50032590 LAGO DE MATRULLAS AT DAMSITE NEAR OROCOVIS, PR

RIO GRANDE DE MANATI BASIN

LOCATION.--Lat 18°12′45″, long 66°28′50″ referenced to North American Datum of 1927, Orocovis Municipio, PR, Hydrologic Unit 21010002, on State Road 564, and about 5.97 mi (9.6 km) southwest of Orocovis, 3.85 mi (6.2 km) southwest of Cerro Pio, and 2.62 mi (4.2 km) north of Cerro Doña Juana.

DRAINAGE AREA.--4.46 mi^2, (11.6 km^2).

SURFACE-WATER RECORDS

PERIOD OF RECORD.--May 1988 to current year.

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

COOPERATION.--Puerto Rico Electrical Power Authority (PREPA).

REMARKS.--Lago de Matrullas was completed in 1934. The dam is an earthfill structure about 120 ft (37 m) height, a top width of 30 ft (9 m) and a length of 710 ft (216 m), and has a maximum storage capacity of about 4,274 acre-ft (5.220 hm^3) at top of dam elevation. The Lago de Matrullas Dam is owned by the Puerto Rico Electric Power Authority (PREPA) and is part of the Toro Negro Hydroelectric Project; a project developed by the PREPA for the primary purpose of generating electric power. Discharges from the power plants are collected by the Río Jacaguas which flows into Guayabal Dam, at which are regulated for irrigation of lands served by the Juana Díaz Canal. Prior to October 1994, published as Lago de Matrullas at Damsite.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation 2,419.9 ft (737.58 m), September 10, 1996; minimum elevation, 2,375.55 ft (724.06 m), September 24, 25, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 2,417.59 ft (736.88 m); March 27; minimum elevation, 2,413.22 ft (735.55 m) September 27.

Capacity Table

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

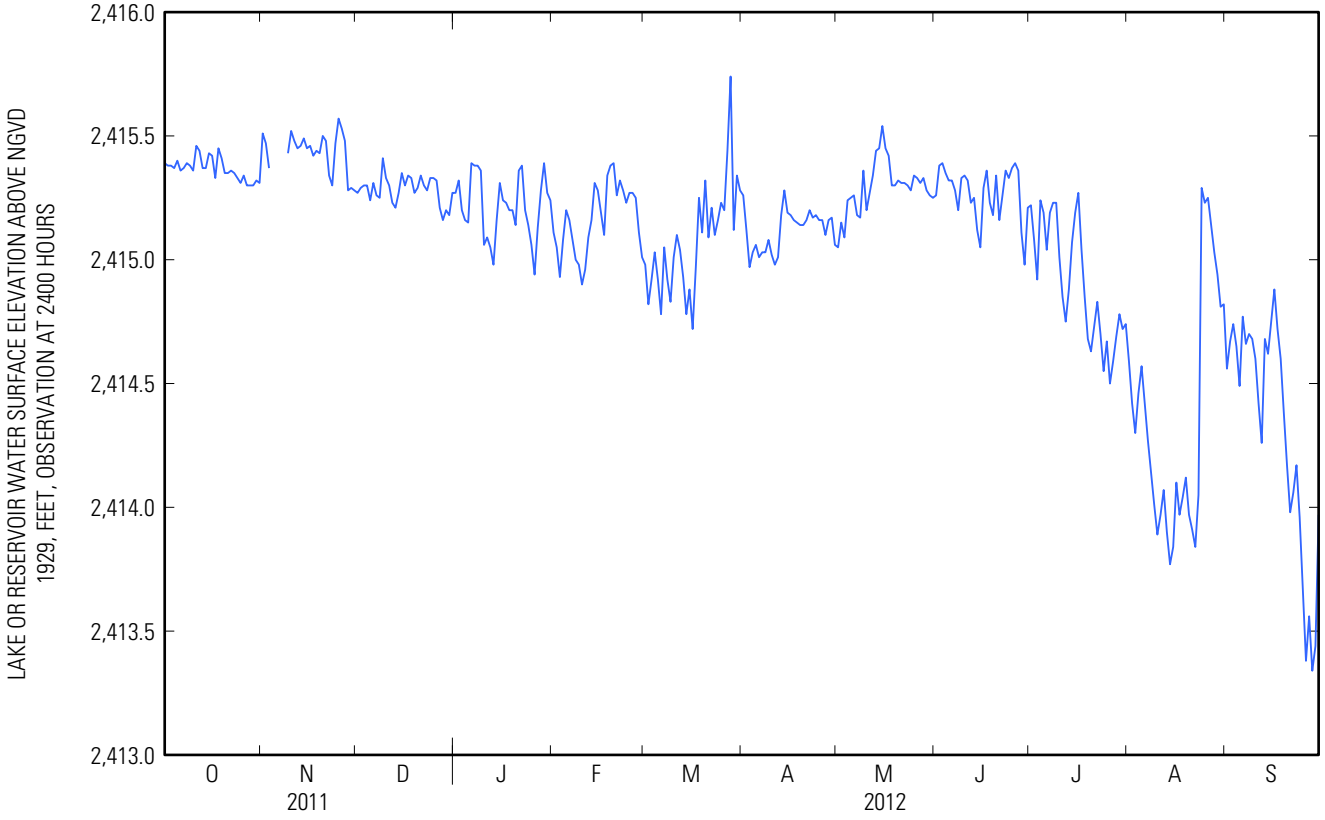
(Elevation in ft, capacity in acre-ft)

