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Pacific Northwest Laboratories
Richland, Washington 99352

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AEC Research and Development Report

ANNUAL SUMMARIES OF
MICROCLIMATOLOGICAL DATA
FROM THE ARID LANDS
ECOLOGY RESERVE

November 1971

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ANNUAL SUMMARIES
OF MICROCLIMATOLOGICAL DATA
FROM THE ARID LANDS ECOLOGY RESERVE:
1968 THROUGH 1970

W. T. Hinds and J. M. Thorp

November 1971

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PACIFIC NORTHWEST LABORATORIES
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INTRODUCTION

Climatological observations were begun on the Arid Lands Ecology Reserve in March of 1968, with weekly readings of maximum and minimum temperature at 25 sites. Precipitation was recorded weekly beginning in October of 1968. The observation schedule was changed to monthly readings in October of 1969, and has continued essentially uninterrupted to date.

This is the first of a projected series of annual summaries of microclimatological data observed on the ALE Reserve. An earlier report (Hinds and Thorp, 1969) described the locations of the various sites of the observations, and dealt briefly with the geology, soils and vegetation cover types within the microclimatological network.

The enclosed summaries include monthly maximum and minimum temperatures and monthly precipitation total (water equivalent for frozen precipitation). The data are tabulated from October of one year to December of the following year, thus presenting on one page both calendar year and "bioyear" data. The "bioyear" is an approximation to the period of moisture accumulation and biological use of the stored moisture, and is perhaps most closely attuned to plant life cycles. Although it is not universally useful, it is an approximation to the drought-free period. As a standard of comparison between years, the bioyear is thus more representative than the calendar year.

The data have been edited for completeness and simultaneity, with approximations and interpolations made as necessary and indicated by a question mark following the datum in question. Interpolations ordinarily involved dividing winter precipitation between the months when access to sites was blocked by snow. Approximations of precipitation were necessary when gauges filled with insects attracted by the oil used as evaporation suppressant.

The stations at which the data were observed are identified in this summary by a name, a number, and an elevation. The stations are arranged according to transects up the slopes of the Rattlesnake Hills, with the transects in the order Snively, Benson, Central, Winterfat and Blacktop (see Hinds and Thorp, 1969). For added convenience, the data are also presented in terms of increasing elevation. This duplication of data presentation may be dropped if a clear preference is evident among the people using the data.

There is as yet no unanimous preference for the metric system of units. Most scientific journals require the metric system be used, and most scientists prefer the metric system, but the English system is traditional for United States climatological data, and the English units were requested by some Battelle researchers. Therefore, this summary includes the data in both systems. Perhaps after some experience, a consensus can be reached requiring only a single system for future summaries. At the moment, the increase in page volume is a minor problem compared to the effort involved for individuals to convert units if they desire English units.

REFERENCE

Hinds, W. T. and J. M. Thorp, 1969: Biotic and Abiotic Characteristics of The Microclimatological Network on The Arid Lands Ecology Reserve, BNWL-SA-2733, April, 1969, Battelle-Northwest, Richland, Washington 99352.

METRIC SYSTEM DATA TABULATION

ARRANGED BY TRANSECT

ARID LANDS ECOLOGY RESERVE -- MONTHLY PRECIPITATION (CENTIMETERS)

1968-1969

STATION	STATION NAME	ELEV. M																TOTAL	TOTAL	
			OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	OCT-MAY	JAN-DEC	
1	UPPER COLD CREEK	204	2.4	3.3	2.6?	2.6?	2.6?	.5	1.8	1.2	.4?	.0	.0	.8	.6	.0	3.6	17.0	14.1	
2	RATTLESNAKE SPRINGS	210	2.5	3.8	2.6?	2.6?	2.6?	.4	2.3	1.3	.4	.0	.0	.8	.5	.0	3.9	18.0	14.8	
3	LOWER SNIVELY	323	3.4	4.6	2.9?	2.9?	2.9?	.3	3.0	1.6	.9	.0	.0	1.1?	1.0	.0	4.2	21.7	17.9	
4	UPPER SNIVELY	533	3.7	5.1?	3.4?	3.4?	3.4?	.4	3.8	2.0	1.4	.0	.0	1.8	1.3	.0	4.2	25.1	21.7	
5	BENSON RANCH	189	2.5	3.6	2.7?	2.7?	2.7?	.2	2.1	1.2?	1.2?	.0	.0	1.3	.5	.0	3.7	17.7	15.6	
6	UPPER BENSON	244	2.5	3.8	2.6?	2.6?	2.6?	.0	2.1	1.2?	1.0?	.0	.0	1.5	.5	.0	4.3	17.4	15.9	
7	ALLUVIAL FAN	347	3.1	4.5	2.8?	2.8?	2.8?	.1	2.8	1.3	.7	.0	.0	2.1	.5	.0	4.3	20.2	17.4	
7A	LOWER LARK SPUR	488	***	***	***	***	***	***	***	***	***	***	***	***	***	.5?	.0	4.6	.0	5.1
8	LARK SPUR	588	3.6	5.5	3.5?	3.5?	3.5?	.1	3.2	1.3	1.2	.0	.0	2.6	.5	.0	5.0	26.1	20.9	
9	BENSON BASIN	734	4.5	5.9	3.7?	3.7?	3.7?	.3	3.7	1.9	1.3	.0	.0	3.1	.6	.0	5.4	27.3	23.7	
10	ANDERSON RIM	884	6.1	6.0	3.7?	3.7?	3.7?	.5	3.7	2.1	1.5	.0	.0	3.3	1.2	.0	5.2	29.5	25.0	
11	ANDERSON FIELD	939	3.9	5.7	3.0?	3.0?	3.0?	.3	3.5	1.9	1.3?	.0	.0	2.9	1.0	.0	3.3	24.4	20.3	
12	HOPSAGE	158	2.2	3.4	2.8?	2.8?	2.8?	.2	2.4	1.0	1.9?	.0	.0	1.3	.4	.0	4.1	17.6	16.9	
13	TELEMETER	366	3.4	5.1	3.1?	3.1?	3.1?	.3	3.2	1.3	1.4?	.0	.0	2.2	.6	.0	4.1	22.7	19.4	
14	RATTLESNAKE CREST NE	1020	3.9	5.4	3.0?	3.0?	3.0?	.3	3.8	1.4	2.1	.0	.0	2.7	1.0	.0	3.6	23.7	20.7	
15	RATTLESNAKE CREST	1079	***	***	***	***	***	***	***	***	***	***	***	***	***	.6	.0	3.0	.0	3.7
16	RATTLESNAKE CREST SW	1067	3.1	4.6	3.6?	3.6?	3.6?	1.8	2.9	1.6	2.3	.0	.0	1.9	.5	.0	2.8	25.0	21.1	
17	WINTERFAT	206	3.0	4.7	2.6?	2.6?	2.6?	.3	1.4?	.9	1.1?	.0	.0	1.4	.8	.0	3.9	18.1	15.0	
18	CALOCHORTUS	381	3.1	5.0	3.1?	3.1?	3.1?	1.6	3.3	1.5	2.1?	.0	.0	1.5	.8	.0	4.2	23.0	21.4	
19	BEETLE PLOT 7	954	4.3	5.4	2.9?	2.9?	2.9?	.9	4.0	2.0	2.2	.0	.0	2.8	.9	.0	3.5	25.2	21.9	
20	LOWER COLD CREEK	134	2.8	4.0	3.5?	3.5?	3.5?	1.2	2.9	.7	2.0?	.0	.0	1.2	.4	.0	3.6	22.3	19.1	
21	BEETLE PLOT 3	192	2.9	4.7	2.7?	2.7?	2.7?	1.4	3.1	.7	2.3?	.0	.0	1.6	.5	.0	3.6	21.0	18.0	
22	BEETLE PLOT 4	286	3.3	4.8	2.7?	2.7?	2.7?	1.8	2.8	.9	2.0?	.0	.0	1.8	.6	.0	3.4	21.7	18.7	
23	E. N. C. (Y)	329	3.4	4.9	2.8?	2.8?	2.8?	2.3	2.8	1.1	2.3?	.0	.0	1.7	.6	.0	3.9	21.1	20.4	
24	BEETLE PLOT 5	448	3.8	4.9	2.9?	2.9?	2.9?	2.2	2.9	1.6	2.4?	.0	.0	2.0	.9	.0	3.6	24.0	22.3	
25	BEETLE PLOT 6	756	4.6	4.3	2.8?	2.8?	2.8?	1.6	3.3	1.6	2.9?	.0	.0	2.1	.9	.0	3.6	24.0	21.8	

*** INDICATES MISSING DATA; ? INDICATES ESTIMATED DATA.

ARID LANDS ECOLOGY RESERVE -- MONTHLY PRECIPITATION (CENTIMETERS)

1969-1970

STA- TION	STATION NAME	ELEV. M	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL OCT-MAY	TOTAL JAN-DEC
1	UPPER COLD CREEK	204	.6	.0	3.6	3.72	3.72	1.9	1.9	.0	.62	.0	.0	.0	.6	1.0	2.8	15.5	16.4
2	RATTLESNAKE SPRINGS	210	.5	.0	3.9	4.32	4.32	1.8	1.4	.0	.62	.0	.0	.0	.7	1.0	2.6	16.3	16.8
3	LOWER SNIVELY	323	1.0	.0	4.2	4.62	4.62	3.3	1.7	.0	.52	.0	.0	.0	1.2	1.4	3.8	19.3	21.0
4	UPPER SNIVELY	533	1.3	.0	4.2	4.92	4.92	4.3	2.12	.0	.42	.0	.0	.0	2.6	1.6	4.1	21.6	24.8
5	BENSON RANCH	189	.5	.0	3.7	4.52	4.52	2.0	2.2	.0	.6	.0	.0	.0	.7	1.1	2.72	17.3	18.3
6	UPPER BENSON	244	.5	.0	4.3	4.62	4.62	2.4	2.4	.0	.9	.9	.0	.0	.9	1.1	3.3	18.9	21.2
7	ALLOUVIAL FAN	347	.5	.0	4.3	4.72	4.72	3.9	3.2	.0	.5	.6	.0	.0	1.5	1.5	4.3	21.3	24.9
7A	LOWER LARK SPUR	488	.52	.0	4.6	4.32	4.32	4.5	3.22	.0	.22	.9	.0	.0	1.5	1.52	4.3	21.4	24.7
8	LARK SPUR	588	.5	.0	5.0	5.02	5.02	5.5	3.4	.0	.52	.4	.0	.0	1.8	1.8	4.4	24.3	27.7
9	BENSON BASIN	734	.6	.0	5.4	5.52	5.52	5.2	3.6	.0	.42	1.8	.0	.0	1.8	1.9	4.7	25.9	30.5
10	ANDERSON RIM	884	1.2	.0	5.2	5.62	5.62	5.0	3.0	.0	.42	.9	.0	.0	2.0	1.6	4.5	25.5	28.7
11	ANDERSON FIELD	939	1.0	.0	3.3	4.42	4.42	4.2	2.7	.0	.42	.9	.0	.0	1.7	1.7	2.5	19.9	22.9
12	HOPSAGE	158	.4	.0	4.1	4.72	4.72	2.6	3.2	.0	.6	.9	.0	.0	.8	.7	2.3	19.3	20.5
13	TELEMETER	366	.6	.0	4.1	5.52	5.52	5.7	2.2	.0	.3	.0	.0	.0	1.6	2.3	5.2	23.6	27.9
14	RATTLESNAKE CREST NE	1020	1.0	.0	3.6	5.02	5.02	4.4	3.0	.0	.32	.1	.0	.1	1.2	1.3	2.0	22.1	23.0
15	RATTLESNAKE CREST	1079	.6	.0	3.0	4.02	4.02	3.1	1.2	.0	.32	.0	.0	.0	.9	1.3	1.3	15.9	16.2
16	RATTLESNAKE CREST SW	1067	.5	.0	2.8	3.72	3.72	3.2	1.7	.0	.32	.0	.0	.0	.8	1.3	1.3	15.5	16.1
17	WINTERFAT	206	.8	.0	3.9	4.42	4.42	3.9	3.3	.0	.8	.1	.0	.0	.6	1.3	4.2	20.6	22.9
18	CALOCHORTUS	381	.82	.0	4.2	5.52	5.52	5.6	3.4	.0	.42	.0	.0	.0	1.5	2.1	5.2	25.0	29.2
19	BEETLE PLOT 7	354	.9	.0	3.5	5.02	5.02	4.8	2.3	.0	.32	.1	.0	.0	1.4	1.7	3.3	21.5	25.9
20	LOWER COLD CREEK	134	.4	.0	3.6	5.02	5.02	3.6	2.7	.0	.4	.0	.0	.0	.5	1.3	3.4	20.2	21.8
21	BEETLE PLOT 3	192	.5	.0	3.6	4.52	4.52	3.8	2.5	.0	.8	.0	.0	.0	.6	1.2	3.5	19.5	21.4
22	BEETLE PLOT 4	286	.6	.0	3.4	5.52	5.52	4.4	2.3	.0	.6	.2	.0	.0	.9	1.3	3.6	21.7	24.2
23	L. R. C. (Y)	329	.6	.0	3.9	4.52	4.52	4.2	1.5	.0	.3	.0	.0	.0	.8	1.3	3.3	19.2	21.2
24	BEETLE PLOT 5	448	.9	.0	3.6	4.82	4.82	4.7	3.3	.0	.32	.0	.0	.0	.9	1.3	3.9	22.2	24.3
25	BEETLE PLOT 6	756	.9	.0	3.6	4.62	4.62	4.3	3.2	.0	.32	.0	.0	.1	1.1	1.3	2.7	21.2	23.3

*** 1 INDICATES MISSING DATA, 2 INDICATES ESTIMATED DATA.

ARID LANDS ECOLOGY RESERVE -- MONTHLY MAXIMUM TEMPERATURES (CENTIGRADE)

1967-1968

STA- TION	STATION NAME	ELEV. M	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
---	-----	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1	UPPER COLD CREEK	204	*****	*****	*****	*****	*****	25.0	32.0	36.5	44.5	43.0	39.0	39.0	33.0	19.5	16.5
2	RATTLESNAKE SPRINGS	210	*****	*****	*****	*****	*****	23.5	32.0	35.5	43.0	46.5	39.0	38.5	33.0	18.0	15.5
3	LOWER SNIVELY	323	*****	*****	*****	*****	*****	21.0	30.0	34.5	42.0	45.5	38.0	36.5	31.0	16.5	13.5
4	UPPER SNIVELY	533	*****	*****	*****	*****	*****	20.0	28.0	33.0	40.0	44.5	38.0	36.5	31.0	15.0	12.0
5	BENSON RANCH	189	*****	*****	*****	*****	*****	25.5	33.5	37.0	44.5	44.5	40.5	39.5	33.5	18.0	15.5
6	UPPER BENSON	244	*****	*****	*****	*****	*****	24.5	33.0	36.0	43.5	41.0	40.0	38.5	32.0	18.0	15.5
7	ALLUVIAL FAN	347	*****	*****	*****	*****	*****	19.0	31.0	35.0	42.0	44.5	38.0	38.0	31.0	16.5	14.0
7A	LOWER LARK SPUR	488	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
8	LARK SPUR	588	*****	*****	*****	*****	*****	21.5	29.0	33.5	40.0	38.0	35.5	36.0	30.5	14.5	11.0
9	BENSON BASIN	734	*****	*****	*****	*****	*****	20.0	26.5	31.5	39.0	36.5	35.5	34.5	29.0	13.5	10.5
10	ANDERSON RIM	884	*****	*****	*****	*****	*****	19.0	25.5	31.0	38.0	34.5	33.0	33.5	25.5	17.0	9.0
11	ANDERSON FIELD	939	*****	*****	*****	*****	*****	21.0	25.5	30.5	38.0	35.0	35.0	34.5	28.5	19.0	9.0
12	HOPSAGE	158	*****	*****	*****	*****	*****	24.5	32.0	36.5	44.0	42.0	40.5	39.5	33.0	18.5	16.5
13	TELEMETER	366	*****	*****	*****	*****	*****	23.5	31.0	34.5	42.0	43.5	39.0	38.0	31.0	16.5	12.0
14	RATTLESNAKE CREST NE	1020	*****	*****	*****	*****	*****	18.5	24.5	27.0	36.5	*****	30.5	30.0	24.5	18.0	8.0
15	RATTLESNAKE CREST	1079	*****	*****	*****	*****	*****	18.0	24.5	29.0	35.5	*****	33.0	31.0	25.5	16.5	8.0
16	RATTLESNAKE CREST SW	1067	*****	*****	*****	*****	*****	18.5	25.0	31.0	35.5	*****	33.5	33.0	26.5	10.5	8.5
17	WINTERFAT	206	*****	*****	*****	*****	*****	24.5	33.5	36.5	43.0	*****	39.0	38.5	31.0	18.0	15.5
18	CALUCHORTUS	381	*****	*****	*****	*****	*****	23.5	30.0	34.5	41.5	41.0	38.0	38.0	31.0	16.5	12.0
19	BEEBLE PLOT 7	954	*****	*****	*****	*****	*****	25.5	25.5	30.0	35.5	40.0	26.0	36.0	28.0	20.0	10.0
20	LOWER COLD CREEK	134	*****	*****	*****	*****	*****	25.0	32.0	36.5	43.0	43.5	39.5	38.5	31.0	19.0	16.5
21	BEEBLE PLOT 3	192	*****	*****	*****	*****	*****	28.0	33.5	36.5	45.5	48.0	34.0	40.0	32.0	19.0	16.5
22	BEEBLE PLOT 4	286	*****	*****	*****	*****	*****	25.5	31.5	36.5	44.5	47.0	33.5	39.0	31.5	19.0	15.5
23	E. R. C. (Y)	329	*****	*****	*****	*****	*****	24.5	32.0	35.5	42.0	41.5	40.0	38.0	31.0	16.5	15.5
24	BEEBLE PLOT 5	448	*****	*****	*****	*****	*****	23.5	30.5	35.5	43.5	45.5	36.5	36.5	30.0	16.5	13.5
25	BEEBLE PLOT 6	756	*****	*****	*****	*****	*****	20.0	28.0	32.0	38.0	41.0	34.0	34.5	26.0	14.5	9.5

ARID LANDS ECOLOGY RESERVE -- MONTHLY MAXIMUM TEMPERATURES (CENTIGRADE)

