

**MEETING OF FEDERAL AND STATE REPRESENTATIVES
FOR REVIEW OF BASIC DATA PERTINENT TO THE
PREPARATION OF OPERATING CRITERIA
FOR THE COLORADO RIVER
PURSUANT TO SECTION 602 OF
PUBLIC LAW 90-537**

**United States
Department of the Interior
Bureau of Reclamation**

July 25, 1969

UPPER COLORADO RIVER
WATER USES WITH PROJECTED
DEPLETIONS AT LEE FERRY

(Without Colorado River Augmentation)

		1968	1980	2000	2030
<u>Arizona</u>					
Existing		15	15	15	15
Current proposals		--	35	35	35
Total		15	50	50	50
<u>Colorado</u>					
Present	(1)	1782	1782	1782	1782
Silt		6	6	6	6
Fryingpan-Arkansas		--	70	70	70
Ruedi Reservoir M&I	(2)	2	30	40	40
Bostwick Park		--	4	4	4
Fruitland Mesa		--	28	28	28
Savery-Pot Hook		--	26	26	26
Denver Expansion		15	85	190	215
Colorado Springs Expansion		--	6	6	6
Homestake		25	45	74	74
Englewood		--	10	10	10
Pueblo		3	3	3	3
Green Mountain M&I		--	12	12	12
Hayden Steam Plant		4	12	16	16
Independence Pass Expansion		--	14	14	14
Animas-La Plata		--	50	112	112
Dolores		--	60	87	87
Dallas Creek		--	20	37	37
West Divide		--	30	76	76
San Miguel		--	40	85	85
Subtotal committed		1837	2333	2678	2703
Current proposals		--			
Four County		--	20	40	40
Total committed and proposed		1837	2353	2718	2743
Estimated salvage		-81	-104	-120	-121
Net depletion at Lee Ferry	(3)	1756	2249	2598	2622
Evaporation storage units		155	342	342	342
Total depletion		1911	2591	2940	2964
Compact apportionment					2976
Not identified					12

		1968	1980	2000	2030
<u>New Mexico</u>					
Present	(4)	90	90	95	95
Navajo Reservoir Evaporation		20	30	30	30
Hammond		10	10	10	10
San Juan-Chama		--	110	110	110
Navajo Indian Irrigation		--	135	200	250
Hogback Expansion		10	20	20	20
Utah Construction Company		15	40	40	40
M&I from Navajo Reservoir		--	100	100	--
Animas-La Plata		--	19	34	34
Total committed		145	554	639	589
Estimated salvage		-5	-19	-22	-21
Net depletion at Lee Ferry	(3)	140	535	617	568
Evaporation storage units		34	74	74	74
Total		174	609	691	642
Compact allotment					647
Not identified					5
<u>Utah</u>					
Present	(5)	581	581	581	581
Bonneville Unit		--	100	166	166
Upalco Unit		--	10	10	10
Jensen Unit		--	15	15	15
Uintah Unit		--	30	30	30
Emery County		17	17	17	17
Subtotal committed		598	753	819	819
Current proposals					
Resources Inc.	(6)	--	31	102	102
Total committed and proposed		598	784	921	921
Estimated salvage		-13	-17	-18	-18
Net depletion at Lee Ferry	(3)	585	767	903	903
Evaporation storage units		69	152	152	152
Total depletion		654	919	1055	1055
Compact apportionment					1323
Not identified (Ute Indian or other)					268

		1968	1980	2000	2030
<u>Wyoming</u>					
Present	(7)	267	267	267	267
Cheyenne and Laramie		7	18	31	31
Seedskaadee		20	90	165	165
Lyman		--	10	10	10
Westvaco and other industrial	(8)	17	60	107	111
Savery-Pot Hook		--	12	12	12
Total committed		311	457	592	596
Estimated salvage		-16	-24	-31	-31
Net depletion at Lee Ferry	(3)	295	433	561	565
Evaporation storage units		42	92	92	92
Total depletion		337	525	653	657
Compact apportionment					804
Not identified					147
<u>Upper Colorado River Basin Total</u>					
Committed		2906	4112	4743	4722
Current proposals		--	86	177	177
Total committed and proposed		2906	4198	4920	4899
Estimated salvage		-115	-164	-191	-191
Net depletion at Lee Ferry	(3)	2791	4034	4729	4708
Evaporation storage units	(9)	300	660	660	660
Total identified depletions		3091	4694	5389	5368
Not identified	(10)	--	84	223	432
Total depletion at Lee Ferry		3091	4778	5612	5800
Subtotal depletion exclusive of reservoir storage units	(11)	2771	4088	4922	5110

(1) Study made in 1965. Includes Collbran, Paonia, Smith Fork, and Florida Projects.

