

Meteorological, Stream-Discharge, and Water-Quality Data for 1986 through 1991 from Two Small Basins in Central Nevada

by P.W. McKinley and T.A. Oliver

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CONTENTS

Abstract	1
Introduction	1
Methods of data collection	3
Meteorological data	3
Stream-discharge data	3
Water-quality data	4
Estimation of missing data	4
Data processing and storage	5
References	5

DATA COLLECTION STATIONS FOR WHICH RECORDS ARE INCLUDED IN THIS REPORT

Records from 3 Springs Basin	7
Kawich Peak near Warm Springs, Nev.	8
Daily mean air temperatures for 1989–91.....	9
Daily maximum air temperatures for 1989–91.....	12
Daily minimum air temperatures for 1989–91.....	15
Daily mean soil temperatures for 1989–91.....	18
Daily total solar radiation for 1991.....	21
Daily mean relative humidity for 1991.....	22
Daily total precipitation for 1989–91.....	23
Precipitation water quality for 1989–91.....	26
3 Springs near Ledge Spring, near Warm Springs, Nev.....	28
Surface-water quality for 1987–91.....	28
3 Springs Creek near 3 Spring #2, near Warm Springs, Nev.	30
Surface-water quality for 1985–91.....	30
3 Springs Creek near 3 Spring #3, near Warm Springs, Nev.	33
Surface-water quality for 1985–86.....	33
3 Springs Creek near Warm Springs, Nev.....	34
Daily mean air temperature for 1986–91.....	35
Daily maximum air temperature for 1986–91.....	41
Daily minimum air temperature for 1986–91.....	47
Daily mean soil temperature for 1986–91.....	53
Daily total solar radiation for 1986–91.....	59
Daily mean relative humidity for 1991.....	65
Daily total precipitation for 1986–91.....	66
Precipitation water quality for 1985–91.....	72
Water-quality analysis from the unsaturated-zone lysimeter for 1986–91.....	75
Daily mean discharge for 1987–91.....	78
Surface-water quality for 1985–91.....	83
Records from East Stewart Basin.....	87
Veg Spring near Ione, Nev.	88
Daily mean air temperature for 1989–91.....	89
Daily maximum air temperature for 1989–91.....	92
Daily minimum air temperature for 1989–91.....	95
Daily mean soil temperature for 1989–91.....	98
Daily total solar radiation for 1991.....	101
Daily mean relative humidity for 1991.....	102
Daily total precipitation for 1987–91.....	103
Water-quality analysis from the unsaturated-zone lysimeter #1 for 1988–91.....	108
Water-quality analysis from the unsaturated-zone lysimeter #2 for 1989–91.....	110
Surface-water quality for 1984–91.....	111

East Stewart Creek near Ione, Nev.....	114
Daily mean air temperature for 1986–91	115
Daily maximum air temperature for 1986–91.....	121
Daily minimum air temperature for 1986–91	127
Daily mean soil temperature for 1986–91.....	133
Daily total solar radiation for 1986–91	139
Daily mean relative humidity for 1991	145
Daily total precipitation for 1986–91.....	146
Precipitation water quality for 1985–91.....	152
Water-quality analysis from the unsaturated-zone lysimeter for 1986–91	155
Daily mean discharge for 1987–91	156
Surface-water quality for 1984–91	161
Hellebore Spring near Ione, Nev.....	165
Surface-water quality for 1986–91	165

FIGURE

1. Map showing location of study areas in Nevada	2
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TABLE

1. Physical characteristics of 3 Springs and East Stewart Basins and study sites.....	3
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CONVERSION FACTORS AND VERTICAL DATUM

Multiply	By	To obtain
calorie (cal)	4.184	joule
cubic foot per second (ft ³ /s)	0.02832	cubic meter per second
foot (ft)	0.3048	meter
inch (in)	2.54	centimeter
mile (mi)	1.609	kilometer
square foot (ft ²)	0.09294	square meter
square mile (mi ²)	2.59	square kilometer

Degree Celsius (°C) may be converted to degree Fahrenheit (°F) by using the following equation:

$$^{\circ}\text{F} = 9/5 (^{\circ}\text{C}) + 32.$$

Sea level: In this report “sea level” refers to the National Geodetic Vertical Datum of 1929 (NGVD of 1929)--a geodetic datum derived from a general adjustment of the first-order level nets of both the United States and Canada, formerly called Sea Level Datum of 1929.

Meteorological, Stream-Discharge, and Water-Quality Data for 1986 through 1991 from Two Small Basins in Central Nevada

By Patrick W. McKinley and Thomas A. Oliver

Abstract

Two small basins, measuring less than 2 square miles, were studied to determine the volume of precipitation available for recharge to the ground water. The semiarid 3 Springs Basin is located to the east of Kawich Peak in the Kawich Range east of Tonopah, Nevada. Stewart Basin is a subalpine drainage basin north of Arc Dome in the Toiyabe Range north of Tonopah, Nevada. This publication presents the meteorological, stream-discharge, and water-quality data collected during the study. Meteorological data collected include air temperature, soil temperature, solar radiation, and relative humidity. Stream-discharge data were collected from the surface-water outlet of each basin. Water-quality data are chemical analyses of water samples collected from surface- and ground-water sources.

Data were collected throughout the two basins. Each basin has a meteorological station located in the lower and upper reaches of the basin. Hydrologic records include stream-discharge and water-quality data from the lower meteorological site and water-quality data from springs within the basins. Meteorological data are available from the lower sites from the winter of 1986 through the fall of 1991. Periods of data collection were shorter for additional sites in the basin.

INTRODUCTION

The U.S. Geological Survey (USGS), in cooperation with the U.S. Department of Energy, is investigating the volcanic tuffs of Yucca Mountain, Nevada, for their suitability as storage sites for nuclear waste. Other characteristics of the Yucca Mountain environment, such as the current arid climatic conditions and the deep water table, are desirable for the confinement of the radionuclides. The longevity of current climatic

and hydrologic conditions is questionable and not characteristic of the climatic past. Quantifying potential recharge under cooler and wetter climatic conditions is important to the design of the potential repository and the modeling of future hydrologic conditions.

As part of the characterization of the Yucca Mountain site, the analog recharge project has been designed to determine possible recharge to the ground water under cooler and wetter climatic conditions. For the study, two small basins that are geologically similar to the recharge area for Yucca Mountain were chosen.

This report presents the meteorological, stream-discharge, and water-quality data collected from the two study basins. The structure of the data tabulated in this report is similar to that of a USGS annual data report (Frisbie, et al., 1982). Modifications to the data report format have been made to enhance the usefulness of this report. A list, by page number, of data-collection stations and type of data collected is included in the Table of Contents. Tables of the data follow the References.

The 3 Springs Basin is in the Kawich Range east of Kawich Peak (fig. 1). Some basin statistics are listed in table 1. Vegetation is dominated by a piñon-juniper forest, but includes large areas of willows, mountain mahogany, and sage. The 3 Springs Creek is an intermittent creek at the basin outlet and is occasionally dry for the whole year. The major source of recharge is spring runoff; although, occasionally summer rain or heavy snow in the fall which then quickly melt are sufficient to cause the creek to flow.

East Stewart Basin is in the Toiyabe Range north of Arc Dome (fig. 1). A subalpine forest containing aspen, mountain mahogany, and limber pine covers most of the basin. East Stewart Basin has a perennial stream that is fed by snowmelt from April through early to mid-June and by springs during the remainder of the year.

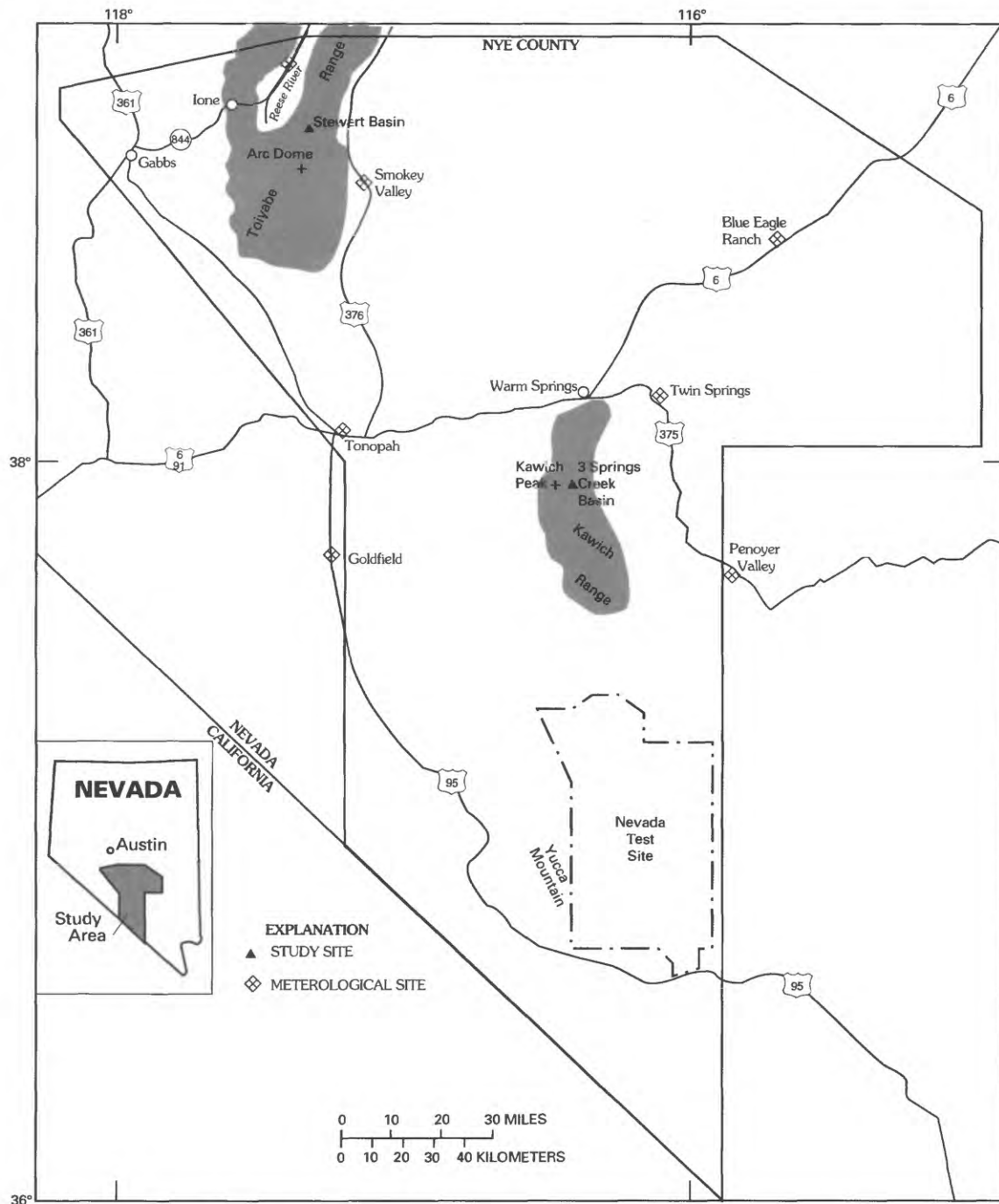


Figure 1. Location of study areas in Nevada.

Table 1. Physical characteristics of 3 Springs and East Stewart Basins and study sites

[Locations and altitudes were taken from USGS 7 1/2" Kawich Peak NW, Nevada, provisional edition 1987, and 7 1/2" South Toiyabe Peak, Nevada, 1979; mi², square miles; ft, feet]

Basin or site name	Location		Drainage area (mi ²)	Altitude (ft)
	Latitude	Longitude		
1) 3 Springs Basin			1.62	
2) 3 Springs Base ¹	37°57'38"	116°25'20"		7,070
3) Kawich Peak ²	37°57'19"	116°26'57"		9,040
4) East Stewart Basin			0.36	
5) Stewart Base ³	38°53'23"	117°21'37"		9,455
6) Veg Spring	38°53'04"	117°21'13"		10,240

¹3 Springs Base refers to the study site at 3 Springs Creek near Warm Springs, Nev.

²Kawich Peak refers to the study site at Kawich Peak near Warm Springs, Nev., and not the actual Kawich Peak.

³Stewart Base refers to the study site at East Stewart Creek near Ione, Nev.

METHODS OF DATA COLLECTION

Meteorological Data

Meteorological data were collected using Campbell Scientific Instrument Co. (CSI) electronic dataloggers and the following probes: air temperature was measured by CSI 107 temperature probes before November 1991, air temperature and relative humidity were measured by CSI 207 humidity probes after November 1990, soil temperature was measured by CSI 107 temperature probes, and solar radiation was measured by Li-Cor Co. LI200SB probes.

Belfort weighing rain gages with Alter wind-shields were used to measure precipitation. Gages were mounted on adjustable platforms so they could be kept above the snow level. Precipitation was trapped by a film of oil to decrease evaporation in the summer. During the winter, an antifreeze solution was used to melt and retain the snowfall. Time and amount of precipitation were recorded on a strip chart. Two gages were located in each basin—one at a low altitude in the basin and one in the higher part of the basin. The gage locations and altitudes are listed in table 1.

Air temperature, soil temperature, and relative humidity were measured every 30 seconds and averaged over a 24-hour period. Solar radiation was measured over a 30-second interval and was totaled for a 24-hour period. Air temperature, soil temperature, and relative humidity are reported as daily average values. Precipitation and solar radiation are reported as daily total values.

Calibrations of the meteorological measurement probes were at regular intervals and when possible field checked during each site visit. The CSI 107 temperature probes used to measure soil temperatures were very stable; probe measurements rarely varying more than 0.2°C from the calibration standard. Relative humidity values reported are considered poor because the annual calibrations were generally off the standard by approximately 10 percent. Manufacturer specifications for the CSI 207 humidity probe indicated the probe was reliable between 15 through 85 percent relative humidity. The temperature measurements by the CSI 207 humidity probe were equivalent to the CSI 107 probe measurements discussed above. Solar radiation measurements by the LI200SB probes were calibrated every two years; the manufactory estimated a decline in sensitivity of 2 percent year was a good estimate. Radiation values were not corrected for the sensitivity decline. Calibration of raingages was checked in the field annually using Belfort calibration weights. Rain-gage accuracy was approximately 0.5 percent of full scale. More information about the measurements can be found in the Remarks section immediately proceeding records for each site.

Stream-Discharge Data

Stream discharge was monitored using a V-notch weir and a Parshall flume for most of the record presented. The gage height of the weir pool was monitored by a datalogger connected to a potentiometer-stilling well system. Gage heights were read by the

datalogger every 30 seconds and averaged over a 30-minute period. In addition to the weir, starting on October 1, 1988, 3 Springs Creek was equipped with a 6-in flume and Stewart Creek with a 9-in flume. Because 3 Springs Creek is generally dry and low flows are significant to understanding the basin hydrology, discharge at 3 Springs Creek is expressed to three decimal places to indicate the presence of flow. The additional decimal place does not infer the record accuracy has increased. The water level in the flumes was monitored every 15 minutes by an automatic digital recorder and stilling well system. Additional information about the record is located in the Remarks section associated with the data tables at the back of the report.

Water-Quality Data

Precipitation samples obtained from the rain gages during quarterly field trips were analyzed for major anions and cations; the stable isotopes, O^{18} and deuterium; and the physical properties, pH and specific conductance. Concentrations of other elements and compounds were measured on an intermittent basis. Precipitation samples represent integrated soluble dry-plus-wetfall. The collection equipment and operation are described by Voegeli and Claussen (1971, p. 3–4).

Surface-water samples were collected quarterly and analyzed for the same constituents and properties as were precipitation samples. Water temperatures reported for the surface-water samples were measured in the stream. Because of the small size of the streams, samples were dipped from the main flow of the stream; the samples are referred to as grab samples.

Unsaturated-zone samples were collected from lysimeters located just below the root zone. Water samples were usually collected twice each year—one in the late spring, to represent the infiltration resulting from snowmelt; and one in early fall, to represent summer rains. Springs also were sampled and were considered to represent the shallow ground water. The samples were analyzed for major anions and cations; the stable isotopes O^{18} and deuterium; and the physical properties, temperature, pH, and specific conductance.

Samples generally were filtered within 24 hours of sampling. All samples were then analyzed at the USGS National Water Quality Laboratory in Arvada, Colorado.

ESTIMATION OF MISSING DATA

Meteorological data “lost” because of equipment failure and human error were estimated by step-forward regression. Data from before and after the period of missing record were regressed with data from

other meteorological stations in central Nevada. Multiple regression equations were developed using data from the analog sites and (or) National Oceanic and Atmospheric Administration, National Weather Service (NOAA/NWS) stations at Tonopah, Goldfield, Twin Springs, Austin, Blue Eagle Ranch, Smokey Valley, Reese River, and Penoyer Valley. Estimates of humidity were not considered possible with available data.

Daily average air temperatures at the analog sites usually correlated best with temperatures at meteorological sites at similar altitudes. Summer air temperatures correlated well, but temperature inversions made winter estimates difficult.

Daily average soil temperatures were available only at the analog sites. Estimates of missing data for periods greater than 2 days were made by regression with available soil-temperature data. Soil temperatures change at a much slower rate than air temperatures; therefore, interpolation was used to estimate one or two missing daily values between known daily values.

Solar-radiation curves were developed from the measured insolation at each site and used to estimate the missing daily values. For periods of less than a day, the Bird and Hulstrum (1981) clear-sky model was used to calculate estimates. If only a few readings were missing and clouds were present, simple interpolation between known values was used. The use of the three methods was necessary because there was no single method that provided the best estimate for all circumstances.

A second precipitation recorder was installed in the East Stewart Basin at Veg Spring on October 9, 1986, and in the 3 Springs Basin at Kawich Peak on September 24, 1988. Two precipitation gages in each basin enabled precipitation estimates to be made from data collected from within the study basins. When precipitation data from the basins was not available, data from nearby NOAA/NWS stations were used to estimate total daily precipitation. Unlike air- and soil-temperature records, precipitation records correlate poorly for central Nevada, eliminating regression as a viable means of estimating lost precipitation data. Clock failure was the cause of lost precipitation record, but the amount of precipitation was available from the strip chart; only the timing of the precipitation was estimated. Humidity measurements at the analog sites and precipitation records at NOAA/NWS stations were used to determine the timing of precipitation. Estimated daily precipitation values for the analog site were calculated as noted in equation 1:

$$\text{estimated daily precipitation} = \frac{(P)(Ta)}{Tb} \quad (1)$$

where P is the known daily precipitation at a NOAA/NWS station, Ta is the total precipitation at the analog site for the period to be estimated, and Tb is the total precipitation at the NOAA/NWS station for the period to be estimated.

Estimated daily discharges usually were from low-flow periods. The stilling well intake attached to the flume is located slightly above the bottom of the flume, thus very low flows are undetected. Periods when the flow approaches zero are common at 3 Springs Creek, an intermittent creek. During a period of undetected flow but when there is indication that flow exists (for example, flow is noted by an observer), daily discharges are reported as estimated. Record lost because of gage malfunction was estimated using peak or recession trends and meteorological data.

DATA PROCESSING AND STORAGE

All time-sequence data were stored as unit values in the USGS National Water Information System (NWIS) data base, which provides calculation of daily, monthly, and annual means or totals. The NWIS software tabling routines were used to organize the data for this report. More information on the NWIS data base was reported by Dempster (1990).

Meteorological data, except for precipitation, were transferred electronically to NWIS and then were processed by and stored in NWIS. Precipitation data were stored in NWIS, but the original data were recorded on strip charts and then were manually translated and input into NWIS.

Surface-water-data computations were made according to methods described by Rantz (1982). Unit values, 30-minute average gage heights from the weir and 15-minute instantaneous gage heights from the flume, were input into NWIS electronically. Datum and shift corrections were applied to the gage heights to correct for erroneous gage operation (datum) or for changes in the control (shift). Daily mean stage was computed by NWIS from the unit values; daily mean discharge was computed from the stage-discharge relation (rating curve) and the daily mean stage.

The standard stage-discharge relation noted in equation 2, (U.S. Bureau of Reclamation, 1984):

$$Q = 2.49H^{2.48} \quad (2)$$

was used for conversion of stage to discharge from the 90° V-notch thin-plate weirs. Q is the discharge, in cubic feet per second; and H is the stage, gage height, or head of the weir, in feet. Flume stage-discharge relations (ratings) were developed from actual laboratory tests (Dodge, 1990). Variations from standard flume dimensions and stream approach conditions accounted for the differences between the standard Parshall flume rating and the developed rating.

REFERENCES

- Bird, R.E., and Hulstrum, R.L., 1981, Simplified clear-sky model for direct and diffuse insolation on horizontal surface: Solar Energy Research Institute, TR-642-761, 47 p. (NNA.931124.0013)
- Dempster, G.R., compiler, 1990, National water information system user's manual, volume 2, chapter 3, Automated data processing system: U.S. Geological Survey Open-File Report 90-116, variously paginated. (NNA.931124.0014)
- Dodge, R.A., 1990, Effects of mountain stream topography on the accuracy of small Parshall flumes: Bureau of Reclamation, Report R-90-03, 15 p. (NNA.931109.0002)
- Frisbie, H.R., La Camera, R.J., Rick, M.M., and Wood, D.B., 1982, Water Resources Data, Nevada, Water Year 1982, U.S. Geological Survey Water-Data Report NV-82-1, 360 p. (NNA.940202.0111)
- Rantz, S.E., 1982, Measurement and computation of stream-flow, volume 2—Computation of discharge: U.S. Geological Survey Water-Supply Paper 2175, p. 285–631. (NNA.931109.0003)
- U.S. Bureau of Reclamation, 1984, Water measurement manual (2nd ed.): U.S. Bureau of Reclamation, p. 270. (NNA.931026.0002)
- Voeggeli, P.T., Sr., and Claassen, H.C., 1971, Radiochemical analyses of water from selected streams, wells, springs, and precipitation collected prior to reentry drilling, Project Rulison: U.S. Geological Survey Open-File Report USGS-474-101, p. 3–4. (NNA.931201.0115)

RECORDS FROM 3 SPRINGS BASIN

3 SPRINGS BASIN

KAWICH PEAK NEAR WARM SPRINGS, NV

LOCATION. -- Lat 37°57'19", long 116°26'57", Nye County, Hydrologic Unit 16060012, 1.4 mi west of the 3 Springs Creek surface-water equipment, 3.9 mi west of Eden Ranch in the Reveille Valley, 16.8 mi south of Warm Springs at the intersection of US Highway 6 and Nevada Highway 375.

PERIOD OF RECORD. -- October 1988 to current year.

REMARKS.-- The precipitation water-quality data for September 25, 1991 was not reported because the sample was contaminated. Values for the daily maximum and minimum air temperature were obtained from the 40 minute average values. Estimated periods of daily record are considered poor.

PERIOD OF DAILY RECORD. --

AIR TEMPERATURE: October 1988 to current year.

SOIL TEMPERATURE: October 1988 to current year.

SOLAR RADIATION: November 1990 to current year.

RELATIVE HUMIDITY: October 1990 to current year.

TOTAL PRECIPITATION: October 1988 to current year.

EXTREMES FOR PERIOD OF RECORD. --

AIR TEMPERATURE: Maximum daily, 26.6°C, July 4, 1991; minimum daily, -25.5°C, Feb. 6, 1989. See remarks for more information.

SOIL TEMPERATURE: Maximum daily mean, 20.0°C, Aug 25, 1991; minimum daily mean, -6.1°C, Dec. 30, 1990.

SOLAR RADIATION: Maximum daily total, 799 cal/cm², June 22-23, 1991; minimum daily total, 25 cal/cm², Dec. 13, 1990.

RELATIVE HUMIDITY: Maximum daily mean, 100 pct, Mar. 4, 1991; minimum daily mean, 15 pct, July 4 and 5, 1991, and Aug. 9, 1991.

TOTAL PRECIPITATION: Maximum daily, 1.45 in, May 29, 1990; no precipitation, most days of record.

3 SPRINGS BASIN

KAWICH PEAK NEAR WARM SPRINGS, NV

DAILY MEAN AIR TEMPERATURE, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.9	7.3	e5.1	-9.2	-3.7	.8	2.1	8.0	e7.0	15.3	16.1	13.2
2	14.0	5.5	e4.0	-2.7	-6.6	-3.0	3.1	8.5	9.1	16.8	15.3	14.7
3	13.0	8.0	e2.1	-1.8	-8.2	-12.6	3.0	9.8	7.0	18.4	15.3	14.9
4	12.4	6.3	e2.6	-2.9	-13.8	-6.7	5.1	10.3	6.0	18.4	15.6	15.0
5	10.5	8.6	e2.7	-6.7	-20.9	2.7	8.1	12.9	6.5	20.1	16.8	16.2
6	6.1	5.5	e1.8	-14.8	-21.3	4.4	12.2	14.0	9.0	21.1	17.5	14.4
7	7.4	3.7	e-4.9	-14.3	-17.3	3.3	12.8	14.4	9.7	21.7	16.4	8.4
8	9.3	.2	e-4.8	-10.7	-10.7	4.2	10.9	13.7	9.5	20.8	13.1	8.7
9	9.7	.2	-2.1	-4.2	-4.5	5.3	11.0	9.1	8.9	18.2	12.0	11.8
10	7.2	.1	1.5	-3.9	-6.2	5.4	11.9	1.3	9.2	16.3	13.0	11.8
11	7.1	-1.1	3.8	-13.9	-8.4	5.2	5.6	-2.0	10.4	14.2	13.2	9.9
12	6.6	1.5	5.4	-10.1	-10.6	5.2	4.4	-1.1	11.5	13.6	15.6	8.0
13	7.5	.5	5.7	-5.1	-12.2	.0	6.9	-2.0	15.6	15.2	17.3	9.6
14	5.9	-6.6	-3.0	-8.0	-10.0	-1.6	10.1	-1.2	18.2	17.7	18.1	12.2
15	7.9	-6.3	-12.2	-6.7	-6.3	1.1	9.9	1.2	18.6	17.7	17.9	13.3
16	10.4	-5.3	-6.4	-2.3	-3.4	-1.0	10.1	4.7	13.9	16.3	16.8	10.8
17	11.7	-8.2	-3.5	.9	-.4	-1.8	11.8	8.7	15.5	17.4	14.6	6.9
18	12.2	-10.2	-5.8	.0	-.8	2.6	12.1	9.2	18.5	19.5	13.6	3.7
19	11.5	-4.3	-7.4	.5	-2.9	.1	12.5	4.7	18.1	20.5	14.0	2.8
20	9.4	-3.4	-6.9	-.7	-4.4	-4.2	11.6	10.7	13.1	20.5	12.7	7.3
21	10.8	-1.2	-10.2	-.6	.5	3.1	8.7	10.2	7.3	16.7	12.4	9.3
22	11.5	1.5	-10.7	-3.2	2.3	3.4	3.9	11.7	12.3	17.8	13.8	10.0
23	10.7	-2.6	-12.5	-5.0	3.7	2.7	1.0	7.0	11.1	17.0	10.8	12.9
24	10.7	-10.1	-9.3	-7.2	4.5	2.5	-5.3	e2.0	6.9	16.5	7.0	14.1
25	9.0	-8.4	-14.3	-9.3	4.8	-3.2	-4.5	e2.8	7.8	17.9	10.5	13.1
26	9.8	-8.4	-16.7	-6.5	4.0	-4.9	-2.5	e7.3	13.1	19.0	12.9	13.1
27	8.6	.9	-14.1	-2.5	-.5	-.1	-3.4	e11.1	11.1	18.0	14.0	12.1
28	6.6	-.8	-15.5	-2.1	-.2	4.2	-1.6	e6.3	10.6	17.3	14.6	12.9
29	5.9	e-1.1	-9.7	.0	---	1.5	1.7	e-.3	12.8	17.9	15.0	11.4
30	5.8	e.7	-4.0	4.2	---	3.6	6.0	e-1.1	13.4	18.3	13.0	7.3
31	8.0	---	-10.1	2.8	---	5.6	---	e3.9	---	17.8	12.0	---
MEAN	9.4	-.9	-4.8	-4.7	-5.5	.9	6.0	6.3	11.4	17.9	14.2	11.0
MAX	14.0	8.6	5.7	4.2	4.8	5.6	12.8	14.4	18.6	21.7	18.1	16.2
MIN	5.8	-10.2	-16.7	-14.8	-21.3	-12.6	-5.3	-2.0	6.0	13.6	7.0	2.8
MED	9.4	-.4	-4.9	-3.9	-4.4	2.5	6.4	7.3	10.9	17.8	14.0	11.8

WTR YR 1989 MEAN 5.2 MAX 21.7 MIN -21.3 MED 6.3

e Estimated

3 SPRINGS BASIN

KAWICH PEAK NEAR WARM SPRINGS, NV

DAILY MEAN AIR TEMPERATURE, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.2	-2.2	-2.0	-4.0	-10.0	1.5	3.6	-.1	2.4	20.2	17.2	15.8
2	4.9	1.0	2.8	-9.6	-9.3	1.7	3.6	3.5	10.2	16.7	16.6	15.3
3	.6	3.2	4.2	-9.5	-6.0	1.2	3.7	4.9	15.1	14.5	18.1	15.2
4	2.7	6.2	6.1	-6.0	-8.7	-.5	2.4	8.4	16.5	15.2	19.0	13.4
5	4.7	4.8	5.2	-3.0	-5.1	-6.1	3.5	10.9	14.6	16.6	19.4	13.8
6	7.6	2.0	-.2	-1.0	-5.8	-4.7	2.8	12.7	12.4	16.6	20.0	13.9
7	6.4	.1	3.3	1.1	-11.2	-.4	2.0	10.1	14.3	16.1	18.4	15.6
8	8.7	2.0	4.7	4.2	-8.7	-.3	-2.2	5.4	15.9	15.0	19.9	17.0
9	10.4	5.6	2.3	6.8	-3.6	.9	2.3	6.9	12.6	15.5	17.7	17.9
10	11.6	7.2	-8.4	7.3	.3	-.4	5.0	5.7	7.1	15.2	16.3	18.1
11	11.7	7.9	-9.5	5.1	1.8	-10.1	8.0	4.5	9.1	18.0	15.9	18.5
12	11.7	6.8	-.4	.1	-.5	-12.5	7.8	6.8	8.7	19.6	14.9	18.6
13	11.4	5.7	-1.4	-3.2	-10.2	-11.0	9.4	6.9	8.7	17.5	16.6	17.4
14	8.9	3.0	2.3	-5.7	-19.0	-4.3	11.5	6.7	6.0	14.7	15.8	16.2
15	6.1	3.3	2.6	-7.5	-14.0	-4.0	9.5	3.4	5.4	14.8	11.4	14.6
16	4.9	4.1	-1.5	-8.1	-11.7	.2	4.3	5.8	8.3	13.0	12.7	12.8
17	5.6	.7	-2.0	-8.3	-8.0	2.8	-.8	8.0	11.8	15.5	13.6	10.3
18	7.4	3.2	-3.7	-9.3	-10.3	2.7	.8	6.7	10.8	16.7	10.9	8.3
19	8.1	7.9	-2.5	-8.4	-9.6	5.2	4.9	4.3	11.5	17.1	6.8	7.2
20	6.5	8.9	-.2	-6.3	-2.4	6.0	3.6	6.8	14.9	18.1	7.2	9.1
21	2.4	6.4	-1.4	-2.9	-2.6	6.5	2.4	10.3	17.8	18.8	10.7	7.6
22	2.3	4.6	2.1	-.3	1.2	6.2	4.4	9.9	19.1	19.1	12.8	7.9
23	3.1	3.6	3.2	-.7	3.0	5.4	.7	7.4	17.6	18.6	13.8	5.9
24	2.4	1.4	2.0	-4.6	3.1	5.2	-1.4	-.8	17.7	15.9	12.7	7.3
25	-4.4	-1.1	1.8	-1.6	2.6	6.3	3.0	6.0	18.1	15.3	9.9	9.0
26	-2.1	-7.0	1.7	-5.0	1.8	5.3	6.0	7.5	18.2	14.9	9.9	9.0
27	.3	-9.6	.5	-9.1	.2	1.0	8.3	6.5	17.7	17.0	12.8	7.6
28	-7.0	-6.0	-4.3	-4.3	1.6	-3.5	6.4	-.2	18.2	18.6	15.4	5.7
29	-5.8	-2.9	-7.1	-3.3	---	-3.0	-3.0	3.7	18.9	19.2	17.2	7.2
30	.8	-.8	-1.8	-5.2	---	-.4	-3.2	4.7	19.8	19.1	16.6	9.7
31	2.0	---	.7	-8.3	---	2.5	---	3.0	---	18.4	15.2	---
MEAN	4.6	2.3	.0	-3.6	-5.0	.0	3.6	6.0	13.3	16.8	14.7	12.2
MAX	11.7	8.9	6.1	7.3	3.1	6.5	11.5	12.7	19.8	20.2	20.0	18.6
MIN	-7.0	-9.6	-9.5	-9.6	-19.0	-12.5	-3.2	-.8	2.4	13.0	6.8	5.7
MED	4.9	3.2	.5	-4.3	-5.5	.9	3.6	6.5	14.4	16.7	15.4	13.1
CAL YR 1989	MEAN 5.4	MAX 21.7	MIN -21.3	MED 5.3								
WTR YR 1990	MEAN 5.5	MAX 20.2	MIN -19.0	MED 5.2								

3 SPRINGS BASIN

KAWICH PEAK NEAR WARM SPRINGS, NV

DAILY MEAN AIR TEMPERATURE, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.5	-3.3	-2.7	-.2	1.2	-4.1	-1.1	.0	4.6	15.2	13.0	15.3
2	10.5	-8.7	-4.0	-.5	-1.4	-4.8	1.9	-4.4	9.4	18.2	14.2	16.8
3	9.1	-3.2	-2.9	-2.3	.7	-1.4	3.9	-1.7	12.4	19.7	14.6	15.6
4	11.3	3.2	2.4	-3.0	3.3	.5	7.7	2.5	12.4	21.0	14.9	15.2
5	10.9	-.8	.8	-2.9	.5	-5.1	7.5	6.2	10.1	21.3	14.0	12.9
6	8.1	-9.0	-.5	-2.9	-.3	-7.7	6.8	6.8	11.2	19.3	13.7	8.2
7	1.1	-4.4	1.2	-3.2	.8	-6.4	.6	9.2	13.3	16.8	14.3	7.3
8	.0	2.9	2.8	-5.4	1.2	-1.2	-1.5	9.5	12.8	11.8	16.6	10.7
9	6.5	5.6	4.4	-7.2	1.2	-1.5	3.7	-4.8	14.2	13.3	18.2	8.2
10	9.6	7.7	2.3	-2.7	.8	-2.3	-7.1	-4.5	16.3	15.4	17.0	5.5
11	6.8	7.3	-.7	.3	2.0	-8.7	-9.2	-1.7	16.8	16.7	12.6	5.9
12	8.6	7.0	-3.6	1.1	2.8	-4.0	-5.8	3.5	16.1	18.3	13.8	8.5
13	10.1	7.5	-6.9	-.5	2.1	-5.5	-1.1	4.1	13.8	18.9	15.1	10.9
14	11.0	4.9	-9.4	-1.4	2.6	-5.5	2.4	-.4	12.2	17.3	15.8	11.8
15	10.9	2.7	-7.5	-3.3	3.2	-7.7	1.6	3.7	12.5	16.0	15.0	10.6
16	8.2	3.7	-10.9	-6.7	-.9	-5.4	-.5	8.2	14.5	15.2	15.9	11.5
17	6.4	3.0	-7.4	-3.1	-5.3	-4.9	-1.5	1.0	15.4	16.2	16.7	13.6
18	5.3	1.4	-4.4	.0	-5.6	-2.9	.6	-2.5	14.6	16.6	16.6	15.5
19	-.7	-1.4	-12.3	-2.0	.9	-5.5	3.1	.2	11.4	14.4	17.2	15.0
20	-2.7	-6.3	-19.8	-8.4	4.9	-7.6	1.8	3.1	11.4	13.3	17.0	15.0
21	3.7	-5.0	-21.3	-10.3	4.5	-6.5	.4	2.1	11.1	14.9	17.8	15.0
22	6.5	1.9	-18.5	-3.6	3.3	-4.4	-.5	4.1	12.0	15.1	19.1	13.7
23	7.1	7.0	-14.9	-2.3	1.6	-4.7	2.4	9.9	11.8	17.1	19.1	14.6
24	8.6	6.6	-8.2	-3.2	-.5	-2.7	3.2	11.5	9.3	17.6	18.8	13.3
25	9.6	2.3	-7.4	-3.6	1.7	-7.0	-3.7	10.6	8.7	17.4	17.5	14.5
26	9.8	-9.8	-8.2	-3.9	.5	-6.8	-2.3	9.4	8.8	18.0	15.1	12.6
27	10.3	-6.0	-2.0	-3.2	-.9	-6.5	-2.7	5.6	5.5	18.9	12.3	9.7
28	9.4	-3.7	-3.5	-4.7	-3.8	-1.6	-.3	7.9	7.6	18.9	12.4	8.9
29	7.5	1.1	-12.7	-6.8	---	-.3	1.5	9.2	7.2	19.2	15.5	8.7
30	6.8	-.2	-4.5	.3	---	.2	2.3	1.5	11.3	18.1	17.3	10.2
31	4.3	---	-1.0	.5	---	2.1	---	.9	---	13.8	13.2	---
MEAN	7.3	.5	-5.8	-3.1	.8	-4.2	.5	3.6	11.6	16.9	15.6	11.8
MAX	11.5	7.7	4.4	1.1	4.9	2.1	7.7	11.5	16.8	21.3	19.1	16.8
MIN	-2.7	-9.8	-21.3	-10.3	-5.6	-8.7	-9.2	-4.8	4.6	11.8	12.3	5.5
MED	8.2	1.7	-4.4	-3.0	1.0	-4.8	.6	3.5	11.9	17.1	15.5	12.2
CAL YR 1990	MEAN 5.1	MAX 20.2	MIN -21.3	MED 5.7								
WTR YR 1991	MEAN 4.6	MAX 21.3	MIN -21.3	MED 3.3								

3 SPRINGS BASIN

KAWICH PEAK NEAR WARM SPRINGS, NV

DAILY MAXIMUM AIR TEMPERATURE, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.7	10.4	---	-4.6	-2.1	4.7	5.3	13.0	---	20.1	20.0	17.6
2	18.0	8.7	---	.7	-5.2	-1.2	7.7	12.6	13.2	21.5	19.5	19.5
3	16.7	11.7	---	1.4	-6.4	-8.1	7.1	13.9	10.4	23.2	19.3	19.6
4	16.5	9.5	---	-.6	-10.1	-1.2	10.2	15.4	10.8	22.8	19.7	20.3
5	13.7	12.7	---	-3.3	-18.1	6.7	13.8	18.2	9.5	24.2	21.5	20.5
6	10.1	8.5	---	-13.4	-18.9	8.4	16.5	18.0	15.0	25.7	22.6	19.2
7	12.2	5.4	---	-11.1	-13.8	6.8	17.3	18.4	14.4	26.3	23.1	13.4
8	13.1	2.3	---	-6.5	-5.3	6.7	15.9	18.3	13.3	25.1	19.2	14.5
9	12.4	4.2	2.2	-2.5	-3.3	8.7	15.4	12.8	15.0	21.5	16.0	16.1
10	10.7	2.8	5.6	1.7	-3.9	8.8	16.4	5.9	14.5	20.5	18.4	16.6
11	11.0	2.0	7.0	-11.6	-3.4	9.3	10.8	-1.1	16.1	18.4	17.4	13.9
12	10.6	4.9	10.2	-5.8	-8.0	9.6	8.6	2.5	16.3	18.1	20.0	12.1
13	11.0	3.6	9.4	-1.3	-7.9	2.6	13.1	.6	19.6	20.8	21.4	15.3
14	9.0	-.7	2.3	-5.6	-4.7	2.0	15.0	.6	22.5	22.7	22.0	17.2
15	11.7	-4.6	-9.0	-2.9	-2.1	5.4	13.3	4.8	22.1	21.6	21.3	18.6
16	14.7	-2.6	-4.1	1.7	-.3	4.5	15.1	8.7	17.6	20.7	20.7	14.4
17	16.1	-6.1	-.6	5.6	3.9	3.3	16.7	12.8	21.0	22.5	17.7	9.4
18	16.6	-7.3	-4.2	4.8	2.3	4.7	17.3	14.1	23.0	24.2	17.8	8.3
19	15.1	-1.5	-6.6	2.3	-1.1	3.0	16.7	11.5	22.3	24.8	18.0	6.5
20	13.4	-.9	-5.9	4.6	-1.5	1.6	15.3	15.5	17.6	24.3	17.1	11.7
21	15.2	3.1	-4.7	3.6	3.7	8.8	12.7	14.5	12.8	21.6	17.3	13.7
22	15.3	4.5	-9.3	-1.5	5.1	7.2	9.0	16.2	17.0	22.3	17.8	15.0
23	16.3	1.3	-9.3	-2.4	7.7	5.7	5.3	12.8	15.1	23.1	16.0	17.9
24	14.9	-7.2	-5.9	-4.2	7.8	6.2	-.3	---	9.7	20.8	12.6	18.5
25	13.3	-6.8	-7.5	-7.1	8.3	-.4	1.0	---	13.4	23.4	15.5	16.3
26	13.5	-4.8	-15.1	-3.2	6.6	-2.1	.9	---	17.3	22.8	17.5	16.3
27	13.2	4.2	-9.8	.8	1.8	4.3	.6	---	14.5	21.9	18.4	14.8
28	9.8	1.4	-13.2	.7	3.5	8.5	3.4	---	14.9	21.7	19.7	16.9
29	9.3	---	-3.4	3.1	---	4.6	7.5	---	17.0	22.2	19.0	15.0
30	11.0	---	.7	8.3	---	8.2	9.5	---	17.3	22.2	17.7	11.0
31	12.6	---	-7.2	6.3	---	9.9	---	---	---	21.7	17.8	---
MAX	18.7	---	---	8.3	8.3	9.9	17.3	---	---	26.3	23.1	20.5

3 SPRINGS BASIN

KAWICH PEAK NEAR WARM SPRINGS, NV

DAILY MAXIMUM AIR TEMPERATURE, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.1	2.4	-1.1	-1.5	-8.4	4.6	8.7	5.7	8.7	24.0	22.0	19.8
2	9.4	4.4	6.6	-7.4	-5.9	4.8	8.1	7.6	15.5	21.4	21.0	19.4
3	4.1	7.1	8.0	-6.4	-2.3	5.1	8.4	9.2	20.1	18.9	22.8	19.0
4	6.7	8.9	10.7	-3.1	-7.3	2.7	6.4	13.7	21.4	20.2	24.0	17.5
5	10.4	8.6	7.6	-1.1	-1.9	-4.5	8.1	15.7	18.5	21.2	24.2	18.8
6	11.2	6.1	1.8	2.3	-4.0	-1.5	7.1	16.6	15.6	20.9	24.4	19.5
7	9.7	3.5	6.1	3.0	-6.7	3.3	6.2	15.0	18.8	20.3	22.2	21.2
8	14.3	5.7	8.7	6.0	-4.1	2.4	-1.9	10.2	21.1	18.4	24.3	22.0
9	16.0	8.9	4.5	9.9	.4	4.8	7.7	12.9	16.4	20.0	23.4	22.4
10	16.5	11.2	-2.1	11.6	3.1	2.8	10.9	10.3	11.0	18.2	21.9	23.0
11	16.0	12.7	-1.9	8.5	6.9	-6.4	11.8	7.9	13.8	23.1	20.9	23.5
12	16.2	10.2	3.6	2.1	2.0	-10.0	11.8	11.8	13.3	24.2	19.8	23.3
13	15.2	8.7	1.4	-2.2	-3.2	-8.2	14.4	11.9	13.3	23.4	21.0	22.2
14	12.7	6.0	4.7	-3.8	-17.0	-1.3	15.8	10.1	11.4	19.9	20.8	20.0
15	9.3	6.5	6.4	-4.8	-9.4	.3	14.0	7.9	8.8	19.9	16.3	19.2
16	9.8	6.8	2.1	-7.6	-8.8	4.1	9.4	11.8	13.7	17.7	17.0	17.0
17	9.9	3.1	1.1	-7.5	-6.7	5.7	1.6	13.2	16.5	20.3	17.4	13.6
18	12.7	8.3	-1.0	-5.7	-7.9	6.4	4.1	11.3	15.6	22.3	15.9	11.8
19	12.7	13.9	.5	-3.4	-6.6	8.3	9.0	6.8	16.4	21.9	13.0	10.4
20	10.2	13.1	3.0	-3.1	1.3	8.6	7.9	12.0	20.7	22.4	12.6	13.8
21	4.2	9.6	1.0	2.1	-1.6	10.2	6.4	15.1	23.4	23.2	15.5	10.2
22	5.5	9.2	6.4	2.8	4.5	10.1	8.4	14.7	23.1	23.9	18.1	12.7
23	5.7	7.4	8.8	1.2	8.5	9.1	5.3	12.7	21.5	22.6	18.8	9.0
24	6.2	5.4	5.7	-1.1	7.6	10.0	2.4	5.2	21.7	20.2	16.6	11.5
25	-1.7	2.5	6.1	2.3	6.2	10.2	9.2	11.6	22.6	19.6	14.5	13.2
26	3.1	-2.2	6.2	-1.8	5.7	9.8	10.7	11.1	22.3	20.2	14.4	13.6
27	4.5	-7.1	5.0	-4.9	4.5	4.5	12.8	11.1	22.1	22.1	17.8	12.7
28	-3.4	-2.8	-1.7	-2.5	5.2	-1.6	11.8	.6	23.0	23.4	20.8	10.4
29	-1.2	.4	-4.6	-1.1	---	.3	2.8	7.3	22.6	24.0	21.4	12.0
30	7.3	3.2	.5	-3.1	---	3.4	1.4	9.0	24.2	23.5	20.6	15.1
31	6.0	---	4.7	-5.4	---	6.8	---	7.3	---	22.7	19.9	---
MAX	16.5	13.9	10.7	11.6	8.5	10.2	15.8	16.6	24.2	24.2	24.4	23.5
WTR YR 1990	MAX 24.4											

3 SPRINGS BASIN

KAWICH PEAK NEAR WARM SPRINGS, NV

DAILY MAXIMUM AIR TEMPERATURE, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.8	-6	.0	4.7	6.4	-2.8	1.8	4.7	8.9	21.5	18.2	21.0
2	14.8	-5.3	.0	6.3	.5	-1.3	8.5	-1.0	15.0	24.5	19.8	22.6
3	15.4	1.6	2.3	-2	4.7	1.0	10.0	3.0	17.8	25.7	19.8	21.0
4	17.0	8.2	7.3	.1	7.4	2.1	12.7	9.0	16.4	26.6	18.3	21.3
5	15.3	2.2	4.1	1.8	3.8	-.8	10.7	12.8	15.0	26.0	17.8	16.5
6	13.1	-6.4	6.6	2.6	4.0	-1.9	11.8	10.1	15.8	24.9	18.4	9.6
7	5.1	1.8	7.9	.9	6.1	.5	3.6	15.6	18.1	21.9	19.2	12.0
8	7.4	7.4	10.5	-.9	6.6	1.9	5.3	14.7	18.7	16.7	22.8	14.5
9	13.2	11.1	9.4	-4.2	6.8	2.3	8.8	-.5	19.4	19.0	22.8	13.3
10	14.4	13.5	6.2	1.3	6.3	2.1	-3.5	.0	22.4	21.0	21.5	9.7
11	11.8	11.9	2.0	5.2	6.5	-5.3	-4.3	3.5	22.2	21.9	18.7	10.8
12	14.1	13.0	-1.0	4.4	5.7	1.9	-2.3	10.1	21.2	23.8	18.9	13.4
13	13.8	11.1	-5.0	2.9	6.4	-2.0	4.4	9.2	18.3	22.9	20.9	16.6
14	16.0	9.3	-3.7	1.6	8.7	.2	6.6	3.7	16.3	21.4	20.4	16.3
15	16.0	5.5	-3.8	-.8	7.6	-4.4	6.1	11.1	17.8	20.0	19.4	16.8
16	12.9	7.7	-8.0	-2.2	1.4	-.4	4.4	13.7	19.9	19.3	21.5	18.3
17	11.8	7.4	-4.1	.2	-2.4	-.9	2.5	6.5	19.9	20.7	22.1	19.8
18	6.4	4.7	-1.3	5.4	-1.6	.9	5.7	2.0	19.2	20.2	21.1	21.2
19	4.3	.1	-7.7	3.1	5.8	-3.7	7.6	5.8	16.3	18.7	23.4	20.2
20	2.1	-3.3	-17.2	-6.2	10.2	-5.7	4.3	9.5	16.5	18.3	22.4	20.8
21	9.4	-1.4	-17.2	-6.3	9.5	-2.4	4.7	5.5	15.0	21.1	23.4	19.5
22	10.9	8.2	-15.4	.3	7.7	1.6	3.8	8.4	17.8	20.5	23.7	20.1
23	13.5	10.6	-10.1	2.6	6.2	-1.1	7.8	16.1	16.2	22.8	23.6	19.5
24	14.5	12.2	-2.7	.0	4.6	1.6	8.3	17.5	14.2	22.7	23.2	19.6
25	14.9	4.6	-3.1	1.4	7.1	-4.8	-1.4	15.9	13.0	22.3	21.5	19.7
26	16.1	-4.7	-5.3	1.6	6.4	-.6	3.4	13.5	14.2	22.8	19.0	18.1
27	16.2	-2.1	2.7	.8	3.3	-4.1	1.5	10.8	7.2	23.8	15.7	13.6
28	13.6	.9	.3	-1.1	-3.2	4.5	7.1	13.3	12.4	25.8	19.0	13.9
29	10.9	6.4	-9.6	-2.0	---	4.9	5.7	14.2	11.6	24.2	21.4	13.8
30	11.2	3.6	-.4	6.1	---	7.0	8.3	7.3	18.4	24.5	22.8	16.7
31	8.0	---	3.9	4.9	---	7.0	---	5.1	---	17.5	17.9	---
MAX	17.0	13.5	10.5	6.3	10.2	7.0	12.7	17.5	22.4	26.6	23.7	22.6
CAL YR 1990	MAX 24.4											
WTR YR 1991	MAX 26.6											

3 SPRINGS BASIN

KAWICH PEAK NEAR WARM SPRINGS, NV

DAILY MINIMUM AIR TEMPERATURE, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.1	4.5	---	-11.6	-5.7	-1.9	-1.3	3.5	---	9.2	12.7	9.3
2	9.0	3.6	---	-9.0	-7.7	-7.4	.2	2.0	4.8	12.1	11.1	10.0
3	10.2	4.9	---	-4.1	-10.0	-15.2	-.5	5.8	2.1	13.6	11.7	8.5
4	7.4	3.5	---	-4.8	-19.0	-14.0	.7	6.4	2.3	11.0	11.6	8.5
5	5.4	5.8	---	-13.5	-25.3	-3.6	1.0	6.4	3.1	15.2	12.0	12.6
6	4.3	3.5	---	-16.5	-25.5	1.3	8.1	8.5	2.7	16.8	13.1	8.7
7	2.6	1.2	---	-16.5	-22.0	.6	6.2	10.4	6.0	18.2	9.7	4.8
8	3.9	-2.8	---	-16.0	-16.4	2.0	4.3	8.6	5.7	17.9	8.8	4.0
9	7.4	-3.4	-5.9	-7.0	-5.5	3.0	6.5	3.8	4.7	14.7	8.5	6.2
10	4.9	-2.5	-2.1	-14.4	-10.8	2.9	8.1	-1.1	3.9	10.5	8.1	8.2
11	3.1	-4.3	1.0	-15.5	-11.8	1.3	-.3	-3.7	5.4	11.4	9.3	6.1
12	1.6	-1.2	1.8	-14.9	-13.6	1.6	.3	-4.2	6.4	9.7	11.1	4.3
13	5.1	-1.9	.7	-8.1	-14.8	-3.9	.8	-3.1	9.4	9.0	11.5	3.4
14	2.2	-9.7	-14.5	-11.5	-15.8	-5.1	3.5	-2.5	13.3	11.9	13.4	8.2
15	2.9	-9.6	-15.5	-12.2	-9.2	-5.5	7.0	-1.7	13.6	13.9	13.6	6.9
16	7.2	-9.6	-9.9	-8.3	-6.4	-7.5	2.8	.2	10.2	9.6	13.4	7.1
17	6.9	-10.3	-5.7	-3.6	-5.7	-7.6	5.7	3.7	7.2	10.1	12.0	2.9
18	6.8	-12.2	-7.7	-3.7	-2.5	.0	6.0	2.5	12.3	14.3	9.0	-1.2
19	6.6	-7.7	-8.5	-2.0	-5.6	-7.0	8.5	-2.5	13.7	14.5	10.7	-.4
20	5.3	-5.2	-8.2	-4.0	-6.9	-9.9	8.7	6.4	3.7	12.0	7.6	3.1
21	5.4	-4.1	-13.1	-3.2	-2.7	-3.4	3.3	5.4	1.3	11.6	6.1	4.3
22	6.9	-2.1	-12.0	-4.7	-1.0	.3	-.4	7.2	6.2	11.9	10.1	5.5
23	5.3	-10.6	-14.6	-9.0	.5	-.2	-2.8	.5	6.0	12.0	4.4	6.5
24	6.4	-11.8	-12.4	-10.0	2.5	-2.2	-10.0	---	3.4	12.3	1.5	11.0
25	5.2	-10.6	-16.9	-11.2	1.8	-7.8	-9.1	---	3.0	11.1	3.8	10.2
26	5.4	-10.2	-17.8	-9.1	.1	-7.5	-5.2	---	7.6	15.7	9.2	10.2
27	4.4	-5.1	-17.6	-8.1	-2.9	-4.7	-6.9	---	7.8	14.2	10.0	10.1
28	4.8	-4.9	-18.2	-4.5	-3.7	.8	-6.9	---	5.1	12.4	7.9	9.8
29	3.9	---	-17.2	-3.2	---	-1.2	-4.1	---	8.3	13.6	12.1	7.7
30	.7	---	-9.4	1.3	---	-.8	2.5	---	9.5	15.0	8.7	3.0
31	3.0	---	-11.8	-2.9	---	1.0	---	---	---	14.5	5.3	---
MIN	.7	---	---	-16.5	-25.5	-15.2	-10.0	---	---	9.0	1.5	-1.2

3 SPRINGS BASIN

KAWICH PEAK NEAR WARM SPRINGS, NV

DAILY MINIMUM AIR TEMPERATURE, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.1	-6.7	-4.6	-7.7	-11.4	-.1	-1.8	-6.1	-4.1	16.5	12.2	12.2
2	-.6	-3.6	-1.6	-14.5	-12.9	-1.4	-.8	-.4	4.6	13.1	11.0	10.7
3	-2.5	.3	-.6	-14.1	-9.7	-2.4	-1.7	-.1	10.0	8.9	13.4	11.7
4	-.9	3.1	1.7	-8.1	-10.0	-5.9	-1.4	2.9	10.2	10.5	15.2	9.7
5	-.1	1.2	-.1	-4.5	-11.1	-7.3	-2.2	6.1	10.2	12.1	13.4	9.9
6	4.1	-1.2	-2.6	-5.2	-7.1	-8.5	.2	8.9	8.3	12.6	15.1	9.4
7	1.2	-2.2	.9	-1.0	-17.1	-4.4	-1.9	6.1	9.3	11.9	13.4	9.8
8	3.3	-2.7	1.4	1.7	-15.7	-2.2	-3.3	.1	8.7	11.5	16.0	11.2
9	4.9	1.7	-1.7	4.3	-7.6	-2.0	-1.7	-1.7	6.1	11.3	13.3	12.3
10	7.0	4.5	-13.8	4.1	-2.4	-5.2	-2.0	2.0	4.3	12.9	10.0	13.4
11	8.4	3.8	-14.5	2.0	-2.8	-12.1	3.3	1.3	1.8	12.5	9.2	14.8
12	7.1	4.3	-3.1	-2.1	-4.2	-14.3	3.8	-.7	3.7	14.3	11.0	13.9
13	8.9	2.5	-4.0	-3.8	-19.0	-14.5	5.3	.7	1.4	14.2	11.1	12.0
14	6.4	-.4	-.1	-7.4	-20.5	-9.5	8.4	.8	.8	11.2	12.0	13.2
15	2.1	.7	-2.9	-8.9	-19.5	-7.4	5.5	-1.4	2.2	10.2	8.1	10.7
16	.1	1.3	-5.0	-8.7	-14.7	-4.7	-1.3	-1.0	1.0	10.3	8.8	7.1
17	2.5	-2.1	-4.2	-9.2	-9.3	.7	-2.6	.4	7.2	11.5	9.7	6.1
18	2.8	-3.6	-7.6	-12.6	-12.8	.0	-1.6	.2	5.8	12.0	5.4	4.3
19	3.6	3.5	-6.4	-12.0	-12.3	2.4	.9	1.8	6.0	11.5	1.2	3.7
20	3.8	4.5	-3.7	-9.3	-7.0	4.5	-.6	.4	9.4	12.6	.4	4.9
21	1.0	2.7	-4.1	-8.6	-4.3	3.7	.0	5.1	10.1	13.4	6.3	5.6
22	-.3	.0	-.5	-3.3	-2.5	1.8	-.6	4.7	15.0	13.1	5.7	5.2
23	1.5	.4	-.7	-4.0	-1.7	1.3	-3.4	-5.0	13.5	14.1	7.8	3.9
24	-1.6	-3.0	-.7	-7.7	-1.1	-1.0	-4.7	-6.3	13.4	11.5	9.5	3.5
25	-7.3	-3.3	-2.0	-5.5	-1.1	.3	-3.1	-1.7	13.5	10.4	5.0	5.9
26	-9.1	-10.6	-2.2	-12.6	-2.2	2.0	2.2	3.5	13.7	7.7	4.9	6.0
27	-5.5	-11.6	-3.1	-14.3	-2.7	-3.8	2.9	.6	11.9	10.7	8.2	2.9
28	-10.5	-10.6	-7.3	-7.2	-2.9	-5.1	-4.8	-1.1	10.8	12.6	10.8	3.4
29	-10.8	-6.7	-9.3	-6.0	---	-6.4	-7.0	.4	15.1	13.9	13.5	3.2
30	-6.4	-6.2	-4.4	-9.5	---	-5.3	-7.9	-.4	15.5	15.1	12.4	6.0
31	-4.6	---	-2.9	-10.3	---	-1.0	---	-.8	---	14.8	11.3	---
MIN	-10.8	-11.6	-14.5	-14.5	-20.5	-14.5	-7.9	-6.3	-4.1	7.7	.4	2.9
WTR YR 1990	MIN -20.5											

3 SPRINGS BASIN

KAWICH PEAK NEAR WARM SPRINGS, NV

DAILY MINIMUM AIR TEMPERATURE, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.4	-9.4	-6.7	-5.2	-2.2	-6.4	-2.5	-6.7	.7	8.5	9.8	10.3
2	7.0	-12.3	-7.2	-4.9	-3.2	-8.8	-5.9	-6.4	5.3	11.5	8.5	13.0
3	5.2	-9.2	-6.5	-4.2	-3.5	-4.4	-3.4	-7.2	6.1	14.4	8.0	11.4
4	5.0	-1.5	-3.1	-6.1	-2.3	-1.1	.3	-3.3	8.6	14.3	11.3	9.9
5	7.6	-8.7	-4.0	-6.6	-2.7	-10.5	5.4	-1.8	4.4	14.6	10.6	9.5
6	3.5	-11.4	-4.6	-6.0	-3.8	-12.6	.7	4.7	6.2	14.6	7.8	6.9
7	-3.8	-11.0	-3.6	-6.2	-3.4	-12.4	-3.8	3.1	6.9	13.7	10.0	5.2
8	-4.8	.1	-1.7	-9.3	-3.7	-4.7	-7.7	.1	5.5	8.8	10.3	8.0
9	-1.1	-.3	-1.1	-10.2	-3.3	-5.2	-2.8	-7.4	7.2	9.5	12.4	3.0
10	4.8	1.4	-1.1	-6.0	-4.3	-5.9	-13.1	-8.3	8.4	9.2	13.2	.9
11	1.2	3.4	-2.3	-3.4	-3.5	-12.0	-14.0	-8.4	10.2	10.2	8.9	1.1
12	1.0	2.6	-5.5	-3.6	.4	-8.3	-8.8	-3.7	11.4	12.3	10.4	4.6
13	6.6	4.3	-11.5	-2.7	-.8	-8.5	-7.5	-3.1	8.8	13.8	8.8	3.5
14	7.1	3.0	-15.2	-4.1	-3.1	-8.6	-2.7	-3.6	8.1	13.6	11.0	7.1
15	7.2	.8	-10.7	-8.0	-.1	-9.4	-3.2	-1.7	4.4	12.4	10.6	6.0
16	1.0	.4	-12.9	-10.2	-3.4	-9.5	-6.1	.1	9.5	11.0	8.9	5.5
17	-.4	-.3	-12.2	-5.6	-8.5	-7.9	-5.5	-4.3	10.4	12.0	10.1	7.0
18	3.8	-1.3	-7.6	-3.6	-10.0	-5.9	-5.2	-6.3	10.4	12.6	11.3	8.3
19	-6.7	-4.0	-18.9	-7.0	-3.9	-8.2	-1.3	-4.1	6.0	10.2	12.0	10.2
20	-7.4	-9.0	-23.5	-11.4	.7	-9.6	-1.4	-3.2	6.2	8.2	9.3	8.7
21	-2.0	-8.7	-23.5	-14.2	-1.2	-9.5	-3.6	-1.2	6.9	9.4	10.2	9.0
22	3.3	-4.1	-23.1	-8.0	.3	-10.8	-3.8	.5	3.8	8.6	14.0	8.2
23	1.1	4.2	-18.2	-7.4	-3.8	-6.7	-3.7	4.5	7.1	9.6	15.1	8.9
24	3.3	.2	-15.7	-6.5	-4.3	-6.4	-1.8	6.7	4.7	11.0	14.7	8.4
25	4.4	-3.4	-11.0	-7.9	-4.5	-9.8	-6.8	5.3	4.0	12.9	13.6	7.8
26	4.9	-12.4	-11.4	-8.7	-5.5	-10.6	-8.2	3.2	1.8	13.4	11.9	8.5
27	5.2	-10.0	-6.9	-6.0	-4.4	-8.1	-6.9	.4	4.1	14.8	6.1	6.5
28	6.7	-7.7	-9.3	-12.9	-4.8	-7.2	-6.3	1.4	3.0	12.7	5.3	5.0
29	5.2	-4.7	-15.9	-14.8	---	-4.3	-3.9	3.8	2.7	13.0	9.2	5.3
30	4.1	-6.5	-10.5	-5.8	---	-5.8	-5.4	-4.0	2.1	14.1	12.4	4.5
31	-.3	---	-5.4	-3.3	---	-1.6	---	-3.7	---	10.3	9.5	---
MIN	-7.4	-12.4	-23.5	-14.8	-10.0	-12.6	-14.0	-8.4	.7	8.2	5.3	.9
CAL YR 1990	MIN -23.5											
WTR YR 1991	MIN -23.5											

3 SPRINGS BASIN

KAWICH PEAK NEAR WARM SPRINGS, NV

DAILY MEAN SOIL TEMPERATURE, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.6	5.8	e-1.2	-1.2	-1.0	-.1	2.9	6.1	e7.5	13.5	17.2	13.7
2	10.0	5.6	e-1.2	-1.2	-.8	.0	3.1	7.0	9.3	14.2	16.8	13.9
3	10.2	5.8	e-1.3	-1.3	-.7	.0	3.1	8.1	9.1	14.8	16.6	14.2
4	10.2	5.8	e-1.4	-1.3	-.8	-.1	3.6	9.1	7.8	15.3	16.6	13.6
5	10.1	5.6	e-1.4	-1.2	-1.0	-.2	4.3	9.3	6.9	15.6	16.6	14.1
6	9.2	5.8	e-1.3	-1.0	-1.1	-.1	5.0	9.6	7.9	16.1	16.8	14.0
7	7.8	5.0	e-1.0	-1.0	-1.2	.0	5.8	10.1	9.2	16.4	16.7	13.7
8	7.3	4.4	e-1.1	-1.0	-1.4	.0	6.6	10.6	9.1	16.6	15.8	13.0
9	7.9	3.6	-1.1	-1.1	-1.6	.0	7.1	10.0	8.9	16.6	14.5	12.5
10	7.7	3.5	-1.1	-1.1	-1.7	.1	7.5	8.3	9.3	15.9	14.3	12.4
11	7.1	2.8	-1.0	-1.0	-1.7	.1	7.6	5.9	10.1	15.4	14.5	12.2
12	7.5	2.4	-.8	-1.0	-1.6	.1	7.0	4.5	10.3	14.9	15.0	11.9
13	7.4	2.5	-.6	-1.1	-1.6	.1	6.8	3.5	10.9	14.7	15.3	9.8
14	7.6	2.7	-.4	-1.2	-1.6	.1	6.9	3.0	12.1	14.7	15.6	10.1
15	7.1	2.4	-.8	-1.3	-1.7	.1	7.9	2.6	13.6	15.4	15.9	10.5
16	7.5	2.1	-1.2	-1.4	-1.7	.1	8.1	2.2	13.9	15.5	15.8	10.3
17	7.5	1.9	-1.1	-1.5	-1.7	.1	8.9	2.2	13.8	15.8	15.5	10.1
18	7.3	1.7	-.9	-1.4	-1.7	.1	9.3	4.7	14.3	16.3	15.1	8.4
19	8.0	1.3	-.9	-1.4	-1.6	.1	9.4	6.3	14.9	16.4	15.1	7.7
20	7.4	1.0	-1.0	-1.3	-1.5	.0	9.6	7.5	14.7	16.8	14.8	7.7
21	7.0	.8	-1.0	-1.2	-1.4	.0	9.5	8.8	13.5	16.6	14.1	7.7
22	7.2	.9	-1.0	-1.2	-1.4	.3	8.7	9.4	13.2	16.1	14.5	8.5
23	6.8	1.1	-1.1	-1.2	-1.3	.5	8.1	9.5	13.3	16.5	14.6	8.6
24	6.5	.9	-1.2	-1.1	-1.0	1.0	6.9	e8.3	12.6	16.2	13.8	9.7
25	5.8	.1	-1.2	-1.2	-.6	.8	5.6	e8.2	11.4	15.3	12.9	10.2
26	5.5	.1	-1.1	-1.3	-.4	.3	4.7	e8.8	11.7	15.9	13.4	10.6
27	5.8	.1	-1.1	-1.5	-.2	.2	3.3	e9.8	12.4	16.5	13.9	10.6
28	6.1	.2	-1.2	-1.6	-.1	.6	2.6	e9.9	12.3	16.9	14.0	10.5
29	6.3	e-.5	-1.3	-1.6	---	1.2	3.3	e8.7	12.7	17.0	14.3	10.3
30	5.6	e-1.0	-1.4	-1.5	---	1.7	4.5	e7.1	13.0	17.2	14.2	9.9
31	4.9	---	-1.3	-1.2	---	2.3	---	e6.3	---	17.4	13.7	---
MEAN	7.5	2.5	-1.1	-1.2	-1.2	.3	6.3	7.3	11.3	15.9	15.1	11.0
MAX	10.2	5.8	-.4	-1.0	-.1	2.3	9.6	10.6	14.9	17.4	17.2	14.2
MIN	4.9	-1.0	-1.4	-1.6	-1.7	-.2	2.6	2.2	6.9	13.5	12.9	7.7
MED	7.4	2.2	-1.1	-1.2	-1.4	.1	6.8	8.2	11.9	16.1	15.0	10.5

WTR YR 1989 MEAN 6.2 MAX 17.4 MIN -1.7 MED 6.5

e Estimated

3 SPRINGS BASIN

KAWICH PEAK NEAR WARM SPRINGS, NV

DAILY MEAN SOIL TEMPERATURE, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.5	-1.0	-3.0	-3.2	-2.4	-.3	.6	3.8	6.2	16.5	17.2	14.4
2	8.4	-1.6	-3.5	-3.1	-2.4	-.2	1.5	4.6	7.5	16.5	16.7	14.5
3	7.4	-.6	-3.4	-4.0	-2.4	-.2	2.3	5.4	9.5	15.7	17.1	14.7
4	6.4	.6	-3.0	-4.4	-2.5	-.1	2.2	6.5	10.9	15.7	17.0	14.7
5	5.7	1.5	-2.1	-4.0	-2.4	-.1	2.7	7.9	11.9	15.9	16.7	14.6
6	6.0	1.4	-1.5	-4.2	-2.3	.0	3.2	8.8	11.8	16.2	17.0	14.2
7	6.3	1.0	-1.5	-3.5	-2.1	.0	2.7	9.2	12.4	16.3	16.8	13.8
8	6.1	.0	-1.6	-2.2	-2.0	.0	1.9	8.8	12.8	16.2	16.9	14.0
9	6.0	.5	-1.2	-1.4	-2.0	.0	1.2	8.0	12.6	16.2	16.6	14.5
10	6.1	1.6	-2.1	-1.0	-1.9	.0	2.2	8.4	10.6	15.4	16.4	14.5
11	7.1	1.5	-3.9	-.7	-1.6	.1	3.4	8.4	9.7	14.5	15.9	14.6
12	7.5	2.5	-3.7	-.7	-1.3	.1	4.3	8.2	10.2	14.6	15.5	14.7
13	8.1	2.3	-2.9	-.8	-1.1	.1	5.4	8.9	10.6	15.6	14.8	14.6
14	8.1	2.0	-2.8	-1.2	-1.2	.1	6.2	8.9	11.0	14.7	15.3	14.6
15	7.1	1.7	-1.7	-1.9	-1.8	.1	6.9	8.7	9.9	12.6	14.8	14.1
16	5.9	1.4	-1.9	-2.3	-2.4	.0	6.5	8.6	9.7	12.9	13.7	13.1
17	5.4	1.5	-2.7	-2.2	-2.6	.1	5.0	9.1	11.0	13.4	13.8	12.5
18	4.7	.6	-3.0	-2.0	-2.6	.1	3.8	9.2	12.0	14.5	13.8	12.1
19	4.6	.2	-3.8	-1.9	-2.5	.1	3.6	8.6	12.4	15.2	13.1	10.4
20	5.6	.6	-3.9	-1.9	-2.3	.1	4.0	8.4	13.1	15.8	11.8	10.5
21	5.6	1.7	-3.5	-2.0	-2.2	.0	3.7	9.6	13.6	16.3	12.2	10.4
22	5.7	1.1	-2.9	-2.1	-2.0	.1	3.9	10.5	14.4	16.3	12.4	10.5
23	5.9	1.1	-3.1	-2.0	-1.8	.1	3.7	10.4	14.8	16.9	12.8	10.1
24	5.2	1.6	-3.0	-1.9	-1.4	.1	3.0	8.7	14.9	16.7	13.4	9.0
25	4.2	1.2	-3.3	-2.0	-1.0	.2	3.1	7.5	15.3	16.0	13.1	9.1
26	2.7	.9	-3.7	-2.0	-.7	.4	4.6	8.7	15.5	15.9	12.6	8.9
27	1.3	-1.3	-3.3	-2.1	-.5	.5	5.8	8.7	15.4	15.8	12.7	8.6
28	.6	-2.5	-3.2	-2.3	-.4	.3	6.5	6.1	15.2	16.5	13.3	8.5
29	-.7	-3.1	-3.4	-2.3	---	.1	5.3	3.7	15.6	17.0	14.2	8.7
30	-1.3	-3.3	-3.5	-2.3	---	.0	4.4	3.9	16.0	17.1	14.7	8.8
31	-1.3	---	-3.2	-2.2	---	.1	---	5.1	---	17.2	14.6	---
MEAN	5.1	.5	-2.9	-2.3	-1.9	.1	3.8	7.8	12.2	15.7	14.7	12.3
MAX	8.5	2.5	-1.2	-.7	-.4	.5	6.9	10.5	16.0	17.2	17.2	14.7
MIN	-1.3	-3.3	-3.9	-4.4	-2.6	-.3	.6	3.7	6.2	12.6	11.8	8.5
MED	5.9	1.0	-3.0	-2.1	-2.0	.1	3.7	8.6	12.2	15.9	14.7	13.4
CAL YR 1989	MEAN 5.7	MAX 17.4	MIN -3.9	MED 5.6								
WTR YR 1990	MEAN 5.5	MAX 17.2	MIN -4.4	MED 4.6								