1968-1969

STA- TION	STATION NAME	ELEV. M	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
----	-----	----	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1	UPPER COLD CREEK	204	33.0	19.5	16.5	6.5	9.0	21.5	28.0	42.0	48.0	49.0	47.0	43.0	34.0	28.5	20.0
2	RATTLESNAKE SPRINGS	210	33.0	18.0	15.5	8.0	*****	21.0	28.5	39.0	43.0	43.5	41.5	38.0	29.5	24.0	17.0
3	LOWER SNIVELY	323	31.0	16.5	13.5	5.5	*****	20.0	26.5	38.0	44.0	44.0	43.0	38.0	31.0	24.0	17.0
4	UPPER SNIVELY	533	31.0	15.0	12.0	8.5	*****	20.5	24.0	35.5	41.5	41.5	40.5	38.0	29.5	24.0	17.0
5	BENSON RANCH	189	33.5	18.0	15.5	6.5	*****	22.0	28.5	42.0	48.0	48.0	46.5	41.5	34.0	28.0	19.5
6	UPPER BENSON	244	32.0	18.0	15.5	6.5	*****	22.0	30.0	39.0	43.0	44.0	41.5	39.0	30.5	25.0	18.5
7	ALLUVIAL FAN	347	31.0	16.5	14.0	5.0	*****	20.0	26.5	37.0	42.0	43.0	41.0	37.0	29.5	23.0	17.0
7A	LOWER LARK SPUR	488	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	13.0
8	LARK SPUR	588	30.5	14.5	11.0	9.0	*****	19.0	24.5	35.0	41.0	41.0	39.0	36.5	29.0	21.5	16.0
9	BENSON BASIN	734	29.0	13.5	10.5	8.0	*****	19.5	23.5	33.5	38.5	40.5	36.5	34.5	26.0	23.5	15.5
10	ANDERSON RIM	884	25.5	17.0	9.0	6.0	*****	18.0	21.0	31.0	36.5	37.0	35.5	34.0	24.5	23.0	16.5
11	ANDERSON FIELD	939	28.5	19.0	9.0	6.5	*****	18.5	21.0	31.5	38.0	39.0	38.0	36.0	26.5	24.0	18.5
12	HOPSAGE	158	33.0	18.5	16.5	7.0	9.5	25.0	30.0	39.5	*****	43.0	41.5	39.0	31.5	25.5	19.0
13	TELEMETER	366	31.0	16.5	12.0	6.5	8.0	21.0	26.0	38.5	41.0	43.5	40.5	38.5	30.5	23.0	16.5
14	RATTLESNAKE CREST NE	1020	24.5	18.0	8.0	6.5	*****	13.5	19.0	28.0	34.0	35.0	32.0	30.5	23.0	22.0	16.0
15	RATTLESNAKE CREST	1079	25.5	16.5	8.0	6.5	5.0	16.5	20.0	30.0	35.5	34.5	33.5	31.0	23.0	21.0	16.5
16	RATTLESNAKE CREST SW	1067	26.5	10.5	8.5	6.5	3.5	16.5	21.0	30.5	36.0	35.5	35.0	32.0	23.5	22.0	18.5
17	WINTERFAT	206	31.0	18.0	15.5	6.5	*****	24.5	29.0	39.0	43.0	42.0	41.0	39.5	38.0	25.0	18.0
18	CALOCHORTUS	381	31.0	16.5	12.0	8.0	9.0	20.0	26.5	37.0	42.0	42.0	40.0	38.0	30.5	24.0	17.0
19	BEEBLE PLOT 7	954	28.0	20.0	10.0	8.0	5.5	18.0	22.0	32.0	37.0	36.5	37.0	34.0	25.5	24.0	19.5
20	LOWER COLD CREEK	134	31.0	19.0	16.5	6.5	10.0	23.5	27.0	40.0	43.5	43.0	41.5	39.5	31.5	24.5	20.5
21	BEEBLE PLOT 3	192	32.0	19.0	16.5	6.5	10.5	24.5	28.0	40.0	44.5	44.5	43.5	41.0	32.0	25.5	18.5
22	BEEBLE PLOT 4	286	31.5	19.0	15.5	5.5	10.0	23.5	28.0	40.0	44.5	43.5	42.0	40.5	31.5	25.5	19.0
23	E. R. C. (Y)	329	31.0	16.5	15.5	6.5	9.5	22.0	26.5	36.5	41.0	42.0	39.5	36.5	28.5	22.0	16.5
24	BEEBLE PLOT 5	448	30.0	16.5	13.5	9.0	8.0	20.0	26.0	36.0	40.0	41.0	39.0	36.5	28.0	21.5	16.5
25	BEEBLE PLOT 6	756	26.0	14.5	9.5	6.5	5.5	18.5	23.5	33.5	38.0	38.0	36.5	34.0	25.0	23.5	15.5

ARID LANDS ECOLOGY RESERVE -- MONTHLY MAXIMUM TEMPERATURES (CENTIGRADE)

1969-1970

STA- TION	STATION NAME	ELEV. M	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	UPPER COLD CREEK	204	34.0	28.5	20.0	*****	14.5	21.0	24.0	40.5	49.0	50.0	49.0	45.5	35.5	20.0	16.0
2	RATTLESNAKE SPRINGS	210	29.5	24.0	17.0	*****	13.5	20.0	22.0	36.5	43.5	44.5	45.0	42.0	32.0	18.5	14.0
3	LOWER SNIVELY	323	31.0	24.0	17.0	*****	13.5	19.0	21.5	36.5	42.0	44.5	44.5	41.0	31.5	16.5	14.5
4	UPPER SNIVELY	533	29.5	24.0	17.0	*****	12.0	20.0	21.0	34.0	40.5	41.5	42.0	40.0	30.0	14.5	13.0
5	BENSON RANCH	189	34.0	28.0	19.5	*****	15.0	21.0	24.5	38.0	46.0	47.0	47.0	44.0	34.0	20.0	17.0
6	UPPER BENSON	244	30.5	25.0	18.5	*****	15.0	21.0	24.0	38.0	45.0	44.5	45.5	43.0	33.5	19.0	15.5
7	ALLUVIAL FAN	347	29.5	23.0	17.0	*****	13.5	19.0	22.0	35.5	43.0	44.0	44.0	41.5	32.0	18.0	14.5
7A	LOWER LARK SPUR	488	*****	*****	13.0	*****	11.5	18.5	21.0	34.5	42.0	43.5	43.5	40.5	30.0	14.5	12.0
8	LARK SPUR	588	29.0	21.5	16.0	*****	11.0	17.0	20.0	34.5	41.5	41.5	42.0	39.5	29.5	14.0	11.5
9	BENSON BASIN	734	26.0	23.5	15.5	*****	9.0	17.0	19.5	32.0	38.5	39.5	40.0	36.5	30.0	11.5	10.0
10	ANDERSON RIM	884	24.5	23.0	16.5	*****	6.0	14.0	17.0	30.5	38.0	38.5	39.0	35.5	30.0	13.0	8.0
11	ANDERSON FIELD	939	26.5	24.0	18.5	*****	9.0	16.0	18.0	29.5	39.5	41.0	40.0	36.0	31.0	15.5	*****
12	HOPSAGE	158	31.5	25.5	19.0	*****	15.5	20.5	25.0	36.5	44.0	45.0	45.5	43.0	34.0	20.0	16.0
13	TELEMETER	366	30.5	23.0	16.5	*****	12.0	18.5	22.0	35.0	41.5	43.0	43.0	39.5	31.5	15.5	14.5
14	RATTLESNAKE CREST NE	1020	23.0	22.0	16.0	*****	5.0	11.5	15.0	26.5	34.0	35.0	36.0	33.5	26.0	11.5	*****
15	RATTLESNAKE CREST	1079	23.0	21.0	16.5	*****	5.0	12.0	15.5	28.5	36.5	37.0	37.0	34.5	28.0	11.5	6.5
16	RATTLESNAKE CREST SW	1067	23.5	22.0	18.5	*****	5.5	13.5	16.0	29.0	38.0	38.0	38.0	35.0	30.0	14.0	7.0
17	WINTERFAT	206	38.0	25.0	18.0	*****	14.5	20.0	24.0	36.0	43.5	44.5	44.5	41.5	33.5	19.0	14.5
18	CALOCHORTUS	381	30.5	24.0	17.0	*****	12.0	19.0	22.0	35.5	43.0	44.0	45.5	41.0	31.5	15.0	14.5
19	BEEBLE PLOT 7	954	25.5	24.0	19.5	*****	9.0	15.5	20.0	30.5	38.0	39.5	39.5	36.5	30.0	15.0	10.0
20	LOWER COLD CREEK	134	31.5	24.5	20.5	*****	14.5	19.5	23.5	36.5	44.0	45.0	45.0	42.0	35.0	19.0	15.0
21	BEEBLE PLOT 3	192	32.0	25.5	18.5	*****	14.5	20.0	26.0	39.0	45.0	46.0	46.0	43.5	35.0	19.0	14.5
22	BEEBLE PLOT 4	286	31.5	25.5	19.0	*****	15.0	20.0	25.0	38.5	45.0	46.5	46.0	43.5	34.5	19.5	14.0
23	E. R. C. (Y)	329	28.5	22.0	16.5	*****	13.0	18.5	22.0	35.5	42.0	43.5	43.5	40.0	32.0	15.5	12.0
24	BEEBLE PLOT 5	448	28.0	21.5	16.5	*****	11.0	17.0	21.0	34.5	41.0	43.0	43.0	39.5	31.0	14.5	12.0
25	BEEBLE PLOT 6	756	25.0	23.5	15.5	*****	9.5	15.0	19.0	31.5	39.5	40.5	40.0	36.5	29.5	14.0	11.0

ARID LANDS ECOLOGY RESERVE -- MONTHLY MINIMUM TEMPERATURES (CENTIGRADE)

1967-1968

STA- TION	STATION NAME	ELEV. M	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	UPPER COLD CREEK	204	*****	*****	*****	*****	*****	-8.0	-9.0	-4.0	2.0	6.0	7.0	2.0	-3.0	-5.0	-7.0
2	RATTLESNAKE SPRINGS	210	*****	*****	*****	*****	*****	-5.0	-7.0	.0	2.0	6.0	9.5	4.0	.0	-3.0	-5.0
3	LOWER SNIVELY	323	*****	*****	*****	*****	*****	-1.0	-3.0	1.0	4.0	6.5	10.0	4.0	2.0	-1.0	-7.0
4	UPPER SNIVELY	533	*****	*****	*****	*****	*****	-3.0	-6.0	-1.0	2.0	5.0	9.0	3.5	.0	-2.0	-8.0
5	BENSON RANCH	189	*****	*****	*****	*****	*****	-9.0	-11.0	-4.0	-1.0	1.5	6.5	1.0	-3.0	-5.0	-7.0
6	UPPER BENSON	244	*****	*****	*****	*****	*****	-5.0	-6.0	1.0	4.0	7.0	10.0	5.0	.5	-2.0	-4.0
7	ALLUVIAL FAN	347	*****	*****	*****	*****	*****	-1.0	-5.0	2.0	4.5	9.0	10.5	6.5	2.0	.0	-6.0
7A	LOWER LARK SPUR	488	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
8	LARK SPUR	588	*****	*****	*****	*****	*****	-4.0	-5.0	-1.0	4.0	5.5	8.0	4.5	.0	-4.0	-9.0
9	BENSON BASIN	734	*****	*****	*****	*****	*****	-6.0	-9.0	-3.0	3.0	3.5	8.0	3.5	.0	-4.0	-7.0
10	ANDERSON RIM	884	*****	*****	*****	*****	*****	-6.0	-11.0	-5.0	.0	1.0	5.5	.0	-3.0	-6.0	-9.0
11	ANDERSON FIELD	939	*****	*****	*****	*****	*****	-6.0	-9.0	-5.0	1.0	2.0	4.5	1.0	-1.0	-3.0	-9.0
12	HOPSAGE	158	*****	*****	*****	*****	*****	-8.0	-9.0	-3.0	.0	5.5	8.5	1.0	-4.0	-7.0	-9.0
13	TELEMETER	366	*****	*****	*****	*****	*****	-3.0	-4.0	1.0	4.5	8.0	9.0	4.5	1.0	-1.0	-5.0
14	RATTLESNAKE CREST NE	1020	*****	*****	*****	*****	*****	-6.0	-6.0	-4.0	1.0	*****	6.5	3.5	.0	-3.0	-8.0
15	RATTLESNAKE CREST	1079	*****	*****	*****	*****	*****	-4.0	-7.0	-5.0	1.0	*****	6.5	2.0	.0	-3.0	-9.0
16	RATTLESNAKE CREST SW	1067	*****	*****	*****	*****	*****	-5.0	-7.0	-5.0	1.0	*****	5.5	2.0	.0	-3.0	-9.0
17	WINTERFAT	206	*****	*****	*****	*****	*****	-3.0	-6.0	1.0	4.5	*****	10.0	4.5	1.0	-3.0	-6.0
18	CALOCHORTUS	381	*****	*****	*****	*****	*****	-4.0	-4.0	1.0	4.5	6.0	9.0	4.0	.5	-2.0	-5.0
19	BEEBLE PLOT 7	954	*****	*****	*****	*****	*****	-5.0	-8.0	-3.0	3.5	4.5	5.5	4.0	.0	-2.0	-7.0
20	LOWER COLD CREEK	134	*****	*****	*****	*****	*****	-8.0	-10.0	-3.0	2.0	4.5	11.0	3.5	-4.0	-7.0	-8.0
21	BEEBLE PLOT 3	192	*****	*****	*****	*****	*****	-5.0	-5.0	-1.0	3.5	4.5	10.0	4.5	-1.0	-4.0	-5.0
22	BEEBLE PLOT 4	286	*****	*****	*****	*****	*****	-4.0	-6.0	.0	4.5	4.5	9.0	4.0	.0	-4.0	-6.0
23	E. R. C. (Y)	329	*****	*****	*****	*****	*****	-4.0	-5.0	.0	2.0	4.5	9.0	4.5	.0	-2.0	-6.0
24	BEEBLE PLOT 5	448	*****	*****	*****	*****	*****	-1.0	-4.0	.0	4.5	6.5	10.0	4.5	1.0	-1.0	-5.0
25	BEEBLE PLOT 6	756	*****	*****	*****	*****	*****	-3.0	-6.0	-2.0	2.0	6.5	8.0	5.0	2.0	.0	-6.0

ARID LANDS ECOLOGY RESERVE -- MONTHLY MINIMUM TEMPERATURES (CENTIGRADE)

1968-1969

STA- TION	STATION NAME	ELEV. M	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	UPPER COLD CREEK	204	-3.0	-5.0	-7.0	-26.0	-21.0	-8.0	-4.0	.5	5.0	6.5	4.0	-1.0	3.0	-12.0	-11.0
2	RATTLESNAKE SPRINGS	210	.0	-3.0	-5.0	-26.0	*****	-18.0	-2.0	2.0	6.5	8.0	5.5	4.0	4.5	-5.0	-7.0
3	LOWER SNIVELY	323	2.0	-1.0	-7.0	-26.0	*****	-14.0	-1.0	3.0	8.0	10.5	8.5	8.0	8.0	-4.0	-6.0
4	UPPER SNIVELY	533	.0	-2.0	-8.0	-27.0	*****	-17.0	-2.0	1.5	5.5	6.0	5.5	1.5	6.0	-8.0	-9.0
5	BENSON RANCH	189	-3.0	-5.0	-7.0	-26.0	*****	-15.0	-7.0	-1.0	4.0	4.5	1.0	-2.0	1.0	-13.0	-13.0
6	UPPER BENSON	244	.5	-2.0	-4.0	-24.0	*****	-12.0	.0	4.5	7.0	11.0	8.5	6.0	6.5	-4.0	-6.0
7	ALLUVIAL FAN	347	2.0	.0	-6.0	-24.0	*****	-13.0	.5	4.5	6.5	9.5	7.0	8.0	9.0	-5.0	-7.0
7A	LOWER LARK SPUR	488	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	-6.0
8	LARK SPUR	588	.0	-4.0	-9.0	-28.0	*****	-21.0	-2.0	2.0	5.0	8.0	8.5	4.5	6.5	-4.0	-8.0
9	BENSON BASIN	734	.0	-4.0	-7.0	-28.0	*****	-19.0	-1.0	2.0	6.0	6.5	7.0	4.0	5.5	-6.0	-7.0
10	ANDERSON RIM	884	-3.0	-6.0	-9.0	-29.0	*****	-18.0	-4.0	-1.0	3.0	4.0	4.0	-1.0	3.0	-9.0	-11.0
11	ANDERSON FIELD	939	-1.0	-3.0	-9.0	-28.0	*****	-15.0	-2.0	.5	3.0	5.0	4.5	3.5	3.0	-5.0	-9.0
12	HOPSAGE	158	-4.0	-7.0	-9.0	-26.0	-24.0	-8.0	-5.0	.0	5.0	8.0	4.0	.0	3.0	-9.0	-11.0
13	TELEMETER	366	1.0	-1.0	-5.0	-24.0	-14.0	-6.0	-1.0	4.5	6.0	10.5	7.0	6.0	6.5	-3.0	-6.0
14	RATTLESNAKE CREST NE	1020	.0	-3.0	-8.0	-27.0	*****	-17.0	-3.0	.0	3.5	5.0	5.5	4.0	2.0	-4.0	-8.0
15	RATTLESNAKE CREST	1079	.0	-3.0	-9.0	-29.0	-18.0	-8.0	-3.0	.0	4.0	5.0	5.0	4.0	1.5	-5.0	-9.0
16	RATTLESNAKE CREST SW	1067	.0	-3.0	-9.0	-29.0	-17.0	-8.0	-3.0	.0	4.5	5.0	4.5	4.0	1.5	-5.0	-9.0
17	WINTERFAT	206	1.0	-3.0	-6.0	-23.0	*****	-15.0	-1.0	3.0	6.0	10.0	8.0	7.0	5.0	-4.0	-7.0
18	CALOCHORTUS	381	.5	-2.0	-5.0	-24.0	-16.0	-5.0	-1.0	5.0	6.0	10.0	7.0	4.0	8.0	-3.0	-7.0
19	BEETLE PLOT 7	954	.0	-2.0	-7.0	-26.0	-16.0	-7.0	-3.0	.5	4.0	3.5	3.5	.5	3.0	-3.0	-9.0
20	LOWER COLD CREEK	134	-4.0	-7.0	-8.0	-26.0	-21.0	-8.0	-6.0	-2.0	4.5	5.5	3.5	.0	2.0	-11.0	-12.0
21	BEETLE PLOT 3	192	-1.0	-4.0	-5.0	-23.0	-17.0	-7.0	-1.0	1.0	8.5	8.5	9.0	4.0	6.0	-7.0	-7.0
22	BEETLE PLOT 4	286	.0	-4.0	-6.0	-24.0	-17.0	-6.0	-1.0	.5	6.5	7.0	6.5	3.0	6.0	-7.0	-7.0
23	E. R. C. (Y)	329	.0	-2.0	-6.0	-24.0	-19.0	-7.0	-2.0	1.5	6.5	4.5	7.0	3.5	4.0	-6.0	-7.0
24	BEETLE PLOT 5	448	1.0	-1.0	-5.0	-25.0	-15.0	-6.0	-1.0	4.0	6.5	9.5	8.5	6.0	7.0	-2.0	-5.0
25	BEETLE PLOT 6	756	2.0	.0	-6.0	-25.0	-16.0	-4.0	.5	4.0	7.0	8.0	10.0	6.5	6.0	-1.0	-6.0

ARID LANDS ECOLOGY RESERVE -- MONTHLY MINIMUM TEMPERATURES (CENTIGRADE)

