



POINT PRECIPITATION FREQUENCY ESTIMATES FROM NOAA ATLAS 14



Nevada 39.4 N 119.6 W 6076 feet

from "Precipitation-Frequency Atlas of the United States" NOAA Atlas 14, Volume 1, Version 4
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NOAA, National Weather Service, Silver Spring, Maryland, 2006

Extracted: Wed Jul 5 2006

Confidence Limits	Seasonality	Location Maps	Other Info.	GIS data	Maps	Help	D
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Precipitation Frequency Estimates (inches)																		
ARI* (years)	5 min	10 min	15 min	30 min	60 min	120 min	3 hr	6 hr	12 hr	24 hr	48 hr	4 day	7 day	10 day	20 day	30 day	45 day	60 day
1	0.11	0.17	0.21	0.28	0.35	0.46	0.55	0.80	1.09	1.41	1.71	2.06	2.44	2.74	3.50	4.18	5.01	5.84
2	0.14	0.21	0.26	0.35	0.43	0.57	0.69	1.00	1.37	1.77	2.16	2.63	3.13	3.53	4.50	5.38	6.46	7.57
5	0.18	0.28	0.35	0.47	0.58	0.73	0.86	1.23	1.73	2.27	2.80	3.47	4.16	4.70	5.94	7.11	8.52	9.98
10	0.23	0.34	0.43	0.57	0.71	0.87	1.01	1.42	2.02	2.67	3.32	4.17	5.00	5.63	7.05	8.45	10.08	11.72
25	0.29	0.45	0.55	0.75	0.92	1.07	1.21	1.67	2.40	3.23	4.06	5.16	6.21	6.94	8.58	10.27	12.19	13.98
50	0.35	0.54	0.67	0.90	1.12	1.26	1.38	1.86	2.69	3.68	4.66	5.98	7.20	7.99	9.78	11.70	13.83	15.68
100	0.43	0.65	0.81	1.09	1.35	1.47	1.58	2.05	2.99	4.15	5.30	6.86	8.25	9.10	11.03	13.18	15.51	17.36
200	0.52	0.78	0.97	1.31	1.62	1.73	1.84	2.28	3.29	4.64	5.98	7.81	9.39	10.27	12.32	14.71	17.23	19.04
500	0.66	1.00	1.24	1.67	2.06	2.18	2.28	2.64	3.69	5.33	6.94	9.17	11.01	11.92	14.09	16.81	19.59	21.26
1000	0.79	1.20	1.48	2.00	2.47	2.60	2.68	2.99	4.02	5.87	7.72	10.29	12.34	13.25	15.50	18.45	21.44	22.95

[Text version of table](#)

* These precipitation frequency estimates are based on a partial duration series. ARI is the Average Recurrence Interval. Please refer to the documentation for more information. NOTE: Formatting forces estimates near zero to appear as zero.

Soil Survey of Storey County Area (Partial Copy)



United States
Department of
Agriculture

Soil
Conservation
Service

In cooperation with
United States Department
of the Interior,
Bureau of Land Management,
and University of Nevada,
Agricultural Experiment
Station

Soil Survey of Storey County Area, Nevada



TABLE 72.--SOIL AND WATER FEATURES

["Flooding" and "water table" and terms such as "rare," "brief," "apparent," and "perched" are explained in the text. The symbol < means less than; > means more than. Absence of an entry indicates that the feature is not a concern or that data were not estimated]

Soil name and map symbol	Hydro-logic group	Frequency of flooding	Depth to high water table Ft	Bedrock		Cemented pan		Potential frost action	Risk of corrosion	
				Depth In	Hardness	Depth In	Thickness		Uncoated steel	Concrete
021*: Bombadil	D	None	>6.0	7-14	Hard	---	---	Moderate	Moderate	Low.
Indiano	C	None	>6.0	20-40	Hard	---	---	Moderate	Moderate	Low.
051*: Old Camp	D	None	>6.0	10-20	Hard	---	---	Moderate	High	Low.
Hefed	B	None	>6.0	>60	---	---	---	Low	High	Low.
Rock outcrop.										
052*: Old Camp	D	None	>6.0	10-20	Hard	---	---	Moderate	High	Low.
Rubble land.										
Rock outcrop.										
054*: Old Camp	D	None	>6.0	10-20	Hard	---	---	Moderate	High	Low.
Olac	D	None	>6.0	8-14	Hard	---	---	Moderate	Moderate	Low.
Indiano	C	None	>6.0	20-40	Hard	---	---	Moderate	Moderate	Low.
060*: Cleaver	D	None	>6.0	>60	---	10-20	Thick	Low	High	Low.
Stingdorn	D	None	>6.0	8-20	Hard	8-20	Thin	Low	High	Low.
062*: Cleaver	D	None	>6.0	>60	---	10-20	Thick	Low	High	Low.
Veta	B	Rare	>6.0	>60	---	---	---	Moderate	High	Low.