3 SPRINGS BASIN

KAWICH PEAK NEAR WARM SPRINGS, NV

DAILY MEAN SOIL TEMPERATURE, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.6	3.6	-2.5	-5.5	-5.0	-1.1	.0	.4	5.9	12.8	16.1	18.1
2	9.0	2.2	-2.8	-5.6	-4.5	-1.1	.1	.5	7.3	14.0	15.9	18.3
3	9.0	.6	-3.0	-5.0	-4.3	-1.1	.1	.4	8.1	15.2	15.7	18.0
4	8.3	.3	-3.0	-4.1	-3.1	-1.0	.2	.5	8.9	15.6	15.4	17.3
5	9.2	1.2	-2.1	-3.7	-2.2	-.5	.2	1.5	9.8	16.2	15.3	17.0
6	9.2	.1	-2.4	-4.1	-2.2	-.2	.3	3.1	10.5	16.9	15.7	16.3
7	8.4	-1.4	-3.3	-4.2	-2.4	-.1	.3	4.4	11.2	16.8	15.9	15.5
8	6.1	.1	-3.7	-4.2	-3.0	-.2	.3	6.1	11.5	15.6	16.2	15.1
9	5.2	1.2	-3.5	-4.3	-3.3	-.2	.3	3.8	11.4	14.8	16.7	14.8
10	5.3	1.2	-2.5	-4.2	-3.1	-.4	.3	2.3	12.2	15.1	17.2	13.7
11	6.4	1.3	-2.2	-3.8	-3.1	-.3	.3	1.5	13.0	15.1	17.1	12.9
12	5.5	1.8	-2.0	-3.2	-2.3	-.4	.3	2.2	13.7	15.8	16.4	12.8
13	6.8	2.7	-2.1	-2.8	-1.9	-.3	.3	3.3	14.0	16.6	16.5	13.0
14	7.6	3.3	-2.9	-2.5	-1.5	-.5	.3	2.4	13.7	16.6	17.1	13.6
15	7.8	3.2	-3.8	-2.5	-1.3	-.5	.3	1.6	13.1	16.5	17.4	13.7
16	7.8	2.7	-3.7	-3.1	-.8	-.4	.3	2.2	13.6	16.2	17.9	13.3
17	6.6	3.2	-4.0	-3.4	-1.0	-.3	.3	3.4	14.0	16.3	18.0	13.3
18	6.8	2.4	-3.7	-3.0	-2.3	-.3	.3	2.5	14.0	16.3	18.1	14.0
19	5.7	2.0	-3.9	-2.9	-2.6	-.3	.4	3.4	13.7	16.3	18.0	14.5
20	3.1	1.7	-4.3	-3.4	-2.1	-.3	.4	4.2	13.2	16.0	18.4	14.4
21	2.0	.8	-4.9	-4.5	-1.9	-.3	.4	4.1	12.6	16.1	18.6	15.1
22	2.6	.5	-5.4	-5.0	-1.3	-.3	.4	3.8	12.5	15.6	19.0	15.1
23	2.9	.6	-5.7	-4.4	-1.2	-.3	.4	5.6	13.1	15.8	19.5	15.1
24	3.2	.5	-5.9	-4.8	-1.5	-.3	.4	7.3	13.1	16.7	19.9	15.1
25	3.9	.3	-5.4	-5.2	-2.0	-.2	.4	8.5	12.7	17.3	20.0	13.2
26	4.8	-.3	-5.2	-5.9	-2.3	-.2	.4	9.1	12.7	17.6	19.9	10.8
27	4.2	-1.4	-5.2	-5.5	-2.0	-.2	.4	8.6	11.5	17.6	19.2	10.3
28	5.2	-1.9	-4.7	-5.2	-1.1	-.2	.4	8.5	11.1	17.3	18.1	10.1
29	5.2	-2.2	-5.2	-5.9	---	-.2	.4	9.2	11.2	17.1	18.4	9.2
30	5.0	-1.6	-6.1	-5.4	---	-.2	.3	8.2	11.6	17.3	18.8	8.5
31	5.0	---	-5.5	-5.2	---	-.1	---	6.0	---	16.7	18.5	---
MEAN	6.0	1.0	-3.9	-4.3	-2.3	-.4	.3	4.1	11.8	16.1	17.6	14.1
MAX	9.2	3.6	-2.0	-2.5	-.8	-.1	.4	9.2	14.0	17.6	20.0	18.3
MIN	2.0	-2.2	-6.1	-5.9	-5.0	-1.1	.0	.4	5.9	12.8	15.3	8.5
MED	5.7	1.0	-3.7	-4.2	-2.2	-.3	.3	3.4	12.5	16.3	17.9	14.2
CAL YR 1990	MEAN 5.5	MAX 17.2	MIN -6.1	MED 4.6								
WTR YR 1991	MEAN 5.1	MAX 20.0	MIN -6.1	MED 2.2								

3 SPRINGS BASIN

KAWICH PEAK NEAR WARM SPRINGS, NV

DAILY TOTAL SOLAR RADIATION, INCIDENTAL, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
CALORIES PER SQUARE CENTIMETER

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	294	239	354	103	136	674	300	785	277	592
2	---	---	289	293	150	465	595	275	478	783	472	597
3	---	---	278	52	345	269	626	422	544	786	718	341
4	---	---	283	76	360	45	567	732	595	783	707	385
5	---	---	282	221	283	291	399	692	776	770	671	229
6	---	---	288	214	377	461	463	607	786	629	725	105
7	---	---	264	199	385	507	650	661	788	517	678	185
8	---	313	285	281	381	514	650	593	693	228	720	317
9	---	358	282	110	392	383	640	290	574	707	726	386
10	---	360	277	284	394	453	659	539	702	769	669	458
11	---	339	205	242	368	440	588	609	611	711	363	325
12	---	334	126	248	371	485	367	746	773	768	446	386
13	---	311	25	248	373	285	661	411	782	686	658	577
14	---	303	273	295	404	386	577	508	796	771	585	572
15	---	157	274	260	289	186	653	752	729	766	676	588
16	---	161	190	306	170	497	676	750	784	759	689	589
17	---	316	257	226	262	455	658	718	701	725	526	581
18	---	198	238	311	430	220	677	481	532	602	496	569
19	---	108	63	316	417	180	587	685	795	741	678	545
20	---	306	167	242	438	190	298	696	754	752	680	485
21	---	312	209	327	389	277	606	371	600	767	683	549
22	---	311	279	325	423	532	317	404	799	495	661	556
23	---	315	273	281	446	356	426	657	799	762	619	543
24	---	316	277	332	460	538	540	561	774	726	610	546
25	---	308	278	341	466	182	547	629	638	745	596	541
26	---	292	273	317	462	484	642	774	706	675	634	373
27	---	305	279	345	266	224	717	651	150	549	551	288
28	---	302	283	347	86	606	718	761	698	569	659	466
29	---	299	281	353	---	603	723	678	532	518	654	252
30	---	210	282	350	---	609	684	423	763	480	658	432
31	---	---	281	265	---	544	---	613	---	322	484	---
TOTAL	---	---	7635	8246	9941	11770	17047	18363	19952	20646	18969	13358

3 SPRINGS BASIN

KAWICH PEAK NEAR WARM SPRINGS, NV

DAILY MEAN RELATIVE HUMIDITY, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
PERCENT

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	83	30	22	21	98	75	45	91	28	79	44
2	36	66	26	22	22	97	56	90	68	21	65	33
3	32	27	33	68	40	97	32	69	43	18	47	40
4	30	35	30	98	45	100	26	39	36	15	22	37
5	35	53	32	59	48	75	28	34	34	15	19	50
6	42	70	22	37	65	60	26	36	28	27	21	91
7	60	42	21	59	39	60	22	40	19	43	19	93
8	28	68	20	61	33	29	33	36	19	81	18	66
9	20	41	20	91	32	30	25	81	23	75	15	54
10	18	18	20	67	36	44	52	71	21	44	27	62
11	22	19	34	63	29	75	64	56	20	25	74	71
12	19	19	75	60	29	45	82	47	24	23	65	57
13	19	20	96	76	57	68	54	51	25	21	59	41
14	20	27	62	60	60	91	40	88	18	18	55	30
15	21	33	49	68	51	93	45	53	19	20	44	19
16	26	33	80	64	82	89	30	34	18	17	43	18
17	25	56	69	80	70	72	41	42	17	24	27	18
18	85	56	57	66	53	57	37	80	17	25	27	19
19	85	69	86	64	51	84	29	71	22	26	23	21
20	32	75	81	50	21	94	33	56	17	24	19	29
21	23	54	76	46	20	94	55	75	18	20	18	25
22	32	37	37	30	22	93	75	75	18	23	18	21
23	34	19	33	29	31	84	61	47	18	17	28	18
24	30	19	34	29	27	60	58	43	22	18	32	18
25	25	22	39	25	21	88	70	40	31	20	40	18
26	20	63	52	26	25	78	66	21	42	18	49	44
27	19	26	23	25	47	94	40	32	49	18	30	71
28	19	28	25	26	98	50	33	24	55	21	18	77
29	22	23	39	29	---	48	32	24	58	20	16	74
30	32	31	23	21	---	51	26	69	45	28	19	60
31	33	---	22	21	---	35	---	80	---	66	57	---
MEAN	32	41	43	50	42	72	45	53	31	28	35	44
MAX	85	83	96	98	98	100	82	90	91	81	79	93
MIN	18	18	20	21	20	29	22	21	17	15	15	18
MED	28	34	34	59	38	75	40	47	22	21	27	40

WTR YR 1991 MEAN 43 MAX 100 MIN 15 MED 35

3 SPRINGS BASIN

KAWICH PEAK NEAR WARM SPRINGS, NV

DAILY TOTAL PRECIPITATION, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
INCHES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2	.00	.00	.00	.00	.00	.45	.00	.00	.00	.00	.00	.00
3	.00	.00	.00	.00	.00	.00	.00	.00	.35	.00	.00	.00
4	.00	.00	.00	.10	.75	.00	.00	.00	.13	.00	.00	.00
5	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00
6	.00	.00	.00	.35	.00	.00	.00	.00	.00	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00
8	.00	.00	.00	.00	.40	.00	.00	.00	.15	.00	.47	.00
9	.00	.00	.00	.00	.20	.00	.00	.00	.75	.00	.39	.00
10	.00	.00	.00	.00	.18	.00	.00	.05	.07	.00	.00	.00
11	.00	.00	.00	.00	.00	.00	.00	1.30	.17	.00	.21	.00
12	.00	.00	.00	.00	.07	.00	.00	.00	.00	.00	.00	.00
13	.00	.00	.00	.00	.00	.00	.00	1.00	.00	.00	.00	.00
14	.00	.78	.00	.00	.00	.00	.00	.10	.00	.00	.00	.00
15	.00	.00	.12	.00	.00	.00	.00	.10	.00	.00	.00	.00
16	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00
17	.00	.25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.10
18	.00	.00	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00
19	.00	.00	.09	.00	.00	.00	.00	.00	.00	.00	.00	.00
20	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
21	.00	.00	.98	.00	.00	.00	.00	.00	.00	.00	.00	.00
22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.00	.00
23	.00	.25	.15	.00	.00	.00	.00	.00	.00	.00	.00	.00
24	.00	.00	.12	.00	.00	.00	.07	.00	.00	.00	.00	.00
25	.00	.28	.44	.00	.00	.47	.00	.00	.35	.11	.00	.00
26	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00
27	.00	.00	.03	.00	.00	.00	.15	.00	.00	.00	.00	.00
28	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00
29	.00	.00	.00	.00	---	.00	.00	.00	.00	.00	.00	.00
30	.00	.00	.00	.00	---	.00	.00	.50	.00	.00	.00	.00
31	.00	---	.02	.00	---	.00	---	.00	---	.00	.00	---
TOTAL	0.00	1.56	2.07	0.50	1.60	0.95	0.22	3.05	2.00	0.17	1.07	0.10
WTR YR 1989	TOTAL 13.29											

3 SPRINGS BASIN

KAWICH PEAK NEAR WARM SPRINGS, NV

DAILY TOTAL PRECIPITATION, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
INCHES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.10	.50	.02	.00	.00	.00	.00	.00	.00
2	.00	.00	.00	.08	.00	.00	.00	.00	.00	.00	.00	.00
3	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
4	.00	.00	.00	.00	.20	.75	.10	.00	.00	.00	.00	.00
5	.00	.00	.00	.00	.00	.70	.05	.00	.00	.00	.00	.00
6	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00
7	.00	.00	.00	.00	.25	.00	.35	.00	.00	.00	.00	.00
8	.00	.00	.00	.00	.00	.00	.35	.00	.00	.00	.00	.00
9	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00
10	.00	.00	.00	.00	.00	.00	.00	.00	.58	.00	.03	.00
11	.00	.00	.00	.00	.00	.48	.00	.00	.05	.00	.19	.00
12	.00	.00	.00	.00	.00	.10	.00	.00	.00	.00	.00	.00
13	.00	.00	.00	.57	.07	.00	.00	.00	.00	.02	.00	.00
14	.00	.00	.00	.24	.00	.00	.00	.00	.00	.73	.00	.00
15	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.22	.00
16	.00	.00	.00	.38	.13	.00	.00	.00	.00	.42	.20	.00
17	.00	.00	.00	.65	.35	.00	.12	.00	.00	.00	.00	.00
18	.00	.00	.00	.06	.60	.00	.23	.00	.00	.00	.00	.00
19	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
20	.00	.00	.00	.00	.00	.00	.20	.00	.00	.00	.00	.00
21	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00
22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
23	.00	.00	.00	.00	.00	.00	.27	.00	.00	.00	.00	.00
24	.00	.00	.00	.00	.00	.00	.00	.18	.00	.00	.00	.00
25	.15	.13	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
26	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	.00	.00	.00	.00	.04	.00	.00	.27	.00	.00	.00	.00
28	.00	.00	.00	.00	.00	.05	.03	.20	.00	.00	.00	.00
29	.00	.00	.00	.00	---	.00	.00	1.45	.00	.00	.00	.00
30	.00	.00	.00	.00	---	.00	.00	.00	.00	.00	.00	.00
31	.00	---	.00	.00	---	.00	---	.00	---	.00	.00	---
TOTAL	0.15	0.16	0.00	2.08	2.19	2.10	1.75	2.10	0.63	1.17	0.65	0.00
CAL YR 1989	TOTAL 9.97											
WTR YR 1990	TOTAL 12.98											

3 SPRINGS BASIN

KAWICH PEAK NEAR WARM SPRINGS, NV

DAILY TOTAL PRECIPITATION, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
INCHES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.10	.00	.00	.00	.68	.15	.18	.00	.00	e.23	.00
2	.00	.00	.00	.00	.00	.00	.00	.15	.00	.00	e.19	e.03
3	.00	.00	.00	.40	.00	.05	.00	.00	.00	.00	e.21	e.21
4	.00	.00	.00	.05	.00	.07	.00	.00	.00	.00	.00	.00
5	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
6	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	e.25
7	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	e.34
8	.00	.00	.00	.00	.00	.00	.00	.00	.00	e.97	.00	e.02
9	.00	.00	.00	.00	.00	.00	.00	.60	.00	e.14	.00	e.03
10	.00	.00	.00	.00	.00	.35	.00	.00	.00	.00	.00	.00
11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	e.05	e.02
12	.00	.00	.00	.00	.00	.00	.07	.00	.00	.00	.00	e.02
13	.00	.00	.20	.00	.00	.70	.00	e.50	.00	.00	.00	e.01
14	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
15	.00	.00	.05	.05	.15	.65	.00	.00	.00	.00	.00	.00
16	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
17	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
18	.24	.00	.00	.00	.00	.00	.00	e.20	.00	.00	.00	.00
19	.15	.50	.12	.00	.00	.60	.00	.00	.00	.00	.00	.00
20	.00	.15	.03	.00	.00	.65	.00	e.70	.00	.00	.00	.00
21	.00	.00	.00	.00	.00	.17	.00	.00	.00	.00	.00	.00
22	.00	.00	.00	.00	.00	.23	.40	.00	.00	.00	.00	.00
23	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
24	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00
25	.00	.20	.00	.00	.00	.00	.17	.00	.00	.00	.00	.00
26	.00	.00	.00	.00	.00	.25	.00	.00	.00	.00	.00	.20
27	.00	.00	.00	.00	.42	.15	.00	.00	.00	.00	.00	.23
28	.00	.00	.00	.00	.99	.50	.00	.00	.00	.00	.00	.00
29	.00	.00	.00	.00	---	.00	.00	.00	.00	.00	.00	.17
30	.00	.00	.00	.00	---	.00	.00	.00	.00	e.01	.00	.00
31	.00	---	.00	.00	---	.00	---	e.25	---	e.64	e.67	---
TOTAL	0.39	0.95	0.40	0.50	1.56	5.07	0.84	2.58	0.00	1.76	1.35	1.53
CAL YR 1990	TOTAL 14.41											
WTR YR 1991	TOTAL 16.93											

e Estimated

3 SPRINGS BASIN

KAWICH PEAK NEAR WARM SPRINGS, NV

PRECIPITATION WATER QUALITY, WATER YEARS OCTOBER 1988 TO SEPTEMBER 1991

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (μS/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (μS/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	ALKA- LITY LAB (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)
FEB 1989									
23...	0915	12	13	6.6	6.6	3.0	0.90	0.10	1.0
APR									
12...	0800	29	30	6.3	7.1	8.0	1.6	0.05	4.4
MAY									
24...	0930	5	4	6.0	5.5	2.0	0.40	0.30	0.25
SEP									
12...	1345	16	16	6.0	6.8	--	1.3	0.18	0.60
NOV									
08...	1530	16	19	6.1	6.5	4.0	1.5	0.12	0.90
JAN 1990									
30...	1115	8	9	5.7	6.1	2.0	0.72	0.04	0.40
APR									
04...	0725	14	16	6.5	6.6	3.6	0.95	0.05	1.3
MAY									
22...	1515	8	9	5.8	5.7	<0.5	0.60	0.05	0.30
JUL									
10...	1920	5	7	5.7	6.4	1.3	0.47	0.05	0.30
SEP									
22...	1320	11	9	5.5	5.6	<0.5	0.88	0.09	0.20
JAN 1991									
30...	0830	14	11	6.1	5.8	0.9	0.59	0.13	0.50
JUN									
04...	1700	6	8	6.5	5.7	<0.5	0.61	0.06	0.60
SEP									
25...	1215	--	--	--	--	--	--	--	--

DATE	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	BROMIDE DIS- SOLVED (MG/L AS BR)	SILICA, DIS- SOLVED (MG/L AS SIO2)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)
FEB 1989								
23...	0.16	1.1	0.65	0.03	<0.010	0.05	0.240	<0.010
APR								
12...	0.38	3.2	1.7	0.05	<0.010	0.17	0.290	<0.010
MAY								
24...	0.08	0.50	0.18	<0.01	<0.010	0.07	0.140	<0.010
SEP								
12...	--	1.6	0.71	0.01	<0.010	0.56	<0.010	<0.010
NOV								
08...	--	1.6	0.57	0.04	<0.010	0.05	0.720	<0.010
JAN 1990								
30...	--	0.56	0.20	0.03	<0.010	0.04	0.380	<0.010
APR								
04...	--	1.7	0.46	0.03	<0.010	<0.01	0.460	<0.010
MAY								
22...	<0.10	0.86	0.17	0.02	<0.010	<0.10	0.610	<0.010
JUL								
10...	0.20	0.52	0.26	0.02	<0.010	<0.01	0.260	<0.010
SEP								
22...	0.10	0.79	0.18	0.02	<0.010	0.10	0.440	<0.010
JAN 1991								
30...	0.20	0.63	0.96	0.02	<0.010	<0.10	0.280	<0.010
JUN								
04...	<0.10	0.92	0.22	0.02	<0.010	<0.10	0.200	<0.010
SEP								
25...	--	--	--	--	--	--	--	--

3 SPRINGS BASIN

KAWICH PEAK NEAR WARM SPRINGS, NV

PRECIPITATION WATER QUALITY, WATER YEARS OCTOBER 1988 TO SEPTEMBER 1991

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	IRON, DIS- SOLVED (µG/L AS FE)	MANGA- NESE, DIS- SOLVED (µG/L AS MN)	STRON- TIUM, DIS- SOLVED (µG/L AS SR)	TRITIUM TOTAL (PCI/L)	TRITIUM 2 SIGMA WATER, WHOLE, TOTAL (PCI/L)	H-2 / H-1 STABLE ISOTOPE RATIO PER MIL	O-18 / O-16 STABLE ISOTOPE RATIO PER MIL
FEB 1989								
23...	1.6	3	1	10	--	--	-109.0	-15.05
APR								
12...	--	3	1	30	--	--	-133.5	-17.75
MAY								
24...	--	5	--	3	--	--	-135.0	-18.40
SEP								
12...	--	<3	20	--	--	--	-50.0	-7.25
NOV								
08...	--	<3	<1	--	--	--	-81.5	-12.05
JAN 1990								
30...	--	3	6	--	19	2.0	-93.0	-13.25
APR								
04...	--	2	5	--	--	--	-115.0	-16.10
MAY								
22...	--	5	<5	--	--	--	-83.5	-12.05
JUL								
10...	--	<2	<1	--	--	--	-139.0	-18.55
SEP								
22...	--	2	4	--	--	--	-91.0	-13.30
JAN 1991								
30...	--	<3	14	--	--	--	-95.0	-13.65
JUN								
04...	--	4	6	--	--	--	-125.0	-17.15
SEP								
25	--	--	--	--	--	--	--	--

3 SPRINGS BASIN

3 SPRINGS CREEK NEAR LEDGE SPRING, NEAR WARM SPRINGS, NV

LOCATION. -- Lat 37°57'42", long 116°26'23", Nye County, Hydrologic Unit 16060012, 1.1 mi upstream from the 3 Springs Creek surface-water equipment, 3.6 mi upstream from Eden Ranch in the Reveille Valley, 16.3 mi south of Warm Springs at the intersection of US Highway 6 and Nevada Highway 375.

DRAINAGE AREA. -- 0.78 mi².

PERIOD OF RECORD. -- September 1987 to current year.

SURFACE-WATER QUALITY, WATER YEARS OCTOBER 1986 TO SEPTEMBER 1991

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (μS/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (μS/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3	ALKA- LINITY LAB (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)
SEP 1987										
29...	1700	120	121	7.0	7.9	8.5	50	51	6.5	2.2
JUN 1988										
23...	1530	98	102	7.0	7.6	9.0	--	43	10	2.0
SEP										
23...	1330	111	119	6.8	6.9	8.0	47	48	11	2.4
JUN 1989										
22...	0930	94	90	7.3	8.1	--	--	42	9.1	1.9
SEP										
12...	1700	112	114	7.1	7.9	8.0	49	--	10	2.0
NOV										
08...	1330	106	113	7.0	7.1	4.0	50	49	10	2.2
MAY 1990										
22...	1200	99	102	6.9	8.1	8.0	42	42	8.9	1.8
SEP										
23...	1330	126	120	7.3	8.0	9.0	51	<0.5	11	2.2
JUN 1991										
05...	1400	94	95	6.6	7.4	7.0	35	35	8.4	1.7
SEP										
25...	0930	107	108	6.6	7.3	9.5	50	50	9.4	1.9

DATE	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	BROMIDE DIS- SOLVED (MG/L AS BR)	SILICA, DIS- SOLVED (MG/L AS SIO2)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)
SEP 1987										
29...	9.9	3.2	2.5	3.5	--	0.095	41	--	--	--
JUN 1988										
23...	8.2	2.8	3.9	2.7	--	--	40	--	--	--
SEP										
23...	9.5	3.0	2.9	3.7	--	0.040	41	--	--	--
JUN 1989										
22...	8.0	2.6	2.9	3.1	0.07	<0.010	43	--	<0.010	--
SEP										
12...	8.8	--	3.0	3.1	0.10	0.020	42	--	--	--
NOV										
08...	11	--	3.0	3.0	0.10	0.030	47	<0.010	--	<0.100
MAY 1990										
22...	8.0	2.5	3.9	3.9	0.10	0.030	43	--	--	<0.100
SEP										
23...	9.1	3.9	2.6	4.9	<0.10	0.020	43	--	--	--
JUN 1991										
05...	7.7	2.4	5.7	3.5	0.11	<0.010	7.9	--	0.020	--
SEP										
25...	8.4	2.8	3.1	3.5	<0.10	0.030	42	--	--	--

3 SPRINGS BASIN

3 SPRINGS CREEK NEAR LEDGE SPRING, NEAR WARM SPRINGS, NV

SURFACE-WATER QUALITY, WATER YEARS OCTOBER 1986 TO SEPTEMBER 1991

DATE	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	IRON, DIS- SOLVED (µG/L AS FE)	MANGA- NESE, DIS- SOLVED (µG/L AS MN)	STRON- TIUM, DIS- SOLVED (µG/L AS SR)	ALUM- INUM, DIS- SOLVED (µG/L AS AL)	TRITIUM TOTAL (PCI/L)	TRITIUM 2 SIGMA WATER, TOTAL (PCI/L)	H-2 / H-1 STABLE ISOTOPE RATIO PER MIL	O-18 / O-16 STABLE ISOTOPE RATIO PER MIL
SEP 1987									
29...	--	9	--	91	--	--	--	-103.5	-14.00
JUN 1988									
23...	--	<3	--	82	--	--	--	-104.5	-14.20
SEP									
23...	--	<3	--	98	<10	48	6.4	-103.5	-14.15
JUN 1989									
22...	<0.010	6	<1	70	--	--	--	-105.0	-14.15
SEP									
12...	--	4	<1	--	--	--	--	-106.0	-14.10
NOV									
08...	0.030	4	2	--	--	--	--	-104.5	-14.05
MAY 1990									
22...	--	46	<1	--	--	--	--	-103.0	-14.10
SEP									
23...	--	7	<1	--	--	--	--	-102.0	-14.00
JUN 1991									
05...	<0.010	10	7	--	--	--	--	-106.0	-14.30
SEP									
25...	--	9	<1	--	--	--	--	-104.0	-13.90

3 SPRINGS BASIN

3 SPRINGS CREEK NEAR 3 SPRING #2, NEAR WARM SPRINGS, NV

LOCATION. -- Lat 37°57'36", long 116°25'50", Nye County, Hydrologic Unit 16060012, 0.5 mi upstream from the 3 Springs Creek surface-water equipment, 0.7 mi above the confluence of 3 Springs Creek with Eden Creek, 3.2 mi upstream from Eden Ranch in the Reville Valley, 16.2 mi south of Warm Springs at the intersection of US Highway 6 and Nevada Highway 375.

DRAINAGE AREA. -- 1.19 mi².

PERIOD OF RECORD. -- July 1985 to current year.

SURFACE-WATER QUALITY, WATER YEARS OCTOBER 1984 TO SEPTEMBER 1991

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (μS/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (μS/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	ALKA- LITY WAT WH TOT FET FIELD MG/L AS CACO3	ALKA- LITY LAB (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)
JUL 1985											
10...	1520	--	95	--	7.1	--	37	35	9.2	1.7	8.2
SEP											
25...	1400	99	--	7.5	--	9.5	41	--	8.8	1.7	7.7
JUL 1986											
08...	1535	96	95	6.6	7.6	9.0	39	40	8.0	1.9	6.9
SEP											
30...	1730	105	100	7.4	7.5	6.5	43	41	7.9	1.9	8.0
DEC											
30...	1600	99	97	6.8	7.0	6.0	39	39	7.0	1.7	7.8
MAR 1987											
31...	1700	100	98	6.5	8.2	6.5	39	40	8.3	1.6	8.0
JUL											
01...	1545	88	96	6.6	7.7	8.5	39	40	8.2	1.5	8.6
SEP											
30...	1230	103	107	7.1	7.6	9.0	43	42	5.9	1.8	8.2
JAN 1988											
09...	1230	101	98	6.8	8.1	7.0	38	39	8.0	1.6	8.6
APR											
06...	1430	85	91	6.7	7.2	7.0	39	39	6.6	1.5	8.4
JUN											
25...	1315	85	91	7.0	7.5	8.0	36	36	6.5	1.5	8.2
SEP											
23...	1230	95	102	6.8	7.3	9.0	40	42	9.5	1.9	8.9
FEB 1989											
23...	1500	86	93	7.1	7.4	7.0	37	37	7.9	1.5	7.8
APR											
12...	1215	93	98	6.5	6.8	8.5	39	40	8.7	1.6	9.1
MAY											
24...	1415	97	98	7.0	8.1	8.0	--	41	8.4	1.6	9.4
JAN 1990											
30...	1510	86	95	7.2	7.4	4.0	38	38	8.3	1.5	8.5
APR											
04...	1051	90	96	7.1	7.3	8.0	38	--	8.2	1.6	8.8
MAY											
22...	1050	98	102	7.2	8.0	9.0	41	39	9.0	1.7	8.6
JAN 1991											
30...	1130	--	--	--	--	2.0	--	--	9.1	1.5	9.7
JUN											
05...	1500	97	100	6.8	7.2	8.0	40	37	9.1	1.7	8.8

3 SPRINGS BASIN

3 SPRINGS CREEK NEAR 3 SPRING #2, NEAR WARM SPRINGS, NV

SURFACE-WATER QUALITY, WATER YEARS OCTOBER 1984 TO SEPTEMBER 1991

DATE	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	BROMIDE DIS- SOLVED (MG/L AS BR)	SILICA, DIS- SOLVED (MG/L AS SI02)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	ARSENIC DIS- SOLVED (µG/L AS AS)	BARIUM DIS- SOLVED (µG/L AS BA)
JUL 1985											
10...	--	3.7	2.4	--	--	39	--	--	--	--	18
SEP											
25...	--	3.5	2.6	0.07	0.040	36	--	--	--	--	--
JUL 1986											
08...	2.0	4.0	2.8	0.06	0.025	36	--	--	--	--	--
SEP											
30...	2.1	3.4	3.8	--	--	--	--	--	--	--	--
DEC											
30...	1.9	3.5	2.7	0.05	--	38	--	--	--	--	--
MAR 1987											
31...	0.57	3.8	3.3	0.03	--	36	--	--	--	--	--
JUL											
01...	1.9	3.7	2.8	0.10	0.027	36	--	--	--	--	--
SEP											
30...	2.4	3.2	3.2	--	--	38	--	--	--	--	--
JAN 1988											
09...	1.8	4.4	2.9	--	0.032	39	--	--	--	<1	--
APR											
06...	1.7	4.2	2.6	--	0.025	37	--	--	--	--	--
JUN											
25...	1.8	4.1	2.6	--	--	36	--	--	--	--	--
SEP											
23...	2.1	3.9	2.0	--	0.030	38	--	--	--	--	--
FEB 1989											
23...	2.0	3.3	3.1	0.13	<0.010	35	0.010	--	<0.010	--	--
APR											
12...	1.2	3.6	3.4	0.11	<0.010	36	<0.010	--	<0.010	--	--
MAY											
24...	2.1	3.9	3.4	0.11	0.030	37	<0.010	--	<0.010	--	--
JAN 1990											
30...	--	3.3	4.3	0.13	<0.010	37	<0.010	--	0.020	--	--
APR											
04...	--	5.1	3.1	0.11	0.040	38	0.030	--	<0.010	--	--
MAY											
22...	1.9	4.2	4.1	0.20	0.030	25	--	<0.100	--	--	--
JAN 1991											
30...	1.9	5.1	3.7	<0.10	0.050	36	--	<0.100	--	--	--
JUN											
05...	1.8	5.8	3.8	0.12	0.040	38	<0.010	--	<0.010	--	--

3 SPRINGS BASIN

3 SPRINGS CREEK NEAR 3 SPRING #2, NEAR WARM SPRINGS, NV

SURFACE-WATER QUALITY, WATER YEARS OCTOBER 1984 TO SEPTEMBER 1991

DATE	IRON, DIS- SOLVED (µG/L AS FE)	MANGA- NESE, DIS- SOLVED (µG/L AS MN)	STRON- TIUM, DIS- SOLVED (µG/L AS SR)	ZINC, DIS- SOLVED (µG/L AS ZN)	ANTI- MONY, DIS- SOLVED (µG/L AS SB)	ALUM- INUM, DIS- SOLVED (µG/L AS AL)	SELE- NIUM, DIS- SOLVED (µG/L AS SE)	TRITIUM TOTAL (PCI/L)	TRITIUM 2 SIGMA WATER, WHOLE, TOTAL (PCI/L)	H-2/ H-1 STABLE ISOTOPE RATIO PER MIL	O-18/ O-16 STABLE ISOTOPE RATIO PER MIL
JUL 1985											
10...	4	1	75	33	--	--	--	--	--	-112.0	-13.89
SEP											
25...	20	23	77	--	--	--	--	--	--	-101.5	-13.85
JUL 1986											
08...	9	--	71	--	--	--	--	--	--	-100.5	-13.75
SEP											
30...	<10	--	170	--	--	--	--	--	--	-100.0	-10.25
DEC											
30...	7	--	73	--	--	--	--	--	--	-100.0	-13.80
MAR 1987											
31...	36	--	8	--	--	--	--	--	--	-102.0	-13.85
JUL											
01...	<3	--	72	--	--	--	--	53	6.4	-103.5	-13.95
SEP											
30...	5	--	77	--	--	--	--	--	--	-102.5	-13.95
JAN 1988											
09...	<3	--	81	--	<1	<10	<1	51	5.0	-103.5	-14.05
APR											
06...	<3	--	77	--	--	--	--	--	--	-104.0	-13.95
JUN											
25...	<3	--	67	--	--	--	--	--	--	-103.0	-14.05
SEP											
23...	5	--	79	--	--	<10	--	54	5.8	-102.0	-14.00
FEB 1989											
23...	5	<1	50	--	--	--	--	47	4.0	-103.5	-13.95
APR											
12...	<3	<1	60	--	--	--	--	--	--	-101.5	-14.00
MAY											
24...	<3	--	78	--	--	--	--	--	--	-106.0	-14.00
JAN 1990											
30...	<3	<1	--	--	--	--	--	44	4.0	-105.0	-13.90
APR											
04...	120	7	--	--	--	--	--	--	--	-103.0	-14.05
MAY											
22...	34	7	--	--	--	--	--	--	--	-102.0	-13.95
JAN 1991											
30...	76	4	--	--	--	--	--	--	--	-104.0	-14.00
JUN											
05...	8	2	--	--	--	--	--	41	3.0	-106.0	-14.30

3 SPRINGS BASIN

3 SPRINGS CREEK NEAR 3 SPRING #3, NEAR WARM SPRINGS, NV

LOCATION. -- Lat 37°57'33", long 116°25'40", Nye County, Hydrologic Unit 16060012, 0.3 mi upstream from the 3 Springs Creek surface-water equipment, 0.5 mi above the confluence of 3 Springs Creek with Eden Creek, 3.0 mi upstream from Eden Ranch in the Reville Valley, 16.2 mi south of Warm Springs at the intersection of US Highway 6 and Nevada Highway 375.

DRAINAGE AREA. -- 1.25 mi².

PERIOD OF RECORD. -- January 1985 to March 1986.

SURFACE-WATER QUALITY, WATER YEARS OCTOBER 1984 TO SEPTEMBER 1986

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (μS/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (μS/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	ALKA- LITY WAT WH TOT FET FIELD MG/L AS CACO3	ALKA- LITY LAB (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)
JAN 1985											
19...	1215	--	--	--	--	--	42	--	9.4	1.8	8.7
APR											
03...	1245	--	--	--	--	--	33	--	<5.0	1.4	5.5
JUL											
10...	1634	--	98	--	7.7	--	40	--	9.4	1.7	8.6
JAN 1986											
11...	1530	49	11	7.1	7.3	5.0	38	1.0	8.0	1.5	7.7
MAR											
20...	1400	85	84	8.1	8.0	7.0	30	31	6.7	1.4	7.0

DATE	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO RIDE, DIS- SOLVED (MG/L AS F)	BROMIDE DIS- SOLVED (MG/L AS BR)	SILICA, DIS- SOLVED (MG/L AS SI02)	BARIUM DIS- SOLVED (μG/L AS BA)	BERYL- LIUM, DIS- SOLVED (μG/L AS BE)	CADMIUM DIS- SOLVED (μG/L AS CD)	COBALT DIS- SOLVED (μG/L AS CO)	COPPER, DIS- SOLVED (μG/L AS CU)
JAN 1985											
19...	2.2	2.7	2.9	0.07	0.031	36	--	--	--	--	--
APR											
03...	2.2	4.3	2.9	0.09	--	37	--	--	--	--	--
JUL											
10...	--	3.6	2.5	0.07	--	40	18	--	--	--	--
JAN 1986											
11...	--	4.3	3.0	0.07	--	36	16	<0.5	<1.0	<3	<10
MAR											
20...	1.8	5.0	2.6	0.08	--	36	--	--	--	--	--

DATE	IRON, DIS- SOLVED (μG/L AS FE)	LEAD, DIS- SOLVED (μG/L AS PB)	MANGA- NESE, DIS- SOLVED (μG/L AS MN)	MOLYB- DENUM, DIS- SOLVED (μG/L AS MO)	STRON- TIUM, DIS- SOLVED (μG/L AS SR)	VANA- DIUM, DIS- SOLVED (μG/L AS V)	ZINC, DIS- SOLVED (μG/L AS ZN)	LITHIUM DIS- SOLVED (μG/L AS LI)	H-2 / H-1 STABLE ISOTOPE RATIO PER MIL	O-18 / O-16 STABLE ISOTOPE RATIO PER MIL
JAN 1985										
19...	--	--	--	--	--	--	--	--	-101.0	-13.40
APR										
03...	--	--	--	--	--	--	--	--	--	--
JUL										
10...	4	--	--	--	77	--	6	--	-97.0	-13.37
JAN 1986										
11...	<3	<10	1	<10	72	<6	<3	6	--	--
MAR										
20...	<10	--	--	--	160	--	--	--	-101.0	-13.60

3 SPRINGS BASIN

3 SPRINGS CREEK NEAR WARM SPRINGS, NV

LOCATION. -- Lat 37°57'38", long 116°25'20", Nye County, Hydrologic Unit 16060012, on the left bank 0.2 mi above the confluence of 3 Springs Creek with Eden Creek, 2.7 mi upstream from Eden Ranch in the Reveille Valley, 16.1 mi south of Warm Springs at the intersection of US Highway 6 and Nevada Highway 375.

DRAINAGE AREA. -- 1.62 mi².

PERIOD OF RECORD. -- October 1985 to current year.

GAGE. -- Two water-stage recorders on a 6 in Parshall flume and a standard 90 degree v-notch weir, and a crest stage gage. The flume is considered the primary gage. See remarks for more information.

REMARKS.-- The weather equipment is located 0.1 mi downstream from the surface-water equipment. The surface-water-quality samples are taken upstream from the Parshall flume. The unsaturated-zone water-quality samples are taken approximately 0.1 mi north and uphill from the meteorological site. Daily discharges for 1987 and 1988 are determined from data collected at the v-notch weir. During the 1987 water year, the discharge values are estimated because inadequate measurements were made to determine the stage-discharge relationship. Daily discharges for water year 1988 are considered fair because of an unstable stage-discharge relationship. The discharge data were lost from January 6, 1988 to April 6, 1988. This period was estimated from weather records and discharge measurements made on January 6, 1988 and April 6, 1988. Daily discharge values for water years 1989, 1990, and 1991 are determined from the 6 in Parshall flume. Accuracy of measurement by the flume diminishes below a discharge of 0.16 ft³/s. Any daily discharges below 0.16 ft³/s reported during the years 1989 and 1991 are considered fair to poor; discharges above 0.16 ft³/s are considered good to excellent. No flow was recorded or observed during the 1990 water year. The precipitation water-quality sample on July 10, 1985 was lost. During visits when the unsaturated-zone lysimeter was checked and found empty, the container was cleaned and replaced. Estimated periods of daily record are considered poor. Values for the daily maximum and minimum air temperature were obtained from the 40 minute average values.

PERIOD OF DAILY RECORD. --

AIR TEMPERATURE: October 1985 to current year.
SOIL TEMPERATURE: October 1985 to current year.
SOLAR RADIATION: October 1985 to current year.
RELATIVE HUMIDITY: October 1990 to current year.
TOTAL PRECIPITATION: October 1985 to current year.
DISCHARGE: October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD. --

AIR TEMPERATURE: Maximum daily, 32.2°C, July 7, 1989 and July 4, 1991; minimum daily, -28.8°C, Feb. 6, 1989. See remarks for more information.
SOIL TEMPERATURE: Maximum daily mean, 31.7°C, July 7, 1990; minimum daily mean, -7.4°C, Dec. 30, 1990.
SOLAR RADIATION: Maximum daily total, 827 cal/cm², June 18, 1989; minimum daily total, 9 cal/cm², Nov. 11, 1985 and Jan. 17, 1990.
RELATIVE HUMIDITY: Maximum daily mean, 99 pct, Jan 4, 1991, and Feb. 4, 1991; minimum daily mean, 12 pct, July 5, 1991.
TOTAL PRECIPITATION: Maximum daily, 1.50 in, Nov. 1, 1987; no precipitation, most days of record.
DISCHARGE: Maximum daily mean, 2.1 ft³/s, Apr. 29-30, 1988; no flow, most days of record.

3 SPRINGS BASIN

3 SPRINGS CREEK NEAR WARM SPRINGS, NV

DAILY MEAN AIR TEMPERATURE, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e10.4	1.3	.2	1.4	1.0	11.3	7.0	14.6	19.0	23.0	24.3	16.1
2	e9.5	4.3	.2	.1	2.4	4.5	-1.1	15.1	18.4	24.1	25.1	15.5
3	e12.2	7.6	-.4	.1	.5	5.9	1.8	12.6	19.4	23.4	25.3	15.8
4	e12.7	9.0	-1.3	.1	-2.3	5.5	5.1	2.3	19.8	22.8	23.3	17.9
5	e12.7	5.8	1.3	2.4	-3.2	6.0	5.7	4.6	18.3	16.5	23.4	19.9
6	e13.3	2.0	-1.5	.7	-7.5	7.2	1.9	.9	18.3	19.0	24.6	22.9
7	e9.5	6.6	.9	-4.3	-9.4	7.1	.3	2.0	17.2	18.7	24.5	21.0
8	e8.4	7.8	-5.9	-3.9	-8.9	4.2	2.4	3.2	13.0	19.6	24.0	17.9
9	e.5	-1.3	-8.6	.5	-10.4	.7	6.4	6.8	13.1	20.5	24.0	13.8
10	e3.7	-.5	-9.0	1.0	-4.6	-.3	6.7	10.5	13.8	19.7	19.6	8.9
11	6.8	-5.3	-15.8	.6	.1	.9	9.0	8.6	18.7	21.9	20.6	12.9
12	6.9	-8.9	-12.7	1.3	-.8	-.2	6.2	7.8	17.9	23.2	23.2	15.6
13	1.6	-10.8	-9.2	.0	2.0	-2.6	-.3	10.2	18.6	22.9	21.1	14.8
14	2.4	-9.5	-4.8	1.6	3.9	-2.4	3.4	11.1	21.2	22.9	22.2	13.3
15	4.0	-4.2	-4.3	1.6	1.4	-.5	8.0	11.1	18.7	16.0	23.8	10.8
16	5.8	-1.4	-4.8	2.2	2.4	-2.7	1.9	8.5	21.5	14.8	22.8	10.6
17	5.8	-4.4	-4.2	2.4	4.5	-2.9	.3	8.7	21.5	16.0	22.8	12.2
18	7.3	-9.1	-1.7	1.8	4.9	-1.5	1.2	14.4	20.0	18.4	21.0	10.2
19	10.2	-12.2	-.6	5.3	4.7	-.3	4.5	19.0	15.6	20.4	19.0	9.5
20	11.5	-2.1	-1.4	1.8	.4	3.2	9.3	17.5	17.5	20.0	17.7	5.4
21	4.3	-2.3	-2.0	-3.1	.8	6.4	13.1	11.7	18.6	17.0	17.2	6.9
22	-.7	1.8	-1.1	.7	3.1	8.9	14.7	5.5	20.5	13.7	18.7	8.6
23	7.6	2.0	-.7	1.6	5.6	9.4	10.0	12.1	20.6	13.8	20.6	7.2
24	8.4	2.0	-.8	-3.5	5.6	9.5	6.6	13.9	22.0	15.6	21.7	6.5
25	9.0	.7	-1.8	-2.0	6.9	5.0	6.6	18.0	20.5	16.9	17.8	2.5
26	5.5	-1.7	-1.8	-.8	6.3	6.7	-.1	22.0	22.5	16.1	18.0	4.8
27	8.9	3.0	-1.4	.7	6.1	8.8	7.2	22.0	24.1	19.7	15.1	5.7
28	9.0	3.4	-1.3	5.4	8.6	10.1	12.2	20.0	21.7	20.0	17.2	3.1
29	7.3	-.6	.7	7.6	---	9.5	9.5	18.0	18.9	18.1	20.7	4.5
30	9.8	-2.6	2.3	2.1	---	10.8	10.3	17.9	21.0	19.6	19.6	7.6
31	2.0	---	.5	2.4	---	7.6	---	19.0	---	22.5	16.9	---
MEAN	7.3	-.7	-2.9	.9	.9	4.4	5.7	11.9	19.1	19.3	21.2	11.4
MAX	13.3	9.0	2.3	7.6	8.6	11.3	14.7	22.0	24.1	24.1	25.3	22.9
MIN	-.7	-12.2	-15.8	-4.3	-10.4	-2.9	-1.1	.9	13.0	13.7	15.1	2.5
MED	7.6	-.6	-1.4	1.0	1.7	5.5	6.3	11.7	19.0	19.6	21.1	10.7

WTR YR 1986 MEAN 8.2 MAX 25.3 MIN -15.8 MED 7.0

e Estimated

3 SPRINGS BASIN

3 SPRINGS CREEK NEAR WARM SPRINGS, NV

DAILY MEAN AIR TEMPERATURE, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.0	2.7	-1.8	1.9	1.5	-1.5	6.1	8.4	12.5	e18.7	23.5	20.6
2	2.1	5.1	.2	-.7	4.7	1.3	8.5	4.6	13.0	e17.8	23.2	19.9
3	2.9	8.8	.3	3.6	.6	3.2	4.0	7.3	15.6	e17.8	22.0	17.9
4	3.9	4.9	3.3	-.4	-3.7	6.3	2.1	9.7	18.3	e17.8	24.1	16.4
5	7.0	7.4	4.4	-4.3	-2.3	5.8	4.0	11.7	15.3	e18.7	24.8	17.4
6	6.6	.4	.2	-7.6	.0	2.7	4.1	13.0	11.1	e17.8	23.3	13.4
7	8.6	-3.1	-1.8	-8.3	1.8	2.2	5.3	11.9	13.7	e19.5	21.4	14.6
8	9.1	-2.7	-3.6	-13.9	1.1	2.0	7.2	11.8	12.8	e19.5	18.1	18.5
9	9.1	-2.3	-7.7	-11.3	1.8	.9	6.9	12.6	13.2	21.7	20.6	18.1
10	10.3	-1.6	-7.5	-6.8	2.9	1.9	8.2	11.9	16.3	21.1	23.7	18.4
11	3.8	.3	-5.6	-4.1	2.9	4.4	9.0	12.5	17.0	18.1	22.3	17.4
12	2.6	1.1	-2.2	-5.2	4.2	6.9	1.7	12.9	20.3	19.7	17.9	16.1
13	3.9	4.3	-2.1	-5.4	3.3	2.6	6.6	14.1	18.8	20.2	19.8	11.6
14	5.4	7.2	-1.9	-9.3	-.9	1.2	10.9	14.3	19.9	21.7	16.4	16.2
15	7.7	6.4	-2.0	-13.1	1.0	-2.1	12.5	12.0	15.2	22.3	15.5	16.6
16	8.8	5.4	-2.5	-12.5	-2.4	-.5	14.2	9.6	14.4	17.1	17.5	13.6
17	7.7	7.6	-3.9	-8.9	-3.0	1.8	16.3	10.1	17.5	14.1	20.2	11.0
18	1.1	5.2	-1.1	-6.9	-4.8	2.5	7.7	11.3	16.2	10.4	21.4	15.3
19	.5	4.6	-.6	-7.9	-6.8	-4.8	-.6	10.0	16.7	14.1	22.8	14.8
20	1.8	4.6	-2.7	-10.6	-4.9	-4.2	3.1	8.1	19.5	13.2	21.9	14.0
21	2.8	4.5	-5.8	-5.5	-5.6	-3.9	7.1	3.8	20.1	13.4	21.0	14.1
22	4.5	-2.0	-4.7	2.3	-2.7	-3.7	11.3	6.3	13.4	15.4	20.6	14.8
23	6.9	-2.0	-3.1	-.8	-5.9	-3.1	14.0	9.4	16.9	17.8	19.5	14.6
24	7.3	3.0	-5.3	-1.4	-8.6	-.8	12.8	10.4	20.0	21.2	18.4	13.9
25	7.1	.7	-7.2	1.9	-9.6	-.2	13.3	4.6	21.6	22.0	16.4	16.5
26	9.7	-1.2	-4.7	9.1	-9.0	1.5	12.9	2.5	22.0	22.0	14.9	16.0
27	12.9	5.8	-2.8	7.5	-9.9	-2.8	11.7	7.0	21.2	19.5	17.1	e13.1
28	10.2	7.9	-4.0	-.1	-5.6	-2.6	12.5	7.4	19.3	20.3	20.8	e11.9
29	11.3	.9	-2.7	-2.0	---	-2.3	9.8	8.8	17.8	20.9	19.7	e13.1
30	10.4	-4.9	-5.0	-1.3	---	1.0	10.4	12.5	19.6	20.4	19.0	e14.2
31	3.3	---	-2.1	-2.2	---	4.9	---	16.1	---	22.8	19.9	---
MEAN	6.2	2.6	-2.8	-4.0	-2.1	.7	8.5	9.9	17.0	18.6	20.2	15.5
MAX	12.9	8.8	4.4	9.1	4.7	6.9	16.3	16.1	22.0	22.8	24.8	20.6
MIN	.5	-4.9	-7.7	-13.9	-9.9	-4.8	-.6	2.5	11.1	10.4	14.9	11.0
MED	6.9	3.7	-2.7	-4.3	-2.4	1.2	8.4	10.1	17.0	19.5	20.6	15.0
CAL YR 1986	MEAN 8.4	MAX 25.3	MIN -10.4	MED 6.9								
WTR YR 1987	MEAN 7.6	MAX 24.8	MIN -13.9	MED 7.3								

e Estimated

3 SPRINGS BASIN

3 SPRINGS CREEK NEAR WARM SPRINGS, NV

DAILY MEAN AIR TEMPERATURE, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.7	5.9	.8	-10.2	-6.6	.9	3.8	-1.8	13.6	22.9	22.2	18.7
2	14.5	4.4	1.0	-6.6	-5.8	.4	7.9	3.0	16.8	23.9	21.7	18.9
3	14.5	3.1	3.5	-3.0	-9.1	2.0	10.5	7.4	21.3	23.6	18.9	18.6
4	14.8	6.0	6.0	-1.2	-7.1	2.3	8.3	8.1	19.9	21.0	19.0	19.4
5	13.2	2.8	-.2	-2.1	-5.8	3.8	7.0	3.4	11.6	20.0	17.1	19.9
6	15.1	2.4	1.1	-5.6	-3.9	5.9	13.8	-1.1	8.0	20.4	15.1	22.0
7	17.0	3.6	-.8	-4.7	-1.5	-1.4	13.7	.6	7.3	20.6	14.5	22.2
8	14.0	2.5	-2.4	-3.4	2.7	1.8	.8	4.6	9.4	23.7	15.5	22.0
9	15.2	2.6	4.9	1.5	3.0	2.0	2.6	9.4	15.1	22.2	16.9	18.4
10	12.1	1.7	7.4	4.7	.5	-5.6	7.7	10.7	16.8	22.3	20.0	16.2
11	11.9	2.4	-1.1	-2.5	-1.1	-6.7	11.5	13.2	15.8	21.8	18.1	8.5
12	9.5	3.8	-9.4	-10.3	1.8	-6.3	12.5	16.8	12.7	21.7	16.9	5.2
13	7.4	4.5	-9.9	-3.2	2.2	-3.7	9.3	13.7	13.7	22.6	18.5	8.4
14	6.2	.0	-11.6	1.4	-3.2	.8	3.3	13.0	16.6	23.7	19.6	10.6
15	7.8	-2.9	-9.4	.1	3.5	-.6	1.3	17.8	18.8	24.0	16.8	14.8
16	7.2	3.3	-5.8	-4.9	-3.1	-.8	4.2	17.1	20.5	22.9	17.1	18.1
17	8.8	2.9	-4.1	-5.5	-3.2	-.4	5.7	9.6	15.0	22.1	19.0	13.9
18	7.8	-1.2	-4.7	-11.3	-3.2	2.0	5.0	8.4	16.7	22.6	20.8	5.9
19	5.8	-.9	-5.5	-15.9	-3.9	6.6	5.9	9.2	16.1	20.2	20.5	12.4
20	6.7	4.1	-8.4	-9.4	-1.1	8.4	1.1	10.5	17.0	21.4	19.1	9.6
21	9.9	-.2	2.6	-5.9	-.8	9.3	.0	13.6	17.3	25.5	18.5	5.2
22	9.2	-1.8	.4	-7.9	1.0	6.0	.9	18.2	15.1	22.8	17.3	8.0
23	7.3	-2.9	-10.8	-.1	.7	10.7	-.2	17.4	18.0	21.0	20.8	11.6
24	5.1	-.9	-12.5	-5.5	3.1	4.1	4.5	18.6	19.7	19.8	18.5	14.9
25	4.8	-3.6	-11.7	-2.8	2.6	7.1	5.4	18.8	18.8	20.2	19.1	15.3
26	6.1	-4.6	-7.3	-.5	3.0	8.6	7.2	17.1	17.8	21.0	18.3	15.6
27	9.3	-5.0	-7.6	2.4	2.8	5.7	11.9	14.4	23.1	20.1	18.6	12.4
28	9.5	-4.7	-4.7	4.8	4.8	-4.5	11.5	14.1	23.3	19.1	19.9	9.2
29	6.4	-4.8	-4.8	3.1	3.4	2.1	11.9	1.3	20.6	21.2	20.0	11.6
30	6.0	-2.8	-8.8	-1.4	---	-2.0	4.3	1.5	19.3	20.5	19.1	13.4
31	4.0	---	-13.5	-2.9	---	-.5	---	8.6	---	20.7	18.9	---
MEAN	9.7	.7	-4.1	-3.5	-.8	1.9	6.4	10.2	16.5	21.8	18.6	14.0
MAX	17.0	6.0	7.4	4.8	4.8	10.7	13.8	18.8	23.3	25.5	22.2	22.2
MIN	4.0	-5.0	-13.5	-15.9	-9.1	-6.7	-.2	-1.8	7.3	19.1	14.5	5.2
MED	9.2	2.0	-4.7	-3.0	-.8	2.0	5.8	10.5	16.8	21.7	18.9	14.3
CAL YR 1987	MEAN 7.6	MAX 24.8	MIN -13.9	MED 7.5								
WTR YR 1988	MEAN 7.6	MAX 25.5	MIN -15.9	MED 7.1								

3 SPRINGS BASIN

3 SPRINGS CREEK NEAR WARM SPRINGS, NV

DAILY MEAN AIR TEMPERATURE, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15.1	12.9	-1.4	-10.3	2.1	4.2	6.4	12.8	9.8	19.4	21.9	18.5
2	18.3	10.3	-1.6	-7.9	-1.1	2.5	9.0	11.0	11.8	21.9	20.9	20.2
3	16.9	13.8	-1.9	-3.4	-2.7	-6.9	8.8	13.2	10.8	23.5	21.0	18.2
4	16.7	10.6	-2.5	-.6	-10.5	-5.1	7.4	12.4	9.8	23.3	21.1	17.6
5	15.6	9.3	-1.9	-3.9	-18.5	3.8	9.3	16.0	9.7	21.9	22.2	20.2
6	8.7	9.1	.9	-10.6	-21.5	7.7	12.0	16.9	12.0	21.8	22.0	18.0
7	8.6	4.9	-1.9	-12.3	-18.7	9.0	13.6	17.5	12.9	22.6	19.6	13.7
8	10.0	4.4	-2.3	-9.5	-12.2	10.2	12.0	17.1	12.9	23.5	17.0	12.0
9	10.0	2.6	-3.0	1.6	-4.0	11.3	11.2	12.6	12.2	22.2	15.6	13.5
10	9.3	4.3	-1.8	1.3	-2.6	11.3	13.4	7.3	12.5	19.7	16.6	13.2
11	9.9	.8	-2.1	-10.4	-6.7	11.0	7.7	1.0	14.7	19.5	17.0	12.8
12	10.2	6.0	1.0	-11.5	-8.6	10.7	5.8	3.6	13.9	18.5	20.1	9.7
13	13.2	6.4	2.7	-9.8	-11.5	4.7	8.0	.8	18.0	17.9	21.8	10.8
14	9.0	-2.1	1.7	-10.3	-11.9	1.6	13.1	2.1	20.5	21.6	21.8	13.3
15	8.0	-4.5	-7.7	-10.3	-8.2	3.9	13.9	5.3	23.7	23.1	22.7	16.2
16	9.9	-2.4	-6.4	-6.7	-4.6	4.7	12.7	8.3	18.0	20.9	22.3	14.4
17	11.4	-2.8	-1.3	-4.2	-1.0	2.0	15.4	12.5	18.1	21.5	20.1	12.3
18	13.1	-6.5	-2.5	-3.5	3.2	5.1	15.2	14.5	21.6	23.5	19.1	8.2
19	11.9	-6.5	-4.2	-2.5	2.4	4.9	17.7	7.2	23.7	24.4	18.8	6.1
20	8.6	-4.8	-2.9	-2.1	-3.4	-.5	17.2	13.6	18.9	25.9	17.8	9.2
21	11.4	.9	-4.5	-1.2	-1.6	5.1	14.7	15.1	11.0	19.9	15.9	10.1
22	11.3	5.6	-6.3	2.0	5.0	7.2	9.4	17.0	14.4	21.2	19.4	10.5
23	10.0	3.0	-8.9	-1.2	9.2	7.3	5.9	12.7	14.7	20.1	16.1	14.3
24	9.4	-5.7	-4.4	-10.3	9.9	8.0	-.3	8.3	11.0	18.8	10.2	15.5
25	8.5	-3.1	-9.6	-11.6	9.2	2.2	-.1	7.1	11.7	20.4	12.9	16.2
26	10.5	-4.9	-16.6	-8.9	6.7	-.2	1.5	10.4	16.2	23.7	17.7	17.6
27	11.1	-5.1	-15.6	-6.6	1.7	5.2	-.2	15.6	16.6	23.4	19.3	17.4
28	12.5	1.1	-15.1	-4.9	.3	9.9	2.0	12.1	16.3	22.9	18.2	16.1
29	11.1	-5.0	-14.8	.0	---	5.5	5.3	4.9	18.5	23.6	20.7	16.7
30	6.9	-2.9	-3.5	1.0	---	6.2	10.8	3.2	19.0	24.1	18.2	11.7
31	9.8	---	-5.9	2.7	---	10.0	---	7.4	---	23.4	15.8	---
MEAN	11.2	1.7	-4.7	-5.4	-3.6	5.2	9.3	10.3	15.2	21.9	18.8	14.1
MAX	18.3	13.8	2.7	2.7	9.9	11.3	17.7	17.5	23.7	25.9	22.7	20.2
MIN	6.9	-6.5	-16.6	-12.3	-21.5	-6.9	-.3	.8	9.7	17.9	10.2	6.1
MED	10.2	1.0	-2.9	-4.9	-2.7	5.1	9.3	12.1	14.5	21.9	19.3	14.0
CAL YR 1988	MEAN 7.8	MAX 25.5	MIN -16.6	MED 8.4								
WTR YR 1989	MEAN 7.9	MAX 25.9	MIN -21.5	MED 9.8								

3 SPRINGS BASIN

3 SPRINGS CREEK NEAR WARM SPRINGS, NV

DAILY MEAN AIR TEMPERATURE, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.2	-3.2	-4.2	1.1	-6.4	6.2	6.3	5.3	6.3	25.4	21.2	20.4
2	10.1	-1.9	-4.5	-5.4	-9.2	5.8	7.5	7.7	13.7	21.7	19.4	20.3
3	3.9	1.6	-2.4	-12.0	-6.2	5.4	5.7	9.3	19.8	18.4	22.9	19.9
4	3.5	5.3	.5	-8.1	-4.3	2.9	5.8	11.5	18.8	20.7	23.2	18.4
5	5.3	5.6	6.3	-6.3	-8.5	-1.7	7.1	12.8	16.1	22.2	22.3	18.4
6	10.0	2.6	.1	-4.2	-2.8	-2.4	6.0	17.6	15.2	22.1	22.1	18.3
7	6.5	-.4	-1.7	3.2	-8.6	.8	6.2	15.1	16.6	21.5	22.7	18.8
8	8.0	-.8	2.5	6.9	-11.3	5.3	1.6	9.5	18.9	19.5	23.4	20.0
9	9.7	2.9	3.9	6.9	-4.6	6.0	5.2	8.7	17.7	20.3	20.9	21.8
10	13.8	4.5	-5.9	4.3	-.4	5.3	7.0	10.6	12.3	17.5	20.0	21.4
11	15.3	8.9	-9.7	4.4	1.4	-6.2	10.7	9.0	12.8	20.4	18.8	21.5
12	15.5	10.9	-6.8	5.4	4.9	-9.4	9.3	10.0	13.7	23.8	18.1	22.3
13	15.4	7.6	-5.0	1.4	-5.0	-9.3	10.5	11.1	12.1	22.1	18.0	21.9
14	11.8	4.1	-5.0	-1.7	-14.4	-2.4	16.3	11.9	11.0	18.9	20.4	21.4
15	7.0	-1.1	-.4	-5.4	-12.0	-1.1	14.2	6.6	8.6	17.7	14.8	19.5
16	4.9	1.5	-4.7	-3.8	-6.3	.4	8.8	9.2	11.9	17.3	17.4	16.0
17	5.5	1.1	-.4	-5.0	-3.3	3.7	4.4	13.3	16.2	18.6	18.7	13.9
18	6.5	.4	-2.4	-7.3	-6.3	3.8	5.2	11.7	15.9	19.5	16.1	12.5
19	9.9	3.0	-5.8	-10.5	-7.1	8.3	8.6	8.6	13.8	20.0	11.0	9.6
20	11.9	5.6	-4.6	-11.1	-5.5	10.7	8.3	10.4	16.9	21.0	10.7	11.4
21	8.0	4.2	-4.1	-7.1	-2.9	9.4	6.8	15.4	20.7	21.4	14.2	10.2
22	7.7	3.8	-3.5	-5.4	-1.0	7.9	7.9	14.8	23.5	22.2	14.6	11.4
23	8.7	5.6	-1.2	1.1	1.1	7.0	5.6	13.0	23.0	23.1	16.9	9.5
24	7.9	5.7	-1.5	-6.0	3.0	5.9	4.2	3.9	22.8	21.1	17.9	10.2
25	.9	1.5	-2.0	-2.7	2.9	8.5	7.8	9.1	22.2	18.4	15.2	12.3
26	-.6	-2.4	-.8	-1.3	3.5	10.5	10.9	12.3	22.9	17.4	15.2	13.8
27	2.2	-8.4	1.3	-7.7	1.8	4.7	12.3	11.3	19.9	19.6	18.0	11.1
28	-2.9	-8.5	-.6	-2.8	3.2	.5	11.7	4.2	21.5	23.1	17.8	8.8
29	-4.3	-5.0	-3.2	1.3	---	1.5	2.2	9.4	24.3	23.6	21.5	10.9
30	-3.1	-4.3	-5.0	.4	---	2.4	2.2	9.6	24.3	23.9	21.5	11.0
31	-1.4	---	-1.4	-5.3	---	4.0	---	8.5	---	23.5	18.2	---
MEAN	6.7	1.7	-2.3	-2.7	-3.7	3.0	7.5	10.4	17.1	20.8	18.5	15.9
MAX	15.5	10.9	6.3	6.9	4.9	10.7	16.3	17.6	24.3	25.4	23.4	22.3
MIN	-4.3	-8.5	-9.7	-12.0	-14.4	-9.4	1.6	3.9	6.3	17.3	10.7	8.8
MED	7.7	2.1	-2.4	-3.8	-4.5	4.0	7.1	10.0	16.7	21.0	18.2	17.1
CAL YR 1989	MEAN 7.7	MAX 25.9	MIN -21.5	MED 8.3								
WTR YR 1990	MEAN 7.8	MAX 25.4	MIN -14.4	MED 7.8								

3 SPRINGS BASIN

3 SPRINGS CREEK NEAR WARM SPRINGS, NV

DAILY MEAN AIR TEMPERATURE, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.2	.5	-1.2	-4.3	-1.2	.0	2.3	5.6	8.5	17.5	e16.1	e21.4
2	14.3	-3.7	-2.2	-4.4	.9	1.3	4.5	.9	12.6	20.3	e18.5	e20.4
3	9.2	-2.3	-4.2	-3.0	.6	4.6	4.6	2.2	17.1	22.0	e18.8	e19.0
4	14.2	3.5	-.8	-2.2	2.6	5.0	10.0	5.4	17.8	23.7	e19.3	e18.5
5	16.6	4.7	.9	-5.0	4.1	.7	13.2	10.3	14.8	25.6	e18.3	e16.8
6	12.8	-3.5	-4.9	-6.1	-.2	-4.2	12.5	12.1	16.4	24.5	e17.7	e15.3
7	4.9	-2.6	-3.6	-4.2	.4	-4.8	5.2	12.6	17.0	22.4	e20.7	e13.3
8	1.5	5.9	-2.2	-5.9	1.0	-1.9	.7	15.1	15.5	16.5	e20.0	e15.4
9	5.2	2.9	-.4	-5.0	2.2	1.0	6.5	-.4	16.0	17.2	e22.1	e12.0
10	8.6	3.5	6.3	-5.0	1.2	3.4	-1.3	-.3	18.6	19.2	e21.7	e6.7
11	7.0	6.1	5.2	-2.0	3.3	-3.4	-3.6	2.4	20.3	21.3	e14.2	e7.7
12	8.9	6.3	1.1	.0	4.8	-1.5	-1.2	7.7	21.8	22.5	e19.7	e10.1
13	13.1	9.9	-2.2	.9	4.2	-.6	.9	9.4	19.4	24.6	e22.1	e12.6
14	11.9	10.8	-9.6	.5	2.8	-.9	6.0	4.0	15.8	23.3	e20.5	e13.7
15	15.0	5.9	-6.7	2.0	6.1	-3.7	6.5	6.5	15.9	22.2	e19.7	e11.0
16	12.5	5.1	-8.6	-3.5	4.4	-2.8	3.5	11.8	19.9	21.3	e19.0	e13.6
17	7.9	6.7	-8.4	-1.7	-.6	.6	2.2	6.7	18.7	22.2	e21.3	e16.3
18	10.9	4.8	.6	-2.4	-3.1	2.7	3.6	2.9	20.5	22.3	e21.7	e18.2
19	3.0	3.8	-6.8	-2.4	.5	-.9	8.2	4.5	16.0	20.0	e21.1	e16.9
20	-1.4	-3.0	-15.7	-6.3	2.5	-4.0	7.1	7.0	15.2	18.3	e21.2	e17.7
21	2.1	-3.8	-21.0	-9.6	5.7	-2.4	4.1	5.8	14.9	20.3	e22.4	e18.3
22	6.2	-1.3	-21.6	-7.8	7.7	-1.6	2.0	7.0	16.4	19.7	e23.2	e14.9
23	6.7	2.4	-19.5	-5.8	3.2	1.0	5.2	11.5	17.7	22.7	e22.8	e15.1
24	8.0	3.5	-14.2	-2.1	-.5	2.8	8.5	15.1	15.1	22.9	e22.2	e14.9
25	10.3	7.7	-9.5	-5.6	-.5	-1.6	2.0	14.4	13.8	23.2	e24.0	e16.3
26	9.9	-5.5	-8.9	-5.1	2.3	-2.5	2.9	14.3	14.2	23.3	e21.2	14.9
27	11.8	-9.4	-5.9	-4.0	3.4	-2.8	2.6	9.5	11.4	24.5	e20.2	13.6
28	15.0	-7.3	1.3	-.4	-.1	-.2	2.0	11.0	13.4	22.7	e12.9	12.2
29	13.3	-2.6	-10.8	-9.8	---	1.8	5.5	13.0	11.8	22.9	e18.1	10.2
30	12.4	-1.0	-13.0	-5.5	---	2.0	5.9	7.1	13.9	22.9	e21.0	11.9
31	9.6	---	-6.9	-2.4	---	3.6	---	6.3	---	e20.1	e18.2	---
MEAN	9.5	1.6	-6.2	-3.8	2.1	-.3	4.4	7.8	16.0	21.7	20.0	14.6
MAX	16.6	10.8	6.3	2.0	7.7	5.0	13.2	15.1	21.8	25.6	24.0	21.4
MIN	-1.4	-9.4	-21.6	-9.8	-3.1	-4.8	-3.6	-.4	8.5	16.5	12.9	6.7
MED	9.9	3.2	-5.9	-4.2	2.2	-.6	4.3	7.0	15.9	22.3	20.5	14.9
CAL YR 1990	MEAN 7.7	MAX 25.4	MIN -21.6	MED 8.5								
WTR YR 1991	MEAN 7.3	MAX 25.6	MIN -21.6	MED 6.1								

e Estimated

3 SPRINGS BASIN

3 SPRINGS CREEK NEAR WARM SPRINGS, NV

DAILY MAXIMUM AIR TEMPERATURE, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	11.2	4.3	8.2	6.3	16.6	12.5	18.5	26.9	27.7	29.2	23.7
2	---	15.4	.9	7.5	5.2	9.4	3.1	19.2	24.7	29.2	29.4	24.1
3	---	18.0	6.0	8.4	4.8	13.4	9.2	16.8	26.4	28.6	29.9	25.4
4	---	14.1	7.4	2.4	1.0	16.7	10.5	7.6	25.5	27.2	29.8	26.7
5	---	11.9	5.7	6.1	3.1	14.7	10.4	11.2	21.8	22.6	28.1	28.0
6	---	12.1	7.8	5.2	-3.7	14.2	6.6	5.8	22.5	23.0	28.8	26.9
7	---	15.5	8.8	2.3	-2.7	13.0	4.1	8.1	21.0	22.3	28.5	25.0
8	---	11.4	-1.1	6.8	-4.2	7.5	7.0	8.7	19.3	23.7	29.3	21.6
9	---	3.4	-3.5	12.0	-3.6	4.5	12.7	14.1	21.0	25.5	29.4	18.2
10	---	3.8	-6.7	12.5	3.1	1.1	12.5	14.8	22.2	26.5	25.5	16.6
11	13.8	-1.1	-6.7	11.5	5.2	4.9	14.3	14.8	25.1	29.1	26.5	20.1
12	11.4	-5.4	-1.9	11.7	.9	2.6	11.8	15.5	24.0	28.9	27.0	19.8
13	7.0	-3.9	.3	10.1	4.9	1.2	5.5	18.3	25.7	27.2	27.6	18.5
14	10.6	1.6	6.0	8.8	6.1	3.2	9.9	16.8	25.3	26.9	28.2	17.7
15	14.7	7.4	5.7	4.2	2.5	3.8	12.2	16.7	25.8	20.6	27.7	14.7
16	17.4	6.7	4.5	7.8	5.1	.4	4.6	15.7	25.6	19.9	27.2	16.1
17	17.2	1.3	7.0	10.0	6.6	1.9	4.6	18.3	25.7	22.4	27.8	16.7
18	17.5	-4.2	9.5	12.2	7.0	4.7	7.8	22.6	24.5	23.3	24.4	14.3
19	17.0	-4.4	11.3	11.5	8.5	8.3	13.6	22.8	23.3	26.7	25.2	13.2
20	15.2	6.1	11.3	6.6	5.3	12.3	18.3	20.8	24.4	27.3	24.2	12.7
21	10.5	3.4	10.5	3.0	7.6	13.7	20.1	17.2	25.7	23.2	25.8	14.2
22	7.7	7.8	12.2	7.0	10.1	14.9	18.6	15.6	27.2	17.2	26.1	15.6
23	16.0	5.5	11.9	7.7	12.7	14.5	14.1	19.6	27.8	18.3	27.0	11.5
24	17.4	4.3	9.3	5.6	16.3	13.7	11.7	22.9	27.2	21.4	25.0	9.1
25	17.5	4.9	9.3	8.1	18.4	13.0	12.9	25.5	28.2	22.9	23.9	6.9
26	17.2	7.7	9.8	10.4	16.8	16.2	5.1	25.8	29.5	22.4	25.4	10.6
27	18.0	7.2	10.6	12.7	16.1	17.6	16.5	26.4	28.6	24.1	18.4	9.8
28	16.1	5.1	11.4	14.3	17.2	17.0	18.7	25.3	26.5	24.8	23.6	9.5
29	16.6	2.1	5.3	10.8	---	14.8	15.9	25.5	25.5	25.5	25.0	12.7
30	15.1	2.4	5.7	3.3	---	16.2	17.7	25.5	26.1	27.5	24.0	13.8
31	10.8	---	6.1	4.1	---	12.7	---	26.7	---	28.8	23.9	---
MAX	---	18.0	12.2	14.3	18.4	17.6	20.1	26.7	29.5	29.2	29.9	28.0