(2) Possible alternative use of all or part of this storage would be for irrigation purposes.

(3) In addition there would be added a share of evaporation losses from units of Colorado River Storage Project.

(4) Study made in 1965. Includes additional water for Farmington starting in year 2000.

(5) Study made in 1965. Includes Vernal Unit of Central Utah Project.

(6) Under terms of proposed contract if water needed for ultimate phase of Central Utah Project, the year 2030 use would reduce to zero.

(7) Study made in 1965. Includes Eden Project and Boulder Lake (S.C.S.).

(8) Non-Federal developments which have been initiated.

(9) Estimated evaporation losses from Curecanti, Flaming Gorge, and Glen Canyon Storage Units. Year 1968 is actual, for the other years the figure represents estimated longtime average. Evaporation will vary from the average depending upon storage content of reservoirs.

(10) Specific projects not identified. Represents net depletion at Lee Ferry.

(11) Navajo Reservoir evaporation is considered to be a New Mexico depletion but since it is a Storage Project Unit the depletion resulting from its evaporation is also excluded from these subtotals.

State	Project Project Feature	Location	Completion Date	Project Acres Supplemented	Project Acres New	Remarks
Colorado	Paonia	Gunnison R.				
	Paonia Dam (21000 af)	North Fork Gunnison	Jan-62	13070	2230	Initial storage began Feb-62
	Florida	Florida R.				
	Lemon Dam (40100 af)		Nov-63	13720	5730	Water delivered April 1963
	Silt	Rifle & Elk Cks.				
	Rifle Gap Dam (12600 af)		Jun-67	4628	2416	
	Smith Fork	Gunnison R.	Oct-62			
	Crawford Dam (13650 af)	Iron Ck.		8056	1423	
	Bostwick Park	Cimarron Ck.	1971	4500	1455	
	Silver Jack Dam					
	Frying Pan-Arkansas (Includes Ruedi, Turquoise Lake, Mr. Elbert Forebay, Twin Lakes & Pueblo Reservoirs)					
	Pueblo Dam		Sep-75			
	Charles H. Boustead Tunnel					Transmountain diversions started 5/16/1972
	Other collection features		1979			
	Dallas Ck.					
	Ridgeway dam		1987			
	Dolores	Dolores R.				
	McPhee Dam		1986	28660	32340	
	Colorado-Big Thompson					Transmountain Diversion
	Mancos					
	Jackson Gulch Reservoir					

96-00
76-80 / Irrig. Dep.

91-01
~~95-00~~
93-77 / Exports

Green:	CO	NM	UT	WY	CO	NM	UT	WY
Ab. GR, WY				133,560				131,470
GR to Linwood			8,200	17,064			70,060	126,520
Linwood to Yampa	4,040			3,590				
Little Snake	9,080			163,560			11,320	24,440
Yampa ab. Craig	62,100			54,760				
Yampa-Brush Cr.								
Brush Cr. - Ashley Cr.				47,240			50,200	
Ashley-Duchess				240,580			312,500	
Duchess-White								89,710
White R.	34,380			40,890			0	1,620
White-Price								0
Price R.								44,500
Price-Green RUT								35,950
Green RUT-COR								4,440
								8,510
								44,340
								34,880
	96-00							97,932

27,658 / 15,347
71-77

San Juan:
40,640 McElmo CU
-113,320 Diversion impact
= 72,680 R Flow

SJR - Nav. Dam to Shivrock + inc. AR & LPR
+ inc. Crystal in Chute Wash drainage

Ab. Rose	10,340							
Pine ab. Ignacio	41,040						3740	1,290
Pine below Ignacio				2,740				
SJR N. Bluff Shivrock	60,860			57,900				
Nav. Dam - Shivrock				54,760			600	470
								2280
								92,950
Anima R	31,400			35,820				
				38,860				
LePlate R	14,300			21,610				
Farm - Shivrock								
Chaco				2,080				
Shivrock - Mancos				11,660				
Mancos	10,060			41,960				
McElmo	-72,680			97,932				
McElmo - Chino				0				
Chino - Bluff								
Bluff - CO R								

5,420 / 11,860
less 161.44 impost
= 29,290 net - NGR BA baseline → 11,770 net gain to river.