Elevation	Contents	Elevation	Contents
2,338	2	2,399	1,845
2,360	302	2,420	3,331

Suggested citation: U.S. Geological Survey, 2013, Water-resources data for the United States, Water Year 2012: U.S. Geological Survey Water-Data Report WDR-US-2012, site 50032590, accessed at http://wdr.water.usgs.gov/wy2012/pdfs/50032590.2012.pdf

50032590 LAGO DE MATRULLAS AT DAMSITE NEAR OROCOVIS, 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	2,415.39	2,415.51	2,415.27	2,415.27	2,415.11	2,414.98	2,415.26	2,415.05	2,415.26	2,415.22	2,414.59	2,414.56
2	2,415.38	2,415.47	2,415.29	2,415.32	2,415.05	2,414.82	2,415.12	2,415.15	2,415.38	2,415.08	2,414.42	2,414.67
3	2,415.38	2,415.37	2,415.30	2,415.20	2,414.93	2,414.92	2,414.97	2,415.09	2,415.39	2,414.92	2,414.30	2,414.74
4	2,415.37	A	2,415.30	2,415.16	2,415.08	2,415.03	2,415.03	2,415.24	2,415.35	2,415.24	2,414.46	2,414.65
5	2,415.40	A	2,415.24	2,415.15	2,415.20	2,414.92	2,415.06	2,415.25	2,415.32	2,415.19	2,414.57	2,414.49
6	2,415.36	A	2,415.31	2,415.39	2,415.16	2,414.78	2,415.01	2,415.26	2,415.32	2,415.04	2,414.42	2,414.77
7	2,415.37	A	2,415.26	2,415.38	2,415.08	2,415.05	2,415.03	2,415.18	2,415.28	2,415.19	2,414.27	2,414.66
8	2,415.39	A	2,415.25	2,415.38	2,415.00	2,414.92	2,415.03	2,415.17	2,415.20	2,415.23	2,414.14	2,414.70
9	2,415.38	2,415.43	2,415.41	2,415.36	2,414.98	2,414.83	2,415.08	2,415.36	2,415.33	2,415.23	2,414.01	2,414.68
10	2,415.36	2,415.52	2,415.33	2,415.06	2,414.90	2,415.01	2,415.02	2,415.20	2,415.34	2,415.01	2,413.89	2,414.60
11	2,415.46	2,415.48	2,415.30	2,415.09	2,414.96	2,415.10	2,414.98	2,415.27	2,415.32	2,414.85	2,413.97	2,414.42
12	2,415.44	2,415.45	2,415.23	2,415.05	2,415.09	2,415.04	2,415.01	2,415.34	2,415.23	2,414.75	2,414.07	2,414.26
13	2,415.37	2,415.46	2,415.21	2,414.98	2,415.16	2,414.93	2,415.18	2,415.44	2,415.25	2,414.88	2,413.90	2,414.68
14	2,415.37	2,415.49	2,415.27	2,415.16	2,415.31	2,414.78	2,415.28	2,415.45	2,415.12	2,415.07	2,413.77	2,414.62