3 SPRINGS BASIN

3 SPRINGS CREEK NEAR WARM SPRINGS, NV

DAILY MAXIMUM AIR TEMPERATURE, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.1	6.5	10.5	6.9	11.9	6.7	15.3	12.7	22.2	---	27.9	26.5
2	3.6	9.9	11.7	4.1	7.6	8.7	15.9	12.1	22.3	---	28.6	24.0
3	9.7	13.6	11.5	5.8	3.5	11.2	8.7	14.7	24.2	---	29.3	23.1
4	12.0	13.1	8.7	2.5	5.0	12.4	5.2	18.6	24.1	---	28.0	21.3
5	14.7	16.6	6.1	-1.5	7.7	8.5	10.0	20.3	21.8	---	29.8	22.1
6	15.9	8.4	2.7	-3.9	8.5	4.3	11.5	21.2	15.1	---	27.3	21.0
7	16.7	1.4	1.4	-5.1	8.0	5.5	13.3	19.6	19.5	---	27.8	22.3
8	17.6	3.4	6.1	-5.5	8.2	7.9	14.9	19.1	18.7	26.8	26.1	23.8
9	17.3	7.2	-1.0	-1.8	5.9	5.9	15.5	18.9	20.8	25.6	27.5	24.5
10	18.3	6.4	2.4	5.9	6.1	7.1	15.8	19.8	23.0	25.1	27.9	24.2
11	7.6	10.4	4.6	8.9	6.4	10.0	12.9	19.6	23.3	25.4	27.5	24.2
12	10.0	10.5	7.5	5.9	7.3	12.5	9.7	20.7	25.7	27.2	26.3	21.8
13	14.4	11.8	6.1	.2	6.0	5.9	15.6	21.6	26.2	27.7	24.0	16.9
14	16.5	10.4	7.0	1.5	3.7	6.9	16.7	22.1	25.6	29.3	20.6	21.6
15	17.1	11.1	4.1	-9.4	5.0	-.2	20.3	16.9	19.3	27.7	22.0	22.2
16	15.8	10.7	3.5	-9.1	1.9	3.1	22.0	12.6	21.0	22.0	25.0	21.2
17	11.9	13.9	4.5	-2.9	1.9	8.6	20.0	16.3	22.0	18.3	27.0	21.2
18	3.2	7.4	3.7	1.8	-.9	7.7	15.5	17.1	22.3	15.5	28.0	22.5
19	2.8	10.3	1.7	-3.8	-2.5	-2.7	5.9	16.0	24.1	17.8	26.8	23.7
20	8.0	12.7	1.1	-4.5	.6	.3	12.2	12.7	24.4	17.4	25.7	23.7
21	10.9	8.7	1.7	5.9	2.8	-.8	16.8	10.7	24.4	17.4	24.8	23.5
22	12.7	4.2	2.5	6.9	3.7	1.3	19.6	13.5	21.6	21.2	25.2	22.9
23	12.7	4.2	2.3	3.5	-2.9	.6	18.3	16.2	25.2	24.0	24.4	21.3
24	15.2	12.2	3.2	5.7	-5.1	3.7	19.1	15.4	27.2	26.3	23.2	22.2
25	16.0	6.7	-.7	9.9	-6.4	4.5	20.2	8.0	28.0	26.6	23.5	22.8
26	16.8	9.3	2.8	12.6	-2.2	9.4	19.7	4.1	27.2	26.7	24.3	22.5
27	17.2	11.3	2.9	10.2	-.5	1.1	19.1	12.3	27.5	23.9	24.2	---
28	16.2	11.6	3.4	4.3	3.4	4.8	18.3	13.6	26.8	25.7	24.4	---
29	16.3	5.6	5.5	3.4	---	4.9	14.0	15.0	23.5	25.3	25.1	---
30	15.1	4.6	5.3	2.7	---	11.5	14.0	18.2	26.6	26.0	26.0	---
31	7.0	---	6.4	5.1	---	13.7	---	22.1	---	27.1	27.5	---
MAX	18.3	16.6	11.7	12.6	11.9	13.7	22.0	22.1	28.0	---	29.8	---
CAL YR 1986	MAX 29.9											

3 SPRINGS BASIN

3 SPRINGS CREEK NEAR WARM SPRINGS, NV

DAILY MAXIMUM AIR TEMPERATURE, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23.1	8.5	6.3	-3.5	-2.8	5.6	12.9	2.7	18.6	27.6	28.1	26.3
2	23.8	5.7	7.1	-.3	-2.0	5.0	15.1	11.7	24.2	28.0	26.7	27.6
3	23.7	6.0	11.0	-1.0	-.3	8.9	14.9	13.6	25.3	26.8	26.0	27.6
4	24.6	10.4	7.9	3.7	2.5	8.9	14.2	10.6	23.1	24.4	27.1	27.8
5	23.6	5.2	3.7	.1	4.3	11.1	17.4	8.5	14.3	24.5	22.0	27.3
6	24.0	4.2	4.8	.4	7.9	9.5	18.9	4.7	12.4	24.8	23.1	26.8
7	22.7	9.3	2.3	.8	7.8	4.1	18.2	6.1	12.6	27.0	23.2	26.5
8	21.3	9.0	2.5	.1	9.8	10.9	7.0	10.5	16.6	28.2	24.1	26.1
9	21.0	9.9	10.6	6.7	11.3	8.1	12.4	15.8	20.2	29.3	25.2	23.6
10	19.8	9.0	13.7	9.7	4.9	-2.5	17.4	18.9	20.8	29.3	25.1	23.0
11	20.0	12.3	4.6	2.7	7.4	-1.8	19.5	21.8	19.4	27.3	24.2	15.1
12	14.6	12.6	-6.9	-2.8	11.1	1.9	18.2	23.1	19.9	28.2	23.2	10.4
13	13.5	7.8	-7.2	5.4	8.5	5.2	13.9	18.8	22.2	27.8	22.5	16.1
14	14.4	3.5	-7.8	9.0	5.9	8.3	7.7	21.5	24.2	28.0	24.2	19.9
15	16.6	1.5	-4.7	3.4	10.6	3.7	3.8	23.7	25.9	28.4	23.4	22.2
16	16.8	7.2	-3.8	.2	4.0	4.6	7.6	20.5	25.0	30.1	25.0	21.9
17	17.9	6.5	-2.5	-2.7	3.6	7.6	9.1	15.1	21.0	30.7	26.6	21.7
18	17.5	6.7	.5	-6.8	-.5	11.9	10.2	15.7	23.7	31.4	27.9	14.9
19	15.1	10.3	-1.6	-6.6	3.3	15.2	7.4	16.2	24.3	28.7	26.8	19.6
20	16.2	10.3	.8	.5	8.9	14.7	3.6	19.0	25.0	30.3	24.1	14.1
21	16.0	4.7	5.2	-.1	9.0	13.8	4.5	22.5	25.1	29.5	24.0	9.7
22	13.3	4.3	5.1	-.7	11.3	13.0	4.6	23.1	23.3	28.5	23.3	19.1
23	9.5	3.8	-7.1	7.4	10.4	16.7	2.5	22.9	27.1	26.5	26.3	19.0
24	9.8	5.9	-10.2	1.9	10.7	13.1	10.1	22.2	25.7	26.2	23.1	19.9
25	12.0	-.4	-7.1	8.3	11.3	15.2	11.6	22.3	24.4	27.8	25.2	20.1
26	13.8	.7	-1.2	8.8	11.5	17.6	14.4	21.2	25.1	27.6	22.3	21.1
27	14.5	3.3	-.2	11.1	6.7	10.9	15.2	19.5	27.3	26.5	26.0	18.8
28	13.5	1.9	1.4	8.3	8.1	1.0	14.5	20.6	27.7	26.7	25.6	18.0
29	10.4	3.0	-2.7	5.0	7.5	10.4	16.2	11.1	26.7	28.3	26.2	21.9
30	9.6	3.5	-3.7	3.1	---	1.3	10.3	6.6	26.7	27.6	25.4	23.7
31	6.4	---	-4.6	2.0	---	5.7	---	15.2	---	25.9	25.6	---
MAX	24.6	12.6	13.7	11.1	11.5	17.6	19.5	23.7	27.7	31.4	28.1	27.8
WTR YR 1988	MAX 31.4											

3 SPRINGS BASIN

3 SPRINGS CREEK NEAR WARM SPRINGS, NV

DAILY MAXIMUM AIR TEMPERATURE, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24.6	16.7	10.1	-1.9	3.5	10.9	11.3	18.0	17.1	25.8	25.6	23.2
2	24.6	15.7	9.0	2.5	1.6	5.5	14.0	18.5	18.8	27.0	24.6	24.6
3	22.7	18.0	6.8	6.1	-1.8	-2.2	14.0	20.0	15.7	28.7	24.6	25.0
4	22.6	16.3	7.7	4.8	-5.9	.8	16.2	20.4	17.1	28.6	25.1	25.5
5	20.1	18.0	10.8	-1.2	-11.1	11.5	19.0	23.3	15.6	30.2	27.1	25.7
6	16.6	15.6	11.2	-6.4	-10.9	14.2	22.4	23.4	19.5	31.4	28.0	24.3
7	18.7	11.7	1.0	-5.5	-8.3	12.8	23.1	24.2	19.4	32.2	28.2	19.2
8	19.9	9.2	2.3	-2.3	-8.1	12.8	21.5	23.5	19.0	31.0	24.7	19.6
9	19.3	9.5	5.5	5.2	-1	15.2	21.8	17.8	20.8	27.3	21.6	21.8
10	17.5	9.1	7.2	8.3	2.6	15.0	22.4	12.0	19.5	26.2	23.9	22.2
11	16.9	8.0	8.4	-5.7	-.5	15.1	16.0	2.6	21.4	23.5	22.8	19.3
12	16.8	11.0	11.4	-4.0	-1.4	15.6	14.2	8.9	21.7	23.8	24.9	17.3
13	17.8	9.7	13.8	-.3	-4.0	9.1	18.0	2.8	25.3	25.2	27.4	20.0
14	15.3	4.1	8.0	-.6	-1.5	8.4	20.2	5.8	27.6	28.3	27.5	22.0
15	17.8	3.0	-5.4	-.9	2.6	11.3	19.2	10.9	27.7	27.2	26.8	23.3
16	20.7	3.7	1.9	4.2	4.7	10.6	20.6	15.1	23.5	26.0	26.0	19.5
17	22.3	-.5	4.4	8.2	7.4	9.0	21.7	18.5	26.4	28.4	23.4	14.6
18	23.2	-.1	1.6	7.3	7.9	10.3	22.6	19.9	28.5	29.8	23.1	13.9
19	21.3	2.1	-.8	8.5	6.4	9.8	21.8	16.2	28.0	30.5	23.4	11.7
20	19.5	5.1	.0	8.4	4.2	7.3	21.0	20.3	24.2	30.2	22.2	17.7
21	22.0	7.9	-.7	8.1	8.1	14.5	18.7	19.7	18.2	27.1	22.5	19.2
22	21.5	11.2	-1.7	4.6	12.4	13.1	14.3	21.4	23.3	28.2	23.3	20.0
23	21.5	7.3	-2.2	3.7	14.5	11.5	10.6	19.1	20.2	28.6	21.3	23.0
24	20.6	-1.4	-2.2	-2.6	13.5	12.0	5.1	13.3	14.5	26.0	18.3	23.2
25	19.6	.9	-3.3	-1.1	14.1	5.2	6.5	15.1	18.4	28.2	20.7	21.9
26	20.6	.4	-9.0	3.8	13.0	4.5	6.8	18.3	22.7	28.1	22.7	21.5
27	18.7	5.4	-8.9	6.0	8.7	11.0	6.3	19.9	20.5	27.4	23.7	20.3
28	15.8	7.2	-8.0	3.5	9.5	15.0	9.1	17.1	21.0	27.1	25.0	21.9
29	15.9	4.2	-5.7	7.9	---	11.1	12.2	13.0	22.9	27.6	24.8	20.0
30	17.0	7.8	4.6	13.3	---	14.1	14.8	8.6	22.9	28.3	22.9	16.6
31	18.7	---	-1.0	12.6	---	15.8	---	14.1	---	27.0	22.7	---
MAX	24.6	18.0	13.8	13.3	14.5	15.8	23.1	24.2	28.5	32.2	28.2	25.7
CAL YR 1988	MAX 31.4											
WTR YR 1989	MAX 32.2											

3 SPRINGS BASIN

3 SPRINGS CREEK NEAR WARM SPRINGS, NV

DAILY MAXIMUM AIR TEMPERATURE, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.5	5.9	4.7	4.0	-2.8	10.0	13.7	11.1	13.7	29.5	27.1	24.9
2	14.3	8.9	7.4	-2.9	-2.8	10.1	13.7	12.8	20.6	26.7	26.5	24.5
3	9.6	11.6	9.0	-4.1	1.5	11.0	14.0	14.7	25.1	23.8	28.0	24.2
4	11.8	15.0	12.6	1.5	-1.9	9.0	11.9	19.0	26.6	25.5	29.0	22.4
5	14.8	14.1	13.7	2.8	-.3	1.2	13.9	20.7	23.9	26.7	29.6	22.8
6	16.9	10.8	6.3	5.0	.7	4.1	12.3	21.3	21.2	26.2	29.3	23.7
7	15.3	7.5	8.1	8.8	-2.1	8.5	11.6	20.6	24.0	25.3	27.8	25.4
8	18.8	9.5	11.9	12.0	-2.0	8.2	4.6	15.9	26.0	23.3	29.1	26.6
9	20.7	14.1	10.0	15.1	2.0	10.5	13.0	17.8	21.6	24.9	28.0	27.1
10	21.4	15.2	3.6	12.7	7.3	9.0	15.5	14.9	16.7	24.2	26.4	27.7
11	21.3	17.2	-3.9	12.8	7.6	-.6	16.7	13.9	19.1	28.7	25.6	28.9
12	21.6	15.2	2.8	7.2	7.8	-5.2	17.3	16.6	18.8	29.7	24.7	28.2
13	20.3	14.9	3.6	3.1	1.6	-2.6	19.5	16.4	18.7	27.8	25.8	26.9
14	17.4	10.0	4.8	1.8	-11.2	4.8	20.2	15.4	16.6	25.1	25.3	25.2
15	14.6	6.5	9.3	.0	-4.0	5.7	19.0	13.4	13.4	23.9	20.1	24.0
16	14.5	10.8	4.3	-2.3	-3.2	8.5	13.7	16.6	18.6	22.2	22.0	21.7
17	14.7	8.1	6.5	-4.1	-.6	10.8	6.9	17.9	21.7	24.9	22.4	18.5
18	17.9	10.9	4.5	-2.6	-3.6	12.2	9.8	16.5	20.7	28.0	20.7	17.0
19	17.8	15.1	3.6	-.8	-2.4	14.1	14.1	12.4	21.7	27.3	17.8	15.6
20	15.7	16.3	5.4	-.1	3.6	14.3	12.7	17.0	25.5	28.3	17.3	18.9
21	9.7	13.9	4.0	2.3	4.1	16.0	11.8	20.1	28.5	28.6	20.1	15.8
22	11.3	12.3	7.1	7.3	9.1	16.1	13.1	19.2	28.7	29.4	22.9	17.6
23	11.5	13.1	9.8	7.4	11.1	15.2	11.1	18.0	27.2	27.6	23.3	12.5
24	12.0	10.9	8.7	.6	11.6	15.0	8.8	11.0	27.2	25.0	21.2	16.2
25	3.5	7.1	8.7	4.9	11.4	15.3	14.6	16.3	28.0	24.3	19.5	18.8
26	8.0	2.0	9.3	4.2	10.7	15.0	16.7	16.0	27.8	25.1	19.9	18.9
27	10.0	-2.6	8.9	-2.4	9.0	10.6	18.4	16.4	27.3	27.1	22.7	17.9
28	1.9	1.2	3.8	3.5	10.0	4.6	18.1	5.3	28.3	28.0	25.7	16.2
29	3.7	4.6	.5	5.1	---	6.7	8.2	13.5	28.3	28.8	26.2	17.2
30	8.4	5.8	2.4	2.9	---	9.2	7.1	14.9	29.2	28.0	25.2	20.4
31	9.7	---	9.4	-1.3	---	12.3	---	12.9	---	27.7	25.2	---
MAX	21.6	17.2	13.7	15.1	11.6	16.1	20.2	21.3	29.2	29.7	29.6	28.9
CAL YR 1989	MAX 32.2											
WTR YR 1990	MAX 29.7											

3 SPRINGS BASIN

3 SPRINGS CREEK NEAR WARM SPRINGS, NV

DAILY MAXIMUM AIR TEMPERATURE, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22.0	4.1	6.8	8.2	11.4	.9	7.0	10.5	14.2	27.1	---	---
2	20.7	.9	5.1	7.1	5.9	7.6	11.6	5.7	20.0	29.8	---	---
3	19.9	7.6	5.2	.4	9.4	7.9	14.2	9.2	22.2	30.5	---	---
4	22.3	13.4	10.6	.9	12.2	7.1	17.6	14.2	21.3	32.2	---	---
5	20.5	10.0	9.0	5.1	9.6	3.9	16.6	18.0	19.6	31.8	---	---
6	18.8	-.5	6.5	2.0	9.7	2.3	17.3	16.4	20.8	29.3	---	---
7	11.6	4.9	9.5	-.5	11.5	4.2	10.0	20.4	23.2	28.2	---	---
8	11.7	13.1	10.5	1.0	12.1	7.4	10.3	19.7	23.4	22.6	---	---
9	17.7	14.4	12.2	-.7	12.5	7.7	15.0	5.3	24.6	25.4	---	---
10	19.4	17.5	12.2	4.4	11.9	8.0	2.1	5.6	27.3	25.6	---	---
11	16.6	17.1	7.7	5.4	12.1	1.5	1.5	8.5	27.9	27.7	---	---
12	19.7	17.7	4.2	9.6	11.5	5.5	2.6	14.9	26.0	29.5	---	---
13	20.2	16.6	.4	9.5	11.6	3.4	9.9	14.5	23.3	29.0	---	---
14	21.2	14.9	-2.2	8.2	12.9	3.6	12.4	10.7	21.8	27.5	---	---
15	21.7	9.8	1.9	6.6	13.1	-1.3	12.1	15.6	22.9	26.6	---	---
16	18.4	11.6	-2.8	2.8	7.3	4.3	9.5	19.1	24.6	25.7	---	---
17	16.6	13.1	1.2	5.4	2.2	4.7	8.2	11.6	25.5	26.6	---	---
18	12.2	10.3	4.6	6.4	4.4	6.4	11.0	8.4	24.6	26.2	---	---
19	9.7	6.2	-2.2	8.5	11.9	1.8	13.2	10.3	21.5	24.6	---	---
20	7.4	.7	-11.0	-.4	14.2	-1.0	9.9	14.6	21.5	23.6	---	---
21	13.4	4.5	-12.7	-2.1	14.5	2.0	10.8	11.0	20.3	25.9	---	---
22	16.9	9.3	-13.2	3.6	13.0	4.2	8.6	13.9	23.0	26.3	---	---
23	18.6	16.3	-8.6	5.5	11.7	4.9	13.1	20.8	22.3	28.0	---	---
24	20.0	16.1	-2.7	5.9	9.9	7.4	14.1	21.9	19.1	28.3	---	---
25	20.0	10.7	-.8	6.0	11.5	1.0	4.8	20.8	18.1	27.3	---	---
26	19.6	1.2	-1.0	6.2	11.4	3.0	9.6	18.4	19.9	28.2	---	23.4
27	21.3	.2	3.4	6.2	9.0	1.7	8.3	16.2	13.1	29.8	---	17.8
28	19.2	3.5	6.9	4.5	1.0	9.3	11.5	18.0	18.4	30.8	---	19.7
29	16.5	8.0	-4.5	-.4	---	8.5	12.7	18.7	17.9	30.2	---	19.4
30	16.9	7.8	-1.0	9.3	---	11.7	13.9	12.7	23.4	29.8	---	22.0
31	13.3	---	5.0	8.4	---	11.8	---	12.5	---	---	---	---
MAX	22.3	17.7	12.2	9.6	14.5	11.8	17.6	21.9	27.9	---	---	---
CAL YR 1990	MAX 29.7											

3 SPRINGS BASIN

3 SPRINGS CREEK NEAR WARM SPRINGS, NV

DAILY MINIMUM AIR TEMPERATURE, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	-4.9	-3.7	-4.2	-2.8	6.8	-1.5	10.9	7.1	13.8	15.0	6.2
2	---	-2.2	-.4	-7.1	.4	.3	-4.8	11.0	10.3	17.7	20.1	7.1
3	---	-1.1	-5.5	-4.6	-3.6	.0	-5.2	5.6	10.6	12.2	20.6	6.1
4	---	1.4	-6.1	-2.3	-6.3	-1.3	-3.4	-2.5	9.8	14.8	11.5	6.7
5	---	-2.3	-4.7	.6	-9.7	-.9	-.9	-4.4	14.3	5.8	16.4	8.2
6	---	-4.3	-8.5	-7.5	-12.3	.7	-1.0	-2.0	13.9	15.2	20.9	19.4
7	---	-2.3	-5.8	-10.9	-14.4	-.4	-1.8	-3.0	11.2	14.8	20.3	14.9
8	---	2.4	-12.0	-11.3	-14.7	-1.3	-2.1	-2.2	5.2	13.2	13.2	13.9
9	---	-6.7	-15.3	-4.9	-16.1	-3.7	.2	-2.5	2.5	10.9	14.0	7.1
10	---	-6.9	-12.0	-4.2	-15.8	-1.7	-1.4	6.6	2.9	8.9	12.3	3.1
11	-1.0	-8.8	-22.5	-4.9	-4.7	-2.3	1.2	-.5	7.1	11.3	10.5	2.3
12	2.0	-15.9	-20.6	-3.4	-2.9	-6.1	-2.3	-.1	9.6	13.1	16.6	10.4
13	-2.7	-17.1	-14.9	-5.3	-.1	-6.0	-4.5	-.8	6.5	14.7	9.1	11.3
14	-3.0	-17.3	-12.4	-5.0	1.0	-7.2	-4.5	2.4	10.3	18.8	12.8	9.7
15	-3.4	-12.4	-10.1	-.2	.4	-3.1	3.6	4.4	6.1	6.1	20.8	6.1
16	-2.0	-7.0	-9.6	-2.8	-.1	-6.8	-2.7	-1.1	17.2	6.2	17.4	1.4
17	-1.9	-10.6	-11.0	-3.2	2.6	-8.3	-4.5	-1.2	18.0	5.2	16.1	8.6
18	-1.5	-19.6	-7.5	-3.2	2.9	-10.7	-3.1	.7	11.1	14.3	14.7	5.8
19	.0	-20.5	-5.7	-3.0	.4	-7.9	-4.9	13.6	4.9	9.6	10.5	5.8
20	9.7	-12.0	-7.2	-5.6	-2.6	-4.6	-.1	13.2	5.1	10.3	11.7	-2.8
21	-7.5	-6.6	-8.5	-7.1	-3.9	-2.5	2.2	.7	5.3	10.0	9.4	-2.6
22	-9.8	-4.2	-7.4	-6.6	-2.5	-.9	5.7	-4.5	7.4	8.6	10.1	-1.4
23	1.1	-3.7	-6.7	-7.0	-1.7	.8	4.9	-.3	8.6	10.9	11.1	.3
24	.4	-.6	-5.5	-9.1	-.5	3.3	2.2	2.8	12.0	8.8	17.6	4.5
25	1.4	-4.4	-7.1	-7.9	-.7	-2.0	-2.5	4.7	10.8	7.2	12.7	-1.4
26	-1.9	-8.5	-6.6	-6.6	-1.0	-1.7	-4.5	18.0	11.3	5.7	12.1	-2.3
27	-.4	-2.4	-7.6	-6.0	-1.0	-.1	-5.2	14.4	21.0	15.3	10.0	.5
28	1.6	1.2	-6.1	-3.5	-.8	1.6	3.0	11.2	12.9	14.7	9.5	-2.0
29	-.5	-4.0	-5.9	1.4	---	5.4	2.3	7.6	9.3	7.5	15.7	-4.3
30	2.5	-6.0	-2.1	.5	---	4.8	-.9	8.5	10.7	8.3	13.7	-.5
31	-3.1	---	-3.5	1.2	---	1.2	---	8.5	---	9.9	6.8	---
MIN	---	-20.5	-22.5	-11.3	-16.1	-10.7	-5.2	-4.5	2.5	5.2	6.8	-4.3

3 SPRINGS BASIN

3 SPRINGS CREEK NEAR WARM SPRINGS, NV

DAILY MINIMUM AIR TEMPERATURE, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-1.1	-2.2	-8.9	-6.5	-6.2	-9.1	-2.8	.3	2.0	---	17.5	10.0
2	.5	.6	-5.9	-7.1	-1.5	-4.9	-1.6	-3.0	1.9	---	14.3	14.4
3	-1.5	1.7	-5.8	1.9	-4.7	-3.5	-1.5	-1.2	3.5	---	10.8	9.9
4	-2.7	-1.4	-2.7	-3.2	-10.1	-1.6	.0	-.2	10.7	---	20.7	7.8
5	-1.0	-2.3	2.7	-9.7	-9.4	2.4	-2.6	1.7	9.8	---	20.0	11.1
6	-1.5	-4.0	-2.6	-12.8	-6.4	.9	-2.4	2.1	7.6	---	19.4	6.8
7	1.0	-8.3	-5.1	-15.0	-2.4	-.1	-2.6	4.8	6.4	---	11.7	4.7
8	2.5	-8.3	-10.4	-19.1	-3.1	-.5	-1.2	4.2	5.6	19.6	11.5	9.2
9	2.3	-10.9	-13.4	-18.0	-1.3	-2.6	-.8	4.3	4.2	18.1	10.7	6.6
10	1.2	-5.8	-15.1	-13.4	-.2	-3.9	-.9	3.9	5.4	16.2	19.1	8.3
11	-.9	-6.5	-11.9	-11.2	-1.2	-.4	.7	3.9	7.6	9.1	15.9	7.4
12	-2.2	-4.8	-10.4	-12.0	-.7	-1.4	-3.4	6.8	14.0	9.7	9.8	5.9
13	-4.8	-4.8	-8.0	-13.6	-2.1	-4.1	-5.1	5.3	11.6	12.1	16.5	2.1
14	-2.6	5.4	-8.5	-18.8	-3.5	-4.4	.6	7.4	9.1	10.5	10.2	7.2
15	-2.3	-.3	-8.8	-19.2	-3.0	-3.8	5.2	7.4	6.6	14.2	4.9	6.0
16	-1.7	-2.6	-7.6	-16.2	-8.1	-3.6	.6	7.0	2.3	13.0	4.2	4.3
17	-.9	2.5	-8.4	-14.1	-7.9	-4.9	12.1	5.1	12.8	5.8	7.6	.9
18	-1.9	1.1	-8.2	-14.6	-9.5	-4.1	-4.0	3.8	8.1	4.6	9.0	5.8
19	-1.1	.1	-2.3	-11.7	-12.5	-8.7	-6.1	1.6	4.4	10.3	19.9	4.6
20	-2.7	-1.6	-7.9	-15.7	-10.7	-11.9	-4.8	-.5	10.0	9.8	19.7	3.5
21	-2.2	-4.2	-10.4	-13.8	-14.2	-7.9	-2.8	-1.7	13.8	9.2	18.2	4.2
22	-1.2	-9.2	-10.3	-4.9	-10.9	-10.2	.2	-.8	3.1	8.5	14.9	6.1
23	-1.1	-8.2	-9.7	-8.0	-9.3	-9.2	7.1	-.1	3.8	6.7	11.9	6.0
24	-.1	-5.3	-12.1	-7.6	-13.2	-3.1	3.2	.8	7.5	16.8	8.6	6.7
25	.9	-5.2	-12.6	-4.7	-16.2	-4.7	5.6	2.0	9.3	17.7	6.4	8.0
26	.5	-8.9	-12.0	5.6	-16.9	-7.8	7.1	.7	13.8	14.0	3.6	6.6
27	8.7	-3.4	-7.8	4.5	-19.3	-9.1	3.9	2.8	13.5	14.1	6.0	---
28	.6	5.6	-9.1	-6.1	-13.4	-8.7	5.8	2.3	10.2	11.0	17.5	---
29	3.5	-4.4	-9.0	-5.8	---	-9.1	6.7	1.0	10.2	14.4	11.1	---
30	4.5	-10.7	-10.6	-5.5	---	-8.8	5.2	1.9	8.1	11.7	10.0	---
31	.1	---	-9.8	-9.0	---	-4.4	---	9.6	---	17.8	9.9	---
MIN	-4.8	-10.9	-15.1	-19.2	-19.3	-11.9	-6.1	-3.0	1.9	---	3.6	---
CAL YR 1986	MIN -16.1											

3 SPRINGS BASIN

3 SPRINGS CREEK NEAR WARM SPRINGS, NV

DAILY MINIMUM AIR TEMPERATURE, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.7	4.4	-6.3	-17.0	-12.3	-1.8	-6.5	-6.3	6.7	15.0	11.9	9.7
2	3.5	1.3	-2.7	-13.4	-12.5	-2.7	-2.5	-6.9	5.7	19.3	16.0	9.9
3	6.5	.3	-3.6	-5.2	-15.5	-5.1	5.3	-1.6	17.0	20.5	11.2	8.8
4	5.8	1.0	.8	-4.2	-14.0	-2.7	-1.5	5.4	15.2	17.8	9.2	9.6
5	4.4	.2	-3.5	-3.8	-13.0	-2.9	-3.6	-4.1	6.2	15.2	9.9	9.7
6	3.7	.2	-3.4	-11.4	-11.9	1.6	2.8	-5.2	3.8	17.1	7.1	19.0
7	7.9	-.3	-9.0	-12.1	-8.9	-6.6	7.1	-5.0	1.8	9.0	5.4	13.5
8	4.9	-1.7	-9.5	-8.1	-4.7	-8.4	-4.6	-3.6	.8	17.8	7.2	17.7
9	4.6	-1.6	-2.6	-5.9	-6.3	-6.5	-7.2	3.0	4.7	11.1	7.6	13.5
10	4.1	-2.2	1.2	-.5	-3.8	-8.5	-3.2	.9	12.5	10.7	11.4	7.0
11	2.5	-3.0	-9.8	-13.5	-7.2	-12.7	.2	3.2	8.2	10.5	7.3	.7
12	3.2	-2.4	-11.5	-15.4	-8.4	-13.8	1.1	6.2	4.3	11.5	6.3	.9
13	1.8	.9	-11.4	-12.1	-7.7	-11.2	4.0	4.2	3.4	14.0	14.0	-.4
14	.7	-5.4	-16.3	-7.4	-10.3	-8.7	.5	2.9	6.3	19.8	16.0	.2
15	-1.2	-8.9	-15.1	-5.7	-6.1	-5.1	.2	7.1	7.3	20.0	8.2	2.8
16	-1.4	-2.5	-9.2	-12.7	-7.4	-4.5	1.4	13.1	10.3	14.2	4.6	15.1
17	1.3	-2.5	-6.1	-6.9	-10.4	-7.0	-.1	4.2	8.2	10.9	8.8	4.1
18	.0	-5.3	-9.8	-20.3	-5.3	-6.4	-1.4	-.5	8.7	10.7	11.1	-2.1
19	-.8	-6.7	-13.9	-22.2	-11.4	-3.9	3.5	.7	10.4	10.0	14.2	-1.0
20	-1.5	-5.2	-15.8	-19.2	-7.8	-1.5	-.8	.7	9.6	9.0	13.5	3.9
21	2.4	-4.8	-2.7	-10.9	-8.2	2.1	-3.9	1.4	9.8	18.6	12.2	1.3
22	5.2	-5.7	-6.5	-15.6	-6.4	-1.9	-1.8	10.2	10.0	15.0	10.6	.0
23	4.3	-6.8	-13.7	-8.9	-7.2	4.2	-2.7	7.6	9.9	14.9	12.1	1.6
24	.9	-8.4	-14.9	-10.1	-3.0	-3.2	-3.0	12.8	12.2	11.9	14.3	11.1
25	-.3	-8.0	-17.8	-10.3	-4.3	-1.1	-.7	15.2	13.3	12.4	12.0	11.2
26	.2	-9.1	-14.5	-7.5	-3.4	-1.1	-2.8	10.0	9.1	11.1	13.5	8.3
27	4.4	-10.4	-13.2	-2.5	-.9	-7.1	6.3	5.8	18.3	11.3	9.6	3.5
28	4.4	-10.5	-12.6	-2.3	1.2	-9.3	8.9	3.1	16.4	11.0	11.2	-.3
29	1.4	-9.4	-6.6	.1	-1.5	-9.5	3.9	-2.8	11.0	11.8	11.4	3.0
30	2.3	-8.4	-17.7	-5.0	---	-5.9	-4.3	-3.5	7.4	12.1	10.2	4.9
31	.6	---	-19.4	-9.6	---	-8.1	---	-2.0	---	13.0	11.1	---
MIN	-1.5	-10.5	-19.4	-22.2	-15.5	-13.8	-7.2	-6.9	.8	9.0	4.6	-2.1
WTR YR 1988	MIN -22.2											

3 SPRINGS BASIN

3 SPRINGS CREEK NEAR WARM SPRINGS, NV

DAILY MINIMUM AIR TEMPERATURE, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.3	10.2	-8.5	-15.0	.2	-5.6	-1.8	5.1	-.3	7.7	18.6	9.7
2	7.0	3.3	-7.2	-15.5	-3.0	-1.5	5.9	.7	3.3	15.0	17.0	15.2
3	7.9	10.6	-8.0	-10.3	-5.9	-11.1	2.5	4.0	5.6	18.3	17.8	5.8
4	6.9	2.5	-7.9	-4.8	-18.4	-14.2	-1.0	2.5	4.1	14.9	17.6	3.9
5	7.7	-.3	-8.6	-7.8	-25.8	-5.4	-1.9	5.5	1.0	10.3	17.7	12.6
6	2.2	-1.1	-6.3	-17.9	-28.8	.3	1.2	6.2	1.9	9.7	14.3	8.9
7	.9	-2.9	-5.5	-18.9	-27.4	5.6	2.9	8.1	6.1	10.9	11.5	5.3
8	1.7	-2.2	-7.0	-19.8	-21.1	7.6	3.1	5.7	3.7	13.4	11.3	3.1
9	1.0	-4.6	-9.7	-1.6	-8.7	8.6	-.2	6.4	6.0	14.1	10.0	3.4
10	3.9	-3.1	-6.6	-11.3	-11.3	8.6	-.7	1.4	4.5	8.8	9.6	4.8
11	2.8	-6.7	-8.8	-17.0	-13.7	7.0	-1.0	-.4	5.0	13.9	10.4	6.0
12	3.0	-2.2	-4.6	-17.5	-15.0	2.5	-1.9	-1.3	3.7	11.5	14.4	1.9
13	10.2	3.9	-3.6	-15.6	-18.8	.1	-2.0	-.2	8.5	8.0	11.7	1.0
14	1.6	-10.1	-9.1	-16.9	-20.6	-5.1	1.7	-.1	8.3	10.8	13.7	3.0
15	-.7	-12.9	-10.7	-17.3	-16.4	-5.9	5.0	.7	15.1	17.9	15.7	5.2
16	1.0	-10.4	-11.7	-13.4	-11.5	-3.6	1.4	1.7	10.3	8.9	19.1	7.5
17	3.1	-7.7	-8.4	-11.2	-8.9	-7.1	4.6	1.9	6.3	9.3	17.4	7.2
18	2.1	-12.6	-7.0	-9.8	-3.6	-1.2	3.3	3.7	8.7	11.4	15.1	.0
19	2.6	-14.0	-9.0	-8.7	-5.3	-2.3	11.4	-1.8	18.9	13.3	11.4	.5
20	.1	-11.2	-8.5	-7.8	-9.1	-7.9	13.9	1.7	8.5	15.3	9.6	1.0
21	.5	-7.5	-8.6	-8.5	-9.5	-6.6	9.4	6.5	3.8	12.2	5.4	.5
22	3.3	-1.4	-14.1	-1.5	-3.3	-2.1	4.7	10.1	1.3	11.0	16.0	1.1
23	1.3	-5.2	-15.6	-8.9	4.9	-.4	-1.7	5.9	5.0	11.3	8.7	3.5
24	1.2	-10.6	-7.1	-18.2	7.1	2.4	-9.1	3.6	7.3	11.6	1.0	6.1
25	.7	-5.7	-18.5	-19.7	5.2	-2.4	-9.7	-2.2	6.0	10.4	1.4	8.5
26	1.8	-10.6	-24.1	-15.9	-.5	-3.5	-3.9	-1.5	4.8	16.0	7.5	11.0
27	1.5	-11.5	-25.4	-13.7	-4.5	-2.6	-5.6	7.7	13.7	18.7	15.6	15.0
28	10.4	-8.3	-20.8	-13.0	-6.4	4.7	-6.4	6.4	8.2	18.4	6.2	9.7
29	4.0	-10.5	-22.8	-7.6	---	-2.1	-2.9	-2.3	13.7	19.3	17.5	13.4
30	-.3	-8.6	-10.7	-4.4	---	-1.2	4.0	-.6	14.7	20.1	13.7	2.4
31	.6	---	-9.7	-5.4	---	2.4	---	-1.0	---	20.4	3.7	---
MIN	-.7	-14.0	-25.4	-19.8	-28.8	-14.2	-9.7	-2.3	-.3	7.7	1.0	.0
CAL YR 1988	MIN -25.4											
WTR YR 1989	MIN -28.8											

3 SPRINGS BASIN

3 SPRINGS CREEK NEAR WARM SPRINGS, NV

DAILY MINIMUM AIR TEMPERATURE, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-2.4	-10.0	-10.5	-3.2	-12.7	1.9	-3.3	-1.0	-.6	21.4	12.6	12.7
2	3.4	-10.2	-11.5	-12.2	-15.3	.9	-.6	-1.1	1.8	17.4	9.4	16.2
3	-.6	-6.9	-9.2	-19.1	-15.6	.0	-2.3	-.1	12.2	7.9	18.9	15.4
4	-3.4	-4.4	-6.5	-16.1	-6.4	-2.4	-.4	4.1	10.6	16.2	15.2	15.0
5	-2.9	-2.4	-2.5	-12.0	-17.1	-4.8	-.4	1.5	5.6	17.8	11.8	12.6
6	.3	-5.0	-6.6	-10.7	-9.0	-7.5	1.8	13.4	5.0	18.5	11.2	12.0
7	-2.1	-5.9	-6.6	-5.2	-21.2	-9.3	.5	7.0	8.2	18.1	13.9	9.3
8	-1.6	-8.1	-5.7	-.3	-23.0	3.3	-.7	-2.7	6.9	15.0	15.0	9.1
9	.8	-4.9	-2.2	-1.2	-12.1	2.0	-.9	-3.3	10.3	13.2	12.6	12.2
10	2.3	-2.2	-11.0	-2.6	-5.3	.4	-2.1	7.3	5.7	10.8	12.0	11.4
11	7.8	-.5	-14.7	-2.1	-6.5	-10.5	1.3	1.3	3.5	10.1	10.7	10.6
12	4.8	.8	-14.1	3.2	.9	-13.8	1.3	-1.0	7.3	13.5	11.2	13.6
13	7.0	-2.1	-10.6	.1	-14.7	-17.1	.2	1.7	1.0	17.8	8.0	12.7
14	5.1	-7.1	-12.1	-7.5	-21.6	-8.0	13.4	5.2	3.6	14.0	12.1	18.5
15	.1	-9.0	-8.5	-11.6	-22.2	-6.6	8.6	-1.3	2.2	11.1	10.6	16.4
16	-1.8	-5.1	-10.5	-5.2	-9.0	-8.9	2.7	-2.0	1.1	13.4	9.1	3.8
17	-2.1	-3.3	-10.6	-6.4	-5.5	-2.0	1.0	5.9	7.5	12.4	15.3	6.6
18	-2.0	-6.4	-9.4	-14.1	-8.3	-3.3	2.5	3.9	9.4	10.7	10.8	5.6
19	-1.0	-5.0	-11.9	-15.8	-12.3	-1.1	.0	-.3	4.5	10.3	3.2	1.8
20	8.5	-2.0	-11.9	-18.1	-16.4	4.0	1.8	-1.5	5.8	10.6	.4	1.7
21	6.1	-2.8	-9.9	-14.6	-9.0	2.9	.2	10.4	9.3	10.5	5.0	4.2
22	4.7	-4.7	-9.7	-14.1	-8.6	.7	-1.5	6.6	15.1	10.4	5.4	5.7
23	7.0	-3.8	-7.2	-9.6	-7.2	-1.2	1.7	-.9	17.1	15.2	5.4	5.9
24	3.8	.2	-7.5	-12.6	-4.2	-3.4	.8	-1.5	15.4	14.5	15.2	4.0
25	-3.0	-5.2	-8.9	-11.3	-3.1	-2.2	.5	-3.3	13.9	7.5	11.1	4.3
26	-8.2	-11.6	-8.2	-12.5	-2.2	7.3	5.3	6.2	15.0	6.5	10.6	7.8
27	-6.8	-14.2	-5.4	-16.6	-3.2	-2.5	2.9	5.0	8.2	6.6	13.6	2.4
28	-9.2	-15.6	-6.1	-13.4	-4.6	-4.5	.4	3.4	8.0	12.0	6.4	3.0
29	-11.5	-10.5	-9.2	-3.4	---	-3.7	-2.1	4.7	19.2	12.7	14.0	5.0
30	-11.3	-10.3	-10.7	-4.3	---	-4.9	-2.7	3.4	15.9	19.4	18.0	2.0
31	-9.9	---	-10.5	-13.0	---	-3.9	---	4.0	---	19.8	7.0	---
MIN	-11.5	-15.6	-14.7	-19.1	-23.0	-17.1	-3.3	-3.3	-.6	6.5	.4	1.7
CAL YR 1989	MIN -28.8											
WTR YR 1990	MIN -23.0											

3 SPRINGS BASIN

3 SPRINGS CREEK NEAR WARM SPRINGS, NV

DAILY MINIMUM AIR TEMPERATURE, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.4	-4.2	-9.8	-10.6	-9.0	-1.3	-1.9	-2.4	3.9	5.0	---	---
2	5.6	-8.6	-8.8	-11.2	-5.4	-6.7	-4.1	-2.7	4.1	8.6	---	---
3	.5	-11.2	-10.5	-5.3	-6.1	1.8	-5.2	-5.1	10.0	10.7	---	---
4	2.8	-7.5	-7.4	-6.8	-5.9	3.4	-1.5	-3.1	14.7	12.8	---	---
5	13.7	-3.4	-8.3	-10.1	-2.8	-5.0	11.2	-.9	10.0	14.8	---	---
6	6.1	-6.3	-10.6	-11.6	-6.1	-11.6	6.0	2.4	10.8	17.0	---	---
7	-3.2	-7.7	-10.1	-11.0	-7.5	-11.9	-2.6	.7	7.1	17.9	---	---
8	-6.6	-1.0	-8.8	-10.7	-6.9	-9.7	-7.9	6.1	4.2	11.8	---	---
9	-4.2	-2.7	-7.2	-11.8	-4.8	-8.7	-4.9	-4.5	5.4	10.8	---	---
10	-2.1	-4.7	1.4	-11.5	-6.1	-.3	-8.2	-5.4	7.4	9.8	---	---
11	-1.4	-1.3	2.4	-7.5	-5.5	-8.3	-9.0	-5.8	9.5	11.7	---	---
12	-2.8	-1.5	-2.3	-6.0	-1.7	-10.0	-4.6	-2.7	17.7	10.7	---	---
13	4.1	.2	-8.4	-5.0	-2.9	-4.8	-8.1	.4	14.5	17.5	---	---
14	.1	9.1	-15.5	-6.5	-4.4	-4.4	-3.3	-.6	7.7	19.1	---	---
15	4.3	1.0	-15.9	-3.8	-1.4	-5.9	-.6	-1.9	2.5	18.7	---	---
16	.0	-.6	-15.1	-9.8	.0	-12.2	-5.6	-.3	12.5	16.8	---	---
17	-3.5	-.4	-15.7	-10.7	-5.1	-2.5	-4.8	.2	8.0	18.0	---	---
18	8.1	-1.3	-2.4	-7.9	-9.0	-.6	-7.1	-1.5	16.2	16.2	---	---
19	-3.1	.0	-13.9	-9.0	-7.8	-4.3	-.1	-1.5	6.6	13.2	---	---
20	-8.4	-12.1	-23.5	-11.9	-5.1	-9.7	-2.2	-2.8	3.1	11.0	---	---
21	-5.6	-12.7	-27.2	-15.4	-4.2	-6.1	-2.3	-.8	4.0	15.3	---	---
22	-2.2	-7.8	-27.7	-15.1	-.7	-11.4	-3.5	.1	4.0	9.9	---	---
23	-1.0	-7.0	-26.7	-12.6	-3.2	-1.5	-3.6	1.4	13.5	14.1	---	---
24	-.6	-5.0	-22.0	-9.8	-8.1	-1.6	2.3	7.5	11.0	12.9	---	---
25	1.6	2.5	-16.8	-13.8	-9.3	-5.2	-2.2	5.4	6.6	19.1	---	---
26	2.1	-15.4	-15.5	-12.7	-8.2	-6.9	-2.6	8.2	7.8	17.0	---	8.7
27	.1	-17.5	-15.7	-11.3	-3.1	-7.1	-3.7	3.4	9.9	19.5	---	8.4
28	12.9	-14.6	-4.2	-8.3	-1.7	-9.0	-7.1	-1.2	9.1	13.2	---	6.6
29	11.3	-10.7	-21.6	-19.0	---	-5.7	-3.9	3.7	5.2	12.0	---	4.8
30	8.7	-7.7	-21.8	-14.2	---	-7.0	-6.0	.3	2.0	16.6	---	3.5
31	5.3	---	-14.0	-9.9	---	-5.2	---	-.1	---	---	---	---
MIN	-8.4	-17.5	-27.7	-19.0	-9.3	-12.2	-9.0	-5.8	2.0	---	---	---
CAL YR 1990	MIN -27.7											

3 SPRINGS BASIN

3 SPRINGS CREEK NEAR WARM SPRINGS, NV

DAILY MEAN SOIL TEMPERATURE, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	6.9	1.5	.5	.6	6.7	9.2	11.5	19.1	24.3	22.9	19.8
2	---	6.5	1.5	.5	.5	6.8	7.7	12.2	19.3	24.8	23.6	19.9
3	---	6.7	1.5	.6	.6	6.7	6.8	12.7	18.7	25.2	24.2	20.0
4	---	7.0	1.5	.6	.6	6.9	6.9	12.1	18.8	25.5	24.5	20.1
5	---	7.3	1.5	.6	.6	6.8	7.4	10.7	19.1	24.8	24.6	20.3
6	---	6.8	1.4	.6	.6	6.8	7.1	10.4	19.6	24.4	24.4	20.8
7	---	6.2	1.4	.6	.6	6.5	5.8	9.6	19.9	24.5	24.9	21.3
8	---	6.7	1.3	.6	.6	6.1	4.7	9.3	19.9	24.2	25.1	21.3
9	---	6.0	1.3	.5	.6	4.7	5.6	9.3	19.4	24.3	25.4	20.9
10	---	4.6	1.2	.4	.6	4.0	6.7	10.4	19.4	24.2	24.4	20.0
11	8.0	3.9	1.1	.4	.6	3.3	7.3	10.6	19.7	24.5	22.2	19.3
12	8.5	3.3	1.1	.4	.5	3.4	8.1	11.3	20.2	25.1	22.7	19.2
13	8.0	3.0	1.0	.4	.6	3.0	7.3	11.7	19.8	25.5	22.4	19.0
14	7.2	2.7	1.0	.4	.6	2.6	7.3	12.1	20.2	25.6	22.8	18.7
15	6.8	2.5	1.0	.4	.6	2.8	7.9	12.8	20.6	25.0	23.7	18.4
16	7.0	2.4	.9	.4	.6	2.5	7.7	13.0	21.1	21.3	24.0	18.0
17	7.4	2.2	.9	.4	.7	2.3	7.0	13.0	21.6	21.1	24.1	17.7
18	7.7	2.1	.9	.4	.7	2.2	7.0	13.4	22.0	21.6	23.9	17.6
19	8.3	2.0	.9	.5	.5	2.1	7.4	14.6	22.0	22.1	23.3	17.3
20	9.1	1.8	.8	.5	.6	3.0	8.5	15.5	21.9	22.5	23.4	16.8
21	9.2	1.7	.8	.6	.8	4.4	9.7	15.8	22.0	21.8	21.9	16.0
22	7.3	1.6	.8	.6	1.1	5.5	10.7	15.1	22.3	19.7	21.1	15.6
23	6.2	1.5	.7	.6	1.7	6.3	10.8	14.8	22.6	18.5	20.8	15.7
24	7.1	1.5	.6	.6	2.7	6.7	10.3	15.3	22.9	18.2	21.6	14.9
25	7.7	1.5	.6	.6	4.1	6.9	10.1	15.9	23.4	18.4	21.5	13.9
26	7.8	1.5	.6	.6	5.2	7.3	9.5	17.0	23.6	19.2	20.2	12.1
27	7.6	1.5	.5	.5	5.8	7.9	9.1	17.9	24.0	19.9	19.9	11.8
28	8.1	1.4	.4	.5	6.2	8.1	10.2	18.3	24.2	20.8	18.7	11.5
29	7.9	1.4	.4	.5	---	8.3	10.9	17.8	23.8	21.3	19.4	11.3
30	8.1	1.4	.4	.6	---	8.8	10.9	18.4	24.0	21.6	20.1	11.7
31	7.9	---	.4	.6	---	9.2	---	18.8	---	22.2	20.1	---
MEAN	---	3.5	1.0	.5	1.4	5.4	8.2	13.6	21.2	22.6	22.6	17.4
MAX	---	7.3	1.5	.6	6.2	9.2	10.9	18.8	24.2	25.6	25.4	21.3
MIN	---	1.4	.4	.4	.5	2.1	4.7	9.3	18.7	18.2	18.7	11.3
MED	---	2.4	.9	.5	.6	6.3	7.7	13.0	20.8	22.5	22.9	18.2

3 SPRINGS BASIN

3 SPRINGS CREEK NEAR WARM SPRINGS, NV

DAILY MEAN SOIL TEMPERATURE, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.9	8.1	.9	-1.2	.3	.3	5.9	11.9	13.6	e19.3	22.8	21.1
2	10.5	7.4	.6	-1.0	.4	.3	6.9	11.5	14.2	e19.8	23.4	21.0
3	9.7	7.2	.5	-1.0	.5	.3	7.3	11.6	14.8	e20.4	23.5	20.7
4	9.9	7.2	.5	-.8	.5	.4	6.3	12.1	15.5	e20.9	23.3	20.7
5	10.2	7.0	.7	-.6	.4	.4	6.0	12.6	15.7	e21.0	23.2	20.2
6	10.6	6.7	1.0	-.4	.3	.4	6.7	13.2	15.1	e21.0	23.8	20.2
7	11.0	4.9	1.2	-.3	.3	.4	7.5	13.5	14.4	e21.2	24.1	18.5
8	11.1	4.1	.9	-.3	.4	.4	7.8	12.9	14.7	22.2	23.5	18.3
9	11.0	3.5	.4	-.3	.5	.5	8.5	12.4	14.1	22.7	22.5	18.5
10	10.9	3.2	-.3	-.3	.5	.8	9.2	12.5	14.9	23.0	22.7	18.7
11	10.9	3.2	-.9	-.4	.6	1.5	9.4	12.6	15.6	22.9	23.3	18.5
12	10.1	3.3	-1.2	-.5	.7	2.9	9.1	13.1	16.2	22.6	23.3	18.9
13	9.6	3.4	-1.3	-.5	.8	4.0	9.1	13.4	16.6	22.4	22.0	18.4
14	9.5	4.0	-1.2	-.4	.8	4.0	9.8	13.6	16.2	22.1	21.5	e18.0
15	9.6	4.7	-1.3	-.5	.9	3.6	10.3	13.5	16.7	21.8	20.5	e17.5
16	9.8	4.7	-1.2	-.6	1.0	2.7	10.9	12.8	16.7	20.9	20.2	e17.0
17	10.2	4.9	-1.2	-.7	1.0	2.3	11.9	12.4	17.0	19.5	20.7	e16.5
18	9.4	5.6	-1.4	-.7	.9	2.6	12.4	12.7	17.4	18.7	21.4	e16.5
19	7.8	5.5	-1.1	-.8	.9	2.9	11.4	13.1	17.6	18.7	22.0	e16.5
20	7.0	4.9	-.7	-.8	.8	2.6	10.7	13.2	18.0	18.2	22.1	e16.5
21	7.3	4.9	-.5	-.9	.7	2.5	10.9	12.4	18.5	17.7	22.3	e16.5
22	7.5	4.0	-.5	-.9	.6	2.0	11.4	11.2	18.6	18.1	22.6	e16.5
23	7.6	2.9	-.5	-.8	.5	1.9	12.1	11.2	18.5	18.9	22.6	e16.0
24	7.8	2.5	-.4	-.6	.5	2.1	12.3	11.9	18.9	19.9	22.5	e15.5
25	8.1	2.4	-.5	-.5	.5	2.9	12.7	11.8	19.3	20.9	21.9	e15.5
26	8.3	1.9	-.6	-.4	.5	3.5	13.2	10.3	19.3	21.5	21.4	e16.0
27	8.9	1.5	-.6	-.2	.5	4.0	13.0	9.4	19.3	22.0	21.2	e16.0
28	9.2	1.9	-.6	-.1	.4	3.9	12.4	10.6	19.7	21.0	20.9	e16.0
29	9.4	2.3	-.6	.1	---	3.9	11.9	11.0	19.4	21.4	20.8	e16.0
30	9.9	1.6	-.7	.2	---	4.1	11.6	11.8	18.7	21.9	20.7	e16.3
31	9.4	---	-1.1	.3	---	4.9	---	12.7	---	22.3	20.9	---
MEAN	9.5	4.3	-.4	-.5	.6	2.2	10.0	12.2	16.8	20.8	22.2	17.7
MAX	11.9	8.1	1.2	.3	1.0	4.9	13.2	13.6	19.7	23.0	24.1	21.1
MIN	7.0	1.5	-1.4	-1.2	.3	.3	5.9	9.4	13.6	17.7	20.2	15.5
MED	9.6	4.1	-.6	-.5	.5	2.5	10.5	12.4	16.7	21.0	22.3	17.2
CAL YR 1986	MEAN 10.6	MAX 25.6	MIN -1.4	MED 9.3								
WTR YR 1987	MEAN 9.7	MAX 24.1	MIN -1.4	MED 9.8								

e Estimated

3 SPRINGS BASIN

3 SPRINGS CREEK NEAR WARM SPRINGS, NV

DAILY MEAN SOIL TEMPERATURE, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.4	8.8	2.4	1.3	.7	1.6	6.6	8.7	14.5	24.9	22.2	20.6
2	16.3	8.8	2.3	1.3	.6	1.2	7.8	8.2	16.2	25.6	23.7	20.9
3	16.4	8.2	2.3	1.3	.6	1.3	8.9	9.7	18.0	26.4	23.8	21.0
4	16.2	8.0	2.3	1.3	.5	2.3	9.9	9.2	18.8	26.5	23.4	21.5
5	16.2	8.1	2.3	1.3	.4	3.0	9.5	8.9	18.4	26.3	21.7	21.7
6	16.1	6.9	2.4	1.3	.4	3.4	10.2	7.2	17.5	26.6	21.2	22.0
7	16.2	6.4	2.5	1.3	.3	3.3	10.6	5.0	16.6	26.9	21.5	21.6
8	16.2	6.3	2.4	1.3	.3	3.1	9.8	6.2	16.6	27.3	21.2	22.5
9	16.0	6.3	2.4	.9	.4	3.5	9.2	8.7	17.8	27.3	21.2	21.6
10	16.0	6.4	2.4	.6	.4	2.5	9.9	10.5	19.0	27.3	22.0	19.3
11	15.6	6.7	2.4	.7	.4	1.5	10.7	12.2	19.2	27.5	22.5	18.2
12	15.4	6.8	2.4	.7	.4	1.5	11.4	13.6	19.3	27.8	22.2	17.5
13	13.5	7.0	2.1	.6	.4	1.8	12.0	14.4	20.0	27.9	22.4	16.8
14	12.9	6.8	1.7	.6	.4	2.4	10.4	14.5	20.6	28.3	22.7	17.3
15	11.8	5.7	1.4	.6	.4	2.5	6.6	15.3	21.3	28.8	22.9	17.9
16	11.2	5.3	1.2	.6	.4	2.5	6.1	15.6	22.1	29.1	22.7	19.2
17	10.8	5.4	1.2	.6	.3	3.0	7.9	14.7	21.2	29.0	23.0	19.4
18	10.6	5.1	1.2	.6	.3	3.8	8.0	14.3	19.8	28.6	23.2	18.1
19	10.2	4.6	1.3	.6	.1	4.7	8.4	14.5	19.8	28.2	23.2	17.0
20	9.7	4.1	1.3	.6	.1	5.7	7.0	14.7	19.6	27.3	22.9	18.1
21	9.7	4.1	1.3	.6	.2	6.2	5.3	15.3	19.9	26.7	22.5	16.2
22	10.2	4.0	1.3	.6	.2	6.4	5.7	16.3	19.6	26.3	21.2	15.4
23	14.3	3.7	1.4	.6	.2	7.4	5.0	16.5	19.6	24.6	20.7	15.3
24	13.2	3.5	1.4	.6	.5	7.5	5.4	17.0	19.8	24.1	21.2	15.9
25	11.3	3.4	1.4	.6	.6	7.9	7.4	17.6	19.9	23.6	20.8	16.1
26	10.7	3.2	1.4	.6	.8	8.6	8.5	17.9	20.5	23.6	20.7	16.5
27	11.5	3.0	1.3	.6	.8	8.8	9.6	18.2	22.1	24.2	20.7	16.2
28	10.6	2.8	1.3	.6	1.9	7.1	10.6	17.6	23.8	24.3	20.7	15.5
29	10.9	2.7	1.3	.6	1.6	6.5	11.1	13.5	24.5	24.5	20.4	15.3
30	9.2	2.5	1.3	.7	---	7.0	10.6	10.7	24.4	24.4	20.3	15.6
31	8.6	---	1.3	.7	---	6.0	---	12.5	---	22.8	20.4	---
MEAN	13.0	5.5	1.8	.8	.5	4.3	8.7	12.9	19.7	26.3	21.9	18.3
MAX	16.4	8.8	2.5	1.3	1.9	8.8	12.0	18.2	24.5	29.1	23.8	22.5
MIN	8.6	2.5	1.2	.6	.1	1.2	5.0	5.0	14.5	22.8	20.3	15.3
MED	12.9	5.5	1.4	.6	.4	3.4	9.0	14.3	19.7	26.6	22.0	18.0
CAL YR 1987	MEAN 10.2	MAX 24.1	MIN -1.2	MED 10.9								
WTR YR 1988	MEAN 11.2	MAX 29.1	MIN .1	MED 9.7								

3 SPRINGS BASIN

3 SPRINGS CREEK NEAR WARM SPRINGS, NV

DAILY MEAN SOIL TEMPERATURE, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15.8	11.4	-1.5	-1.5	-1.1	.5	9.6	12.7	14.8	21.4	25.6	21.5
2	16.2	11.3	-1.7	-1.7	-.8	.6	10.1	13.7	16.0	22.3	25.3	21.8
3	16.4	11.3	-2.0	-1.8	-.7	.6	10.3	14.5	15.8	22.8	25.2	21.9
4	16.2	11.4	-2.2	-1.7	-.7	.5	10.5	15.3	14.8	23.4	25.2	21.5
5	16.3	10.7	-2.5	-1.4	-.7	.5	10.9	15.8	14.1	23.6	25.1	21.8
6	15.2	11.2	-2.5	-1.3	-.7	1.5	11.7	16.3	14.9	23.9	25.2	21.5
7	13.5	9.7	-2.1	-1.2	-.8	3.9	12.5	16.7	16.0	23.8	25.1	21.3
8	13.4	8.8	-2.4	-1.3	-1.0	5.0	13.1	17.2	15.7	23.9	23.8	20.7
9	13.3	8.1	-3.0	-1.4	-1.2	5.6	13.3	16.8	15.7	24.1	21.9	20.4
10	12.9	8.2	-2.8	-1.2	-1.1	6.2	13.5	15.5	15.3	23.9	21.4	20.1
11	12.3	7.2	-2.8	-1.1	-.9	6.4	13.8	12.8	15.9	23.6	21.4	19.7
12	12.7	6.9	-2.7	-1.1	-.8	7.3	13.2	9.5	16.2	23.1	21.4	19.3
13	13.0	7.5	-2.0	-1.3	-.7	6.9	12.9	7.8	17.2	23.0	21.9	19.2
14	13.2	7.3	-1.5	-1.5	-.7	6.0	13.5	6.2	18.2	22.9	22.7	17.8
15	12.2	5.7	-2.1	-1.7	-.6	5.6	14.6	7.2	19.8	23.8	23.1	18.0
16	12.4	4.6	-2.1	-1.8	-.7	5.7	14.6	9.2	20.4	24.1	23.4	17.4
17	12.6	3.9	-2.1	-1.8	-.6	5.2	15.6	10.5	20.4	24.4	23.3	17.0
18	12.8	3.4	-1.6	-1.8	-.6	5.1	16.1	12.3	21.0	24.9	22.9	15.8
19	13.2	2.7	-1.4	-1.7	-.4	5.3	16.4	12.7	21.9	25.1	22.9	14.8
20	12.7	2.0	-1.5	-1.6	-.3	5.3	16.8	13.2	22.0	25.6	22.5	14.4
21	12.2	1.4	-1.2	-1.5	-.2	5.5	16.9	14.5	21.2	25.3	21.9	15.1
22	12.4	1.8	-1.2	-1.4	-.1	6.9	16.1	15.3	20.6	24.5	22.3	15.3
23	12.0	2.2	-1.2	-1.2	.0	7.3	15.4	15.7	20.8	24.5	22.4	15.7
24	11.8	1.9	-1.2	-1.1	.1	7.6	14.3	15.2	20.0	24.0	21.6	16.2
25	11.5	1.3	-1.1	-1.3	.2	7.5	12.1	15.2	18.9	22.5	20.6	16.5
26	11.3	1.1	-1.0	-1.7	.2	6.3	11.7	15.3	19.0	22.7	20.9	16.9
27	11.1	.8	-1.1	-1.9	.3	6.6	10.4	16.3	19.9	23.6	21.6	17.1
28	11.6	.5	-1.3	-2.0	.4	8.0	9.5	16.9	20.0	24.4	21.7	17.3
29	12.0	.1	-1.5	-2.0	---	8.7	10.4	16.3	20.5	24.9	22.0	17.2
30	11.3	-.8	-1.7	-1.8	---	8.5	11.3	14.7	20.9	25.3	22.1	17.1
31	10.6	---	-1.6	-1.5	---	9.0	---	13.8	---	25.6	21.6	---
MEAN	13.0	5.5	-1.8	-1.5	-.5	5.3	13.0	13.7	18.3	23.9	22.8	18.3
MAX	16.4	11.4	-1.0	-1.1	.4	9.0	16.9	17.2	22.0	25.6	25.6	21.9
MIN	10.6	-.8	-3.0	-2.0	-1.2	.5	9.5	6.2	14.1	21.4	20.6	14.4
MED	12.7	5.1	-1.7	-1.5	-.7	5.7	13.1	14.7	19.0	23.9	22.4	17.6
CAL YR 1988	MEAN 10.9	MAX 29.1	MIN -3.0	MED 10.6								
WTR YR 1989	MEAN 10.9	MAX 25.6	MIN -3.0	MED 12.4								

3 SPRINGS BASIN

3 SPRINGS CREEK NEAR WARM SPRINGS, NV

DAILY MEAN SOIL TEMPERATURE, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15.7	4.1	-1.7	-2.0	-1.2	.6	8.4	12.2	16.4	30.7	29.1	22.8
2	15.7	3.6	-1.9	-1.5	-1.1	1.5	9.3	12.7	17.9	31.1	28.7	23.3
3	14.4	3.9	-1.9	-2.3	-1.3	3.3	10.0	13.4	20.5	30.1	28.9	23.5
4	12.9	5.0	-1.3	-3.4	-1.3	3.8	9.7	14.5	21.7	30.3	28.7	23.5
5	12.6	5.7	-.4	-3.7	-1.1	2.5	9.8	15.4	22.3	30.9	28.9	22.7
6	12.8	5.7	.4	-3.8	-.9	1.6	10.5	16.7	22.3	31.4	29.3	21.2
7	12.9	5.0	-.8	-2.9	-.6	1.5	9.6	17.4	22.6	31.7	29.5	20.4
8	12.7	4.0	-.6	-1.0	-.5	2.1	7.9	17.3	23.1	31.5	29.3	21.3
9	12.9	4.3	-.2	-.3	-.5	3.4	7.8	16.3	22.6	31.3	28.6	22.5
10	13.2	5.1	-.8	-.2	-.4	3.9	8.9	16.6	20.0	30.0	28.8	23.3
11	14.1	5.7	-2.8	-.1	.0	2.7	10.3	16.9	18.1	28.2	27.1	23.4
12	14.4	6.9	-3.6	.5	.3	1.8	10.8	16.7	19.6	28.4	25.8	24.0
13	14.8	6.6	-2.8	.9	.5	1.5	11.8	17.4	20.3	29.4	24.9	24.4
14	14.9	6.5	-3.3	.8	.5	1.3	12.9	17.4	20.6	28.9	25.2	25.1
15	13.4	4.5	-2.8	-.2	.1	1.4	13.8	17.4	18.8	25.2	23.0	25.1
16	12.4	4.5	-2.2	-1.1	-.2	1.9	13.2	17.2	18.5	22.8	20.1	24.0
17	11.7	4.7	-3.1	-.7	-.3	3.0	12.1	18.2	20.5	21.8	20.0	23.0
18	11.5	4.2	-2.9	-.4	-.2	4.3	11.1	18.4	21.9	23.3	20.7	22.1
19	11.4	4.0	-3.3	-.3	-.1	5.2	10.4	18.3	22.6	24.0	20.9	19.8
20	12.3	4.5	-3.6	-.5	-.1	6.8	10.7	17.7	23.2	25.1	19.6	19.2
21	12.2	4.7	-3.2	-.8	-.1	7.1	10.4	19.4	24.2	25.8	20.2	18.7
22	11.6	4.2	-3.2	-.9	.0	7.5	11.0	20.5	25.5	25.9	20.7	17.3
23	12.1	4.4	-2.7	-.9	.2	7.5	11.4	20.8	26.5	26.9	21.2	15.7
24	11.4	5.3	-2.4	-.8	.3	7.4	10.5	19.3	26.9	26.9	22.0	13.3
25	9.7	4.3	-2.5	-1.1	.4	7.8	10.9	18.0	27.4	26.3	21.8	13.3
26	7.4	4.2	-2.6	-1.0	.4	8.6	12.8	19.3	28.0	26.1	21.3	13.4
27	7.1	1.1	-2.0	-1.3	.5	8.6	13.8	19.0	27.9	25.9	21.5	13.6
28	6.7	-.9	-1.5	-1.8	.5	7.3	14.7	15.4	28.1	27.0	21.6	12.9
29	5.2	-1.5	-1.0	-1.5	---	6.6	13.1	14.7	28.8	27.9	22.4	14.0
30	4.6	-1.5	-2.3	-1.2	---	7.3	12.7	15.5	29.4	28.4	23.4	14.0
31	4.3	---	-2.5	-1.1	---	7.7	---	15.3	---	28.7	23.0	---
MEAN	11.6	4.1	-2.1	-1.1	-.2	4.4	11.0	16.9	22.9	27.8	24.4	20.0
MAX	15.7	6.9	.4	.9	.5	8.6	14.7	20.8	29.4	31.7	29.5	25.1
MIN	4.3	-1.5	-3.6	-3.8	-1.3	.6	7.8	12.2	16.4	21.8	19.6	12.9
MED	12.4	4.4	-2.4	-1.0	-.1	3.8	10.7	17.3	22.4	28.2	23.0	21.7
CAL YR 1989	MEAN 10.6	MAX 25.6	MIN -3.6	MED 12.2								
WTR YR 1990	MEAN 11.7	MAX 31.7	MIN -3.8	MED 11.7								