1969-1970

STA- TION	STATION NAME	ELEV. M	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	UPPER COLD CREEK	204	3.0	-12.0	-11.0	*****	-16.0	-9.0	-6.0	-7.0	6.5	9.5	6.5	-3.0	-9.0	-11.0	-16.0
2	RATTLESNAKE SPRINGS	210	4.5	-5.0	-7.0	*****	-12.0	-6.0	-2.0	-3.0	4.5	10.0	8.0	1.0	-6.0	-5.0	-14.0
3	LOWER SNIVELY	323	8.0	-4.0	-6.0	*****	-7.0	-2.0	.0	-1.0	6.5	11.5	10.0	1.0	-2.0	.0	-13.0
4	UPPER SNIVELY	533	6.0	-8.0	-9.0	*****	-12.0	-6.0	-3.0	-4.0	4.5	6.5	6.0	.5	-5.0	-2.0	-14.0
5	BENSON RANCH	189	1.0	-13.0	-13.0	*****	-15.0	-9.0	-6.0	-10.0	-1.0	5.5	3.0	-5.0	-12.0	-12.0	-18.0
6	UPPER BENSON	244	6.5	-4.0	-6.0	*****	-7.0	-3.0	.0	-1.0	8.5	12.0	11.0	3.0	-3.0	-3.0	-12.0
7	ALLUVIAL FAN	347	9.0	-5.0	-7.0	*****	-7.0	-3.0	.0	-1.0	6.5	9.5	11.0	1.0	-3.0	-1.0	-13.0
7A	LOWER LARK SPUR	488	*****	*****	-6.0	*****	-9.0	-8.0	1.5	.0	8.0	8.5	11.5	3.0	-2.0	1.0	-11.0
8	LARK SPUR	588	6.5	-4.0	-8.0	*****	-12.0	-6.0	.0	-2.0	5.0	8.0	9.5	1.0	-5.0	-1.0	-13.0
9	BENSON BASIN	734	5.5	-6.0	-7.0	*****	-12.0	-6.0	-2.0	-4.0	5.5	6.5	8.5	.5	-3.0	-2.0	-13.0
10	ANDERSON RIM	884	3.0	-9.0	-11.0	*****	-16.0	-8.0	-3.0	-8.0	3.0	3.0	4.5	-1.0	-6.0	-4.0	-15.0
11	ANDERSON FIELD	939	3.0	-5.0	-9.0	*****	-12.0	-8.0	-1.0	-5.0	1.0	3.0	6.0	-1.0	-4.0	-2.0	*****
12	HOPSAGE	158	3.0	-9.0	-11.0	*****	-14.0	-7.0	-4.0	-7.0	1.0	6.5	5.5	-3.0	-11.0	-10.0	-17.0
13	TELEMETER	366	6.5	-3.0	-6.0	*****	-8.0	-4.0	.0	-1.0	6.5	13.0	11.0	2.0	-4.0	-2.0	-13.0
14	RATTLESNAKE CREST NE	1020	2.0	-4.0	-8.0	*****	-13.0	-8.0	-2.0	-5.0	2.0	3.5	6.5	-2.0	-2.0	-2.0	*****
15	RATTLESNAKE CREST	1079	1.5	-5.0	-9.0	*****	-13.0	-9.0	-3.0	-6.0	2.0	3.0	8.0	-2.0	-3.0	-3.0	-16.0
16	RATTLESNAKE CREST SW	1067	1.5	-5.0	-9.0	*****	-14.0	-9.0	-3.0	-6.0	2.0	3.0	6.0	-2.0	-4.0	-3.0	-16.0
17	WINTERFAT	206	5.0	-4.0	-7.0	*****	-11.0	-4.0	-1.0	-2.0	5.0	11.0	10.0	1.0	-4.0	-4.0	-13.0
18	CALUCHORTUS	381	8.0	-3.0	-7.0	*****	-9.0	-4.0	-1.0	-2.0	4.5	10.0	10.0	3.0	-4.0	-2.0	-13.0
19	BEEBLE PLOT 7	954	3.0	-3.0	-9.0	*****	-14.0	-7.0	-1.0	-4.0	3.5	4.0	4.5	-1.0	-9.0	-4.0	-14.0
20	LOWER COLD CREEK	134	2.0	-11.0	-12.0	*****	-13.0	-8.0	-4.0	-9.0	2.0	6.0	5.5	-4.0	-11.0	-12.0	-18.0
21	BEEBLE PLOT 3	192	6.0	-7.0	-7.0	*****	-10.0	-6.0	-1.0	-4.0	5.5	8.5	10.0	.0	-5.0	-6.0	-13.0
22	BEEBLE PLOT 4	286	6.0	-7.0	-7.0	*****	-11.0	-5.0	-2.0	-6.0	3.0	5.5	8.0	.0	-7.0	-5.0	-15.0
23	E. R. C. (Y)	329	4.0	-6.0	-7.0	*****	-10.0	-4.0	-2.0	-4.0	3.5	8.0	8.5	1.0	-6.0	-5.0	-15.0
24	BEEBLE PLOT 5	448	7.0	-2.0	-5.0	*****	-9.0	-3.0	-1.0	-1.0	6.5	8.5	10.0	3.5	-2.0	-2.0	-12.0
25	BEEBLE PLOT 6	756	6.0	-1.0	-6.0	*****	-10.0	-4.0	1.0	-2.0	7.0	7.0	10.5	1.5	.0	.0	-11.0

METRIC SYSTEM DATA TABULATION

ARRANGED BY ELEVATION

ARID LANDS ECOLOGY RESERVE -- MONTHLY PRECIPITATION (CENTIMETERS)

1968-1969

STA- TION	STATION NAME	ELEV. M	MONTHS												TOTAL		TOTAL OCT-MAY	TOTAL JAN-DEC		
			OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV			DEC	
20	LOWER COLD CREEK	134	2.8	4.0	3.5?	3.5?	3.5?	1.2	2.9	.7	2.0?	.0	.0	1.2	.4	.0	3.6	22.3	19.1	
12	HOPSAGE	158	2.2	3.4	2.8?	2.8?	2.8?	.2	2.4	1.0	1.9?	.0	.0	1.3	.4	.0	4.1	17.6	16.9	
5	BENSON RANCH	189	2.5	3.6	2.7?	2.7?	2.7?	.2	2.1	1.2?	1.2?	.0	.0	1.3	.5	.0	3.7	17.7	15.6	
21	BEETLE PLOT 3	192	2.9	4.7	2.7?	2.7?	2.7?	1.4	3.1	.7	2.3?	.0	.0	1.6	.5	.0	3.6	21.0	18.6	
1	UPPER COLD CREEK	204	2.4	3.3	2.6?	2.6?	2.6?	.5	1.8	1.2	.4?	.0	.0	.8	.6	.0	3.6	17.0	14.1	
17	WINTERFAT	206	3.0	4.7	2.6?	2.6?	2.6?	.3	1.4?	.9	1.1?	.0	.0	1.4	.8	.0	3.9	18.1	15.0	
2	RATTLESNAKE SPRINGS	210	2.5	3.8	2.6?	2.6?	2.6?	.4	2.3	1.3	.4	.0	.0	.8	.5	.0	3.9	18.0	14.8	
5	UPPER BENSON	244	2.5	3.8	2.6?	2.6?	2.6?	.0	2.1	1.2?	1.0?	.0	.0	1.5	.5	.0	4.3	17.4	15.9	
22	BEETLE PLOT 4	286	3.3	4.8	2.7?	2.7?	2.7?	1.8	2.8	.9	2.0?	.0	.0	1.8	.6	.0	3.4	21.7	18.7	
3	LOWER SNIVELY	323	3.4	4.6	2.9?	2.9?	2.9?	.3	3.0	1.6	.9	.0	.0	1.1?	1.0	.0	4.2	21.7	17.9	
23	E. R. C. (Y)	329	3.4	4.9	2.8?	2.8?	2.8?	2.3	2.8	1.1	2.3?	.0	.0	1.7	.6	.0	3.9	23.1	20.4	
7	ALLUVIAL FAN	347	3.1	4.5	2.8?	2.8?	2.8?	.1	2.8	1.3	.7	.0	.0	2.1	.5	.0	4.3	20.2	17.4	
13	TELEMETER	366	3.4	5.1	3.1?	3.1?	3.1?	.3	3.2	1.3	1.4?	.0	.0	2.2	.6	.0	4.1	22.7	19.4	
18	CALOCHORTUS	381	3.1	5.0	3.1?	3.1?	3.1?	1.6	3.3	1.5	2.1?	.0	.0	1.5	.8	.0	4.2	23.8	21.4	
24	BEETLE PLOT 5	448	3.8	4.9	2.9?	2.9?	2.9?	2.2	2.9	1.6	2.4?	.0	.0	3.0	.9	.0	3.6	24.0	22.3	
7A	LOWER LARK SPUR	488	****	****	****	****	****	****	****	****	****	****	****	****	****	.5?	.0	4.6	.0	5.1
4	UPPER SNIVELY	533	3.7	5.1?	3.4?	3.4?	3.4?	.4	3.8	2.0	1.4	.0	.0	1.8	1.3	.0	4.2	25.1	21.7	
6	LARK SPUR	588	3.6	5.5	3.5?	3.5?	3.5?	.1	3.2	1.3	1.2	.0	.0	2.6	.5	.0	5.0	24.1	20.9	
9	BENSON BASIN	734	4.5	5.9	3.7?	3.7?	3.7?	.3	3.7	1.9	1.3	.0	.0	3.1	.6	.0	5.4	27.3	23.7	
25	BEETLE PLOT 6	756	4.6	4.3	2.8?	2.8?	2.8?	1.6	3.3	1.6	2.9?	.0	.0	2.1	.9	.0	3.6	23.8	21.8	
10	ANDERSON RIM	884	6.1	6.0	3.7?	3.7?	3.7?	.5	3.7	2.1	1.5	.0	.0	3.3	1.2	.0	5.2	29.5	25.0	
11	ANDERSON FIELD	939	3.9	5.7	3.0?	3.0?	3.0?	.3	3.5	1.9	1.3?	.0	.0	2.9	1.0	.0	3.3	24.4	20.3	
12	BEETLE PLOT 7	954	4.3	5.4	2.9?	2.9?	2.9?	.9	4.0	2.0	2.2	.0	.0	2.8	.9	.0	3.5	25.2	21.9	
14	RATTLESNAKE CREST NE	1020	3.9	5.4	3.0?	3.0?	3.0?	.3	3.8	1.4	2.1	.0	.0	2.7	1.0	.0	3.6	23.7	20.7	
15	RATTLESNAKE CREST SW	1067	3.1	4.6	3.6?	3.6?	3.6?	1.8	2.9	1.6	2.3	.0	.0	1.9	.5	.0	2.8	20.0	21.1	
16	RATTLESNAKE CREST	1079	****	****	****	****	****	****	****	****	****	****	****	****	****	.6	.0	3.0	.0	3.7

*** INDICATES MISSING DATA, ? INDICATES ESTIMATED DATA.

ARID LANDS ECOLOGY RESERVE -- MONTHLY PRECIPITATION (CENTIMETERS)

1969-1970

STATION	STATION NAME	ELEV. M	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL OCT-MAY	TOTAL JAN-DEC
			---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	-----	-----
20	LOWER COLD CREEK	134	.4	.0	3.6	5.0?	5.0?	3.6	2.7	.0	.4	.0	.0	.0	.5	1.3	3.4	20.2	21.8
12	HOPSAGE	158	.4	.0	4.1	4.7?	4.7?	2.6	3.2	.0	.6	.9	.0	.0	.8	.7	2.3	19.8	20.5
5	BENSON RANCH	189	.5	.0	3.7	4.5?	4.5?	2.0	2.2	.0	.6	.0	.0	.0	.7	1.1	2.7?	17.3	18.3
21	BEETLE PLOT 3	192	.5	.0	3.6	4.5?	4.5?	3.8	2.5	.0	.8	.0	.0	.0	.6	1.2	3.5	19.5	21.4
1	UPPER COLD CREEK	204	.6	.0	3.6	3.7?	3.7?	1.9	1.9	.0	.6?	.0	.0	.0	.6	1.0	2.8	15.5	16.4
17	WINTERFAT	206	.8	.0	3.9	4.4?	4.4?	3.9	3.3	.0	.8	.1	.0	.0	.6	1.3	4.2	20.6	22.9
2	RATTLESNAKE SPRINGS	210	.5	.0	3.9	4.3?	4.3?	1.8	1.4	.0	.6?	.0	.0	.0	.7	1.0	2.6	16.3	16.8
6	UPPER BENSON	244	.5	.0	4.3	4.6?	4.6?	2.4	2.4	.0	.9	.9	.0	.0	.9	1.1	3.3	18.9	21.2
22	BEETLE PLOT 4	286	.6	.0	3.4	5.5?	5.5?	4.4	2.3	.0	.6	.2	.0	.0	.9	1.3	3.6	21.7	24.2
3	LOWER SNIVELY	323	1.0	.0	4.2	4.6?	4.6?	3.3	1.7	.0	.5?	.0	.0	.0	1.2	1.4	3.8	19.3	21.0
23	E. R. C. (Y)	329	.6	.0	3.9	4.5?	4.5?	4.2	1.5	.0	.3	.0	.0	.0	.8	1.6	3.8	19.2	21.2
7	ALLUVIAL FAN	347	.5	.0	4.3	4.7?	4.7?	3.9	3.2	.0	.5	.6	.0	.0	1.5	1.5	4.3	21.3	24.9
13	TELEMETER	366	.6	.0	4.1	5.5?	5.5?	5.7	2.2	.0	.3	.0	.0	.0	1.6	2.0	5.2	20.6	27.9
18	CALOCHORTUS	381	.8?	.0	4.2	5.5?	5.5?	5.6	3.4	.0	.4?	.0	.0	.0	1.5	2.1	5.2	25.0	29.2
24	BEETLE PLOT 5	448	.9	.0	3.6	4.8?	4.8?	4.7	3.3	.0	.3?	.0	.0	.0	.9	1.5	3.9	22.2	24.3
7A	LOWER LARK SPUR	488	.5?	.0	4.6	4.3?	4.3?	4.5	3.2?	.0	.2?	.9	.0	.0	1.5	1.5?	4.3	21.4	24.7
4	UPPER SNIVELY	533	1.3	.0	4.2	4.9?	4.9?	4.3	2.1?	.0	.4?	.0	.0	.0	2.6	1.5	4.1	21.6	24.8
3	LARK SPUR	588	.5	.0	5.0	5.0?	5.0?	5.5	3.4	.0	.5?	.4	.0	.0	1.8	1.8	4.4	24.3	27.7
9	BENSON BASIN	734	.6	.0	5.4	5.5?	5.5?	5.2	3.6	.0	.4?	1.8	.0	.0	1.8	1.9	4.7	25.9	30.5
25	BEETLE PLOT 6	756	.9	.0	3.6	4.6?	4.6?	4.3	3.2	.0	.3?	.0	.0	.1	1.1	1.5	2.7	21.2	22.3
10	ANDERSON RIM	884	1.2	.0	5.2	5.6?	5.6?	5.0	3.0	.0	.4?	.9	.0	.0	2.0	1.6	4.5	25.5	28.7
11	ANDERSON FIELD	939	1.0	.0	3.3	4.4?	4.4?	4.2	2.7	.0	.4?	.9	.0	.0	1.7	1.7	2.5	19.9	22.9
12	BEETLE PLOT 7	954	.9	.0	3.5	5.0?	5.0?	4.8	2.3	.0	.3?	.1	.0	.0	1.4	1.7	3.3	21.5	23.9
14	RATTLESNAKE CREST NE	1020	1.0	.0	3.6	5.0?	5.0?	4.4	3.0	.0	.3?	.1	.0	.1	1.2	1.8	2.0	22.1	23.0
16	RATTLESNAKE CREST SW	1067	.5	.0	2.8	3.7?	3.7?	3.2	1.7	.0	.3?	.0	.0	.0	.8	1.5	1.3	15.5	16.1
15	RATTLESNAKE CREST	1079	.6	.0	3.0	4.0?	4.0?	3.1	1.2	.0	.3?	.0	.0	.0	.9	1.6	1.3	15.9	16.2

*** INDICATES MISSING DATA; ? INDICATES ESTIMATED DATA.

ARID LANDS ECOLOGY RESERVE -- MONTHLY MAXIMUM TEMPERATURES (CENTIGRADE)

1967-1968

STA- TION	STATION NAME	ELEV. M	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
---	-----	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
20	LOWER COLD CREEK	134	****	****	****	****	****	25.0	32.0	36.5	43.0	43.5	39.5	38.5	31.0	19.0	16.5
12	HOPSAGE	158	****	****	****	****	****	24.5	32.0	36.5	44.0	42.0	40.5	39.5	33.0	18.5	16.5
5	BENSON RANCH	189	****	****	****	****	****	25.5	33.5	37.0	44.5	44.5	40.5	39.5	33.5	18.0	15.5
21	BEETLE PLOT 3	192	****	****	****	****	****	28.0	33.5	36.5	45.5	48.0	34.0	40.0	32.0	19.0	16.5
1	UPPER COLD CREEK	204	****	****	****	****	****	25.0	32.0	36.5	44.5	43.0	39.0	39.0	33.0	19.5	16.5
17	WINTERFAT	206	****	****	****	****	****	24.5	33.5	36.5	43.0	****	39.0	38.5	31.0	18.0	15.5
2	RATTLESNAKE SPRINGS	210	****	****	****	****	****	23.5	32.0	35.5	43.0	46.5	39.0	38.5	33.0	18.0	15.5
6	UPPER BENSON	244	****	****	****	****	****	24.5	33.0	36.0	43.5	41.0	40.0	38.5	32.0	18.0	15.5
22	BEETLE PLOT 4	286	****	****	****	****	****	25.5	31.5	36.5	44.5	47.0	33.5	39.0	31.5	19.0	15.5
3	LOWER SNIVELY	323	****	****	****	****	****	21.0	30.0	34.5	42.0	45.5	38.0	36.5	31.0	16.5	13.5
23	E. R. C. (Y)	329	****	****	****	****	****	24.5	32.0	35.5	42.0	41.5	40.0	38.0	31.0	16.5	15.5
7	ALLUVIAL FAN	347	****	****	****	****	****	19.0	31.0	35.0	42.0	44.5	38.0	38.0	31.0	16.5	14.0
13	TELEMETER	366	****	****	****	****	****	23.5	31.0	34.5	42.0	43.5	39.0	38.0	31.0	16.5	12.0
18	CALOCHORTUS	381	****	****	****	****	****	23.5	30.0	34.5	41.5	41.0	38.0	38.0	31.0	16.5	12.0
24	BEETLE PLOT 5	448	****	****	****	****	****	23.5	30.5	35.5	43.5	45.5	36.5	36.5	30.0	16.5	13.5
7A	LOWER LARK SPUR	488	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
4	UPPER SNIVELY	533	****	****	****	****	****	20.0	28.0	33.0	40.0	44.5	38.0	36.5	31.0	15.0	12.0
8	LARK SPUR	588	****	****	****	****	****	21.5	29.0	33.5	40.0	38.0	35.5	36.0	30.5	14.5	11.0
9	BENSON BASIN	734	****	****	****	****	****	20.0	26.5	31.5	39.0	36.5	35.5	34.5	29.0	13.5	10.5
25	BEETLE PLOT 6	756	****	****	****	****	****	20.0	28.0	32.0	38.0	41.0	34.0	34.5	26.0	14.5	9.5
10	ANDERSON RIM	884	****	****	****	****	****	19.0	25.5	31.0	38.0	34.5	33.0	33.5	25.5	17.0	9.0
11	ANDERSON FIELD	939	****	****	****	****	****	21.0	25.5	30.5	38.0	35.0	35.0	34.5	28.5	19.0	9.0
19	BEETLE PLOT 7	954	****	****	****	****	****	25.5	25.5	30.0	35.5	40.0	26.0	36.0	28.0	20.0	10.0
14	RATTLESNAKE CREST NE	1020	****	****	****	****	****	18.5	24.5	27.0	36.5	****	30.5	30.0	24.5	18.0	8.0
16	RATTLESNAKE CREST SW	1067	****	****	****	****	****	18.5	25.0	31.0	35.5	****	33.5	33.0	26.5	10.5	8.5
15	RATTLESNAKE CREST	1079	****	****	****	****	****	18.0	24.5	29.0	35.5	****	33.0	31.0	25.5	16.5	8.0

ARID LANDS ECOLOGY RESERVE -- MONTHLY MAXIMUM TEMPERATURES (CENTIGRADE)

