

Water-Data Report 2007

## 10334500 Rye Patch Reservoir Near Rye Patch, NV

Humboldt Basin  
Lower Humboldt Subbasin

LOCATION.--Lat 40°28'12", long 118°18'24" referenced to North American Datum of 1927, in NE ¼ NE ¼ sec.18, T.30 N., R.33 E., Pershing County, NV, Hydrologic Unit 16040108, in SE¼ NE¼ sec.18, T.30 N., R.33 E., at control works on east side of Rye Patch Dam on Humboldt River, and 2 mi northwest of Rye Patch.

DRAINAGE AREA.--16,100 mi<sup>2</sup>.

### **SURFACE-WATER RECORDS**

PERIOD OF RECORD.--Feb 1936 to current year.

REVISED RECORDS.--WSP 1714: Drainage area.

GAGE.--Staff gage on dam read daily when water level is high enough. When level is low, surface elevation obtained by levels.

COOPERATION.--Records of daily elevation and storage furnished by Pershing County Water Conservation District.

REMARKS.--Reservoir is formed by earthfill, rock-faced dam; storage began Feb 20, 1936. Capacity, 194,300 acre-ft between elevations, 4,072.5 ft, sill of trashrack structure, and 4,136.0 ft, top of spillway gates (since Jun 1976). Dead storage negligible. Elevation of spillway (gate sill) is 4,119 ft. Figures given herein represent usable contents and are based on capacity table No. 2, developed by Bureau of Reclamation, in use since Oct 1, 1971. Water is used for irrigation in the Lovelock area.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 204,100 acre-ft, Apr 26 to May 1, 2006, elevation, 4,136.8 ft; no contents, Aug 7-11, 1955, May 12 to Jun 13, 1961, Jul 17, 1992, and Aug 11-13, 1992.

EXTREMES FOR CURRENT YEAR.-- Maximum contents observed, 164,000 acre-ft, Mar. 26, 29, 30, elevation, 4,133.5 ft; minimum observed, 66,160 acre-ft, Sept. 30, elevation, 4,122.4 ft.

## 10334500 Rye Patch Reservoir Near Rye Patch, NV—Continued

**RESERVOIR STORAGE, ACRE FEET**  
**WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**  
**DAILY OBSERVATION AT 0800 HOURS**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	135,400	126,200	132,200	137,600	144,200	153,300	---	152,000	144,200	123,200	102,900	79,350
2	135,400	126,200	---	---	---	---	162,600	152,000	144,200	122,300	102,100	78,680
3	135,400	126,200	---	---	---	---	162,600	150,700	143,100	122,300	101,300	77,340
4	134,300	126,200	133,200	---	---	---	162,600	152,000	142,000	122,300	101,300	76,670
5	134,300	126,200	---	---	---	155,900	161,300	152,000	140,900	121,300	100,500	76,000
6	133,200	127,200	---	---	---	---	161,300	152,000	139,800	121,300	99,700	74,740
7	133,200	127,200	---	---	---	---	159,900	152,000	139,800	120,400	99,700	74,110
8	132,200	127,200	---	---	---	---	158,600	152,000	138,700	120,400	98,900	73,450
9	132,200	127,200	---	---	---	---	157,200	152,000	137,600	119,500	98,100	72,850
10	132,200	127,200	---	---	---	---	157,200	152,000	136,500	118,600	97,300	72,850
11	130,200	128,200	134,300	---	---	---	---	150,700	135,400	117,600	97,300	72,770
12	130,200	128,200	---	---	146,800	159,900	155,900	150,700	135,400	117,600	96,550	71,590
13	130,200	127,200	---	---	---	---	154,600	150,700	134,300	116,700	95,800	70,960
14	130,200	127,200	---	---	---	---	154,600	150,700	134,300	115,800	95,800	70,330
15	130,200	127,200	---	---	---	---	154,600	149,400	133,200	114,800	94,300	69,700
16	130,200	128,200	---	140,900	---	---	153,300	149,400	132,200	113,900	94,300	69,110
17	129,200	---	---	---	---	---	152,000	148,100	131,200	113,000	92,800	69,110
18	---	---	136,500	---	---	---	152,000	148,100	131,200	112,200	92,050	68,520
19	128,200	---	---	---	149,400	162,600	150,700	146,800	130,200	111,300	91,300	68,520
20	128,200	---	---	---	---	---	150,700	146,800	130,200	110,500	90,550	67,930
21	128,200	---	---	---	---	162,600	150,700	146,800	129,200	109,600	89,800	67,930
22	128,200	---	---	142,000	---	---	150,700	146,800	129,200	108,700	89,090	67,930
23	128,200	---	---	---	---	---	152,000	145,500	128,200	108,700	88,380	67,340
24	128,200	---	---	---	---	---	152,000	145,500	128,200	107,900	86,960	67,340
25	127,200	---	---	---	---	---	152,000	145,500	127,200	107,900	86,250	67,340
26	127,200	129,200	137,600	---	---	164,000	152,000	145,500	127,200	106,200	84,830	67,340
27	127,200	129,200	---	---	---	---	152,000	145,500	125,200	106,200	84,120	67,340
28	126,200	129,200	---	---	---	---	152,000	145,500	125,200	105,300	83,410	66,750
29	126,200	130,200	---	---	---	164,000	152,000	144,200	124,200	105,300	82,030	66,750
30	126,200	130,200	---	---	---	164,000	152,000	144,200	123,200	104,500	81,360	66,160
31	126,200	---	---	144,200	---	---	---	144,200	---	102,900	80,020	---
<b>Max</b>	---	---	---	---	---	---	---	152,000	144,200	123,200	102,900	79,350
<b>Min</b>	---	---	---	---	---	---	---	144,200	123,200	102,900	80,020	66,160

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