See footnote at end of table.

TABLE 72.---SOIL AND WATER FEATURES---Continued

Soil name and map symbol	Hydro-logic group	Frequency of flooding	Depth to high water table Ft	Bedrock		Cemented pan		Risk of corrosion		
				Depth In	Hardness	Depth In	Thickness	Potential frost action	Uncoated steel	Concrete
161*: Devada	D	None	>6.0	12-20	Hard	---	---	Low	Moderate	Low.
Nosrac	B	None	>6.0	>60	---	---	---	Moderate	Moderate	Low.
162*: Devada	D	None	>6.0	12-20	Hard	---	---	Low	Moderate	Low.
Olac	D	None	>6.0	8-14	Hard	---	---	Moderate	Moderate	Low.
Old Camp	D	None	>6.0	10-20	Hard	---	---	Moderate	High	Low.
170*: Saralegui	B	None	>6.0	>60	---	---	---	Moderate	High	Moderate.
Isolde	A	None	>6.0	>60	---	---	---	Low	High	Low.
180*: Patna	B	None	>6.0	>60	---	---	---	Low	High	Low.
Badland.										
210*: Theon	D	None	>6.0	8-14	Hard	---	---	Low	High	Low.
Lapon	D	None	>6.0	10-40	Hard	8-14	Thick	Moderate	High	Low.
Olac	D	None	>6.0	8-14	Hard	---	---	Moderate	Moderate	Low.
211*: Theon	D	None	>6.0	8-14	Hard	---	---	Low	High	Low.
Rock outcrop.										
Old Camp	D	None	>6.0	10-20	Hard	---	---	Moderate	High	Low.
212*: Theon	D	None	>6.0	8-14	Hard	---	---	Low	High	Low.
Singatse	D	None	>6.0	4-10	Hard	---	---	Low	High	Low.

See footnote at end of table.

TABLE 72. --SOIL AND WATER FEATURES--Continued

Soil name and map symbol	Hydrologic group	Frequency of flooding	Depth to high water table ft	Bedrock		Cemented pan		Potential frost action		Risk of corrosion	
				Depth In	Hardness	Depth In	Thickness	Uncoated steel	Concrete		
213*: Theon	D	None	>6.0	8-14	Hard	---	---	Low	High	Low.	
Old Camp	D	None	>6.0	10-20	Hard	---	---	Moderate	High	Low.	
220*: Ister	C	None	>6.0	25-40	Hard	---	---	Moderate	Moderate	Low.	
Devada	D	None	>6.0	12-20	Hard	---	---	Low	Moderate	Low.	
221*: Ister	C	None	>6.0	25-40	Hard	---	---	Moderate	Moderate	Low.	
Old Camp	D	None	>6.0	10-20	Hard	---	---	Moderate	High	Low.	
Rock outcrop.											
230: Sagoupe	C	Occasional	1.5-3.5	>60	---	---	---	High	High	Low.	
231: Sagoupe	C	Rare	3.0-5.0	>60	---	---	---	Moderate	High	Low.	
250*: Chalco	D	None	>6.0	10-20	Soft	---	---	Low	Moderate	Low.	
Haar	D	None	>6.0	4-10	Soft	---	---	Moderate	Moderate	Low.	
260*: Lapon	D	None	>6.0	10-40	Hard	8-14	Thick	Moderate	High	Low.	
Fulstone	D	None	>6.0	>60	---	14-20	Thick	Moderate	High	Low.	
Olac	D	None	>6.0	8-14	Hard	---	---	Moderate	Moderate	Low.	
275: Chill	D	None	>6.0	6-14	Soft	---	---	Moderate	Moderate	Low.	
280, 281: Perazzo	B	None	>6.0	>60	---	---	---	Low	High	Low.	
290: Springmeyer Variant	B	Rare	4.5-5.5	>60	---	---	---	Moderate	High	Low.	