1968-1969

STATION	STATION NAME	ELEV. M															
			OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
20	LOWER COLD CREEK	134	31.0	19.0	16.5	6.5	10.0	23.5	27.0	40.0	43.5	43.0	41.5	39.5	31.5	24.5	20.5
12	HOPSAGE	158	33.0	18.5	16.5	7.0	9.5	25.0	30.0	39.5	****	43.0	41.5	39.0	31.5	25.5	19.0
5	BENSON RANCH	189	33.5	18.0	15.5	6.5	****	22.0	28.5	42.0	48.0	48.0	46.5	41.5	34.0	28.0	19.5
21	BEETLE PLOT 3	192	32.0	19.0	16.5	6.5	10.5	24.5	28.0	40.0	44.5	44.5	43.5	41.0	32.0	25.5	18.5
1	UPPER COLD CREEK	204	33.0	19.5	16.5	6.5	9.0	21.5	28.0	42.0	48.0	49.0	47.0	43.0	34.0	28.5	20.0
17	WINTERFAT	206	31.0	18.0	15.5	6.5	****	24.5	29.0	39.0	43.0	42.0	41.0	39.5	38.0	25.0	18.0
2	RATTLESNAKE SPRINGS	210	33.0	18.0	15.5	8.0	****	21.0	28.5	39.0	43.0	43.5	41.5	38.0	29.5	24.0	17.0
6	UPPER BENSON	244	32.0	18.0	15.5	6.5	****	22.0	30.0	39.0	43.0	44.0	41.5	39.0	30.5	25.0	18.5
22	BEETLE PLOT 4	286	31.5	19.0	15.5	5.5	10.0	23.5	28.0	40.0	44.5	43.5	42.0	40.5	31.5	25.5	19.0
3	LOWER SNIVELY	323	31.0	16.5	13.5	5.5	****	20.0	26.5	38.0	44.0	44.0	43.0	38.0	31.0	24.0	17.0
23	E. R. C. (Y)	329	31.0	16.5	15.5	6.5	9.5	22.0	26.5	36.5	41.0	42.0	39.5	36.5	28.5	22.0	16.5
7	ALLUVIAL FAN	347	31.0	16.5	14.0	5.0	****	20.0	26.5	37.0	42.0	43.0	41.0	37.0	29.5	23.0	17.0
13	TELEMETER	366	31.0	16.5	12.0	6.5	8.0	21.0	26.0	38.5	41.0	43.5	40.5	38.5	30.5	23.0	16.5
18	CALUCHORTUS	381	31.0	16.5	12.0	8.0	9.0	20.0	26.5	37.0	42.0	42.0	40.0	38.0	30.5	24.0	17.0
24	BEETLE PLOT 5	448	30.0	16.5	13.5	9.0	8.0	20.0	26.0	36.0	40.0	41.0	39.0	36.5	28.0	21.5	16.5
7A	LOWER LARK SPUR	488	****	****	****	****	****	****	****	****	****	****	****	****	****	****	13.0
4	UPPER SNIVELY	533	31.0	15.0	12.0	8.5	****	20.5	24.0	35.5	41.5	41.5	40.5	38.0	29.5	24.0	17.0
8	LARK SPUR	588	30.5	14.5	11.0	9.0	****	19.0	24.5	35.0	41.0	41.0	39.0	36.5	29.0	21.5	16.0
9	BENSON BASIN	734	29.0	13.5	10.5	8.0	****	19.5	23.5	33.5	38.5	40.5	36.5	34.5	26.0	23.5	15.5
25	BEETLE PLOT 6	756	26.0	14.5	9.5	6.5	5.5	18.5	23.5	33.5	38.0	38.0	36.5	34.0	25.0	23.5	15.5
10	ANDERSON RIM	884	25.5	17.0	9.0	6.0	****	18.0	21.0	31.0	36.5	37.0	35.5	34.0	24.5	23.0	16.5
11	ANDERSON FIELD	939	28.5	19.0	9.0	6.5	****	18.5	21.0	31.5	38.0	39.0	38.0	36.0	26.5	24.0	18.5
12	BEETLE PLOT 7	954	28.0	20.0	10.0	8.0	5.5	18.0	22.0	32.0	37.0	36.5	37.0	34.0	25.5	24.0	19.5
14	RATTLESNAKE CREST NE	1020	24.5	18.0	8.0	6.5	****	13.5	19.0	28.0	34.0	35.0	32.0	30.5	23.0	22.0	16.0
16	RATTLESNAKE CREST SW	1067	26.5	10.5	8.5	6.5	3.5	16.5	21.0	30.5	36.0	35.5	35.0	32.0	23.5	22.0	18.5
15	RATTLESNAKE CREST	1079	25.5	16.5	8.0	6.5	5.0	16.5	20.0	30.0	35.5	34.5	33.5	31.0	23.0	21.0	16.5

ARID LANDS ECOLOGY RESERVE -- MONTHLY MAXIMUM TEMPERATURES (CENTIGRADE)

1969-1970

STA- TION	STATION NAME	ELEV. M	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
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20	LOWER COLD CREEK	134	31.5	24.5	20.5	*****	14.5	19.5	23.5	36.5	44.0	45.0	45.0	42.0	35.0	19.0	15.0
12	HOPSAGE	158	31.5	25.5	19.0	*****	15.5	20.5	25.0	36.5	44.0	45.0	45.5	43.0	34.0	20.0	16.0
5	BENSON RANCH	189	34.0	28.0	19.5	*****	15.0	21.0	24.5	38.0	46.0	47.0	47.0	44.0	34.0	20.0	17.0
21	BEETLE PLOT 3	192	32.0	25.5	18.5	*****	14.5	20.0	26.0	39.0	45.0	46.0	46.0	43.5	35.0	19.0	14.5
1	UPPER COLD CREEK	204	34.0	28.5	20.0	*****	14.5	21.0	24.0	40.5	49.0	50.0	49.0	45.5	35.5	20.0	16.0
17	WINTERFAT	206	38.0	25.0	18.0	*****	14.5	20.0	24.0	36.0	43.5	44.5	44.5	41.5	33.5	19.0	14.5
2	RATTLESNAKE SPRINGS	210	29.5	24.0	17.0	*****	13.5	20.0	22.0	36.5	43.5	44.5	45.0	42.0	32.0	18.5	14.0
6	UPPER BENSON	244	30.5	25.0	18.5	*****	15.0	21.0	24.0	38.0	45.0	44.5	45.5	43.0	33.5	19.0	15.5
22	BEETLE PLOT 4	286	31.5	25.5	19.0	*****	15.0	20.0	25.0	38.5	45.0	46.5	46.0	43.5	34.5	19.5	14.0
3	LOWER SNIVELY	323	31.0	24.0	17.0	*****	13.5	19.0	21.5	36.5	42.0	44.5	44.5	41.0	31.5	16.5	14.5
23	E. R. C. (Y)	329	28.5	22.0	16.5	*****	13.0	18.5	22.0	35.5	42.0	43.5	43.5	40.0	32.0	15.5	12.0
7	ALLUVIAL FAN	347	29.5	23.0	17.0	*****	13.5	19.0	22.0	35.5	43.0	44.0	44.0	41.5	32.0	18.0	14.5
13	TELEMETER	366	30.5	23.0	16.5	*****	12.0	18.5	22.0	35.0	41.5	43.0	43.0	39.5	31.5	15.5	14.5
18	CALOCHORTUS	381	30.5	24.0	17.0	*****	12.0	19.0	22.0	35.5	43.0	44.0	45.5	41.0	31.5	15.0	14.5
24	BEETLE PLOT 5	448	28.0	21.5	16.5	*****	11.0	17.0	21.0	34.5	41.0	43.0	43.0	39.5	31.0	14.5	12.0
7A	LOWER LARK SPUR	488	*****	*****	13.0	*****	11.5	18.5	21.0	34.5	42.0	43.5	43.5	40.5	30.0	14.5	12.0
4	UPPER SNIVELY	533	29.5	24.0	17.0	*****	12.0	20.0	21.0	34.0	40.5	41.5	42.0	40.0	30.0	14.5	13.0
8	LARK SPUR	588	29.0	21.5	16.0	*****	11.0	17.0	20.0	34.5	41.5	41.5	42.0	39.5	29.5	14.0	11.5
9	BENSON BASIN	734	26.0	23.5	15.5	*****	9.0	17.0	19.5	32.0	38.5	39.5	40.0	36.5	30.0	11.5	10.0
25	BEETLE PLOT 6	756	25.0	23.5	15.5	*****	9.5	15.0	19.0	31.5	39.5	40.5	40.0	36.5	29.5	14.0	11.0
10	ANDERSON RIM	884	24.5	23.0	16.5	*****	6.0	14.0	17.0	30.5	38.0	38.5	39.0	35.5	30.0	13.0	8.0
11	ANDERSON FIELD	939	26.5	24.0	18.5	*****	9.0	16.0	18.0	29.5	39.5	41.0	40.0	36.0	31.0	15.5	*****
19	BEETLE PLOT 7	954	25.5	24.0	19.5	*****	9.0	15.5	20.0	30.5	38.0	39.5	39.5	36.5	30.0	15.0	10.0
14	RATTLESNAKE CREST NE	1020	23.0	22.0	16.0	*****	5.0	11.5	15.0	26.5	34.0	35.0	36.0	33.5	26.0	11.5	*****
16	RATTLESNAKE CREST SW	1067	23.5	22.0	18.5	*****	5.5	13.5	16.0	29.0	38.0	38.0	38.0	35.0	30.0	14.0	7.0
17	RATTLESNAKE CREST	1079	23.0	21.0	16.5	*****	5.0	12.0	15.5	28.5	36.5	37.0	37.0	34.5	28.0	11.5	6.5

ARID LANDS ECOLOGY RESERVE -- MONTHLY MINIMUM TEMPERATURES (CENTIGRADE)

1967-1968

STA- TION	STATION NAME	ELEV. M	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
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20	LOWER COLD CREEK	134	*****	*****	*****	*****	*****	-8.0	-10.0	-3.0	2.0	4.5	11.0	3.5	-4.0	-7.0	-8.0
12	HOPSAGE	158	*****	*****	*****	*****	*****	-8.0	-9.0	-3.0	.0	5.5	8.5	1.0	-4.0	-7.0	-9.0
5	BENSON RANCH	189	*****	*****	*****	*****	*****	-9.0	-11.0	-4.0	-1.0	1.5	6.5	1.0	-3.0	-5.0	-7.0
21	BEETLE PLOT 3	192	*****	*****	*****	*****	*****	-5.0	-5.0	-1.0	3.5	4.5	10.0	4.5	-1.0	-4.0	-5.0
1	UPPER COLD CREEK	204	*****	*****	*****	*****	*****	-8.0	-9.0	-4.0	2.0	6.0	7.0	2.0	-3.0	-5.0	-7.0
17	WINTERFAT	206	*****	*****	*****	*****	*****	-3.0	-6.0	1.0	4.5	*****	10.0	4.5	1.0	-3.0	-6.0
2	RATTLESNAKE SPRINGS	210	*****	*****	*****	*****	*****	-5.0	-7.0	.0	2.0	6.0	9.5	4.0	.0	-3.0	-5.0
6	UPPER BENSON	244	*****	*****	*****	*****	*****	-5.0	-6.0	1.0	4.0	7.0	10.0	5.0	.5	-2.0	-4.0
22	BEETLE PLOT 4	286	*****	*****	*****	*****	*****	-4.0	-6.0	.0	4.5	4.5	9.0	4.0	.0	-4.0	-6.0
3	LOWER SNIVELY	323	*****	*****	*****	*****	*****	-1.0	-3.0	1.0	4.0	6.5	10.0	4.0	2.0	-1.0	-7.0
23	E. R. C. (Y)	329	*****	*****	*****	*****	*****	-4.0	-5.0	.0	2.0	4.5	9.0	4.5	.0	-2.0	-6.0
7	ALLUVIAL FAN	347	*****	*****	*****	*****	*****	-1.0	-5.0	2.0	4.5	9.0	10.5	6.5	2.0	.0	-6.0
13	TELEMETER	366	*****	*****	*****	*****	*****	-3.0	-4.0	1.0	4.5	8.0	9.0	4.5	1.0	-1.0	-5.0
18	CALOCHORTUS	381	*****	*****	*****	*****	*****	-4.0	-4.0	1.0	4.5	6.0	9.0	4.0	.5	-2.0	-5.0
24	BEETLE PLOT 5	448	*****	*****	*****	*****	*****	-1.0	-4.0	.0	4.5	6.5	10.0	4.5	1.0	-1.0	-5.0
7A	LOWER LARK SPUR	488	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
4	UPPER SNIVELY	533	*****	*****	*****	*****	*****	-3.0	-6.0	-1.0	2.0	5.0	9.0	3.5	.0	-2.0	-8.0
8	LARK SPUR	588	*****	*****	*****	*****	*****	-4.0	-5.0	-1.0	4.0	5.5	8.0	4.5	.0	-4.0	-9.0
9	BENSON BASIN	734	*****	*****	*****	*****	*****	-6.0	-9.0	-3.0	3.0	3.5	8.0	3.5	.0	-4.0	-7.0
25	BEETLE PLOT 6	756	*****	*****	*****	*****	*****	-3.0	-6.0	-2.0	2.0	6.5	8.0	5.0	2.0	.0	-6.0
10	ANDERSON RIM	884	*****	*****	*****	*****	*****	-6.0	-11.0	-5.0	.0	1.0	5.5	.0	-3.0	-6.0	-9.0
11	ANDERSON FIELD	939	*****	*****	*****	*****	*****	-6.0	-9.0	-5.0	1.0	2.0	4.5	1.0	-1.0	-3.0	-9.0
19	BEETLE PLOT 7	954	*****	*****	*****	*****	*****	-5.0	-8.0	-3.0	3.5	4.5	5.5	4.0	.0	-2.0	-7.0
14	RATTLESNAKE CREST NE	1020	*****	*****	*****	*****	*****	-6.0	-6.0	-4.0	1.0	*****	6.5	3.5	.0	-3.0	-8.0
16	RATTLESNAKE CREST SW	1067	*****	*****	*****	*****	*****	-5.0	-7.0	-5.0	1.0	*****	5.5	2.0	.0	-3.0	-9.0
15	RATTLESNAKE CREST	1079	*****	*****	*****	*****	*****	-4.0	-7.0	-5.0	1.0	*****	6.5	2.0	.0	-3.0	-9.0

ARID LANDS ECOLOGY RESERVE -- MONTHLY MINIMUM TEMPERATURES (CENTIGRADE)

1968-1969

STA- TION	STATION NAME	ELEV. M	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
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20	LOWER COLD CREEK	134	-4.0	-7.0	-8.0	-26.0	-21.0	-8.0	-6.0	-2.0	4.5	5.5	3.5	.0	2.0	-11.0	-12.0
12	HOPSAGE	158	-4.0	-7.0	-9.0	-26.0	-24.0	-8.0	-5.0	.0	5.0	8.0	4.0	.0	3.0	-9.0	-11.0
5	BENSON RANCH	189	-3.0	-5.0	-7.0	-26.0	*****	-15.0	-7.0	-1.0	4.0	4.5	1.0	-2.0	1.0	-13.0	-13.0
21	BEETLE PLOT 3	192	-1.0	-4.0	-5.0	-23.0	-17.0	-7.0	-1.0	1.0	8.5	8.5	9.0	4.0	6.0	-7.0	-7.0
1	UPPER COLD CREEK	204	-3.0	-5.0	-7.0	-26.0	-21.0	-8.0	-4.0	.5	5.0	6.5	4.0	-1.0	3.0	-12.0	-11.0
17	WINTERFAT	206	1.0	-3.0	-6.0	-23.0	*****	-15.0	-1.0	3.0	6.0	10.0	8.0	7.0	5.0	-4.0	-7.0
2	RATTLESNAKE SPRINGS	210	.0	-3.0	-5.0	-26.0	*****	-18.0	-2.0	2.0	6.5	8.0	5.5	4.0	4.5	-5.0	-7.0
6	UPPER BENSON	244	.5	-2.0	-4.0	-24.0	*****	-12.0	.0	4.5	7.0	11.0	8.5	6.0	6.5	-4.0	-6.0
22	BEETLE PLOT 4	286	.0	-4.0	-6.0	-24.0	-17.0	-6.0	-1.0	.5	6.5	7.0	6.5	3.0	6.0	-7.0	-7.0
3	LOWER SNIVELY	323	2.0	-1.0	-7.0	-26.0	*****	-14.0	-1.0	3.0	8.0	10.5	8.5	8.0	8.0	-4.0	-6.0
23	E. R. C. (Y)	329	.0	-2.0	-6.0	-24.0	-19.0	-7.0	-2.0	1.5	6.5	4.5	7.0	3.5	4.0	-6.0	-7.0
7	ALLUVIAL FAN	347	2.0	.0	-6.0	-24.0	*****	-13.0	.5	4.5	6.5	9.5	7.0	8.0	9.0	-5.0	-7.0
13	TELEMETER	366	1.0	-1.0	-5.0	-24.0	-14.0	-6.0	-1.0	4.5	6.0	10.5	7.0	6.0	6.5	-3.0	-6.0
18	CALUCHORTUS	381	.5	-2.0	-5.0	-24.0	-16.0	-5.0	-1.0	5.0	6.0	10.0	7.0	4.0	8.0	-3.0	-7.0
24	BEETLE PLOT 5	448	1.0	-1.0	-5.0	-25.0	-15.0	-6.0	-1.0	4.0	6.5	9.5	8.5	6.0	7.0	-2.0	-5.0
7A	LOWER LARK SPUR	488	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	-6.0
4	UPPER SNIVELY	533	.0	-2.0	-8.0	-27.0	*****	-17.0	-2.0	1.5	5.5	6.0	5.5	1.5	6.0	-8.0	-9.0
6	LARK SPUR	588	.0	-4.0	-9.0	-28.0	*****	-21.0	-2.0	2.0	5.0	8.0	8.5	4.5	6.5	-4.0	-8.0
9	BENSON BASIN	734	.0	-4.0	-7.0	-28.0	*****	-19.0	-1.0	2.0	6.0	6.5	7.0	4.0	5.5	-6.0	-7.0
25	BEETLE PLOT 6	756	2.0	.0	-6.0	-25.0	-16.0	-4.0	.5	4.0	7.0	8.0	10.0	6.5	6.0	-1.0	-6.0
10	ANDERSON RIM	884	-3.0	-6.0	-9.0	-29.0	*****	-18.0	-4.0	-1.0	3.0	4.0	4.0	-1.0	3.0	-9.0	-11.0
11	ANDERSON FIELD	939	-1.0	-3.0	-9.0	-28.0	*****	-15.0	-2.0	.5	3.0	5.0	4.5	3.5	3.0	-5.0	-9.0
19	BEETLE PLOT 7	954	.0	-2.0	-7.0	-26.0	-16.0	-7.0	-3.0	.5	4.0	3.5	3.5	.5	3.0	-3.0	-9.0
14	RATTLESNAKE CREST NE	1020	.0	-3.0	-8.0	-27.0	*****	-17.0	-3.0	.0	3.5	5.0	5.5	4.0	2.0	-4.0	-8.0
17	RATTLESNAKE CREST SW	1067	.0	-3.0	-9.0	-29.0	-17.0	-8.0	-3.0	.0	4.5	5.0	4.5	4.0	1.5	-5.0	-9.0
15	RATTLESNAKE CREST	1079	.0	-3.0	-9.0	-29.0	-18.0	-8.0	-3.0	.0	4.0	5.0	5.0	4.0	1.5	-5.0	-9.0

ARID LANDS ECOLOGY RESERVE -- MONTHLY MINIMUM TEMPERATURES (CENTIGRADE)

