50113950 LAGO CERRILLOS AT DAMSITE NEAR PONCE, PR

RIO BUCANA BASIN

LOCATION.--Lat 18°04′41″, long 66°34′38″ referenced to North American Datum of 1927, Ponce Municipio, PR, Hydrologic Unit 21010004, on left bank west from intake house of dam, 0.7 mi (1.1 km) southwest from San Mateo at Real Abajo Church, 3.2 mi (5.1 km) northeast from Hospital de Distrito de Ponce, and 2.2 mi (3.5 km) northwest from Yuca School.

DRAINAGE AREA.--17.4 mi^2, (45.1 km^2).

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1992 to current year.

REVISED RECORDS.--WDR PR-94-1, 1993, 1994.

GAGE.--Water-stage recorder, satellite and radio telemetry at station. Datum of gage is mean sea level.

REMARKS.--Records good. Lake is formed by Cerrillos Dam, a rockfilled ungated structure completed in 1992. Elevation of crest is 611 ft (186 m) above mean sea level, with a structural height of 323 ft (98 m) and a length of 1,555 ft (474 m). The dam has a capacity of approximately 47,900 acre-ft (59.1 hm^3). The dam is operated by the Puerto Rico Department of Natural and Environmental Resources (PRDNER)and its purpose is for flood control, water supply, and recreation.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 602.84 ft (183.74 m), September 22, 1998; minimum elevation, 416.63 ft (126.99 m), October 1, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 575.57 ft (175.43 m) May 7; minimum elevation, 561.90 ft (171.27 m) August 23.

Capacity Table

(based on data from US Geological Survey Water-Resources Investigations Report 99-4143, September 1996)

(Elevation in ft, capacity in acre-ft)

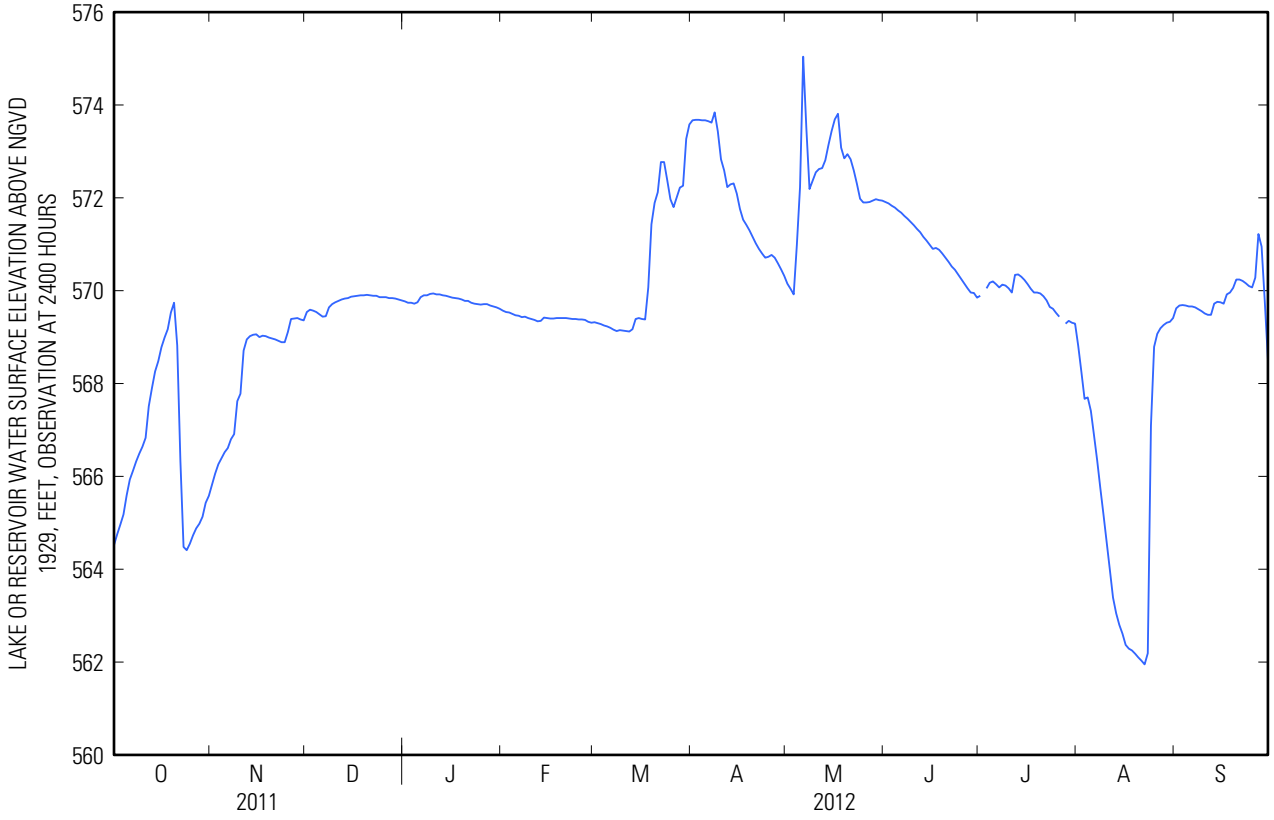
Elevation	Contents	Elevation	Contents
328	0	525	16,990
426	3,206	558	25,786
492	10,621	590	37,509