See footnote at end of table.

TABLE 72. --SOIL AND WATER FEATURES--Continued

Soil name and map symbol	Hydro-logic group	Frequency of flooding	Depth to high water table Ft	Bedrock		Cemented pan		Potential frost action		Risk of corrosion	
				Depth In	Hardness	Depth In	Thickness	Uncoated steel	Concrete		
313*: Risley	C	None	>6.0	20-30	Soft	---	---	Low	Moderate	Low.	
Rubble land.											
Devada	D	None	>6.0	12-20	Hard	---	---	Low	Moderate	Low.	
314*: Risley	D	None	>6.0	20-30	Soft	---	---	Low	Moderate	Moderate.	
Xman	D	None	>6.0	10-20	Soft	---	---	Low	Moderate	Low.	
Rock outcrop.											
350, 351: Hunewill	B	None	>6.0	>60	---	---	---	Moderate	Moderate	Low.	
381: Veta	B	None	>6.0	>60	---	---	---	Moderate	High	Low.	
480*: Olac	D	None	>6.0	8-14	Hard	---	---	Moderate	Moderate	Low.	
Bombadil	D	None	>6.0	7-14	Hard	---	---	Moderate	Moderate	Low.	
Rock outcrop.											
483*: Olac	D	None	>6.0	8-14	Hard	---	---	Moderate	Moderate	Low.	
Old Camp	D	None	>6.0	10-20	Hard	---	---	Moderate	High	Low.	
Rock outcrop.											
484*: Olac	D	None	>6.0	8-14	Hard	---	---	Moderate	Moderate	Low.	
Old Camp	D	None	>6.0	10-20	Hard	---	---	Moderate	High	Low.	
Ister	C	None	>6.0	25-40	Hard	---	---	Moderate	Moderate	Low.	

See footnote at end of table.

TABLE 72.---SOIL AND WATER FEATURES---Continued

Soil name and map symbol	Hydro-logic group	Frequency of flooding	Depth to high water table	Bedrock		Cemented pan		Risk of corrosion		
				Depth	Hardness	Depth	Thickness	Potential frost action	Uncoated steel	Concrete
			Fe	In		In				
485*: Olac	D	None	>6.0	8-14	Hard	---	---	Moderate	Moderate	Low.
Chalco	D	None	>6.0	10-20	Soft	---	---	Low	Moderate	Low.
Haar	D	None	>6.0	4-10	Soft	---	---	Moderate	Moderate	Low.
487*: Olac	D	None	>6.0	8-14	Hard	---	---	Moderate	Moderate	Low.
Cagle	C	None	>6.0	20-40	Soft	---	---	Low	Moderate	Low.
Oppio	C	None	>6.0	20-40	Hard	---	---	Moderate	High	Moderate.
488*: Olac	D	None	>6.0	8-14	Hard	---	---	Moderate	Moderate	Low.
Rubble land.										
Indiano	C	None	>6.0	20-40	Hard	---	---	Moderate	Moderate	Low.
489*: Olac	D	None	>6.0	8-14	Hard	---	---	Moderate	Moderate	Low.
Smallcone	D	None	>6.0	4-10	Soft	---	---	Low	Moderate	Moderate.
Old Camp	D	None	>6.0	10-20	Hard	---	---	Moderate	High	Low.
519*: Loomer	D	None	>6.0	14-20	Hard	---	---	Low	Moderate	Low.
Zephan	C	None	>6.0	25-40	Soft	---	---	Moderate	Moderate	Moderate.
Olac	D	None	>6.0	8-14	Hard	---	---	Moderate	Moderate	Low.
553: Fulstone	D	None	>6.0	>60	---	14-20	Thick	Moderate	High	Low.
554*: Fulstone	D	None	>6.0	>60	---	14-20	Thick	Moderate	High	Low.
Reno	D	None	>6.0	>60	---	20-40	Thick	Moderate	High	Low.
571: Ackley	B	None	>6.0	>60	---	---	---	Moderate	High	Low.

See footnote at end of table.