1969-1970

STA- TION	STATION NAME	ELEV. M	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
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20	LOWER COLD CREEK	134	2.0	-11.0	-12.0	*****	-13.0	-8.0	-4.0	-9.0	2.0	6.0	5.5	-4.0	-11.0	-12.0	-18.0
12	HOPSAGE	158	3.0	-9.0	-11.0	*****	-14.0	-7.0	-4.0	-7.0	1.0	6.5	5.5	-3.0	-11.0	-10.0	-17.0
5	BENSON RANCH	189	1.0	-13.0	-13.0	*****	-15.0	-9.0	-6.0	-10.0	-1.0	5.5	3.0	-5.0	-12.0	-12.0	-18.0
21	BEETLE PLOT 3	192	6.0	-7.0	-7.0	*****	-10.0	-6.0	-1.0	-4.0	5.5	8.5	10.0	.0	-5.0	-6.0	-13.0
1	UPPER COLD CREEK	204	3.0	-12.0	-11.0	*****	-16.0	-9.0	-6.0	-7.0	6.5	9.5	6.5	-3.0	-9.0	-11.0	-16.0
17	WINTERFAT	206	5.0	-4.0	-7.0	*****	-11.0	-4.0	-1.0	-2.0	5.0	11.0	10.0	1.0	-4.0	-4.0	-13.0
2	RATTLESNAKE SPRINGS	210	4.5	-5.0	-7.0	*****	-12.0	-6.0	-2.0	-3.0	4.5	10.0	8.0	1.0	-6.0	-5.0	-14.0
6	UPPER BENSON	244	6.5	-4.0	-6.0	*****	-7.0	-3.0	.0	-1.0	8.5	12.0	11.0	3.0	-3.0	-3.0	-12.0
22	BEETLE PLOT 4	286	6.0	-7.0	-7.0	*****	-11.0	-5.0	-2.0	-6.0	3.0	5.5	8.0	.0	-7.0	-5.0	-15.0
3	LOWER SNIVELY	323	8.0	-4.0	-6.0	*****	-7.0	-2.0	.0	-1.0	6.5	11.5	10.0	1.0	-2.0	.0	-13.0
23	E. R. C. (Y)	329	4.0	-6.0	-7.0	*****	-10.0	-4.0	-2.0	-4.0	3.5	8.0	8.5	1.0	-6.0	-5.0	-15.0
7	ALLUVIAL FAN	347	9.0	-5.0	-7.0	*****	-7.0	-3.0	.0	-1.0	6.5	9.5	11.0	1.0	-3.0	-1.0	-13.0
13	TELEMETER	366	6.5	-3.0	-6.0	*****	-8.0	-4.0	.0	-1.0	6.5	13.0	11.0	2.0	-4.0	-2.0	-13.0
18	CALOCHORTUS	381	8.0	-3.0	-7.0	*****	-9.0	-4.0	-1.0	-2.0	4.5	10.0	10.0	3.0	-4.0	-2.0	-13.0
24	BEETLE PLOT 5	448	7.0	-2.0	-5.0	*****	-9.0	-3.0	-1.0	-1.0	6.5	8.5	10.0	3.5	-2.0	-2.0	-12.0
7A	LOWER LARK SPUR	488	*****	*****	-6.0	*****	-9.0	-8.0	1.5	.0	8.0	8.5	11.5	3.0	-2.0	1.0	-11.0
4	UPPER SNIVELY	533	6.0	-8.0	-9.0	*****	-12.0	-6.0	-3.0	-4.0	4.5	6.5	6.0	.5	-5.0	-2.0	-14.0
8	LARK SPUR	588	6.5	-4.0	-8.0	*****	-12.0	-6.0	.0	-2.0	5.0	8.0	9.5	1.0	-5.0	-1.0	-13.0
9	BENSON BASIN	734	5.5	-6.0	-7.0	*****	-12.0	-6.0	-2.0	-4.0	5.5	6.5	8.5	.5	-3.0	-2.0	-13.0
25	BEETLE PLOT 6	756	6.0	-1.0	-6.0	*****	-10.0	-4.0	1.0	-2.0	7.0	7.0	10.5	1.5	.0	.0	-11.0
10	ANDERSON RIM	884	3.0	-9.0	-11.0	*****	-16.0	-8.0	-3.0	-8.0	3.0	3.0	4.5	-1.0	-6.0	-4.0	-15.0
11	ANDERSON FIELD	939	3.0	-5.0	-9.0	*****	-12.0	-8.0	-1.0	-5.0	1.0	3.0	6.0	-1.0	-4.0	-2.0	*****
12	BEETLE PLOT 7	954	3.0	-3.0	-9.0	*****	-14.0	-7.0	-1.0	-4.0	3.5	4.0	4.5	-1.0	-9.0	-4.0	-14.0
14	RATTLESNAKE CREST NE	1020	2.0	-4.0	-8.0	*****	-13.0	-8.0	-2.0	-5.0	2.0	3.5	6.5	-2.0	-2.0	-2.0	*****
15	RATTLESNAKE CREST SW	1067	1.5	-5.0	-9.0	*****	-14.0	-9.0	-3.0	-6.0	2.0	3.0	6.0	-2.0	-4.0	-3.0	-16.0
16	RATTLESNAKE CREST	1079	1.5	-5.0	-9.0	*****	-13.0	-9.0	-3.0	-6.0	2.0	3.0	8.0	-2.0	-3.0	-3.0	-16.0

ENGLISH SYSTEM DATA TABULATION

ARRANGED BY TRANSECT

ARID LANDS ECOLOGY RESERVE -- MONTHLY PRECIPITATION (INCHES)

1968-1969

STATION	STATION NAME	ELEV. FT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL OCT-MAY	TOTAL JAN-DEC
			---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1	UPPER COLD CREEK	0670	.94	1.28	1.03	1.03	1.03	.19	.71	.47	.14	.00	.00	.32	.25	.00	1.40	6.69	5.55
2	RATTLESNAKE SPRINGS	0690	.97	1.50	1.02	1.02	1.02	.15	.90	.51	.15	.00	.00	.31	.20	.00	1.55	7.10	5.82
3	LOWER SNIVELY	1060	1.35	1.83	1.13	1.13	1.13	.11	1.20	.64	.34	.00	.00	.45	.40	.00	1.66	8.53	7.07
4	UPPER SNIVELY	1750	1.45	2.02	1.32	1.32	1.32	.15	1.51	.80	.55	.00	.00	.70	.50	.00	1.67	9.90	8.53
5	BENSON RANCH	0620	.98	1.42	1.06	1.06	1.06	.07	.82	.48	.49	.00	.00	.52	.18	.00	1.47	6.95	6.15
6	UPPER BENSON	0800	.98	1.49	1.03	1.03	1.03	.00	.81	.48	.41	.00	.00	.59	.20	.00	1.69	6.86	6.25
7	ALLUVIAL FAN	1140	1.24	1.76	1.09	1.09	1.09	.04	1.12	.52	.27	.00	.00	.84	.20	.00	1.70	7.94	6.86
7A	LOWER LARK SPUR	1600	****	****	****	****	****	****	****	****	****	****	****	****	****	.20	1.81	.00	2.01
8	LARK SPUR	1930	1.43	2.16	1.36	1.36	1.36	.04	1.26	.52	.49	.00	.00	1.03	.20	.00	1.95	9.50	8.22
9	BENSON BASIN	2440	1.76	2.31	1.45	1.45	1.45	.11	1.46	.75	.52	.00	.00	1.21	.25	.00	2.11	10.75	9.32
10	ANDERSON RIM	2900	2.40	2.35	1.47	1.47	1.47	.19	1.46	.83	.60	.00	.00	1.31	.46	.00	2.04	11.63	9.82
11	ANDERSON FIELD	3080	1.52	2.25	1.19	1.19	1.19	.11	1.39	.75	.53	.00	.00	1.14	.40	.00	1.28	9.59	7.98
12	HOPSAGE	0520	.86	1.35	1.09	1.09	1.09	.07	.94	.41	.76	.00	.00	.51	.17	.00	1.60	6.91	6.65
13	TELEMETER	1200	1.35	1.99	1.24	1.24	1.24	.11	1.27	.52	.54	.00	.00	.86	.25	.00	1.63	8.95	7.65
14	RATTLESNAKE CREST NE	3350	1.54	2.13	1.17	1.17	1.17	.11	1.49	.56	.81	.00	.00	1.05	.40	.00	1.41	9.33	8.16
15	RATTLESNAKE CREST	3540	****	****	****	****	****	****	****	****	****	****	****	****	.25	.00	1.20	.00	1.45
16	RATTLESNAKE CREST SW	3500	1.24	1.80	1.43	1.43	1.43	.71	1.16	.64	.92	.00	.00	.73	.20	.00	1.09	9.84	8.31
17	WINTERFALL	0675	1.19	1.84	1.03	1.03	1.03	.11	.56	.34	.45	.00	.00	.54	.30	.00	1.55	7.14	5.92
18	CALOCHORTUS	1250	1.23	1.95	1.22	1.22	1.22	.64	1.28	.60	.83	.00	.00	.61	.33	.00	1.67	9.37	8.41
19	BEETLE PLOT 7	3130	1.69	2.14	1.13	1.13	1.13	.34	1.57	.78	.87	.00	.00	1.09	.35	.00	1.38	9.91	8.64
20	LOWER COLD CREEK	0440	1.09	1.57	1.39	1.39	1.39	.49	1.15	.29	.78	.00	.00	.49	.15	.00	1.40	6.76	7.53
21	BEETLE PLOT 3	0530	1.16	1.84	1.07	1.07	1.07	.56	1.23	.26	.89	.00	.00	.62	.20	.00	1.42	8.26	7.32
22	BEETLE PLOT 4	0940	1.31	1.90	1.06	1.06	1.06	.71	1.09	.37	.77	.00	.00	.69	.25	.00	1.35	8.55	7.34
23	S. K. C. (Y)	1080	1.35	1.94	1.11	1.11	1.11	.90	1.12	.44	.91	.00	.00	.68	.25	.00	1.52	9.08	8.04
24	BEETLE PLOT 5	1470	1.50	1.91	1.13	1.13	1.13	.86	1.15	.63	.93	.00	.00	1.17	.35	.00	1.43	9.44	8.78
25	BEETLE PLOT 6	2480	1.80	1.68	1.11	1.11	1.11	.64	1.30	.63	1.15	.00	.00	.83	.37	.00	1.43	9.37	8.56

*** INDICATES MISSING DATA, ? INDICATES ESTIMATED DATA.

ARID LANDS ECOLOGY RESERVE -- MONTHLY PRECIPITATION (INCHES)

1969-1970

STA- TION	STATION NAME	ELEV. FT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL OCT-MAY	TOTAL JAN-DEC
1	UPPER COLD CREEK	0670	.25	.00	1.40	1.47	1.47	.75	.75	.00	.25	.00	.00	.00	.25	.38	1.12	6.10	6.45
2	RATTLESNAKE SPRINGS	0690	.20	.00	1.55	1.70	1.70	.70	.55	.00	.25	.00	.00	.00	.29	.41	1.03	6.40	6.63
3	LOWER SHIVELY	1060	.40	.00	1.66	1.80	1.80	1.28	.65	.00	.20	.00	.00	.00	.49	.54	1.50	7.59	8.26
4	UPPER SHIVELY	1750	.50	.00	1.67	1.91	1.91	1.70	.81	.00	.15	.00	.00	.00	1.02	.63	1.62	8.50	9.75
5	BENSON RANCH	0620	.18	.00	1.47	1.78	1.78	.78	.85	.00	.25	.00	.00	.00	.29	.45	1.05	6.83	7.22
6	UPPER BENSON	0800	.20	.00	1.69	1.82	1.82	.94	.95	.00	.35	.37	.00	.00	.34	.43	1.31	7.43	8.34
7	ALLUVIAL FAN	1140	.20	.00	1.70	1.85	1.85	1.54	1.25	.00	.20	.25	.00	.00	.59	.61	1.68	8.39	9.82
7A	LOWER LARK SPUR	1600	.20	.00	1.81	1.70	1.70	1.78	1.25	.00	.08	.35	.00	.00	.58	.60	1.70	8.44	9.74
8	LARK SPUR	1930	.20	.00	1.95	1.97	1.97	2.15	1.32	.00	.18	.15	.00	.00	.72	.69	1.75	9.57	10.91
9	BENSON BASIN	2440	.25	.00	2.11	2.19	2.19	2.04	1.42	.00	.17	.70	.00	.00	.72	.73	1.85	10.19	12.00
10	ANDERSON RIM	2900	.46	.00	2.04	2.19	2.19	1.95	1.20	.00	.15	.35	.00	.00	.77	.72	1.76	10.03	11.28
11	ANDERSON FIELD	3080	.40	.00	1.28	1.73	1.73	1.67	1.05	.00	.15	.35	.00	.00	.67	.67	1.00	7.85	9.01
12	HOPSAGE	0520	.17	.00	1.60	1.85	1.85	1.04	1.27	.00	.25	.35	.00	.00	.30	.27	.90	7.78	8.08
13	TELEMETER	1200	.25	.00	1.63	2.15	2.15	2.26	.85	.00	.10	.00	.00	.00	.64	.77	2.05	9.29	10.97
14	RATTLESNAKE CREST NE	3350	.40	.00	1.41	1.98	1.98	1.75	1.20	.00	.10	.05	.00	.05	.46	.69	.80	8.71	9.05
15	RATTLESNAKE CREST	3540	.25	.00	1.20	1.56	1.56	1.23	.47	.00	.10	.00	.00	.00	.34	.63	.50	6.27	6.39
15	RATTLESNAKE CREST SW	3500	.20	.00	1.09	1.44	1.44	1.25	.68	.00	.10	.00	.00	.00	.32	.58	.53	6.10	6.34
17	WINTEREAT	0675	.30	.00	1.55	1.72	1.72	1.52	1.30	.00	.30	.02	.00	.01	.24	.51	1.65	8.12	9.00
18	CALOCHORTUS	1250	.33	.00	1.67	2.15	2.15	2.22	1.33	.00	.15	.00	.00	.00	.58	.34	2.06	9.85	11.48
19	BEETLE PLOT 7	3130	.35	.00	1.38	1.97	1.97	1.90	.90	.00	.10	.02	.00	.01	.54	.67	1.30	8.48	9.39
20	LOWER COLD CREEK	0440	.15	.00	1.40	1.95	1.95	1.43	1.07	.00	.15	.00	.00	.01	.19	.50	1.32	7.95	8.57
21	BEETLE PLOT 3	0630	.20	.00	1.42	1.78	1.78	1.50	1.00	.00	.30	.00	.00	.01	.22	.47	1.38	7.67	8.43
22	BEETLE PLOT 4	0940	.25	.00	1.35	2.15	2.15	1.74	.90	.00	.25	.07	.00	.00	.35	.52	1.40	8.54	9.53
23	L. R. C. (Y)	1080	.25	.00	1.52	1.77	1.77	1.65	.60	.00	.10	.00	.00	.01	.30	.64	1.50	7.56	8.34
24	BEETLE PLOT 5	1470	.35	.00	1.43	1.90	1.90	1.85	1.30	.00	.10	.00	.00	.01	.35	.60	1.54	8.73	9.55
25	BEETLE PLOT 6	2480	.37	.00	1.43	1.80	1.80	1.70	1.25	.00	.10	.00	.00	.02	.42	.61	1.08	8.35	8.78

*** INDICATES MISSING DATA. ? INDICATES ESTIMATED DATA.

ARID LANDS ECOLOGY RESERVE -- MONTHLY MAXIMUM TEMPERATURES (FAHRENHEIT)

1967-1968

STATION	STATION NAME	ELEV. FT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	UPPER COLD CREEK	0670	****	****	****	****	****	77.	90.	98.	112.	109.	102.	102.	91.	67.	62.
2	RATTLESNAKE SPRINGS	0690	****	****	****	****	****	74.	90.	96.	109.	116.	102.	101.	91.	64.	60.
3	LOWER SNIVELY	1060	****	****	****	****	****	70.	86.	94.	108.	114.	100.	98.	88.	62.	56.
4	UPPER SNIVELY	1750	****	****	****	****	****	68.	82.	91.	104.	112.	100.	98.	88.	59.	54.
5	BENSON RANCH	0620	****	****	****	****	****	78.	92.	99.	112.	112.	105.	103.	92.	64.	60.
6	UPPER BENSON	0800	****	****	****	****	****	76.	91.	97.	110.	106.	104.	101.	90.	64.	60.
7	ALLUVIAL FAN	1140	****	****	****	****	****	66.	88.	95.	108.	112.	100.	100.	88.	62.	57.
7A	LOWER LARK SPUR	1600	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
8	LARK SPUR	1930	****	****	****	****	****	71.	84.	92.	104.	100.	96.	97.	87.	58.	52.
9	BENSON BASIN	2440	****	****	****	****	****	68.	80.	89.	102.	98.	96.	94.	84.	56.	51.
10	ANDERSON RIM	2900	****	****	****	****	****	66.	78.	88.	100.	94.	91.	92.	78.	63.	48.
11	ANDERSON FIELD	3080	****	****	****	****	****	70.	78.	87.	100.	95.	95.	94.	83.	66.	48.
12	HOPSAGE	0520	****	****	****	****	****	76.	90.	98.	111.	108.	105.	103.	91.	65.	62.
13	TELEMETER	1200	****	****	****	****	****	74.	88.	94.	108.	110.	102.	100.	88.	62.	54.
14	RATTLESNAKE CREST NE	3350	****	****	****	****	****	65.	76.	81.	98.	****	87.	86.	76.	64.	46.
15	RATTLESNAKE CREST	3540	****	****	****	****	****	64.	76.	84.	96.	****	91.	88.	78.	62.	46.
16	RATTLESNAKE CREST SW	3500	****	****	****	****	****	65.	77.	88.	96.	****	92.	91.	80.	51.	47.
17	WINTERFAT	0675	****	****	****	****	****	76.	92.	98.	109.	****	102.	101.	88.	64.	60.
18	CALOCHORTUS	1250	****	****	****	****	****	74.	86.	94.	107.	106.	100.	100.	88.	62.	54.
19	BEETLE PLOT 7	3130	****	****	****	****	****	78.	78.	86.	96.	104.	79.	97.	82.	68.	50.
20	LOWER COLD CREEK	0440	****	****	****	****	****	77.	90.	98.	109.	110.	103.	101.	88.	66.	62.
21	BEETLE PLOT 3	0630	****	****	****	****	****	82.	92.	98.	114.	118.	93.	104.	90.	66.	62.
22	BEETLE PLOT 4	0940	****	****	****	****	****	78.	89.	98.	112.	117.	92.	102.	89.	66.	60.
23	E. R. C. (Y)	1080	****	****	****	****	****	76.	90.	96.	108.	107.	104.	100.	88.	62.	60.
24	BEETLE PLOT 5	1470	****	****	****	****	****	74.	87.	96.	110.	114.	98.	98.	86.	62.	56.
25	BEETLE PLOT 6	2480	****	****	****	****	****	68.	82.	90.	100.	106.	93.	94.	79.	58.	49.

ARID LANDS ECOLOGY RESERVE -- MONTHLY MAXIMUM TEMPERATURES (FAHRENHEIT)

1968-1969

STATION	STATION NAME	ELEV. FT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	UPPER COLD CREEK	0670	91.	67.	62.	44.	48.	71.	82.	108.	118.	120.	117.	109.	93.	83.	68.
2	RATTLESNAKE SPRINGS	0690	91.	64.	60.	46.	****	70.	83.	102.	109.	110.	107.	100.	85.	75.	63.
3	LOWER SNIVELY	1060	88.	62.	56.	42.	****	68.	80.	100.	111.	111.	109.	100.	88.	75.	63.
4	UPPER SNIVELY	1750	88.	59.	54.	47.	****	69.	75.	96.	107.	107.	105.	100.	85.	75.	63.
5	BENSON RANCH	0620	92.	64.	60.	44.	****	72.	83.	108.	118.	118.	116.	107.	93.	82.	67.
6	UPPER BENSON	0800	90.	64.	60.	44.	****	72.	86.	102.	109.	111.	107.	102.	87.	77.	65.
7	ALLUVIAL FAN	1140	88.	62.	57.	41.	****	68.	80.	99.	108.	109.	106.	99.	85.	73.	63.
7A	LOWER LARK SPUR	1600	****	****	****	****	****	****	****	****	****	****	****	****	****	****	55.
8	LARK SPUR	1930	87.	58.	52.	48.	****	66.	76.	95.	106.	106.	102.	98.	84.	71.	61.
9	BENSON BASIN	2440	84.	56.	51.	46.	****	67.	74.	92.	101.	105.	98.	94.	79.	74.	60.
10	ANDERSON RIM	2900	78.	63.	48.	43.	****	64.	70.	88.	98.	99.	96.	93.	76.	73.	62.
11	ANDERSON FIELD	3080	83.	66.	48.	44.	****	65.	70.	89.	100.	102.	100.	97.	80.	75.	65.
12	HOPSAGE	0520	91.	65.	62.	45.	49.	77.	86.	103.	****	109.	107.	102.	89.	78.	66.
13	TELEMETER	1200	88.	62.	54.	44.	46.	70.	79.	101.	106.	110.	105.	101.	87.	73.	62.
14	RATTLESNAKE CREST NE	3350	76.	64.	46.	44.	****	56.	66.	82.	93.	95.	90.	87.	73.	72.	61.
15	RATTLESNAKE CREST	3540	78.	62.	46.	44.	41.	62.	68.	86.	96.	94.	92.	88.	73.	70.	62.
16	RATTLESNAKE CREST SW	3500	80.	51.	47.	44.	38.	62.	70.	87.	97.	96.	95.	90.	74.	72.	65.
17	WINTERFAT	0675	88.	64.	60.	44.	****	76.	84.	102.	109.	108.	106.	103.	100.	77.	64.
18	CALUCHORTUS	1250	88.	62.	54.	46.	48.	68.	80.	99.	108.	108.	104.	100.	87.	75.	63.
19	BEETLE PLOT 7	3130	82.	68.	50.	46.	42.	64.	72.	90.	99.	98.	99.	93.	78.	75.	67.
20	LOWER COLD CREEK	0440	88.	66.	62.	44.	50.	74.	81.	104.	110.	109.	107.	103.	89.	76.	69.
21	BEETLE PLOT 3	0630	90.	66.	62.	44.	51.	76.	82.	104.	112.	112.	110.	106.	90.	78.	65.
22	BEETLE PLOT 4	0940	89.	66.	60.	42.	50.	74.	82.	104.	112.	110.	108.	105.	89.	78.	66.
23	E. R. C. (Y)	1080	88.	62.	60.	44.	49.	72.	80.	98.	106.	108.	103.	98.	83.	72.	62.
24	BEETLE PLOT 5	1470	86.	62.	56.	48.	46.	68.	79.	97.	104.	106.	102.	98.	82.	71.	62.
25	BEETLE PLOT 6	2480	79.	58.	49.	44.	42.	65.	74.	92.	100.	100.	98.	93.	77.	74.	60.