Full develop Dist \rightarrow schedule based
 depletion 91-01
 96-00
 53-70 Exports
 Co (NM) UT WY

76-80 / Irrig, Dep. / 96-00

Colorado River Co NM UT WY
 ab. Glenwood 112,460 / 129,630
 Glenwood-Cameo 108,080 / 115,650
 Gunnison R. $\left\{ \begin{array}{l} \text{BR Delta} \\ \text{ab. Delta} \end{array} \right. \left\{ \begin{array}{l} 11,840 / 25,720 \\ 415,940 / 462,482 \end{array} \right.$
 Dolores ab. Dolores 4,380 / inc. $\left\{ \begin{array}{l} \text{inc.} \\ \text{inc.} \end{array} \right.$
 Dolores b/l Dolores 33,100 / 78,360 $\left\{ \begin{array}{l} \text{inc.} \\ \text{inc.} \end{array} \right.$
 Cameo - Cisco 190,240 / 190,001 $\left\{ \begin{array}{l} \text{inc.} \\ \text{inc.} \end{array} \right.$
 Cisco - Green R. 10,720 / 16,668
 Green - SJR 31,660 / 49,058
 SJR - Lee Ferry 70.*/-670.

408,110 / 472,340
 1,090 / 1,560

* 4,340 minus 4,270 imported to Basin / 4,738 - 5404
 inc. some tubercles above Cameo for 96-00

76-80 CU evaluation areas
 96-00 Hydrologic units

AZ / 5,429 import

Navajo Reservoir Pre-reservoir condition loss estimate

Univ. of Utah
report (1961)

- Water surface 1010 ac
- streamside area 975 ac cover
- upland area 5348 ac cover
 - terrace 1324 ac
 - farmland 1655 ac
- hillside 2369 ac

$$\text{River loss} = \frac{\text{Pan Evap} \times 0.8}{12 \text{ in/ft}} \times 1010 \text{ ac}$$

$$= \frac{.24 \text{ in/day} \times 30 \text{ days} \times 0.8}{12} \times 1010 \times 6 \text{ mo} = 2909 \text{ af}$$

$$+ \frac{.10 \text{ in/day} \times 30 \text{ days} \times 0.8}{12} \times 1010 \times 6 \text{ mo} = 1212 \text{ af}$$

$$\boxed{4121 \text{ af}}$$

$$\text{Riparian area loss} = \text{streamside acres} \times \text{curate}$$

$$= 975 \text{ ac} \times 1.33 \text{ ft} = \boxed{1297 \text{ af}}$$

$$\text{Upland area loss} = \left. \begin{array}{l} \text{Terrace} \\ \text{Farmland} \end{array} \right\} \text{cover acres} \times \text{curate}$$

$$(1324 + 1655) \times 1.20 \text{ ft} = \boxed{3575 \text{ af}}$$

$$+ \text{hillside} \text{ cover acres} \times \text{precip}$$

$$2369 \times 1 \text{ ft} = \boxed{2369 \text{ af}}$$

$$\text{Total Pre-Reso. Loss} = 4121 + 1297 + 3575 + 2369 = 11,362 \text{ af}$$

*no curate given for "sparse"

Station: **FLAMING GORGE**
 Parameter: **PRECIP TOT DAY IN**
 Year: 1957-2004
 State: **UT**
 County: **DAGGETT**

ID: 2864
 Statistic: **Sum**
 Latitude: 40:55:00
 Longitude: 109:24:00
 Elevation: 6270.00