15	2,415.43	2,415.45	2,415.35	2,415.31	2,415.28	2,414.88	2,415.19	2,415.54	2,415.05	2,415.19	2,413.84	2,414.75
16	2,415.42	2,415.46	2,415.30	2,415.24	2,415.19	2,414.72	2,415.18	2,415.45	2,415.29	2,415.27	2,414.10	2,414.88
17	2,415.33	2,415.42	2,415.34	2,415.23	2,415.10	2,414.97	2,415.16	2,415.42	2,415.36	2,415.04	2,413.97	2,414.72
18	2,415.45	2,415.44	2,415.33	2,415.20	2,415.34	2,415.25	2,415.15	2,415.30	2,415.23	2,414.85	2,414.04	2,414.60
19	2,415.41	2,415.43	2,415.27	2,415.20	2,415.38	2,415.11	2,415.14	2,415.30	2,415.18	2,414.68	2,414.12	2,414.38
20	2,415.35	2,415.50	2,415.29	2,415.14	2,415.39	2,415.32	2,415.14	2,415.32	2,415.34	2,414.63	2,413.97	2,414.17
21	2,415.35	2,415.48	2,415.34	2,415.36	2,415.26	2,415.09	2,415.16	2,415.31	2,415.16	2,414.73	2,413.91	2,413.98
22	2,415.36	2,415.34	2,415.30	2,415.38	2,415.32	2,415.21	2,415.20	2,415.31	2,415.26	2,414.83	2,413.84	2,414.06
23	2,415.35	2,415.30	2,415.28	2,415.20	2,415.28	2,415.10	2,415.17	2,415.30	2,415.36	2,414.70	2,414.05	2,414.17
24	2,415.33	2,415.47	2,415.33	2,415.14	2,415.23	2,415.16	2,415.18	2,415.28	2,415.33	2,414.55	2,415.29	2,413.96
25	2,415.31	2,415.57	2,415.33	2,415.06	2,415.27	2,415.23	2,415.16	2,415.34	2,415.37	2,414.67	2,415.23	2,413.67
26	2,415.34	2,415.53	2,415.32	2,414.94	2,415.27	2,415.20	2,415.16	2,415.33	2,415.39	2,414.50	2,415.25	2,413.38
27	2,415.30	2,415.48	2,415.21	2,415.13	2,415.25	2,415.44	2,415.10	2,415.31	2,415.36	2,414.59	2,415.14	2,413.56
28	2,415.30	2,415.28	2,415.16	2,415.28	2,415.11	2,415.74	2,415.16	2,415.33	2,415.11	2,414.69	2,415.03	2,413.34
29	2,415.30	2,415.29	2,415.20	2,415.39	2,415.01	2,415.12	2,415.17	2,415.28	2,414.98	2,414.78	2,414.94	2,413.44
30	2,415.32	2,415.28	2,415.18	2,415.27	---	2,415.34	2,415.06	2,415.26	2,415.21	2,414.72	2,414.81	2,413.97
31	2,415.31	---	2,415.27	2,415.24	---	2,415.28	---	2,415.25	---	2,414.74	2,414.82	---
Mean	2,415.37	---	2,415.28	2,415.22	2,415.16	2,415.07	2,415.12	2,415.29	2,415.27	2,414.91	2,414.36	2,414.32

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