TABLE 72. --SOIL AND WATER FEATURES--Continued

Soil name and map symbol	Hydro-logic group	Frequency of flooding	Depth to high water table Ft	Bedrock		Cemented pan		Risk of corrosion		
				Depth In	Hardness	Depth In	Thickness	Potential frost action	Uncoated steel	Concrete
572*: Ackley	B	None	>6.0	>60	---	---	---	Moderate	High	Low.
Veta	B	None	>6.0	>60	---	---	---	Moderate	High	Low.
602*: Pits. Dumps.										
875*: Xman	D	None	>6.0	10-20	Soft	---	---	Low	Moderate	Low.
Zephan	C	None	>6.0	25-40	Soft	---	---	Low	Moderate	Moderate.
Mizel	D	None	>6.0	3-10	Hard	---	---	Moderate	Moderate	Moderate.
876*: Xman	D	None	>6.0	10-20	Soft	---	---	Low	Moderate	Low.
Oppio	C	None	>6.0	20-40	Hard	---	---	Moderate	High	Moderate.
Old Camp	D	None	>6.0	10-20	Hard	---	---	Moderate	High	Low.
877*: Xman	D	None	>6.0	10-20	Soft	---	---	Low	Moderate	Low.
Duco	D	None	>6.0	10-20	Hard	---	---	Moderate	Moderate	Low.
893*: Indiano	C	None	>6.0	20-40	Hard	---	---	Moderate	Moderate	Low.
Duco	D	None	>6.0	10-20	Hard	---	---	Moderate	Moderate	Low.
Cagle	C	None	>6.0	20-40	Soft	---	---	Low	Moderate	Low.
894*: Indiano	C	None	>6.0	20-40	Hard	---	---	Moderate	Moderate	Low.
Devada	D	None	>6.0	12-20	Hard	---	---	Low	Moderate	Low.

See footnote at end of table.

TABLE 72.--SOIL AND WATER FEATURES--Continued

Soil name and map symbol	Hydro-logic group	Frequency of flooding	Depth to high water table ft	Bedrock		Cemented pan		Risk of corrosion	
				Depth in	Hardness	Depth in	Thickness	Uncoated steel	Concrete
1010*: Teguro	D	None	>6.0	14-20	Hard	---	---	Moderate	Low.
Indiano	C	None	>6.0	20-40	Hard	---	---	Moderate	Low.
Oppio	D	None	>6.0	20-40	Hard	---	---	Moderate	Moderate.
1030*: Xerta	C	None	>6.0	20-40	Hard	20-40	Thin	Moderate	Low.
Devada	D	None	>6.0	12-20	Hard	---	---	Moderate	Low.
Ister	C	None	>6.0	25-40	Hard	---	---	Moderate	Low.
1410*: Burberough	B	None	>6.0	>60	---	---	---	Moderate	Low.
Gabica	D	None	>6.0	12-20	Hard	---	---	Moderate	Low.
1511*: Cagle	C	None	>6.0	20-40	Soft	---	---	Moderate	Low.
Nosrac	B	None	>6.0	>60	---	---	---	Moderate	Low.
1520*: Duco	D	None	>6.0	10-20	Hard	---	---	Moderate	Low.
Smallcone	D	None	>6.0	4-10	Soft	---	---	Moderate	Moderate.
Cagle	C	None	>6.0	20-40	Soft	---	---	Moderate	Low.
1521*: Duco	D	None	>6.0	10-20	Hard	---	---	Moderate	Low.
Springmeyer	B	None	>6.0	>60	---	---	---	Moderate	Low.
1530*: Manogue	D	None	>6.0	>60	---	---	---	Moderate	Low.
Devada	D	None	>6.0	12-20	Hard	---	---	Moderate	Low.
Rock outcrop.									

See footnote at end of table.

TABLE 72.---SOIL AND WATER FEATURES---Continued

Soil name and map symbol	Hydro-logic group	Frequency of flooding	Depth to high water table		Bedrock		Cemented pan		Potential frost action	Risk of corrosion	
			ft	in	Depth	Hardness	Depth	Thickness		Uncoated steel	Concrete
1531*: Manogue	D	None	>6.0	>60	---	---	---	---	Low	High	Low.
Springmeyer	B	None	>6.0	>60	---	---	---	---	Moderate	High	Low.
1533*: Manogue	D	None	>6.0	>60	---	---	---	---	Low	High	Low.
1534*: Manogue	D	None	>6.0	>60	---	---	---	---	Low	High	Low.
Hefed	B	None	>6.0	>60	---	---	---	---	Low	High	Low.
Rock outcrop.											
1535*: Manogue	D	None	>6.0	>60	---	---	---	---	Low	High	Low.

* See description of the map unit for composition and behavior characteristics of the map unit.