Monthly Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
# Days	1440	1306	1399	1364	1422	1365	1434	1406	1396	1433	1357	1467	16789
Avg Day	0.015	0.022	0.033	0.050	0.047	0.038	0.034	0.037	0.037	0.038	0.023	0.019	0.033
# Months	47	46	46	46	47	46	46	46	47	47	46	48	41
SDev Month	0.311	0.424	0.489	0.938	1.050	0.943	0.658	0.783	0.747	1.079	0.504	0.539	2.763
Min Month	0.000	0.050	0.200	0.000	0.020	0.000	0.040	0.010	0.070	0.000	0.020	0.000	6.580
Max Month	1.460	1.860	2.510	4.080	4.200	3.730	2.600	3.640	3.880	4.840	2.610	2.420	17.750
Avg Month	0.451	0.608	1.011	1.465	1.426	1.128	1.054	1.117	1.096	1.171	0.665	0.578	11.665
Skew Month	1.198	0.727	0.526	1.107	0.885	1.040	0.419	1.196	1.336	1.740	1.662	1.860	6.104
Kurt Month	4.155	2.797	3.137	3.794	2.894	3.002	2.055	3.981	5.199	5.772	6.181	6.141	2.510
M Min Year	2004	1973	1966	1987	1974	1988	1988	1985	1979	2003	1978	2000	1987
M Max Year	1962	1959	1983	1986	1995	1970	1985	1997	1982	1994	1983	1998	1997
Exceedences													
1%	0.290	0.423	0.519	0.730	0.730	0.713	0.632	0.697	0.640	0.756	0.444	0.423	0.580
5%	0.100	0.134	0.200	0.320	0.320	0.234	0.200	0.214	0.220	0.270	0.170	0.110	0.210
10%	0.040	0.060	0.110	0.180	0.160	0.100	0.100	0.100	0.100	0.100	0.060	0.050	0.090
20%	0.000	0.000	0.020	0.040	0.036	0.020	0.020	0.020	0.010	0.000	0.000	0.000	0.010
50%	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80%	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90%	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95%	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
99%	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Station: NAVAJO DAM
 Parameter: PRECIP TOT DAY IN
 Year: 1963-2004
 State: NM
 County: SAN JUAN

ID: 6061
 Statistic: Sum
 Latitude: 36:48:00
 Longitude: 107:37:00
 Elevation: 5770.00

Monthly Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
# Days	1250	1141	1267	1183	1246	1248	1285	1295	1174	1268	1236	1282	14875
Avg Day	0.031	0.031	0.038	0.033	0.026	0.017	0.041	0.055	0.040	0.036	0.038	0.035	0.035
# Months	41	41	41	40	40	42	42	42	39	41	41	41	36
SDev Month	0.793	0.725	1.075	0.866	0.681	0.523	0.952	0.940	0.742	1.158	0.744	0.935	3.826
Min Month	0.000	0.030	0.000	0.000	0.000	0.000	0.010	0.190	0.010	0.000	0.000	0.000	5.850
Max Month	3.920	3.450	4.400	3.570	2.780	2.300	4.460	4.210	3.250	5.150	2.960	3.350	22.810
Avg Month	0.936	0.881	1.177	0.968	0.816	0.515	1.255	1.702	1.169	1.100	1.119	1.073	12.691
Skew Month	1.547	1.421	1.073	1.362	0.951	1.390	1.310	0.608	0.944	1.991	0.734	1.012	0.743
Kurt Month	5.791	4.970	3.443	3.941	3.338	4.378	4.571	2.842	3.523	6.621	2.853	2.854	2.892
M Min Year	2002	1972	2002	1989	2002	1998	1993	1978	1987	1975	1989	1989	1989
M Max Year	1980	1987	1983	1985	1976	1967	1999	1988	2004	1972	1986	1984	1983
Exceedences													
1%	0.679	0.500	0.606	0.680	0.510	0.425	0.774	0.820	0.750	0.752	0.650	0.650	0.650
5%	0.230	0.238	0.280	0.247	0.195	0.100	0.270	0.352	0.280	0.281	0.300	0.246	0.250
10%	0.070	0.090	0.120	0.073	0.050	0.030	0.100	0.170	0.100	0.100	0.100	0.092	0.100
20%	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.050	0.000	0.000	0.000	0.000	0.000
50%	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80%	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90%	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95%	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
99%	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Station: **BLUE MESA LAKE**
 Parameter: **PRECIP TOT DAY IN**
 Year: 1967-2004
 State: **CO**
 County: **GUNNISON**