3 SPRINGS BASIN

3 SPRINGS CREEK NEAR WARM SPRINGS, NV

DAILY MEAN SOIL TEMPERATURE, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.4	7.3	-1.8	-6.5	-4.2	1.5	1.2	10.8	12.8	20.4	e23.9	e26.2
2	15.0	4.5	-2.0	-6.0	-3.6	1.1	2.7	9.0	13.3	21.7	e23.6	e26.4
3	14.1	3.1	-2.6	-5.1	-3.7	1.0	4.0	7.6	14.5	22.8	e23.4	e26.1
4	14.1	3.3	-2.3	-4.0	-1.9	.9	5.3	8.9	15.8	23.6	e23.1	e25.3
5	15.4	4.9	-1.7	-3.7	-1.0	1.7	6.7	10.5	16.9	24.5	e22.9	e24.9
6	15.2	3.5	-2.5	-4.0	-.7	1.2	7.5	12.2	17.5	24.8	e23.4	e24.1
7	14.4	2.3	-3.4	-3.8	-.5	1.5	6.8	13.0	18.1	24.6	e23.6	e23.2
8	11.5	3.3	-3.5	-3.2	-.5	1.6	5.9	14.3	18.3	22.5	e24.0	e22.7
9	10.7	4.0	-3.4	-3.3	-.5	1.2	6.3	11.1	18.3	21.2	e24.6	e22.4
10	10.9	3.5	-2.7	-3.5	-.5	1.7	6.5	8.7	18.5	21.5	e25.1	e21.1
11	11.1	3.6	-1.2	-3.3	-.4	1.2	5.4	8.5	19.4	21.6	e25.0	e20.2
12	10.5	4.3	-.7	-2.8	-.3	.8	4.9	10.1	20.5	23.2	e24.2	e20.0
13	11.5	4.7	-.6	-2.6	.1	.7	5.9	10.9	21.1	24.4	e24.3	e20.3
14	11.6	6.4	-1.2	-2.5	.6	.7	6.7	9.1	20.8	24.8	e25.0	e21.0
15	12.6	6.3	-2.5	-2.1	1.2	.7	7.8	9.7	20.1	25.0	e25.4	e21.1
16	13.1	5.4	-2.7	-1.7	2.3	.6	7.9	11.5	21.0	24.8	e25.9	e20.6
17	11.3	6.2	-3.7	-2.8	.8	.6	7.9	12.4	21.1	24.7	e26.1	e20.6
18	11.3	5.5	-3.3	-2.7	.1	.6	8.1	11.6	20.9	24.9	e26.2	e21.4
19	9.1	5.1	-3.3	-2.4	.1	.6	9.3	11.8	20.9	24.8	e26.1	e22.0
20	6.2	4.2	-3.6	-2.4	.6	.6	9.0	12.2	20.4	24.3	e26.5	e21.9
21	5.5	2.4	-4.9	-4.0	1.3	.6	8.7	11.4	19.7	24.2	e26.8	e22.7
22	6.1	1.2	-6.0	-5.4	3.0	.6	7.5	10.4	19.9	23.6	e27.2	e22.7
23	6.8	.7	-6.7	-5.3	3.2	.6	7.2	12.1	20.9	24.1	e27.8	e22.7
24	7.4	.6	-6.9	-4.9	2.8	.6	8.8	13.9	21.0	25.0	e28.3	e22.7
25	7.9	.8	-6.5	-5.0	2.2	.6	8.4	14.9	20.4	25.5	e28.4	e20.5
26	8.5	1.0	-6.1	-5.2	2.4	.5	8.4	16.0	20.4	25.7	e28.3	16.0
27	8.0	.2	-6.2	-5.1	2.8	.5	8.9	15.4	18.5	25.6	e27.5	15.2
28	9.4	-1.1	-5.2	-4.6	2.4	.5	8.7	15.0	17.7	24.8	e26.2	15.0
29	9.5	-1.6	-5.6	-5.5	---	.5	9.5	15.9	18.5	24.4	e26.5	14.0
30	9.5	-1.2	-7.4	-6.1	---	.7	9.8	15.1	19.0	24.5	e27.0	13.6
31	9.6	---	-7.0	-5.0	---	1.4	---	13.1	---	e24.6	e26.6	---
MEAN	10.7	3.1	-3.8	-4.0	.3	.9	7.1	11.8	18.9	23.9	25.6	21.2
MAX	15.4	7.3	-.6	-1.7	3.2	1.7	9.8	16.0	21.1	25.7	28.4	26.4
MIN	5.5	-1.6	-7.4	-6.5	-4.2	.5	1.2	7.6	12.8	20.4	22.9	13.6
MED	10.9	3.5	-3.4	-4.0	.1	.7	7.5	11.6	19.5	24.5	25.9	21.7
CAL YR 1990	MEAN 11.4	MAX 31.7	MIN -7.4	MED 10.9								
WTR YR 1991	MEAN 9.7	MAX 28.4	MIN -7.4	MED 8.5								

e Estimated

3 SPRINGS BASIN

3 SPRINGS CREEK NEAR WARM SPRINGS, NV

DAILY TOTAL SOLAR RADIATION, INCIDENTAL, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
CALORIES PER SQUARE CENTIMETER

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e485	318	167	195	258	359	394	621	741	741	731	597
2	e480	317	60	218	211	166	550	690	455	721	724	609
3	e475	327	206	202	244	414	532	677	579	705	716	612
4	e470	178	216	56	204	412	541	663	653	622	713	589
5	e466	306	157	142	289	443	473	542	761	682	574	553
6	e461	301	204	222	203	413	249	438	765	761	697	581
7	e456	299	190	228	237	302	164	617	707	684	700	599
8	e451	287	187	196	52	65	349	510	717	765	705	537
9	e447	294	187	210	178	410	486	722	771	703	681	555
10	e443	235	52	232	335	149	352	543	770	693	335	583
11	420	9	69	228	213	390	549	726	774	744	616	544
12	257	12	141	240	162	323	444	681	643	720	415	498
13	420	36	191	230	137	188	631	665	647	726	577	455
14	417	38	220	125	52	347	556	599	734	626	651	561
15	411	283	214	192	50	262	477	673	722	392	654	561
16	406	235	214	161	254	146	456	740	773	738	678	519
17	399	214	215	215	193	360	456	722	786	740	678	424
18	393	270	215	249	70	519	640	743	767	742	351	454
19	384	263	215	219	156	521	654	723	768	753	591	432
20	281	236	217	262	379	509	633	681	770	545	380	525
21	140	266	219	161	392	522	562	715	773	285	509	531
22	267	256	220	141	315	537	586	726	773	227	465	517
23	365	132	215	241	385	452	462	660	688	385	637	319
24	361	105	212	264	404	418	412	721	707	480	562	330
25	356	124	209	279	414	541	615	743	765	712	324	245
26	354	248	216	280	413	545	599	738	743	640	495	491
27	343	220	210	284	415	557	667	729	689	728	160	322
28	273	84	212	260	425	340	639	477	604	744	538	405
29	333	48	142	253	---	306	686	707	774	728	620	477
30	286	214	93	35	---	465	647	758	766	732	626	474
31	330	---	147	175	---	368	---	710	---	737	533	---
TOTAL	11830	6155	5632	6395	7040	11749	15461	20660	21585	20201	17636	14899
WTR YR 1986	TOTAL 159243											

e Estimated

3 SPRINGS BASIN

3 SPRINGS CREEK NEAR WARM SPRINGS, NV

DAILY TOTAL SOLAR RADIATION, INCIDENTAL, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
CALORIES PER SQUARE CENTIMETER

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	227	324	239	163	309	436	601	563	764	e776	722	403
2	96	321	239	200	149	430	603	637	764	e775	714	359
3	425	312	234	183	150	440	189	699	763	e774	535	482
4	456	317	73	66	320	416	108	711	647	e773	389	348
5	453	315	117	16	325	110	333	709	486	e772	608	482
6	439	191	113	17	325	115	599	689	270	e771	603	332
7	362	253	224	15	242	120	486	408	708	e770	639	440
8	319	304	221	33	213	290	531	436	406	730	536	534
9	333	297	223	32	143	219	623	379	690	687	681	486
10	337	294	221	225	167	304	481	496	688	657	683	443
11	430	293	226	248	134	457	448	447	735	556	617	571
12	431	292	226	250	184	421	628	536	771	559	477	495
13	427	288	163	238	106	493	640	566	480	561	621	454
14	426	272	211	252	359	320	516	451	700	503	499	387
15	419	277	190	178	304	270	556	265	778	281	667	536
16	403	238	190	227	354	399	652	194	774	248	686	532
17	326	251	213	253	382	491	652	450	778	578	679	536
18	88	116	121	259	190	349	592	657	767	738	683	539
19	59	241	60	157	290	248	657	688	762	454	551	540
20	307	261	59	265	390	445	671	524	753	301	492	533
21	375	249	210	272	387	133	681	430	750	690	658	515
22	370	197	194	189	393	474	687	489	771	741	633	519
23	251	238	190	210	82	266	580	667	743	744	628	341
24	348	253	191	248	324	368	574	605	769	750	596	350
25	360	249	215	270	126	487	617	439	564	751	527	496
26	309	246	200	292	421	539	498	175	539	726	639	498
27	357	199	236	227	426	568	510	615	642	423	436	e503
28	278	186	222	269	413	575	350	454	564	644	434	e499
29	325	191	167	230	---	585	234	567	411	704	457	e494
30	288	241	223	131	---	586	639	662	620	723	490	e489
31	315	---	157	301	---	565	---	754	---	728	542	---
TOTAL	10339	7706	5768	5916	7608	11919	15936	16362	19857	19888	18122	14136
CAL YR 1986	TOTAL 159439											
WTR YR 1987	TOTAL 153557											

e Estimated

3 SPRINGS BASIN

3 SPRINGS CREEK NEAR WARM SPRINGS, NV

DAILY TOTAL SOLAR RADIATION, INCIDENTAL, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
CALORIES PER SQUARE CENTIMETER

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	478	e334	e244	e234	152	306	592	581	597	619	e732	e623
2	490	87	e243	e235	150	166	577	650	742	434	e729	e619
3	421	129	e241	e237	304	417	461	665	776	e774	e726	e615
4	458	196	e239	e238	317	371	560	227	744	e773	e722	e607
5	450	57	39	e239	321	340	610	631	787	e772	e719	e603
6	445	66	157	e240	319	307	474	638	788	e771	e716	e599
7	445	285	e236	e241	316	454	414	373	628	e770	e713	e595
8	430	292	e235	e243	324	422	619	669	787	e770	e709	e590
9	419	234	143	e244	317	386	647	615	792	e769	e706	e586
10	422	279	e233	e246	333	294	645	663	709	e768	e703	e582
11	426	e294	109	e246	338	350	625	682	648	e767	e700	e577
12	149	e291	e232	e248	346	490	580	741	689	e766	e696	e572
13	316	e287	166	e250	347	499	409	746	781	e765	e693	e567
14	411	131	e232	e252	343	489	185	749	680	e764	e689	e562
15	411	160	e232	e255	260	401	55	750	761	e763	e686	e557
16	401	e277	e232	e258	324	470	155	642	761	e762	e682	e552
17	396	125	10	e260	365	522	313	393	353	e761	e679	e547
18	399	268	e232	e263	212	521	459	674	589	e761	e675	e542
19	388	271	e232	e266	377	532	237	761	411	e760	e672	e537
20	384	157	e232	e269	388	533	166	769	553	e759	e668	e532
21	305	215	e232	e272	365	445	372	762	584	e758	e665	e527
22	156	147	e233	e274	404	531	405	688	397	e756	e661	e523
23	203	239	e234	e277	381	524	319	593	589	e755	e657	547
24	148	247	e234	e280	403	545	631	727	210	e753	e653	547
25	330	155	e235	e283	408	557	691	755	15	e751	e650	543
26	351	90	e236	250	336	571	672	730	379	e749	e646	534
27	240	55	e237	224	124	566	531	745	671	e746	e642	500
28	e352	96	e237	154	211	571	653	584	213	e743	e638	518
29	e347	74	e238	266	247	563	708	225	22	e741	e634	519
30	e343	e246	e239	291	---	447	401	501	461	e738	e631	516
31	e338	---	e240	271	---	589	---	614	---	e735	e627	---
TOTAL	11252	5784	6514	7806	9032	14179	14166	19543	17117	23073	21119	16838

CAL YR 1987 TOTAL 153294

WTR YR 1988 TOTAL 166423

e Estimated

3 SPRINGS BASIN

3 SPRINGS CREEK NEAR WARM SPRINGS, NV

DAILY TOTAL SOLAR RADIATION, INCIDENTAL, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
CALORIES PER SQUARE CENTIMETER

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	509	340	249	234	238	441	572	734	799	819	761	642
2	502	307	248	238	249	71	485	674	802	823	746	655
3	415	329	191	242	170	418	631	652	301	827	753	648
4	483	330	220	79	34	345	640	680	579	824	653	647
5	395	325	229	25	61	398	649	657	515	821	745	642
6	256	324	168	210	71	358	658	505	728	820	603	639
7	472	171	141	174	85	378	661	649	520	653	570	612
8	468	201	236	250	29	181	668	677	537	600	435	610
9	419	292	231	256	13	448	655	367	411	592	334	605
10	269	196	241	220	160	308	662	440	567	804	595	487
11	270	283	234	231	207	470	664	52	582	426	611	419
12	379	299	229	257	179	516	671	545	760	595	595	600
13	411	273	227	214	211	510	676	31	592	532	694	532
14	266	50	231	251	372	520	627	269	805	706	714	594
15	434	296	25	263	380	474	662	470	819	798	715	590
16	431	269	148	268	334	396	627	583	798	797	722	309
17	423	122	150	271	327	522	641	770	818	790	720	259
18	420	264	105	273	337	234	692	776	827	797	708	465
19	416	228	74	280	396	378	489	785	822	636	699	186
20	412	246	144	287	411	563	624	702	749	698	596	505
21	405	267	239	283	399	547	617	800	818	470	643	551
22	401	247	218	154	344	556	671	721	819	689	686	545
23	390	135	232	210	381	347	611	750	609	585	552	544
24	390	201	56	275	375	536	425	796	318	433	682	521
25	381	187	237	301	367	191	586	801	690	473	674	297
26	377	261	234	304	424	315	429	798	715	678	663	385
27	321	254	229	301	454	580	318	799	791	761	665	411
28	331	256	92	308	453	547	585	695	821	745	663	492
29	308	235	211	308	---	617	604	692	815	744	668	496
30	337	248	230	322	---	610	483	436	822	744	668	497
31	348	---	182	320	---	479	---	793	---	724	661	---
TOTAL	12039	7436	5881	7609	7461	13254	17983	19099	20549	21404	20194	15385
CAL YR 1988	TOTAL 168229											
WTR YR 1989	TOTAL 168294											

3 SPRINGS BASIN

3 SPRINGS CREEK NEAR WARM SPRINGS, NV

DAILY TOTAL SOLAR RADIATION, INCIDENTAL, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
CALORIES PER SQUARE CENTIMETER

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	494	343	244	85	178	266	606	725	778	715	695	631
2	391	339	242	83	316	310	476	549	771	674	610	558
3	175	324	237	232	200	417	593	732	772	783	572	549
4	471	329	232	232	35	325	330	735	767	789	508	498
5	477	321	226	235	238	140	512	739	788	794	580	416
6	468	318	232	205	249	473	321	711	777	790	728	326
7	466	258	219	150	115	436	336	753	780	771	447	380
8	461	313	154	238	326	291	184	756	780	643	610	594
9	453	306	227	239	344	463	641	720	374	757	489	599
10	412	302	230	215	342	474	589	622	411	419	529	600
11	450	302	228	237	303	193	578	675	741	581	504	600
12	441	300	215	190	269	235	647	713	800	467	414	601
13	388	284	224	47	375	438	635	672	787	477	599	589
14	308	296	221	127	334	441	551	476	753	528	571	577
15	313	189	224	207	377	518	620	735	421	423	217	592
16	415	292	210	80	300	444	404	737	749	226	654	577
17	412	262	222	9	159	302	351	630	792	577	619	340
18	411	277	213	147	264	490	302	750	739	661	604	343
19	404	276	219	260	381	436	394	577	791	624	539	278
20	346	275	192	279	355	340	302	752	726	741	656	513
21	150	270	219	281	394	532	410	727	797	604	669	277
22	339	261	218	275	419	450	572	720	797	728	653	341
23	167	252	217	268	424	567	392	727	811	746	656	182
24	308	234	197	286	342	562	609	772	782	750	650	256
25	151	182	223	235	361	536	688	725	802	752	666	456
26	366	197	216	296	385	582	693	538	802	749	662	477
27	365	250	174	296	245	542	669	437	805	748	665	381
28	354	250	202	291	368	363	592	268	809	674	658	327
29	354	247	222	276	---	558	505	521	798	742	626	433
30	355	246	223	229	---	582	630	641	705	735	640	461
31	349	---	230	309	---	602	---	628	---	740	648	---
TOTAL	11414	8295	6752	6539	8398	13308	15132	20463	22205	20408	18338	13752
CAL YR 1989	TOTAL 169399											
WTR YR 1990	TOTAL 165004											

3 SPRINGS BASIN

3 SPRINGS CREEK NEAR WARM SPRINGS, NV

DAILY TOTAL SOLAR RADIATION, INCIDENTAL, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
CALORIES PER SQUARE CENTIMETER

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	467	117	232	181	296	48	147	620	337	739	e242	e541
2	453	320	228	233	121	383	576	412	427	738	e427	e546
3	441	317	218	26	296	311	583	400	508	736	e661	e303
4	454	309	234	28	298	87	521	692	554	741	e650	e345
5	404	308	220	172	224	285	359	643	726	729	e616	e197
6	399	199	224	173	312	409	429	596	741	475	e668	e79
7	406	263	208	109	319	431	609	617	743	474	e623	e155
8	440	269	222	220	319	462	608	565	647	214	e663	e280
9	437	294	221	82	326	329	598	161	583	726	e669	e346
10	433	298	217	230	327	399	625	358	613	536	e614	e414
11	422	269	168	210	307	470	528	548	546	669	e324	e288
12	421	286	152	192	310	435	335	705	728	712	e403	e346
13	400	261	41	198	312	274	617	350	737	650	e604	e527
14	408	261	212	243	342	295	530	538	752	727	e535	e522
15	405	131	225	228	256	138	607	714	687	721	e621	e538
16	383	140	176	246	156	400	634	713	739	715	e633	e539
17	392	261	197	186	151	416	603	697	650	672	e479	e531
18	92	172	192	247	374	215	642	502	489	573	e450	e520
19	102	96	54	253	374	137	543	550	752	678	e623	e497
20	366	266	134	211	382	155	283	659	710	711	e625	e440
21	372	255	155	264	342	197	587	350	558	706	e628	e501
22	370	250	219	263	374	506	290	408	755	497	e607	e507
23	363	257	214	231	393	457	434	601	755	721	e567	e495
24	359	254	214	271	405	499	524	523	732	663	e558	e498
25	312	247	219	279	412	170	509	620	597	682	e545	e493
26	319	242	212	260	407	405	611	731	663	594	e581	317
27	347	243	216	283	232	49	680	580	142	526	e502	233
28	339	239	220	286	64	537	678	717	618	499	e605	401
29	247	239	222	291	---	558	684	633	591	449	e600	254
30	332	174	221	280	---	567	642	381	736	414	e604	432
31	320	---	218	233	---	509	---	517	---	e285	e439	---
TOTAL	11405	7237	6105	6609	8431	10533	16016	17101	18816	18972	17366	12085
CAL YR 1990	TOTAL 163290											
WTR YR 1991	TOTAL 150676											

e Estimated

3 SPRINGS BASIN

3 SPRINGS CREEK NEAR WARM SPRINGS, NV

DAILY MEAN RELATIVE HUMIDITY, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
PERCENT

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	73	42	40	28	97	71	29	87	26	---	---
2	31	54	29	40	25	59	55	74	66	19	---	---
3	38	36	49	72	48	62	42	58	31	16	---	---
4	31	38	45	99	57	92	33	37	22	13	---	---
5	25	39	39	91	45	55	19	29	22	12	---	---
6	33	52	48	85	72	59	18	24	20	16	---	---
7	52	35	39	96	55	61	20	34	18	23	---	---
8	32	58	38	91	43	47	37	22	21	62	---	---
9	26	65	30	92	37	34	29	79	27	70	---	---
10	23	30	19	84	42	27	34	64	24	41	---	---
11	27	22	26	86	35	61	41	47	21	19	---	---
12	22	23	59	80	31	44	67	36	15	20	---	---
13	19	20	74	79	53	58	61	38	16	14	---	---
14	25	20	68	64	69	76	33	79	16	13	---	---
15	20	30	58	54	51	90	33	55	17	14	---	---
16	20	44	71	61	63	76	25	32	14	14	---	---
17	24	46	75	74	54	49	34	28	16	14	---	---
18	65	49	44	88	50	39	37	62	14	15	---	---
19	87	55	65	78	54	75	22	63	17	16	---	---
20	59	71	60	64	35	94	23	45	16	17	---	---
21	47	60	66	53	26	96	44	60	16	14	---	---
22	47	63	64	52	20	72	72	69	16	16	---	---
23	51	42	53	60	32	57	59	50	15	13	---	---
24	46	31	59	39	34	39	43	38	16	14	---	---
25	34	19	59	41	34	61	52	39	19	13	---	---
26	29	56	62	44	30	62	45	18	25	13	---	55
27	26	60	58	40	36	98	30	24	28	13	---	69
28	16	62	22	25	99	61	34	24	31	16	---	78
29	18	45	36	40	---	50	29	21	38	16	---	85
30	23	40	39	35	---	54	25	49	36	20	---	69
31	24	---	47	32	---	43	---	69	---	---	---	---
MEAN	34	45	50	64	45	63	39	45	25	---	---	---
MAX	87	73	75	99	99	98	72	79	87	---	---	---
MIN	16	19	19	25	20	27	18	18	14	---	---	---
MED	29	44	49	64	43	61	34	39	20	---	---	---

3 SPRINGS BASIN

3 SPRINGS CREEK NEAR WARM SPRINGS, NV

DAILY TOTAL PRECIPITATION, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986 INCHES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	e.00	e.00	.00	.00	.00	.00	.00	.00
2	.00	.00	.20	.00	e.00	e.19	.00	.00	.00	.00	.00	.00
3	.00	.00	.00	.00	e.00	e.04	.00	.00	.00	.00	.00	.00
4	.00	.00	.00	.10	e.00	e.00	.00	.40	.00	.00	.00	.00
5	.00	.00	.00	.00	e.00	.00	.00	.00	.00	.00	.00	.00
6	1.20	.00	.00	.00	e.00	.00	.15	.00	.00	.00	.00	.00
7	.00	.00	.00	.00	e.00	.00	.40	.00	.00	.00	.00	.00
8	.60	.00	.00	.00	e.00	.80	.00	.00	.00	.00	.00	.00
9	.30	.00	.00	.00	e.00	.10	.00	.00	.00	.00	.07	.00
10	.00	.00	.15	.00	e.00	.15	.00	.00	.00	.00	.08	.00
11	.00	.65	.00	e.00	e.00	.15	.00	.00	.00	.00	.00	.00
12	.00	.35	.00	e.00	e.00	.08	.00	.00	.00	.00	.00	.00
13	.00	.00	.00	e.00	e.32	.03	.00	.00	.00	.00	.00	.00
14	.00	.00	.00	e.00	e.00	.09	.00	.00	.00	.05	.00	.00
15	.00	.00	.00	e.00	e.56	.10	.00	.00	.00	.74	.00	.00
16	.00	.00	.00	e.00	e.15	.12	.00	.00	.00	.06	.00	.00
17	.00	.00	.00	e.00	e.00	.30	.00	.00	.00	.00	.00	.00
18	.00	.00	.00	e.00	e.15	.10	.00	.00	.00	.00	.00	.00
19	.00	.00	.00	e.00	e.00	.00	.00	.00	.00	.00	.00	.00
20	.00	.00	.00	e.00	e.00	.00	.00	.00	.00	.00	.20	.00
21	.50	.00	.00	e.00	e.00	.00	.00	.00	.00	.00	.00	.00
22	.00	.00	.00	e.00	e.00	.00	.00	.00	.00	.40	.00	.00
23	.00	.00	.00	e.00	e.00	.00	.00	.00	.00	.00	.00	.00
24	.00	.00	.00	e.00	e.00	.00	.00	.00	.00	.00	.00	.07
25	.00	.20	.00	e.00	e.00	.00	.00	.00	.00	.00	.50	.24
26	.80	.00	.00	e.00	e.00	.00	.00	.00	.00	.00	.10	.00
27	.00	.00	.00	e.00	e.00	.00	.00	.00	.00	.00	.20	.00
28	.00	.00	.00	e.00	e.00	.00	.00	.00	.00	.00	.00	.00
29	.00	.50	.00	e.00	---	.00	.00	.00	.00	.00	.00	.00
30	.00	.10	.00	e.66	---	.00	.00	.00	.00	.00	.00	.00
31	.00	---	.00	e.43	---	.10	---	.00	---	.00	.00	---
TOTAL	3.40	1.80	0.35	1.19	1.18	2.35	0.55	0.40	0.00	1.25	1.15	0.31

WTR YR 1986 TOTAL 13.93

e Estimated

3 SPRINGS BASIN

3 SPRINGS CREEK NEAR WARM SPRINGS, NV

DAILY TOTAL PRECIPITATION, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
INCHES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.15	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2	.15	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
3	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
4	.00	.00	.00	.47	.00	.00	.00	.00	.00	.00	.00	.00
5	.00	.00	.00	.48	.00	.60	.00	.00	.00	.00	.00	.00
6	.00	.00	.00	.10	.00	.70	.00	.00	.05	.00	.00	.00
7	.00	.00	.00	.20	.00	.30	.00	.00	.00	.00	.00	.00
8	.00	.00	.00	.00	.00	.30	.00	.00	.00	.00	.00	.00
9	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
12	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13	.00	.00	.00	.00	.15	.00	.00	.00	.00	.00	.00	.00
14	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
15	.00	.00	.00	.00	.00	.75	.00	.00	.00	.00	.00	.00
16	.00	.00	.00	.00	.00	.00	.00	.45	.00	.00	.00	.00
17	.00	.00	.00	.00	.00	.00	.00	.20	.00	.00	.00	.00
18	.45	.12	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19	.00	.00	.45	.00	.00	.00	.00	.00	.00	.00	.00	.00
20	.00	.00	.30	.00	.00	.00	.00	.00	.00	.00	.00	.00
21	.00	.00	.00	.00	.00	.12	.00	.00	.00	.00	.00	.00
22	.00	.00	.00	.00	.00	.08	.00	.00	.00	.00	.00	.00
23	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
24	.00	.00	.00	.00	.75	.00	.00	.00	.00	.00	.00	.00
25	.00	.00	.00	.00	.15	.00	.00	.00	.00	.00	.00	.00
26	.00	.00	.00	.00	.00	.00	.00	1.25	.00	.00	.00	.00
27	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
28	.00	.00	.00	.18	.00	.00	.10	.20	.00	.00	.00	.00
29	.00	.00	.00	.00	---	.00	.30	.00	.00	.00	.00	.00
30	.00	.00	.00	.00	---	.00	.10	.00	.00	.00	.00	.00
31	.00	---	.00	.00	---	.00	---	.00	---	.00	.00	---
TOTAL	0.75	0.12	0.75	1.43	1.05	2.85	0.50	2.10	0.05	0.00	0.00	0.00
CAL YR 1986	TOTAL 10.00											
WTR YR 1987	TOTAL 9.60											

3 SPRINGS BASIN

3 SPRINGS CREEK NEAR WARM SPRINGS, NV

DAILY TOTAL PRECIPITATION, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
INCHES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	1.50	.00	.00	.00	.40	.00	.00	.00	.00	.00	.00
2	.00	.30	.00	.00	.00	.15	.00	.00	.00	.00	.00	.00
3	.00	.30	.00	.10	.00	.00	.00	.00	.00	.00	.00	.00
4	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
5	.00	.90	.00	.20	.00	.00	.00	.80	.00	.00	.80	.00
6	.00	.40	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
8	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
9	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
12	.50	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13	.15	.20	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
14	.00	.00	.00	.00	.00	.00	1.00	.00	.00	.00	.00	.00
15	.00	.00	.00	.00	.00	.00	1.10	.00	.00	.00	.00	.00
16	.00	.00	.00	.00	.00	.00	.25	.00	.00	.00	.00	.00
17	.00	.00	.12	.95	.00	.00	.15	.00	.00	.00	.00	.00
18	.00	.00	.08	.10	.00	.00	.00	.00	.00	.00	.00	.00
19	.00	.00	.18	.00	.00	.00	.00	.00	.00	.00	.00	.00
20	.00	.00	.00	.00	.00	.00	.50	.00	.00	.00	.00	.00
21	.00	.00	.00	.00	.00	.00	.10	.00	.00	.00	.00	.00
22	.10	.00	.27	.00	.00	.00	.50	.00	.00	.00	.00	.00
23	.00	.00	.00	.00	.00	.00	.28	.00	.50	.00	.00	.00
24	.00	.00	.00	.00	.00	.00	.00	.00	.00	.20	.00	.00
25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.30	.00
26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.25	.00
27	.00	.00	.00	.00	.20	.00	.00	.00	.00	.00	.00	.00
28	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
29	.15	.00	.30	.00	.25	.00	.00	1.00	.00	.00	.00	.00
30	.00	.00	.08	.00	---	.00	.20	.00	.00	.00	.00	.00
31	.15	---	.00	.00	---	.00	---	.00	---	.00	.00	---
TOTAL	1.05	3.60	1.03	1.35	0.45	0.55	4.08	1.80	0.50	0.25	1.35	0.00
CAL YR 1987	TOTAL 13.66											
WTR YR 1988	TOTAL 16.01											

3 SPRINGS BASIN

3 SPRINGS CREEK NEAR WARM SPRINGS, NV

DAILY TOTAL PRECIPITATION, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989 INCHES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e.00	e.00	e.00	e.00	.00	.00	.00	.00	.00	.00	.00	.00
2	e.00	e.00	e.00	e.00	.00	.35	.00	.00	.00	.00	.00	.00
3	e.00	e.00	e.00	e.00	.00	.00	.00	.00	.10	.00	.00	.00
4	e.00	e.00	e.00	e.07	.45	.00	.00	.00	.10	.00	.00	.00
5	e.00	e.00	e.00	e.03	.00	.00	.00	.00	.00	.00	.00	.00
6	e.00	e.00	e.00	e.26	.00	.00	.00	.00	.00	.00	.00	.00
7	e.00	e.00	e.00	e.00	.00	.00	.00	.00	.10	.00	.00	.00
8	e.00	e.00	e.00	e.00	.30	.00	.00	.00	.10	.00	.40	.00
9	e.00	e.00	e.00	e.00	.20	.00	.00	.00	.10	.00	.35	.00
10	e.00	e.00	e.00	.00	.25	.00	.00	.00	.55	.00	.00	.00
11	e.00	e.00	e.00	.00	.00	.00	.00	1.00	.00	.00	.45	.00
12	e.00	e.00	e.00	.00	.00	.00	.00	.10	.00	.00	.00	.00
13	e.00	e.00	e.00	.00	.00	.00	.00	.75	.00	.00	.00	.00
14	e.00	e.58	e.00	.00	.00	.00	.00	.35	.00	.00	.00	.00
15	e.00	e.00	e.08	.00	.00	.00	.00	.00	.00	.00	.00	.00
16	e.00	e.00	e.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
17	e.00	e.18	e.00	.00	.00	.00	.00	.00	.00	.00	.00	.10
18	e.00	e.00	e.04	.00	.00	.00	.00	.00	.00	.00	.00	.00
19	e.00	e.00	e.06	.00	.00	.00	.00	.00	.00	.00	.00	.00
20	e.00	e.00	e.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
21	e.00	e.00	e.74	.00	.00	.00	.00	.00	.00	.00	.00	.00
22	e.00	e.00	e.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
23	e.00	e.18	e.11	.00	.00	.00	.00	.00	.00	.00	.00	.00
24	e.00	e.00	e.09	.00	.00	.00	.00	.00	.00	.00	.00	.00
25	e.00	e.20	e.33	.00	.00	.00	.10	.00	.15	.10	.00	.00
26	e.00	e.00	e.00	.00	.00	.20	.00	.00	.00	.00	.00	.00
27	e.00	e.00	e.00	.00	.00	.00	.10	.00	.00	.00	.00	.00
28	e.00	e.00	e.04	.00	.00	.00	.00	.00	.00	.00	.00	.00
29	e.00	e.00	e.00	.00	---	.00	.00	.00	.00	.00	.00	.00
30	e.00	e.00	e.00	.00	---	.00	.00	.20	.00	.00	.00	.00
31	e.00	---	e.01	.00	---	.00	---	.00	---	.00	.00	---
TOTAL	0.00	1.14	1.51	0.36	1.20	0.55	0.20	2.40	1.20	0.10	1.20	0.10

CAL YR 1988 TOTAL 12.98
WTR YR 1989 TOTAL 9.96

e Estimated

3 SPRINGS BASIN

3 SPRINGS CREEK NEAR WARM SPRINGS, NV

DAILY TOTAL PRECIPITATION, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
INCHES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.15	.00	.00	.00	.00	.00	.00	.00
2	.00	.00	.00	.10	.00	.00	.00	.00	.00	.00	.00	.00
3	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
4	.00	.00	.00	.00	.25	.30	.00	.00	.00	.00	.00	.00
5	.00	.00	.00	.00	.00	.60	.00	.00	.00	.00	.00	.00
6	.00	.00	.00	.00	.00	.00	.10	.00	.00	.00	.00	.00
7	.00	.00	.00	.00	.30	.00	.20	.00	.00	.00	.00	.00
8	.00	.00	.00	.00	.00	.00	.40	.00	.00	.00	.00	.00
9	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00
10	.00	.00	.00	.00	.00	.05	.00	.00	.40	.00	.20	.00
11	.00	.00	.00	.00	.00	.45	.00	.00	.10	.00	.05	.00
12	.00	.00	.00	.00	.00	.10	.00	.00	.00	.00	.00	.00
13	.00	.00	.00	.30	.10	.00	.00	.00	.00	.00	.00	.00
14	.00	.00	.00	.25	.00	.00	.00	.00	.00	.35	.00	.00
15	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.75	.00
16	.00	.00	.00	.10	.10	.00	.00	.00	.00	.20	.20	.00
17	.00	.00	.00	.65	.20	.00	.05	.00	.00	.10	.00	.00
18	.00	.00	.00	.10	.30	.00	.15	.00	.00	.00	.00	.00
19	.00	.00	.00	.00	.10	.00	.00	.00	.00	.00	.00	.00
20	.00	.00	.00	.00	.00	.00	.10	.00	.00	.00	.00	.00
21	.00	.00	.00	.00	.00	.00	.15	.00	.00	.00	.00	.00
22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
23	.00	.00	.00	.00	.00	.00	.30	.00	.00	.00	.00	.50
24	.00	.00	.00	.00	.00	.00	.00	.20	.00	.00	.00	.00
25	.10	.10	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	.00	.00	.00	.00	.00	.00	.00	.70	.00	.00	.00	.05
28	.00	.00	.00	.00	.00	.00	.05	.70	.00	.00	.00	.00
29	.00	.00	.00	.00	---	.00	.00	.10	.00	.00	.00	.00
30	.00	.00	.00	.00	---	.00	.00	.00	.00	.00	.00	.00
31	.00	---	.00	.10	---	.00	---	.00	---	.00	.00	---
TOTAL	0.10	0.10	0.00	1.60	1.50	1.50	1.50	1.70	0.55	0.65	1.20	0.55
CAL YR 1989	TOTAL 7.51											
WTR YR 1990	TOTAL 10.95											

3 SPRINGS BASIN

3 SPRINGS CREEK NEAR WARM SPRINGS, NV

DAILY TOTAL PRECIPITATION, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991 INCHES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.10	.00	.00	.00	e.55	.06	.00	.00	.00	.22	.00
2	.00	.00	.00	.00	.00	.00	.04	.25	.00	.00	.18	.04
3	.00	.00	.00	.25	.00	e.05	.00	.00	.00	.00	.20	.25
4	.00	.00	.00	.00	.00	e.05	.00	.00	.00	.00	.00	.00
5	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
6	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.30
7	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.40
8	.00	.00	.00	.00	.00	.00	.00	.15	.00	.91	.00	.00
9	.00	.00	.00	.00	.00	.00	.00	.05	.00	.13	.00	.05
10	.00	.00	.00	.00	.00	e.30	.00	.00	.00	.00	.00	.00
11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.00
12	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13	.00	.00	.10	.00	.00	e.60	.05	.20	.00	.00	.00	.00
14	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00
15	.00	.00	.05	.10	e.15	e.55	.00	.00	.00	.00	.00	.00
16	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00
17	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
18	.35	.00	.00	.00	.00	.00	.00	e.15	.00	.00	.00	.00
19	.10	.10	.15	.00	.00	e.50	.00	.00	.00	.00	.00	.00
20	.00	.03	.00	.00	.00	e.55	.00	e.55	.00	.00	.00	.00
21	.00	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00
22	.00	.02	.00	.00	.00	.05	.20	.00	.00	.00	.00	.00
23	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00
24	.00	.00	.00	.00	.00	.00	.04	.00	.00	.00	.00	.00
25	.00	.25	.00	.00	.00	.03	.14	.00	.00	.00	.00	.00
26	.00	.10	.00	.00	.00	.22	.00	.00	.00	.00	.00	.21
27	.00	.00	.00	.00	e.35	.53	.00	.00	.00	.00	.00	.10
28	.00	.00	.00	.00	e.85	.02	.00	.00	.00	.00	.00	.00
29	.00	.00	.00	.00	---	.00	.00	.00	.00	.00	.00	.13
30	.00	.00	.00	.00	---	.00	.00	.00	.00	.01	.00	.00
31	.00	---	.00	.00	---	.00	---	e.20	---	.60	.80	---
TOTAL	0.45	0.60	0.30	0.42	1.35	4.05	0.55	1.55	0.00	1.65	1.46	1.48
CAL YR 1990	TOTAL 12.10											
WTR YR 1991	TOTAL 13.86											

e Estimated

3 SPRINGS BASIN

3 SPRINGS CREEK NEAR WARM SPRINGS, NV

PRECIPITATION WATER QUALITY, WATER YEARS OCTOBER 1984 TO SEPTEMBER 1991

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (μS/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (μS/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	ALKA- LINEITY LAB (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)
JAN 1985									
19...	1200	--	--	--	--	--	0.74	0.10	0.17
APR									
03...	1200	--	--	--	--	--	1.5	0.16	2.4
JUL									
10...	1500	--	--	--	--	--	--	--	--
SEP									
24...	1620	19	--	--	--	--	1.3	0.20	0.10
JAN 1986									
11...	1600	--	7	--	6.2	2.0	0.60	0.05	0.20
APR									
01...	1400	--	6	6.1	4.9	<3.0	0.24	0.03	0.19
JUL									
08...	0830	25	21	--	6.8	7.0	1.7	0.18	2.4
SEP									
30...	1530	15	14	--	6.0	2.0	0.86	0.11	0.47
DEC									
30...	1515	--	9	--	5.8	2.0	0.51	0.05	0.25
MAR 1987									
31...	1600	11	11	--	7.1	3.0	0.64	0.04	0.68
JUL									
01...	1100	11	11	--	7.0	2.0	0.57	0.08	0.27
SEP									
27...	1100	--	24	--	7.3	6.0	1.7	0.24	0.59
DEC									
09...	1600	--	7	5.8	7.4	1.0	0.12	0.02	0.06
JAN 1988									
09...	1045	5	5	6.6	6.3	2.0	0.59	0.04	0.17
APR									
06...	0845	5	6	5.9	6.2	2.0	0.25	0.02	0.40
JUN									
25...	0745	7	10	7.0	7.1	3.0	0.94	0.08	0.64
SEP									
23...	0930	12	13	5.5	6.2	1.0	1.2	0.21	0.46
FEB 1989									
23...	1000	13	13	6.6	7.0	4.0	1.3	0.09	1.3
APR									
12...	0855	49	48	6.3	6.9	13	3.0	0.17	6.9
MAY									
24...	1200	4	6	6.1	6.2	2.0	0.47	0.33	<0.36
SEP									
13...	1245	10	11	6.3	6.7	--	1.1	0.04	0.40
NOV									
08...	1000	33	39	6.2	6.8	8.0	2.2	0.30	1.5
JAN 1990									
30...	1330	6	9	5.7	6.4	2.0	0.70	<0.02	0.50
APR									
04...	0925	15	17	6.4	6.5	2.8	1.1	0.08	1.4
MAY									
22...	0830	11	13	6.0	6.0	<0.5	0.46	0.06	0.70
JUL									
10...	1430	6	6	5.6	6.4	0.7	0.52	0.06	0.30
SEP									
22...	1130	13	12	5.7	6.1	1.1	1.2	0.20	0.40
JAN 1991									
30...	1100	8	14	5.9	6.1	0.6	0.71	0.07	1.0
JUN									
04...	1400	7	9	6.3	7.1	<0.5	0.67	0.07	0.60
SEP									
25...	1630	8	10	5.4	5.9	<0.5	0.84	0.09	0.20

3 SPRINGS BASIN

3 SPRINGS CREEK NEAR WARM SPRINGS, NV

PRECIPITATION WATER QUALITY, WATER YEARS OCTOBER 1984 TO SEPTEMBER 1991

DATE	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	BROMIDE DIS- SOLVED (MG/L AS BR)	SILICA, DIS- SOLVED (MG/L AS SIO2)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 1985									
19...	0.08	0.47	0.20	0.02	0.010	<1.0	--	--	--
APR									
03...	0.10	1.8	0.68	0.01	--	<1.0	--	--	--
JUL									
10...	--	--	--	--	--	--	--	--	--
SEP									
24...	--	1.2	0.34	0.01	--	0.40	--	--	--
JAN 1986									
11...	--	0.61	0.27	0.03	0.009	<0.01	--	--	--
APR									
01...	0.03	0.45	0.13	0.02	--	0.10	--	--	--
JUL									
08...	0.70	1.4	1.3	0.06	--	0.98	--	--	--
SEP									
30...	0.15	1.2	0.52	0.02	--	--	--	--	--
DEC									
30...	0.13	0.72	0.21	0.03	--	0.10	--	--	--
MAR 1987									
31...	0.23	0.82	0.59	0.01	--	28	--	--	--
JUL									
01...	0.14	1.0	0.26	0.02	0.014	0.08	--	--	--
SEP									
27...	0.48	2.0	0.67	--	--	0.63	--	--	--
DEC									
09...	0.02	0.28	0.11	--	--	0.07	--	--	--
JAN 1988									
09...	0.07	0.27	0.16	--	0.021	0.06	--	--	--
APR									
06...	0.93	0.39	0.24	--	--	0.05	--	--	--
JUN									
25...	0.10	1.1	0.43	--	--	0.18	--	--	--
SEP									
23...	0.30	1.7	0.55	--	<0.010	0.22	--	--	--
FEB 1989									
23...	0.24	1.3	0.62	0.05	<0.10	0.07	0.350	<0.010	2.4
APR									
12...	0.54	4.8	3.2	0.07	<0.010	0.36	0.220	<0.010	--
MAY									
24...	0.06	0.51	0.17	0.01	<0.010	0.07	--	--	--
SEP									
13...	--	1.4	0.38	<0.01	<0.010	0.27	0.040	<0.010	--
NOV									
08...	--	3.1	1.2	0.06	<0.010	0.13	1.10	0.730	--
JAN 1990									
30...	--	0.49	0.20	0.03	<0.010	<0.02	0.380	<0.010	--
APR									
04...	--	2.1	0.48	0.02	<0.010	<0.01	0.450	<0.010	--
MAY									
22...	0.30	1.1	0.74	0.02	<0.010	<0.01	0.670	<0.010	--
JUL									
10...	0.20	0.50	0.19	0.02	<0.010	<0.10	0.170	<0.010	--
SEP									
22...	0.10	0.99	0.25	0.03	<0.010	0.20	0.490	<0.010	--
JAN 1991									
30...	0.20	0.98	1.4	0.02	<0.010	<0.10	0.450	<0.010	--
JUN									
04...	0.10	1.2	0.20	0.03	<0.010	<0.10	0.220	<0.010	--
SEP									
25...	0.30	1.0	0.35	<0.01	<0.010	0.20	0.470	<0.010	--

3 SPRINGS BASIN

3 SPRINGS CREEK NEAR WARM SPRINGS, NV

PRECIPITATION WATER QUALITY, WATER YEARS OCTOBER 1984 TO SEPTEMBER 1991

DATE	IRON, DIS- SOLVED (µG/L AS FE)	MANGA- NESE, DIS- SOLVED (µG/L AS MN)	STRON- TIUM, DIS- SOLVED (µG/L AS SR)	ALUM- INUM, DIS- SOLVED (µG/L AS AL)	TRITIUM TOTAL (PCI/L)	TRITIUM 2 SIGMA WATER, WHOLE, TOTAL (PCI/L)	H-2 / H-1 STABLE ISOTOPE RATIO PER MIL	O-18 / O-16 STABLE ISOTOPE RATIO PER MIL
JAN 1985								
19...	--	--	--	--	--	--	-115.0	-16.00
APR								
03...	--	--	--	--	43	7.0	-113.5	-15.79
JUL								
10...	--	--	--	--	--	--	--	--
SEP								
24...	14	2	8	--	--	--	-69.5	-10.60
JAN 1986								
11...	4	17	6	--	--	--	-109.0	-14.30
APR								
01...	<10	--	--	--	--	--	-92.0	-13.10
JUL								
08...	18	--	17	--	--	--	-61.0	-9.05
SEP								
30...	<10	--	70	--	--	--	-70.0	-9.75
DEC								
30...	6	--	4	--	--	--	-103.5	-14.85
MAR 1987								
31...	<3	--	3	--	56	6.4	-124.0	-16.80
JUL								
01...	<3	--	4	--	71	7.0	-68.9	-9.75
SEP								
27...	<3	--	12	--	--	--	-74.5	-10.05
DEC								
09...	3	--	<1	--	--	--	-105.5	-15.00
JAN 1988								
09...	5	--	4	--	69	9.0	-163.5	-21.85
APR								
06...	4	2	1	--	37	4.0	-137.0	-18.15
JUN								
25...	5	--	6	--	45	5.0	-87.4	-12.20
SEP								
23...	12	20	7	<10	60	7.0	-60.4	-8.55
FEB 1989								
23...	6	13	<10	--	27	3.0	-111.5	-15.25
APR								
12...	<3	5	90	--	--	--	-138.0	-18.10
MAY								
24...	5	--	4	--	34	3.0	-136.5	-18.30
SEP								
13...	<3	<1	--	--	--	--	-66.0	-9.25
NOV								
08...	<3	24	--	--	--	--	-78.4	-10.15
JAN 1990								
30...	<3	5	--	--	21	3.0	-105.0	-14.75
APR								
04...	2	5	--	--	27	3.0	-122.0	-16.70
MAY								
22...	3	6	--	--	--	--	-77.5	-10.70
JUL								
10...	<3	4	--	--	--	--	-132.0	-17.05
SEP								
22...	2	13	--	--	--	--	-65.0	-9.45
JAN 1991								
30...	<3	6	--	--	--	--	-112.0	-15.80
JUN								
04...	4	6	--	--	34	2.0	-127.0	-17.30
SEP								
25...	5	7	--	--	--	--	-58.5	-8.65

3 SPRINGS BASIN

3 SPRINGS CREEK NEAR WARM SPRINGS, NV

WATER-QUALITY ANALYSIS FROM THE UNSATURATED-ZONE LYSIMETER, WATER YEARS OCTOBER 1985 TO SEPTEMBER 1991

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (µS/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (µS/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3	ALKA- LINITY LAB (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)
JUL 1986									
08...	1400	66	64	6.8	7.1	--	20	20	6.0
OCT									
04...	¹ 1200	--	--	--	--	--	--	--	--
JUL 1987									
01...	1215	88	82	6.4	6.7	21.0	22	19	7.3
SEP									
30...	¹ 1130	--	--	--	--	--	--	--	--
DEC									
09...	1500	85	82	6.5	7.7	4.5	--	24	8.6
APR 1988									
06...	1300	55	67	6.8	6.9	10.5	24	26	5.1
JUN									
24...	1045	76	82	7.0	7.2	18.0	--	25	6.3
SEP									
23...	1015	--	--	--	--	--	--	--	--
FEB 1989									
23...	1300	--	--	--	--	--	--	--	--
APR									
12...	1310	--	--	--	--	--	--	--	--
SEP									
13...	1530	--	--	--	--	--	--	--	--
MAY									
22...	¹ 1000	--	--	--	--	--	--	--	--
JUL 1990									
10...	1400	--	--	--	--	--	--	--	--
SEP									
23...	¹ 1500	--	--	--	--	--	--	--	--
JUN 1991									
05...	0800	61	61	7.0	7.1	14.5	17	15	6.4
SEP									
25...	1650	--	--	--	--	--	--	--	--

3 SPRINGS BASIN

3 SPRINGS CREEK NEAR WARM SPRINGS, NV

WATER-QUALITY ANALYSIS FROM THE UNSATURATED-ZONE LYSIMETER, WATER YEARS OCTOBER 1985 TO SEPTEMBER 1991

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	BROMIDE DIS- SOLVED (MG/L AS BR)	SILICA, DIS- SOLVED (MG/L AS SIO2)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)
JUL 1986									
08...	1.5	3.0	2.5	4.2	1.3	0.09	<0.010	33	--
OCT									
04...	--	--	--	--	--	--	--	--	--
JUL 1987									
01...	1.7	3.3	1.6	6.6	3.1	0.15	0.027	34	--
SEP									
30...	--	--	--	--	--	--	--	--	--
DEC									
09...	1.7	3.0	2.9	3.5	1.3	--	0.015	27	--
APR 1988									
06...	1.3	3.0	2.1	2.7	0.53	--	--	34	--
JUN									
24...	1.9	3.2	3.0	4.3	1.8	--	--	34	--
SEP									
23...	--	--	--	1.7	2.8	0.15	<0.010	--	--
FEB 1989									
23...	2.1	5.2	4.1	15	2.8	0.31	<0.010	--	0.690
APR									
12...	--	--	--	1.2	3.2	0.09	<0.010	--	6.60
SEP									
13...	--	--	--	1.0	1.2	0.08	<0.010	--	4.40
MAY									
22...	--	--	--	--	--	--	--	--	--
JUL 1990									
10...	--	--	--	1.5	5.1	<0.10	--	--	36.0
SEP									
23...	--	--	--	--	--	--	--	--	--
JUN 1991									
05...	1.4	3.0	2.1	6.0	2.1	0.13	0.030	35	0.210
SEP									
25...	--	--	--	2.3	4.3	0.12	<0.010	--	9.20

3 SPRINGS BASIN

3 SPRINGS CREEK NEAR WARM SPRINGS, NV

WATER-QUALITY ANALYSIS FROM THE UNSATURATED-ZONE LYSIMETER, WATER YEARS OCTOBER 1985 TO SEPTEMBER 1991

DATE	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	IRON, DIS- SOLVED (µG/L AS FE)	MANGA- NESE, DIS- SOLVED (µG/L AS MN)	STRON- TIUM, DIS- SOLVED (µG/L AS SR)	TRITIUM TOTAL (PCI/L)	TRITIUM 2 SIGMA WATER, WHOLE, TOTAL (PCI/L)	H-2 / H-1 STABLE ISOTOPE RATIO PER MIL	O-18 / O-16 STABLE ISOTOPE RATIO PER MIL
JUL 1986								
08...	--	10	--	41	--	--	-109.5	-14.20
OCT								
04...	--	--	--	--	--	--	--	--
JUL 1987								
01...	--	130	--	54	90	9.6	-107.5	-13.20
SEP								
30...	--	--	--	--	--	--	--	--
DEC								
09...	--	6	--	55	36	3.0	-108.5	-14.30
APR 1988								
06...	--	<3	--	48	36	3.0	-112.5	-14.55
JUN								
24...	--	6	--	55	46	4.0	-105.5	-13.45
SEP								
23...	0.190	--	--	--	--	--	--	--
FEB 1989								
23...	0.470	--	--	--	--	--	-89.5	-9.90
APR								
12...	0.210	--	--	--	--	--	--	--
SEP								
13...	0.590	--	--	--	--	--	-109.0	-13.75
MAY								
22...	--	--	--	--	--	--	--	--
JUL 1990								
10...	--	--	--	--	--	--	-98.0	-12.55
SEP								
23...	--	--	--	--	--	--	--	--
JUN 1991								
05...	0.080	5	12	--	--	--	-113.0	-14.05
SEP								
25...	1.30	--	--	--	--	--	--	--

1 Sample collector dry.

3 SPRINGS BASIN

3 SPRINGS CREEK NEAR WARM SPRINGS, NV

DAILY MEAN DISCHARGE, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
CUBIC FEET PER SECOND

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	.00	e.05	e.14	e.14	.00	.00	.00
2	---	---	---	---	---	.00	e.05	e.14	e.13	.00	.00	.00
3	---	---	---	---	---	.00	e.05	e.13	e.12	.00	.00	.00
4	---	---	---	---	---	.00	e.05	e.12	e.12	.00	.00	.00
5	---	---	---	---	---	.00	e.05	e.12	e.13	.00	.00	.00
6	---	---	---	---	---	.00	e.05	e.12	e.14	.00	.00	.00
7	---	---	---	---	---	.00	e.05	e.12	e.17	.00	.00	.00
8	---	---	---	---	---	.00	e.05	e.12	e.17	.00	.00	.00
9	---	---	---	---	---	.00	e.05	e.10	e.17	.00	.00	.00
10	---	---	---	---	---	.00	e.05	e.10	e.16	.00	.00	.00
11	---	---	---	---	---	.00	e.05	e.10	e.12	.00	.00	.00
12	---	---	---	---	---	.00	e.05	e.11	e.09	.00	.00	.00
13	---	---	---	---	---	.00	e.05	e.11	e.08	.00	.00	.00
14	---	---	---	---	---	.00	e.05	e.11	e.07	.00	.00	.00
15	---	---	---	---	---	e.01	e.05	e.11	e.06	.00	.00	.00
16	---	---	---	---	---	e.01	e.05	e.11	e.06	.00	.00	.00
17	---	---	---	---	---	e.01	e.05	e.12	e.05	.00	.00	.00
18	---	---	---	---	---	e.01	e.05	e.12	e.03	.00	.00	.00
19	---	---	---	---	---	e.02	e.05	e.12	e.03	.00	.00	.00
20	---	---	---	---	---	e.02	e.05	e.11	e.02	.00	.00	.00
21	---	---	---	---	---	e.02	e.05	e.10	e.02	.00	.00	.00
22	---	---	---	---	---	e.02	e.05	e.09	e.02	.00	.00	.00
23	---	---	---	---	---	e.03	e.05	e.08	e.01	.00	.00	.00
24	---	---	---	---	---	e.03	e.05	e.08	e.01	.00	.00	.00
25	---	---	---	---	---	e.03	e.05	e.09	.00	.00	.00	.00
26	---	---	---	---	---	e.04	e.05	e.12	.00	.00	.00	.00
27	---	---	---	---	---	e.04	e.05	e.14	.00	.00	.00	.00
28	---	---	---	---	---	e.04	e.05	e.14	.00	.00	.00	.00
29	---	---	---	---	---	e.04	e.05	e.12	.00	.00	.00	.00
30	---	---	---	---	---	e.04	e.10	e.12	.00	.00	.00	.00
31	---	---	---	---	---	e.05	---	e.14	---	.00	.00	---
TOTAL	---	---	---	---	---	0.46	1.55	3.55	2.12	0.00	0.00	0.00
MEAN	---	---	---	---	---	.015	.052	.11	.071	.000	.000	.000
MAX	---	---	---	---	---	.05	.10	.14	.17	.00	.00	.00
MIN	---	---	---	---	---	.00	.05	.08	.00	.00	.00	.00
AC-FT	---	---	---	---	---	.9	3.1	7.0	4.2	.00	.00	.00

WTR YR 1987 TOTAL 7.68 MEAN .063 MAX .17 MIN .00 AC-FT 15

e Estimated

3 SPRINGS BASIN

3 SPRINGS CREEK NEAR WARM SPRINGS, NV

DAILY MEAN DISCHARGE, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
CUBIC FEET PER SECOND

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.24	.02	e.00	e.00	e.00	2.0	.53	.03	.00	.00
2	.00	.00	.22	.01	e.00	e.00	e.00	1.9	.49	.03	.00	.00
3	.00	.00	.21	.01	e.00	e.00	e.00	1.8	.46	.02	.00	.00
4	.00	.00	.19	.01	e.00	e.00	e.01	1.7	.43	.02	.00	.00
5	.00	.00	.18	.01	e.00	e.00	e.02	1.5	.40	.02	.00	.00
6	.00	.00	.17	e.01	e.00	e.00	e.03	1.4	.36	.02	.00	.00
7	.00	.00	.16	e.01	e.00	e.00	.03	1.3	.35	.02	.00	.00
8	.00	.41	.15	e.01	e.00	e.00	.04	1.3	.33	.02	.00	.00
9	.00	1.7	.13	e.01	e.00	e.00	.05	1.2	.29	.02	.00	.00
10	.00	1.7	.11	e.01	e.00	e.00	.05	1.1	.27	.02	.00	.00
11	.00	1.6	.10	e.01	e.00	e.00	.05	1.1	.24	.02	.00	.00
12	.00	1.5	.10	e.00	e.00	e.00	.05	1.1	.24	.02	.00	.00
13	.00	1.3	.08	e.00	e.00	e.00	.05	1.1	.22	.02	.00	.00
14	.00	1.2	.08	e.00	e.00	e.00	.06	1.1	.20	.01	.00	.00
15	.00	1.1	.07	e.00	e.00	e.00	.05	1.1	.16	.00	.00	.00
16	.00	.93	.06	e.00	e.00	e.00	.04	1.1	.14	.00	.00	.00
17	.00	.80	.05	e.00	e.00	e.00	.04	1.1	.13	.00	.00	.00
18	.00	.70	.04	e.00	e.00	e.00	.05	1.1	.11	.00	.00	.00
19	.00	.66	.04	e.00	e.00	e.00	.38	1.0	.11	.00	.00	.00
20	.00	.62	.04	e.00	e.00	e.00	.90	.99	.09	.00	.00	.00
21	.00	.58	.03	e.00	e.00	e.00	1.0	.95	.09	.00	.00	.00
22	.00	.56	.03	e.00	e.00	e.00	1.2	.89	.09	.00	.00	.00
23	.00	.52	.03	e.00	e.00	e.00	1.4	.84	.07	.00	.00	.00
24	.00	.47	.04	e.00	e.00	e.00	1.5	.78	.05	.00	.00	.00
25	.00	.42	.04	e.00	e.00	e.00	1.7	.72	.05	.00	.00	.00
26	.00	.39	.03	e.00	e.00	e.00	1.8	.68	.04	.00	.00	.00
27	.00	.36	.03	e.00	e.00	e.00	1.9	.65	.04	.00	.00	.00
28	.00	.33	.03	e.00	e.00	e.00	2.0	.62	.03	.00	.00	.00
29	.00	.28	.03	e.00	e.00	e.00	2.1	.70	.03	.00	.00	.00
30	.00	.26	.03	e.00	---	e.00	2.1	.69	.03	.00	.00	.00
31	.00	---	.03	e.00	---	e.00	---	.59	---	.00	.00	---
TOTAL	0.00	18.39	2.77	0.12	0.00	0.00	18.60	34.10	6.07	0.29	0.00	0.00
MEAN	.000	.61	.089	.004	.000	.000	.62	1.10	.20	.009	.000	.000
MAX	.00	1.7	.24	.02	.00	.00	2.1	2.0	.53	.03	.00	.00
MIN	.00	.00	.03	.00	.00	.00	.00	.59	.03	.00	.00	.00
AC-FT	.00	36	5.5	.2	.00	.00	37	68	12	.6	.00	.00

CAL YR 1987 TOTAL 28.84 MEAN .13 MAX 1.7 MIN .00 AC-FT 57
WTR YR 1988 TOTAL 80.34 MEAN .22 MAX 2.1 MIN .00 AC-FT 159

e Estimated

3 SPRINGS BASIN

3 SPRINGS CREEK NEAR WARM SPRINGS, NV

DAILY MEAN DISCHARGE, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
CUBIC FEET PER SECOND

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.000	.000	.000	.000	.000	.000	.008	e.001	.000	.000	.000	.000
2	.000	.000	.000	.000	.000	.000	.008	e.001	.000	.000	.000	.000
3	.000	.000	.000	.000	.000	.000	.008	e.001	.000	.000	.000	.000
4	.000	.000	.000	.000	.000	.000	.008	e.001	.000	.000	.000	.000
5	.000	.000	.000	.000	.000	.000	.008	e.001	.000	.000	.000	.000
6	.000	.000	.000	.000	.000	.000	.008	e.001	.000	.000	.000	.000
7	.000	.000	.000	.000	.000	.000	.008	e.001	.000	.000	.000	.000
8	.000	.000	.000	.000	.000	.000	.008	e.001	.000	.000	.000	.000
9	.000	.000	.000	.000	.000	.000	.008	e.001	.000	.000	.000	.000
10	.000	.000	.000	.000	.000	.000	.008	e.001	.000	.000	.000	.000
11	.000	.000	.000	.000	.000	.000	.008	e.001	.000	.000	.000	.000
12	.000	.000	.000	.000	.000	.000	.006	e.001	.000	.000	.000	.000
13	.000	.000	.000	.000	.000	.000	.004	e.001	.000	.000	.000	.000
14	.000	.000	.000	.000	.000	.000	.004	e.001	.000	.000	.000	.000
15	.000	.000	.000	.000	.000	.004	.004	e.001	.000	.000	.000	.000
16	.000	.000	.000	.000	.000	.012	.004	e.001	.000	.000	.000	.000
17	.000	.000	.000	.000	.000	.012	.004	e.001	.000	.000	.000	.000
18	.000	.000	.000	.000	.000	.012	.004	e.001	.000	.000	.000	.000
19	.000	.000	.000	.000	.000	.014	.004	e.001	.000	.000	.000	.000
20	.000	.000	.000	.000	.000	.012	.004	e.001	.000	.000	.000	.000
21	.000	.000	.000	.000	.000	.010	.004	e.001	.000	.000	.000	.000
22	.000	.000	.000	.000	.000	.010	.004	e.001	.000	.000	.000	.000
23	.000	.000	.000	.000	.000	.012	.004	e.001	.000	.000	.000	.000
24	.000	.000	.000	.000	.000	.012	.004	e.001	.000	.000	.000	.000
25	.000	.000	.000	.000	.000	.012	.004	.000	.000	.000	.000	.000
26	.000	.000	.000	.000	.000	.010	.004	.000	.000	.000	.000	.000
27	.000	.000	.000	.000	.000	.008	e.001	.000	.000	.000	.000	.000
28	.000	.000	.000	.000	.000	.008	e.001	.000	.000	.000	.000	.000
29	.000	.000	.000	.000	---	.008	e.001	.000	.000	.000	.000	.000
30	.000	.000	.000	.000	---	.008	e.001	.000	.000	.000	.000	.000
31	.000	---	.000	.000	---	.008	---	.000	---	.000	.000	---
TOTAL	0.000	0.000	0.000	0.000	0.000	0.172	0.154	0.024	0.000	0.000	0.000	0.000
MEAN	.000	.000	.000	.000	.000	.006	.005	.001	.000	.000	.000	.000
MAX	.000	.000	.000	.000	.000	.014	.008	.001	.000	.000	.000	.000
MIN	.000	.000	.000	.000	.000	.000	.001	.000	.000	.000	.000	.000
AC-FT	.00	.00	.00	.00	.00	.3	.3	.05	.00	.00	.00	.00

WTR YR 1989 TOTAL 0.350 MEAN .001 MAX .014 MIN .000 AC-FT .7

e Estimated

3 SPRINGS BASIN

3 SPRINGS CREEK NEAR WARM SPRINGS, NV

DAILY MEAN DISCHARGE, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
CUBIC FEET PER SECOND

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
2	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
3	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
4	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
5	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
6	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
7	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
8	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
9	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
10	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
11	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
12	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
13	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
14	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
15	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
16	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
17	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
18	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
19	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
20	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
21	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
22	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
23	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
24	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
25	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
26	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
27	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
28	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
29	.000	.000	.000	.000	---	.000	.000	.000	.000	.000	.000	.000
30	.000	.000	.000	.000	---	.000	.000	.000	.000	.000	.000	.000
31	.000	---	.000	.000	---	.000	---	.000	---	.000	.000	---
TOTAL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
MAX	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
MIN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
AC-FT	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

CAL YR 1989 TOTAL 0.350 MEAN .001 MAX .014 MIN .000 AC-FT .7
WTR YR 1990 TOTAL 0.000 MEAN .000 MAX .000 MIN .000 AC-FT .00

3 SPRINGS BASIN

3 SPRINGS CREEK NEAR WARM SPRINGS, NV

DAILY MEAN DISCHARGE, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
CUBIC FEET PER SECOND

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.000	.000	.000	.000	.000	.000	.000	.053	.037	.000	.000	.000
2	.000	.000	.000	.000	.000	.000	.000	.048	.037	.000	.000	.000
3	.000	.000	.000	.000	.000	.000	.000	.045	.037	.000	.000	.000
4	.000	.000	.000	.000	.000	.000	.000	.045	.037	.000	.000	.000
5	.000	.000	.000	.000	.000	.000	.000	.045	.037	.000	.000	.000
6	.000	.000	.000	.000	.000	.000	.000	.039	.037	.000	.000	.000
7	.000	.000	.000	.000	.000	.000	.001	.037	.037	.000	.000	.000
8	.000	.000	.000	.000	.000	.000	.001	.037	.037	.000	.000	.000
9	.000	.000	.000	.000	.000	.000	.001	.031	.030	.000	.000	.000
10	.000	.000	.000	.000	.000	.000	.001	.030	.030	.000	.000	.000
11	.000	.000	.000	.000	.000	.000	.001	.030	.027	.000	.000	.000
12	.000	.000	.000	.000	.000	.000	.001	.030	.023	.000	.000	.000
13	.000	.000	.000	.000	.000	.000	.001	.029	.019	.000	.000	.000
14	.000	.000	.000	.000	.000	.000	.001	.023	.012	.000	.000	.000
15	.000	.000	.000	.000	.000	.000	.001	.023	.008	.000	.000	.000
16	.000	.000	.000	.000	.000	.000	.001	.023	.006	.000	.000	.000
17	.000	.000	.000	.000	.000	.000	.001	.023	.004	.000	.000	.000
18	.000	.000	.000	.000	.000	.000	.001	.023	.002	.000	.000	.000
19	.000	.000	.000	.000	.000	.000	.001	.023	.001	.000	.000	.000
20	.000	.000	.000	.000	.000	.000	.001	.023	.000	.000	.000	.000
21	.000	.000	.000	.000	.000	.000	.018	.026	.000	.000	.000	.000
22	.000	.000	.000	.000	.000	.000	.030	.030	.000	.000	.000	.000
23	.000	.000	.000	.000	.000	.000	.039	.030	.000	.000	.000	.000
24	.000	.000	.000	.000	.000	.000	.045	.030	.000	.000	.000	.000
25	.000	.000	.000	.000	.000	.000	.052	.035	.000	.000	.000	.000
26	.000	.000	.000	.000	.000	.000	.053	.037	.000	.000	.000	.000
27	.000	.000	.000	.000	.000	.000	.053	.037	.000	.000	.000	.000
28	.000	.000	.000	.000	.000	.000	.053	.037	.000	.000	.000	.000
29	.000	.000	.000	.000	---	.000	.053	.037	.000	.000	.000	.000
30	.000	.000	.000	.000	---	.000	.053	.037	.000	.000	.000	.000
31	.000	---	.000	.000	---	.000	---	.037	---	.000	.000	---
TOTAL	0.000	0.000	0.000	0.000	0.000	0.000	0.463	1.033	0.458	0.000	0.000	0.000
MEAN	.000	.000	.000	.000	.000	.000	.015	.033	.015	.000	.000	.000
MAX	.000	.000	.000	.000	.000	.000	.053	.053	.037	.000	.000	.000
MIN	.000	.000	.000	.000	.000	.000	.000	.023	.000	.000	.000	.000
AC-FT	.00	.00	.00	.00	.00	.00	.9	2.0	.9	.00	.00	.00
CAL YR 1990	TOTAL 0.000 MEAN .000 MAX .000 MIN .000 AC-FT .00											
WTR YR 1991	TOTAL 1.954 MEAN .005 MAX .053 MIN .000 AC-FT 3.9											

3 SPRINGS BASIN

3 SPRINGS CREEK NEAR WARM SPRINGS, NV

SURFACE-WATER QUALITY, WATER YEARS OCTOBER 1984 TO SEPTEMBER 1991

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (µS/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (µS/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	ALKA- LITY WAT WH TOT FET FIELD MG/L AS CACO3	ALKA- LITY LAB (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)
APR 1985										
03...	--	--	--	--	--	--	38	--	>5.0	1.5
MAR 1986										
04...	1500	--	97	7.1	7.6	7.0	34	33	7.6	1.6
20...	1317	95	95	7.2	7.9	8.0	34	36	8.0	1.5
APR										
01...	1510	91	91	7.1	7.6	7.0	32	34	7.5	1.4
MAR 1987										
31...	1620	120	111	6.7	8.2	6.5	43	44	9.7	1.4
MAY										
07...	0945	--	108	--	7.3	3.0	--	42	9.3	2.5
JUL										
01...	1745	130	127	6.7	7.6	8.5	53	54	12	1.7
NOV										
18...	1600	--	126	--	8.3	7.5	--	53	9.7	1.8
DEC										
09...	1615	142	121	6.5	7.4	7.0	--	46	10	1.6
JAN 1988										
09...	1130	128	123	6.8	7.5	7.0	50	50	10	1.7
APR										
06...	0945	101	112	6.8	7.2	6.0	47	48	8.7	1.4
JUN										
25...	1430	109	118	7.0	7.5	8.5	--	49	10	1.7
APR 1989										
12...	1000	112	118	6.6	7.2	8.0	49	49	11	1.5
MAY										
24...	1215	122	108	6.9	8.2	8.5	--	53	11	0.52
MAY 1990										
22...	1000	123	124	6.8	7.4	8.0	50	48	11	1.5
JUN 1991										
06...	0745	118	121	6.7	7.2	7.5	46	46	11	1.5

3 SPRINGS BASIN

3 SPRINGS CREEK NEAR WARM SPRINGS, NV

SURFACE-WATER QUALITY, WATER YEARS OCTOBER 1984 TO SEPTEMBER 1991

DATE	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	BROMIDE DIS- SOLVED (MG/L AS BR)	SILICA, DIS- SOLVED (MG/L AS SIO2)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)
APR 1985									
03...	>5.0	1.9	5.2	3.4	0.09	--	39	--	--
MAR 1986									
04...	8.3	2.0	--	--	--	--	38	--	--
20...	7.0	1.6	5.7	2.8	0.11	0.039	38	--	--
APR									
01...	7.0	1.7	5.3	2.6	0.08	0.019	35	--	--
MAR 1987									
31...	1.9	1.2	5.4	4.0	0.06	--	39	--	--
MAY									
07...	11	1.0	5.0	3.2	0.16	0.027	38	--	--
JUL									
01...	12	1.2	4.8	3.4	0.11	0.038	40	--	--
NOV									
18...	9.7	2.1	5.8	3.5	--	0.038	40	--	--
DEC									
09...	10	1.3	5.8	3.5	--	0.035	40	--	--
JAN 1988									
09...	9.9	1.3	5.3	3.5	--	0.35	42	--	--
APR									
06...	11	1.0	5.4	3.3	--	0.035	39	--	--
JUN									
25...	11	1.3	5.0	3.0	--	--	38	--	--
APR 1989									
12...	13	1.2	6.0	3.7	0.10	0.030	41	--	<0.100
MAY									
24...	13	1.5	5.0	3.8	0.10	0.030	40	--	<0.100
MAY 1990									
22...	13	1.0	5.2	4.6	0.10	0.050	41	--	<0.100
JUN 1991									
06...	12	0.90	7.2	4.3	0.20	0.040	40	<0.010	<0.050

3 SPRINGS BASIN

3 SPRINGS CREEK NEAR WARM SPRINGS, NV

SURFACE-WATER QUALITY, WATER YEARS OCTOBER 1984 TO SEPTEMBER 1991

DATE	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	IRON, DIS- SOLVED (µG/L AS FE)	MANGA- NESE, DIS- SOLVED (µG/L AS MN)	STRON- TIUM, DIS- SOLVED (µG/L AS SR)	ALUM- INUM, DIS- SOLVED (µG/L AS AL)	TRITIUM TOTAL (PCI/L)	TRITIUM 2 SIGMA WATER, WHOLE, TOTAL (PCI/L)	H-2 / H-1 STABLE ISOTOPE RATIO PER MIL	O-18 / O-16 STABLE ISOTOPE RATIO PER MIL
APR 1985 03...	--	--	--	--	--	--	--	--	--
MAR 1986 04...	--	6	4	--	--	--	--	--	--
20...	--	<10	--	260	--	--	--	-100.0	-13.20
APR 01...	--	3	--	190	--	<200	--	-100.0	-13.30
MAR 1987 31...	--	3	--	10	--	--	--	-101.5	-13.70
MAY 07...	--	<10	--	110	<10	--	--	--	--
JUL 01...	--	<3	--	110	--	--	--	-103.5	-13.80
NOV 18...	--	3	91	91	--	--	--	-102.0	-13.75
DEC 09...	--	<3	--	98	--	54	5.0	-105.0	-13.80
JAN 1988 09...	--	<3	--	110	--	--	--	-103.0	-13.75
APR 06...	--	<3	--	110	--	--	--	-102.0	-13.85
JUN 25...	--	6	--	100	--	--	--	-101.5	-13.80
APR 1989 12...	--	<3	2	90	--	--	--	-102.5	-13.80
MAY 24...	--	4	--	110	--	--	--	-102.5	-13.80
MAY 1990 22...	--	72	1	--	--	--	--	-102.0	-13.70
JUN 1991 06...	<0.010	7	2	--	--	--	--	-104.0	-13.90

RECORDS FROM EAST STEWART BASIN

EAST STEWART BASIN

VEG SPRING NEAR IONE, NV

LOCATION. -- Lat 38°53'04", long 117°21'13", Nye County, Hydrologic Unit 16040107, on the right bank 0.5 mi upstream from the East Stewart Creek surface-water equipment, 1.8 mi upstream from the Columbine campground, 13.8 mi east of Ione on State Route 21.