ARID LANDS ECOLOGY RESERVE -- MONTHLY MAXIMUM TEMPERATURES (FAHRENHEIT)

1969-1970

STATION	STATION NAME	ELEV. FT.	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
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1	UPPER COLD CREEK	0670	93.	83.	68.	****	58.	70.	75.	105.	120.	122.	120.	114.	96.	68.	61.
2	RATTLESNAKE SPRINGS	0690	85.	75.	63.	****	56.	68.	72.	98.	110.	112.	113.	108.	90.	65.	57.
3	LOWER SNIVELY	1060	88.	75.	63.	****	56.	66.	71.	98.	108.	112.	112.	106.	89.	62.	58.
4	UPPER SNIVELY	1750	85.	75.	63.	****	54.	68.	70.	93.	105.	107.	108.	104.	86.	58.	55.
5	BENSON RANCH	0620	93.	82.	67.	****	59.	70.	76.	100.	115.	117.	117.	111.	93.	68.	63.
6	UPPER BENSON	0800	87.	77.	65.	****	59.	70.	75.	100.	113.	112.	114.	109.	92.	66.	60.
7	ALLUVIAL FAN	1140	85.	73.	63.	****	56.	66.	72.	96.	109.	111.	111.	107.	90.	64.	58.
7A	LOWER LARK SPUR	1600	****	****	55.	****	53.	65.	70.	94.	108.	110.	110.	105.	86.	58.	54.
8	LARK SPUR	1930	84.	71.	61.	****	52.	63.	68.	94.	107.	107.	108.	103.	85.	57.	53.
9	BENSON BASIN	2440	79.	74.	60.	****	48.	63.	67.	90.	101.	103.	104.	98.	86.	53.	50.
10	ANDERSON RIM	2900	76.	73.	62.	****	43.	57.	63.	87.	100.	101.	102.	96.	86.	55.	46.
11	ANDERSON FIELD	3080	80.	75.	65.	****	48.	61.	64.	85.	103.	106.	104.	97.	88.	60.	****
12	HOPSAGE	0520	89.	78.	66.	****	60.	69.	77.	98.	111.	113.	114.	109.	93.	68.	61.
13	TELEMETER	1200	87.	73.	62.	****	54.	65.	72.	95.	107.	109.	109.	103.	89.	60.	58.
14	RATTLESNAKE CREST NE	3350	73.	72.	61.	****	41.	53.	59.	80.	93.	95.	97.	92.	79.	53.	****
15	RATTLESNAKE CREST	3540	73.	70.	62.	****	41.	54.	60.	83.	98.	99.	99.	94.	82.	53.	44.
16	RATTLESNAKE CREST SW	3500	74.	72.	65.	****	42.	56.	61.	84.	100.	100.	100.	95.	86.	57.	45.
17	WINTERFAT	0675	100.	77.	64.	****	58.	68.	75.	97.	110.	112.	112.	107.	92.	66.	58.
18	CALOCHORTUS	1250	87.	75.	63.	****	54.	66.	72.	96.	109.	111.	114.	106.	89.	59.	58.
19	BEEBLE PLOT 7	3130	78.	75.	67.	****	48.	60.	68.	87.	100.	103.	103.	98.	86.	59.	50.
20	LOWER COLD CREEK	0440	89.	76.	69.	****	58.	67.	74.	98.	111.	113.	113.	108.	95.	66.	59.
21	BEEBLE PLOT 3	0630	90.	78.	65.	****	58.	68.	79.	102.	113.	115.	115.	110.	95.	66.	58.
22	BEEBLE PLOT 4	0940	89.	78.	66.	****	59.	68.	77.	101.	113.	116.	115.	110.	94.	67.	57.
23	E. R. C. (Y)	1080	83.	72.	62.	****	55.	65.	72.	96.	108.	110.	110.	104.	90.	60.	54.
24	BEEBLE PLOT 5	1470	82.	71.	62.	****	52.	63.	70.	94.	106.	109.	109.	103.	88.	58.	54.
25	BEEBLE PLOT 6	2480	77.	74.	60.	****	49.	59.	66.	89.	103.	105.	104.	98.	85.	57.	52.

ARID LANDS ECOLOGY RESERVE -- MONTHLY MINIMUM TEMPERATURES (FAHRENHEIT)

1967-1968

STA- TION	STATION NAME	ELEV. FT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	UPPER COLD CREEK	0670	****	****	****	****	****	16.	14.	24.	36.	43.	45.	36.	26.	22.	19.
2	RATTLESNAKE SPRINGS	0690	****	****	****	****	****	22.	18.	31.	36.	43.	49.	39.	31.	26.	22.
3	LOWER SNIVELY	1060	****	****	****	****	****	29.	26.	34.	39.	44.	50.	39.	36.	30.	19.
4	UPPER SNIVELY	1750	****	****	****	****	****	26.	21.	30.	36.	41.	48.	38.	32.	27.	16.
5	BENSON RANCH	0620	****	****	****	****	****	15.	12.	23.	30.	35.	44.	34.	25.	22.	18.
6	UPPER BENSON	0800	****	****	****	****	****	22.	20.	34.	39.	45.	50.	41.	33.	28.	23.
7	ALLUVIAL FAN	1140	****	****	****	****	****	30.	22.	36.	40.	48.	51.	44.	36.	32.	21.
7A	LOWER LARK SPUR	1600	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
8	LARK SPUR	1930	****	****	****	****	****	23.	22.	30.	39.	42.	46.	40.	32.	24.	15.
9	BENSON BASIN	2440	****	****	****	****	****	20.	14.	25.	37.	38.	46.	38.	32.	24.	18.
10	ANDERSON RIM	2900	****	****	****	****	****	20.	12.	22.	32.	34.	42.	32.	26.	20.	14.
11	ANDERSON FIELD	3080	****	****	****	****	****	21.	14.	22.	34.	36.	40.	34.	30.	25.	15.
12	HOPSAGE	0520	****	****	****	****	****	16.	14.	26.	32.	42.	47.	34.	24.	19.	15.
13	TELEMETER	1200	****	****	****	****	****	26.	24.	34.	40.	46.	48.	40.	34.	30.	22.
14	RATTLESNAKE CREST NE	3350	****	****	****	****	****	20.	20.	23.	34.	****	44.	38.	32.	26.	16.
15	RATTLESNAKE CREST	3540	****	****	****	****	****	23.	18.	22.	34.	****	44.	36.	32.	26.	15.
16	RATTLESNAKE CREST SW	3500	****	****	****	****	****	22.	18.	22.	34.	****	42.	36.	32.	26.	15.
17	WINTERFAT	0675	****	****	****	****	****	25.	20.	34.	40.	****	50.	40.	34.	26.	20.
18	CALOCHORTUS	1250	****	****	****	****	****	24.	23.	34.	40.	43.	48.	39.	33.	28.	22.
19	BEEBLE PLOT 7	3130	****	****	****	****	****	22.	16.	26.	38.	40.	42.	39.	32.	28.	18.
20	LOWER COLD CREEK	0440	****	****	****	****	****	16.	13.	25.	36.	40.	52.	38.	24.	18.	16.
21	BEEBLE PLOT 3	0630	****	****	****	****	****	22.	22.	30.	38.	40.	50.	40.	29.	24.	22.
22	BEEBLE PLOT 4	0940	****	****	****	****	****	24.	20.	32.	40.	40.	48.	39.	32.	23.	20.
23	E. R. C. (Y)	1080	****	****	****	****	****	24.	22.	32.	36.	40.	48.	40.	32.	27.	21.
24	BEEBLE PLOT 5	1470	****	****	****	****	****	29.	24.	32.	40.	44.	50.	40.	34.	29.	22.
25	BEEBLE PLOT 6	2480	****	****	****	****	****	26.	20.	28.	36.	44.	46.	41.	36.	31.	21.

ARID LANDS ECOLOGY RESERVE -- MONTHLY MINIMUM TEMPERATURES (FAHRENHEIT)

1968-1969

STATION	STATION NAME	ELEV. FT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	UPPER COLD CREEK	0670	26.	22.	19.	-16.	-6.	17.	23.	33.	41.	44.	39.	30.	37.	10.	12.
2	RATTLESNAKE SPRINGS	0690	31.	26.	22.	-16.	****	-2.	28.	36.	44.	46.	42.	39.	40.	22.	18.
3	LOWER SNIVELY	1060	36.	30.	19.	-15.	****	5.	30.	37.	46.	51.	47.	46.	46.	23.	20.
4	UPPER SNIVELY	1750	32.	27.	16.	-17.	****	0.	27.	35.	42.	43.	42.	35.	43.	16.	15.
5	BENSON RANCH	0620	25.	22.	18.	-16.	****	4.	18.	30.	39.	40.	34.	27.	34.	8.	7.
6	UPPER BENSON	0800	33.	28.	23.	-12.	****	10.	31.	40.	45.	52.	47.	43.	44.	24.	21.
7	ALLUVIAL FAN	1140	36.	32.	21.	-12.	****	8.	33.	40.	44.	49.	45.	46.	48.	22.	19.
7A	LOWER LARK SPUR	1600	****	****	****	****	****	****	****	****	****	****	****	****	****	****	20.
8	LARK SPUR	1930	32.	24.	15.	-19.	****	-6.	27.	36.	41.	46.	47.	40.	44.	24.	17.
9	BENSON BASIN	2440	32.	24.	18.	-19.	****	-4.	30.	36.	43.	44.	45.	39.	42.	20.	18.
10	ANDERSON RIM	2900	26.	20.	14.	-22.	****	-2.	23.	30.	37.	39.	39.	30.	37.	15.	12.
11	ANDERSON FIELD	3080	30.	25.	15.	-20.	****	4.	27.	33.	37.	41.	40.	38.	37.	22.	15.
12	HOPSAGE	0520	24.	19.	15.	-15.	-12.	16.	22.	31.	41.	46.	39.	32.	37.	15.	11.
13	TELEMETER	1200	34.	30.	22.	-12.	6.	21.	30.	40.	43.	51.	45.	43.	44.	25.	20.
14	RATTLESNAKE CREST NE	3350	32.	26.	16.	-18.	****	0.	26.	32.	38.	41.	42.	39.	36.	23.	17.
15	RATTLESNAKE CREST	3540	32.	26.	15.	-22.	-2.	16.	25.	31.	39.	41.	41.	39.	35.	22.	15.
16	RATTLESNAKE CREST SW	3500	32.	26.	15.	-21.	1.	16.	26.	32.	40.	41.	40.	39.	35.	22.	15.
17	WINTERFAT	0675	34.	26.	20.	-10.	****	4.	30.	37.	43.	50.	46.	45.	41.	23.	19.
18	CALOCHORTUS	1250	33.	28.	22.	-12.	2.	22.	29.	41.	43.	50.	45.	39.	46.	26.	19.
19	BEEBLE PLOT 7	3130	32.	28.	18.	-16.	2.	19.	26.	33.	39.	38.	38.	33.	37.	25.	15.
20	LOWER COLD CREEK	0440	24.	18.	16.	-15.	-6.	16.	21.	28.	40.	42.	38.	31.	36.	12.	10.
21	BEEBLE PLOT 3	0630	29.	24.	22.	-10.	0.	18.	30.	34.	47.	47.	48.	39.	43.	19.	18.
22	BEEBLE PLOT 4	0940	32.	23.	20.	-12.	0.	20.	29.	33.	44.	45.	44.	37.	43.	18.	19.
23	E. R. C. (Y)	1080	32.	27.	21.	-12.	-3.	18.	27.	35.	44.	40.	45.	38.	39.	21.	18.
24	BEEBLE PLOT 5	1470	34.	29.	22.	-14.	4.	20.	30.	39.	44.	49.	47.	43.	45.	27.	22.
25	BEEBLE PLOT 6	2480	36.	31.	21.	-14.	2.	23.	33.	39.	45.	46.	50.	44.	43.	30.	20.

ARID LANDS ECOLOGY RESERVE -- MONTHLY MINIMUM TEMPERATURES (FAHRENHEIT)

1969-1970

STA- TION	STATION NAME	ELEV. FT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
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1	UPPER COLD CREEK	0670	37.	10.	12.	****	2.	15.	20.	19.	44.	49.	44.	26.	15.	12.	3.
2	RATTLESNAKE SPRINGS	0690	40.	22.	18.	****	10.	21.	28.	25.	40.	50.	46.	34.	20.	22.	6.
3	LOWER SNIVELY	1060	46.	23.	20.	****	18.	27.	32.	30.	44.	53.	50.	34.	27.	32.	8.
4	UPPER SNIVELY	1750	43.	16.	15.	****	10.	20.	26.	24.	40.	44.	43.	33.	22.	28.	6.
5	BENSON RANCH	0620	34.	8.	7.	****	4.	14.	20.	13.	30.	42.	37.	22.	10.	10.	-2.
6	UPPER BENSON	0800	44.	24.	21.	****	18.	25.	32.	30.	47.	54.	52.	37.	26.	25.	9.
7	ALLUVIAL FAN	1140	48.	22.	19.	****	18.	25.	32.	30.	44.	49.	52.	34.	25.	30.	8.
7A	LOWER LARK SPUR	1600	****	****	20.	****	15.	16.	35.	32.	46.	47.	53.	37.	28.	34.	12.
8	LARK SPUR	1930	44.	24.	17.	****	10.	21.	31.	27.	41.	46.	49.	34.	22.	29.	7.
9	BENSON BASIN	2440	42.	20.	18.	****	9.	20.	27.	24.	42.	44.	47.	33.	25.	27.	8.
10	ANDERSON RIM	2900	37.	15.	12.	****	3.	16.	25.	16.	37.	37.	40.	30.	20.	23.	4.
11	ANDERSON FIELD	3080	37.	22.	15.	****	10.	17.	30.	22.	34.	37.	43.	30.	24.	27.	****
12	HOPSAGE	0520	37.	15.	11.	****	6.	19.	23.	18.	34.	44.	42.	26.	11.	13.	0.
13	TELEMETER	1200	44.	25.	20.	****	16.	24.	32.	30.	44.	55.	52.	36.	24.	27.	7.
14	RATTLESNAKE CREST NE	3350	36.	23.	17.	****	8.	17.	28.	22.	36.	38.	44.	28.	27.	27.	****
15	RATTLESNAKE CREST	3540	35.	22.	15.	****	7.	15.	26.	20.	36.	37.	46.	27.	26.	26.	2.
16	RATTLESNAKE CREST SW	3500	35.	22.	15.	****	6.	15.	26.	20.	36.	37.	43.	27.	23.	25.	2.
17	WINTERFAT	0675	41.	23.	19.	****	12.	23.	30.	27.	41.	52.	50.	34.	23.	23.	7.
18	CALUCHORTUS	1250	46.	26.	19.	****	14.	23.	30.	28.	40.	50.	50.	37.	23.	27.	7.
19	BEEBLE PLOT 7	3130	37.	25.	15.	****	6.	18.	29.	23.	38.	39.	40.	29.	15.	24.	6.
20	LOWER COLD CREEK	0440	36.	12.	10.	****	8.	16.	23.	15.	36.	43.	42.	23.	11.	10.	-2.
21	BEEBLE PLOT 3	0630	43.	19.	18.	****	13.	20.	30.	24.	42.	47.	50.	31.	22.	20.	7.
22	BEEBLE PLOT 4	0940	43.	18.	19.	****	12.	22.	28.	20.	37.	42.	46.	32.	18.	22.	4.
23	E. R. C. (Y)	1080	39.	21.	18.	****	13.	23.	27.	23.	38.	46.	47.	34.	20.	22.	4.
24	BEEBLE PLOT 5	1470	45.	27.	22.	****	14.	25.	30.	29.	44.	47.	50.	38.	27.	27.	9.
25	BEEBLE PLOT 6	2480	43.	30.	20.	****	13.	24.	34.	28.	45.	45.	51.	35.	32.	32.	11.

ENGLISH SYSTEM DATA TABULATION

ARRANGED BY ELEVATION

ARID LANDS ECOLOGY RESERVE -- MONTHLY PRECIPITATION (INCHES)

1968-1969

STA- TION	STATION NAME	ELEV. FT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL OCT-MAY	TOTAL JAN-DEC
20	LOWER COLD CREEK	0440	1.09	1.57	1.39	1.39	1.39	.49	1.15	.29	.78	.00	.00	.49	.15	.00	1.40	8.76	7.53
12	HOPSAGE	0520	.86	1.35	1.09	1.09	1.09	.07	.94	.41	.76	.00	.00	.51	.17	.00	1.60	6.91	6.65
5	BENSON RANCH	0620	.98	1.42	1.06	1.06	1.06	.07	.82	.48	.49	.00	.00	.52	.18	.00	1.47	6.95	6.15
21	BEEBLE PLOT 3	0630	1.16	1.84	1.07	1.07	1.07	.56	1.23	.26	.89	.00	.00	.62	.20	.00	1.42	8.26	7.32
1	UPPER COLD CREEK	0670	.94	1.28	1.03	1.03	1.03	.19	.71	.47	.14	.00	.00	.32	.25	.00	1.40	6.69	5.55
17	WINTERFAT	0675	1.19	1.84	1.03	1.03	1.03	.11	.56	.34	.45	.00	.00	.54	.30	.00	1.55	7.14	5.92
2	RATTLESNAKE SPRINGS	0690	.97	1.50	1.02	1.02	1.02	.15	.90	.51	.15	.00	.00	.31	.20	.00	1.55	7.10	5.82
6	UPPER BENSON	0800	.98	1.49	1.03	1.03	1.03	.00	.81	.48	.41	.00	.00	.59	.20	.00	1.69	6.86	6.25
22	BEEBLE PLOT 4	0940	1.31	1.90	1.06	1.06	1.06	.71	1.09	.37	.77	.00	.00	.69	.25	.00	1.35	8.55	7.34
3	LOWER SNIVELY	1060	1.35	1.83	1.13	1.13	1.13	.11	1.20	.64	.34	.00	.00	.45	.40	.00	1.66	8.53	7.07
23	E. R. C. (Y)	1080	1.35	1.94	1.11	1.11	1.11	.90	1.12	.44	.91	.00	.00	.68	.25	.00	1.52	9.08	8.04
7	ALLOUVIAL FAN	1140	1.24	1.76	1.09	1.09	1.09	.04	1.12	.52	.27	.00	.00	.84	.20	.00	1.70	7.94	6.86
13	TELEMETER	1200	1.35	1.99	1.24	1.24	1.24	.11	1.27	.52	.54	.00	.00	.86	.25	.00	1.63	8.95	7.65
18	CALOCHORTUS	1250	1.23	1.95	1.22	1.22	1.22	.64	1.28	.60	.83	.00	.00	.61	.33	.00	1.67	9.37	8.41
24	BEEBLE PLOT 5	1470	1.50	1.91	1.13	1.13	1.13	.86	1.15	.63	.93	.00	.00	1.17	.35	.00	1.43	9.44	8.78
7A	LOWER LARK SPUR	1600	****	****	****	****	****	****	****	****	****	****	****	****	.20	.00	1.81	.00	2.01
4	UPPER SNIVELY	1750	1.45	2.02	1.32	1.32	1.32	.15	1.51	.80	.55	.00	.00	.70	.50	.00	1.67	9.90	8.53
6	LARK SPUR	1930	1.43	2.16	1.36	1.36	1.36	.04	1.26	.52	.49	.00	.00	1.03	.20	.00	1.95	9.50	8.22
9	BENSON BASIN	2440	1.76	2.31	1.45	1.45	1.45	.11	1.46	.75	.52	.00	.00	1.21	.25	.00	2.11	10.75	9.32
25	BEEBLE PLOT 6	2480	1.80	1.68	1.11	1.11	1.11	.64	1.30	.63	1.15	.00	.00	.83	.37	.00	1.43	9.37	8.56
10	ANDERSON RIM	2900	2.40	2.35	1.47	1.47	1.47	.19	1.46	.83	.60	.00	.00	1.31	.46	.00	2.04	11.63	9.82
11	ANDERSON FIELD	3080	1.52	2.25	1.19	1.19	1.19	.11	1.39	.75	.53	.00	.00	1.14	.40	.00	1.28	9.59	7.98
10	BEEBLE PLOT 7	3130	1.69	2.14	1.13	1.13	1.13	.34	1.57	.78	.87	.00	.00	1.09	.35	.00	1.38	9.91	8.64
14	RATTLESNAKE CREST NE	3350	1.54	2.13	1.17	1.17	1.17	.11	1.49	.56	.81	.00	.00	1.05	.40	.00	1.41	9.33	8.16
15	RATTLESNAKE CREST SW	3500	1.24	1.80	1.43	1.43	1.43	.71	1.16	.64	.92	.00	.00	.73	.20	.00	1.09	9.84	8.31
16	RATTLESNAKE CREST	3540	****	****	****	****	****	****	****	****	****	****	****	****	.25	.00	1.20	.00	1.45