ID: 797
 Statistic: Sum
 Latitude: 38:28:00
 Longitude: 107:10:00
 Elevation: 7600.00

Monthly Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
# Days	1087	1001	1112	1080	1095	1071	1143	1140	1103	1140	1128	1148	13248
Avg Day	0.028	0.024	0.016	0.015	0.016	0.020	0.037	0.043	0.032	0.030	0.023	0.024	0.026
# Months	35	36	36	36	36	36	37	37	37	37	38	38	33
SDev Month	0.695	0.486	0.424	0.378	0.458	0.590	0.800	0.757	0.638	0.920	0.500	0.686	2.665
Min Month	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.240	0.000	0.000	0.000	0.010	4.770
Max Month	2.640	2.320	1.680	1.540	2.260	2.430	3.320	3.100	2.410	5.110	2.050	3.290	19.160
Avg Month	0.849	0.676	0.473	0.446	0.492	0.586	1.136	1.340	0.945	0.928	0.673	0.714	9.425
Skew Month	0.981	1.343	1.118	1.311	1.715	1.577	0.533	0.632	0.719	2.871	1.068	1.887	1.389
Kurt Month	2.686	4.779	3.292	4.111	6.721	4.431	2.659	2.470	2.479	12.053	3.395	6.362	6.359
M Min Year	2002	1972	2004	2001	2002	2001	2001	1996	1979	2000	1989	1998	2000
M Max Year	1974	1993	1995	1995	1995	1969	1977	1999	2003	1969	1986	1983	1969
Exceedences													
1%	0.465	0.380	0.229	0.294	0.331	0.426	0.581	0.556	0.459	0.572	0.427	0.401	0.450
5%	0.196	0.150	0.104	0.090	0.101	0.120	0.218	0.260	0.200	0.170	0.150	0.140	0.160
10%	0.090	0.090	0.050	0.040	0.040	0.050	0.106	0.130	0.110	0.070	0.060	0.062	0.070
20%	0.020	0.020	0.000	0.000	0.000	0.000	0.030	0.050	0.020	0.000	0.000	0.010	0.010
50%	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80%	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90%	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95%	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
99%	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Time series identifier = 0307.NOAA.Evap.Month
 Description = ARBOLES
 Data source = NOAA
 Data type = Evap
 Data interval = Month
 Data units = IN
 Requested period = 1957-10 to 1963-10
 Available period = 1957-01 to 1963-12
 State of CO abbreviation =
 Located in water div, district = 7, 46
 Located in county, state = , CO
 Located in HUC = 14080101
 Latitude, longitude = 37.016664, -107.417275
 Drainage area =
 Non-natural contributing area =

Time series creation history:
 Read HydroBase station time series from 1957-10 to 1963-10.

Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1958	NC	NC	NC	NC	NC	NC	4.4	7.9	9.9	10.7	8.1	6.3
1959	5.3	NC	NC	NC	NC	NC	5.3	8.2	10.2	11.8	7.9	6.8
1960	NC	NC	NC	NC	NC	NC	NC	NC	8.7	8.2	9.8	7.8
1961	NC	NC	NC	NC	NC	NC	5.3	8.0	9.8	8.0	NC	4.8
1962	4.2	NC	NC	NC	NC	NC	6.4	8.3	10.4	10.2	8.6	6.5
1963	NC	NC	NC	NC	NC	NC	4.6	7.3	8.5	NC	5.3	5.2
1964	4.5	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Min	4.2	NC	NC	NC	NC	NC	4.4	7.3	8.5	8.0	5.3	4.8
Max	5.3	NC	NC	NC	NC	NC	6.4	8.3	10.4	11.8	9.8	7.8
Mean	4.7	NC	NC	NC	NC	NC	5.2	8.0	9.6	9.8	8.0	6.2

Notes:

Years shown are water years.

A water year spans Oct of the previous calendar year to Sep of the current calendar year (all within the indicated water year). Annual values and statistics are computed only on non-missing data.

NC indicates that a value is not computed because of missing data or the data value itself is missing.

Query and formatting took 0.52 seconds.