PERIOD OF RECORD. -- September 1984 to current year.

REMARKS.-- The weather equipment is located approximately 200 feet southeast and uphill from Veg Spring. The two unsaturated-zone water-quality samples are taken approximately 20 feet downhill from the weather equipment. Minimum air temperatures from October 7, 1989 to July 12, 1990 were not published due to intermittent probe failure. The maximum total daily precipitation was not published because the value is estimated. During visits when the unsaturated-zone lysimeter was checked and found empty, the container was cleaned and replaced. Estimated periods of daily record are considered poor. Values for the daily maximum and minimum air temperature were obtained from the 40 minute average values.

PERIOD OF DAILY RECORD. --

AIR TEMPERATURE: October 1988 to current year.
SOIL TEMPERATURE: October 1988 to current year.
SOLAR RADIATION: November 1990 to current year.
RELATIVE HUMIDITY: October 1990 to current year.
TOTAL PRECIPITATION: October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD. --

AIR TEMPERATURE: Maximum daily, 23.7°C, July 4, 1991; minimum daily, -27.0°C, Dec. 22, 1990. See remarks for more information.
SOIL TEMPERATURE: Maximum daily mean, 19.9°C, Aug. 6, 1990; minimum daily mean, -10.7°C, Dec. 30, 1990.
SOLAR RADIATION: Maximum daily total, 714 cal/cm², May 15, 1991; minimum daily total, 34 cal/cm², Jan. 4, 1991.
RELATIVE HUMIDITY: Maximum daily mean, 100 pct, several days of record; minimum daily mean, 15 pct, Aug. 9, 1991.
TOTAL PRECIPITATION: Maximum daily, not available; no precipitation, most days of record.

EAST STEWART BASIN

VEG SPRING NEAR IONE, NV

DAILY MEAN AIR TEMPERATURE, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.3	4.3	3.3	-10.8	-5.2	-2.2	-4.5	3.7	4.9	11.9	13.0	10.7
2	11.4	1.2	1.2	-3.0	-10.6	-5.7	-2.8	3.4	7.3	14.7	12.2	11.4
3	10.7	3.2	-.3	-1.1	-12.6	-16.4	-2.6	3.9	2.6	16.4	13.0	11.7
4	9.7	1.7	.3	-3.9	-19.3	-5.3	.7	6.4	2.4	15.0	13.5	13.1
5	7.5	6.3	.4	-8.7	-23.5	.0	6.1	10.2	2.8	16.1	14.3	12.6
6	5.5	1.2	-.7	-17.2	-20.9	1.2	8.2	11.1	6.0	16.5	14.0	9.6
7	5.9	1.2	-9.0	-16.9	-15.8	.5	8.1	10.2	6.4	17.4	13.2	2.2
8	7.0	-5.3	-7.2	-12.8	-7.6	1.7	6.2	8.5	6.8	15.7	10.6	5.7
9	6.8	-2.8	-2.0	-5.7	-5.5	2.5	5.6	4.6	5.5	13.7	10.9	8.4
10	4.8	-2.2	-.5	-9.6	-8.7	3.0	6.4	-2.6	7.8	12.0	11.0	8.3
11	1.8	-5.3	1.0	-16.5	-10.8	1.3	1.8	-3.4	6.6	12.7	12.3	6.4
12	2.5	-.2	4.3	-8.0	-12.7	.7	1.6	-4.3	10.2	10.1	13.3	4.9
13	4.4	-.4	2.0	-4.9	-14.0	-6.7	5.5	-4.3	12.9	13.2	14.7	8.0
14	1.1	-10.2	-8.3	-13.1	-11.4	-7.4	7.3	-3.1	14.5	15.5	14.3	10.1
15	6.2	-10.0	-14.7	-10.0	-5.9	-1.9	4.4	-1.7	13.8	14.3	14.6	11.4
16	8.4	-6.7	-9.1	-4.8	-4.8	-5.7	4.9	1.0	7.9	12.1	14.3	9.1
17	8.8	-11.4	-6.1	-2.5	-.9	-5.7	7.1	5.8	11.1	13.7	11.8	1.5
18	9.7	-13.4	-8.1	.1	-1.9	-1.8	8.6	3.2	15.0	16.7	10.5	.2
19	7.6	-7.6	-9.9	-2.4	-7.1	-5.2	9.4	2.7	13.9	18.7	10.4	1.1
20	8.4	-7.0	-7.9	-1.0	-8.2	-5.9	8.3	6.9	6.8	16.6	7.8	3.9
21	9.1	-3.7	-13.3	-1.5	-2.3	-.1	5.1	5.9	4.9	13.7	9.4	6.5
22	7.5	-.6	-12.3	-2.9	.7	-.7	-3.0	8.2	8.9	13.2	11.6	8.4
23	8.9	-5.0	-14.5	-7.8	.4	-1.2	-3.3	.9	6.0	12.4	5.1	10.0
24	7.6	-12.8	-10.0	-9.8	1.9	-.1	-9.2	-3.8	5.4	12.7	2.8	11.2
25	7.5	-9.0	-17.3	-9.2	1.3	-5.3	-8.6	-.8	7.4	15.1	6.8	9.6
26	6.9	-10.8	-19.0	-5.5	-1.2	-7.7	-7.5	4.8	10.1	16.7	9.7	10.1
27	6.2	-3.0	-13.8	-4.5	-5.4	-4.0	-6.8	6.5	7.9	16.0	11.3	9.2
28	5.4	-4.6	-17.4	-4.2	-4.5	-1.0	-5.8	.7	9.3	16.0	12.6	9.1
29	4.2	-3.5	-10.1	-1.7	---	-3.9	-1.3	-4.6	11.6	16.4	13.5	7.7
30	4.2	-1.3	-5.6	4.1	---	-.8	2.4	-4.4	9.8	16.2	9.2	1.6
31	6.4	---	-12.1	1.3	---	-.6	---	1.1	---	15.7	9.0	---
MEAN	6.9	-3.9	-7.0	-6.3	-7.7	-2.7	1.7	2.5	8.2	14.7	11.3	7.8
MAX	11.4	6.3	4.3	4.1	1.9	3.0	9.4	11.1	15.0	18.7	14.7	13.1
MIN	1.1	-13.4	-19.0	-17.2	-23.5	-16.4	-9.2	-4.6	2.4	10.1	2.8	.2
MED	7.0	-3.6	-8.1	-4.9	-6.5	-1.8	3.4	3.2	7.6	15.1	11.8	8.7
WTR YR 1989	MEAN 2.2	MAX 18.7	MIN -23.5	MED 2.6								

EAST STEWART BASIN

VEG SPRING NEAR IONE, NV

DAILY MEAN AIR TEMPERATURE, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.9	-.8	-.9	-4.7	-12.1	e-3.3	e.6	e-4.4	e-1.9	16.0	12.3	12.7
2	-.7	-.3	e3.9	-13.4	-11.1	e-2.9	e1.1	e-1.9	e6.6	12.2	13.9	13.1
3	-4.1	e1.1	e3.1	-12.2	e-4.6	e-3.4	e1.4	e-.5	11.3	e11.3	14.6	12.7
4	-1.6	1.8	e2.9	-9.5	-11.1	e-4.0	e.6	e4.7	11.1	e13.5	15.8	11.8
5	2.5	-.2	.1	-5.0	-7.0	-9.3	e-.3	7.8	e8.4	e13.4	17.3	11.5
6	3.5	-2.9	-3.7	-2.5	-7.1	e-7.6	-.1	e8.4	e5.8	e13.3	17.7	11.8
7	e3.7	e-3.6	e.0	-2.1	-15.6	e-1.7	-1.5	e2.0	e8.9	e13.1	15.5	13.0
8	7.9	e.2	e1.8	.3	-11.7	e-2.6	-4.5	e-.7	e12.0	e12.0	14.3	13.8
9	9.3	e3.7	-2.2	4.1	e-7.5	e-2.0	e-2.5	e5.0	e10.2	e13.0	14.1	14.7
10	10.0	e5.7	-12.0	e4.0	e-4.9	e-4.8	e2.1	1.1	e4.2	13.6	14.0	15.4
11	8.8	6.1	-7.1	e.7	e-.4	e-13.6	e1.3	-.9	e4.0	e14.9	11.3	15.8
12	e9.2	3.7	e-2.4	-2.1	-5.9	e-15.5	e1.4	e1.9	e2.4	15.4	12.1	16.0
13	8.4	e1.6	-3.0	-5.2	-17.8	e-16.3	e6.4	e1.8	e1.4	13.0	13.9	14.3
14	5.7	-1.5	-1.2	-9.7	-23.1	e-9.3	8.0	e.6	e1.0	12.2	14.3	13.5
15	1.2	1.7	e-1.4	-10.4	-17.0	-6.8	5.9	e-1.6	e.5	12.0	9.5	11.3
16	1.8	.1	-4.5	-10.7	e-13.6	e-1.1	1.6	e1.5	e4.1	11.6	10.9	8.6
17	4.4	-1.7	-5.3	-10.9	-13.3	e-2.0	-2.6	e2.5	e7.6	12.1	10.2	6.4
18	6.9	e4.4	-7.7	-11.8	-15.1	e-.6	-1.2	e1.0	e2.3	12.5	4.4	4.0
19	6.8	8.8	e-5.4	e-10.8	e-11.9	e1.3	e1.7	-1.1	e7.1	12.3	.4	4.6
20	3.8	8.3	e-4.1	e-6.6	e-6.1	e1.6	e.9	e1.6	12.0	13.1	2.0	5.9
21	1.6	3.1	-3.8	e-3.0	e-4.0	e1.0	e-1.3	e5.3	15.3	14.6	6.1	6.4
22	1.3	3.6	e.2	e-3.5	e-.9	e1.4	e-1.3	5.9	16.7	15.7	8.7	4.5
23	e1.1	.0	e1.0	-6.1	2.3	.0	-3.9	e1.5	15.8	14.4	10.0	2.6
24	1.4	-4.0	e1.0	e-8.3	e.2	e.5	e-5.5	-4.6	e15.3	12.0	7.8	3.7
25	-7.9	-4.0	e1.3	e-3.2	e.0	e-.3	e-3.3	e2.0	15.6	10.2	7.1	5.4
26	-6.6	-10.3	e.0	-9.9	e-1.3	e-1.4	e-.8	e1.7	13.9	10.6	7.5	5.4
27	-4.6	-12.2	e-1.1	-11.9	e-2.5	-5.1	e1.5	e1.8	13.0	13.6	11.0	3.7
28	-11.2	-5.2	-7.3	-7.5	e-2.0	-7.3	e-1.7	-1.4	14.2	14.4	12.4	2.1
29	-6.1	-1.8	-8.8	-6.9	---	-6.9	-7.0	.1	16.4	16.5	14.3	4.5
30	.7	e-2.8	-3.9	-8.0	---	e-4.3	-7.3	e-.3	e16.4	16.6	11.3	7.6
31	e-1.5	---	e-2.2	-11.3	---	e-2.6	---	e-2.6	---	14.4	11.7	---
MEAN	2.0	.1	-2.3	-6.4	-8.0	-4.2	-.3	1.2	9.1	13.3	11.2	9.2
MAX	10.0	8.8	3.9	4.1	2.3	1.6	8.0	8.4	16.7	16.6	17.7	16.0
MIN	-11.2	-12.2	-12.0	-13.4	-23.1	-16.3	-7.3	-4.6	-1.9	10.2	.4	2.1
MED	1.8	.0	-2.2	-6.9	-7.1	-2.9	-.2	1.5	9.5	13.1	11.7	9.9
CAL YR 1989	MEAN 2.5	MAX 18.7	MIN -23.5	MED 1.8								
WTR YR 1990	MEAN 2.1	MAX 17.7	MIN -23.1	MED 1.3								

e Estimated

EAST STEWART BASIN

VEG SPRING NEAR IONE, NV

DAILY MEAN AIR TEMPERATURE, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.9	-8.3	-7.0	-1.0	.0	-6.3	-3.7	-6.3	3.6	11.7	13.4	11.8
2	4.8	-11.6	-8.4	-1.1	-1.5	-6.9	-3.7	-7.0	7.4	14.6	11.4	13.9
3	5.9	-4.2	-2.8	-2.9	-3.2	-2.9	.0	-5.6	8.2	16.4	12.7	12.4
4	10.1	.3	.4	-4.7	1.1	-2.3	5.4	-1.4	7.2	17.8	12.4	11.6
5	7.8	-6.5	-3.2	-3.6	-3.7	-10.1	5.6	4.6	2.5	17.2	11.6	10.2
6	1.9	-12.4	-1.1	-3.6	-3.4	-13.0	.9	.7	7.3	15.9	12.0	7.3
7	-3.7	-5.2	1.1	-6.0	-1.2	-8.6	-6.0	4.6	7.6	15.5	12.4	6.4
8	-.1	-.8	3.0	-7.4	-1.3	-4.7	-5.3	2.4	8.9	13.6	14.7	6.8
9	6.0	2.9	4.1	-7.4	-1.1	-3.5	-1.9	-9.0	10.4	12.2	16.3	1.7
10	5.8	5.4	3.1	-5.7	-1.0	-5.1	-12.4	-8.4	12.2	12.6	14.9	.6
11	2.8	5.0	-2.2	-2.6	.2	-12.5	-13.0	-5.5	13.5	14.8	13.6	3.2
12	5.9	6.1	-6.2	-2.7	-2.2	-8.4	-8.0	-.1	12.8	16.4	12.8	4.9
13	5.0	7.3	-10.7	-4.2	-2.1	-7.8	-5.7	-.5	9.4	16.9	12.3	7.7
14	7.0	4.0	-12.2	-5.1	1.0	-8.9	-1.5	-3.3	5.9	15.4	13.4	7.2
15	6.8	1.0	-9.7	-7.6	1.2	-10.7	-3.9	1.9	9.3	14.5	10.4	9.1
16	3.1	3.9	-13.9	-9.0	-4.8	-7.5	-6.9	5.2	10.2	14.3	11.8	11.0
17	5.5	-.3	-10.4	-3.7	-9.2	-6.4	-7.0	-6.7	9.9	14.3	13.7	12.1
18	2.6	-.5	-8.2	-1.0	-9.1	-7.5	-3.4	-8.0	11.2	14.3	14.6	12.3
19	-5.7	-3.5	-16.7	-5.2	-2.3	-9.0	-.4	-4.2	6.2	12.1	14.8	12.4
20	-5.4	-11.1	-23.3	-10.1	.3	-9.4	-1.9	-2.2	5.3	10.2	14.9	12.7
21	3.1	-8.6	-25.0	-11.5	1.5	-8.9	-4.1	-1.8	7.1	11.1	16.1	11.0
22	2.9	.1	-22.1	-4.9	-.2	-7.9	-3.8	3.3	8.2	13.6	16.4	11.0
23	4.9	3.4	-14.6	-5.3	-3.3	-5.5	-.8	6.1	8.1	14.9	15.9	10.6
24	7.0	4.4	-9.8	-6.7	-3.2	-6.1	-2.2	6.2	4.1	13.8	15.8	11.7
25	8.7	1.5	-9.6	-5.7	-.5	-10.3	-9.0	5.3	2.6	14.2	14.9	12.4
26	7.2	-14.9	-9.8	-6.1	-.9	-10.7	-7.2	1.4	3.9	14.1	12.3	8.9
27	8.8	-10.4	-4.8	-8.1	-2.2	-8.9	-8.3	.8	2.1	15.6	7.7	6.5
28	7.0	-4.2	-8.4	-9.2	-4.4	-6.3	-4.0	2.8	3.6	15.6	8.9	6.1
29	5.9	2.2	-16.9	-9.1	---	-4.9	-3.2	1.8	1.6	17.0	13.5	6.7
30	4.6	-4.3	-6.3	-2.1	---	-.7	-.1	-4.3	7.7	14.8	15.1	8.3
31	-.4	---	-3.2	-.1	---	-.7	---	-2.8	---	11.9	13.3	---
MEAN	4.3	-2.0	-8.2	-5.3	-2.0	-7.2	-3.9	-1.0	7.3	14.4	13.4	8.9
MAX	10.1	7.3	4.1	-.1	1.5	-.7	5.6	6.2	13.5	17.8	16.4	13.9
MIN	-5.7	-14.9	-25.0	-11.5	-9.2	-13.0	-13.0	-9.0	1.6	10.2	7.7	.6
MED	5.5	-.4	-8.4	-5.2	-1.4	-7.5	-3.7	-.5	7.5	14.5	13.4	9.6
CAL YR 1990	MEAN 1.7	MAX 17.7	MIN -25.0	MED 1.5								
WTR YR 1991	MEAN 1.6	MAX 17.8	MIN -25.0	MED .8								

EAST STEWART BASIN

VEG SPRING NEAR IONE, NV

DAILY MAXIMUM AIR TEMPERATURE, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15.7	8.6	6.3	-5.8	-1.5	.7	-2.2	7.9	9.5	17.5	17.9	15.1
2	15.0	2.9	4.9	-1.3	-8.3	-1.2	-1.3	7.3	11.4	19.7	17.0	16.0
3	14.7	6.9	2.7	.9	-10.5	-9.5	.2	8.7	6.6	21.6	17.8	16.9
4	14.2	4.5	4.4	-1.1	-16.8	-.1	5.6	11.5	4.5	20.5	18.0	18.2
5	10.1	11.1	2.0	-4.4	-20.4	2.6	10.4	14.5	5.5	21.2	19.0	16.7
6	8.9	5.9	2.6	-15.9	-18.1	3.3	12.6	15.5	11.9	21.7	19.6	15.8
7	10.1	4.6	-7.9	-14.1	-13.2	3.3	11.5	13.5	10.3	23.2	20.4	7.2
8	10.5	-2.2	-3.1	-7.3	-4.6	3.3	10.6	12.5	11.4	20.5	14.1	11.9
9	9.9	1.2	.4	-3.8	-1.8	5.0	9.2	9.0	7.9	17.5	13.5	13.2
10	7.4	.4	3.9	-4.5	-5.7	4.8	11.3	.4	12.7	17.4	15.5	12.4
11	4.3	-2.3	4.0	-12.5	-8.7	4.4	6.2	-1.6	10.9	16.9	16.8	10.2
12	5.6	3.2	7.7	-2.8	-8.5	4.7	6.1	-.8	15.1	11.8	18.3	10.4
13	7.2	2.6	4.9	-1.6	-10.4	-2.9	10.0	-2.4	17.8	17.6	19.8	13.3
14	4.7	-7.1	-.5	-9.9	-7.9	-2.9	11.2	-.4	20.3	20.2	18.8	14.6
15	9.2	-8.2	-9.1	-5.6	-.2	2.0	7.4	1.0	19.5	18.5	19.4	16.2
16	12.3	-4.7	-7.5	-.8	-3.6	.1	9.4	4.6	12.7	16.9	18.9	12.5
17	12.4	-9.6	-5.2	-.6	1.2	-1.0	11.4	11.3	17.0	19.7	16.2	5.6
18	13.7	-10.4	-6.6	3.5	1.4	-.1	12.9	7.4	20.1	22.3	16.1	2.9
19	10.6	-.6	-8.9	.4	-4.7	-2.9	13.1	8.4	18.5	23.4	15.0	5.6
20	12.2	-3.9	-5.3	2.3	-5.5	-.1	12.4	11.9	10.8	22.0	11.2	8.8
21	13.0	-1.2	-7.9	2.2	-.8	3.5	11.0	11.9	11.0	17.8	14.4	11.6
22	11.8	1.2	-9.9	-1.1	4.0	3.1	2.0	13.0	14.4	19.5	17.0	13.1
23	12.9	.9	-9.3	-5.3	3.4	1.0	1.7	4.7	10.4	15.6	8.2	14.2
24	11.6	-7.1	-8.6	-6.7	4.2	2.7	-4.3	.9	9.9	16.5	9.1	15.2
25	11.1	-8.1	-15.5	-6.6	3.3	-.5	-4.6	4.6	12.8	20.4	12.2	12.2
26	10.1	-8.0	-16.2	-2.4	1.0	-5.0	-4.6	10.4	15.3	21.0	14.8	13.8
27	9.9	2.9	-9.8	-1.7	-2.8	-.9	-4.2	11.9	11.4	20.5	16.1	13.1
28	8.6	.4	-15.6	-2.6	-1.0	2.8	-2.4	5.0	14.2	20.1	17.8	12.6
29	7.6	-1.6	-5.8	.5	---	-.9	3.9	-1.2	15.9	21.1	18.1	10.9
30	8.3	-.3	-2.7	8.3	---	3.6	5.1	-2.3	15.2	20.7	14.3	4.3
31	9.8	---	-9.7	4.7	---	2.0	---	4.9	---	20.5	14.6	---
MAX	15.7	11.1	7.7	8.3	4.2	5.0	13.1	15.5	20.3	23.4	20.4	18.2
WTR YR 1989	MAX 23.4											

EAST STEWART BASIN

VEG SPRING NEAR IONE, NV

DAILY MAXIMUM AIR TEMPERATURE, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.4	3.0	3.1	-1.8	-9.7	-1.3	6.2	.1	3.0	20.3	16.7	17.5
2	4.1	2.9	7.8	-10.1	-5.4	-1.5	3.2	.4	12.4	16.0	18.5	17.3
3	-2.4	3.7	5.2	-9.1	-1.4	-.4	3.7	3.4	16.8	16.4	19.6	17.2
4	2.7	4.8	4.9	-6.2	-8.0	-1.3	3.0	10.4	15.7	18.7	20.2	15.8
5	7.4	2.7	2.6	-2.4	-3.7	-8.1	3.1	13.7	13.6	19.5	21.5	16.6
6	7.9	1.5	-1.2	-.9	-5.1	-2.7	2.4	12.8	10.4	17.8	21.9	16.4
7	9.3	.1	2.5	.1	-11.8	2.4	3.2	7.5	15.1	19.0	18.7	17.8
8	12.0	3.8	3.7	2.5	-8.5	.2	-3.1	2.7	17.5	17.4	18.4	18.8
9	13.9	5.8	.0	5.9	-5.3	1.5	1.1	8.9	15.1	18.3	18.3	19.7
10	13.0	9.9	-8.7	7.0	-1.7	.0	7.0	3.3	7.8	16.9	19.1	19.8
11	12.9	10.0	-3.2	3.3	3.8	-8.0	4.4	2.7	8.6	18.6	16.4	20.2
12	14.1	6.7	-1.1	-.2	-2.5	-10.3	5.6	8.5	7.9	18.7	17.0	20.0
13	13.2	5.2	-1.3	-3.9	-12.9	-12.2	10.1	8.3	8.2	16.5	18.6	18.9
14	8.7	.1	1.2	-8.4	-21.3	-6.1	11.2	4.1	4.7	16.2	18.7	18.0
15	4.6	4.3	1.9	-9.2	-12.7	-2.6	9.4	2.1	3.3	15.9	12.8	15.5
16	6.0	3.1	-2.6	-8.6	-11.8	4.2	5.3	7.9	9.8	14.8	15.6	13.2
17	8.8	.2	-3.7	-9.8	-10.2	1.4	-1.0	8.0	14.5	16.0	14.9	9.6
18	11.3	7.6	-5.6	-9.5	-12.3	3.9	2.4	7.3	6.7	16.5	8.0	6.8
19	10.9	12.1	-3.4	-7.2	-8.7	5.8	5.5	2.8	13.8	16.1	3.7	8.1
20	6.6	12.5	-1.4	-3.0	-1.2	6.1	2.3	7.7	18.5	18.2	7.7	9.9
21	3.8	6.2	.5	1.2	-1.2	3.3	2.5	12.2	20.9	19.9	11.1	10.8
22	6.2	6.9	2.9	.3	4.0	4.2	1.6	11.4	21.6	21.1	14.5	7.9
23	4.1	2.2	5.4	-3.5	6.7	4.0	-1.7	8.0	20.2	19.3	14.3	5.4
24	5.9	-1.7	4.4	-3.9	4.4	2.8	-2.7	.2	20.4	16.8	12.2	6.6
25	-3.7	-.7	3.9	-1.0	2.4	4.8	.9	6.3	21.1	16.0	12.2	11.5
26	-2.5	-4.4	4.3	-2.7	1.7	3.5	3.1	6.4	18.7	16.4	12.5	10.6
27	-1.2	-9.3	.6	-7.5	-.7	-.9	5.6	3.8	18.5	19.3	16.5	8.7
28	-8.0	-1.9	-3.5	-5.3	-.5	-4.7	3.4	-.3	19.7	19.0	17.6	4.7
29	-2.5	1.6	-5.8	-4.5	---	-3.9	-3.2	2.4	21.5	21.3	19.1	8.8
30	3.4	-.7	-1.5	-4.7	---	.3	-4.0	2.8	20.6	20.6	15.7	11.9
31	.5	---	-.2	-6.3	---	2.9	---	.0	---	18.8	17.3	---
MAX	14.1	12.5	7.8	7.0	6.7	6.1	11.2	13.7	21.6	21.3	21.9	20.2
CAL YR 1989	MAX 23.4											
WTR YR 1990	MAX 21.9											

EAST STEWART BASIN

VEG SPRING NEAR IONE, NV

DAILY MAXIMUM AIR TEMPERATURE, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.9	-4.5	-3.8	4.2	6.1	-3.0	1.2	-1.3	9.4	18.7	19.3	16.7
2	9.0	-6.7	-3.2	5.0	2.9	-3.4	1.9	-5.8	13.1	20.9	17.4	19.3
3	12.1	.9	4.1	.2	1.9	-1.1	6.6	-1.3	12.2	22.3	18.9	16.4
4	14.8	5.7	4.6	-3.7	6.2	-.5	11.5	6.1	12.2	23.7	18.0	17.0
5	12.3	-2.1	.9	2.6	.4	-6.2	9.0	12.8	8.4	22.8	17.3	13.8
6	5.5	-10.3	7.2	-1.6	3.9	-8.9	5.2	4.5	13.8	22.3	18.0	9.0
7	-.1	2.2	5.4	-2.5	6.1	-.3	-.9	11.5	14.3	21.2	18.9	10.8
8	5.8	1.9	8.7	-.8	6.6	-.5	2.1	6.6	15.0	17.6	21.3	11.7
9	12.4	9.2	10.0	-1.6	6.0	-.4	2.2	-6.2	17.5	16.2	22.0	6.6
10	11.1	11.3	8.1	-4.0	7.3	.0	-7.9	-1.1	18.6	18.7	20.5	5.3
11	8.5	9.0	2.4	1.1	6.3	-8.6	-9.7	1.1	19.0	20.8	19.5	7.5
12	10.1	11.8	-1.0	.0	1.6	-3.2	-3.0	8.6	19.0	21.9	17.6	10.8
13	9.4	10.9	-7.5	-2.6	2.1	-1.7	-.4	5.8	14.9	22.0	17.2	13.2
14	12.2	8.1	-6.7	-1.5	7.9	-2.0	4.4	1.9	11.4	21.7	18.2	12.5
15	11.7	5.3	-5.9	-5.0	4.6	-6.5	.5	10.6	15.7	19.8	14.2	14.7
16	5.3	7.8	-6.0	-5.2	-3.0	.4	-1.0	12.1	16.2	20.1	18.2	17.8
17	11.4	2.5	-7.1	.1	-7.6	-2.3	-2.7	.2	15.5	20.3	19.2	18.8
18	5.5	2.5	-5.6	5.8	-2.2	-5.0	5.3	-3.9	15.6	20.5	21.0	18.2
19	-2.4	-.4	-10.5	-.6	4.7	-5.0	5.4	3.0	11.8	16.9	20.0	18.0
20	1.9	-6.1	-21.8	-5.7	7.0	-5.4	5.0	2.7	11.9	15.4	20.1	18.8
21	11.0	-5.4	-20.1	-6.9	7.0	-5.5	.7	3.4	12.8	16.9	21.7	16.3
22	6.7	8.6	-17.0	-1.0	5.0	-1.7	.5	8.9	15.3	18.6	22.4	16.7
23	10.7	8.3	-6.9	-.2	3.2	-1.0	6.6	12.9	15.0	21.0	20.9	16.2
24	12.6	10.1	-2.8	-1.4	4.5	-.4	2.9	14.3	9.3	20.4	21.5	18.3
25	13.7	5.1	-3.1	.1	8.0	-6.1	-6.4	10.3	8.3	19.7	20.9	18.0
26	13.3	-9.9	-5.9	.6	5.3	-4.0	-2.6	6.5	10.5	19.8	17.5	13.5
27	15.0	-5.3	-.1	-2.1	2.7	-3.1	-3.9	7.5	4.3	20.8	12.5	10.7
28	12.6	2.4	-5.6	-3.9	1.1	.8	3.3	9.7	8.4	20.1	16.1	10.0
29	12.1	7.0	-10.3	-2.1	---	1.7	.5	6.2	6.4	22.6	19.6	12.3
30	11.2	-.8	-1.3	3.8	---	7.2	7.6	-1.7	14.8	20.2	20.1	14.1
31	2.1	---	3.9	4.5	---	4.6	---	.0	---	13.5	18.1	---
MAX	15.0	11.8	10.0	5.8	8.0	7.2	11.5	14.3	19.0	23.7	22.4	19.3
CAL YR 1990	MAX 21.9											
WTR YR 1991	MAX 23.7											

EAST STEWART BASIN

VEG SPRING NEAR IONE, NV

DAILY MINIMUM AIR TEMPERATURE, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.5	.2	-.1	-15.3	-11.1	-4.7	-7.5	1.2	1.2	7.1	8.4	7.3
2	9.3	-.2	-1.4	-6.6	-12.3	-12.7	-4.2	.5	3.1	10.6	8.6	7.9
3	7.7	-.8	-1.8	-2.5	-16.5	-19.0	-5.0	.0	.0	12.2	9.0	7.7
4	7.7	-.7	-1.5	-7.1	-23.4	-10.0	-3.6	2.3	.9	9.7	8.7	8.6
5	4.5	1.5	-.9	-15.8	-25.4	-3.2	2.2	6.4	.9	12.5	10.3	8.6
6	3.5	-1.9	-7.6	-18.4	-23.5	-.8	4.5	8.2	.8	12.1	8.1	2.5
7	3.0	-5.1	-10.2	-18.4	-19.7	-1.0	5.4	7.5	3.7	13.2	8.8	-1.5
8	4.4	-7.9	-10.9	-19.1	-13.9	-.7	3.5	5.5	3.8	12.7	7.0	.8
9	4.4	-8.6	-3.8	-7.2	-7.8	.7	2.8	.7	3.0	8.2	8.9	4.7
10	3.5	-6.1	-2.3	-17.7	-11.3	1.6	.0	-5.3	3.5	7.2	7.6	5.6
11	-1.2	-8.9	-2.2	-17.6	-12.7	-1.0	-1.5	-5.4	2.4	9.4	8.6	2.6
12	-.9	-3.5	1.3	-13.5	-15.0	-3.0	-2.4	-7.2	5.5	7.9	9.8	.6
13	-.6	-5.9	-1.1	-9.5	-16.9	-10.8	1.3	-6.1	8.9	9.1	10.8	3.5
14	-2.1	-12.5	-18.4	-15.6	-13.9	-11.5	4.1	-4.5	10.1	10.9	11.2	7.0
15	2.4	-12.7	-18.2	-14.4	-10.8	-5.7	1.9	-3.9	7.3	10.5	11.4	7.7
16	6.1	-10.2	-10.4	-8.2	-5.8	-12.0	.6	-2.4	3.3	8.4	10.1	5.4
17	6.8	-13.3	-7.1	-5.0	-5.1	-12.5	3.5	1.2	6.0	8.5	8.0	-1.8
18	7.0	-15.5	-10.4	-1.4	-5.3	-3.2	4.4	-3.6	10.8	11.4	7.0	-2.4
19	5.7	-9.9	-10.8	-4.3	-9.5	-11.2	6.8	-3.5	7.9	15.3	6.7	-1.4
20	4.7	-8.1	-11.1	-4.0	-11.0	-13.5	5.8	2.2	-.4	11.7	3.2	.6
21	7.0	-7.0	-16.0	-3.2	-4.9	-2.9	-2.9	.4	-1.2	10.3	5.3	2.7
22	5.0	-3.2	-14.8	-5.5	-.9	-3.9	-6.5	3.3	4.3	9.9	8.1	4.4
23	6.9	-13.1	-17.3	-10.4	-1.4	-3.1	-7.0	-6.2	1.7	8.7	-1.0	6.5
24	5.5	-14.5	-14.7	-11.3	.4	-1.8	-12.4	-8.2	1.5	8.5	-3.1	8.7
25	4.9	-10.9	-18.8	-12.2	.0	-9.6	-12.3	-5.4	2.4	10.0	1.8	6.2
26	4.4	-12.1	-21.3	-8.3	-5.1	-10.8	-10.1	-1.9	6.7	14.0	4.7	7.9
27	3.7	-9.6	-16.9	-6.0	-8.3	-8.1	-9.0	2.3	4.9	12.4	7.4	7.1
28	3.3	-7.5	-18.9	-6.1	-7.4	-5.2	-8.6	-5.6	4.7	12.6	7.4	6.6
29	1.9	-7.3	-15.3	-5.4	---	-6.2	-7.1	-6.3	8.4	12.9	10.1	4.6
30	1.2	-2.4	-9.8	.6	---	-5.2	-.6	-6.8	6.3	12.9	4.8	-1.0
31	4.3	---	-15.0	-1.5	---	-4.0	---	-3.5	---	13.0	4.2	---
MIN	-2.1	-15.5	-21.3	-19.1	-25.4	-19.0	-12.4	-8.2	-1.2	7.1	-3.1	-2.4
WTR YR 1989	MIN -25.4											

EAST STEWART BASIN

VEG SPRING NEAR IONE, NV

DAILY MINIMUM AIR TEMPERATURE, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.6	---	---	---	---	---	---	---	---	---	9.2	9.3
2	-4.4	---	---	---	---	---	---	---	---	---	10.1	9.5
3	-5.4	---	---	---	---	---	---	---	---	---	10.3	9.6
4	-5.3	---	---	---	---	---	---	---	---	---	11.8	8.5
5	-1.5	---	---	---	---	---	---	---	---	---	13.4	7.4
6	.7	---	---	---	---	---	---	---	---	---	14.7	8.5
7	---	---	---	---	---	---	---	---	---	---	13.0	9.6
8	---	---	---	---	---	---	---	---	---	---	10.4	9.9
9	---	---	---	---	---	---	---	---	---	---	10.9	10.8
10	---	---	---	---	---	---	---	---	---	---	9.1	12.1
11	---	---	---	---	---	---	---	---	---	---	7.4	12.8
12	---	---	---	---	---	---	---	---	---	---	8.7	12.9
13	---	---	---	---	---	---	---	---	---	8.9	9.8	11.0
14	---	---	---	---	---	---	---	---	---	9.7	11.1	10.1
15	---	---	---	---	---	---	---	---	---	9.5	5.6	7.1
16	---	---	---	---	---	---	---	---	---	7.0	7.9	5.7
17	---	---	---	---	---	---	---	---	---	8.8	6.4	4.4
18	---	---	---	---	---	---	---	---	---	9.5	-.4	1.1
19	---	---	---	---	---	---	---	---	---	9.4	-1.9	2.4
20	---	---	---	---	---	---	---	---	---	9.0	-2.1	2.6
21	---	---	---	---	---	---	---	---	---	9.9	2.4	2.8
22	---	---	---	---	---	---	---	---	---	12.0	3.8	2.5
23	---	---	---	---	---	---	---	---	---	10.4	6.2	1.1
24	---	---	---	---	---	---	---	---	---	7.5	3.9	1.3
25	---	---	---	---	---	---	---	---	---	6.0	3.3	2.6
26	---	---	---	---	---	---	---	---	---	5.2	2.9	1.9
27	---	---	---	---	---	---	---	---	---	8.3	6.6	.8
28	---	---	---	---	---	---	---	---	---	10.5	8.4	.0
29	---	---	---	---	---	---	---	---	---	12.3	10.9	1.0
30	---	---	---	---	---	---	---	---	---	13.5	8.2	4.4
31	---	---	---	---	---	---	---	---	---	11.6	7.3	---
MIN	---	---	---	---	---	---	---	---	---	---	-2.1	.0

EAST STEWART BASIN

VEG SPRING NEAR IONE, NV

DAILY MINIMUM AIR TEMPERATURE, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.0	-13.1	-10.3	-3.3	-2.1	-8.9	-6.2	-8.2	-1.0	5.1	8.4	8.4
2	1.0	-16.4	-11.9	-3.6	-5.6	-11.2	-7.7	-7.8	2.9	9.0	6.2	10.9
3	.4	-7.8	-7.0	-6.0	-5.9	-4.1	-6.0	-8.4	4.3	11.0	6.9	9.1
4	6.6	-2.9	-1.1	-6.0	-2.1	-6.0	.7	-8.3	.5	12.5	8.8	8.5
5	3.6	-12.1	-5.6	-5.4	-6.5	-14.3	3.6	-.9	-2.6	12.2	7.5	7.2
6	-2.0	-13.7	-4.8	-5.9	-6.7	-16.6	-6.1	-2.1	1.7	11.1	7.8	4.7
7	-6.5	-13.8	-.8	-9.4	-4.1	-15.4	-9.9	-1.8	2.1	11.7	7.6	4.3
8	-5.6	-3.1	-.2	-9.9	-4.8	-8.0	-11.5	-8.5	3.9	10.6	9.0	2.6
9	1.7	-.9	2.4	-9.4	-3.7	-6.9	-7.4	-12.0	5.4	9.1	12.1	-2.6
10	2.3	2.7	.5	-8.7	-4.4	-11.4	-16.7	-12.1	7.3	6.9	11.1	-2.9
11	-.9	2.8	-5.5	-4.7	-2.3	-15.0	-17.4	-11.0	8.8	9.5	9.8	.7
12	3.6	3.4	-7.7	-4.4	-4.0	-12.8	-10.7	-6.7	7.5	12.4	9.0	.5
13	2.7	5.5	-15.1	-6.5	-4.6	-11.9	-11.4	-6.1	3.1	13.0	9.0	2.7
14	3.2	-1.1	-18.0	-7.0	-2.4	-11.9	-5.1	-6.3	1.2	10.9	9.0	4.0
15	4.0	-1.5	-13.3	-11.9	-2.9	-13.9	-10.2	-6.4	3.2	10.2	8.1	5.0
16	-1.3	.4	-16.2	-13.0	-7.4	-13.3	-12.1	.3	5.7	9.5	7.6	6.4
17	.0	-2.6	-14.9	-6.8	-11.2	-9.1	-10.7	-10.9	4.3	10.0	9.2	7.2
18	-2.0	-2.6	-9.6	-4.1	-12.8	-9.3	-9.7	-10.5	4.7	9.1	11.8	8.6
19	-10.8	-6.2	-21.8	-8.1	-6.9	-12.4	-5.0	-9.9	-.1	7.1	11.4	8.5
20	-10.9	-14.1	-24.9	-14.3	-2.4	-11.6	-6.1	-4.8	-.2	6.7	10.7	9.4
21	-3.3	-11.2	-26.9	-14.2	-2.4	-10.6	-7.4	-4.0	2.6	5.9	11.7	7.8
22	1.2	-7.5	-27.0	-7.2	-3.3	-13.0	-6.7	-2.7	1.9	9.1	12.4	7.1
23	1.8	2.1	-18.1	-7.5	-6.7	-8.5	-6.1	1.1	3.0	10.8	12.0	7.4
24	3.7	1.6	-13.6	-9.5	-6.7	-9.7	-6.3	2.5	-.1	9.6	11.9	7.7
25	6.3	-9.7	-13.2	-8.8	-3.9	-13.9	-10.6	.3	-1.6	9.9	10.6	9.3
26	5.2	-17.9	-12.7	-8.7	-3.5	-14.6	-11.7	-2.5	-2.0	9.6	9.0	5.6
27	5.4	-14.0	-7.2	-10.2	-5.1	-11.4	-13.7	-4.8	-.4	11.9	.7	3.8
28	4.9	-9.7	-14.9	-16.4	-6.4	-11.7	-10.5	-2.8	-.5	13.0	2.0	3.4
29	3.5	-1.4	-22.8	-16.6	---	-9.3	-7.6	-2.3	-1.9	12.8	9.2	4.1
30	1.9	-7.0	-10.2	-7.0	---	-6.7	-6.9	-7.2	1.3	11.6	12.2	4.4
31	-4.4	---	-6.8	-1.9	---	-3.8	---	-6.7	---	9.5	9.9	---
MIN	-10.9	-17.9	-27.0	-16.6	-12.8	-16.6	-17.4	-12.1	-2.6	5.1	.7	-2.9
WTR YR 1991	MIN -27.0											

EAST STEWART BASIN

VEG SPRING NEAR IONE, NV

DAILY MEAN SOIL TEMPERATURE, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.1	3.7	-2.7	-3.7	-4.1	-4.7	-1.0	1.8	3.8	14.1	18.4	15.1
2	9.3	2.8	-2.8	-3.8	-5.2	-4.2	-1.0	3.5	6.2	15.2	18.1	14.9
3	9.6	3.3	-3.1	-3.6	-6.1	-4.5	-1.4	4.5	6.5	16.1	18.1	15.4
4	9.0	2.7	-3.4	-3.5	-6.8	-4.8	-.9	6.1	5.1	16.6	18.3	15.8
5	8.8	2.7	-3.6	-3.3	-8.2	-4.3	-.1	7.7	5.3	16.6	18.2	15.9
6	7.9	3.0	-3.6	-3.3	-9.6	-3.1	-.1	8.4	6.1	17.0	17.8	15.0
7	7.5	1.8	-3.6	-3.4	-10.4	-2.2	1.2	8.3	7.5	17.4	16.3	13.4
8	7.3	1.0	-3.7	-3.5	-10.0	-1.9	2.5	7.6	7.6	17.1	14.3	12.9
9	6.8	.7	-3.8	-3.6	-8.1	-1.6	3.1	6.8	6.5	15.7	12.9	13.5
10	5.7	.5	-3.5	-3.4	-7.6	-1.4	3.0	3.9	6.3	15.2	13.0	12.9
11	4.3	.4	-4.1	-3.4	-7.6	-1.7	3.2	2.5	7.0	15.4	14.0	12.3
12	3.2	.3	-3.9	-3.4	-7.2	-1.7	3.8	1.8	7.5	14.7	16.0	11.3
13	2.5	.2	-3.3	-3.6	-6.6	-1.8	4.3	1.3	10.3	13.9	16.2	12.0
14	2.5	.2	-3.9	-3.7	-6.2	-2.9	5.2	1.1	12.1	14.9	16.7	14.4
15	3.0	.2	-4.8	-4.1	-5.9	-3.3	5.5	1.0	12.8	16.2	17.1	14.0
16	3.8	.1	-5.0	-4.4	-5.6	-2.3	5.5	.9	12.1	15.9	17.3	13.4
17	4.3	.0	-4.7	-4.5	-5.2	-3.9	6.1	3.1	12.0	16.4	17.4	8.9
18	4.5	-.1	-4.1	-4.5	-4.9	-3.3	6.8	5.2	13.5	17.1	16.7	4.6
19	4.6	-.1	-3.8	-4.4	-4.5	-2.7	7.4	5.7	14.4	17.4	15.5	4.9
20	4.3	-.1	-3.6	-4.5	-4.7	-3.7	7.9	7.1	13.7	17.7	13.8	6.7
21	4.3	-.1	-3.5	-4.6	-5.1	-3.5	7.7	7.5	12.5	16.4	11.8	7.7
22	4.3	-.2	-3.6	-4.5	-4.4	-2.0	5.8	8.3	12.9	15.1	13.5	8.2
23	4.3	-.2	-4.1	-4.2	-3.9	-1.7	4.7	7.4	13.5	13.5	13.2	9.1
24	4.2	-.8	-4.1	-4.3	-3.7	-2.1	2.7	5.6	12.4	13.1	12.1	9.8
25	4.2	-1.4	-3.9	-4.9	-3.4	-1.7	1.4	5.3	11.9	13.6	13.0	9.6
26	4.2	-1.4	-3.9	-5.1	-3.2	-1.9	.7	6.8	12.9	16.3	13.8	9.5
27	3.9	-1.6	-4.1	-5.1	-3.6	-2.0	.3	8.2	12.2	17.5	14.8	10.0
28	3.7	-1.6	-4.2	-5.2	-4.4	-1.8	.2	7.4	11.9	18.1	15.4	9.7
29	3.8	-2.3	-4.1	-5.0	---	-1.9	.1	4.8	13.0	18.4	16.0	8.9
30	3.3	-2.6	-4.0	-4.6	---	-2.2	.1	3.0	13.7	18.5	15.7	8.4
31	3.0	---	-3.8	-4.4	---	-1.4	---	2.1	---	18.7	15.2	---
MEAN	5.2	.4	-3.8	-4.1	-5.9	-2.7	2.8	5.0	10.1	16.1	15.5	11.3
MAX	9.6	3.7	-2.7	-3.3	-3.2	-1.4	7.9	8.4	14.4	18.7	18.4	15.9
MIN	2.5	-2.6	-5.0	-5.2	-10.4	-4.8	-1.4	.9	3.8	13.1	11.8	4.6
MED	4.3	.1	-3.8	-4.2	-5.4	-2.2	2.8	5.3	11.9	16.3	15.7	11.6
WTR YR 1989	MEAN 4.2	MAX 18.7	MIN -10.4	MED 3.3								

EAST STEWART BASIN

VEG SPRING NEAR IONE, NV

DAILY MEAN SOIL TEMPERATURE, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.2	-1.5	-5.5	-4.7	-6.9	-4.1	.1	.2	.9	17.2	16.3	17.4
2	5.8	-1.9	-5.2	-4.6	-6.5	-3.8	.2	.2	1.3	16.0	16.6	17.7
3	3.8	-1.8	-4.9	-4.4	-6.3	-3.4	.2	1.2	5.5	15.9	17.2	18.0
4	3.6	-1.4	-4.5	-4.5	-5.9	-3.5	.2	3.1	8.7	16.9	17.2	18.3
5	3.5	-1.0	-3.8	-4.5	-5.7	-3.5	.2	5.2	9.8	17.7	18.3	17.8
6	3.9	-1.7	-3.5	-4.5	-5.5	-3.5	.2	6.0	9.8	18.2	19.9	17.6
7	4.2	-2.4	-4.6	-4.0	-5.2	-3.4	.2	5.3	10.3	18.5	18.2	17.6
8	5.0	-3.0	-3.9	-3.1	-5.1	-3.3	.2	5.7	12.4	18.8	16.3	18.1
9	6.0	-2.5	-3.7	-3.1	-5.0	-3.2	.2	6.1	12.5	18.7	16.4	18.6
10	6.4	-1.6	-5.6	-2.6	-4.7	-3.2	.2	3.9	9.7	17.2	17.8	19.0
11	6.5	-1.0	-8.0	-2.4	-4.5	-3.1	.2	2.8	8.1	15.9	14.7	19.2
12	6.3	-.8	-7.5	-2.7	-4.2	-3.1	.2	4.2	8.9	16.3	13.8	19.2
13	6.5	-1.3	-6.9	-3.0	-4.9	-3.1	.2	5.4	8.4	14.8	15.9	18.9
14	6.2	-2.4	-7.1	-3.2	-6.3	-3.1	.2	5.9	7.1	13.8	17.7	18.7
15	4.4	-2.9	-6.3	-4.1	-7.3	-3.1	.2	5.0	7.2	12.9	12.4	18.1
16	3.5	-2.4	-7.1	-4.3	-7.5	-3.0	.2	5.9	7.6	13.1	12.6	16.8
17	3.7	-2.2	-7.4	-4.2	-7.4	-2.9	.2	7.0	9.8	13.7	14.8	15.0
18	4.3	-3.0	-7.8	-4.3	-7.1	-2.7	.2	6.5	9.6	13.2	12.4	13.3
19	4.6	-1.8	-8.3	-4.9	-6.6	-2.2	.2	5.8	10.6	12.6	8.2	11.5
20	4.0	-1.3	-8.1	-5.5	-6.2	-1.4	.2	5.3	11.8	14.1	8.4	11.8
21	4.4	-1.8	-7.6	-5.7	-5.9	-.8	.2	6.5	13.8	16.3	10.0	12.0
22	3.5	-2.2	-6.7	-5.7	-5.5	-.5	.2	8.0	15.4	17.1	11.5	10.7
23	3.3	-1.9	-6.0	-5.7	-5.3	-.3	.2	6.3	16.1	17.5	12.3	9.0
24	3.3	-1.5	-5.4	-6.0	-5.0	-.2	.2	3.6	16.5	17.1	12.4	8.6
25	2.6	-1.9	-5.7	-5.8	-4.8	-.1	.2	3.8	17.0	16.4	12.6	8.7
26	1.8	-2.4	-5.8	-5.9	-4.5	-.1	.2	5.1	17.2	16.8	13.3	7.5
27	1.5	-3.7	-5.1	-7.8	-4.4	.0	.2	5.3	16.5	18.2	14.7	6.9
28	.9	-4.7	-5.0	-8.6	-4.3	.0	.2	2.9	16.8	17.2	15.5	5.6
29	.2	-5.0	-4.9	-7.5	---	.1	.2	1.7	17.5	18.2	16.8	5.8
30	-.4	-5.1	-5.0	-7.1	---	.1	.2	1.3	17.4	19.7	17.4	6.9
31	-.9	---	-5.0	-7.2	---	.1	---	1.1	---	18.2	17.5	---
MEAN	3.9	-2.3	-5.9	-4.9	-5.7	-2.1	.2	4.4	11.1	16.4	14.8	14.1
MAX	7.2	-.8	-3.5	-2.4	-4.2	.1	.2	8.0	17.5	19.7	19.9	19.2
MIN	-.9	-5.1	-8.3	-8.6	-7.5	-4.1	.1	.2	.9	12.6	8.2	5.6
MED	3.9	-1.9	-5.6	-4.5	-5.5	-3.0	.2	5.2	10.0	16.9	15.5	17.1
CAL YR 1989	MEAN 3.7	MAX 18.7	MIN -10.4	MED 3.0								
WTR YR 1990	MEAN 3.7	MAX 19.9	MIN -8.6	MED .2								

EAST STEWART BASIN

VEG SPRING NEAR IONE, NV

DAILY MEAN SOIL TEMPERATURE, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.8	1.0	-2.6	-9.1	-7.6	-4.0	-3.0	-1.4	-.1	9.3	13.8	14.1
2	8.0	.6	-3.6	-9.0	-7.0	-4.5	-2.8	-1.3	-.1	11.4	14.7	13.4
3	7.3	.1	-4.5	-7.8	-6.4	-4.7	-2.7	-1.3	-.1	13.4	14.0	12.5
4	8.1	-.2	-4.2	-6.3	-5.6	-3.9	-2.6	-1.3	-.1	14.7	15.0	10.9
5	7.8	-.3	-4.0	-6.7	-4.7	-4.1	-2.4	-1.2	-.1	15.1	14.9	10.9
6	6.8	-1.5	-5.1	-7.0	-4.5	-5.6	-2.2	-.8	-.1	15.0	15.5	10.6
7	6.4	-2.3	-5.0	-6.3	-4.9	-6.4	-2.0	-.5	-.1	15.0	16.2	9.9
8	4.4	-1.0	-5.1	-6.8	-5.2	-6.5	-1.9	-.1	-.1	14.2	16.6	10.1
9	4.7	-1.3	-4.8	-7.6	-5.4	-6.1	-1.8	-.1	-.1	12.8	17.6	7.3
10	5.2	-1.8	-4.3	-7.2	-5.5	-6.0	-1.8	-.1	-.1	13.0	17.8	5.0
11	5.0	-1.4	-3.1	-6.2	-5.4	-5.8	-1.9	-.1	-.1	14.5	16.4	5.7
12	4.8	-1.3	-2.8	-5.4	-5.0	-5.8	-1.9	-.1	-.1	15.6	15.3	7.2
13	5.3	-.7	-3.0	-4.7	-4.2	-5.5	-2.0	-.1	.3	16.2	14.2	8.9
14	5.2	-.4	-3.6	-4.5	-3.9	-5.1	-2.0	-.1	1.9	16.5	14.1	10.4
15	5.8	-.3	-4.3	-4.5	-3.0	-4.7	-2.0	-.1	3.5	16.5	13.2	10.6
16	5.7	-.3	-4.3	-4.7	-2.4	-4.5	-2.0	-.1	4.9	16.4	12.8	11.5
17	4.3	-.3	-4.0	-5.0	-3.0	-4.3	-2.0	-.1	5.8	16.8	13.9	12.1
18	4.9	-.2	-3.9	-4.9	-3.5	-4.1	-2.0	-.1	6.8	16.8	15.3	12.9
19	3.3	-.3	-5.5	-5.2	-3.8	-4.0	-2.0	-.1	6.5	16.2	15.9	13.1
20	2.3	-.4	-6.6	-5.8	-4.1	-3.9	-2.0	-.1	6.1	14.8	16.8	13.0
21	1.5	-.9	-7.9	-6.4	-4.2	-3.8	-2.0	-.1	7.5	13.5	17.7	12.9
22	1.4	-1.4	-9.3	-6.9	-4.0	-3.7	-1.9	-.1	8.7	13.7	18.1	12.7
23	1.5	-1.6	-9.7	-6.9	-4.4	-3.6	-1.9	-.1	9.5	15.4	17.9	12.6
24	2.1	-2.1	-9.6	-6.9	-5.1	-3.5	-1.8	-.1	8.3	15.3	17.2	12.4
25	2.5	-2.3	-9.0	-8.0	-5.5	-3.4	-1.7	-.1	6.9	15.3	17.3	12.1
26	3.2	-2.3	-8.4	-8.3	-5.1	-3.3	-1.7	-.1	6.5	14.5	15.8	11.3
27	3.0	-2.2	-8.2	-8.8	-4.7	-3.3	-1.7	-.1	6.1	14.2	14.3	8.6
28	2.9	-2.2	-8.2	-9.2	-3.9	-3.2	-1.7	-.1	5.9	14.5	13.2	6.3
29	2.9	-2.2	-10.0	-9.6	---	-3.2	-1.6	-.1	5.5	15.0	15.1	7.0
30	2.4	-2.0	-10.7	-9.5	---	-3.1	-1.5	-.1	6.8	15.0	16.4	7.7
31	1.9	---	-10.0	-8.3	---	-3.1	---	-.1	---	13.5	16.1	---
MEAN	4.5	-1.1	-6.0	-6.9	-4.7	-4.4	-2.0	-.3	3.5	14.6	15.6	10.5
MAX	8.1	1.0	-2.6	-4.5	-2.4	-3.1	-1.5	-.1	9.5	16.8	18.1	14.1
MIN	1.4	-2.3	-10.7	-9.6	-7.6	-6.5	-3.0	-1.4	-.1	9.3	12.8	5.0
MED	4.7	-1.2	-5.0	-6.9	-4.7	-4.1	-2.0	-.1	4.2	15.0	15.5	10.9
CAL YR 1990	MEAN 3.9	MAX 19.9	MIN -10.7	MED .9								
WTR YR 1991	MEAN 2.0	MAX 18.1	MIN -10.7	MED -.3								

EAST STEWART BASIN

VEG SPRING NEAR IONE, NV

DAILY TOTAL SOLAR RADIATION, INCIDENTAL, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
CALORIES PER SQUARE CENTIMETER

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	132	134	197	181	206	236	449	538	556	239
2	---	---	130	142	87	231	514	183	693	663	256	298
3	---	---	131	76	207	105	560	419	448	661	537	144
4	---	---	148	34	182	89	458	685	488	670	602	264
5	---	---	131	116	158	202	488	652	690	591	546	202
6	---	---	128	102	211	268	381	468	699	656	607	124
7	---	---	136	123	220	370	586	538	692	531	553	227
8	---	---	127	143	223	376	598	479	384	319	604	315
9	---	192	127	140	218	247	487	240	482	333	606	126
10	---	186	124	112	226	314	401	419	578	523	512	237
11	---	155	89	107	203	355	400	483	656	540	394	315
12	---	163	86	108	202	306	323	682	664	627	284	395
13	---	144	43	101	184	268	557	342	618	619	265	444
14	---	165	120	166	241	246	449	465	680	661	431	462
15	---	158	138	62	210	219	433	714	656	651	250	464
16	---	150	112	141	92	452	600	541	606	664	232	456
17	---	125	119	152	174	421	384	341	535	639	447	450
18	---	114	149	145	274	263	513	330	414	597	510	421
19	---	76	58	148	267	266	489	301	616	560	497	433
20	---	154	90	151	287	344	417	316	526	465	560	380
21	---	135	55	152	230	91	406	398	583	330	560	433
22	---	150	118	156	281	452	278	658	670	538	556	419
23	---	154	122	144	283	525	502	590	625	641	452	418
24	---	141	122	164	290	495	442	389	467	324	472	405
25	---	140	139	169	292	202	230	640	279	514	466	370
26	---	124	105	175	291	431	328	673	520	250	479	244
27	---	140	127	174	240	299	622	681	289	336	309	166
28	---	140	124	177	338	538	664	612	414	309	540	141
29	---	152	109	182	---	540	677	433	309	526	530	259
30	---	142	123	191	---	556	552	283	666	287	536	357
31	---	---	125	161	---	483	---	350	---	196	413	---
TOTAL	---	---	3587	4248	6308	10135	13945	14541	16396	15759	14562	9608

EAST STEWART BASIN

VEG SPRING NEAR IONE, NV

DAILY MEAN RELATIVE HUMIDITY, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
PERCENT

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	98	31	23	21	95	81	85	81	44	46	31
2	54	72	32	22	43	78	65	99	49	29	52	27
3	46	33	36	57	63	76	29	99	48	24	46	34
4	29	46	22	82	49	99	33	66	44	17	26	37
5	35	95	36	23	83	88	25	30	43	20	20	48
6	67	94	23	35	87	85	35	74	24	17	18	86
7	65	45	21	73	35	48	41	60	25	17	19	85
8	22	91	20	50	29	27	38	50	24	26	16	67
9	20	24	20	51	25	28	36	94	26	42	15	87
10	23	19	26	91	26	42	88	95	25	33	16	94
11	28	20	77	75	26	93	91	79	21	24	20	71
12	20	19	98	86	39	76	97	69	20	20	31	64
13	25	19	96	100	85	69	78	75	22	19	44	41
14	28	25	79	93	57	96	55	100	22	18	45	41
15	37	47	52	99	52	96	43	64	22	17	66	18
16	37	30	90	70	100	62	47	39	20	16	70	18
17	23	57	94	76	98	51	81	92	20	19	34	18
18	70	54	75	48	97	85	54	98	18	21	23	20
19	99	89	83	45	58	86	36	93	23	30	22	22
20	54	94	80	47	23	87	52	84	20	27	19	19
21	35	81	79	39	21	96	86	95	20	26	17	19
22	60	34	76	35	24	78	95	71	20	20	16	20
23	43	20	71	31	36	63	72	53	20	18	18	18
24	35	19	41	36	25	62	62	59	32	24	19	18
25	22	29	40	24	23	93	98	40	69	23	40	18
26	21	90	65	27	23	81	99	36	64	23	44	45
27	18	59	24	32	44	94	90	38	75	20	29	70
28	19	31	34	34	86	59	46	30	74	21	19	70
29	20	20	62	28	---	62	44	41	91	18	17	66
30	21	37	25	22	---	47	24	100	54	26	16	50
31	53	---	24	21	---	37	---	100	---	53	22	---
MEAN	38	50	53	51	49	72	61	71	37	24	29	44
MAX	99	98	98	100	100	99	99	100	91	53	70	94
MIN	18	19	20	21	21	27	24	30	18	16	15	18
MED	35	41	41	45	41	78	54	74	24	21	22	39
WTR YR 1991	MEAN 48	MAX 100	MIN 15	MED 41								

EAST STEWART BASIN

VEG SPRING NEAR IONE, NV

DAILY TOTAL PRECIPITATION, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
INCHES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	e.05	e.00	e.00	.00	.00	.00	.00	.00	.00
2	.00	.00	.00	e.00	e.21	e.00	.00	.00	.00	.00	.00	.00
3	.00	.00	.00	e.11	e.21	e.00	.35	.00	.00	.00	.00	.00
4	.00	.00	.00	e.21	e.00	e.11	.00	.00	.00	.00	.00	.00
5	.00	.00	.00	e.11	e.00	e.21	.00	.00	.00	.00	.00	.00
6	.00	.00	.00	e.11	e.00	e.05	.00	.00	.60	.00	.00	.00
7	.00	e.20	.00	e.00	e.00	e.37	.00	.00	.00	.00	.00	.00
8	.00	.00	.00	e.00	e.00	e.00	.00	.00	.00	.00	.00	.00
9	.00	.00	.00	e.00	e.00	e.00	.00	.55	.00	.00	.00	.00
10	.00	.00	.00	e.00	e.00	e.00	.00	.00	.00	.00	.00	.00
11	.00	.00	.00	e.00	e.53	e.00	.00	.00	.00	.00	.00	.00
12	.00	.00	.00	e.00	e.11	e.00	.00	.00	.00	.00	.00	.00
13	.00	.00	.00	e.05	e.53	e.11	.00	.00	.00	.00	.00	.00
14	.00	.00	.00	e.05	e.00	e.43	.00	.30	.00	.00	.00	.00
15	.00	.00	.00	e.00	e.21	e.96	.00	.95	.00	.00	.00	.00
16	.00	.00	.00	e.00	e.00	e.21	.00	1.10	.00	.00	.00	.00
17	.90	.00	.00	e.00	e.00	e.00	.00	.00	.00	.00	.00	.00
18	.00	.00	.00	e.00	e.21	e.21	.00	.40	.00	.00	.00	.00
19	.00	.00	.15	e.00	e.11	e.43	.00	.00	.00	.00	.00	.00
20	.00	.00	.00	e.00	e.00	e.00	.00	.00	.00	.00	.00	.00
21	.00	.00	.00	e.00	e.00	e1.17	.00	.30	.00	.00	.00	.00
22	.00	.00	.00	e.00	e.00	e.00	.00	.00	.00	.00	.00	.00
23	.00	.00	e.00	e.00	e.64	e.16	.00	.00	.00	.00	.00	.00
24	.00	.00	e.00	e.00	e.21	e.26	.00	.25	.00	.00	.00	.00
25	.00	.00	e.00	e.00	e.00	e.00	.00	.68	.00	.00	.00	.00
26	.00	.00	e.00	e.00	e.00	e.00	.00	.87	.00	.00	.00	.00
27	.00	.00	e.00	e.32	e.00	e.00	.00	.00	.00	.00	.00	.00
28	.00	.00	e.05	e.00	e.00	e.00	.75	.00	.00	.00	.00	.00
29	.00	e.35	e.00	e.00	---	e.00	.25	.00	.00	.00	.00	.00
30	.00	.00	e.00	e.00	---	e.00	.00	.00	.00	.00	.00	.00
31	.00	---	e.00	e.00	---	.00	---	.00	---	.00	.00	---
TOTAL	0.90	0.55	0.20	1.01	2.97	4.68	1.35	5.40	0.60	0.00	0.00	0.00

WTR YR 1987 TOTAL 17.66

e Estimated

EAST STEWART BASIN

VEG SPRING NEAR IONE, NV

DAILY TOTAL PRECIPITATION, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
INCHES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	e.44	.10	e.00	e.00	e.32	e.00	e.40	e.00	.00	.00	.00
2	.00	e.49	.00	e.16	e.00	e.00	e.00	e.00	e.00	.00	.10	.00
3	.00	e.55	.00	e2.16	e.00	e.08	e.00	e.00	e.00	.00	.00	.00
4	.00	.00	.00	e.16	e.00	e.00	e.00	e.00	e.00	.00	.00	.00
5	.00	.80	.15	e.32	e.00	e.00	e.00	e.30	e.00	.00	.70	.00
6	.00	.50	.60	e.16	e.00	e.00	e.00	e1.00	e.00	.00	.40	.00
7	.00	.10	.00	e.00	e.00	e.00	e.00	e.20	e.00	.00	.00	.00
8	.00	.00	.54	e.00	e.00	e.00	e.00	e.20	e.10	.00	.00	.00
9	.00	.00	.00	e.64	e.00	e.00	e.00	e.00	e.00	.00	.00	.00
10	.00	.00	.00	e.32	e.00	e.00	e.00	e.00	e.00	.00	.00	.00
11	.00	.00	e.16	e.00	e.00	e.00	e.00	e.00	e.00	.00	.00	.00
12	.25	.00	e.00	e.00	e.00	e.00	e.00	e.00	e.00	.00	.00	.00
13	.30	.50	e.00	e.00	e.00	e.00	e.00	e.00	e.00	.00	.00	.00
14	.00	.10	e.00	e.00	e.00	e.00	e.60	e.00	e.00	.00	.00	.00
15	.00	.00	e.00	e.00	e.00	e.00	e1.10	e.00	e.00	.00	.00	.00
16	.00	.10	e.32	e.00	e.00	e.00	e.04	e.00	e.00	.00	.00	.00
17	.00	.05	e.00	e.32	e.00	e.00	e1.00	e.00	e.00	.00	.00	.00
18	.00	.00	e.00	e.00	e.00	e.00	e.20	e.00	e.00	.00	.00	.00
19	.00	.00	e.16	e.00	e.00	e.00	e.00	e.00	e.00	.00	.00	.00
20	.00	.10	e.00	e.00	e.00	e.00	e1.90	e.00	e.00	.00	.00	1.25
21	.00	.00	e.24	e.00	e.00	e.00	e.60	e.00	e.20	.00	.20	.20
22	.30	.00	e1.12	e.00	e.00	e.00	e.10	e.00	e.00	.00	.00	.00
23	.30	.00	e.16	e.00	e.00	e.00	e.60	e.00	e.00	.00	.00	.00
24	.15	.05	e.32	e.00	e.00	e.00	e.00	e.00	e.00	.25	.00	.00
25	.00	.20	e.00	e.00	e.00	e.00	e.00	e.00	e.00	.10	.00	.00
26	.00	.00	e.00	e.00	e.00	e.00	e.00	e.00	e.00	.10	.40	.00
27	.00	.00	e.00	e.00	e.32	e.00	e.00	e.00	.00	.00	.00	.00
28	.00	.00	e.00	e.00	e.64	e.00	e.00	e.00	.00	.00	.00	.00
29	.55	.00	e.00	e.00	e.16	e.00	e.00	e.80	.00	.00	.00	.00
30	e.22	.00	e.16	e.00	---	e.00	e.00	e.20	.00	.00	.05	.00
31	.00	---	e.00	e.00	---	e.00	---	e.00	---	.00	.00	---
TOTAL	2.07	3.98	4.03	4.24	1.12	0.40	6.14	3.10	0.30	0.45	1.85	1.45