**** INDICATES MISSING DATA, ? INDICATES ESTIMATED DATA.

ARID LANDS ECOLOGY RESERVE -- MONTHLY PRECIPITATION (INCHES)

1969-1970

STA- TION	STATION NAME	ELEV. FT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL OCT-MAY	TOTAL JAN-DEC
20	LOWER COLD CREEK	0440	.15	.00	1.40	1.95	2.19	2.43	1.07	.00	.15	.00	.00	.01	.19	.50	1.32	7.95	8.57
12	HOPSAGE	0520	.17	.00	1.60	1.85	2.18	2.04	1.27	.00	.25	.35	.00	.00	.30	.27	.90	7.78	8.08
5	JENSON RANCH	0620	.18	.00	1.47	1.78	2.17	2.78	.85	.00	.25	.00	.00	.00	.29	.45	1.05	6.83	7.22
21	BEETLE PLOT 3	0630	.20	.00	1.42	1.78	2.17	2.50	1.00	.00	.30	.00	.00	.01	.22	.47	1.38	7.67	8.43
1	UPPER COLD CREEK	0670	.25	.00	1.40	1.47	2.14	2.75	.75	.00	.25	.00	.00	.00	.25	.38	1.12	6.10	6.45
17	WINTERFAT	0675	.30	.00	1.55	1.72	2.17	2.52	1.30	.00	.30	.02	.00	.01	.24	.51	1.65	8.12	9.00
2	RATTLESNAKE SPRINGS	0690	.20	.00	1.55	1.70	2.17	2.70	.55	.00	.25	.00	.00	.00	.29	.41	1.03	6.40	6.63
6	UPPER BENSON	0800	.20	.00	1.69	1.82	2.18	2.94	.95	.00	.35	.37	.00	.00	.34	.43	1.31	7.43	8.34
22	BEETLE PLOT 4	0940	.25	.00	1.35	2.15	2.15	2.74	.90	.00	.25	.07	.00	.00	.35	.52	1.40	8.54	9.53
3	LOWER SNIVELY	1060	.40	.00	1.66	1.80	2.18	2.28	.65	.00	.20	.00	.00	.00	.49	.54	1.50	7.59	8.26
23	E. R. C. (Y)	1080	.25	.00	1.52	1.77	2.17	2.65	.60	.00	.10	.00	.00	.01	.30	.64	1.50	7.56	8.34
7	ALLUVIAL FAN	1140	.20	.00	1.70	1.85	2.15	2.54	1.25	.00	.20	.25	.00	.00	.59	.61	1.68	8.39	9.82
13	TELEMETER	1200	.25	.00	1.63	2.15	2.15	2.26	.85	.00	.10	.00	.00	.00	.64	.77	2.05	9.29	10.97
14	CALOCHORTUS	1250	.33	.00	1.67	2.15	2.15	2.22	1.33	.00	.15	.00	.00	.00	.58	.84	2.06	9.85	11.48
24	BEETLE PLOT 5	1470	.35	.00	1.43	1.90	2.19	2.85	1.30	.00	.10	.00	.00	.01	.35	.60	1.54	8.73	9.55
7A	LOWER LARK SPUR	1600	.20	.00	1.81	1.70	2.17	2.78	1.25	.00	.08	.35	.00	.00	.58	.60	1.70	8.44	9.74
4	UPPER SNIVELY	1750	.50	.00	1.67	1.91	2.19	2.70	.81	.00	.15	.00	.00	.00	1.02	.63	1.62	8.50	9.75
8	LARK SPUR	1930	.20	.00	1.95	1.97	2.19	2.15	1.32	.00	.18	.15	.00	.00	.72	.69	1.75	9.57	10.91
9	BENSON BASIN	2440	.25	.00	2.11	2.19	2.19	2.04	1.42	.00	.17	.70	.00	.00	.72	.73	1.85	10.19	12.00
25	BEETLE PLOT 6	2480	.37	.00	1.43	1.80	2.18	2.70	1.25	.00	.10	.00	.00	.02	.42	.61	1.08	8.35	8.78
10	ANDERSON RIM	2900	.46	.00	2.04	2.19	2.19	2.95	1.20	.00	.15	.35	.00	.00	.77	.72	1.76	10.03	11.28
11	ANDERSON FIELD	3080	.40	.00	1.28	1.73	2.17	2.67	1.05	.00	.15	.35	.00	.00	.67	.67	1.00	7.85	9.01
12	BEETLE PLOT 7	3130	.35	.00	1.38	1.97	2.19	2.90	.90	.00	.10	.02	.00	.01	.54	.67	1.30	8.48	9.39
14	RATTLESNAKE CREST NE	3350	.40	.00	1.41	1.98	2.19	2.75	1.20	.00	.10	.05	.00	.05	.46	.69	.80	8.71	9.05
15	RATTLESNAKE CREST SW	3500	.20	.00	1.09	1.44	2.14	2.25	.68	.00	.10	.00	.00	.00	.32	.58	.53	6.10	6.34
16	RATTLESNAKE CREST	3540	.25	.00	1.20	1.56	2.15	2.23	.47	.00	.10	.00	.00	.00	.34	.63	.50	6.27	6.39

*** INDICATES MISSING DATA. 2 INDICATES ESTIMATED DATA.

ARID LANDS ECOLOGY RESERVE -- MONTHLY PRECIPITATION (INCHES)

1968-1969

STATION	STATION NAME	ELEV. FT																TOTAL	TOTAL	
			OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	OCT-MAY	JAN-DEC	
----	-----	----	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	-----	-----	
20	LOWER COLD CREEK	0440	1.09	1.57	1.39	1.39	1.39	.49	1.15	.29	.78	.00	.00	.49	.15	.00	1.40	8.76	7.53	
12	HOPSAGE	0520	.86	1.35	1.09	1.09	1.09	.07	.94	.41	.76	.00	.00	.51	.17	.00	1.60	6.91	6.65	
5	BENSON RANCH	0620	.98	1.42	1.06	1.06	1.06	.07	.82	.48	.49	.00	.00	.52	.18	.00	1.47	6.95	6.15	
21	BEETLE PLOT 3	0630	1.16	1.84	1.07	1.07	1.07	.56	1.23	.26	.89	.00	.00	.62	.20	.00	1.42	8.26	7.32	
1	UPPER COLD CREEK	0670	.94	1.28	1.03	1.03	1.03	.19	.71	.47	.14	.00	.00	.32	.25	.00	1.40	6.69	5.55	
17	WINTERFAT	0675	1.19	1.84	1.03	1.03	1.03	.11	.56	.34	.45	.00	.00	.54	.30	.00	1.55	7.14	5.92	
2	RATTLESNAKE SPRINGS	0690	.97	1.50	1.02	1.02	1.02	.15	.90	.51	.15	.00	.00	.31	.20	.00	1.55	7.10	5.82	
6	UPPER BENSON	0800	.98	1.49	1.03	1.03	1.03	.00	.81	.48	.41	.00	.00	.59	.20	.00	1.69	6.86	6.25	
22	BEETLE PLOT 4	0940	1.31	1.90	1.06	1.06	1.06	.71	1.09	.37	.77	.00	.00	.69	.25	.00	1.35	8.55	7.34	
3	LOWER SNIVELY	1060	1.35	1.83	1.13	1.13	1.13	.11	1.20	.64	.34	.00	.00	.45	.40	.00	1.66	8.53	7.07	
23	E. R. C. (Y)	1080	1.35	1.94	1.11	1.11	1.11	.90	1.12	.44	.91	.00	.00	.68	.25	.00	1.52	9.08	8.04	
7	ALLUVIAL FAN	1140	1.24	1.76	1.09	1.09	1.09	.04	1.12	.52	.27	.00	.00	.84	.20	.00	1.70	7.94	6.86	
13	TELEMETER	1200	1.35	1.99	1.24	1.24	1.24	.11	1.27	.52	.54	.00	.00	.86	.25	.00	1.63	8.95	7.65	
18	CALOCHORTUS	1250	1.23	1.95	1.22	1.22	1.22	.64	1.28	.60	.83	.00	.00	.61	.33	.00	1.67	9.37	8.41	
24	BEETLE PLOT 5	1470	1.50	1.91	1.13	1.13	1.13	.86	1.15	.63	.93	.00	.00	1.17	.35	.00	1.43	9.44	8.78	
7A	LOWER LARK SPUR	1600	****	****	****	****	****	****	****	****	****	****	****	****	****	.20	.00	1.81	.00	2.01
4	UPPER SNIVELY	1750	1.45	2.02	1.32	1.32	1.32	.15	1.51	.80	.55	.00	.00	.70	.50	.00	1.67	9.90	8.53	
8	LARK SPUR	1930	1.43	2.16	1.36	1.36	1.36	.04	1.26	.52	.49	.00	.00	1.03	.20	.00	1.95	9.50	8.22	
9	BENSON BASIN	2440	1.76	2.31	1.45	1.45	1.45	.11	1.46	.75	.52	.00	.00	1.21	.25	.00	2.11	10.75	9.32	
25	BEETLE PLOT 6	2480	1.80	1.68	1.11	1.11	1.11	.64	1.30	.63	1.15	.00	.00	.83	.37	.00	1.43	9.37	8.56	
10	ANDERSON RIM	2900	2.40	2.35	1.47	1.47	1.47	.19	1.46	.83	.60	.00	.00	1.31	.46	.00	2.04	11.63	9.82	
11	ANDERSON FIELD	3080	1.52	2.25	1.19	1.19	1.19	.11	1.39	.75	.53	.00	.00	1.14	.40	.00	1.28	9.59	7.98	
19	BEETLE PLOT 7	3130	1.69	2.14	1.13	1.13	1.13	.34	1.57	.78	.87	.00	.00	1.09	.35	.00	1.38	9.91	8.64	
14	RATTLESNAKE CREST NE	3350	1.54	2.13	1.17	1.17	1.17	.11	1.49	.56	.81	.00	.00	1.05	.40	.00	1.41	9.33	8.16	
16	RATTLESNAKE CREST SW	3500	1.24	1.80	1.43	1.43	1.43	.71	1.16	.64	.92	.00	.00	.73	.20	.00	1.09	9.84	8.31	
15	RATTLESNAKE CREST	3540	****	****	****	****	****	****	****	****	****	****	****	****	****	.25	.00	1.20	.00	1.45

ARID LANDS ECOLOGY RESERVE -- MONTHLY PRECIPITATION (INCHES)

1969-1970

STATION	STATION NAME	ELEV. FT													TOTAL			TOTAL OCT-MAY	TOTAL JAN-DEC
			OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		
20	LOWER COLD CREEK	0440	.15	.00	1.40	1.95	1.95	1.43	1.07	.00	.15	.00	.00	.01	.19	.50	1.32	7.95	8.57
12	HOPSAGE	0520	.17	.00	1.60	1.85	1.85	1.04	1.27	.00	.25	.35	.00	.00	.30	.27	.90	7.78	8.08
5	BENSON RANCH	0620	.18	.00	1.47	1.78	1.78	.78	.85	.00	.25	.00	.00	.00	.29	.45	1.05	6.83	7.22
21	BEETLE PLOT 3	0630	.20	.00	1.42	1.78	1.78	1.50	1.00	.00	.30	.00	.00	.01	.22	.47	1.38	7.67	8.43
1	UPPER COLD CREEK	0670	.25	.00	1.40	1.47	1.47	.75	.75	.00	.25	.00	.00	.00	.25	.38	1.12	6.10	6.45
17	WINTERFAT	0675	.30	.00	1.55	1.72	1.72	1.52	1.30	.00	.30	.02	.00	.01	.24	.51	1.65	8.12	9.00
2	RATTLESNAKE SPRINGS	0690	.20	.00	1.55	1.70	1.70	.70	.55	.00	.25	.00	.00	.00	.29	.41	1.03	6.40	6.63
6	UPPER BENSON	0800	.20	.00	1.69	1.82	1.82	.94	.95	.00	.35	.37	.00	.00	.34	.43	1.31	7.43	8.34
22	BEETLE PLOT 4	0940	.25	.00	1.35	2.15	2.15	1.74	.90	.00	.25	.07	.00	.00	.35	.52	1.40	8.54	9.53
3	LOWER SNIVELY	1060	.40	.00	1.66	1.80	1.80	1.28	.65	.00	.20	.00	.00	.00	.49	.54	1.50	7.59	8.26
23	E. R. C. (Y)	1080	.25	.00	1.52	1.77	1.77	1.65	.60	.00	.10	.00	.00	.01	.30	.64	1.50	7.56	8.34
7	ALLUVIAL FAN	1140	.20	.00	1.70	1.85	1.85	1.54	1.25	.00	.20	.25	.00	.00	.59	.61	1.68	8.39	9.82
13	TELEMETER	1200	.25	.00	1.63	2.15	2.15	2.26	.85	.00	.10	.00	.00	.00	.64	.77	2.05	9.29	10.97
18	CALOCHORTUS	1250	.33	.00	1.67	2.15	2.15	2.22	1.33	.00	.15	.00	.00	.00	.58	.84	2.06	9.85	11.48
24	BEETLE PLOT 5	1470	.35	.00	1.43	1.90	1.90	1.85	1.30	.00	.10	.00	.00	.01	.35	.60	1.54	8.73	9.55
7A	LOWER LARK SPUR	1600	.20	.00	1.81	1.70	1.70	1.78	1.25	.00	.08	.35	.00	.00	.58	.60	1.70	8.44	9.74
4	UPPER SNIVELY	1750	.50	.00	1.67	1.91	1.91	1.70	.81	.00	.15	.00	.00	.00	1.02	.63	1.62	8.50	9.75
8	LARK SPUR	1930	.20	.00	1.95	1.97	1.97	2.15	1.32	.00	.18	.15	.00	.00	.72	.69	1.75	9.57	10.91
9	BENSON BASIN	2440	.25	.00	2.11	2.19	2.19	2.04	1.42	.00	.17	.70	.00	.00	.72	.73	1.85	10.19	12.00
25	BEETLE PLOT 6	2480	.37	.00	1.43	1.80	1.80	1.70	1.25	.00	.10	.00	.00	.02	.42	.61	1.08	8.35	8.78
10	ANDERSON RIM	2900	.46	.00	2.04	2.19	2.19	1.95	1.20	.00	.15	.35	.00	.00	.77	.72	1.76	10.03	11.28
11	ANDERSON FIELD	3080	.40	.00	1.28	1.73	1.73	1.67	1.05	.00	.15	.35	.00	.00	.67	.67	1.00	7.85	9.01
19	BEETLE PLOT 7	3130	.35	.00	1.38	1.97	1.97	1.90	.90	.00	.10	.02	.00	.01	.54	.67	1.30	8.48	9.39
14	RATTLESNAKE CREST NE	3350	.40	.00	1.41	1.98	1.98	1.75	1.20	.00	.10	.05	.00	.05	.46	.69	.80	8.71	9.05
16	RATTLESNAKE CREST SW	3500	.20	.00	1.09	1.44	1.44	1.25	.68	.00	.10	.00	.00	.00	.32	.58	.53	6.10	6.34
15	RATTLESNAKE CREST	3540	.25	.00	1.20	1.56	1.56	1.23	.47	.00	.10	.00	.00	.00	.34	.63	.50	6.27	6.39

ARID LANDS ECOLOGY RESERVE -- MONTHLY MAXIMUM TEMPERATURES (FAHRENHEIT)

1967-1968

STATION	STATION NAME	ELEV. FT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
---	-----	----	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
20	LOWER COLD CREEK	0440	****	****	****	****	****	77.	90.	98.	109.	110.	103.	101.	88.	66.	62.
12	HOPSAGE	0520	****	****	****	****	****	76.	90.	98.	111.	108.	105.	103.	91.	65.	62.
5	BENSON RANCH	0620	****	****	****	****	****	78.	92.	99.	112.	112.	105.	103.	92.	64.	60.
21	BEETLE PLOT 3	0630	****	****	****	****	****	82.	92.	98.	114.	118.	93.	104.	90.	66.	62.
1	UPPER COLD CREEK	0670	****	****	****	****	****	77.	90.	98.	112.	109.	102.	102.	91.	67.	62.
17	WINTERFAT	0675	****	****	****	****	****	76.	92.	98.	109.	****	102.	101.	88.	64.	60.
2	RATTLESNAKE SPRINGS	0690	****	****	****	****	****	74.	90.	96.	109.	116.	102.	101.	91.	64.	60.
6	UPPER BENSON	0800	****	****	****	****	****	76.	91.	97.	110.	106.	104.	101.	90.	64.	60.
22	BEETLE PLOT 4	0940	****	****	****	****	****	78.	89.	98.	112.	117.	92.	102.	89.	66.	60.
3	LOWER SNIVELY	1060	****	****	****	****	****	70.	86.	94.	108.	114.	100.	98.	88.	62.	56.
23	E. R. C. (Y)	1080	****	****	****	****	****	76.	90.	96.	108.	107.	104.	100.	88.	62.	60.
7	ALLUVIAL FAN	1140	****	****	****	****	****	66.	88.	95.	108.	112.	100.	100.	88.	62.	57.
13	TELEMETER	1200	****	****	****	****	****	74.	88.	94.	108.	110.	102.	100.	88.	62.	54.
18	CALOCHORTUS	1250	****	****	****	****	****	74.	86.	94.	107.	106.	100.	100.	88.	62.	54.
24	BEETLE PLOT 5	1470	****	****	****	****	****	74.	87.	96.	110.	114.	98.	98.	86.	62.	56.
7A	LOWER LARK SPUR	1600	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
4	UPPER SNIVELY	1750	****	****	****	****	****	68.	82.	91.	104.	112.	100.	98.	88.	59.	54.
8	LARK SPUR	1930	****	****	****	****	****	71.	84.	92.	104.	100.	96.	97.	87.	58.	52.
9	BENSON BASIN	2440	****	****	****	****	****	68.	80.	89.	102.	98.	96.	94.	84.	56.	51.
25	BEETLE PLOT 6	2480	****	****	****	****	****	68.	82.	90.	100.	106.	93.	94.	79.	58.	49.
10	ANDERSON RIM	2900	****	****	****	****	****	66.	78.	88.	100.	94.	91.	92.	78.	63.	48.
11	ANDERSON FIELD	3080	****	****	****	****	****	70.	78.	87.	100.	95.	95.	94.	83.	66.	48.
19	BEETLE PLOT 7	3130	****	****	****	****	****	78.	78.	86.	96.	104.	79.	97.	82.	68.	50.
14	RATTLESNAKE CREST NE	3350	****	****	****	****	****	65.	76.	81.	98.	****	87.	86.	76.	64.	46.
16	RATTLESNAKE CREST SW	3500	****	****	****	****	****	65.	77.	88.	96.	****	92.	91.	80.	51.	47.
15	RATTLESNAKE CREST	3540	****	****	****	****	****	64.	76.	84.	96.	****	91.	88.	78.	62.	46.

