

Water-Data Report 2013

**01521000 ARKPORT RESERVOIR NEAR ARKPORT NY**

Upper Susquehanna Basin  
Tioga Subbasin

LOCATION.--Lat 42°23'45", long 77°43'08" referenced to North American Datum of 1927, Steuben County, NY, Hydrologic Unit 02050104, 1,000 ft upstream from Arkport Dam, 1.3 mi west of Arkport, and 2.3 mi upstream from small tributary.

DRAINAGE AREA.--30.5 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--January 1951 to September 1985 (daily mean elevations and month-end contents), October 1985 to May 1991 (month-end elevations and contents), October 2011 to current year (daily mean elevations). Month-end elevations and contents not published June 1991 to September 2011. Records for this period are available in the files of the U.S. Geological Survey.

REVISED RECORDS.--WSP 1552: 1951-57. WRD NY 1974: 1973.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929 (levels by Corps of Engineers).

COOPERATION.--Capacity table furnished by Corps of Engineers.

REMARKS.--Reservoir is formed by earthfill dam with concrete spillway, completed by Corps of Engineers in 1940 for flood control; first used for flood regulation on Mar. 31, 1940. Initial usable capacity, 7,936 acre-ft between elevations 1,218.0 ft (sill of conduit) and 1,304.0 ft (crest of spillway). No dead storage. The flood control works consist of a pressure conduit and a side-channel spillway and are not provided with gates. Water is stored during high flows and released gradually. Telephone and satellite gage-height and precipitation telemeters at station. Reservoir contents unknown since 1992 as a result of periodic dredging. Minimum recordable elevation, 1227.29 ft.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 7,944 ac-ft, June 23, 1972, elevation 1,304.04; minimum contents not determined.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 1,245.11 ft, Oct. 30, contents not determined; minimum elevation not determined (see REMARKS).

## 01521000 ARKPORT RESERVOIR NEAR ARKPORT NY—Continued

**LAKE OR RESERVOIR WATER SURFACE ELEVATION ABOVE NGVD 1929, FEET**  
**WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**  
**DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	1,228.25	1,227.34	1,228.40	1,230.94	1,228.33	1,231.01	1,228.06	1,228.00	1,227.96	1,227.57	---
2	---	1,228.09	1,227.45	1,228.37	1,229.96	1,228.27	1,229.83	1,228.03	1,228.14	1,228.17	1,227.55	---
3	---	1,227.94	1,227.80	1,228.39	1,229.29	1,228.24	1,228.78	1,227.98	1,228.04	1,227.98	1,227.53	---
4	---	1,227.76	1,227.90	1,228.39	1,228.72	1,228.22	1,228.55	1,227.94	1,227.95	1,227.83	1,227.51	---
5	---	1,227.60	1,230.21	1,228.39	1,228.57	1,228.19	1,228.68	1,227.88	1,227.87	1,227.77	1,227.50	---
6	---	1,227.49	1,228.77	1,228.40	1,228.43	1,228.16	1,228.68	1,227.95	1,228.71	1,227.74	1,227.49	---
7	---	1,227.41	1,228.64	1,228.41	1,228.33	1,228.16	1,228.94	1,227.87	1,229.43	1,227.68	1,227.49	---
8	---	1,227.34	1,228.78	1,228.29	1,228.33	1,228.18	1,229.35	1,227.88	1,228.87	1,227.73	---	---
9	---	1,227.29	1,228.65	1,228.30	1,228.22	1,228.30	1,228.89	1,227.96	1,228.41	1,227.71	1,229.59	---
10	---	1,227.29	1,229.42	1,228.55	1,228.18	1,229.33	1,236.78	1,227.96	1,228.69	1,227.68	1,228.35	---
11	---	1,227.30	1,229.55	1,228.88	1,228.46	1,232.41	1,235.43	1,228.74	1,230.76	1,227.86	1,227.90	---
12	---	1,227.30	1,228.91	1,231.64	1,228.67	1,237.23	1,234.96	1,228.36	1,229.22	1,227.73	1,227.66	---
13	---	1,227.54	1,228.65	1,233.85	1,228.49	1,231.67	1,231.78	1,228.12	1,230.25	1,227.67	1,227.88	---
14	---	1,227.50	1,228.53	1,231.58	1,228.47	1,229.78	1,230.19	1,228.02	1,230.06	1,227.63	1,227.78	---
15	---	1,227.41	1,228.45	1,229.94	1,228.49	1,228.88	1,229.33	1,227.97	1,228.58	1,227.60	1,227.63	---
16	---	1,227.36	1,228.41	1,229.18	1,228.38	1,228.62	1,229.23	1,227.95	1,228.35	1,227.57	1,227.54	---
17	---	---	1,228.72	1,228.77	1,228.17	1,228.42	1,229.14	1,227.91	1,228.31	1,227.54	1,227.46	---
18	---	---	1,231.67	1,228.53	1,228.19	1,228.23	1,228.68	1,227.93	1,228.18	1,227.52	1,227.42	---
19	---	---	1,230.04	1,228.52	1,228.24	1,228.38	1,228.62	1,227.86	1,228.08	1,227.52	1,227.40	---
20	---	---	1,229.08	1,228.47	1,228.16	1,228.26	1,228.69	1,227.82	1,227.98	1,227.52	1,227.35	---
21	---	---	1,230.22	1,228.27	1,228.12	1,228.22	1,228.48	1,227.87	1,227.90	1,227.51	---	---
22	---	---	1,229.53	---	1,228.09	1,228.21	1,228.35	---	1,227.84	1,227.60	---	---
23	---	---	1,228.93	---	1,228.10	1,228.16	1,228.26	---	1,227.80	1,228.12	---	---
24	---	---	1,228.74	1,228.16	1,228.09	1,228.17	1,228.22	1,228.44	1,227.77	1,227.80	---	---
25	---	---	1,228.62	1,228.08	1,228.07	1,228.20	1,228.27	---	1,227.71	1,227.67	---	---
26	---	---	1,228.43	1,228.05	1,227.99	1,228.24	1,228.21	---	1,227.69	1,227.60	---	---
27	---	---	1,228.39	1,228.03	1,228.17	1,228.50	1,228.19	---	1,227.68	1,227.59	---	---
28	---	---	1,228.54	1,228.09	1,228.36	1,228.61	1,228.14	1,227.99	1,227.92	1,227.96	---	---
29	1,229.11	---	1,228.43	1,230.02	---	1,228.66	1,228.13	---	1,228.00	1,227.74	---	---
30	1,241.31	---	1,228.43	1,233.26	---	1,229.03	1,228.13	1,228.44	1,228.06	1,227.65	---	---
31	1,228.56	---	1,228.43	1,237.10	---	1,229.82	---	1,228.14	---	1,227.61	---	---
<b>Mean</b>	---	---	1,228.83	---	1,228.49	1,229.00	1,229.60	---	1,228.41	1,227.72	---	---
<b>Max</b>	---	---	1,231.67	---	1,230.94	1,237.23	1,236.78	---	1,230.76	1,228.17	---	---
<b>Min</b>	---	---	1,227.34	---	1,227.99	1,228.16	1,228.13	---	1,227.68	1,227.51	---	---

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