CAL YR 1987 TOTAL 26.09

WTR YR 1988 TOTAL 29.13

e Estimated

EAST STEWART BASIN

VEG SPRING NEAR IONE, NV

DAILY TOTAL PRECIPITATION, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
INCHES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.10	.00	.00	e.00	.00	e.20	.00	.00	.00	.00	.00
2	.00	.10	.00	.00	e.00	.75	e.10	.00	.00	.00	.00	.00
3	.00	.00	.00	.00	e.06	.00	.00	.00	.45	.00	.00	.00
4	.00	.00	.00	.00	e.13	.00	.00	.00	.35	.00	.00	.00
5	.00	.00	.00	.30	e.00	.00	.00	.00	.10	.00	.00	.00
6	.00	.00	.00	.05	e.00	.10	.00	.00	.00	.00	.10	.00
7	.00	.00	.00	.05	e.00	.00	.00	.00	.00	.00	.05	.00
8	.00	.00	.00	.00	e.00	.00	.00	.00	.05	.00	.30	.00
9	.00	.00	.00	.15	e.00	.00	.00	.20	.45	.00	.00	.00
10	.10	.00	.00	.10	e.00	.00	.00	.40	.00	.00	.00	.00
11	.80	.00	.00	.10	e.00	.00	.00	.30	.30	.00	.00	.00
12	.00	.00	.00	.00	e.65	.00	.00	.00	.00	.15	.00	.00
13	.00	e.18	.00	.00	e.13	.00	.00	.10	.00	.00	.00	.00
14	.00	e.48	.00	.00	e.00	.00	.00	.25	.00	.00	.00	.00
15	.00	.00	.25	.00	e.00	.00	.00	.15	.00	.00	.00	.00
16	.00	e.54	.10	.00	e.00	.00	.00	.00	.00	.00	.00	.00
17	.00	e.54	.00	.00	e.00	.00	.00	.00	.00	.00	.00	1.05
18	.00	e.18	.20	.00	e.00	.00	.00	.00	.00	.00	.00	.00
19	.00	.00	.20	.00	e.13	.10	.00	.00	.00	.00	.00	.00
20	.00	.00	.20	.00	e.00	.15	.00	.00	.00	.00	.00	.00
21	.00	.00	.50	e.00	e.00	.00	.00	.00	.00	.00	.00	.00
22	.00	e.12	.30	e.00	.00	.00	.00	.00	.00	.40	.00	.00
23	.00	e.84	.20	e.00	.00	.00	.00	.00	.00	.10	.05	.00
24	.00	e.12	1.15	e.00	.00	.00	.25	.00	.00	.00	.00	.00
25	.00	e.36	.35	e.00	.00	.50	.00	.00	.00	.00	.00	.00
26	.00	e.24	.00	e.00	.00	.00	.00	.00	.00	.00	.00	.00
27	.00	.00	.10	e.00	.00	.00	.20	.00	.00	.00	.00	.00
28	.00	e.06	.00	e.00	.00	.00	.05	.00	.00	.00	.00	.00
29	.00	.00	.00	e.00	---	.00	.00	.00	.00	.00	.00	.00
30	.00	.00	.10	e.00	---	.00	.00	.25	.00	.00	.00	.05
31	.00	---	.00	e.00	---	.50	---	.05	---	.00	.00	---
TOTAL	0.90	3.86	3.65	0.75	1.10	2.10	0.80	1.70	1.70	0.65	0.50	1.10
CAL YR 1988	TOTAL 27.46											
WTR YR 1989	TOTAL 18.81											

e Estimated

EAST STEWART BASIN

VEG SPRING NEAR IONE, NV

DAILY TOTAL PRECIPITATION, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
INCHES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.20	.20	.00	.00	.00	.00	.00	.10	.00
2	.20	.00	.00	.20	.00	.00	.00	.00	.00	.05	.00	.00
3	.10	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
4	.00	.00	.00	.00	.10	.10	.00	.00	.00	.00	.00	.00
5	.00	.00	.00	.00	.00	.60	.00	.00	.00	.00	.00	.00
6	.00	.00	.00	.00	.20	.00	.10	.00	.00	.00	.00	.00
7	.00	.00	.00	.00	.20	.00	.30	.00	.00	.00	.00	.05
8	.00	.00	.00	.00	.00	.00	1.10	.00	.00	.00	.00	.00
9	.00	.00	.00	.00	.00	.00	.00	.00	.30	.00	.00	.00
10	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00
11	.00	.00	.00	.00	.00	.10	.00	.10	.00	.00	.70	.00
12	.00	.00	.00	.00	.10	.10	.00	.00	.00	.00	.00	.00
13	.00	.00	.00	.80	.00	.00	.00	.00	.00	.30	.00	.00
14	.00	.00	.00	.30	.05	.00	.00	.00	.20	.30	.00	.00
15	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.25	.00
16	.00	.00	.00	.00	.25	.00	.00	.00	.00	.70	.00	.00
17	.00	.00	.00	.20	.90	.00	.65	.20	.00	.00	.00	.00
18	.00	.00	.00	.00	.75	.00	.00	.00	.00	.00	.25	.15
19	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.20	.00
20	.00	.00	.00	.00	.00	.00	.20	.00	.00	.00	.10	.00
21	.00	.00	.00	.00	.00	.00	.20	.00	.00	.00	.05	.10
22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.30
23	.00	.00	.00	.00	.00	.00	.35	.20	.00	.00	.00	.35
24	.40	.20	.00	.00	.00	.00	.35	.00	.00	.00	.00	.00
25	.35	.20	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
26	.00	.35	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	.00	.00	.00	.00	.00	.00	.00	.40	.00	.00	.00	.00
28	.00	.00	.30	.00	.00	.10	.20	1.30	.00	.00	.00	.20
29	.00	.00	.00	.00	---	.00	.00	.30	.00	.00	.00	.00
30	.00	.00	.00	.20	---	.00	.00	.00	.00	.00	.00	.00
31	.00	---	.00	.30	---	.00	---	.00	---	.00	.00	---
TOTAL	1.05	0.75	0.30	2.20	2.75	1.00	3.45	2.50	0.55	1.35	2.65	1.15
CAL YR 1989	TOTAL 12.50											
WTR YR 1990	TOTAL 19.70											

EAST STEWART BASIN

VEG SPRING NEAR IONE, NV

DAILY TOTAL PRECIPITATION, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
INCHES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.17	.00	.00	.00	.15	.20	.72	.00	.00	.00	.08
2	.00	.00	.00	.00	.00	.00	.00	.28	.00	.00	.20	.00
3	.00	.00	.00	.20	.00	.80	.00	.00	.00	.00	.00	.12
4	.00	.00	.00	.10	.00	.80	.00	.00	.00	.00	.00	.00
5	.00	.03	.00	.00	.30	.00	.00	.00	.00	.00	.00	.08
6	.00	.00	.00	.10	.00	.00	.00	.00	.00	.00	.00	.12
7	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
8	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.10
9	.00	.00	.00	.00	.00	.00	.00	.30	.00	.00	.00	.60
10	.00	.00	.05	.00	.00	.20	.15	.18	.00	.00	.00	.00
11	.00	.00	.20	.00	.00	.00	.20	.04	.00	.00	.00	.00
12	.00	.00	.00	.00	.00	.00	.40	.00	.00	.00	.00	.00
13	.00	.00	.25	.10	.00	.40	.00	1.00	.00	.00	.07	.00
14	.00	.00	.00	.00	.00	.70	.00	.00	.00	.00	.00	.00
15	.00	.00	.10	.10	.35	.35	.00	.00	.00	.00	.00	.00
16	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
17	.00	.00	.00	.00	.00	.20	.00	.10	.00	.00	.00	.00
18	.30	.00	.20	.00	.00	.75	.00	.30	.00	.00	.00	.00
19	.10	.25	.30	.00	.00	.25	.00	.05	.00	.00	.00	.00
20	.00	.00	.00	.00	.00	.55	.00	1.05	.00	.00	.00	.00
21	.00	.00	.00	.00	.00	.40	.00	.00	.00	.00	.00	.00
22	.00	.00	.00	.00	.00	.00	.20	.00	.00	.00	.00	.00
23	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
24	.00	.00	.00	.00	.00	.50	.20	.00	.20	.00	.00	.00
25	.00	.40	.00	.00	.00	.30	.20	.00	.30	.00	.25	.00
26	.00	.00	.00	.00	.00	.20	.00	.00	.00	.00	.00	.00
27	.00	.00	.00	.00	.30	.00	.00	.00	.15	.00	.00	.20
28	.00	.00	.00	.00	.20	.00	.00	.00	.30	.00	.00	.05
29	.00	.00	.00	.00	---	.00	.00	.00	.00	.00	.00	.00
30	.00	.00	.00	.00	---	.00	.00	.40	.00	.00	.00	.00
31	.10	---	.00	.00	---	.00	---	.00	---	.00	.00	---
TOTAL	0.50	0.85	1.10	0.60	1.15	6.55	1.55	4.42	0.95	0.00	0.52	1.35
CAL YR 1990	TOTAL 20.05											
WTR YR 1991	TOTAL 19.54											

EAST STEWART BASIN

VEG SPRING NEAR IONE, NV

WATER-QUALITY ANALYSIS FROM THE UNSATURATED-ZONE LYSIMETER #1,
WATER YEARS OCTOBER 1987 TO SEPTEMBER 1991

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (μS/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (μS/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	ALKA- LITY WAT WH TOT FET FIELD MG/L AS CACO3	ALKA- LITY LAB (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)
JUN 1988									
29...	1030	56	--	7.2	--	11.0	21	--	5.0
SEP									
27...	1430	--	--	--	--	--	--	--	--
MAY 1989									
25...	1000	--	--	--	--	--	--	--	--
SEP									
14...	1230	--	--	--	--	--	--	--	--
MAY 1990									
24...	1330	--	--	--	--	--	--	8.4	2.7
JUL									
12...	1205	--	--	--	--	--	--	--	--
SEP									
25...	¹ 0900	--	--	--	--	--	--	--	--
JUL 1991									
24...	1430	55	59	7.4	7.5	--	21	--	4.9
SEP									
24...	¹ 1305	--	--	--	--	--	--	--	--

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	BROMIDE DIS- SOLVED (MG/L AS BR)	SILICA, DIS- SOLVED (MG/L AS SIO2)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)
JUN 1988									
29...	0.95	2.8	4.0	1.5	0.69	--	--	6.3	--
SEP									
27...	--	--	--	7.2	9.8	0.93	--	--	<0.010
MAY 1989									
25...	--	--	--	6.8	7.1	0.24	<0.010	--	<0.010
SEP									
14...	--	--	--	82	22	0.77	<0.010	--	<0.010
MAY 1990									
24...	0.46	2.1	2.6	2.5	2.2	0.09	<0.010	7.1	0.170
JUL									
12...	--	--	--	1.4	2.6	<0.10	--	--	33.0
SEP									
25...	--	--	--	--	--	--	--	--	--
JUL 1991									
24...	1.1	2.6	4.2	3.2	0.79	0.12	0.030	9.4	0.070
SEP									
24...	--	--	--	--	--	--	--	--	--

EAST STEWART BASIN
 VEG SPRING NEAR IONE, NV
 WATER-QUALITY ANALYSIS FROM THE UNSATURATED-ZONE LYSIMETER #1,
 WATER YEARS OCTOBER 1987 TO SEPTEMBER 1991

DATE	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	IRON, DIS- SOLVED (µG/L AS FE)	MANGA- NESE, DIS- SOLVED (µG/L AS MN)	STRON- TIUM, DIS- SOLVED (µG/L AS SR)	TRITIUM TOTAL (PCI/L)	TRITIUM 2 SIGMA WATER, WHOLE, TOTAL (PCI/L)	H-2 / H-1 STABLE ISOTOPE RATIO PER MIL	O-18 / O-16 STABLE ISOTOPE RATIO PER MIL
JUN 1988								
29...	--	17	--	27	48	--	-114.0	-15.35
SEP								
27...	1.50	--	--	--	--	--	--	--
MAY 1989								
25...	3.00	--	--	--	--	--	-96.0	-12.80
SEP								
14...	53.0	--	--	--	65	5.0	--	--
MAY 1990								
24...	0.020	23	2	--	--	--	-105.0	-13.60
JUL								
12...	--	--	--	--	--	--	-118.0	-17.25
SEP								
25...	--	--	--	--	--	--	--	--
JUL 1991								
24...	0.030	11	1	--	--	--	-116.0	-16.05
SEP								
24...	--	--	--	--	--	--	--	--

1 Sample collector dry.

EAST STEWART BASIN
VEG SPRING NEAR IONE, NV
WATER-QUALITY ANALYSIS FROM THE UNSATURATED-ZONE LYSIMETER #2,
WATER YEARS OCTOBER 1988 TO SEPTEMBER 1991

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE LAB (μS/CM)	ALKA- LINIT LAB (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
MAY 1989									
25...	1020	--	--	--	--	--	--	6.6	7.1
SEP									
14...	1245	--	--	--	--	--	--	2.9	2.4
JUN 1990									
19...	1330	--	<0.5	4.0	0.76	2.6	3.8	4.4	2.8
JUL									
12...	1235	--	--	--	--	--	--	1.5	2.6
SEP									
25...	¹ 1245	--	--	--	--	--	--	--	--
JUL 1991									
24...	1450	71	--	4.0	0.68	3.8	--	2.4	3.2
SEP									
24...	¹ 1340	--	--	--	--	--	--	--	--

DATE	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	BROMIDE DIS- SOLVED (MG/L AS BR)	SILICA, DIS- SOLVED (MG/L AS SIO2)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	IRON, DIS- SOLVED (μG/L AS FE)	MANGA- NESE, DIS- SOLVED (μG/L AS MN)	H-2 / H-1 STABLE ISOTOPE RATIO PER MIL	O-18 / O-16 STABLE ISOTOPE RATIO PER MIL
MAY 1989									
25...	0.14	<0.010	--	8.70	0.490	--	--	--	--
SEP									
14...	0.09	<0.010	--	6.90	0.690	--	--	-116.0	-16.50
JUN 1990									
19...	0.10	<0.010	4.5	0.690	0.190	52	7	-124.0	-16.50
JUL									
12...	<0.10	--	--	37.0	--	--	--	-164.0	-23.15
SEP									
25...	--	--	--	--	--	--	--	--	--
JUL 1991									
24...	0.09	<0.010	4.8	3.70	<0.010	33	6	--	--
SEP									
24...	--	--	--	--	--	--	--	--	--

1 Sample collector dry.

EAST STEWART BASIN

VEG SPRING NEAR IONE, NV

SURFACE-WATER QUALITY, WATER YEARS OCTOBER 1983 TO SEPTEMBER 1991

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (µS/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (µS/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3	ALKA- LINITY LAB (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)
SEP 1984										
19...	1730	38	--	7.1	--	4.5	13	--	2.6	0.30
JUL 1985										
09...	1324	--	--	5.8	--	--	--	--	2.4	0.30
SEP										
27...	1702	23	--	6.1	--	4.0	12	--	2.5	0.40
JUL 1986										
10...	1000	31	30	7.1	7.4	4.0	13	14	2.2	0.24
SEP										
30...	1330	34	31	6.7	7.6	5.0	12	13	2.1	0.24
DEC										
30...	0920	32	31	6.7	7.0	--	12	12	2.3	0.29
MAY 1987										
06...	1230	--	40	--	8.0	4.0	--	15	3.0	0.38
JUN										
30...	1640	33	34	6.7	7.7	4.5	11	13	2.3	0.33
SEP										
25...	1420	33	35	7.0	7.7	4.5	12	13	2.4	0.31
JUN 1988										
28...	1430	29	32	7.0	7.5	4.5	12	13	2.6	0.33
SEP										
27...	1420	28	31	6.3	6.9	4.5	12	12	2.6	0.40
MAY 1989										
25...	1000	30	31	7.0	7.7	8.5	--	13	2.5	0.07
SEP										
14...	1325	29	31	6.9	7.5	5.0	11	--	2.6	0.20
NOV										
07...	1246	28	31	6.9	7.1	4.0	12	13	2.3	0.29
JAN 1990										
31...	1130	23	30	6.9	7.3	3.0	12	12	2.2	0.33
APR										
03...	0945	27	29	6.9	7.5	4.0	12	11	2.4	0.27
MAY										
24...	1430	31	33	7.0	7.3	4.0	12	12	2.7	0.35
SEP										
25...	1215	33	31	7.0	7.4	4.5	13	13	2.4	0.31
JUL 1991										
24...	1430	26	30	6.6	7.0	4.5	12	9.6	2.0	0.35
SEP										
24...	1630	28	30	6.3	7.0	4.5	12	12	2.3	0.29

EAST STEWART BASIN
VEG SPRING NEAR IONE, NV
SURFACE-WATER QUALITY, WATER YEARS OCTOBER 1983 TO SEPTEMBER 1991

DATE	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	BROMIDE DIS- SOLVED (MG/L AS BR)	SILICA, DIS- SOLVED (MG/L AS SIO2)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)
SEP 1984									
19...	3.1	--	1.2	0.76	0.04	0.008	16	--	--
JUL 1985									
09...	3.2	--	1.2	0.61	0.03	<0.050	16	--	--
SEP									
27...	2.8	--	1.2	0.56	0.04	0.007	16	--	--
JUL 1986									
10...	3.3	0.46	1.2	0.63	0.03	<0.010	17	--	--
SEP									
30...	3.4	0.50	1.1	0.59	--	--	--	--	--
DEC									
30...	3.4	0.51	1.1	0.62	0.01	--	17	--	--
MAY 1987									
06...	3.7	0.63	1.7	1.2	0.04	--	16	--	--
JUN									
30...	3.0	0.50	1.4	0.72	0.05	--	16	--	--
SEP									
25...	3.1	0.50	1.3	0.64	--	--	17	--	--
JUN 1988									
28...	3.2	0.45	1.3	0.65	--	--	16	--	--
SEP									
27...	3.3	0.58	1.2	0.65	--	--	16	--	--
MAY 1989									
25...	3.1	0.51	1.0	0.60	<0.10	<0.010	16	--	0.100
SEP									
14...	3.3	--	1.3	0.65	0.05	<0.010	16	0.100	--
NOV									
07...	3.5	--	1.2	0.68	0.05	<0.010	17	0.170	--
JAN 1990									
31...	3.4	--	1.2	0.60	0.05	<0.010	17	0.200	--
APR									
03...	3.1	--	1.4	0.73	0.04	0.030	15	0.210	--
MAY									
24...	3.4	0.50	1.9	0.97	0.06	<0.010	17	0.110	--
SEP									
25...	3.4	0.50	1.2	0.66	0.05	<0.010	16	0.180	--
JUL 1991									
24...	2.6	0.50	1.3	0.59	0.06	<0.010	15	<0.010	--
SEP									
24...	3.2	0.50	1.2	0.62	0.05	<0.010	16	0.150	--

EAST STEWART BASIN

VEG SPRING NEAR IONE, NV

SURFACE-WATER QUALITY, WATER YEARS OCTOBER 1983 TO SEPTEMBER 1991

DATE	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	IRON, DIS- SOLVED (µG/L AS FE)	MANGA- NESE, DIS- SOLVED (µG/L AS MN)	STRON- TIUM, DIS- SOLVED (µG/L AS SR)	ALUM- INUM, DIS- SOLVED (µG/L AS AL)	TRITIUM TOTAL (PCI/L)	TRITIUM 2 SIGMA WATER, WHOLE, TOTAL (PCI/L)	H-2 / H-1 STABLE ISOTOPE RATIO PER MIL	O-18 / O-16 STABLE ISOTOPE RATIO PER MIL
SEP 1984									
19...	--	<3	1	19	--	110	12	-122.0	-16.40
JUL 1985									
09...	--	10	1	17	--	--	--	-118.5	-16.55
SEP									
27...	--	52	3	21	--	--	--	-122.0	-16.55
JUL 1986									
10...	--	8	--	17	--	--	--	-121.0	-16.50
SEP									
30...	--	<10	--	70	--	--	--	-121.0	-16.50
DEC									
30...	--	4	--	16	--	--	--	-121.5	-16.60
MAY 1987									
06...	--	<10	--	10	10	--	--	--	--
JUN									
30...	--	<3	--	1	--	--	--	-120.5	-16.40
SEP									
25...	--	<3	--	17	--	--	--	-122.0	-16.55
JUN 1988									
28...	--	4	--	18	--	--	--	-120.5	-16.45
SEP									
27...	--	8	--	17	<10	84	9.0	-122.5	-16.60
MAY 1989									
25...	--	4	--	18	--	--	--	-122.0	-16.65
SEP									
14...	<0.010	<3	<1	--	--	65	5.0	-124.5	-16.65
NOV									
07...	0.010	<3	<1	--	--	78	7.0	-123.0	-16.60
JAN 1990									
31...	0.030	<3	<1	--	--	--	--	-121.0	-16.65
APR									
03...	<0.010	9	<1	--	--	--	--	-121.0	-16.65
MAY									
24...	<0.010	75	<1	--	--	--	--	-119.0	-16.30
SEP									
25...	<0.010	<2	<1	--	--	--	--	-120.0	-16.50
JUL 1991									
24...	<0.010	7	1	--	--	--	--	-121.0	-16.60
SEP									
24...	<0.010	4	<1	--	--	--	--	-122.0	-16.45

EAST STEWART BASIN

EAST STEWART CREEK NEAR IONE, NV

LOCATION. -- Lat 38°53'23", long 117°21'37", Nye County, Hydrologic Unit 16040107, on the right bank 1.3 mi upstream from the Columbine campground, 13.3 mi east of Ione on State Route 21.

DRAINAGE AREA. -- 0.36 mi².

PERIOD OF RECORD. -- September 1984 to current year.

GAGE. -- Two water-stage recorders on a 9 in Parshall flume and a standard 90 degree v-notch weir, and a crest stage gage. The flume is considered the primary gage. See remarks for more information.

REMARKS.-- The weather equipment is located approximately 150 feet northeast of the surface-water equipment. The surface-water-quality samples are taken upstream from the weir pool and the unsaturated-zone water-quality samples are taken approximately 100 feet upstream on the left bank from the trail crossing or about 700 feet upstream from the surface-water site. Daily discharges for 1987 and 1988 are determined from data collected at the v-notch weir while discharge records for 1989, 1990, and 1991 are determined from the 9 in Parshall flume. Accuracy of measurement by the flume diminishes below a discharge of 0.25 ft³/s. Any daily discharges below 0.25 ft³/s reported during the years 1989, 1990, and 1991 are considered fair; discharges above 0.25 ft³/s are considered good to excellent. Ice affects are considered minimal if they occurred at all during the winter months. During visits when the unsaturated-zone lysimeter was checked and found empty, the container was cleaned and replaced. Estimated periods of daily record are considered poor. Values for the daily maximum and minimum air temperature were obtained from the 40 minute average values.

PERIOD OF DAILY RECORD. --

AIR TEMPERATURE: January 1986 to current year.

SOIL TEMPERATURE: January 1986 to current year.

SOLAR RADIATION: January 1986 to current year.

RELATIVE HUMIDITY: October 1990 to current year.

TOTAL PRECIPITATION: October 1985 to current year.

DISCHARGE: May 1987 to current year.

EXTREMES FOR PERIOD OF RECORD. --

AIR TEMPERATURE: Maximum daily, 25.6°C, July 4, 1991; minimum daily, -28.2°C, Dec. 22, 1990. See remarks for more information.

SOIL TEMPERATURE: Maximum daily mean, 21.2°C, July 18, 1991; minimum daily mean, -5.6°C, Dec. 20-21, 1989.

SOLAR RADIATION: Maximum daily total, 809 cal/cm², June 29, 1990; minimum daily total, 7 cal/cm², Nov. 2, 1987.

RELATIVE HUMIDITY: Maximum daily mean, 99 pct, May 2, 1991 and May 30, 1991; minimum daily mean, 15 pct, Aug. 4 and 30, 1991.

TOTAL PRECIPITATION: Maximum daily, 1.40 in, May 26, 1987; no precipitation, most days of record.

DISCHARGE: Maximum daily mean, 3.4 ft³/s, June 13-14, 1991; minimum daily mean, 0.03 ft³/s, Feb. 3-4, 1991.

EAST STEWART BASIN

EAST STEWART CREEK NEAR IONE, NV

DAILY MEAN AIR TEMPERATURE, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	e1.2	-3.4	4.3	-.2	7.3	12.4	16.7	17.4	9.9
2	---	---	---	e1.2	-3.4	-.2	-10.8	8.3	13.1	16.6	18.0	10.7
3	---	---	---	e2.3	-6.5	2.4	-4.6	4.0	12.7	15.1	16.0	11.9
4	---	---	---	e-1.1	-8.7	1.9	-.1	-6.7	13.5	13.1	16.4	13.5
5	---	---	---	e-2.1	-9.9	1.3	.0	-3.6	8.9	8.9	16.0	15.1
6	---	---	---	e-2.3	-14.2	1.8	-1.0	-7.5	10.2	11.5	16.9	14.3
7	---	---	---	e.0	-13.7	2.0	-3.8	-6.4	6.3	10.9	16.6	13.3
8	---	---	---	e5.7	-14.8	-2.6	-3.4	-3.5	4.9	11.6	16.5	9.1
9	---	---	---	e5.8	-12.3	-6.2	-.2	.4	6.3	e11.7	17.3	2.8
10	---	---	---	e5.9	-7.8	-4.5	.7	1.4	9.8	e12.4	14.3	2.7
11	---	---	---	e4.7	-6.0	-6.6	2.4	.2	13.8	e14.5	13.8	8.7
12	---	---	---	3.7	-2.8	-8.7	-3.0	2.2	8.7	e16.1	13.7	8.8
13	---	---	---	6.7	-2.6	-7.6	-7.8	4.8	11.4	e15.7	14.1	6.1
14	---	---	---	.6	.4	-8.8	.0	2.5	12.5	e15.5	15.6	4.3
15	---	---	---	-3.0	-3.7	-5.9	.6	2.8	12.5	e10.3	17.7	.6
16	---	---	---	-.3	-3.4	-8.1	-7.7	1.5	14.5	e8.4	16.6	3.0
17	---	---	---	-.3	-.4	-9.7	-7.5	5.6	15.3	e9.8	16.5	1.9
18	---	---	---	4.5	-.1	-7.8	-4.9	9.7	10.9	e11.0	15.5	.2
19	---	---	---	5.0	-3.8	-2.6	1.0	11.4	7.6	e13.5	11.8	-.4
20	---	---	---	-6.9	-7.0	2.2	7.1	7.6	8.8	e14.3	10.7	-2.4
21	---	---	---	-3.8	-4.9	3.7	8.9	.6	12.2	e11.4	12.0	1.9
22	---	---	---	1.9	-1.8	3.1	6.8	.7	14.2	e9.6	15.2	3.2
23	---	---	---	-5.8	1.3	3.9	1.0	7.6	16.0	e8.0	16.3	1.0
24	---	---	---	-3.1	6.6	1.6	-1.4	10.2	14.8	e9.1	16.7	-.3
25	---	---	---	1.6	5.1	.0	-3.9	13.8	13.6	e9.6	14.5	-4.2
26	---	---	---	1.4	4.4	4.7	-6.3	14.9	17.4	e8.9	14.7	-2.1
27	---	---	---	3.2	5.5	5.9	2.6	14.2	17.3	e11.9	12.0	-4.1
28	---	---	---	5.6	5.9	6.3	4.0	13.6	12.3	e12.3	12.0	-3.8
29	---	---	---	3.5	---	5.0	.9	14.6	9.9	e10.8	12.5	-.7
30	---	---	---	-.9	---	3.5	6.2	15.3	13.4	e12.8	10.5	1.2
31	---	---	---	-2.2	---	2.1	---	14.5	---	e15.2	10.2	---
MEAN	---	---	---	1.1	-3.6	-.8	-.8	5.2	11.8	12.2	14.8	4.2
MAX	---	---	---	6.7	6.6	6.3	8.9	15.3	17.4	16.7	18.0	15.1
MIN	---	---	---	-6.9	-14.8	-9.7	-10.8	-7.5	4.9	8.0	10.2	-4.2
MED	---	---	---	1.2	-3.4	1.6	-.2	4.8	12.4	11.7	15.5	2.7

e Estimated

EAST STEWART BASIN

EAST STEWART CREEK NEAR IONE, NV

DAILY MEAN AIR TEMPERATURE, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-2.7	e-6.2	-.9	-1.2	1.5	e-4.6	2.4	-.1	7.3	e12.5	16.2	13.6
2	e-5.4	e-3.6	.6	-3.8	.7	e-3.5	4.4	-1.8	10.1	e11.1	14.6	12.3
3	e-4.6	e.2	1.0	-1.1	-6.3	e-1.3	-3.1	3.2	13.3	e11.6	17.4	9.4
4	e-.2	e1.9	2.1	-6.8	-3.3	e2.0	-4.7	7.5	13.7	e11.1	16.7	8.8
5	e4.0	2.9	-.4	-10.0	.1	e2.0	-3.0	10.4	10.5	12.0	16.5	10.6
6	e3.5	-8.9	-6.1	-10.9	1.7	e-3.5	-.3	10.4	6.5	10.6	15.9	9.8
7	e3.6	-9.5	-8.3	-11.5	3.6	e-1.3	.8	10.3	6.8	12.7	14.9	9.7
8	e4.3	-9.9	-4.8	-11.2	.0	e-2.4	1.3	8.4	7.1	13.4	15.9	11.1
9	e4.8	-5.1	-6.4	-4.9	-.7	e-3.5	1.4	5.9	7.9	14.0	15.2	12.4
10	e5.0	-3.1	-3.0	-1.0	-1.8	e-3.5	2.8	6.0	11.3	12.9	14.7	11.8
11	e-6.2	1.2	-.6	1.9	-2.6	e-2.4	-.2	6.8	12.9	12.4	13.1	12.3
12	e-2.6	1.0	-3.7	3.5	-2.0	e2.0	-4.0	8.7	14.8	13.3	13.0	10.8
13	e2.1	3.5	-1.2	-7.8	-3.1	e-6.8	3.0	9.7	14.8	15.6	11.5	8.1
14	e3.5	2.3	-1.3	-11.2	-7.3	e-7.9	6.4	9.7	14.7	17.1	7.8	8.8
15	e4.1	-.4	-2.4	-19.8	-6.5	e-10.0	5.8	7.0	6.5	15.3	7.4	8.1
16	e3.5	.5	-4.2	-18.5	-10.0	e-9.0	8.0	4.2	7.0	12.4	10.8	5.4
17	e-.1	2.0	-5.2	-8.1	-9.3	e-6.8	6.5	3.4	9.0	5.2	13.2	7.4
18	e-3.8	1.9	-3.2	-5.9	-11.2	e-9.0	-2.7	4.4	7.5	1.9	15.9	8.6
19	e-4.2	.4	-6.2	-13.6	-13.4	e-9.0	-8.3	3.1	10.1	7.8	15.9	9.5
20	e-3.3	3.6	-5.8	-6.4	e-13.4	e-11.2	2.2	-1.6	10.6	9.2	13.7	11.3
21	e.4	-3.7	-3.0	-1.9	e-10.0	e-9.0	5.5	-1.5	9.8	6.0	14.3	13.1
22	e2.6	-7.9	-.1	1.0	e-9.0	e-11.2	9.1	1.2	7.7	8.4	14.7	13.4
23	e2.5	-2.2	-6.6	-6.0	e-14.5	e-9.0	7.7	3.6	11.3	11.9	13.4	11.2
24	e3.7	1.6	-5.9	-3.0	e-14.5	e-7.9	8.5	2.9	14.5	14.4	11.6	10.5
25	e4.6	-4.9	-4.4	.4	e-17.8	e-7.9	9.5	-3.4	15.6	15.5	10.5	11.2
26	e6.3	-.8	-2.8	4.3	e-15.6	e-6.8	8.5	-3.0	15.2	16.5	10.6	7.4
27	e5.7	3.5	-5.6	3.6	e-12.3	e-12.3	9.2	-.2	11.8	15.7	11.6	6.7
28	e3.9	3.5	-3.5	-7.9	e-7.9	e-11.2	7.7	1.8	12.1	14.3	12.8	8.5
29	e4.4	-7.3	-1.2	-3.0	---	e-10.1	5.0	4.3	12.6	15.4	13.5	9.4
30	e.1	-1.5	-4.2	-4.0	---	e-3.5	3.2	7.1	e12.4	15.5	13.0	10.5
31	e-5.6	---	-1.8	-4.3	---	e-.2	---	8.5	---	15.9	14.7	---
MEAN	1.1	-1.5	-3.2	-5.5	-6.6	-5.8	3.1	4.4	10.8	12.3	13.6	10.1
MAX	6.3	3.6	2.1	4.3	3.6	2.0	9.5	10.4	15.6	17.1	17.4	13.6
MIN	-6.2	-9.9	-8.3	-19.8	-17.8	-12.3	-8.3	-3.4	6.5	1.9	7.4	5.4
MED	2.6	-.1	-3.2	-4.9	-6.9	-6.8	3.1	4.3	10.9	12.7	13.7	10.1
CAL YR 1986	MEAN 3.4	MAX 18.0	MIN -14.8	MED 2.3								
WTR YR 1987	MEAN 2.8	MAX 17.4	MIN -19.8	MED 2.9								

e Estimated

EAST STEWART BASIN

EAST STEWART CREEK NEAR IONE, NV

DAILY MEAN AIR TEMPERATURE, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.1	1.3	-.5	-9.8	-12.5	-4.7	.6	-9.8	5.1	16.6	14.4	15.2
2	10.7	-2.2	2.6	-6.0	-11.4	-4.3	1.8	-2.8	12.0	16.0	12.5	16.6
3	10.7	-1.3	6.1	-2.4	-8.0	-3.0	1.7	1.2	14.2	15.0	12.2	17.4
4	10.6	1.5	1.7	-.8	-5.3	-2.0	.1	1.0	13.1	13.4	14.5	17.0
5	10.7	-.3	-.1	-3.9	-4.0	-.3	4.3	-4.0	.8	11.5	11.1	15.5
6	11.1	-2.1	1.3	-10.2	-2.4	-2.3	7.9	-8.7	.2	11.7	6.9	14.0
7	9.5	-1.4	-9.0	-6.1	-2.0	-4.7	4.6	-4.7	-.8	14.8	7.8	13.1
8	8.5	2.4	-4.7	-7.6	-1.3	2.2	-3.8	-1.8	1.5	16.1	11.3	15.1
9	9.6	1.0	.9	-3.1	-.4	-7.0	2.6	3.0	9.6	16.9	13.7	12.7
10	9.5	-.6	2.1	-.9	-3.9	-13.6	5.8	7.6	9.1	15.8	14.2	8.9
11	8.7	2.1	-7.9	-9.8	-.9	-13.7	8.2	10.9	8.5	14.6	13.8	1.4
12	3.7	3.9	-15.7	-8.1	.7	-11.1	8.0	11.3	6.8	14.2	11.4	-.8
13	1.6	-.5	-17.8	-3.9	-3.6	-4.7	3.9	5.2	10.2	16.6	10.1	3.7
14	3.2	-8.3	-14.5	.9	-.9	-3.5	-.8	8.0	12.9	15.3	12.4	7.1
15	3.3	-6.4	-8.3	-6.8	-.6	-10.1	-1.1	12.8	14.5	14.6	7.7	10.9
16	5.1	-3.7	-6.6	-10.0	-10.8	-8.0	.6	8.8	14.4	16.6	12.4	9.3
17	3.9	-3.2	-8.8	-10.7	-5.6	-3.4	-.8	.5	13.5	17.0	15.5	5.5
18	3.6	.1	-7.1	-14.6	-10.8	1.0	-1.7	1.1	15.4	16.2	15.5	2.9
19	4.1	4.9	-8.8	-11.8	-3.9	3.4	-.2	3.6	14.2	17.0	16.1	8.8
20	6.4	3.4	-5.9	-5.6	.2	4.3	-4.8	7.1	14.1	18.5	15.4	.0
21	6.3	-5.9	-2.5	-7.6	-1.5	.2	-6.7	9.7	14.1	18.9	13.3	.4
22	3.6	-6.0	-6.5	-.5	-1.3	-.8	-5.7	12.1	14.4	18.0	13.8	3.6
23	1.0	-7.3	-17.7	-1.9	.4	1.1	-5.3	11.8	16.4	16.4	16.4	6.0
24	.4	-3.3	-19.9	-.6	-.7	-2.4	-2.1	11.5	15.4	13.5	15.2	8.8
25	1.4	-11.6	-14.0	.6	.5	2.3	-1.5	12.6	12.6	13.8	14.4	9.4
26	4.6	-7.2	-6.8	3.8	2.3	4.9	2.8	8.8	12.3	14.1	12.9	7.5
27	6.6	-3.3	-5.1	4.6	.1	-5.1	4.6	6.2	15.3	12.1	13.6	3.9
28	5.5	-9.0	-5.8	3.4	-1.1	-9.5	3.7	8.6	13.9	13.0	14.6	7.5
29	.3	-8.5	-11.3	-3.4	-1.9	-2.7	4.0	-6.4	11.7	16.4	14.8	10.9
30	1.0	-2.4	-14.7	-7.6	---	-10.8	-5.8	-6.0	14.4	15.3	12.7	10.3
31	.5	---	-14.2	-9.7	---	-7.4	---	.7	---	14.7	12.0	---
MEAN	5.7	-2.5	-7.1	-4.8	-3.1	-3.7	.8	3.9	11.0	15.3	13.0	8.8
MAX	11.1	4.9	6.1	4.6	2.3	4.9	8.2	12.8	16.4	18.9	16.4	17.4
MIN	.3	-11.6	-19.9	-14.6	-12.5	-13.7	-6.7	-9.8	-.8	11.5	6.9	-.8
MED	5.1	-2.2	-6.8	-5.6	-1.5	-3.4	.6	5.2	13.0	15.3	13.6	8.8
CAL YR 1987	MEAN 2.8	MAX 17.4	MIN -19.9	MED 3.4								
WTR YR 1988	MEAN 3.1	MAX 18.9	MIN -19.9	MED 2.1								

EAST STEWART BASIN

EAST STEWART CREEK NEAR IONE, NV

DAILY MEAN AIR TEMPERATURE, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.2	5.8	3.4	-11.8	-3.2	-.7	-2.3	5.3	6.5	11.9	13.9	11.8
2	12.6	2.7	.8	-3.4	-8.8	-3.9	-.8	4.7	8.4	15.1	12.3	11.3
3	12.6	5.1	-2.0	-.1	-10.8	-15.0	-.9	5.6	4.3	17.8	13.0	11.4
4	10.8	2.7	-2.2	-2.8	-18.4	-3.8	1.5	7.7	4.1	14.7	14.0	13.7
5	8.7	6.8	.0	-7.1	-21.9	1.6	5.9	12.2	4.2	15.0	14.2	12.7
6	7.6	2.4	.0	-15.8	-18.9	3.2	7.9	13.0	7.2	15.7	15.3	10.5
7	7.9	2.3	-7.4	-15.6	-15.9	2.5	8.3	11.1	8.2	17.5	14.0	3.7
8	7.8	-4.1	-4.6	-11.8	-7.6	3.4	6.9	9.1	8.1	15.8	12.2	6.9
9	7.9	-2.3	.4	-4.6	-3.5	4.6	6.3	6.3	6.4	14.4	12.5	8.5
10	6.8	-.2	.4	-7.6	-8.2	5.0	7.9	-1.3	8.0	11.5	12.2	8.5
11	3.6	-3.7	2.0	-15.2	-10.1	2.9	2.8	-2.4	8.1	14.4	12.8	7.3
12	4.7	1.7	3.1	-8.2	-12.4	2.2	3.1	-2.4	11.3	11.2	14.4	5.8
13	7.0	1.6	2.0	-3.5	-14.9	-4.9	5.3	-2.2	13.0	14.4	15.6	8.6
14	2.2	-9.1	-7.0	-12.2	-12.2	-6.2	7.5	-1.5	14.5	16.6	13.9	11.2
15	6.9	-9.5	-13.0	-9.8	-7.0	-.6	5.1	.2	14.4	15.0	14.5	12.6
16	9.6	-5.7	-7.0	-5.8	-3.7	-3.6	5.6	2.7	9.2	11.6	14.3	11.2
17	8.0	-10.2	-4.2	-2.5	-.1	-3.9	7.9	6.9	11.5	13.8	12.8	2.9
18	9.0	-11.7	-6.7	1.0	.1	.0	9.6	5.2	14.6	17.6	11.4	2.1
19	7.6	-7.4	-9.1	-.4	-5.5	-3.9	10.4	3.2	15.0	20.2	11.2	3.1
20	8.1	-6.9	-6.4	-.9	-6.9	-4.0	9.8	8.7	8.3	18.1	8.4	5.7
21	8.4	-3.0	-12.0	-.4	-1.0	1.7	7.0	6.7	6.9	14.8	9.9	7.9
22	7.1	1.5	-10.4	-.8	2.7	.5	-1.1	9.6	9.5	13.1	12.8	9.3
23	7.6	-3.2	-13.3	-6.7	2.4	.5	-1.9	2.8	7.4	12.2	6.5	11.6
24	6.9	-11.7	-8.2	-9.0	3.9	1.9	-8.0	-2.2	7.4	13.4	3.2	13.5
25	6.8	-7.8	-15.8	-7.7	3.1	-3.6	-6.9	.5	8.2	16.0	6.5	11.8
26	7.6	-9.8	-17.9	-4.2	.4	-6.4	-6.1	5.8	11.4	18.4	10.6	12.2
27	6.7	-2.0	-12.2	-4.6	-4.3	-2.1	-5.6	8.2	9.0	16.8	10.7	11.3
28	5.6	-3.1	-16.4	-2.5	-4.3	1.0	-4.5	2.3	11.3	16.6	13.4	11.3
29	4.9	-2.6	-9.1	.7	---	-2.2	.1	-3.3	13.5	16.7	15.3	9.8
30	4.6	.5	-4.0	4.4	---	.8	4.3	-2.3	11.0	18.0	9.9	3.1
31	8.9	---	-10.7	2.0	---	1.1	---	3.0	---	17.0	8.8	---
MEAN	7.6	-2.7	-6.0	-5.4	-6.7	-1.0	2.8	4.0	9.4	15.3	12.0	9.0
MAX	12.6	6.8	3.4	4.4	3.9	5.0	10.4	13.0	15.0	20.2	15.6	13.7
MIN	2.2	-11.7	-17.9	-15.8	-21.9	-15.0	-8.0	-3.3	4.1	11.2	3.2	2.1
MED	7.6	-2.8	-6.7	-4.6	-6.2	.0	4.7	4.7	8.3	15.1	12.8	10.1
CAL YR 1988	MEAN 3.3	MAX 18.9	MIN -17.9	MED 2.8								
WTR YR 1989	MEAN 3.3	MAX 20.2	MIN -21.9	MED 4.1								

EAST STEWART BASIN

EAST STEWART CREEK NEAR IONE, NV

DAILY MEAN AIR TEMPERATURE, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.0	-1.3	-1.0	-2.8	-10.8	-.2	4.5	-1.6	.6	17.0	12.8	14.7
2	.5	-.3	.6	-12.1	-10.2	-.4	3.9	1.1	9.3	13.2	14.0	15.2
3	-2.6	1.7	1.2	-11.4	-2.8	-.3	3.7	3.6	13.6	11.8	15.8	14.9
4	-.7	2.2	1.4	-8.9	-9.7	-1.5	3.0	8.1	13.1	15.4	16.8	14.1
5	1.9	1.4	1.1	-4.5	-6.6	-8.2	1.7	10.4	9.5	15.0	18.3	13.7
6	3.7	-2.0	-2.8	-2.1	-5.3	-6.0	1.6	10.5	7.7	15.2	19.4	13.3
7	5.0	-3.4	.8	-.3	-14.0	.3	.3	5.3	10.1	15.8	17.0	14.4
8	6.7	-.5	3.9	2.2	-11.0	.8	-3.6	1.4	13.0	14.9	13.6	15.2
9	9.2	3.7	-.4	6.2	-5.1	.8	-1.5	6.3	12.2	15.3	14.9	15.6
10	10.3	5.7	-10.9	6.6	-1.0	-2.1	2.9	3.1	6.5	14.8	15.0	17.3
11	8.1	5.9	-6.9	3.0	2.8	-12.5	4.3	.9	6.4	15.9	12.4	16.8
12	11.0	5.2	-1.5	.0	-3.6	-14.0	3.6	4.4	4.5	16.7	13.9	16.3
13	9.4	3.3	-3.3	-3.3	-16.2	-13.2	6.5	3.6	3.5	14.3	14.4	15.8
14	5.9	-.9	-1.2	-8.5	-21.6	-6.6	9.3	2.6	2.3	13.0	15.5	15.6
15	1.7	1.1	-.1	-9.3	-14.9	-4.3	9.0	.1	3.2	12.8	9.5	12.3
16	2.1	.2	-4.2	-8.8	-10.9	.8	4.1	4.5	6.3	12.7	10.9	9.1
17	4.3	-.9	-4.0	-9.6	-11.3	1.1	-1.3	5.6	10.6	12.9	10.8	8.0
18	6.3	1.8	-7.6	-9.7	-13.7	2.6	.9	2.7	6.3	13.4	5.0	5.6
19	9.2	6.0	-5.3	-9.7	-9.8	4.9	4.6	.4	10.2	13.4	1.8	5.4
20	5.7	6.0	-3.9	-5.0	-4.9	4.3	2.4	4.1	13.8	14.0	3.4	8.1
21	3.7	2.3	-3.1	-2.0	-2.1	3.0	.7	8.0	17.7	15.7	7.8	8.6
22	4.0	2.5	1.1	-2.2	1.0	3.2	1.5	7.2	18.2	16.3	9.4	6.6
23	4.4	1.7	.4	-4.5	2.0	1.4	-1.4	3.0	17.1	14.8	10.9	4.8
24	3.3	-2.7	.8	-5.8	2.0	1.9	-4.8	-3.0	16.7	12.2	8.5	6.2
25	-6.7	-1.9	.7	-.2	.7	2.8	.4	3.7	16.7	10.7	8.0	7.6
26	-5.6	-9.0	.5	-8.3	.4	2.1	3.0	4.2	14.7	10.8	9.8	7.1
27	-2.7	-10.5	.3	-11.0	-1.5	-3.4	5.6	4.9	12.9	14.1	12.8	5.4
28	-9.3	-3.9	-5.7	-6.6	-.2	-5.6	2.3	-.3	14.8	15.6	12.8	4.1
29	-5.4	-1.0	-7.3	-5.1	---	-5.2	-4.8	2.0	18.2	17.6	15.6	7.1
30	-1.5	-3.4	-2.9	-6.4	---	-1.1	-5.0	1.9	17.9	16.9	12.3	8.4
31	-1.5	---	-1.0	-9.9	---	1.7	---	-.2	---	15.0	13.0	---
MEAN	2.8	.3	-1.9	-4.8	-6.4	-1.7	1.9	3.5	10.9	14.4	12.1	10.9
MAX	11.0	6.0	3.9	6.6	2.8	4.9	9.3	10.5	18.2	17.6	19.4	17.3
MIN	-9.3	-10.5	-10.9	-12.1	-21.6	-14.0	-5.0	-3.0	.6	10.7	1.8	4.1
MED	3.7	.6	-1.0	-5.1	-5.2	-.2	2.3	3.6	11.4	14.8	12.8	10.7
CAL YR 1989	MEAN 3.4	MAX 20.2	MIN -21.9	MED 3.2								
WTR YR 1990	MEAN 3.6	MAX 19.4	MIN -21.6	MED 3.0								

EAST STEWART BASIN

EAST STEWART CREEK NEAR IONE, NV

DAILY MEAN AIR TEMPERATURE, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.5	-6.9	-6.4	-2.4	1.6	-4.3	-2.3	-4.5	6.1	13.5	14.1	12.5
2	5.5	-10.2	-7.7	-3.6	.3	-4.5	-2.4	-5.8	8.5	16.4	12.1	14.2
3	6.3	-2.9	-3.7	-2.3	-2.3	-.9	.2	-4.4	9.5	18.3	13.7	12.9
4	11.3	1.3	2.1	-3.9	2.2	-.5	6.1	-.4	8.7	19.1	13.8	12.8
5	9.4	-4.6	-1.4	-5.1	-1.9	-8.0	7.9	5.0	4.4	17.6	13.5	11.6
6	3.0	-10.4	-1.6	-2.2	-1.2	-11.9	3.4	2.4	8.8	16.3	14.1	8.8
7	-2.5	-3.4	.8	-4.2	.5	-8.2	-4.4	6.6	8.4	15.5	13.7	8.0
8	-.6	.8	1.1	-7.2	-.4	-3.3	-4.3	4.7	10.1	13.9	14.1	8.1
9	4.7	1.9	6.2	-6.9	.5	-1.2	.4	-7.5	12.9	13.4	16.9	2.8
10	5.9	4.5	4.2	-4.8	.0	-3.2	-10.7	-7.2	14.3	13.3	15.5	1.4
11	2.6	7.0	-.9	-1.8	.8	-11.5	-11.5	-4.1	14.3	15.8	13.7	4.6
12	6.3	7.4	-5.1	-.7	-.9	-6.8	-6.8	2.0	13.8	18.2	13.2	5.5
13	6.2	9.3	-9.2	-3.0	-.8	-6.3	-4.4	1.0	11.0	18.7	12.6	7.7
14	7.4	6.0	-11.3	-2.8	1.9	-7.8	-.1	-2.1	7.1	16.7	14.9	7.9
15	8.4	2.0	-7.4	-5.9	2.9	-8.9	-2.2	3.0	10.5	15.8	12.3	8.1
16	4.3	5.8	-12.7	-7.2	-3.1	-6.3	-5.4	5.5	11.3	16.3	12.3	10.4
17	5.7	1.0	-9.3	-2.0	-7.9	-4.5	-5.4	-4.7	11.1	15.5	15.4	12.1
18	4.9	1.4	-6.4	-.7	-7.4	-5.4	-2.0	-6.6	12.8	16.1	16.5	13.0
19	-4.4	-1.8	-15.0	-3.9	-1.1	-7.3	2.1	-3.3	7.9	13.4	16.9	12.8
20	-4.5	-10.1	-21.5	-8.7	-.2	-7.7	.1	-.8	6.1	11.6	16.8	12.5
21	2.6	-7.3	-24.8	-9.0	2.2	-7.8	-2.7	.7	8.6	12.0	17.8	10.3
22	3.6	-.9	-21.3	-3.5	1.2	-6.6	-2.8	4.8	8.8	15.0	16.3	10.1
23	5.8	2.2	-16.1	-4.7	-2.1	-3.5	1.2	7.5	9.1	16.2	16.1	10.5
24	8.0	2.7	-11.4	-5.9	-2.6	-4.1	-.4	7.2	5.9	15.1	16.8	10.9
25	10.4	3.8	-9.0	-6.9	-1.0	-8.7	-7.6	7.0	4.5	14.9	16.1	13.8
26	8.1	-13.3	-10.2	-6.5	-.5	-8.6	-5.9	3.3	5.9	15.0	14.5	10.2
27	11.0	-10.3	-5.0	-7.9	-1.0	-7.5	-6.0	2.6	4.2	16.6	9.3	8.3
28	8.6	-5.2	-6.6	-8.4	-2.6	-5.2	-2.3	4.2	5.8	17.2	8.9	6.3
29	7.5	2.9	-15.5	-8.3	---	-3.9	-1.4	3.7	3.0	18.7	15.3	8.1
30	6.9	-3.7	-7.0	-3.2	---	.1	1.0	-3.1	8.7	15.3	17.0	8.0
31	1.5	---	-5.0	1.0	---	1.3	---	-1.7	---	12.9	15.4	---
MEAN	5.2	-1.0	-7.6	-4.6	-.8	-5.6	-2.3	.5	8.7	15.6	14.5	9.5
MAX	11.3	9.3	6.2	1.0	2.9	1.3	7.9	7.5	14.3	19.1	17.8	14.2
MIN	-4.5	-13.3	-24.8	-9.0	-7.9	-11.9	-11.5	-7.5	3.0	11.6	8.9	1.4
MED	5.9	.9	-7.0	-4.2	-.6	-6.3	-2.3	1.0	8.7	15.8	14.5	10.1
CAL YR 1990	MEAN 3.2	MAX 19.4	MIN -24.8	MED 3.2								
WTR YR 1991	MEAN 2.7	MAX 19.1	MIN -24.8	MED 2.0								

EAST STEWART BASIN

EAST STEWART CREEK NEAR IONE, NV

DAILY MAXIMUM AIR TEMPERATURE, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	2.7	10.1	4.4	10.4	16.3	22.4	23.2	16.8
2	---	---	---	---	-1.3	1.9	-9.2	12.1	17.2	21.2	23.1	17.1
3	---	---	---	---	-3.2	11.2	1.5	10.0	19.0	21.0	22.6	19.3
4	---	---	---	---	-5.6	5.8	3.6	-2.5	18.7	18.2	23.0	20.5
5	---	---	---	---	-5.9	7.3	2.6	1.4	14.2	15.4	21.7	21.3
6	---	---	---	---	-11.5	5.1	2.6	-4.4	16.1	16.7	22.3	20.1
7	---	---	---	---	-7.3	4.8	-2.0	-2.8	11.4	17.2	22.6	18.7
8	---	---	---	---	-8.5	1.5	-2.2	-6	10.4	17.0	23.0	14.4
9	---	---	---	---	-7.7	-2.1	4.0	5.6	11.8	---	23.3	7.1
10	---	---	---	---	-3.7	-2.5	4.3	5.0	17.2	---	19.3	11.0
11	---	---	---	---	-2.7	-5.4	7.3	5.4	18.4	---	20.5	15.1
12	---	---	---	9.2	-.4	-5.6	1.3	8.2	14.1	---	20.5	12.6
13	---	---	---	8.7	-.3	-4.8	-2.4	9.6	17.5	---	20.5	12.1
14	---	---	---	4.3	2.2	-6.6	3.3	6.9	18.3	---	21.8	9.6
15	---	---	---	-.8	-1.9	-3.1	4.4	7.4	18.8	---	21.9	7.6
16	---	---	---	2.6	.0	-3.3	-6.2	5.9	19.6	---	21.2	8.6
17	---	---	---	.9	1.4	-8.7	-4.9	12.7	19.6	---	22.4	6.9
18	---	---	---	10.3	2.0	-2.9	.3	15.9	15.7	---	19.1	5.8
19	---	---	---	8.0	.4	2.1	6.4	16.8	14.7	---	15.0	4.6
20	---	---	---	-1.3	-4.3	9.8	11.6	13.4	15.9	---	13.5	4.9
21	---	---	---	1.7	.9	6.6	14.4	4.3	18.6	---	18.1	7.6
22	---	---	---	5.3	.2	7.1	11.6	9.4	20.4	---	20.5	7.9
23	---	---	---	-1.0	5.7	7.4	4.2	12.3	21.6	---	21.2	4.8
24	---	---	---	4.7	14.1	4.4	2.1	17.1	19.8	---	20.8	3.3
25	---	---	---	7.7	11.8	5.7	-.2	19.4	20.1	---	19.2	-1.8
26	---	---	---	8.0	13.0	11.6	-1.7	19.4	23.2	---	20.0	2.1
27	---	---	---	10.5	14.5	10.8	7.8	19.8	20.7	---	15.1	-.3
28	---	---	---	9.7	13.3	9.5	9.0	18.0	18.3	---	17.1	3.0
29	---	---	---	5.6	---	9.7	6.3	19.4	17.2	---	18.2	5.5
30	---	---	---	1.5	---	7.3	10.9	19.7	19.9	---	16.9	5.7
31	---	---	---	.0	---	7.0	---	19.6	---	---	16.6	---
MAX	---	---	---	---	14.5	11.6	14.4	19.8	23.2	---	23.3	21.3

EAST STEWART BASIN

EAST STEWART CREEK NEAR IONE, NV

DAILY MAXIMUM AIR TEMPERATURE, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-.6	---	5.1	2.5	3.9	---	8.6	3.8	13.5	---	21.8	19.6
2	---	---	5.9	.9	2.7	---	7.7	3.6	16.0	---	21.6	17.2
3	---	---	5.2	1.3	-4.7	---	2.0	9.1	18.4	---	24.0	14.6
4	---	---	3.5	-3.7	.7	---	-2.9	13.2	18.4	---	21.1	14.9
5	---	8.9	2.1	-8.0	4.4	---	1.9	15.2	14.6	17.8	21.9	14.6
6	---	-3.0	-4.2	-8.0	4.4	---	4.7	14.7	10.4	17.6	23.0	14.0
7	---	-7.2	-5.3	-8.9	5.4	---	6.1	13.6	12.0	19.6	21.2	14.5
8	---	-5.1	-1.6	-6.4	2.2	---	5.7	12.3	11.8	19.2	21.3	16.0
9	---	.0	-4.0	.0	1.0	---	7.0	9.9	13.5	18.2	19.5	17.5
10	---	2.5	.6	1.4	1.8	---	7.2	9.7	16.3	18.6	19.9	17.6
11	---	5.5	3.3	6.5	.1	---	2.1	10.9	17.5	17.8	19.4	16.8
12	---	5.4	.3	5.4	-.3	---	2.0	14.0	19.9	19.6	19.6	14.8
13	---	6.3	2.5	.8	.2	---	9.2	15.5	19.8	21.2	17.5	13.2
14	---	4.6	1.7	-6.4	-.6	---	10.1	14.7	18.4	23.1	14.5	15.9
15	---	3.5	.8	-17.7	-2.4	---	11.3	11.9	10.9	19.0	15.1	15.0
16	---	3.6	-1.8	-11.7	-7.3	---	14.1	8.3	13.4	17.2	18.5	12.8
17	---	5.7	-1.2	-4.5	-5.8	---	12.5	8.8	15.2	9.7	20.4	14.4
18	---	4.2	-1.0	-2.9	-9.8	---	5.2	10.0	13.6	8.5	21.8	15.8
19	---	2.9	-2.6	-10.3	-11.9	---	-2.3	8.8	16.6	12.9	19.6	17.0
20	---	8.0	-4.1	-1.6	---	---	8.0	.5	16.7	13.2	19.3	17.7
21	---	2.5	1.8	3.4	---	---	12.5	2.3	17.0	10.0	18.6	18.7
22	---	-6.3	2.7	4.6	---	---	12.6	4.7	14.6	14.9	19.1	18.7
23	---	2.3	-3.0	-.3	---	---	10.9	7.4	18.0	17.8	18.1	17.5
24	---	7.9	-1.4	-1.1	---	---	12.5	7.9	20.9	18.1	16.3	17.1
25	---	-1.6	-.1	3.2	---	---	13.3	-2.0	20.6	20.4	16.1	16.1
26	---	2.6	.6	6.7	---	---	12.6	-2.0	19.1	21.2	17.1	14.3
27	---	6.5	-2.4	7.0	---	---	12.8	2.8	19.2	20.2	17.2	14.6
28	---	5.4	-.2	-.3	---	---	10.8	6.7	18.1	19.7	18.5	15.0
29	---	.6	2.3	.4	---	---	9.3	8.0	16.8	19.6	18.5	16.2
30	---	3.8	2.4	-.3	---	---	7.6	10.3	---	20.1	19.2	16.5
31	---	---	2.0	.0	---	---	---	13.0	---	21.2	20.8	---
MAX	---	---	5.9	7.0	---	---	14.1	15.5	---	---	24.0	19.6

EAST STEWART BASIN

EAST STEWART CREEK NEAR IONE, NV

DAILY MAXIMUM AIR TEMPERATURE, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.7	3.2	1.6	-6.3	-8.7	-2.3	6.6	-5.7	9.3	21.5	20.4	19.9
2	17.1	-6	4.7	-2.5	-8.0	-2.5	7.8	2.3	18.1	21.7	18.2	21.6
3	17.2	.2	8.1	-1.5	-3.9	1.0	4.5	5.9	19.4	21.0	18.2	22.7
4	17.0	4.2	5.6	.7	-2.2	2.1	3.4	2.6	16.7	19.3	21.0	22.5
5	16.7	2.1	3.0	-.5	.8	2.7	11.2	.4	7.2	18.0	16.3	21.5
6	17.1	-1.4	4.3	-8.3	.5	-.6	10.7	-5.0	6.1	18.0	11.4	20.9
7	15.5	.4	-4.2	-3.8	1.3	-.5	9.3	-1.2	5.3	20.5	13.0	20.3
8	14.7	5.7	-3.0	-6.0	2.0	7.4	1.4	2.7	10.0	21.5	16.8	20.1
9	14.3	4.6	3.2	-1.7	1.7	1.3	8.9	7.1	14.0	22.2	17.8	15.7
10	13.7	4.6	3.8	1.7	-2.3	-11.8	12.1	12.6	13.0	21.6	18.7	15.3
11	12.4	8.8	-1.8	-2.5	3.3	-10.7	13.7	16.5	12.1	21.1	18.0	6.8
12	7.1	5.9	-12.7	-2.9	5.8	-6.0	11.0	15.0	12.0	21.5	16.7	4.2
13	4.4	2.9	-15.2	-2.0	.1	1.9	7.3	9.1	15.9	22.4	15.4	11.0
14	9.2	-5.4	-10.8	5.7	2.9	-.1	1.1	14.7	17.4	22.2	17.1	15.0
15	9.3	-1.6	-4.6	.6	2.0	-4.7	1.6	16.2	19.4	21.2	13.4	16.1
16	10.8	-1.8	-5.4	-7.7	-5.9	-3.6	2.0	11.9	18.3	22.3	18.7	15.4
17	10.7	.2	-7.4	-9.1	-.2	1.7	.4	1.8	16.5	23.4	20.2	12.7
18	10.6	4.7	-4.1	-11.4	-6.5	7.4	1.2	5.5	19.5	22.6	21.0	10.5
19	9.3	8.2	-6.7	-7.3	1.7	8.7	1.8	9.1	18.6	22.9	20.9	13.0
20	10.2	8.1	-2.0	-2.6	2.3	8.1	-1.8	13.5	20.3	24.6	19.0	1.6
21	9.8	-2.8	-1.0	-2.6	4.3	3.2	-2.5	15.9	19.3	24.7	19.0	2.8
22	5.4	-1.9	-.8	3.4	4.3	3.4	-1.7	15.9	18.1	23.4	17.3	10.5
23	3.3	-4.0	-15.7	1.7	6.1	5.0	-3.6	16.8	20.7	21.8	21.0	12.7
24	4.2	2.2	-18.2	3.0	4.8	2.7	1.9	16.3	21.2	18.5	17.3	13.5
25	5.6	-7.1	-10.0	5.4	6.4	8.5	3.1	16.8	17.3	18.7	19.7	13.9
26	9.0	-1.1	-2.9	8.2	6.3	9.3	7.2	13.5	17.7	20.2	17.7	13.5
27	9.9	1.8	-1.4	7.6	1.9	1.8	7.1	11.3	20.6	16.7	20.7	8.4
28	7.7	-6.1	-1.8	6.0	.0	-3.2	6.9	12.3	20.2	19.2	21.3	13.3
29	3.1	-3.7	-9.1	.7	.3	.0	9.1	-1.5	18.3	22.2	20.6	16.5
30	4.0	-.6	-11.7	-5.6	---	-7.3	-1.1	-1.8	20.3	20.0	18.7	17.5
31	2.9	---	-9.9	-7.3	---	-1.9	---	6.1	---	20.1	17.2	---
MAX	17.2	8.8	8.1	8.2	6.4	9.3	13.7	16.8	21.2	24.7	21.3	22.7
WTR YR 1988	MAX 24.7											

EAST STEWART BASIN

EAST STEWART CREEK NEAR IONE, NV

DAILY MAXIMUM AIR TEMPERATURE, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.7	9.8	8.0	-7.1	.5	3.1	-.1	10.5	11.6	18.9	19.4	17.1
2	17.3	5.2	5.8	1.5	-6.4	.8	1.2	9.9	13.6	21.1	18.8	17.8
3	16.1	9.2	2.5	3.1	-8.7	-8.1	2.5	11.2	9.6	22.6	19.3	18.5
4	15.6	6.3	2.8	.9	-15.7	.8	7.7	14.4	6.8	21.9	19.8	19.4
5	12.5	11.9	4.0	-2.8	-18.9	4.9	13.0	16.3	8.0	22.5	20.2	18.5
6	11.1	7.7	4.1	-14.5	-15.5	5.3	15.0	17.0	14.3	23.4	21.3	17.6
7	12.4	6.9	-6.1	-11.6	-11.8	5.1	13.9	16.0	12.2	24.9	21.8	9.0
8	13.6	-.3	-1.0	-6.4	-3.0	4.8	13.1	14.4	13.3	22.0	16.6	13.9
9	12.5	3.6	2.8	-3.0	-.2	6.6	11.6	11.4	10.4	19.4	15.7	15.0
10	10.0	2.7	3.7	-2.3	-5.0	6.6	14.0	2.4	14.2	19.0	17.3	14.3
11	6.5	-.6	5.8	-12.2	-7.3	6.5	8.3	-1.5	13.0	18.4	18.0	12.1
12	8.4	5.2	7.2	-5.3	-9.3	6.1	8.1	1.5	17.1	14.1	19.4	12.5
13	9.5	5.1	6.5	-1.0	-12.3	-1.0	12.2	.4	19.3	19.7	21.4	15.2
14	7.7	-6.1	-.1	-9.1	-6.4	-1.1	13.1	.8	21.2	21.5	20.4	16.1
15	11.2	-7.0	-7.7	-4.9	.1	4.0	9.7	3.4	20.8	20.2	21.1	18.7
16	14.4	-2.6	-4.4	-.6	-2.0	2.1	11.6	7.5	14.3	18.8	20.4	15.5
17	14.8	-8.4	-3.0	1.3	2.8	.9	13.8	13.2	18.4	21.0	17.1	7.3
18	15.5	-8.9	-4.9	5.1	3.1	2.0	15.1	9.6	21.7	23.5	17.3	7.5
19	13.1	-3.1	-7.9	2.1	-2.4	-.3	14.8	10.4	20.0	24.5	17.4	8.6
20	13.7	-3.3	-2.7	4.0	-2.7	2.7	14.4	13.8	12.9	23.3	13.2	12.4
21	14.6	1.2	-6.4	3.5	1.1	5.4	12.9	13.5	13.0	19.3	16.1	14.3
22	13.7	3.5	-6.9	.8	5.8	5.6	3.7	14.7	16.0	20.7	17.9	16.4
23	14.5	3.3	-10.0	-3.4	5.1	3.1	3.3	7.0	12.3	17.4	10.0	17.9
24	13.3	-7.2	-6.5	-4.9	6.2	4.9	-3.8	2.5	11.6	18.5	11.3	18.0
25	13.0	-6.8	-14.0	-5.2	5.2	1.3	-2.5	6.7	14.6	22.2	13.5	14.7
26	12.2	-6.5	-13.6	.1	2.8	-3.1	-2.3	11.9	16.0	22.4	16.4	16.6
27	11.6	2.9	-6.6	-.3	-.8	1.4	-2.2	13.7	13.2	21.8	17.8	15.3
28	10.2	2.5	-15.3	.2	1.2	5.3	-.7	6.8	16.0	21.8	19.0	15.4
29	9.6	.6	-4.8	2.9	---	1.3	6.3	.5	17.6	22.5	19.8	13.8
30	10.4	2.7	-.4	8.6	---	6.0	7.4	2.1	16.2	22.2	16.2	6.6
31	11.7	---	-8.1	3.5	---	4.3	---	7.6	---	21.7	16.3	---
MAX	17.7	11.9	8.0	8.6	6.2	6.6	15.1	17.0	21.7	24.9	21.8	19.4
CAL YR 1988	MAX 24.7											
WTR YR 1989	MAX 24.9											

EAST STEWART BASIN

EAST STEWART CREEK NEAR IONE, NV

DAILY MAXIMUM AIR TEMPERATURE, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.5	4.5	3.7	.2	-8.3	2.6	10.4	4.0	7.8	22.1	19.4	20.1
2	6.6	4.5	7.3	-8.8	-5.9	2.4	8.9	4.1	15.1	18.5	21.3	19.6
3	.5	6.3	8.3	-6.5	1.2	3.1	8.0	8.5	19.3	18.5	22.3	19.1
4	6.3	7.7	7.6	-3.9	-5.9	3.2	8.1	13.9	17.8	20.5	22.5	18.5
5	10.2	5.3	4.7	-.4	-1.5	-6.9	7.2	17.0	15.8	21.6	24.0	19.1
6	10.4	3.7	1.4	1.8	-2.6	-.3	5.4	15.7	12.3	21.4	24.7	18.3
7	12.3	2.5	5.8	1.8	-11.5	6.6	6.5	10.3	17.0	20.8	20.9	19.9
8	15.1	5.9	6.4	4.2	-5.8	3.6	-2.1	7.5	19.3	19.7	20.9	20.7
9	16.7	8.9	2.2	8.8	-.6	5.2	5.5	12.2	17.4	20.4	20.1	22.2
10	15.1	11.8	-7.6	9.2	2.5	2.0	10.3	6.4	10.8	19.2	21.3	22.7
11	14.8	12.1	-2.9	7.0	8.3	-10.5	9.3	5.3	12.1	22.1	20.0	22.8
12	15.2	9.0	1.7	1.8	.5	-10.4	10.3	11.4	10.0	21.2	20.0	22.6
13	14.6	7.3	.5	-2.2	-11.5	-8.3	13.8	10.7	11.1	20.4	21.7	21.8
14	11.1	2.3	2.4	-5.1	-19.2	-2.5	14.3	7.6	7.8	19.0	21.6	20.1
15	7.6	6.9	4.8	-6.4	-10.1	.6	13.2	5.4	7.2	17.8	15.5	18.2
16	8.5	4.8	.2	-5.5	-9.1	6.7	8.5	11.2	13.0	17.2	18.4	15.7
17	11.4	2.3	-1.4	-8.4	-7.4	5.4	1.4	10.7	16.4	19.0	16.5	12.5
18	13.7	9.4	-3.3	-7.3	-11.3	8.9	5.4	9.4	10.2	19.0	11.0	9.8
19	12.9	13.3	-.1	-4.3	-5.3	9.0	8.2	5.3	17.0	18.8	6.3	10.5
20	8.7	14.1	2.5	-.9	1.8	9.8	5.7	9.4	20.7	21.0	10.2	13.6
21	5.7	7.9	1.5	3.2	1.4	8.9	4.9	13.6	22.9	22.9	14.2	13.1
22	8.7	8.6	5.7	1.9	7.1	7.5	5.9	13.5	23.6	23.9	17.5	11.1
23	6.8	4.2	5.9	-.3	9.5	7.4	3.5	10.3	22.0	22.1	16.4	8.6
24	7.6	.1	6.4	-1.7	7.9	8.4	-3.0	3.3	22.2	19.6	14.3	10.5
25	-2.5	1.6	5.7	2.2	6.6	8.6	6.7	9.1	22.5	18.7	14.6	12.7
26	.9	-2.8	6.7	-.7	5.6	7.7	7.4	9.1	20.8	19.1	15.0	12.4
27	1.3	-6.5	4.2	-5.1	4.1	1.9	10.0	8.2	20.7	21.9	18.9	11.7
28	-5.5	.0	-3.3	-3.3	4.2	-2.3	8.0	1.4	22.0	21.6	20.0	7.6
29	.4	2.7	-4.0	-2.6	---	-1.4	-.7	5.6	23.3	23.1	21.1	13.2
30	5.5	2.6	-.5	-2.9	---	5.3	-.8	7.2	21.8	22.7	18.3	15.4
31	3.9	---	3.5	-5.3	---	8.2	---	3.4	---	21.2	20.0	---
MAX	16.7	14.1	8.3	9.2	9.5	9.8	14.3	17.0	23.6	23.9	24.7	22.8
CAL YR 1989	MAX 24.9											
WTR YR 1990	MAX 24.7											