HydroBase output generated on: 2005-11-09 17:11:58 MST

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Station: LEES FERRY
 Parameter: PRECIP TOT DAY IN
 Year: 1916-2004
 State: AZ
 County: COCONINO

ID: 4849
 Statistic: Sum
 Latitude: 36:51:00
 Longitude: 111:36:00
 Elevation: 3210.00

Monthly Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
# Days	2341	2137	2347	2270	2304	2309	2402	2377	2326	2425	2337	2305	27880
Avg Day	0.013	0.016	0.016	0.012	0.010	0.006	0.026	0.035	0.018	0.021	0.015	0.014	0.017
# Months	76	76	76	76	74	77	77	76	77	78	78	75	57
SDev Month	0.448	0.409	0.494	0.460	0.351	0.246	0.663	0.731	0.558	0.781	0.459	0.385	1.891
Min Month	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.700
Max Month	2.550	1.740	2.700	2.320	1.760	1.060	3.130	3.570	2.520	3.860	2.790	1.310	10.790
Avg Month	0.389	0.442	0.507	0.372	0.305	0.170	0.797	1.070	0.539	0.634	0.439	0.417	6.009
Skew Month	2.129	1.103	1.486	2.139	2.068	1.761	1.161	0.826	1.329	2.118	2.205	0.549	0.469
Kurt Month	8.695	3.675	6.279	7.840	7.529	5.229	4.386	3.407	4.246	7.421	10.410	1.966	3.056
M Min Year	1990	1990	2004	1987	2004	2003	2003	1976	1979	1999	1999	1989	1955
M Max Year	1993	1948	2000	1988	1934	1927	1953	1946	2002	2000	1978	1936	2004
Exceedences													
1%	0.321	0.346	0.395	0.353	0.260	0.220	0.550	0.594	0.400	0.587	0.416	0.389	0.410
5%	0.080	0.101	0.080	0.060	0.050	0.000	0.150	0.220	0.100	0.110	0.070	0.080	0.100
10%	0.000	0.020	0.020	0.000	0.000	0.000	0.040	0.080	0.010	0.000	0.000	0.010	0.010
20%	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
50%	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80%	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90%	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95%	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
99%	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Station: PAGE
 Parameter: PRECIP TOT DAY IN
 Year: 1957-2004
 State: AZ
 County: COCONINO

ID: 6180
 Statistic: Sum
 Latitude: 36:55:00
 Longitude: 111:26:00
 Elevation: 4270.00

Monthly Statistics

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
# Days	1386	1298	1426	1377	1394	1320	1425	1426	1350	1426	1409	1392	16629
Avg Day	0.016	0.017	0.020	0.015	0.012	0.005	0.015	0.022	0.023	0.027	0.017	0.016	0.017
# Months	45	46	46	46	45	44	46	46	45	46	47	45	40
SDev Month	0.622	0.423	0.526	0.450	0.443	0.237	0.402	0.499	0.733	0.900	0.460	0.646	2.098
Min Month	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.290
Max Month	3.210	1.750	1.830	2.140	1.890	0.930	1.680	2.470	3.220	3.890	2.060	4.000	11.640
Avg Month	0.491	0.484	0.621	0.438	0.382	0.160	0.471	0.696	0.687	0.818	0.521	0.491	6.317
Skew Month	2.490	1.217	0.478	1.639	1.970	2.025	1.117	1.321	1.577	1.591	1.460	3.864	0.656
Kurt Month	9.564	4.174	1.955	5.793	6.390	5.508	3.668	4.934	4.763	5.001	4.959	19.677	2.388
M Min Year	1991	1972	1988	1992	2004	1991	1993	1976	1979	1999	1999	1989	1989
M Max Year	1993	1993	1983	1988	1965	1972	1992	1963	1997	1972	1978	1978	1978
Exceedences													
1%	0.351	0.320	0.445	0.379	0.350	0.176	0.384	0.405	0.585	0.640	0.450	0.401	0.400
5%	0.100	0.111	0.130	0.080	0.070	0.010	0.090	0.150	0.140	0.190	0.120	0.080	0.100
10%	0.022	0.040	0.050	0.012	0.000	0.000	0.020	0.050	0.040	0.031	0.010	0.010	0.020
20%	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
50%	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80%	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90%	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95%	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
99%	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000