - AT NF BOUNDARY (41S 1W 11 SESW)

MO	WAB ID # 31420616			Sum Upstream WABs			Difference			Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann	Flow	CSM	% Ann	
1	30.00	1.43	6.3	29.00	1.44	6.3	1.00	1.25	12.8	.00
2	34.60	1.65	7.3	33.40	1.66	7.2	1.20	1.50	15.4	.00
3	45.90	2.19	9.7	44.70	2.22	9.6	1.20	1.50	15.4	.00
4	74.80	3.58	15.8	73.60	3.66	15.9	1.20	1.50	15.4	.00
5	97.40	4.66	20.6	96.30	4.79	20.7	1.10	1.37	14.1	.00
6	58.90	2.82	12.5	58.40	2.90	12.6	.50	.63	6.4	.00
7	23.90	1.14	5.1	23.70	1.18	5.1	.20	.25	2.6	.00
8	17.30	.83	3.7	17.20	.86	3.7	.10	.12	1.3	.00
9	18.30	.88	3.9	18.20	.90	3.9	.10	.12	1.3	.00
10	21.00	1.00	4.4	20.90	1.04	4.5	.10	.13	1.3	.00
11	23.50	1.12	5.0	23.20	1.15	5.0	.30	.37	3.8	.00
12	26.50	1.27	5.6	25.70	1.28	5.5	.80	1.00	10.3	.00
Area		20.91		20.11				.80		
Relief		3410.00		3250.00				-9999.00		
Slope		27.20		26.90				34.90		
Aspect		149.00		149.00				144.00		
Elevation		5540.00		5590.00				4320.00		
MAP		52.20		52.70				40.10		
Jan Prec		6.13		6.16				5.30		
Jul Prec		.71		.71				.56		
Jul Min T		48.30		48.30				48.80		
Jan Max T		37.00		36.90				38.70		
Soil Perm		1.83		1.84				1.71		
Yield		48.93		49.57				27.52		

Stream: COW CR > BEAVER CR - AT NF BOUNDARY (41S 1W 11 SESW)
 WAB ID #: 31420630 # WABS ABOVE: 0

MO	WAB ID # 31420630			Sum Upstream WABs			Flow	Difference		Difference With 50% Flow
	Flow	CSM	% Ann	Flow	CSM	% Ann		CSM	% Ann	
1	29.00	1.44	6.3	.00	.00	.0	.00	.00	.0	.00
2	33.40	1.66	7.2	.00	.00	.0	.00	.00	.0	.00
3	44.70	2.22	9.6	.00	.00	.0	.00	.00	.0	.00
4	73.60	3.66	15.9	.00	.00	.0	.00	.00	.0	.00
5	96.30	4.79	20.7	.00	.00	.0	.00	.00	.0	.00
6	58.40	2.90	12.6	.00	.00	.0	.00	.00	.0	.00
7	23.70	1.18	5.1	.00	.00	.0	.00	.00	.0	.00
8	17.20	.86	3.7	.00	.00	.0	.00	.00	.0	.00
9	18.20	.90	3.9	.00	.00	.0	.00	.00	.0	.00
10	20.90	1.04	4.5	.00	.00	.0	.00	.00	.0	.00
11	23.20	1.15	5.0	.00	.00	.0	.00	.00	.0	.00
12	25.70	1.28	5.5	.00	.00	.0	.00	.00	.0	.00
Area	20.11			.00				.00		
Relief	3250.00			.00				.00		
Slope	26.90			.00				.00		
Aspect	149.00			.00				.00		
Elevation	5590.00			.00				.00		
MAP	52.70			.00				.00		
Jan Prec	6.16			.00				.00		
Jul Prec	.71			.00				.00		
Jul Min T	48.30			.00				.00		
Jan Max T	36.90			.00				.00		
Soil Perm	1.84			.00				.00		
Yield	49.57			.00				.00		