ARID LANDS ECOLOGY RESERVE -- MONTHLY MAXIMUM TEMPERATURES (FAHRENHEIT)

1968-1969

STA- TION	STATION NAME	ELEV. FT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
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20	LOWER COLD CREEK	0440	88.	66.	62.	44.	50.	74.	81.	104.	110.	109.	107.	103.	89.	76.	69.
12	HOPSAGE	0520	91.	65.	62.	45.	49.	77.	86.	103.	****	109.	107.	102.	89.	78.	66.
5	BENSON RANCH	0620	92.	64.	60.	44.	****	72.	83.	108.	118.	118.	116.	107.	93.	82.	67.
21	BEETLE PLOT 3	0630	90.	66.	62.	44.	51.	76.	82.	104.	112.	112.	110.	106.	90.	78.	65.
1	UPPER COLD CREEK	0670	91.	67.	62.	44.	48.	71.	82.	108.	118.	120.	117.	109.	93.	83.	68.
17	WINTERFAT	0675	88.	64.	60.	44.	****	76.	84.	102.	109.	108.	106.	103.	100.	77.	64.
2	RATTLESNAKE SPRINGS	0690	91.	64.	60.	46.	****	70.	83.	102.	109.	110.	107.	100.	85.	75.	63.
6	UPPER BENSON	0800	90.	64.	60.	44.	****	72.	86.	102.	109.	111.	107.	102.	87.	77.	65.
22	BEETLE PLOT 4	0940	89.	66.	60.	42.	50.	74.	82.	104.	112.	110.	108.	105.	89.	78.	66.
3	LOWER SNIVELY	1060	88.	62.	56.	42.	****	68.	80.	100.	111.	111.	109.	100.	88.	75.	63.
23	E. R. C. (Y)	1080	88.	62.	60.	44.	49.	72.	80.	98.	106.	108.	103.	98.	83.	72.	62.
7	ALLUVIAL FAN	1140	88.	62.	57.	41.	****	68.	80.	99.	108.	109.	106.	99.	85.	73.	63.
13	TELEMETER	1200	88.	62.	54.	44.	46.	70.	79.	101.	106.	110.	105.	101.	87.	73.	62.
18	CALOCHORTUS	1250	88.	62.	54.	46.	48.	68.	80.	99.	108.	108.	104.	100.	87.	75.	63.
24	BEETLE PLOT 5	1470	86.	62.	56.	48.	46.	68.	79.	97.	104.	106.	102.	98.	82.	71.	62.
7A	LOWER LARK SPUR	1600	****	****	****	****	****	****	****	****	****	****	****	****	****	****	55.
4	UPPER SNIVELY	1750	88.	59.	54.	47.	****	69.	75.	96.	107.	107.	105.	100.	85.	75.	63.
8	LARK SPUR	1930	87.	58.	52.	48.	****	66.	76.	95.	106.	106.	102.	98.	84.	71.	61.
9	BENSON BASIN	2440	84.	56.	51.	46.	****	67.	74.	92.	101.	105.	98.	94.	79.	74.	60.
25	BEETLE PLOT 6	2480	79.	58.	49.	44.	42.	65.	74.	92.	100.	100.	98.	93.	77.	74.	60.
10	ANDERSON RIM	2900	78.	63.	48.	43.	****	64.	70.	88.	98.	99.	96.	93.	76.	73.	62.
11	ANDERSON FIELD	3080	83.	66.	48.	44.	****	65.	70.	89.	100.	102.	100.	97.	80.	75.	65.
19	BEETLE PLOT 7	3130	82.	68.	50.	46.	42.	64.	72.	90.	99.	98.	99.	93.	78.	75.	67.
14	RATTLESNAKE CREST NE	3350	76.	64.	46.	44.	****	56.	66.	82.	93.	95.	90.	87.	73.	72.	61.
16	RATTLESNAKE CREST SW	3500	80.	51.	47.	44.	38.	62.	70.	87.	97.	96.	95.	90.	74.	72.	65.
15	RATTLESNAKE CREST	3540	78.	62.	46.	44.	41.	62.	68.	86.	96.	94.	92.	88.	73.	70.	62.

ARID LANDS ECOLOGY RESERVE -- MONTHLY MAXIMUM TEMPERATURES (FAHRENHEIT)

1969-1970

STATION	STATION NAME	ELEV. FT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
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20	LOWER COLD CREEK	0440	89.	76.	69.	****	58.	67.	74.	98.	111.	113.	113.	108.	95.	66.	59.
12	HOPSAGE	0520	89.	78.	66.	****	60.	69.	77.	98.	111.	113.	114.	109.	93.	68.	61.
5	BENSON RANCH	0620	93.	82.	67.	****	59.	70.	76.	100.	115.	117.	117.	111.	93.	68.	63.
21	BEETLE PLOT 3	0630	90.	78.	65.	****	58.	68.	79.	102.	113.	115.	115.	110.	95.	66.	58.
1	UPPER COLD CREEK	0670	93.	83.	68.	****	58.	70.	75.	105.	120.	122.	120.	114.	96.	68.	61.
17	WINTERFAT	0675	100.	77.	64.	****	58.	68.	75.	97.	110.	112.	112.	107.	92.	66.	58.
2	RATTLESNAKE SPRINGS	0690	85.	75.	63.	****	56.	68.	72.	98.	110.	112.	113.	108.	90.	65.	57.
6	UPPER BENSON	0800	87.	77.	65.	****	59.	70.	75.	100.	113.	112.	114.	109.	92.	66.	60.
22	BEETLE PLOT 4	0940	89.	78.	66.	****	59.	68.	77.	101.	113.	116.	115.	110.	94.	67.	57.
3	LOWER SNIVELY	1060	88.	75.	63.	****	56.	66.	71.	98.	108.	112.	112.	106.	89.	62.	58.
23	E. R. C. (Y)	1080	83.	72.	62.	****	55.	65.	72.	96.	108.	110.	110.	104.	90.	60.	54.
7	ALLUVIAL FAN	1140	85.	73.	63.	****	56.	66.	72.	96.	109.	111.	111.	107.	90.	64.	58.
13	TELEMETER	1200	87.	73.	62.	****	54.	65.	72.	95.	107.	109.	109.	103.	89.	60.	58.
18	CALOCHORTUS	1250	87.	75.	63.	****	54.	66.	72.	96.	109.	111.	114.	106.	89.	59.	58.
24	BEETLE PLOT 5	1470	82.	71.	62.	****	52.	63.	70.	94.	106.	109.	109.	103.	88.	58.	54.
7A	LOWER LARK SPUR	1600	****	****	55.	****	53.	65.	70.	94.	108.	110.	110.	105.	86.	58.	54.
4	UPPER SNIVELY	1750	85.	75.	63.	****	54.	68.	70.	93.	105.	107.	108.	104.	86.	58.	55.
8	LARK SPUR	1930	84.	71.	61.	****	52.	63.	68.	94.	107.	107.	108.	103.	85.	57.	53.
9	BENSON BASIN	2440	79.	74.	60.	****	48.	63.	67.	90.	101.	103.	104.	98.	86.	53.	50.
25	BEETLE PLOT 6	2480	77.	74.	60.	****	49.	59.	66.	89.	103.	105.	104.	98.	85.	57.	52.
10	ANDERSON RIM	2900	76.	73.	62.	****	43.	57.	63.	87.	100.	101.	102.	96.	86.	55.	46.
11	ANDERSON FIELD	3080	80.	75.	65.	****	48.	61.	64.	85.	103.	106.	104.	97.	88.	60.	****
19	BEETLE PLOT 7	3130	78.	75.	67.	****	48.	60.	68.	87.	100.	103.	103.	98.	86.	59.	50.
14	RATTLESNAKE CREST NE	3350	73.	72.	61.	****	41.	53.	59.	80.	93.	95.	97.	92.	79.	53.	****
16	RATTLESNAKE CREST SW	3500	74.	72.	65.	****	42.	56.	61.	84.	100.	100.	100.	95.	86.	57.	45.
15	RATTLESNAKE CREST	3540	73.	70.	62.	****	41.	54.	60.	83.	98.	99.	99.	94.	82.	53.	44.

ARID LANDS ECOLOGY RESERVE -- MONTHLY MINIMUM TEMPERATURES (FAHRENHEIT)

1967-1968

STATION	STATION NAME	ELEV. FT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
20	LOWER COLD CREEK	0440	****	****	****	****	****	16.	13.	25.	36.	40.	52.	38.	24.	18.	16.
12	HOPSAGE	0520	****	****	****	****	****	16.	14.	26.	32.	42.	47.	34.	24.	19.	15.
5	BENSON RANCH	0620	****	****	****	****	****	15.	12.	23.	30.	35.	44.	34.	25.	22.	18.
21	BEETLE PLOT 3	0630	****	****	****	****	****	22.	22.	30.	38.	40.	50.	40.	29.	24.	22.
1	UPPER COLD CREEK	0670	****	****	****	****	****	16.	14.	24.	36.	43.	45.	36.	26.	22.	19.
17	WINTERFAT	0675	****	****	****	****	****	25.	20.	34.	40.	****	50.	40.	34.	26.	20.
2	RATTLESNAKE SPRINGS	0690	****	****	****	****	****	22.	18.	31.	36.	43.	49.	39.	31.	26.	22.
6	UPPER BENSON	0800	****	****	****	****	****	22.	20.	34.	39.	45.	50.	41.	33.	28.	23.
22	BEETLE PLOT 4	0940	****	****	****	****	****	24.	20.	32.	40.	40.	48.	39.	32.	23.	20.
3	LOWER SNIVELY	1060	****	****	****	****	****	29.	26.	34.	39.	44.	50.	39.	36.	30.	19.
23	E. R. C. (Y)	1080	****	****	****	****	****	24.	22.	32.	36.	40.	48.	40.	32.	27.	21.
7	ALLUVIAL FAN	1140	****	****	****	****	****	30.	22.	36.	40.	48.	51.	44.	36.	32.	21.
13	TELEMETER	1200	****	****	****	****	****	26.	24.	34.	40.	46.	48.	40.	34.	30.	22.
18	CALOCHORTUS	1250	****	****	****	****	****	24.	23.	34.	40.	43.	48.	39.	33.	28.	22.
24	BEETLE PLOT 5	1470	****	****	****	****	****	29.	24.	32.	40.	44.	50.	40.	34.	29.	22.
7A	LOWER LARK SPUR	1600	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
4	UPPER SNIVELY	1750	****	****	****	****	****	26.	21.	30.	36.	41.	48.	38.	32.	27.	16.
6	LARK SPUR	1930	****	****	****	****	****	23.	22.	30.	39.	42.	46.	40.	32.	24.	15.
9	BENSON BASIN	2440	****	****	****	****	****	20.	14.	25.	37.	38.	46.	38.	32.	24.	18.
25	BEETLE PLOT 6	2480	****	****	****	****	****	26.	20.	28.	36.	44.	46.	41.	36.	31.	21.
10	ANDERSON RIM	2900	****	****	****	****	****	20.	12.	22.	32.	34.	42.	32.	26.	20.	14.
11	ANDERSON FIELD	3080	****	****	****	****	****	21.	14.	22.	34.	36.	40.	34.	30.	25.	15.
19	BEETLE PLOT 7	3130	****	****	****	****	****	22.	16.	26.	38.	40.	42.	39.	32.	28.	18.
14	RATTLESNAKE CREST NE	3350	****	****	****	****	****	20.	20.	23.	34.	****	44.	38.	32.	26.	16.
16	RATTLESNAKE CREST SW	3500	****	****	****	****	****	22.	18.	22.	34.	****	42.	36.	32.	26.	15.
15	RATTLESNAKE CREST	3540	****	****	****	****	****	23.	18.	22.	34.	****	44.	36.	32.	26.	15.

ARID LANDS ECOLOGY RESERVE -- MONTHLY MINIMUM TEMPERATURES (FAHRENHEIT)

1968-1969

STATION	STATION NAME	ELEV. FT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
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20	LOWER COLD CREEK	0440	24.	18.	16.	-15.	-6.	16.	21.	28.	40.	42.	38.	31.	36.	12.	10.
12	HOPSAGE	0520	24.	19.	15.	-15.	-12.	16.	22.	31.	41.	46.	39.	32.	37.	15.	11.
5	BENSON RANCH	0620	25.	22.	18.	-16.	****	4.	18.	30.	39.	40.	34.	27.	34.	8.	7.
21	BEEBLE PLOT 3	0630	29.	24.	22.	-10.	0.	18.	30.	34.	47.	47.	48.	39.	43.	19.	18.
1	UPPER COLD CREEK	0670	26.	22.	19.	-16.	-6.	17.	23.	33.	41.	44.	39.	30.	37.	10.	12.
17	WINTERFAT	0675	34.	26.	20.	-10.	****	4.	30.	37.	43.	50.	46.	45.	41.	23.	19.
2	RATTLESNAKE SPRINGS	0690	31.	26.	22.	-16.	****	-2.	28.	36.	44.	46.	42.	39.	40.	22.	18.
6	UPPER BENSON	0800	33.	28.	23.	-12.	****	10.	31.	40.	45.	52.	47.	43.	44.	24.	21.
22	BEEBLE PLOT 4	0940	32.	23.	20.	-12.	0.	20.	29.	33.	44.	45.	44.	37.	43.	18.	19.
3	LOWER SNIVELY	1060	36.	30.	19.	-15.	****	5.	30.	37.	46.	51.	47.	46.	46.	23.	20.
23	E. R. C. (Y)	1080	32.	27.	21.	-12.	-3.	18.	27.	35.	44.	40.	45.	38.	39.	21.	18.
7	ALLUVIAL FAN	1140	36.	32.	21.	-12.	****	8.	33.	40.	44.	49.	45.	46.	48.	22.	19.
13	TELEMETER	1200	34.	30.	22.	-12.	6.	21.	30.	40.	43.	51.	45.	43.	44.	25.	20.
18	CALOCHORTUS	1250	33.	28.	22.	-12.	2.	22.	29.	41.	43.	50.	45.	39.	46.	26.	19.
24	BEEBLE PLOT 5	1470	34.	29.	22.	-14.	4.	20.	30.	39.	44.	49.	47.	43.	45.	27.	22.
7A	LOWER LARK SPUR	1600	****	****	****	****	****	****	****	****	****	****	****	****	****	****	20.
4	UPPER SNIVELY	1750	32.	27.	16.	-17.	****	0.	27.	35.	42.	43.	42.	35.	43.	16.	15.
8	LARK SPUR	1930	32.	24.	15.	-19.	****	-6.	27.	36.	41.	46.	47.	40.	44.	24.	17.
9	BENSON BASIN	2440	32.	24.	18.	-19.	****	-4.	30.	36.	43.	44.	45.	39.	42.	20.	18.
25	BEEBLE PLOT 6	2480	36.	31.	21.	-14.	2.	23.	33.	39.	45.	46.	50.	44.	43.	30.	20.
10	ANDERSON RIM	2900	26.	20.	14.	-22.	****	-2.	23.	30.	37.	39.	39.	30.	37.	15.	12.
11	ANDERSON FIELD	3080	30.	25.	15.	-20.	****	4.	27.	33.	37.	41.	40.	38.	37.	22.	15.
19	BEEBLE PLOT 7	3130	32.	28.	18.	-16.	2.	19.	26.	33.	39.	38.	38.	33.	37.	25.	15.
14	RATTLESNAKE CREST NE	3350	32.	26.	16.	-18.	****	0.	26.	32.	38.	41.	42.	39.	36.	23.	17.
16	RATTLESNAKE CREST SW	3500	32.	26.	15.	-21.	1.	16.	26.	32.	40.	41.	40.	39.	35.	22.	15.
15	RATTLESNAKE CREST	3540	32.	26.	15.	-22.	-2.	16.	25.	31.	39.	41.	41.	39.	35.	22.	15.

ARID LANDS ECOLOGY RESERVE -- MONTHLY MINIMUM TEMPERATURES (FAHRENHEIT)

1969-1970

STA- TION	STATION NAME	ELEV. FT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
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20	LOWER COLD CREEK	0440	36.	12.	10.	****	8.	16.	23.	15.	36.	43.	42.	23.	11.	10.	-2.
12	HOPSAGE	0520	37.	15.	11.	****	6.	19.	23.	18.	34.	44.	42.	26.	11.	13.	0.
5	BENSON RANCH	0620	34.	8.	7.	****	4.	14.	20.	13.	30.	42.	37.	22.	10.	10.	-2.
21	BEETLE PLOT 3	0630	43.	19.	18.	****	13.	20.	30.	24.	42.	47.	50.	31.	22.	20.	7.
1	UPPER COLD CREEK	0670	37.	10.	12.	****	2.	15.	20.	19.	44.	49.	44.	26.	15.	12.	3.
17	WINTERFAT	0675	41.	23.	19.	****	12.	23.	30.	27.	41.	52.	50.	34.	23.	23.	7.
2	RATTLESNAKE SPRINGS	0690	40.	22.	18.	****	10.	21.	28.	25.	40.	50.	46.	34.	20.	22.	6.
6	UPPER BENSON	0800	44.	24.	21.	****	18.	25.	32.	30.	47.	54.	52.	37.	26.	25.	9.
22	BEETLE PLOT 4	0940	43.	18.	19.	****	12.	22.	28.	20.	37.	42.	46.	32.	18.	22.	4.
3	LOWER SNIVELY	1060	46.	23.	20.	****	18.	27.	32.	30.	44.	53.	50.	34.	27.	32.	8.
23	E. R. C. (Y)	1080	39.	21.	18.	****	13.	23.	27.	23.	38.	46.	47.	34.	20.	22.	4.
7	ALLUVIAL FAN	1140	48.	22.	19.	****	18.	25.	32.	30.	44.	49.	52.	34.	25.	30.	8.
13	TELEMETER	1200	44.	25.	20.	****	16.	24.	32.	30.	44.	55.	52.	36.	24.	27.	7.
18	CALOCHORTUS	1250	46.	26.	19.	****	14.	23.	30.	28.	40.	50.	50.	37.	23.	27.	7.
24	BEETLE PLOT 5	1470	45.	27.	22.	****	14.	25.	30.	29.	44.	47.	50.	38.	27.	27.	9.
7A	LOWER LARK SPUR	1600	****	****	20.	****	15.	16.	35.	32.	46.	47.	53.	37.	28.	34.	12.
4	UPPER SNIVELY	1750	43.	16.	15.	****	10.	20.	26.	24.	40.	44.	43.	33.	22.	28.	6.
8	LARK SPUR	1930	44.	24.	17.	****	10.	21.	31.	27.	41.	46.	49.	34.	22.	29.	7.
9	BENSON BASIN	2440	42.	20.	18.	****	9.	20.	27.	24.	42.	44.	47.	33.	25.	27.	8.
25	BEETLE PLOT 6	2480	43.	30.	20.	****	13.	24.	34.	28.	45.	45.	51.	35.	32.	32.	11.
10	ANDERSON RIM	2900	37.	15.	12.	****	3.	16.	25.	16.	37.	37.	40.	30.	20.	23.	4.
11	ANDERSON FIELD	3080	37.	22.	15.	****	10.	17.	30.	22.	34.	37.	43.	30.	24.	27.	****
19	BEETLE PLOT 7	3130	37.	25.	15.	****	6.	18.	29.	23.	38.	39.	40.	29.	15.	24.	6.
14	RATTLESNAKE CREST NE	3350	36.	23.	17.	****	8.	17.	28.	22.	36.	38.	44.	28.	27.	27.	****
10	RATTLESNAKE CREST SW	3500	35.	22.	15.	****	6.	15.	26.	20.	36.	37.	43.	27.	23.	25.	2.
15	RATTLESNAKE CREST	3540	35.	22.	15.	****	7.	15.	26.	20.	36.	37.	46.	27.	26.	26.	2.

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