EAST STEWART BASIN

EAST STEWART CREEK NEAR IONE, NV

DAILY MAXIMUM AIR TEMPERATURE, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.2	-3.1	-.8	5.7	7.5	-2.4	1.2	1.1	10.9	20.8	21.5	20.2
2	11.4	-6.7	-1.8	4.6	5.1	-.5	4.4	-4.5	14.8	22.7	19.2	20.9
3	13.6	.9	3.1	1.3	2.1	1.4	8.2	-1.3	15.0	24.1	19.9	19.0
4	16.6	7.0	6.3	-.3	8.1	1.2	12.0	7.3	14.5	25.6	19.5	19.2
5	14.5	-.1	2.2	3.7	3.7	-4.1	12.0	11.9	10.8	24.9	19.2	15.6
6	7.7	-7.3	5.4	1.7	5.1	-7.0	8.1	6.9	16.3	24.2	20.1	11.1
7	2.0	1.4	8.5	-.2	7.5	.2	.1	12.5	15.7	23.0	19.9	13.5
8	7.1	4.6	9.0	-1.0	6.3	3.6	4.0	9.5	16.5	19.4	23.0	13.4
9	13.7	10.5	11.2	-2.3	6.8	.8	5.2	-4.8	18.8	18.2	23.1	9.1
10	12.8	13.9	9.2	-2.4	6.8	.6	-5.8	-.1	20.0	21.0	21.7	6.3
11	10.3	11.5	3.2	3.4	6.6	-8.0	-8.0	1.9	21.7	21.5	20.5	9.8
12	12.1	12.6	-1.9	3.1	3.0	-1.2	-2.5	8.9	21.8	22.6	19.4	13.4
13	11.4	13.2	-5.9	-1.4	3.6	-.6	2.0	6.0	18.0	23.2	19.8	15.8
14	14.1	9.3	-5.6	1.7	9.5	-2.3	5.7	2.9	13.6	22.2	20.4	14.7
15	13.5	5.9	-4.3	-3.0	6.2	-3.5	3.3	11.5	17.6	20.8	16.6	16.7
16	8.9	9.4	-9.3	-2.1	-1.4	.8	.8	11.5	18.2	21.6	19.5	19.7
17	11.9	4.8	-5.0	.4	-6.2	-2.1	-.6	1.6	17.1	21.5	21.9	20.5
18	8.0	5.6	-2.7	6.6	-3.0	-3.2	3.9	-4.1	18.0	21.3	21.1	20.1
19	-1.3	1.5	-8.9	.4	5.5	-3.4	6.3	1.5	14.2	19.2	22.4	20.1
20	2.2	-4.3	-20.0	-3.9	7.6	-4.2	4.4	4.1	13.3	17.1	22.3	20.3
21	10.1	-3.4	-19.0	-5.8	9.3	-5.3	2.5	7.4	14.1	17.8	22.9	17.9
22	8.9	8.8	-15.9	-.3	6.3	-1.7	2.8	10.1	15.9	20.3	23.6	18.4
23	12.1	9.0	-9.8	.7	3.4	.0	7.3	14.5	16.4	22.3	22.1	18.2
24	15.4	11.3	-3.1	-.8	3.6	.2	5.7	14.3	11.5	21.8	21.9	20.5
25	14.9	7.8	-3.8	.3	7.0	-5.5	-4.9	13.4	10.8	21.8	22.0	20.2
26	14.2	-8.5	-7.1	1.2	5.7	-3.2	-2.0	8.5	12.1	21.6	19.1	16.7
27	15.8	-3.3	1.9	-1.5	4.5	-2.6	-1.3	8.8	6.4	23.8	13.8	13.6
28	13.1	2.5	-3.0	-2.1	1.7	1.8	5.1	10.2	11.1	22.5	18.2	13.5
29	11.9	9.1	-9.4	-1.8	---	1.4	2.5	9.5	8.4	24.2	22.1	15.5
30	12.2	.5	.5	5.1	---	7.2	7.0	-.7	16.1	22.9	21.8	17.0
31	4.3	---	3.2	5.4	---	4.9	---	2.8	---	16.0	19.9	---
MAX	17.2	13.9	11.2	6.6	9.5	7.2	12.0	14.5	21.8	25.6	23.6	20.9
CAL YR 1990	MAX 24.7											
WTR YR 1991	MAX 25.6											

EAST STEWART BASIN

EAST STEWART CREEK NEAR IONE, NV

DAILY MINIMUM AIR TEMPERATURE, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	-9.0	1.4	-10.8	4.4	7.7	9.5	11.3	3.4
2	---	---	---	---	-6.4	-1.8	-13.2	5.3	8.0	9.0	11.8	4.7
3	---	---	---	---	-8.8	-1.5	-10.7	-4.2	6.9	8.3	9.8	4.4
4	---	---	---	---	-12.6	-1.3	-4.0	-10.0	6.7	3.3	9.8	6.8
5	---	---	---	---	-15.0	-2.5	-2.9	-9.0	3.1	.8	9.7	10.0
6	---	---	---	---	-16.0	-1.1	-4.3	-9.5	4.2	4.7	11.1	9.1
7	---	---	---	---	-17.8	-.2	-5.6	-9.8	1.5	4.2	10.2	7.3
8	---	---	---	---	-18.5	-9.0	-5.6	-6.1	.2	4.7	10.0	2.0
9	---	---	---	---	-17.5	-9.8	-3.6	-5.5	.4	---	10.7	-2.8
10	---	---	---	---	-11.3	-6.8	-2.3	-2.8	1.2	---	7.7	-3.4
11	---	---	---	---	-8.7	-7.9	-2.5	-6.7	8.2	---	6.8	1.5
12	---	---	---	-.9	-5.9	-13.6	-10.3	-3.3	3.4	---	7.3	3.8
13	---	---	---	4.3	-5.3	-11.5	-11.9	-1.5	6.2	---	7.9	1.1
14	---	---	---	-3.4	-1.6	-11.0	-3.5	-3.0	3.5	---	8.4	-2.1
15	---	---	---	-5.4	-4.9	-7.7	-6.1	-1.3	2.6	---	13.2	-4.3
16	---	---	---	-2.7	-5.6	-12.6	-8.9	-2.0	6.7	---	12.1	-2.1
17	---	---	---	-2.4	-2.0	-10.5	-9.1	-2.5	11.8	---	10.5	-1.8
18	---	---	---	-2.8	-1.3	-12.4	-10.2	2.3	1.5	---	11.0	-5.1
19	---	---	---	-.6	-7.6	-6.8	-5.4	5.8	.3	---	9.2	-5.6
20	---	---	---	-10.6	-8.7	-2.6	2.8	3.1	1.5	---	6.5	-8.2
21	---	---	---	-10.8	-10.1	1.0	4.0	-7.0	3.6	---	5.2	-3.9
22	---	---	---	-2.1	-3.6	-.1	1.8	-9.5	8.2	---	7.9	-.8
23	---	---	---	-9.9	-2.9	.3	-2.0	3.9	9.3	---	11.6	-2.6
24	---	---	---	-8.9	.2	-2.3	-4.9	3.1	8.3	---	14.3	-4.8
25	---	---	---	-1.8	.5	-5.0	-8.0	7.3	6.0	---	8.3	-6.0
26	---	---	---	-2.2	-1.0	-1.3	-10.3	8.3	9.9	---	10.1	-5.5
27	---	---	---	-.3	.7	2.8	-4.6	7.1	9.9	---	8.7	-8.7
28	---	---	---	1.3	.2	3.2	-.3	9.8	3.4	---	7.1	-8.9
29	---	---	---	-.8	---	.2	-2.8	9.2	1.9	---	7.1	-5.9
30	---	---	---	-4.0	---	-.7	-.6	10.7	6.7	---	4.9	-2.8
31	---	---	---	-4.8	---	-1.4	---	9.3	---	---	4.7	---
MIN	---	---	---	---	-18.5	-13.6	-13.2	-10.0	.2	---	4.7	-8.9

EAST STEWART BASIN

EAST STEWART CREEK NEAR IONE, NV

DAILY MINIMUM AIR TEMPERATURE, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-4.5	---	-4.5	-6.6	-1.1	---	-3.4	-6.1	1.4	---	9.6	8.5
2	---	---	-2.9	-10.4	-5.2	---	2.1	-7.2	2.9	---	7.5	6.5
3	---	---	-2.1	-4.3	-9.5	---	-7.1	-2.7	5.3	---	10.5	4.5
4	---	---	-.3	-10.1	-8.5	---	-7.0	2.1	7.2	---	9.7	2.7
5	---	-1.7	-5.2	-12.1	-5.8	---	-7.3	6.6	5.3	6.1	10.5	7.8
6	---	-11.5	-8.6	-15.5	-.6	---	-5.7	5.6	3.6	4.4	9.6	6.0
7	---	-12.7	-9.8	-15.0	.7	---	-4.2	6.6	2.4	6.1	8.5	4.4
8	---	-13.5	-7.5	-16.3	-2.1	---	-3.4	5.3	2.6	6.9	10.5	6.1
9	---	-8.5	-9.3	-11.0	-1.9	---	-2.8	2.8	1.8	9.6	9.8	7.3
10	---	-6.5	-7.3	-5.0	-5.5	---	-2.2	2.3	7.1	7.5	7.6	6.0
11	---	-3.1	-3.9	-1.8	-4.9	---	-5.8	2.7	6.5	7.6	7.0	7.8
12	---	-3.0	-6.4	1.1	-4.6	---	-9.5	3.3	10.0	7.0	6.7	5.9
13	---	.1	-5.3	-11.9	-9.2	---	-3.4	2.4	10.7	8.2	6.1	1.9
14	---	-1.2	-3.9	-17.4	-11.5	---	1.1	4.4	11.2	12.4	1.3	3.2
15	---	-4.8	-5.1	-22.4	-10.3	---	.5	4.1	-.5	10.5	.4	2.7
16	---	-4.4	-7.1	-22.2	-12.4	---	1.0	1.4	-.9	7.7	2.9	-.2
17	---	-.5	-8.2	-13.7	-13.0	---	1.8	.7	2.4	-3.7	5.6	1.6
18	---	-.4	-7.1	-9.5	-14.2	---	-11.7	.0	.9	-5.0	7.7	2.4
19	---	-2.2	-9.4	-16.4	-15.8	---	-13.4	-1.5	3.2	3.2	12.3	3.1
20	---	-1.0	-6.8	-15.4	---	---	-5.1	-4.9	4.4	6.0	8.9	4.3
21	---	-9.9	-9.9	-5.5	---	---	-1.6	-4.4	2.0	.2	9.9	8.4
22	---	-10.5	-4.6	-2.3	---	---	6.3	-1.8	-.3	.0	11.5	8.8
23	---	-8.7	-10.7	-10.2	---	---	3.5	-.3	3.9	5.8	6.9	5.8
24	---	-5.4	-10.0	-8.0	---	---	4.4	-2.1	6.6	10.6	6.9	5.1
25	---	-7.4	-10.8	-3.2	---	---	5.6	-4.9	9.7	11.6	4.6	4.8
26	---	-5.5	-5.6	1.9	---	---	6.0	-4.5	9.2	13.1	4.9	2.2
27	---	1.3	-8.3	-1.5	---	---	5.7	-2.2	7.5	11.6	6.0	-.1
28	---	-.4	-7.5	-11.0	---	---	3.9	-2.3	6.9	7.8	6.9	1.9
29	---	-11.3	-7.3	-7.1	---	---	2.3	-.8	7.3	11.8	8.4	3.6
30	---	-6.3	-7.7	-9.3	---	---	-1.3	4.2	---	8.0	8.6	5.5
31	---	---	-5.4	-9.3	---	---	---	1.1	---	9.2	8.8	---
MIN	---	---	-10.8	-22.4	---	---	-13.4	-7.2	---	---	.4	-.2

EAST STEWART BASIN

EAST STEWART CREEK NEAR IONE, NV

DAILY MINIMUM AIR TEMPERATURE, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.4	-.8	-3.0	-12.7	-16.2	-6.0	-7.0	-13.0	1.5	10.3	8.1	9.7
2	5.3	-3.4	.6	-11.1	-15.1	-5.6	-3.5	-9.7	4.6	9.3	7.0	13.4
3	6.2	-2.4	3.9	-3.4	-14.0	-7.9	-1.7	-4.3	10.6	8.2	6.9	14.0
4	4.6	-.4	-1.6	-2.7	-9.0	-5.1	-2.4	-1.8	8.0	6.4	7.3	10.2
5	5.0	-2.6	-5.4	-8.5	-7.4	-3.0	-3.2	-9.7	-4.0	5.3	6.7	9.2
6	5.5	-2.7	-3.9	-12.7	-4.9	-6.0	5.2	-10.6	-4.0	4.4	2.7	8.1
7	5.0	-3.7	-12.5	-9.3	-5.7	-8.7	-5.3	-8.8	-7.0	9.2	2.6	7.4
8	3.3	-3.7	-7.1	-9.3	-4.3	-3.6	-8.3	-8.3	-9.0	10.5	4.0	8.5
9	4.5	-3.8	-3.9	-5.7	-3.3	-13.0	-4.1	-2.2	4.5	12.1	10.4	8.6
10	6.2	-4.2	-1.8	-5.9	-5.7	-16.0	-.3	3.7	5.4	9.0	7.7	1.2
11	6.4	-1.0	-13.6	-14.2	-3.5	-15.9	2.1	3.7	3.3	8.1	10.4	-2.2
12	.3	2.2	-17.8	-15.9	-4.8	-14.7	4.7	5.5	2.2	6.8	4.1	-5.6
13	-.9	-5.3	-19.2	-6.3	-6.8	-10.1	.8	1.4	5.4	9.5	2.1	-3.0
14	-.3	-13.5	-20.5	-2.1	-5.1	-7.0	-2.5	1.0	9.0	7.2	6.6	.0
15	-.8	-13.5	-14.6	-12.9	-5.6	-12.5	-2.4	10.1	10.1	7.6	1.4	5.3
16	.6	-5.6	-8.3	-13.1	-14.0	-11.9	-.4	1.3	10.9	10.2	3.0	2.6
17	-.3	-7.2	-11.1	-14.0	-13.3	-10.4	-2.7	-1.7	10.5	9.7	11.8	-1.2
18	-1.6	-6.5	-11.4	-18.3	-12.6	-5.0	-6.5	-4.0	10.9	8.4	10.4	-3.3
19	-.3	-1.4	-11.2	-17.7	-11.0	-2.1	-2.6	-1.9	10.8	10.7	11.5	-.5
20	4.1	-6.8	-10.9	-9.3	-1.6	-.4	-9.5	-.2	9.0	13.3	12.9	-1.4
21	3.4	-8.5	-4.9	-12.2	-5.3	-5.2	-11.6	1.5	11.1	10.8	8.2	-1.8
22	1.1	-8.4	-15.6	-6.9	-5.3	-6.4	-9.8	6.2	11.4	11.4	8.2	-.7
23	-.7	-10.7	-19.8	-4.9	-3.0	-5.9	-7.4	5.7	11.4	10.0	13.1	1.0
24	-2.9	-10.4	-22.1	-3.7	-4.6	-7.4	-6.2	5.3	11.0	9.7	13.5	4.0
25	-2.2	-15.5	-21.1	-3.3	-4.2	-2.9	-4.8	7.9	7.8	8.4	9.6	6.1
26	.6	-16.1	-9.5	-.8	-2.1	1.0	-2.5	3.3	5.9	8.9	9.7	1.8
27	1.7	-6.7	-9.2	1.9	-.8	-12.5	3.1	1.1	10.6	7.4	7.5	-.3
28	2.7	-12.2	-9.0	.0	-1.8	-14.9	-1.4	-.2	7.5	6.8	7.8	1.9
29	-1.2	-12.8	-14.1	-8.3	-4.3	-9.8	-1.6	-7.9	5.5	11.1	8.8	4.6
30	-1.9	-5.5	-18.1	-8.7	---	-13.5	-11.7	-8.5	6.7	10.9	8.7	4.0
31	-.6	---	-17.1	-11.9	---	-12.4	---	-6.5	---	10.0	7.5	---
MIN	-2.9	-16.1	-22.1	-18.3	-16.2	-16.0	-11.7	-13.0	-9.0	4.4	1.4	-5.6
WTR YR 1988	MIN -22.1											

EAST STEWART BASIN

EAST STEWART CREEK NEAR IONE, NV

DAILY MINIMUM AIR TEMPERATURE, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.0	-1.3	-4.0	-16.1	-9.5	-5.3	-5.5	.8	1.6	3.3	6.7	5.0
2	6.8	-2.0	-4.9	-9.1	-11.4	-10.8	-2.5	-1.1	1.7	7.4	6.8	4.9
3	9.4	.6	-5.0	-5.3	-15.3	-17.6	-3.9	.7	1.4	11.2	7.0	4.8
4	5.8	.5	-4.9	-5.7	-23.7	-9.1	-3.5	1.2	2.0	6.7	6.5	6.3
5	4.1	.8	-3.7	-14.4	-24.1	-3.4	-.5	6.2	.4	7.6	7.1	5.6
6	5.1	-2.7	-6.4	-16.9	-21.3	.6	1.9	7.9	.3	7.2	9.2	3.8
7	3.3	-3.6	-8.4	-19.3	-21.9	.3	3.6	6.5	3.4	9.9	9.3	-1.3
8	2.7	-7.8	-8.8	-20.1	-14.6	1.2	2.5	5.4	4.1	9.9	8.1	.5
9	2.6	-9.2	-1.8	-6.1	-8.1	3.1	1.4	2.4	2.4	5.1	10.5	1.9
10	5.5	-4.4	-4.3	-16.3	-11.9	3.9	1.7	-5.4	1.9	2.8	8.1	2.9
11	-.2	-8.3	-1.6	-16.5	-12.2	.2	-.9	-4.5	3.8	10.5	6.1	2.7
12	.1	-1.7	.0	-15.2	-15.8	-2.2	-.9	-5.6	6.2	7.6	9.7	-.9
13	1.0	-4.9	-3.3	-8.2	-18.5	-9.1	-1.3	-5.7	6.3	8.1	10.3	3.3
14	-1.5	-12.5	-16.7	-16.2	-16.6	-11.2	2.0	-2.9	7.1	9.5	8.2	5.5
15	.5	-13.8	-16.5	-15.4	-13.3	-6.8	.5	-2.2	7.2	6.9	7.7	6.4
16	4.7	-11.2	-8.7	-9.8	-6.4	-10.3	.4	-1.7	3.4	3.5	6.5	7.4
17	3.8	-11.9	-5.1	-6.0	-6.1	-11.3	1.6	-.5	3.3	6.1	5.2	-2.0
18	3.8	-14.1	-10.5	-3.0	-4.2	-1.7	3.3	-3.4	7.3	10.5	4.8	-.8
19	2.8	-10.9	-12.0	-2.5	-7.6	-10.0	4.7	-5.0	7.7	15.8	6.6	-.3
20	2.9	-10.3	-11.4	-4.1	-11.4	-11.5	6.0	1.6	2.0	13.4	3.9	.7
21	4.2	-8.2	-14.8	-5.3	-4.8	-1.3	-1.4	-.9	.8	8.8	3.3	2.1
22	2.4	-1.2	-13.4	-3.5	1.1	-4.5	-4.9	4.1	1.9	8.3	6.4	1.6
23	3.4	-11.7	-17.4	-12.3	.6	-2.4	-5.3	-5.0	2.6	7.1	.2	3.6
24	3.1	-14.5	-13.4	-12.6	1.8	-.3	-12.5	-7.9	3.6	8.4	-3.6	10.3
25	2.6	-9.5	-17.7	-10.4	1.1	-7.9	-9.3	-5.6	.5	7.9	-.6	8.3
26	2.9	-12.3	-22.5	-8.0	-4.2	-9.6	-10.8	-3.5	5.0	15.7	3.9	10.0
27	1.8	-11.3	-15.5	-8.1	-7.3	-6.4	-8.2	3.1	4.9	11.8	4.1	9.2
28	.9	-7.3	-18.1	-4.0	-8.4	-3.9	-9.8	-5.1	5.5	10.8	5.7	8.5
29	.3	-7.5	-14.9	-3.2	---	-4.8	-7.2	-5.9	10.7	9.8	10.6	6.6
30	-.9	-1.4	-8.0	1.1	---	-4.5	-1.0	-5.6	3.9	15.0	2.8	-1.4
31	4.5	---	-14.7	.4	---	-3.0	---	-2.5	---	11.0	1.4	---
MIN	-.9	-14.5	-22.5	-20.1	-24.1	-17.6	-12.5	-7.9	.3	2.8	-3.6	-2.0
CAL YR 1988	MIN -22.5											
WTR YR 1989	MIN -24.1											

EAST STEWART BASIN

EAST STEWART CREEK NEAR IONE, NV

DAILY MINIMUM AIR TEMPERATURE, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-2.1	-6.3	-7.5	-8.7	-13.1	-2.8	-.9	-7.2	-6.9	12.0	8.2	8.6
2	-3.2	-5.0	-2.6	-15.5	-14.9	-2.6	-1.7	-2.6	4.2	5.1	6.8	11.9
3	-4.4	-2.3	-2.1	-16.5	-8.0	-4.4	-1.1	-1.0	8.9	4.0	9.5	11.8
4	-6.4	-1.5	-1.7	-14.3	-15.1	-6.9	-1.2	2.2	6.0	10.7	10.7	10.7
5	-4.2	-4.5	-3.1	-7.9	-15.5	-9.5	-2.6	4.7	2.9	7.6	12.1	7.7
6	-1.6	-6.4	-6.8	-7.6	-10.5	-11.1	-2.2	3.7	2.2	9.1	15.1	8.0
7	1.2	-6.8	-5.0	-3.5	-16.4	-6.4	-3.9	1.2	2.8	10.0	10.3	10.3
8	.8	-5.2	1.0	.2	-17.7	-1.7	-5.3	-4.2	5.0	9.0	8.6	10.3
9	2.6	-.2	-6.7	3.9	-10.3	-4.2	-6.7	-2.6	5.7	10.7	8.9	9.5
10	4.6	1.9	-13.8	3.5	-3.5	-11.5	-4.0	-.4	1.5	8.8	8.8	12.5
11	3.0	1.4	-13.7	-1.3	-3.8	-14.7	-1.0	-1.9	-.7	9.7	7.6	11.1
12	6.0	.5	-4.3	-2.5	-10.7	-19.0	-2.0	-1.9	-1.1	11.9	7.6	10.7
13	3.2	-1.3	-6.6	-7.0	-21.0	-17.2	-.3	-4.0	-2.4	9.9	6.7	9.4
14	.0	-4.6	-5.8	-12.7	-23.5	-12.4	3.9	-3.2	-1.7	7.2	8.4	12.3
15	-2.6	-3.4	-3.8	-13.1	-23.2	-9.4	6.0	-5.6	-.1	7.7	4.8	4.9
16	-2.8	-2.9	-8.5	-10.7	-12.4	-4.2	-1.9	-4.0	-1.7	8.3	4.3	3.4
17	-.7	-3.4	-8.2	-10.5	-15.7	-1.7	-2.8	-1.6	5.4	7.1	4.5	4.3
18	1.7	-4.2	-10.3	-11.8	-15.9	-3.4	-2.5	-5.0	.8	7.9	.5	1.6
19	6.8	1.8	-9.2	-14.3	-15.6	1.6	.9	-3.9	1.7	8.4	-.6	.3
20	1.5	2.0	-7.8	-10.0	-11.4	-.5	-.5	-2.0	5.6	7.4	-2.5	4.0
21	1.7	-1.3	-6.9	-5.2	-6.3	-1.2	-2.1	2.8	12.0	8.1	3.0	4.8
22	1.7	-1.4	-1.6	-8.3	-2.9	-.6	-1.0	.2	10.8	9.2	2.6	4.0
23	2.6	-1.8	-2.9	-8.5	-2.7	-2.6	-5.3	-6.8	10.4	7.4	4.3	2.6
24	-2.0	-6.7	-2.8	-11.1	-2.3	-3.1	-6.9	-7.0	9.5	4.4	3.1	3.3
25	-7.9	-7.1	-2.5	-2.6	-3.0	-2.2	-6.5	-3.6	9.9	3.1	.5	4.6
26	-12.9	-14.2	-2.9	-15.5	-3.4	-4.4	-.5	.0	7.1	2.6	4.7	4.0
27	-9.0	-15.9	-3.6	-16.1	-4.5	-6.9	-.2	1.3	4.4	5.5	5.8	1.3
28	-12.6	-7.0	-8.5	-13.1	-3.4	-8.9	-5.6	-1.6	6.1	9.9	4.7	1.2
29	-8.8	-4.0	-11.2	-8.9	---	-9.2	-7.8	-.5	13.5	10.1	7.5	2.9
30	-6.8	-7.3	-6.2	-12.6	---	-5.9	-8.8	-4.8	12.4	10.9	7.1	1.8
31	-5.8	---	-5.4	-16.2	---	-3.8	---	-5.2	---	8.1	6.9	---
MIN	-12.9	-15.9	-13.8	-16.5	-23.5	-19.0	-8.8	-7.2	-6.9	2.6	-2.5	.3
CAL YR 1989	MIN -24.1											
WTR YR 1990	MIN -23.5											

EAST STEWART BASIN

EAST STEWART CREEK NEAR IONE, NV

DAILY MINIMUM AIR TEMPERATURE, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.4	-11.2	-9.0	-6.4	-4.2	-7.4	-6.5	-6.6	.8	5.5	5.9	5.7
2	-.5	-14.3	-13.3	-7.8	-5.1	-10.2	-8.2	-6.4	2.3	9.1	7.1	9.8
3	-1.4	-11.5	-8.7	-4.7	-7.5	-2.6	-7.0	-8.1	2.4	13.5	7.1	9.8
4	6.9	-3.5	-1.4	-7.9	-4.1	-3.6	-.8	-8.1	1.3	11.5	6.7	6.2
5	1.7	-10.5	-4.5	-8.7	-4.8	-12.7	5.9	-2.7	-1.5	10.0	5.0	7.5
6	-.8	-12.1	-6.1	-5.1	-4.7	-17.6	-4.6	-.7	1.0	8.6	9.7	5.8
7	-7.8	-11.2	-3.6	-9.9	-4.0	-14.7	-8.6	-1.5	.8	8.7	7.1	5.6
8	-8.7	-2.9	-3.9	-11.5	-6.6	-9.6	-11.3	-6.9	3.7	8.1	5.5	3.4
9	-1.8	-3.7	.2	-9.8	-4.6	-5.1	-5.4	-10.1	7.3	6.4	9.8	-2.7
10	-.2	-1.5	-1.4	-8.8	-5.8	-9.8	-14.7	-10.8	8.5	4.6	8.6	-2.9
11	-2.0	4.9	-4.9	-5.7	-3.4	-14.4	-15.5	-11.8	6.8	10.2	6.5	.7
12	-.2	3.4	-7.2	-4.1	-3.9	-14.5	-9.2	-5.3	6.4	14.0	6.3	-.9
13	2.1	6.9	-13.6	-5.0	-3.9	-10.3	-11.7	-4.9	3.3	14.7	6.9	.2
14	.8	.2	-19.5	-5.7	-3.1	-10.4	-5.8	-5.0	.3	10.8	10.5	2.1
15	4.5	-.9	-11.7	-10.5	-1.5	-12.2	-10.6	-5.8	2.0	9.4	7.1	1.0
16	-2.8	1.3	-15.0	-11.6	-6.1	-13.7	-12.5	-.6	3.8	11.8	5.7	3.0
17	-2.7	-2.4	-13.6	-5.5	-10.3	-7.3	-10.5	-9.2	2.7	10.1	8.2	4.0
18	-.8	-2.6	-9.4	-5.3	-10.9	-6.6	-10.0	-9.0	6.0	11.0	13.2	5.8
19	-9.3	-4.3	-20.5	-8.5	-5.7	-11.1	-2.2	-10.0	.1	5.8	12.6	6.4
20	-10.8	-14.1	-25.3	-12.2	-5.3	-10.6	-4.5	-3.4	-2.2	5.2	8.5	6.2
21	-5.6	-10.6	-27.7	-11.8	-4.0	-9.2	-6.2	-3.4	2.5	5.3	12.4	4.6
22	.5	-8.9	-28.2	-5.5	-3.4	-14.4	-6.8	-.3	.6	7.3	8.4	4.0
23	2.1	-2.1	-20.2	-8.6	-6.9	-6.1	-3.9	.3	1.8	11.2	9.8	4.1
24	1.7	-2.3	-17.4	-11.5	-8.1	-7.8	-5.0	2.1	-.7	8.2	10.5	3.7
25	6.3	-8.3	-12.2	-12.0	-6.7	-11.9	-9.2	.6	-1.3	7.4	9.4	7.8
26	3.4	-16.5	-12.7	-10.2	-4.8	-13.5	-10.2	-2.0	-2.2	8.8	11.0	5.9
27	5.0	-16.0	-10.5	-11.7	-5.4	-10.5	-11.8	-2.4	1.5	10.8	-.3	3.5
28	3.6	-10.8	-13.7	-14.9	-4.4	-11.9	-9.7	-3.5	.3	11.2	-1.7	1.3
29	4.8	-2.0	-21.7	-15.1	---	-8.5	-7.3	-2.4	-.9	12.2	9.3	2.5
30	3.9	-9.6	-13.7	-9.2	---	-7.0	-7.7	-5.8	.1	9.0	14.0	1.8
31	-2.9	---	-9.5	-3.9	---	-1.1	---	-5.4	---	7.9	12.6	---
MIN	-10.8	-16.5	-28.2	-15.1	-10.9	-17.6	-15.5	-11.8	-2.2	4.6	-1.7	-2.9
CAL YR 1990	MIN -28.2											
WTR YR 1991	MIN -28.2											

EAST STEWART BASIN

EAST STEWART CREEK NEAR IONE, NV

DAILY MEAN SOIL TEMPERATURE, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	e.7	.6	.1	.4	.5	12.4	15.6	19.2	15.6
2	---	---	---	e.7	.6	.1	.4	.5	11.8	16.2	19.5	15.7
3	---	---	---	e.8	.5	.1	.4	.5	11.5	16.2	19.6	15.8
4	---	---	---	e.8	.5	.1	.4	.5	11.6	16.1	19.7	16.3
5	---	---	---	e.8	.4	.1	.4	.5	11.8	15.9	19.2	16.4
6	---	---	---	e.8	.4	.1	.4	.5	12.2	16.0	19.0	16.5
7	---	---	---	e.8	.3	.1	.4	.5	12.2	15.9	19.4	16.6
8	---	---	---	e.8	.3	.2	.4	.5	11.8	15.5	19.7	16.2
9	---	---	---	e.7	.2	.2	.4	.6	11.8	e15.6	19.4	14.5
10	---	---	---	e.6	.1	.2	.4	.6	11.9	e15.6	18.5	13.4
11	---	---	---	e.6	.0	.2	.4	.6	12.5	e15.8	16.5	12.8
12	---	---	---	.5	-.1	.2	.4	.6	12.7	e16.3	17.1	13.6
13	---	---	---	.5	-.2	.2	.4	.6	11.5	e16.6	17.7	13.4
14	---	---	---	.5	-.2	.2	.4	.6	11.6	e16.7	17.9	12.2
15	---	---	---	.6	-.2	.2	.5	.6	12.2	e16.2	18.7	10.6
16	---	---	---	.6	-.2	.2	.5	.8	13.0	e13.2	19.4	9.9
17	---	---	---	.7	-.1	.3	.5	1.6	13.7	e13.1	19.5	9.6
18	---	---	---	.7	-.1	.3	.5	3.1	14.1	e13.5	19.1	8.9
19	---	---	---	.8	-.1	.3	.5	4.4	13.9	e13.9	17.9	9.2
20	---	---	---	.8	.0	.3	.5	5.4	13.7	e14.2	16.1	8.3
21	---	---	---	.9	.0	.3	.5	5.4	13.7	e13.6	15.1	7.9
22	---	---	---	.9	.0	.3	.4	4.9	14.2	e12.0	15.5	8.1
23	---	---	---	.8	.0	.3	.4	5.4	14.4	e11.0	16.9	7.9
24	---	---	---	.8	.0	.3	.4	6.2	14.8	e10.8	17.9	7.1
25	---	---	---	.7	.0	.3	.5	7.7	14.7	e10.9	17.7	6.6
26	---	---	---	.7	.0	.3	.5	9.1	15.1	e11.6	16.7	6.0
27	---	---	---	.7	.0	.3	.5	10.2	15.6	e12.1	16.4	5.5
28	---	---	---	.6	.0	.3	.5	10.8	15.8	e12.8	15.4	4.7
29	---	---	---	.6	---	.3	.5	10.4	15.2	e13.2	15.7	4.1
30	---	---	---	.6	---	.3	.5	11.4	15.3	e13.5	15.9	4.3
31	---	---	---	.6	---	.4	---	12.3	---	e14.0	15.7	---
MEAN	---	---	---	.7	.1	.2	.4	3.8	13.2	14.3	17.8	10.9
MAX	---	---	---	.9	.6	.4	.5	12.3	15.8	16.7	19.7	16.6
MIN	---	---	---	.5	-.2	.1	.4	.5	11.5	10.8	15.1	4.1
MED	---	---	---	.7	.0	.2	.4	.8	12.9	14.2	17.9	10.2

e Estimated

EAST STEWART BASIN

EAST STEWART CREEK NEAR IONE, NV

DAILY MEAN SOIL TEMPERATURE, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.9	e3.1	-1.0	-2.7	-1.1	e-.1	2.0	6.6	7.1	e16.2	20.5	16.5
2	e4.6	e2.7	-1.2	-2.2	-.9	e-.1	2.5	6.2	9.1	e16.6	20.4	16.1
3	e4.1	e2.6	-1.1	-1.9	-.6	e-.1	2.7	6.7	11.1	e17.0	20.4	15.6
4	e4.2	e2.6	-.8	-1.5	-.6	e-.1	2.8	7.9	12.6	17.3	20.2	15.3
5	e4.4	2.3	-.2	-1.6	-.8	e-.1	2.8	9.0	12.6	17.4	19.8	15.5
6	e4.6	2.0	-.1	-1.6	-.9	e-.1	2.8	9.9	12.3	17.4	20.3	14.8
7	e4.9	1.7	-.2	-1.6	-.7	e-.1	2.8	10.0	11.7	17.5	20.3	14.0
8	e4.9	1.7	-1.0	-1.7	-.5	e-.1	2.8	10.2	11.6	17.8	20.5	14.0
9	e4.9	1.2	-1.9	-2.2	-.4	e.0	2.8	9.3	11.2	17.9	19.9	14.7
10	e4.8	.9	-2.6	-2.5	-.2	e.1	2.8	8.4	12.5	18.0	18.9	14.8
11	e4.8	.8	-2.7	-2.5	-.1	e.3	2.8	8.7	13.7	18.4	19.3	14.6
12	e4.3	.7	-2.8	-2.4	.0	e.8	2.8	9.5	14.8	18.1	19.4	14.4
13	e4.0	.6	-2.9	-2.2	.2	e1.2	2.8	10.6	15.2	18.2	19.2	14.3
14	e4.0	.8	-2.7	-2.8	.4	e1.2	2.8	11.1	15.3	18.5	18.5	13.9
15	e4.0	.6	-2.9	-3.2	.4	e1.1	2.8	10.9	14.9	18.2	18.2	14.2
16	e4.1	.2	-3.1	-3.5	.4	e.8	2.8	10.4	14.0	17.2	18.1	14.0
17	e4.4	.4	-3.3	-3.9	.4	e.6	2.8	9.7	14.4	16.6	18.5	13.6
18	e3.9	1.0	-3.2	-3.8	.3	e.7	2.8	9.1	14.7	15.6	18.9	13.7
19	e3.0	1.9	-2.8	-3.6	.2	e.8	2.8	9.0	15.1	15.7	19.5	13.7
20	e2.5	1.5	-2.3	-3.5	e.1	e.7	2.8	8.4	15.6	16.1	18.9	13.8
21	e2.7	1.7	-2.3	-3.6	e.0	e.7	2.8	7.1	15.8	15.7	19.2	14.3
22	e2.8	-.1	-2.4	-3.4	e.0	e.5	2.8	6.8	15.5	14.9	19.7	14.7
23	e2.9	-.5	-2.0	-2.8	e.0	e.5	2.8	7.4	15.9	16.0	19.7	14.6
24	e3.0	-.5	-2.5	-2.5	e.0	e.5	2.8	7.9	16.6	17.1	18.8	14.2
25	e3.1	-.7	-2.7	-2.0	e.0	e.8	3.0	7.2	17.3	17.6	17.9	14.3
26	e3.3	-1.8	-2.7	-1.7	e.0	e1.1	3.4	5.8	16.7	18.7	17.7	14.0
27	e3.6	-1.3	-2.4	-1.4	e.0	e1.2	4.7	5.2	16.1	19.5	17.4	13.1
28	e3.8	-.5	-2.7	-1.0	e-.1	e1.2	5.8	4.8	15.9	19.7	16.9	12.4
29	e3.9	-.6	-3.0	-1.0	---	e1.2	6.9	4.4	15.8	20.0	16.9	12.4
30	e4.2	-.7	-3.5	-.9	---	e1.3	6.8	4.2	e15.9	20.3	16.6	12.5
31	e3.9	---	-3.7	-.9	---	e1.6	---	4.7	---	20.4	16.4	---
MEAN	4.0	.8	-2.2	-2.3	-.2	.6	3.2	8.0	14.0	17.6	18.9	14.3
MAX	4.9	3.1	-.1	-.9	.4	1.6	6.9	11.1	17.3	20.4	20.5	16.5
MIN	2.5	-1.8	-3.7	-3.9	-1.1	-.1	2.0	4.2	7.1	14.9	16.4	12.4
MED	4.0	.8	-2.6	-2.2	.0	.7	2.8	8.4	14.8	17.5	19.2	14.2
CAL YR 1986	MEAN 5.4	MAX 19.7	MIN -3.7	MED .9								
WTR YR 1987	MEAN 6.4	MAX 20.5	MIN -3.9	MED 3.1								

e Estimated

EAST STEWART BASIN

EAST STEWART CREEK NEAR IONE, NV

DAILY MEAN SOIL TEMPERATURE, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.5	5.7	3.9	3.0	3.0	2.6	3.0	3.1	5.2	16.4	15.2	12.1
2	12.4	5.6	3.9	2.9	3.0	2.7	3.0	3.1	5.6	17.0	15.5	12.6
3	12.4	5.2	3.9	2.9	3.0	2.7	3.0	3.1	7.7	17.3	14.7	13.2
4	12.1	5.0	3.9	3.0	2.9	2.7	3.0	3.1	9.1	17.4	14.5	13.9
5	12.1	5.0	3.8	3.0	2.8	2.7	3.0	3.1	8.7	17.3	13.9	14.1
6	12.3	4.9	3.8	3.0	2.8	2.7	3.0	3.1	7.4	17.1	12.2	13.8
7	12.4	4.9	3.8	3.1	2.7	2.8	3.0	3.1	6.9	17.0	10.9	13.6
8	12.1	4.8	3.8	3.1	2.7	2.8	3.0	3.1	6.8	17.4	11.0	13.5
9	11.9	4.7	3.8	3.1	2.7	2.8	3.0	3.1	7.5	17.5	11.6	13.5
10	11.9	4.7	3.7	3.1	2.7	2.8	3.0	3.1	8.5	17.5	11.9	12.8
11	12.2	4.6	3.7	3.1	2.7	2.8	3.0	3.1	9.2	17.7	12.6	11.9
12	11.8	4.5	3.7	3.1	2.7	2.8	3.0	3.1	9.4	17.7	13.0	10.5
13	10.2	4.5	3.6	3.1	2.7	2.7	3.0	3.1	9.5	17.8	13.2	9.4
14	8.5	4.5	3.5	3.1	2.6	2.7	3.0	3.1	10.5	17.9	13.4	9.4
15	7.7	4.4	3.4	3.1	2.6	2.7	3.0	3.1	11.2	17.5	13.6	9.8
16	7.3	4.3	3.4	3.1	2.6	2.7	3.0	3.4	11.9	16.6	13.5	10.4
17	7.2	4.3	3.3	3.1	2.6	2.7	3.0	4.0	12.4	16.2	14.2	10.0
18	6.8	4.3	3.3	3.1	2.5	2.7	3.0	4.2	12.8	16.8	14.7	9.0
19	6.5	4.3	3.2	3.1	2.5	2.7	3.0	4.8	13.5	17.1	14.8	8.6
20	6.7	4.2	3.2	3.1	2.4	2.8	3.1	5.8	13.4	17.6	15.1	8.3
21	7.4	4.2	3.1	3.1	2.4	2.9	3.1	7.1	13.5	18.1	14.9	6.4
22	7.9	4.2	3.1	3.1	2.4	2.9	3.1	8.6	13.3	18.3	13.9	5.4
23	7.6	4.2	3.2	3.0	2.4	2.9	3.1	9.4	13.5	17.9	13.7	5.4
24	6.9	4.1	3.2	3.0	2.4	2.9	3.1	9.9	14.0	17.3	14.1	5.9
25	6.2	4.1	3.2	3.0	2.4	2.9	3.1	10.3	14.0	16.2	14.0	6.6
26	6.0	4.0	3.1	3.0	2.4	3.0	3.1	10.4	13.7	15.8	14.1	6.7
27	6.9	4.0	3.1	3.0	2.5	3.0	3.1	10.0	13.8	15.7	13.6	6.4
28	8.1	4.0	3.1	3.0	2.5	3.0	3.1	9.9	14.8	14.9	13.4	6.9
29	7.3	3.9	3.0	3.0	2.6	3.0	3.1	8.7	15.6	15.1	13.4	7.1
30	6.2	3.9	3.0	3.0	---	3.0	3.1	6.9	15.9	15.4	12.9	7.2
31	5.7	---	3.0	3.0	---	3.0	---	5.8	---	15.3	12.2	---
MEAN	9.1	4.5	3.4	3.0	2.6	2.8	3.0	5.3	11.0	16.9	13.5	9.8
MAX	12.5	5.7	3.9	3.1	3.0	3.0	3.1	10.4	15.9	18.3	15.5	14.1
MIN	5.7	3.9	3.0	2.9	2.4	2.6	3.0	3.1	5.2	14.9	10.9	5.4
MED	7.9	4.3	3.4	3.1	2.6	2.8	3.0	3.4	11.5	17.3	13.6	9.6
CAL YR 1987	MEAN 7.6	MAX 20.5	MIN -3.9	MED 5.7								
WTR YR 1988	MEAN 7.1	MAX 18.3	MIN 2.4	MED 4.3								

EAST STEWART BASIN

EAST STEWART CREEK NEAR IONE, NV

DAILY MEAN SOIL TEMPERATURE, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.5	2.9	.3	-.7	-.8	-.5	-.2	4.2	6.7	15.8	19.9	e15.4
2	7.7	2.4	.2	-.7	-.8	-.6	-.2	5.8	8.9	16.5	19.1	e15.2
3	8.5	3.5	.0	-.7	-.8	-.6	-.2	6.8	9.6	17.3	19.0	e15.7
4	8.2	2.2	-.1	-.7	-.9	-.6	-.2	8.2	7.7	17.7	19.3	e16.1
5	8.1	1.7	-.4	-.7	-.9	-.6	-.2	9.8	7.4	17.4	19.0	e16.2
6	7.6	2.3	-.6	-.7	-.9	-.4	-.2	9.8	8.4	17.6	19.1	e15.3
7	7.2	1.4	-.8	-.7	-1.0	-.2	-.2	9.8	10.0	18.1	18.5	e13.8
8	6.6	.9	-.9	-.6	-1.1	-.2	-.2	9.3	10.0	18.0	16.5	e13.3
9	6.0	.6	-.9	-.6	-1.2	-.2	-.2	8.5	8.4	17.4	14.9	e13.9
10	5.6	.6	-.9	-.6	-1.2	-.2	-.2	5.7	7.7	16.6	15.2	e13.3
11	4.6	.4	-1.1	-.6	-1.2	-.2	-.2	3.9	8.6	16.9	16.2	e12.7
12	3.2	.3	-1.2	-.6	-1.3	-.2	-.1	2.7	9.4	16.4	18.3	e11.8
13	2.9	.4	-1.2	-.6	-1.3	-.2	-.1	2.5	11.9	15.4	17.9	e11.2
14	3.3	.5	-1.4	-.6	-1.3	-.2	-.1	3.0	13.4	16.2	17.8	e12.9
15	3.0	.4	-1.7	-.6	-1.2	-.2	-.1	3.1	14.5	17.5	17.9	13.1
16	3.7	.4	-1.6	-.6	-1.2	-.2	-.1	4.5	14.6	17.3	17.8	13.4
17	3.8	.3	-1.3	-.6	-1.1	-.2	-.1	6.8	14.6	17.8	17.8	10.3
18	3.6	.3	-1.1	-.7	-1.1	-.2	1.9	8.5	15.6	18.2	17.0	5.4
19	3.6	.3	-1.0	-.7	-1.0	-.2	4.4	8.4	16.1	18.7	15.9	5.8
20	3.1	.3	-.9	-.7	-1.0	-.2	6.1	9.6	15.5	19.5	14.1	7.6
21	2.9	.3	-.9	-.7	-.9	-.2	6.8	9.9	14.7	18.6	12.8	8.3
22	2.8	.3	-.8	-.7	-.9	-.2	5.6	10.2	14.8	17.5	14.0	8.6
23	2.5	.3	-.8	-.7	-.8	-.2	5.0	10.0	15.1	16.0	13.6	9.2
24	2.2	.3	-.8	-.7	-.8	-.2	3.0	8.6	14.1	15.8	12.2	10.2
25	2.0	.3	-.8	-.7	-.7	-.2	1.7	8.4	14.0	16.4	12.5	10.5
26	2.1	.3	-.7	-.8	-.6	-.2	1.0	9.3	14.5	18.7	11.2	10.5
27	2.1	.4	-.7	-.8	-.5	-.2	.6	10.9	13.8	19.4	e15.1	10.8
28	2.2	.4	-.7	-.8	-.5	-.2	.4	10.8	13.9	19.5	e15.7	10.5
29	2.3	.4	-.7	-.9	---	-.2	.3	7.6	15.2	19.4	e16.3	9.8
30	1.6	.4	-.7	-.9	---	-.2	1.3	5.8	15.7	20.0	e16.0	8.9
31	1.8	---	-.7	-.9	---	-.2	---	5.8	---	20.4	e15.5	---
MEAN	4.3	.8	-.8	-.7	-1.0	-.3	1.2	7.4	12.2	17.7	16.3	11.7
MAX	8.5	3.5	.3	-.6	-.5	-.2	6.8	10.9	16.1	20.4	19.9	16.2
MIN	1.6	.3	-1.7	-.9	-1.3	-.6	-.2	2.5	6.7	15.4	11.2	5.4
MED	3.3	.4	-.8	-.7	-1.0	-.2	-.1	8.4	13.8	17.5	16.3	11.5
CAL YR 1988	MEAN 6.1	MAX 18.3	MIN -1.7	MED 3.1								
WTR YR 1989	MEAN 5.8	MAX 20.4	MIN -1.7	MED 2.5								

e Estimated

EAST STEWART BASIN

EAST STEWART CREEK NEAR IONE, NV

DAILY MEAN SOIL TEMPERATURE, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.0	.4	-3.0	-4.2	-3.3	-2.3	.0	3.1	4.7	19.3	17.8	16.2
2	6.3	.2	-3.2	-3.9	-3.2	-2.2	.0	3.6	8.4	18.9	17.2	16.9
3	5.0	.1	-3.4	-3.7	-3.1	-2.1	.0	4.9	10.9	18.3	17.7	17.3
4	3.8	.1	-3.4	-3.6	-3.1	-1.9	.0	7.0	12.5	19.2	17.9	17.5
5	3.2	.1	-3.3	-3.6	-3.1	-1.9	.0	9.0	13.0	19.9	18.6	17.2
6	3.1	.0	-2.7	-3.6	-3.2	-1.8	.0	9.8	13.0	20.2	20.1	16.9
7	3.2	-.2	-3.0	-3.6	-3.0	-1.8	.0	9.1	13.3	20.5	19.6	16.7
8	3.3	-.6	-3.0	-3.3	-3.0	-1.8	.0	8.9	14.5	20.9	17.1	16.7
9	3.8	-.8	-2.7	-3.0	-3.0	-1.7	.0	8.7	14.7	21.0	16.7	16.9
10	4.6	-.8	-2.9	-2.9	-2.9	-1.7	.0	7.5	13.1	20.2	17.8	17.1
11	4.7	-.8	-3.8	-2.8	-2.7	-1.6	.0	6.1	12.1	18.6	17.6	17.6
12	4.9	-.6	-4.3	-2.7	-2.6	-1.5	.0	7.0	12.7	18.4	16.6	17.3
13	5.1	-.8	-4.3	-2.5	-2.5	-1.5	.0	8.6	12.3	17.9	18.0	17.1
14	5.4	-1.4	-4.5	-2.4	-2.7	-1.5	.0	9.0	11.1	17.3	18.4	17.4
15	4.3	-2.0	-4.5	-2.5	-3.1	-1.5	.0	7.8	10.0	16.9	15.0	16.8
16	3.4	-2.2	-4.5	-2.6	-3.4	-1.5	.0	8.2	9.9	16.7	13.4	15.3
17	3.0	-2.2	-4.8	-2.6	-3.5	-1.5	.0	9.4	12.1	16.8	15.4	14.3
18	3.1	-2.7	-4.9	-2.6	-3.4	-1.3	.0	9.5	12.7	17.0	14.2	13.6
19	3.7	-3.0	-5.3	-2.6	-3.3	.0	.1	8.5	13.2	16.7	10.7	11.5
20	4.1	-2.9	-5.6	-2.8	-3.1	.0	.1	8.6	14.8	17.3	10.4	11.5
21	4.8	-3.1	-5.6	-2.9	-3.0	.0	.1	10.1	16.2	18.7	11.6	12.0
22	4.2	-3.4	-5.5	-3.0	-2.9	.0	.1	11.3	17.2	19.2	12.4	12.1
23	4.3	-3.3	-5.3	-3.1	-2.8	.0	.1	10.3	17.5	19.7	12.9	11.1
24	4.1	-2.3	-5.2	-3.2	-2.7	.0	.1	6.9	18.0	19.4	12.9	11.0
25	3.5	-2.0	-5.2	-3.3	-2.6	.0	.1	6.1	18.2	18.9	13.2	9.8
26	2.6	-1.8	-5.3	-3.2	-2.5	.0	.1	7.7	18.1	18.6	14.0	9.7
27	2.1	-1.9	-5.2	-3.3	-2.4	.0	.1	7.7	17.8	18.9	15.0	9.3
28	1.8	-2.2	-4.8	-3.6	-2.3	.0	.7	5.4	18.0	18.7	15.2	8.0
29	1.3	-2.5	-4.4	-3.6	---	.0	1.6	3.4	18.8	19.0	16.2	8.3
30	.9	-2.7	-4.3	-3.5	---	.0	2.8	2.5	19.1	20.0	16.3	8.2
31	.6	---	-4.3	-3.4	---	.0	---	2.3	---	19.6	16.4	---
MEAN	3.7	-1.5	-4.3	-3.1	-2.9	-1.0	.2	7.4	13.9	18.8	15.7	14.0
MAX	7.0	.4	-2.7	-2.4	-2.3	.0	2.8	11.3	19.1	21.0	20.1	17.6
MIN	.6	-3.4	-5.6	-4.2	-3.5	-2.3	.0	2.3	4.7	16.7	10.4	8.0
MED	3.8	-1.9	-4.4	-3.2	-3.0	-1.5	.0	7.8	13.1	18.9	16.3	15.7
CAL YR 1989	MEAN 5.2	MAX 20.4	MIN -5.6	MED 2.7								
WTR YR 1990	MEAN 5.1	MAX 21.0	MIN -5.6	MED 1.6								

EAST STEWART BASIN

EAST STEWART CREEK NEAR IONE, NV

DAILY MEAN SOIL TEMPERATURE, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DEGREES CELSIUS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.3	1.3	- .8	-2.8	-3.5	-1.2	.8	.9	.9	14.6	17.9	14.6
2	8.1	1.3	-1.2	-2.9	-3.3	-1.1	.9	.9	.9	16.4	17.7	13.9
3	7.3	1.1	-1.4	-2.9	-3.0	-1.1	.9	.9	.9	17.7	18.2	13.2
4	7.6	.9	-1.4	-2.5	-2.9	-1.0	.9	.9	.9	18.4	19.1	12.8
5	8.0	.9	-1.1	-2.2	-2.4	-.9	.9	.9	.9	18.7	18.9	12.4
6	7.3	.7	-1.6	-2.4	-2.0	-.9	.9	.9	.9	18.8	19.6	12.2
7	6.6	.3	-1.8	-2.4	-2.0	-1.0	.9	.9	2.2	18.5	20.2	12.1
8	3.7	.6	-2.0	-2.2	-2.1	-1.2	.9	.9	4.3	17.3	20.1	11.7
9	3.1	.1	-2.0	-2.4	-2.2	-1.4	.9	.9	8.1	16.5	20.7	9.1
10	3.1	-1.3	-1.8	-2.5	-2.3	-1.4	.9	.9	10.9	17.1	20.7	6.9
11	3.0	-1.4	-1.3	-2.4	-2.3	-1.4	.9	.9	12.5	17.8	19.8	7.2
12	2.6	-1.1	-.9	-2.1	-2.2	-1.4	.9	.9	13.6	19.1	18.8	8.4
13	2.9	-.8	-.9	-1.8	-2.0	-1.3	.9	.9	14.2	20.2	18.2	9.3
14	3.1	.3	-.9	-1.6	-1.8	-1.2	.9	.9	13.8	20.6	18.5	10.3
15	3.7	.5	-1.1	-1.5	-1.5	-1.1	.9	.9	13.8	20.4	16.8	10.0
16	4.1	.2	-1.1	-1.4	-1.1	-1.0	.9	.9	14.3	20.9	15.2	10.1
17	3.0	.6	-1.0	-1.4	-.9	-.9	.9	.9	14.2	21.1	15.8	10.5
18	4.5	.4	-.9	-1.4	-.9	-.9	.9	.9	14.2	21.2	17.2	11.5
19	3.9	.4	-1.0	-1.5	-1.0	-.8	.9	.9	13.8	20.9	17.6	11.8
20	3.0	.4	-1.1	-1.6	-1.0	-.7	.9	.9	13.0	19.7	18.2	11.8
21	2.4	.1	-1.2	-1.8	-1.0	-.7	.9	.9	13.1	18.0	18.7	11.5
22	2.1	-.3	-1.6	-2.0	-1.0	-.6	.9	.9	13.8	18.2	18.7	11.0
23	1.9	-.6	-2.0	-2.2	-1.0	-.6	.9	.9	14.3	20.0	18.3	10.5
24	1.7	-1.0	-2.2	-2.3	-1.1	-.5	.9	.9	14.2	19.6	18.1	9.9
25	1.7	-1.0	-2.4	-2.5	-1.3	-.5	.9	.9	12.6	19.6	18.7	9.6
26	2.1	-.6	-2.3	-2.7	-1.5	-.4	.9	.9	12.2	19.1	17.8	9.3
27	2.1	-.5	-2.2	-2.9	-1.5	-.4	.9	.9	11.3	18.2	15.3	7.7
28	1.9	-.6	-2.3	-3.1	-1.4	-.4	.9	.9	11.3	18.2	13.5	6.2
29	1.7	-.6	-2.4	-3.2	---	-.4	.9	.9	10.3	19.6	14.9	6.4
30	1.4	-.4	-2.6	-3.7	---	-.4	.9	.9	11.9	19.2	16.2	6.6
31	1.3	---	-2.8	-3.8	---	-.2	---	.9	---	17.9	16.7	---
MEAN	3.8	.0	-1.6	-2.3	-1.8	-.9	.9	.9	9.8	18.8	17.9	10.3
MAX	8.3	1.3	-.8	-1.4	-.9	-.2	.9	.9	14.3	21.2	20.7	14.6
MIN	1.3	-1.4	-2.8	-3.8	-3.5	-1.4	.8	.9	.9	14.6	13.5	6.2
MED	3.0	.1	-1.4	-2.4	-1.7	-.9	.9	.9	12.4	18.8	18.2	10.4
CAL YR 1990	MEAN 5.5	MAX 21.0	MIN -4.2	MED 1.7								
WTR YR 1991	MEAN 4.7	MAX 21.2	MIN -3.8	MED .9								

EAST STEWART BASIN

EAST STEWART CREEK NEAR IONE, NV

DAILY TOTAL SOLAR RADIATION, INCIDENTAL, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
CALORIES PER SQUARE CENTIMETER

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	e173	294	303	395	382	396	769	724	574
2	---	---	---	e175	161	111	246	587	450	643	701	575
3	---	---	---	e178	196	379	615	513	531	597	719	574
4	---	---	---	e180	190	212	497	245	601	757	695	578
5	---	---	---	e183	108	444	390	416	741	766	471	418
6	---	---	---	e186	196	368	440	445	687	712	626	495
7	---	---	---	e188	298	265	292	368	505	495	691	469
8	---	---	---	e191	280	89	111	414	765	732	649	393
9	---	---	---	e193	325	413	456	696	777	e781	422	486
10	---	---	---	e196	321	345	384	498	776	e779	285	537
11	---	---	---	e198	245	278	631	708	738	e778	597	515
12	---	---	---	189	151	270	288	713	301	e777	663	468
13	---	---	---	171	264	228	575	572	445	e775	605	401
14	---	---	---	159	221	404	498	519	668	e774	621	383
15	---	---	---	174	153	292	427	674	770	e773	648	509
16	---	---	---	139	214	347	297	717	773	e772	636	469
17	---	---	---	104	165	272	324	710	780	e770	667	231
18	---	---	---	217	250	510	644	719	753	e768	376	405
19	---	---	---	171	229	520	648	634	777	e766	211	454
20	---	---	---	123	211	527	656	519	779	e764	210	474
21	---	---	---	158	370	493	472	587	792	e761	451	474
22	---	---	---	166	158	499	440	715	717	e759	531	358
23	---	---	---	175	334	384	295	541	683	e757	628	203
24	---	---	---	228	399	437	523	717	561	e754	612	273
25	---	---	---	236	410	538	311	722	774	e752	301	233
26	---	---	---	250	403	547	614	706	728	e749	456	391
27	---	---	---	243	401	556	612	688	697	e746	234	275
28	---	---	---	239	415	441	520	372	590	e743	491	460
29	---	---	---	223	---	462	687	647	779	e740	562	404
30	---	---	---	163	---	340	637	728	773	e737	594	348
31	---	---	---	129	---	352	---	636	---	e734	559	---
TOTAL	---	---	---	5698	7362	11626	13925	18108	20107	22980	16636	12827

e Estimated

EAST STEWART BASIN

EAST STEWART CREEK NEAR IONE, NV

DAILY TOTAL SOLAR RADIATION, INCIDENTAL, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
CALORIES PER SQUARE CENTIMETER

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	151	e291	193	95	243	e417	585	600	781	e790	743	309
2	e438	e287	193	171	161	e423	586	612	772	e789	731	335
3	e434	e282	167	137	224	e428	167	703	759	e788	667	282
4	e429	e278	103	62	291	e433	44	657	679	e787	341	527
5	e425	284	114	16	295	e438	265	711	498	770	673	257
6	e420	92	105	38	298	e443	606	490	251	773	648	250
7	e416	128	137	38	208	e448	559	451	512	743	700	265
8	e411	249	173	46	184	e453	525	452	346	730	557	326
9	e406	255	174	193	250	e459	606	216	505	553	287	505
10	e401	255	171	198	227	e464	458	393	671	700	570	329
11	e395	249	177	201	80	e469	510	238	781	606	678	274
12	e390	250	169	205	155	e475	625	550	781	649	637	426
13	e385	249	175	93	156	e480	628	666	534	605	553	317
14	e380	128	170	205	321	e485	579	379	668	631	682	482
15	e374	221	166	112	169	e491	608	224	632	283	687	501
16	e369	232	108	155	351	e497	666	183	745	439	689	494
17	e364	227	140	209	319	e503	611	315	762	757	680	495
18	e359	99	141	222	202	e508	503	484	790	665	682	492
19	e354	212	170	112	191	e514	665	498	753	691	461	488
20	e349	217	113	220	e367	e519	679	147	685	505	470	488
21	e344	110	168	228	e373	e524	682	280	697	482	667	478
22	e339	30	168	153	e379	e530	691	405	784	750	660	475
23	e333	185	152	120	e386	e535	569	486	787	762	576	371
24	e328	209	157	109	e391	e540	695	508	793	596	412	381
25	e323	204	161	223	e397	e545	647	20	598	763	621	469
26	e318	183	113	242	e402	e550	388	26	471	756	612	457
27	e314	209	129	236	e407	e555	514	340	386	660	384	467
28	e309	116	169	220	e412	e561	442	668	532	597	381	458
29	e304	56	131	214	---	e566	401	550	459	734	397	456
30	e300	198	144	175	---	e571	558	592	e791	744	327	452
31	e295	---	74	258	---	e576	---	775	---	747	471	---
TOTAL	11157	5985	4625	4906	7839	15400	16062	13619	19203	20845	17644	12306
CAL YR 1986	TOTAL 151036											
WTR YR 1987	TOTAL 149591											

e Estimated

EAST STEWART BASIN

EAST STEWART CREEK NEAR IONE, NV

DAILY TOTAL SOLAR RADIATION, INCIDENTAL, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
CALORIES PER SQUARE CENTIMETER

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	441	142	143	174	246	233	574	549	494	780	578	437
2	457	7	133	156	213	225	550	562	744	775	480	504
3	320	34	167	69	273	427	283	687	758	725	515	565
4	402	245	141	137	283	297	588	449	685	713	574	538
5	416	108	144	71	289	434	542	400	445	740	303	495
6	415	20	173	123	290	319	397	327	711	765	248	446
7	407	278	114	185	288	443	504	571	678	766	348	521
8	402	257	90	129	305	434	587	684	769	710	494	484
9	397	257	124	40	283	249	611	519	781	646	476	266
10	374	244	124	178	196	380	595	724	603	741	591	516
11	403	233	137	129	316	304	556	750	562	734	700	520
12	196	213	115	195	324	486	561	741	468	731	678	399
13	188	81	129	214	321	490	387	743	694	733	594	484
14	391	96	139	199	330	491	377	752	565	759	694	502
15	382	237	105	151	295	288	267	751	730	590	685	501
16	362	191	165	118	331	422	118	471	766	470	684	491
17	371	170	110	131	341	507	27	203	661	757	690	430
18	370	225	162	223	173	508	325	565	758	774	682	501
19	361	208	47	222	362	515	551	764	319	768	468	273
20	354	178	159	210	371	509	151	767	694	762	484	110
21	301	201	45	216	369	324	359	753	608	766	317	77
22	156	211	54	234	383	459	471	710	426	532	342	467
23	162	197	96	219	368	502	77	706	704	513	420	469
24	203	194	53	230	377	526	561	694	378	340	322	469
25	230	81	160	233	389	536	683	745	394	497	285	467
26	318	208	162	204	372	544	674	588	557	554	246	455
27	236	214	166	223	181	440	520	757	686	438	502	392
28	201	174	139	133	219	556	566	361	771	448	549	391
29	47	190	169	140	344	335	715	162	780	555	437	454
30	220	130	37	245	---	438	353	283	764	379	272	447
31	130	---	88	263	---	573	---	675	---	405	285	---
TOTAL	9613	5224	3790	5394	8832	13194	13530	18413	18953	19866	14943	13071
CAL YR 1987	TOTAL 146451											
WTR YR 1988	TOTAL 144823											

EAST STEWART BASIN

EAST STEWART CREEK NEAR IONE, NV

DAILY TOTAL SOLAR RADIATION, INCIDENTAL, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
CALORIES PER SQUARE CENTIMETER

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	435	261	180	162	115	395	244	682	526	798	737	540
2	422	127	183	143	257	150	176	590	628	798	729	579
3	421	202	175	170	105	375	535	629	352	804	715	573
4	330	263	172	138	176	292	582	673	251	800	713	566
5	313	255	172	156	268	244	597	591	450	803	620	565
6	306	189	107	82	280	256	600	420	565	802	571	498
7	409	180	80	65	287	358	586	442	432	802	571	494
8	409	139	163	86	212	223	609	378	502	547	245	531
9	274	197	148	45	274	365	608	386	170	580	378	499
10	180	198	166	78	280	318	587	272	501	793	401	372
11	135	209	160	133	141	372	581	84	272	554	635	278
12	358	212	156	189	32	427	619	433	684	434	636	510
13	303	235	157	172	35	358	601	399	688	580	526	503
14	225	107	169	137	121	468	601	190	781	628	628	499
15	366	83	99	192	322	473	587	281	737	774	680	491
16	363	110	91	198	306	251	584	595	747	776	682	442
17	357	93	85	200	270	349	651	740	790	763	618	128
18	353	196	115	205	229	152	588	744	802	590	619	276
19	352	181	40	208	166	113	464	756	704	709	339	431
20	349	157	119	216	360	513	568	725	721	580	297	472
21	342	199	71	217	205	393	630	761	794	434	430	476
22	331	120	88	191	335	514	555	664	792	519	604	479
23	326	70	116	141	352	310	584	721	652	357	343	473
24	323	148	106	222	333	373	181	619	483	381	623	446
25	310	42	71	221	259	218	510	764	776	661	557	315
26	308	137	56	223	367	256	408	764	645	722	599	403
27	258	197	175	225	396	465	152	718	437	747	598	415
28	267	164	21	239	403	383	435	739	788	736	594	356
29	279	191	61	226	---	558	669	282	804	742	597	303
30	286	183	136	245	---	536	380	480	798	727	595	312
31	282	---	128	241	---	224	---	522	---	702	585	---
TOTAL	9972	5045	3766	5366	6886	10682	15472	17044	18272	20643	17465	13225
CAL YR 1988	TOTAL 144979											
WTR YR 1989	TOTAL 143838											

EAST STEWART BASIN

EAST STEWART CREEK NEAR IONE, NV

DAILY TOTAL SOLAR RADIATION, INCIDENTAL, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
CALORIES PER SQUARE CENTIMETER

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	433	279	178	93	151	234	502	705	769	612	376	587
2	211	275	173	13	247	234	470	413	752	602	574	563
3	116	270	170	44	211	373	399	693	775	774	487	554
4	415	263	160	161	128	306	367	723	783	790	484	570
5	407	236	185	165	263	152	353	740	784	796	612	518
6	402	246	164	137	179	432	262	622	637	792	709	368
7	408	190	163	77	76	357	447	731	780	787	272	479
8	402	240	151	182	278	384	83	735	774	744	305	548
9	396	233	153	180	284	447	605	705	497	743	399	543
10	346	229	160	161	291	359	598	199	399	424	551	527
11	385	226	157	157	258	259	547	361	788	408	385	527
12	369	228	152	144	269	318	603	694	788	304	558	525
13	370	222	155	109	143	369	608	668	609	344	686	519
14	247	218	153	176	244	341	517	489	323	517	525	515
15	306	153	157	128	317	481	586	584	389	404	150	512
16	355	216	152	195	154	357	451	721	597	340	666	505
17	352	194	162	57	285	356	59	500	725	397	575	266
18	350	204	152	207	43	456	397	697	548	509	275	304
19	343	205	152	201	117	490	484	520	789	377	189	334
20	263	202	150	204	293	477	337	602	719	734	525	455
21	228	192	151	211	370	479	485	642	788	712	560	365
22	334	191	151	166	371	393	341	674	788	661	566	267
23	324	152	150	227	378	514	175	430	802	746	395	288
24	311	39	146	215	301	501	321	554	800	756	402	254
25	10	126	155	208	322	483	661	666	793	762	597	426
26	136	60	152	79	286	521	669	363	802	759	610	388
27	307	181	163	214	228	414	645	325	806	753	597	320
28	279	186	35	197	324	354	545	26	806	454	602	120
29	295	182	158	171	---	300	507	439	809	747	604	442
30	289	187	154	129	---	503	468	556	609	694	595	449
31	284	---	157	200	---	556	---	544	---	551	595	---
TOTAL	9673	6025	4771	4808	6811	12200	13492	17321	21028	18993	15426	13038
CAL YR 1989	TOTAL 145524											
WTR YR 1990	TOTAL 143586											

EAST STEWART BASIN

EAST STEWART CREEK NEAR IONE, NV

DAILY TOTAL SOLAR RADIATION, INCIDENTAL, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
CALORIES PER SQUARE CENTIMETER