Suggested citation: U.S. Geological Survey, 2014, Water-resources data for the United States, Water Year 2012: U.S. Geological Survey Water-Data Report WDR-US-2012, site 50113950, accessed at http://wdr.water.usgs.gov/wy2012/pdfs/50113950.2012.pdf

50113950 LAGO CERRILLOS AT DAMSITE NEAR PONCE, PR—Continued

LAKE OR RESERVOIR WATER SURFACE ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY OBSERVATION AT 2400 HOURS

[A, No gage-height record]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	564.52	565.82	569.54	569.77	569.57	569.32	573.67	570.15	571.91	569.89	568.81	569.62
2	564.75	566.06	569.59	569.74	569.54	569.30	573.68	570.04	571.88	A	568.25	569.68
3	564.96	566.26	569.57	569.74	569.53	569.28	573.68	569.92	571.83	570.05	567.67	569.69
4	565.18	566.39	569.54	569.72	569.50	569.25	573.67	570.99	571.79	570.17	567.70	569.68
5	565.59	566.52	569.49	569.75	569.47	569.23	573.67	572.23	571.73	570.20	567.41	569.66
6	565.93	566.61	569.44	569.86	569.46	569.20	573.65	575.04	571.68	570.14	566.88	569.66
7	566.12	566.80	569.45	569.90	569.43	569.16	573.62	573.50	571.61	570.07	566.34	569.64
8	566.32	566.91	569.64	569.90	569.44	569.13	573.84	572.19	571.55	570.13	565.74	569.60
9	566.49	567.62	569.71	569.93	569.41	569.15	573.43	572.37	571.48	570.11	565.17	569.56
10	566.64	567.78	569.75	569.94	569.39	569.14	572.83	572.55	571.41	570.05	564.58	569.51
11	566.83	568.71	569.78	569.92	569.37	569.13	572.59	572.62	571.33	569.96	563.99	569.48
12	567.51	568.95	569.81	569.92	569.34	569.12	572.23	572.64	571.26	570.34	563.39	569.48
13	567.90	569.02	569.83	569.90	569.35	569.17	572.29	572.81	571.16	570.35	563.05	569.72
14	568.26	569.05	569.84	569.89	569.42	569.39	572.31	573.14	571.08	570.30	562.80	569.76
15	568.48	569.06	569.87	569.87	569.41	569.41	572.09	573.44	570.99	570.23	562.61	569.75
16	568.78	569.00	569.88	569.85	569.40	569.39	571.76	573.69	570.90	570.14	562.37	569.72
17	568.99	569.03	569.89	569.84	569.40	569.38	571.53	573.81	570.92	570.04	562.29	569.92
18	569.17	569.02	569.90	569.83	569.41	570.07	571.42	573.08	570.88	569.96	562.25	569.96
19	569.53	568.99	569.90	569.81	569.41	571.43	571.30	572.85	570.80	569.96	562.18	570.06
20	569.74	568.97	569.91	569.78	569.41	571.89	571.16	572.94	570.71	569.94	562.10	570.24
21	568.82	568.95	569.90	569.78	569.41	572.12	571.02	572.83	570.62	569.88	562.03	570.24
22	566.34	568.92	569.89	569.74	569.40	572.77	570.90	572.59	570.52	569.79	561.95	570.21
23	564.48	568.89	569.89	569.72	569.39	572.77	570.80	572.30	570.45	569.65	562.19	570.16
24	564.41	568.89	569.86	569.71	569.39	572.38	570.71	571.98	570.35	569.61	567.09	570.10
25	564.55	569.11	569.86	569.70	569.38	571.97	570.73	571.90	570.25	569.52	568.79	570.07
26	564.73	569.39	569.86	569.71	569.38	571.80	570.77	571.90	570.15	569.44	569.07	570.28
27	564.88	569.40	569.84	569.71	569.37	572.01	570.71	571.91	570.05	A	569.19	571.22
28	564.98	569.41	569.84	569.68	569.33	572.22	570.59	571.94	569.96	569.29	569.26	570.95
29	565.13	569.38	569.83	569.66	569.31	572.26	570.46	571.97	569.95	569.35	569.31	569.78
30	565.43	569.36	569.81	569.64	---	573.27	570.32	571.95	569.85	569.31	569.33	568.52
31	565.58	---	569.79	569.61	---	573.58	---	571.94	---	569.29	569.41	---
Mean	566.48	568.28	569.76	569.79	569.41	570.57	572.05	572.36	570.97	---	565.59	569.86

50113950 LAGO CERRILLOS AT DAMSITE NEAR PONCE, PR—Continued