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	442	119	199	177	270	204	234	124	535	717	616	299
2	424	292	194	202	95	356	535	142	734	766	331	352
3	414	287	188	86	228	126	571	456	556	770	625	198
4	427	274	203	48	248	98	494	739	605	770	679	320
5	324	109	188	185	211	239	525	660	771	724	644	218
6	317	125	184	148	295	359	426	437	780	769	695	141
7	403	262	184	154	300	473	623	604	773	642	630	266
8	422	131	181	188	305	474	631	555	495	360	685	332
9	411	257	179	200	308	332	537	228	580	478	686	167
10	403	257	175	109	314	417	443	442	678	719	594	266
11	402	225	94	155	290	364	423	528	685	655	481	333
12	393	224	66	152	284	404	321	665	767	740	363	488
13	377	188	28	86	214	294	518	363	747	727	368	486
14	373	184	120	223	323	104	509	291	796	778	492	496
15	368	219	175	67	236	45	518	753	762	769	343	500
16	343	201	75	214	102	76	676	611	734	785	303	500
17	370	155	93	204	190	483	372	362	656	755	527	496
18	166	170	178	212	335	308	572	339	514	688	566	468
19	62	94	59	221	356	273	557	244	753	653	572	478
20	339	184	75	201	380	403	475	368	685	565	640	440
21	349	182	69	230	307	42	363	301	677	431	639	479
22	331	216	168	231	389	429	322	662	795	634	632	466
23	332	204	177	189	390	557	564	637	748	733	528	473
24	325	214	176	236	405	542	455	472	660	476	528	395
25	319	216	190	243	410	207	214	685	391	628	517	437
26	325	158	176	248	413	515	330	750	624	396	548	299
27	315	212	179	247	286	215	701	738	339	375	370	213
28	311	208	179	253	390	561	719	694	486	372	592	211
29	288	193	180	263	---	568	729	542	319	611	580	304
30	292	205	179	262	---	570	623	265	773	357	583	432
31	179	---	178	225	---	511	---	248	---	205	494	---
TOTAL	10546	5965	4689	5859	8274	10549	14980	14905	19418	19048	16851	10953
CAL YR 1990	TOTAL 144317											
WTR YR 1991	TOTAL 142037											

EAST STEWART BASIN

EAST STEWART CREEK NEAR IONE, NV

DAILY MEAN RELATIVE HUMIDITY, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
PERCENT

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	46	98	33	29	21	84	79	78	66	39	49	33
2	55	71	33	26	37	65	60	99	46	26	54	28
3	47	32	39	54	59	69	33	91	47	20	45	36
4	28	47	21	79	45	93	32	50	41	17	23	36
5	32	82	32	26	77	80	21	32	41	23	19	47
6	66	78	26	32	74	78	29	68	22	19	17	85
7	59	38	22	66	36	49	37	52	28	20	18	81
8	24	84	22	53	32	29	38	41	24	31	17	66
9	21	30	19	52	25	25	32	92	22	43	15	83
10	24	20	23	87	28	35	77	86	22	37	16	88
11	29	19	71	70	29	92	90	67	23	23	24	67
12	20	19	93	73	38	61	97	58	21	19	34	65
13	25	18	95	97	78	65	68	70	22	17	56	49
14	30	22	69	74	56	95	49	97	23	17	45	42
15	33	46	47	92	46	95	39	47	22	17	60	19
16	33	26	89	67	97	54	44	38	21	16	71	19
17	24	53	85	68	97	40	70	86	21	19	33	19
18	61	48	67	50	77	70	48	96	18	20	20	22
19	98	82	82	47	53	76	28	80	22	32	19	24
20	41	89	82	44	29	78	45	77	20	29	18	22
21	38	71	78	33	22	96	77	82	19	30	16	23
22	57	39	70	33	23	66	90	63	20	21	17	22
23	42	21	64	33	36	50	62	49	20	18	18	19
24	33	20	43	36	27	49	58	59	30	25	18	19
25	20	28	42	26	24	87	98	38	63	25	40	19
26	22	89	71	32	25	59	98	33	56	25	40	49
27	17	49	26	34	40	81	60	34	62	22	27	72
28	19	40	31	34	71	52	39	29	64	21	22	80
29	19	21	55	28	---	57	38	39	85	17	16	68
30	20	36	26	23	---	45	24	99	55	30	15	59
31	47	---	31	21	---	31	---	96	---	54	19	---
MEAN	36	47	51	49	46	65	55	65	35	25	29	45
MAX	98	98	95	97	97	96	98	99	85	54	71	88
MIN	17	18	19	21	21	25	21	29	18	16	15	19
MED	32	39	43	44	38	65	49	67	23	22	20	39
WTR YR 1991	MEAN 46	MAX 99	MIN 15	MED 38								

EAST STEWART BASIN

EAST STEWART CREEK NEAR IONE, NV

DAILY TOTAL PRECIPITATION, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
INCHES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.00	.00	.30	.00	.00	.00	.00	.00
2	.00	.00	.30	.00	e.05	.35	.00	.20	.00	.00	.00	.00
3	.00	.00	.00	.00	.00	.00	.00	.00	.30	.00	.00	.00
4	.00	.00	.00	.00	e.31	.00	.00	.00	.00	.00	.00	.00
5	.00	.00	.00	.00	e.11	.00	.12	.00	.00	.00	.00	.00
6	.55	.00	.00	.00	e.33	.00	.10	.00	.00	.00	.00	.00
7	.15	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
8	.65	.00	.15	.00	.00	.15	.00	.00	.00	.00	.00	.00
9	.00	.10	.05	.00	.00	.25	.00	.00	.00	.00	.00	.00
10	.00	.75	.20	.00	.00	.10	.00	.00	.00	.00	.20	.00
11	.00	.45	.00	.00	.00	.15	.00	.00	.00	.00	.20	.00
12	.00	.00	.00	.00	e.28	.20	.18	.00	.00	.00	.00	.00
13	.00	.00	.00	.00	e.07	.20	.00	.00	.00	.00	.00	.00
14	.00	.00	.00	.00	.00	.10	.00	.00	.00	.00	.00	.35
15	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
16	.00	.20	.00	.00	e.02	.10	.00	.00	.00	.00	.00	.00
17	.00	.40	.00	.00	e.02	.05	.00	.00	.00	.00	.00	.05
18	.00	.20	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19	.00	.00	.00	.00	e.91	.00	.00	.00	.00	.00	.00	.05
20	.00	.15	.00	.00	.00	.00	.00	.10	.00	.00	.20	.05
21	.40	.10	.00	.00	e.06	.00	.00	.00	.00	.00	.00	.00
22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.16	.00	.00
23	.00	.00	.00	.00	.00	.00	.00	.00	.00	.84	.00	.00
24	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.15
25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.15
26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.20
27	.00	.30	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
28	.00	.45	.00	.00	.00	.00	.00	.00	.00	.00	.20	.00
29	.00	.45	.00	.00	---	.00	.00	.00	.00	.00	.00	.00
30	.00	.15	.10	e.04	---	.00	.00	.00	.00	.00	.00	.00
31	.00	---	.00	.00	---	.10	---	.00	---	.00	.00	---
TOTAL	1.75	3.70	0.80	0.04	2.16	1.75	0.70	0.30	0.30	1.00	0.80	1.00

WTR YR 1986 TOTAL 14.30

e Estimated

EAST STEWART BASIN

EAST STEWART CREEK NEAR IONE, NV

DAILY TOTAL PRECIPITATION, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
INCHES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00
2	.00	.00	.00	.00	.20	.00	.00	.00	.00	.00	.00	.00
3	.00	.00	.00	.10	.20	.00	.35	.00	.00	.00	.00	.00
4	.00	.00	.00	.20	.00	.10	.00	.00	.00	.00	.00	.00
5	.00	.00	.00	.10	.00	.20	.00	.00	.00	.00	.00	.00
6	.00	.00	.00	.10	.00	.05	.00	.00	.20	.00	.00	.00
7	.00	.20	.00	.00	.00	.35	.00	.00	.00	.00	.00	.00
8	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
9	.00	.00	.00	.00	.00	.00	.00	.45	.00	.00	.00	.00
10	.00	.00	.00	.00	.00	.00	.00	.50	.00	.00	.00	.00
11	.00	.00	.00	.00	.50	.00	.00	.00	.00	.00	.00	.00
12	.00	.00	.00	.00	.10	.00	.00	.00	.00	.00	.00	.00
13	.00	.00	.00	.00	.50	.10	.00	.00	.00	.00	.00	.00
14	.00	.00	.00	.05	.00	.40	.00	.35	.00	.00	.00	.00
15	.00	.00	.00	.05	.20	.90	.00	.45	.00	.00	.00	.00
16	.00	.00	.00	.00	.00	.20	.00	1.05	.00	.00	.00	.00
17	.15	.00	.00	.00	.00	.00	.00	.60	.00	.00	.00	.00
18	.35	.00	.00	.00	.20	.20	.10	.30	.00	.00	.00	.00
19	.50	.00	.20	.00	.10	.40	.00	.15	.00	.00	.00	.00
20	.00	.00	.00	.00	.00	.00	.00	.15	.00	.00	.00	.00
21	.00	.00	.00	.00	.00	1.10	.00	.20	.00	.00	.00	.00
22	.00	.05	.00	.00	.00	.00	.00	.10	.00	.00	.00	.00
23	.00	.00	.05	.00	.60	.15	.00	.00	.00	.00	.00	.00
24	.00	.00	.00	.00	.20	.25	.00	.40	.00	.00	.00	.00
25	.00	.00	.00	.00	.00	.00	.00	1.10	.00	.00	.00	.00
26	.00	.00	.00	.00	.00	.00	.00	1.40	.00	.00	.00	.00
27	.00	.00	.00	.30	.00	.00	.00	.20	.00	.00	.00	.00
28	.00	.00	e.05	.00	.00	.00	.60	.10	.00	.00	.00	.00
29	.00	.35	.00	.00	---	.00	.17	.00	.00	.00	.00	.00
30	.00	.00	.00	.00	---	.00	.13	.00	.00	.00	.00	.00
31	.00	---	.00	.00	---	.00	---	.00	---	.00	.00	---
TOTAL	1.00	0.60	0.30	0.95	2.80	4.40	1.35	7.50	0.20	0.00	0.00	0.00
CAL YR 1986	TOTAL 9.95											
WTR YR 1987	TOTAL 19.10											

e Estimated

EAST STEWART BASIN

EAST STEWART CREEK NEAR IONE, NV

DAILY TOTAL PRECIPITATION, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
INCHES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.30	.00	.00	.00	.20	.00	.00	.00	.00	.00	.00
2	.00	.45	.00	.10	.00	.00	.00	.00	.00	.00	.10	.00
3	.00	.50	.00	1.35	.00	.05	.00	.00	.00	.00	.10	.00
4	.00	.00	.00	.15	.00	.00	.00	.00	.00	.00	.00	.00
5	.00	.40	.00	.20	.00	.00	.00	.20	.00	.00	.70	.00
6	.00	.85	.00	.15	.00	.00	.00	.90	.00	.00	.65	.00
7	.00	.20	.00	.00	.00	.00	.00	.00	.00	.00	.10	.00
8	.00	.00	.20	.00	.00	.00	.00	.00	.10	.00	.00	.00
9	.00	.00	.00	.40	.00	.00	.00	.00	.00	.00	.00	.00
10	.00	.00	.00	.20	.00	.00	.00	.00	.00	.00	.00	.00
11	.00	.00	.10	.00	.00	.00	.00	.00	.00	.00	.00	.00
12	.25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13	.25	.40	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
14	.00	.30	.00	.00	.00	.00	.50	.00	.00	.00	.00	.00
15	.00	.00	.00	.00	.00	.00	.90	.00	.00	.00	.00	.00
16	.00	.15	.20	.00	.00	.00	.20	.00	.00	.00	.00	.00
17	.00	.10	.00	.20	.00	.00	1.00	.20	.00	.00	.00	.00
18	.00	.00	.00	.00	.00	.00	.20	.00	.00	.00	.00	.00
19	.00	.00	.10	.00	.00	.00	.20	.00	.00	.00	.00	.00
20	.00	.00	.00	.00	.00	.00	.95	.00	.00	.00	.00	.00
21	.00	.00	.15	.00	.00	.00	.35	.00	.20	.00	.15	.45
22	.10	.00	.70	.00	.00	.00	.00	.00	.00	.00	.00	.15
23	.30	.00	.10	.00	.00	.00	.70	.00	.00	.00	.05	.00
24	.10	.10	.20	.00	.00	.00	.30	.00	.00	.05	.00	.00
25	.00	.20	.00	.00	.00	.00	.00	.00	.00	.15	.00	.00
26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.30	.00
27	.00	.00	.00	.00	.20	.00	.00	.00	.00	.05	.10	.00
28	.00	.00	.00	.00	.40	.00	.00	.70	.00	.00	.00	.00
29	.50	.00	.00	.00	.10	.00	.00	.74	.00	.00	.00	.00
30	.20	.00	.10	.00	---	.00	.00	.38	.00	.00	.05	.00
31	.00	---	.00	.00	---	.00	---	.00	---	.00	.00	---
TOTAL	1.70	3.95	1.85	2.75	0.70	0.25	5.30	3.12	0.30	0.30	2.30	0.60
CAL YR 1987	TOTAL 24.70											
WTR YR 1988	TOTAL 23.12											

EAST STEWART BASIN

EAST STEWART CREEK NEAR IONE, NV

DAILY TOTAL PRECIPITATION, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
INCHES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.00	.00	.20	.00	.00	e.00	.00	.00
2	.00	.00	.00	.00	.00	.55	.10	.00	.00	e.00	.00	.00
3	.00	.00	.00	.00	.05	.00	.00	.00	.60	e.00	.00	.00
4	.00	.00	.00	.00	.10	.00	.00	.00	.45	e.00	.00	.00
5	.00	.00	.00	.25	.00	.00	.00	.00	.10	e.00	.00	.00
6	.00	.10	.00	.10	.00	.00	.00	.00	.00	e.00	.10	.00
7	.00	.00	.00	.00	.00	.00	.00	.00	.00	e.00	.00	.00
8	.00	.00	.00	.00	.00	.05	.00	.00	.15	e.00	.30	.00
9	.00	.00	.00	.30	.00	.00	.00	.10	.55	e.00	.00	.00
10	.00	.00	.00	.20	.00	.00	.00	.40	.00	e.00	.05	.00
11	.00	.00	.00	.05	.00	.00	.00	.35	.30	e.00	.00	.00
12	.00	.00	.00	.00	.50	.00	.00	.15	.05	e.10	.00	.00
13	.00	.15	.00	.05	.10	.00	.00	.05	.00	e.00	.00	.00
14	.00	.40	.05	.00	.00	.00	.00	.20	.00	e.00	.00	e.00
15	.00	.00	.05	.00	.00	.00	.00	.20	.05	e.00	.00	e.00
16	.70	.45	.00	.00	.00	.00	.00	.00	.00	.00	.00	e.00
17	.30	.45	.05	.00	.00	.00	.00	.00	.00	.00	.00	e1.00
18	.00	.15	.20	.00	.00	.10	.00	.10	.00	.00	.00	e.00
19	.00	.00	.15	.00	.10	.35	.00	.00	.00	.00	.00	e.00
20	.00	.00	.10	.00	.00	.00	.00	.00	.00	.00	.00	e.00
21	.00	.00	.25	.00	.00	.00	.00	.00	.00	.00	.00	e.00
22	.00	.10	.55	.00	.00	.00	.00	.00	.00	.25	.00	e.00
23	.00	.70	.10	.00	.00	.00	.00	.05	.00	.15	.05	e.00
24	.00	.10	.60	.00	.00	.05	.30	.00	.00	.00	.00	e.00
25	.00	.30	.05	.00	.00	.65	.00	.00	.00	.00	.00	e.00
26	.00	.20	.10	.00	.00	.10	.00	.00	e.00	.05	.00	e.00
27	.00	.00	.20	.00	.00	.05	.15	.00	e.00	.00	.00	e.00
28	.00	.05	.05	.00	.00	.05	.15	.00	e.00	.00	.00	e.00
29	.00	.00	.10	.00	---	.00	.00	.15	e.00	.05	.00	e.00
30	.00	.00	.20	.00	---	.00	.00	.15	e.00	.00	.00	e.05
31	.00	---	.00	.00	---	.50	---	.00	---	.00	.00	---
TOTAL	1.00	3.15	2.80	0.95	0.85	2.45	0.90	1.90	2.25	0.60	0.50	1.05
CAL YR 1988	TOTAL 22.57											
WTR YR 1989	TOTAL 18.40											

e Estimated

EAST STEWART BASIN
EAST STEWART CREEK NEAR IONE, NV

DAILY TOTAL PRECIPITATION, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
INCHES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e.00	e.00	.00	.05	.30	.00	.00	.00	.00	.00	.05	.00
2	e.15	.00	.00	.25	.00	.00	.00	.00	.00	.10	.00	.00
3	e.10	.00	.00	.05	.10	.00	.00	.00	.00	.00	.00	.00
4	e.00	.00	.00	.00	.00	.10	.00	.00	.00	.00	.00	.00
5	e.00	.00	.00	.00	.00	.60	.00	.00	.00	.00	.00	.00
6	e.00	.00	.10	.00	.10	.10	.20	.05	.00	.00	.00	.00
7	e.00	.00	.00	.00	.15	.00	1.00	.00	.00	.00	.00	.05
8	e.00	.00	.00	.00	.00	.00	.65	.00	.00	.00	.00	.00
9	e.00	.00	.00	.00	.00	.00	.25	.00	.15	.00	.00	.00
10	e.00	.00	.00	.00	.00	.10	.00	.00	.25	.00	.00	.00
11	e.00	.00	.00	.00	.00	.10	.00	.05	.00	.00	.50	.00
12	e.00	.00	.00	.00	.10	.10	.00	.00	.00	.00	.20	.00
13	e.00	.00	.00	.10	.00	.00	.00	.00	.05	.40	.00	.00
14	e.00	.00	.00	.65	.00	.00	.00	.00	.05	.20	.00	.00
15	e.00	.00	.00	.05	.00	.00	.00	.00	.05	.00	.75	.00
16	e.00	.00	.00	.00	.10	.00	.05	.00	.00	.30	.25	.00
17	e.00	.00	.00	.30	.30	.00	.30	.10	.00	.25	.00	.00
18	e.00	.00	.00	.00	.60	.00	.15	.00	.00	.00	.15	.10
19	e.00	.00	.00	.00	.30	.00	.00	.00	.00	.05	.15	.00
20	e.00	.00	.00	.00	.00	.00	.10	.00	.00	.00	.25	.00
21	e.00	.00	.00	.00	.00	.00	.15	.00	.00	.00	.10	.05
22	e.00	.00	.00	.00	.00	.00	.10	.00	.00	.00	.00	.20
23	e.00	.00	.00	.00	.00	.00	.90	.30	.00	.00	.00	.55
24	e.00	.35	.00	.00	.00	.00	.25	.00	.00	.05	.00	.00
25	e1.00	.55	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
26	e.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	e.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
28	e.00	.00	.20	.00	.00	.10	.20	.90	.00	.00	.00	.40
29	e.00	.00	.00	.00	---	.00	.00	.80	.00	.00	.00	.10
30	e.00	.00	.00	.20	---	.00	.00	.00	.00	.00	.00	.00
31	e.00	---	.00	.10	---	.00	---	.10	---	.00	.00	---
TOTAL	1.25	0.90	0.30	1.75	2.05	1.20	4.30	2.30	0.55	1.35	2.40	1.45
CAL YR 1989	TOTAL 13.90											
WTR YR 1990	TOTAL 19.80											

e Estimated

EAST STEWART BASIN

EAST STEWART CREEK NEAR IONE, NV

DAILY TOTAL PRECIPITATION, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
INCHES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.20	.00	.00	.00	.10	e.17	e1.10	.00	.00	.00	.00
2	.00	.00	.00	.00	.00	.10	.00	e.40	.00	.00	.10	.00
3	.00	.00	.00	.10	.00	.25	.00	.00	.00	.00	.00	.07
4	.00	.00	.00	.10	.00	.25	.00	.00	.00	.00	.00	.00
5	.00	.10	.00	.00	.15	.00	.00	.00	.00	.00	.00	.06
6	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.10
7	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02
8	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.12
9	.00	.00	.00	.00	.00	.00	.00	.63	.00	.00	.00	.60
10	.00	.00	.00	.00	.00	e.17	.20	.38	.00	.00	.00	.00
11	.00	.00	.10	.00	.00	.00	.20	.08	.00	.00	.00	.00
12	.00	.00	.00	.00	.00	.00	e.52	.00	.00	.00	.00	.00
13	.00	.00	.30	.10	.00	e.34	.00	1.30	.00	.00	.15	.00
14	.00	.00	.05	.00	.00	e.60	.00	.00	.00	.00	.00	.00
15	.00	.00	.15	.10	.35	e.30	.00	.00	.00	.00	.00	.00
16	.00	.00	.00	.05	.00	.00	.00	.10	.00	.00	.00	.00
17	.00	.00	.00	.00	.00	e.17	.00	.20	.00	.00	.00	.00
18	.00	.00	.00	.00	.00	e.65	.00	e.33	.00	.00	.00	.00
19	.50	.20	.30	.00	.00	e.22	.00	e.05	.00	.00	.00	.00
20	.00	.20	.25	.00	.00	e.47	.00	e1.17	.00	.00	.00	.00
21	.00	.00	.05	.00	.00	e.34	.00	.00	.00	.00	.00	.00
22	.00	.00	.00	.00	.00	.00	e.26	.00	.00	.00	.00	.00
23	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
24	.00	.00	.00	.00	.00	e.43	e.26	.00	.10	.00	.00	.00
25	.00	.40	.00	.00	.00	e.26	e.26	.00	.20	.00	.25	.00
26	.00	.10	.00	.00	.00	e.17	.00	.00	.00	.00	.00	.00
27	.00	.00	.00	.00	.30	.00	.00	.00	.10	.00	.00	.80
28	.00	.00	.00	.00	.10	.00	.00	.00	.25	.00	.00	.10
29	.00	.00	.00	.00	---	.00	.00	.00	.15	.00	.00	.00
30	.00	.00	.00	.00	---	.00	.00	e.44	.00	.00	.00	.00
31	.00	---	.00	.00	---	.00	---	.00	---	.00	.00	---
TOTAL	0.50	1.20	1.20	0.50	0.90	4.82	1.87	6.18	0.80	0.00	0.50	1.87
CAL YR 1990	TOTAL 20.25											
WTR YR 1991	TOTAL 20.34											

e Estimated

EAST STEWART BASIN

EAST STEWART CREEK NEAR IONE, NV

PRECIPITATION WATER QUALITY, WATER YEARS OCTOBER 1984 TO SEPTEMBER 1991

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (μ S/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (μ S/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	ALKA- LINITY LAB (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)
JAN 1985									
11...	0900	--	--	--	--	--	0.33	0.06	0.16
APR									
03...	0945	--	--	--	--	--	0.50	0.08	2.7
JUL									
08...	1015	--	--	--	--	--	2.7	0.30	3.1
SEP									
27...	1600	33	--	--	--	--	1.4	0.20	0.50
JAN 1986									
11...	1015	7	15	--	7.0	2.0	0.90	0.05	1.1
APR									
01...	0900	9	13	6.3	6.6	4.0	0.35	0.03	0.73
JUL									
10...	0830	74	62	--	7.2	--	5.3	0.39	4.6
SEP									
30...	1030	28	26	--	6.5	4.0	1.3	0.14	0.97
DEC									
30...	1300	13	14	--	6.1	4.0	0.60	0.11	0.35
MAR 1987									
31...	0900	9	5	--	7.1	2.0	0.35	0.04	0.26
JUN									
30...	1300	7	15	6.2	7.2	4.0	0.34	0.07	0.20
SEP									
24...	1230	--	--	--	--	--	--	--	--
JAN 1988									
09...	1630	--	6	--	6.0	3.0	0.57	0.13	0.22
APR									
05...	1230	--	--	--	--	--	0.52	0.07	0.98
JUN									
28...	1614	8	11	6.4	6.9	3.0	0.85	0.08	0.70
SEP									
28...	1550	8	12	6.1	6.2	3.0	0.69	0.13	0.19
FEB 1989									
22...	1400	12	13	6.6	6.6	5.0	1.3	0.28	0.20
APR									
11...	1010	6	8	6.9	6.9	2.0	0.41	<0.01	0.80
MAY									
25...	1400	8	10	6.3	6.6	2.0	0.67	0.07	<0.58
SEP									
14...	1520	12	12	5.8	6.2	--	0.82	0.04	0.40
NOV									
07...	1324	7	9	6.2	6.2	1.6	0.86	0.09	0.40
JAN 1990									
31...	1415	4	6	5.3	6.6	1.0	0.22	0.05	0.30
APR									
03...	1100	5	9	6.2	6.4	<0.5	0.55	0.04	0.70
MAY									
24...	1240	7	9	6.4	6.4	<0.5	0.56	0.05	0.70
JUL									
12...	0800	8	15	6.4	6.3	<0.5	0.67	0.11	0.50
SEP									
25...	0915	9	9	6.0	6.3	1.0	0.56	0.08	0.20
JAN 1991									
29...	1400	23	29	6.3	6.6	6.7	2.4	0.49	0.40
JUN									
01...	1400	3	4	6.1	6.1	<0.5	0.35	0.04	0.30
JUL									
24...	1016	12	22	5.8	5.0	<0.5	0.94	0.12	0.90
SEP									
24...	0915	12	13	6.1	5.9	1.4	0.89	0.12	0.30

EAST STEWART BASIN

EAST STEWART CREEK NEAR IONE, NV

PRECIPITATION WATER QUALITY, WATER YEARS OCTOBER 1984 TO SEPTEMBER 1991

DATE	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	BROMIDE DIS- SOLVED (MG/L AS BR)	SILICA, DIS- SOLVED (MG/L AS SIO2)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)
JAN 1985								
11...	0.06	0.42	0.17	0.01	--	<1.0	--	--
APR								
03...	0.10	1.8	0.67	--	--	<1.0	--	--
JUL								
08...	--	2.5	0.76	0.03	--	15	--	--
SEP								
27...	--	1.9	0.52	0.02	0.010	0.20	--	--
JAN 1986								
11...	--	0.76	0.55	0.03	--	<0.01	--	--
APR								
01...	0.24	0.77	0.46	0.04	0.009	35	--	--
JUL								
10...	1.0	3.7	4.3	0.09	<0.010	--	0.540	<0.010
SEP								
30...	1.1	1.9	1.1	0.02	--	--	--	--
DEC								
30...	1.5	0.72	0.76	0.07	--	22	--	--
MAR 1987								
31...	0.08	0.25	0.19	0.02	--	34	--	--
JUN								
30...	0.12	0.70	0.16	0.04	--	0.0	--	--
SEP								
24...	--	6.8	3.8	--	0.025	--	--	--
JAN 1988								
09...	0.36	0.17	0.33	--	--	0.04	--	--
APR								
05...	0.10	1.5	0.61	--	0.015	--	--	--
JUN								
28...	0.21	0.89	0.61	--	--	0.06	--	--
SEP								
28...	0.30	0.97	0.24	--	--	0.09	--	--
FEB 1989								
22...	1.1	0.85	0.59	0.04	<0.010	<0.01	<0.010	<0.010
APR								
11...	0.13	1.0	0.38	0.15	0.41	0.03	<0.010	<0.010
MAY								
25...	0.09	1.0	0.30	<0.01	<0.010	0.12	0.240	<0.010
SEP								
14...	--	1.2	0.41	<0.01	--	0.07	--	--
NOV								
07...	--	0.58	0.50	0.01	<0.050	<0.01	0.380	<0.010
JAN 1990								
31...	--	0.54	0.17	<0.01	<0.010	0.04	0.160	<0.010
APR								
03...	--	0.64	0.64	0.01	<0.010	<0.01	0.150	<0.010
MAY								
24...	0.10	0.81	0.43	<0.01	<0.010	<0.01	0.270	<0.010
JUL								
12...	0.90	0.73	0.51	0.05	<0.010	<0.01	3.26	0.010
SEP								
25...	0.40	0.68	0.22	<0.01	<0.010	<0.01	0.290	<0.010
JAN 1991								
29...	3.2	0.97	1.4	0.25	<0.010	<0.10	0.020	<0.010
JUN								
01...	<0.10	0.48	0.10	0.03	<0.010	<0.10	0.150	<0.010
JUL								
24...	0.60	1.1	0.65	0.08	<0.010	0.20	1.20	<0.010
SEP								
24...	1.0	1.5	0.35	0.05	<0.010	0.10	0.380	<0.010

EAST STEWART BASIN

EAST STEWART CREEK NEAR IONE, NV

PRECIPITATION WATER QUALITY, WATER YEARS OCTOBER 1984 TO SEPTEMBER 1991

DATE	IRON, DIS- SOLVED (µG/L AS FE)	MANGA- NESE, DIS- SOLVED (µG/L AS MN)	STRON- TIUM, DIS- SOLVED (µG/L AS SR)	ALUM- INUM, DIS- SOLVED (µG/L AS AL)	TRITIUM TOTAL (PCI/L)	TRITIUM 2 SIGMA WATER, WHOLE, TOTAL (PCI/L)	H-2 / H-1 STABLE ISOTOPE RATIO PER MIL	O-18 / O-16 STABLE ISOTOPE RATIO PER MIL
JAN 1985								
11...	--	--	--	--	--	--	-130.0	-17.80
APR								
03...	--	--	--	--	--	--	--	--
JUL								
08...	4	<1	23	--	--	--	-71.0	-10.25
SEP								
27...	<3	4	19	--	--	--	-71.5	-10.25
JAN 1986								
11...	12	7	9	--	--	--	-125.5	-17.25
APR								
01...	15	--	--	--	--	--	-105.0	-14.20
JUL								
10...	10	--	130	--	--	--	-57.5	-7.40
SEP								
30...	<10	--	80	--	--	--	-81.5	-11.00
DEC								
30...	11	--	4	--	--	--	-99.5	-14.20
MAR 1987								
31...	<3	--	3	--	20	2.0	-142.5	-19.20
JUN								
30...	<3	--	3	--	60	6.0	-78.4	-11.50
SEP								
24...	--	--	--	--	--	--	-56.5	-4.70
JAN 1988								
09...	3	--	4	--	19	3.0	-131.5	-18.15
APR								
05...	<10	--	<10	--	--	--	-89.0	-11.05
JUN								
28...	4	--	9	--	43	4.0	-106.9	-14.40
SEP								
28...	<3	--	5	<10	40	5.8	-81.0	-12.20
FEB 1989								
22...	10	11	<10	--	34	3.0	-117.0	-16.25
APR								
11...	<3	2	<10	--	--	--	-127.5	-17.10
MAY								
25...	5	--	6	--	--	--	-111.5	-15.55
SEP								
14...	<3	<1	--	--	--	--	-86.5	-12.05
NOV								
07...	<3	3	--	--	--	--	-106.5	-15.10
JAN 1990								
31...	3	3	--	--	16	2.0	-123.5	-16.90
APR								
03...	4	4	--	--	29	3.0	-144.0	-19.40
MAY								
24...	9	4	--	--	--	--	-112.0	-15.20
JUL								
12...	2	5	--	--	--	--	-105.0	-8.35
SEP								
25...	<2	3	--	--	--	--	-77.5	-11.60
JAN 1991								
29...	3	29	--	--	--	--	-128.0	-17.35
JUN								
01...	5	4	--	--	41	3.0	-132.0	-18.00
JUL								
24...	15	11	--	--	--	--	-129.0	-17.65
SEP								
24...	<3	13	--	--	--	--	-50.0	-7.70

EAST STEWART BASIN

EAST STEWART CREEK NEAR IONE, NV

WATER-QUALITY ANALYSIS FROM THE UNSATURATED-ZONE LYSIMETER, WATER YEARS OCTOBER 1986 TO SEPTEMBER 1991

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE LAB (μ S/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	ALKA- LINITY WAT WH TOT FET FIELD (MG/L AS CACO3)	ALKA LINITY LAB (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM DIS- SOLVED (MG/L AS K)	SULFATE DIS- SOLVED (MG/L AS SO4)
JUN 1987												
30...	1545	68	6.7	6.5	11.5	21	15	4.4	1.1	2.8	5.9	2.2
SEP												
24...	11700	--	--	--	--	--	--	--	--	--	--	--
JUN 1988												
29...	0845	--	--	--	11.5	--	--	7.0	1.8	3.0	7.5	4.2
SEP												
28...	10920	--	--	--	--	--	--	--	--	--	--	--
MAY 1989												
25...	1030	--	--	--	--	--	--	--	--	--	--	7.6
SEP												
14...	1415	--	--	--	--	--	--	--	--	--	--	4.2
JUN 1990												
19...	1230	--	--	--	--	--	--	--	--	--	--	4.4
SEP												
25...	10900	--	--	--	--	--	--	--	--	--	--	--
JUL 1991												
24...	1100	89	--	--	--	--	--	--	--	--	--	2.7
SEP												
24...	11100	--	--	--	--	--	--	--	--	--	--	--

DATE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	BROMIDE DIS- SOLVED (MG/L AS BR)	SILICA, DIS- SOLVED (MG/L AS SIO2)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	IRON, DIS- SOLVED (μ G/L AS FE)	STRON- TIUM, DIS- SOLVED (μ G/L AS SR)	TRITIUM TOTAL (PCI/L)	H-2/ H-1 2 SIGMA STABLE WATER, ISOTOPE WHOLE, RATIO PER MIL	O-18/ O-16 STABLE ISOTOPE RATIO PER MIL
JUN 1987											
30...	0.90	0.08	--	7.3	--	--	52	30	--	--	--
SEP											
24...	--	--	--	--	--	--	--	--	--	--	--
JUN 1988											
29...	2.1	--	--	--	--	--	10	60	48	5.0	-103.0
SEP											
28...	--	--	--	--	--	--	--	--	--	--	--
MAY 1989											
25...	6.5	0.20	<0.010	--	<0.010	0.630	--	--	--	--	-88.5
SEP											
14...	6.9	0.35	<0.010	--	9.50	0.510	--	--	--	--	--
JUN 1990											
19...	18	0.26	<0.010	--	4.40	1.90	--	--	--	--	--
SEP											
25...	--	--	--	--	--	--	--	--	--	--	--
JUL 1991											
24...	2.0	0.15	<0.010	--	2.80	0.160	--	--	--	--	--
SEP											
24...	--	--	--	--	--	--	--	--	--	--	--

1 Sample collector dry.

EAST STEWART BASIN

EAST STEWART CREEK NEAR IONE, NV

DAILY MEAN DISCHARGE, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
CUBIC FEET PER SECOND

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	1.7	.67	.30	.20
2	---	---	---	---	---	---	---	---	1.9	.65	.30	.21
3	---	---	---	---	---	---	---	---	2.2	.63	.29	.22
4	---	---	---	---	---	---	---	---	2.4	.61	.29	.22
5	---	---	---	---	---	---	---	---	2.5	.59	.28	.21
6	---	---	---	---	---	---	---	---	2.7	.56	.28	.21
7	---	---	---	---	---	---	---	.32	2.7	.55	.27	.21
8	---	---	---	---	---	---	---	.34	2.6	.53	.27	.21
9	---	---	---	---	---	---	---	.39	2.4	.51	.28	.21
10	---	---	---	---	---	---	---	.45	2.2	.49	.28	.20
11	---	---	---	---	---	---	---	.48	2.1	.46	.28	.20
12	---	---	---	---	---	---	---	.51	2.1	.43	.27	.20
13	---	---	---	---	---	---	---	.58	2.0	.41	.27	.20
14	---	---	---	---	---	---	---	.65	1.8	.40	.27	.20
15	---	---	---	---	---	---	---	.75	1.7	.39	.27	.20
16	---	---	---	---	---	---	---	.92	1.6	.39	.26	.20
17	---	---	---	---	---	---	---	1.3	1.4	.38	.25	.19
18	---	---	---	---	---	---	---	1.5	1.3	.38	.25	.19
19	---	---	---	---	---	---	---	1.7	1.2	.37	.24	.19
20	---	---	---	---	---	---	---	1.8	1.2	.36	.24	.19
21	---	---	---	---	---	---	---	1.8	1.1	.36	.23	.19
22	---	---	---	---	---	---	---	1.9	1.1	.37	.23	.19
23	---	---	---	---	---	---	---	1.9	1.0	.36	.23	.18
24	---	---	---	---	---	---	---	1.9	.97	.35	.23	.18
25	---	---	---	---	---	---	---	1.8	.91	.35	.22	.18
26	--	--	--	--	--	--	--	1.8	.8	.3	.2	.18
27	---	---	---	---	---	---	---	1.7	.80	.33	.22	.18
28	---	---	---	---	---	---	---	1.6	.77	.33	.21	.18
29	---	---	---	---	---	---	---	1.5	.74	.32	.21	.18
30	---	---	---	---	---	---	---	1.4	.70	.31	.21	.18
31	---	---	---	---	---	---	---	1.5	---	.31	.21	---
TOTAL	---	---	---	---	---	---	---	---	48.64	13.49	7.86	5.88
MEAN	---	---	---	---	---	---	---	---	1.62	.44	.25	.20
MAX	---	---	---	---	---	---	---	---	2.7	.67	.30	.22
MIN	---	---	---	---	---	---	---	---	.70	.31	.21	.18
AC-FT	---	---	---	---	---	---	---	---	96	27	16	12

EAST STEWART BASIN

EAST STEWART CREEK NEAR IONE, NV

DAILY MEAN DISCHARGE, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
CUBIC FEET PER SECOND

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.18	.16	.12	.11	.08	.07	.09	.31	2.0	1.2	.43	.27
2	.18	.16	.12	.11	.08	.07	.09	.28	1.9	1.1	.42	.26
3	.18	.16	.12	.11	.08	.07	.09	.27	1.9	1.1	.42	.26
4	.17	.15	.12	.11	.08	.07	.09	.25	2.1	1.0	.41	.26
5	.17	.15	.12	.11	.08	.07	.09	.25	2.3	.96	.46	.26
6	.17	.15	.12	.11	.08	.07	.10	.25	2.4	.92	.48	.26
7	.17	.15	.12	.11	.08	.07	.11	.24	2.4	.89	.46	.26
8	.17	.15	.12	.11	.08	.07	.11	.23	2.3	.85	.43	.25
9	.17	.15	.11	.10	.08	.07	.11	.22	2.2	.81	.41	.25
10	.17	.14	.11	.08	.08	.07	.12	.25	2.1	.77	.40	.25
11	.17	.14	.11	.08	.08	.08	.13	.33	2.0	.75	.39	.26
12	.17	.14	.11	.08	.08	.07	.15	.46	1.9	.72	.38	.26
13	.17	.14	.11	.09	.08	.07	.20	.59	1.9	.70	.37	.26
14	.17	.14	.11	.09	.08	.07	.20	.66	1.9	.67	.34	.25
15	.17	.14	.11	.09	.08	.07	.19	.83	1.9	.65	.34	.25
16	.17	.14	.11	.09	.08	.07	.18	.98	1.9	.63	.33	.25
17	.17	.14	.11	.09	.08	.07	.18	.99	1.9	.60	.33	.25
18	.17	.13	.10	.09	.07	.07	.17	.98	1.9	.59	.32	.24
19	.17	.13	.10	.09	.07	.07	.17	.98	1.9	.57	.31	.24
20	.17	.13	.10	.09	.07	.07	.17	.99	1.8	.55	.31	.24
21	.17	.13	.10	.09	.07	.08	.17	1.1	1.8	.53	.32	.25
22	.17	.13	.10	.09	.07	.08	.19	1.2	1.7	.51	.32	.25
23	.17	.13	.10	.09	.07	.08	.19	1.4	1.7	.50	.31	.25
24	.17	.13	.10	.09	.07	.08	.19	1.7	1.6	.50	.30	.24
25	.17	.13	.11	.09	.07	.08	.20	1.9	1.6	.49	.30	.23
26	.16	.12	.11	.09	.07	.09	.21	2.0	1.5	.48	.30	.22
27	.16	.12	.11	.08	.07	.10	.25	2.2	1.4	.47	.29	.22
28	.16	.12	.11	.08	.07	.10	.26	2.2	1.3	.46	.29	.24
29	.16	.12	.11	.08	.07	.10	.29	2.2	1.2	.45	.28	.24
30	.16	.12	.11	.09	---	.09	.33	2.2	1.2	.44	.28	.24
31	.16	---	.11	.08	---	.09	---	2.1	---	.43	.27	---
TOTAL	5.24	4.14	3.42	2.89	2.20	2.38	5.02	30.54	55.6	21.29	11.00	7.46
MEAN	.17	.14	.11	.093	.076	.077	.17	.99	1.85	.69	.35	.25
MAX	.18	.16	.12	.11	.08	.10	.33	2.2	2.4	1.2	.48	.27
MIN	.16	.12	.10	.08	.07	.07	.09	.22	1.2	.43	.27	.22
AC-FT	10	8.2	6.8	5.7	4.4	4.7	10	61	110	42	22	15

WTR YR 1988 TOTAL 151.18 MEAN .41 MAX 2.4 MIN .07 AC-FT 300

EAST STEWART BASIN

EAST STEWART CREEK NEAR IONE, NV

DAILY MEAN DISCHARGE, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
CUBIC FEET PER SECOND

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.25	.22	.19	.17	.11	.10	.11	.28	.85	.60	.32	.24
2	.25	.21	.19	.17	.10	.10	.11	.30	.86	.58	.32	.24
3	.24	.21	.19	.17	.10	.10	.11	.34	.89	.55	.32	.24
4	.23	.21	.19	.17	.10	.10	.12	.39	.90	.53	.31	.23
5	.23	.21	.19	.17	.10	.11	.13	.43	.90	.52	.30	.23
6	.23	.21	.19	.17	.10	.12	.16	.46	.92	.50	.30	.22
7	.23	.21	.19	.17	.11	.11	.19	.51	.93	.49	.30	.23
8	.23	.21	.19	.17	.11	.11	.21	.56	.96	.48	.32	.23
9	.23	.20	.19	.16	.11	.11	.23	.61	.99	.47	.31	.22
10	.23	.21	.19	.16	.11	.11	.24	.64	.99	.46	.30	.23
11	.24	.21	.19	.15	.10	.10	.24	.64	1.0	.45	.30	.22
12	.25	.21	.19	.14	.10	.11	.24	.63	1.0	.45	.29	.22
13	.23	.21	.19	.14	.10	.11	.25	.61	1.0	.43	.28	.22
14	.23	.18	.18	.14	.10	.10	.26	.59	1.0	.43	.28	.22
15	.23	.21	.19	.14	.10	.11	.27	.58	1.0	.41	.28	.23
16	.23	.19	.19	.14	.10	.10	.27	.57	1.0	.40	.27	.23
17	.23	.20	.19	.14	.10	.11	.29	.59	.97	.39	.27	.27
18	.23	.20	.19	.14	.10	.10	.32	.61	.95	.38	.26	.25
19	.22	.20	.18	.13	.08	.10	.33	.61	.91	.37	.27	.24
20	.21	.20	.18	.13	.09	.10	.35	.65	.88	.36	.27	.23
21	.21	.20	.17	.13	.08	.11	.36	.70	.84	.37	.27	.23
22	.21	.20	.17	.13	.09	.11	.35	.76	.81	.38	.26	.23
23	.21	.17	.17	.13	.10	.11	.33	.81	.78	.37	.26	.23
24	.21	.20	.18	.13	.10	.11	.32	.84	.76	.36	.26	.23
25	.21	.21	.17	.13	.10	.12	.30	.86	.73	.34	.26	.23
26	.21	.20	.17	.13	.10	.10	.29	.88	.70	.35	.26	.23
27	.21	.19	.18	.13	.10	.11	.29	.90	.69	.34	.25	.23
28	.21	.19	.17	.13	.10	.11	.28	.90	.66	.34	.24	.23
29	.21	.19	.17	.12	---	.10	.28	.91	.63	.33	.24	.23
30	.21	.19	.17	.11	---	.10	.28	.90	.61	.32	.24	.23
31	.21	---	.17	.11	---	.11	---	.87	---	.32	.24	---
TOTAL	6.96	6.05	5.66	4.45	2.79	3.30	7.51	19.93	26.11	13.07	8.65	6.94
MEAN	.22	.20	.18	.14	.10	.11	.25	.64	.87	.42	.28	.23
MAX	.25	.22	.19	.17	.11	.12	.36	.91	1.0	.60	.32	.27
MIN	.21	.17	.17	.11	.08	.10	.11	.28	.61	.32	.24	.22
AC-FT	14	12	11	8.8	5.5	6.5	15	40	52	26	17	14

WTR YR 1989 TOTAL 111.42 MEAN .31 MAX 1.0 MIN .08 AC-FT 221

EAST STEWART BASIN

EAST STEWART CREEK NEAR IONE, NV

DAILY MEAN DISCHARGE, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
CUBIC FEET PER SECOND

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.23	.17	.17	.14	.11	.07	.11	.21	.52	.62	.32	.23
2	.23	.17	.17	.14	.11	.08	.11	.23	.57	.62	.32	.23
3	.22	.17	.17	.14	.11	.08	.11	.25	.64	.59	.31	.23
4	.21	.17	.17	.14	.10	.08	.11	.27	.75	.57	.30	.23
5	.21	.17	.17	.14	.10	.07	.11	.31	.91	.55	.30	.23
6	.21	.17	.17	.13	.10	.07	.11	.34	1.0	.54	.29	.23
7	.21	.17	.17	.13	.10	.07	.10	.34	1.2	.52	.29	.22
8	.21	.17	.17	.13	.09	.07	.11	.34	1.3	.50	.29	.22
9	.21	.17	.17	.11	.08	.08	.09	.35	1.4	.50	.28	.22
10	.21	.17	.17	.11	.08	.08	.10	.35	1.5	.49	.28	.22
11	.20	.17	.17	.11	.08	.08	.11	.35	1.5	.47	.30	.21
12	.19	.17	.17	.11	.08	.08	.12	.35	1.4	.46	.28	.21
13	.18	.17	.16	.11	.08	.08	.14	.36	1.3	.47	.27	.21
14	.18	.16	.16	.11	.08	.08	.15	.36	1.3	.47	.26	.21
15	.18	.16	.16	.11	.08	.08	.16	.35	1.2	.45	.33	.21
16	.18	.17	.16	.12	.08	.08	.15	.36	1.1	.45	.29	.21
17	.18	.17	.16	.13	.09	.07	.13	.37	1.1	.45	.28	.21
18	.18	.16	.16	.13	.09	.08	.13	.38	1.0	.43	.27	.21
19	.18	.16	.17	.12	.08	.08	.13	.37	.99	.42	.28	.21
20	.18	.16	.17	.13	.08	.09	.13	.38	.96	.41	.28	.20
21	.18	.17	.17	.13	.07	.09	.15	.41	.92	.39	.27	.20
22	.18	.18	.17	.13	.07	.10	.16	.44	.88	.38	.26	.22
23	.17	.18	.17	.13	.07	.11	.15	.43	.86	.36	.26	.24
24	.17	.18	.16	.13	.07	.11	.12	.47	.82	.36	.25	.22
25	.18	.18	.16	.13	.07	.12	.16	.48	.78	.36	.25	.21
26	.17	.16	.15	.12	.07	.12	.18	.47	.74	.34	.25	.20
27	.17	.17	.14	.12	.07	.12	.22	.47	.72	.34	.24	.21
28	.17	.17	.14	.12	.07	.10	.25	.49	.70	.34	.24	.22
29	.17	.17	.13	.13	---	.10	.23	.50	.67	.33	.24	.21
30	.17	.17	.14	.13	---	.10	.22	.51	.65	.32	.24	.21
31	.17	---	.14	.11	---	.10	---	.52	---	.32	.24	---
TOTAL	5.88	5.08	5.01	3.87	2.36	2.72	4.25	11.81	29.38	13.82	8.56	6.49
MEAN	.19	.17	.16	.12	.084	.088	.14	.38	.98	.45	.28	.22
MAX	.23	.18	.17	.14	.11	.12	.25	.52	1.5	.62	.33	.24
MIN	.17	.16	.13	.11	.07	.07	.09	.21	.52	.32	.24	.20
AC-FT	12	10	9.9	7.7	4.7	5.4	8.4	23	58	27	17	13
CAL YR 1989	TOTAL 108.72 MEAN .30 MAX 1.0 MIN .08 AC-FT 216											
WTR YR 1990	TOTAL 99.23 MEAN .27 MAX 1.5 MIN .07 AC-FT 197											

EAST STEWART BASIN

EAST STEWART CREEK NEAR IONE, NV

DAILY MEAN DISCHARGE, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
CUBIC FEET PER SECOND

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.20	.17	.13	.11	.05	.06	.06	.10	.47	1.3	.48	.31
2	.20	.17	.13	.11	.04	.06	.07	.09	.59	1.3	.48	.30
3	.20	.18	.13	.11	.03	.06	.08	.08	.74	1.2	.47	.31
4	.19	.19	.13	.11	.03	.06	.09	.10	.99	1.2	.46	.30
5	.19	.20	.13	.10	.04	.06	.10	.11	1.2	1.2	.45	.30
6	.19	.20	.13	.10	.04	.06	.10	.12	1.4	1.1	.43	.31
7	.19	.18	.13	.10	.04	.06	.09	.16	1.6	1.1	.43	.30
8	.19	.15	.13	.10	.04	.06	.09	.20	1.7	1.0	.42	.30
9	.19	.15	.13	.10	.05	.06	.09	.17	1.9	.99	.41	.31
10	.19	.15	.13	.10	.05	.06	.08	.14	2.2	.96	.40	.31
11	.18	.15	.13	.09	.05	.06	.08	.13	2.7	.92	.40	.30
12	.18	.16	.13	.08	.05	.06	.08	.14	3.2	.86	.39	.29
13	.18	.16	.13	.08	.05	.06	.08	.13	3.4	.80	.39	.29
14	.18	.16	.13	.07	.05	.11	.08	.13	3.4	.77	.39	.28
15	.18	.16	.13	.07	.05	.17	.08	.15	3.3	.74	.38	.28
16	.17	.16	.13	.06	.05	.10	.08	.19	3.2	.71	.38	.27
17	.18	.16	.13	.06	.05	.10	.08	.19	3.0	.69	.37	.27
18	.17	.16	.13	.06	.05	.10	.08	.17	2.9	.66	.36	.27
19	.18	.16	.12	.06	.05	.10	.09	.17	2.7	.66	.36	.26
20	.17	.13	.11	.06	.05	.10	.08	.16	2.5	.64	.34	.26
21	.18	.14	.11	.06	.05	.10	.08	.15	2.4	.63	.34	.26
22	.18	.13	.11	.06	.05	.10	.08	.19	2.2	.61	.34	.26
23	.17	.13	.11	.06	.06	.09	.09	.24	2.1	.59	.34	.25
24	.17	.13	.11	.06	.06	.08	.09	.29	2.0	.58	.33	.25
25	.17	.12	.11	.06	.06	.08	.08	.36	1.8	.56	.33	.25
26	.17	.12	.11	.06	.06	.07	.08	.40	1.7	.55	.33	.25
27	.17	.13	.11	.06	.06	.05	.08	.43	1.6	.53	.32	.28
28	.17	.13	.11	.06	.06	.05	.09	.48	1.5	.52	.32	.27
29	.17	.13	.11	.06	---	.06	.09	.49	1.5	.51	.32	.25
30	.17	.13	.11	.06	---	.06	.09	.47	1.4	.51	.30	.25
31	.17	---	.11	.06	---	.07	---	.46	---	.50	.30	---
TOTAL	5.59	4.59	3.78	2.39	1.37	2.37	2.51	6.79	61.29	24.89	11.76	8.39
MEAN	.18	.15	.12	.077	.049	.076	.084	.22	2.04	.80	.38	.28
MAX	.20	.20	.13	.11	.06	.17	.10	.49	3.4	1.3	.48	.31
MIN	.17	.12	.11	.06	.03	.05	.06	.08	.47	.50	.30	.25
AC-FT	11	9.1	7.5	4.7	2.7	4.7	5.0	13	122	49	23	17
CAL YR 1990	TOTAL 97.22 MEAN .27 MAX 1.5 MIN .07 AC-FT 193											
WTR YR 1991	TOTAL 135.72 MEAN .37 MAX 3.4 MIN .03 AC-FT 269											

EAST STEWART CREEK BASIN

EAST STEWART CREEK NEAR IONE, NV

SURFACE-WATER QUALITY, WATER YEARS OCTOBER 1983 TO SEPTEMBER 1991

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (μ S/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (μ S/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	ALKA- LITY WAT WH TOT FET FIELD MG/L AS CACO3	ALKA- LITY LAB (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)
SEP 1984										
19...	1630	25	--	7.6	--	7.5	12	--	3.2	0.50
JAN 1985										
19...	0930	--	--	--	--	--	12	--	2.9	0.43
APR										
03...	1000	--	--	--	--	--	--	--	2.8	0.42
JUL										
09...	1200	--	32	--	7.7	--	13	--	2.3	0.24
SEP										
27...	1630	52	--	6.5	--	5.0	14	--	2.9	0.40
JAN 1986										
11...	1000	34	37	7.1	7.6	2.0	13	12	2.8	<0.40
MAR										
20...	1030	34	37	8.2	7.5	2.5	15	15	3.0	0.39
APR										
01...	1000	30	37	7.1	7.6	3.0	14	15	3.0	0.38
MAY										
29...	1430	--	31	7.3	7.7	5.5	--	12	2.3	0.28
JUL										
10...	0900	36	--	7.5	--	5.5	13	--	2.5	0.30
SEP										
30...	1130	38	33	6.8	7.7	5.0	12	14	2.4	0.31
OCT										
09...	1200	--	33	--	7.7	--	--	14	2.5	0.31
DEC										
30...	1330	35	34	6.6	6.9	1.0	13	12	2.7	0.41
MAR 1987										
31...	1330	23	33	6.7	7.9	2.0	12	13	2.7	0.39
MAY										
06...	1300	--	34	--	7.5	3.0	--	13	2.6	0.35
JUN										
30...	1730	33	23	6.9	7.6	6.5	12	7.0	2.4	0.38
SEP										
25...	1530	38	39	6.9	7.7	8.0	14	14	3.0	0.41
JAN 1988										
09...	1615	36	36	6.8	7.6	2.0	12	14	2.8	0.41
APR										
05...	1400	28	35	6.7	7.1	4.0	12	13	2.8	0.41
JUN										
27...	1800	27	30	7.0	7.5	6.5	12	13	2.6	0.34
SEP										
28...	1500	32	34	6.8	7.6	5.5	13	14	2.8	0.51
FEB 1989										
22...	1530	31	33	6.6	7.5	2.0	12	13	2.7	0.47
APR										
11...	1220	31	33	7.0	7.5	6.0	12	13	2.9	0.42
MAY										
25...	1250	30	30	7.3	7.9	6.5	--	13	2.6	0.35
SEP										
14...	1500	33	28	7.0	7.4	7.5	15	--	3.0	0.39
NOV										
07...	1400	31	33	7.0	7.1	2.0	13	14	2.8	0.36
JAN 1990										
31...	1430	29	31	6.8	7.3	1.0	11	12	2.5	0.35
APR										
03...	1150	31	33	6.9	7.1	3.0	12	11	3.8	0.40
MAY										
24...	1000	28	31	7.3	7.4	2.5	12	11	2.7	0.35
SEP										
25...	0830	37	35	7.1	7.0	4.0	13	13	3.0	0.40
JAN 1991										
29...	1200	32	32	6.9	7.1	0.5	14	12	2.7	0.38
JUN										
01...	1430	32	33	7.2	8.1	3.5	12	12	2.8	0.41
JUL										
24...	1100	27	30	6.8	7.0	6.5	12	11	2.0	0.34
SEP										
24...	0945	31	33	6.4	7.2	7.0	13	13	2.8	0.38

EAST STEWART CREEK BASIN

EAST STEWART CREEK NEAR IONE, NV

SURFACE-WATER QUALITY, WATER YEARS OCTOBER 1983 TO SEPTEMBER 1991

DATE	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	BROMIDE DIS- SOLVED (MG/L AS BR)	SILICA, DIS- SOLVED (MG/L AS SIO2)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)
SEP 1984									
19...	3.0	--	1.6	0.99	0.05	--	14	--	--
JAN 1985									
19...	3.5	0.56	1.5	0.76	0.05	0.007	10	--	--
APR									
03...	3.8	0.60	1.7	0.83	0.04	0.008	16	--	--
JUL									
09...	1.0	--	1.3	0.60	0.04	<0.005	0.30	--	--
SEP									
27...	3.0	--	1.4	0.75	0.04	0.006	16	--	--
JAN 1986									
11...	3.1	--	1.5	0.75	0.05	0.009	16	--	--
MAR									
20...	3.4	0.60	1.5	0.73	0.04	<0.010	15	--	--
APR									
01...	3.3	0.70	1.5	0.76	0.04	0.008	16	--	--
MAY									
29...	3.0	0.60	1.2	0.67	0.04	<0.010	13	--	--
JUL									
10...	2.9	0.46	1.3	0.74	0.04	<0.010	--	--	--
SEP									
30...	3.3	0.60	1.3	0.93	0.04	--	--	--	--
OCT									
09...	3.3	0.60	1.3	0.78	0.02	--	--	--	--
DEC									
30...	3.3	0.56	1.4	0.85	0.03	--	16	--	--
MAR 1987									
31...	1.5	0.59	1.4	0.83	0.03	--	15	--	--
MAY									
06...	3.2	0.62	1.5	0.94	0.05	--	14	--	--
JUN									
30...	2.9	0.50	1.5	0.72	0.06	--	15	--	--
SEP									
25...	3.1	0.57	1.5	0.97	0.65	0.57	16	--	--
JAN 1988									
09...	3.3	0.59	1.5	0.78	--	--	16	--	--
APR									
05...	3.2	0.64	1.6	0.89	--	--	16	--	--
JUN									
27...	3.0	0.42	1.3	0.64	--	--	14	--	--
SEP									
28...	3.3	0.62	1.5	0.90	--	--	16	--	--
FEB 1989									
22...	3.0	0.56	1.7	0.88	0.07	<0.010	15	0.130	0.010
APR									
11...	3.5	0.58	1.8	0.90	0.07	<0.010	15	<0.010	<0.010
MAY									
25...	3.1	0.50	1.6	0.76	0.06	<0.010	15	0.060	0.010
SEP									
14...	3.4	--	1.5	0.76	0.03	<0.010	15	0.020	<0.010
NOV									
07...	3.5	--	1.5	0.87	0.06	<0.010	16	0.050	<0.010
JAN 1990									
31...	3.1	--	1.6	0.84	0.07	<0.010	16	0.180	0.020
APR									
03...	3.2	--	1.7	0.89	0.05	<0.010	15	0.100	0.020
MAY									
24...	3.9	0.60	1.7	1.0	0.05	<0.010	15	0.040	<0.010
SEP									
25...	3.3	0.60	1.5	1.1	0.06	<0.010	16	0.060	<0.010
JAN 1991									
29...	3.1	0.60	1.7	0.89	0.06	<0.010	16	0.150	0.020
JUN									
01...	3.1	0.50	1.7	0.90	0.08	0.020	14	0.040	<0.010
JUL									
24...	2.8	0.50	1.5	0.62	0.07	<0.010	15	<0.010	<0.010
SEP									
24...	3.2	0.50	1.4	0.76	0.05	<0.010	16	<0.010	<0.010

EAST STEWART CREEK BASIN

EAST STEWART CREEK NEAR IONE, NV

SURFACE-WATER QUALITY, WATER YEARS OCTOBER 1983 TO SEPTEMBER 1991

DATE	BARIUM, DIS- SOLVED (µG/L AS BA)	BERYL- LIUM, DIS- SOLVED (µG/L AS BE)	CADMIUM DIS- SOLVED (µG/L AS CD)	COBALT, DIS- SOLVED (µG/L AS CO)	COPPER, DIS- SOLVED (µG/L AS CU)	IRON, DIS- SOLVED (µG/L AS FE)	LEAD, DIS- SOLVED (µG/L AS PB)	MANGA- NESE, DIS- SOLVED (µG/L AS MN)	MOLYB- DENUM, DIS- SOLVED (µG/L AS MO)
SEP 1984									
19...	--	--	--	--	--	7	--	3	--
JAN 1985									
19...	--	--	--	--	--	--	--	--	--
APR									
03...	--	--	--	--	--	--	--	--	--
JUL									
09...	15	<0.5	<1.0	<3	<10	5	<10	6	<10
SEP									
27...	--	--	--	--	--	9	--	4	--
JAN 1986									
11...	--	--	--	--	--	11	--	2	--
MAR									
20...	--	--	--	--	--	<10	--	--	--
APR									
01...	--	--	--	--	--	<10	--	--	--
MAY									
29...	--	--	--	--	--	12	--	--	--
JUL									
10...	--	--	--	--	--	<10	--	--	--
SEP									
30...	--	--	--	--	--	<10	--	--	--
OCT									
09...	--	--	--	--	--	<10	--	--	--
DEC									
30...	--	--	--	--	--	10	--	--	--
MAR 1987									
31...	--	--	--	--	--	6	--	--	--
MAY									
06...	--	--	--	--	--	<3	--	--	--
JUN									
30...	--	--	--	--	--	<3	--	--	--
SEP									
25...	--	--	--	--	--	4	--	--	--
JAN 1988									
09...	--	--	--	--	--	3	--	--	--
APR									
05...	--	--	--	--	--	<3	--	--	--
JUN									
27...	--	--	--	--	--	<3	--	--	--
SEP									
28...	--	--	--	--	--	<3	--	--	--
FEB 1989									
22...	--	--	--	--	--	10	--	<1	--
APR									
11...	--	--	--	--	--	5	--	<1	--
MAY									
25...	--	--	--	--	--	6	--	--	--
SEP									
14...	--	--	--	--	--	3	--	<1	--
NOV									
07...	--	--	--	--	--	<3	--	5	--
JAN 1990									
31...	--	--	--	--	--	<3	--	<1	--
APR									
03...	--	--	--	--	--	10	--	<1	--
MAY									
24...	--	--	--	--	--	5	--	<1	--
SEP									
25...	--	--	--	--	--	4	--	<1	--
JAN 1991									
29...	--	--	--	--	--	<3	--	<1	--
JUN									
01...	--	--	--	--	--	5	--	1	--
JUL									
24...	--	--	--	--	--	<3	--	<1	--
SEP									
24...	--	--	--	--	--	6	--	<1	--

EAST STEWART CREEK BASIN

EAST STEWART CREEK NEAR IONE, NV

SURFACE-WATER QUALITY, WATER YEARS OCTOBER 1983 TO SEPTEMBER 1991

DATE	STRONTIUM, DIS-SOLVED (µG/L AS SR)	ZINC, DIS-SOLVED (µG/L AS ZN)	ALUMINUM, DIS-SOLVED (µG/L AS AL)	LITHIUM DIS-SOLVED (µG/L AS LI)	TRITIUM TOTAL (PCI/L)	TRITIUM 2 SIGMA WATER, WHOLE, TOTAL (PCI/L)	URANIUM NATURAL DIS-SOLVED (µG/L AS U)	H-2 / H-1 STABLE ISOTOPE RATIO PER MIL	O-18 / O-16 STABLE ISOTOPE RATIO PER MIL
SEP 1984									
19...	26	--	--	--	140	14	--	-117.0	-15.70
JAN 1985									
19...	--	--	--	--	--	--	--	-120.0	-16.30
APR									
03...	--	--	--	--	--	--	--	-119.8	--
JUL									
09...	25	16	--	<4	--	--	--	-118.2	-16.29
SEP									
27...	26	--	--	--	--	--	--	-120.0	-16.35
JAN 1986									
11...	24	--	--	--	--	--	--	-119.0	-16.40
MAR									
20...	150	--	--	--	--	--	--	-122.0	-16.45
APR									
01...	140	--	--	--	--	--	--	-120.0	-16.30
MAY									
29...	17	--	--	--	--	--	--	-120.0	-16.00
JUL									
10...	<10	--	--	--	--	--	5.6	-119.0	-16.30
SEP									
30...	70	--	--	--	--	--	--	-120.5	-16.20
OCT									
09...	70	--	--	--	--	--	--	--	--
DEC									
30...	25	--	--	--	--	--	--	-119.0	-16.25
MAR 1987									
31...	21	--	--	--	--	--	--	-119.0	-16.25
MAY									
06...	23	--	--	--	--	--	--	--	--
JUN									
30...	20	--	--	--	--	--	--	-119.0	-16.25
SEP									
25...	24	--	--	--	--	--	--	-120.5	-16.30
JAN 1988									
09...	<1	--	--	--	--	--	--	-120.5	-16.45
APR									
05...	26	--	--	--	--	--	--	-121.5	-16.35
JUN									
27...	19	--	--	--	--	--	--	-120.0	-16.40
SEP									
28...	25	--	<10	--	110	11	--	-119.5	-16.30
FEB 1989									
22...	<10	--	--	--	--	--	--	-121.0	-16.35
APR									
11...	20	--	--	--	--	--	--	-120.0	-16.60
MAY									
25...	22	--	--	--	--	--	--	-117.5	-16.55
SEP									
14...	--	--	--	--	110	10	--	-122.0	-16.25
NOV									
07...	--	--	--	--	98	10	--	-120.5	-16.35
JAN 1990									
31...	--	--	--	--	100	9.0	--	-122.5	-16.35
APR									
03...	--	--	--	--	--	--	--	-123.0	-16.55
MAY									
24...	--	--	--	--	--	--	--	-119.0	-16.25
SEP									
25...	--	--	--	--	--	--	--	-119.0	-16.20
JAN 1991									
29...	--	--	--	--	--	--	--	-122.0	-16.35
JUN									
01...	--	--	--	--	--	--	--	-118.0	-16.20
JUL									
24...	--	--	--	--	89	6.0	--	-121.0	-16.35
SEP									
24...	--	--	--	--	--	--	--	-120.0	-16.30

EAST STEWART BASIN

HELLEBORE SPRING NEAR IONE, NV

LOCATION. -- Lat 38°53'24", long 117°21'36", Nye County, Hydrologic Unit 16040107, 250 feet northeast of the East Stewart Creek surface-water equipment, 1.2 mi southeast of the Columbine campground, 13.3 mi east of Ione on State Route 21.

PERIOD OF RECORD. -- May 1986 to current year.

SURFACE-WATER QUALITY, WATER YEARS OCTOBER 1985 TO SEPTEMBER 1991

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (µS/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (µS/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3	ALKA- LINITY LAB (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)
MAY 1986									
29...	1530	--	48	--	7.5	--	--	19	3.9
JUL									
31...	1700	61	45	--	7.5	7.5	17	19	3.8
SEP									
30...	1445	49	47	7.0	7.1	10.0	20	20	3.6
DEC									
30...	1100	47	46	6.9	7.0	3.5	17	17	3.8
MAY 1987									
06...	1422	--	46	--	7.9	5.0	--	18	3.8
JUN									
30...	1754	48	48	6.8	7.6	6.0	17	<1.0	4.1
SEP									
25...	1600	49	50	6.6	7.6	7.0	17	18	4.2
MAY 1988									
10...	1645	--	46	--	7.6	5.0	--	19	4.0
JUN									
28...	1540	41	45	7.0	7.6	6.0	18	21	3.9
SEP									
29...	0745	43	47	6.4	7.2	6.5	17	19	4.2
APR 1989									
11...	1300	--	--	--	--	4.0	--	--	--
MAY									
25...	1310	43	44	7.2	7.9	5.5	--	18	3.8
NOV									
07...	1355	40	44	7.1	6.9	5.0	17	16	3.7
APR 1990									
03...	1130	40	43	6.9	7.0	4.0	17	16	3.8
MAY									
24...	1140	41	44	6.9	7.4	5.0	17	16	3.9
JUL 1991									
24...	1030	40	43	6.6	7.6	6.0	17	17	3.8

EAST STEWART BASIN
HELLEBORE SPRING NEAR IONE, NV
SURFACE-WATER QUALITY, WATER YEARS OCTOBER 1985 TO SEPTEMBER 1991

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	BROMIDE DIS- SOLVED (MG/L AS BR)	SILICA, DIS- SOLVED (MG/L AS SiO2)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)
MAY 1986									
29...	0.51	4.3	0.70	1.9	1.9	0.05	0.023	19	--
JUL									
31...	0.49	3.8	0.80	1.8	1.0	0.09	<0.010	21	0.220
SEP									
30...	0.49	4.3	1.1	1.6	1.2	0.00	--	20	--
DEC									
30...	0.55	4.2	0.66	1.6	1.2	0.00	--	20	--
MAY 1987									
06...	0.52	4.2	0.68	1.8	1.1	0.09	--	19	--
JUN									
30...	0.56	3.9	0.66	1.9	1.3	0.07	--	20	--
SEP									
25...	0.56	3.9	0.68	2.0	1.1	--	--	20	--
MAY 1988									
10...	0.59	4.2	0.67	2.0	1.2	0.10	<0.010	20	<0.010
JUN									
28...	0.53	4.0	0.57	1.7	1.0	--	--	19	--
SEP									
29...	0.68	4.1	0.81	2.0	1.2	--	0.010	20	--
APR 1989									
11...	--	--	--	--	--	--	--	--	--
MAY									
25...	0.54	4.0	0.65	1.9	1.2	0.08	<0.010	19	0.230
NOV									
07...	0.50	4.2	--	1.8	1.1	0.11	<0.010	20	0.030
APR 1990									
03...	0.55	4.0	--	1.7	1.1	0.05	0.030	20	0.150
MAY									
24...	0.52	4.0	0.70	2.0	1.1	0.07	<0.010	19	0.270
JUL 1991									
24...	0.57	4.0	0.60	1.9	1.1	0.08	<0.010	20	0.170

EAST STEWART BASIN

HELLEBORE SPRING NEAR IONE, NV

SURFACE-WATER QUALITY, WATER YEARS OCTOBER 1985 TO SEPTEMBER 1991

DATE	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	IRON, DIS- SOLVED (µG/L AS FE)	MANGA- NESE, DIS- SOLVED (µG/L AS MN)	STRON- TIUM, DIS- SOLVED (µG/L AS SR)	ALUM- INUM, DIS- SOLVED (µG/L AS AL)	TRITIUM TOTAL (PCI/L)	TRITIUM 2 SIGMA WATER, WHOLE, TOTAL (PCI/L)	H-2 / H-1 STABLE ISOTOPE RATIO PER MIL	O-18 / O-16 STABLE ISOTOPE RATIO PER MIL
MAY 1986									
29...	--	6	--	33	--	--	--	-120.0	-16.00
JUL									
31...	0.030	54	--	37	--	--	--	-121.0	-16.20
SEP									
30...	--	<10	--	140	--	--	--	-121.0	-16.20
DEC									
30...	--	<3	--	35	--	--	--	-118.0	-16.20
MAY 1987									
06...	--	<3	--	33	--	--	--	--	--
JUN									
30...	--	3	--	36	--	--	--	-120.5	-16.20
SEP									
25...	--	<3	--	36	--	--	--	-120.5	-16.25
MAY 1988									
10...	<0.010	<3	--	38	--	--	--	-120.0	-16.20
JUN									
28...	--	<3	--	34	--	--	--	-120.5	-16.15
SEP									
29...	--	<3	--	37	<10	110	10	-119.5	-16.20
APR 1989									
11...	--	--	--	--	--	--	--	-121.0	-16.25
MAY									
25...	0.010	5	--	35	--	--	--	-124.5	-16.30
NOV									
07...	<0.010	<3	<1	--	--	--	--	-120.0	-16.25
APR 1990									
03...	<0.010	5	1	--	--	--	--	-120.0	-16.25
MAY									
24...	<0.010	3	<1	--	--	--	--	-118.0	-16.10
JUL 1991									
24...	<0.010	4	<1	--	--	--	--	-121.0	-16.25