Water-Data Report 2012

02111391 W. KERR SCOTT RESERVOIR AT DAM NEAR WILKESBORO, NC

Upper Pee Dee Basin
Upper Yadkin Subbasin

LOCATION.--Lat 36°08′01″, long 81°13′36″ referenced to North American Datum of 1983, Wilkes County, NC, Hydrologic Unit 03040101, at W. Kerr Scott Dam on Yadkin River, 0.1 mi upstream from Fish Trap Creek, 2.0 mi upstream from Millers Creek, and 4.0 mi west of Wilkesboro.

DRAINAGE AREA.--367 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--August 1962 to current year.

GAGE.--Water-stage recorder and staff gage at dam. Datum of gage is 1,000 ft above NGVD of 1929. Satellite telemetry at station.

REMARKS.--Records good. Lake is used for flood control, low-flow augmentation, recreation, and water supply. Some storage was affected during construction in July 1962, but gates were closed August 22, 1962. Reservoir reached normal pool elevation on January 19, 1963. Total capacity at elevation 1,075.0 ft is 6,664,680,000 ft^3 of which 4,878,720,000 ft^3 is controlled flood storage.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 61.20 ft, November 7, 1977; minimum gage height, 19.85 ft, November 26, 1978.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 36.95 ft, May 15, 16; minimum gage height, 29.49 ft, September 2.

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 02111391, accessed at http://wdr.water.usgs.gov/wy2012/pdfs/02111391.2012.pdf

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GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	30.30	30.75	34.23	30.54	30.63	30.67	30.57	30.66	30.47	30.34	30.31	29.58
2	30.22	30.67	32.96	30.39	30.64	30.66	30.58	30.58	30.55	30.50	30.30	29.50
3	30.15	30.59	32.37	30.56	30.63	30.74	30.52	30.51	30.59	30.64	30.24	29.50
4	30.10	30.65	31.86	30.59	30.58	30.86	30.43	30.53	30.59	30.64	30.17	29.65
5	30.03	30.79	31.30	30.58	30.55	30.87	30.47	30.54	30.54	30.64	30.11	30.51
6	29.96	30.75	30.82	30.55	30.51	30.72	30.91	30.55	30.60	30.63	30.05	30.87
7	29.89	30.67	32.80	30.50	30.52	30.57	31.00	30.53	30.70	30.58	30.06	30.81
8	29.82	30.59	35.50	30.43	30.52	30.47	30.82	30.53	30.56	30.51	30.07	30.65
9	29.74	30.54	35.05	30.39	30.52	30.59	30.61	30.83	30.55	30.41	30.09	30.60
10	29.66	30.50	33.87	30.53	30.50	30.74	30.65	31.30	30.57	30.35	30.47	30.53
11	29.60	30.50	32.40	30.78	30.54	30.83	30.67	30.56	30.62	30.41	31.48	30.42
12	29.78	30.49	30.96	32.59	30.56	30.88	30.58	30.36	30.91	30.62	31.53	30.33
13	30.02	30.49	30.50	32.89	30.56	30.77	30.48	30.43	30.80	30.70	30.99	30.23
14	30.33	30.49	30.58	32.47	30.58	30.63	30.51	32.26	30.52	30.75	30.45	30.13
15	30.60	30.49	30.67	31.87	30.59	30.52	30.55	36.54	30.43	---	30.43	30.02
16	30.69	30.54	30.63	31.17	30.61	30.70	30.57	36.83	30.50	---	30.48	29.92
17	30.74	30.74	30.63	30.57	30.65	30.81	30.57	36.40	30.56	---	30.49	29.85
18	30.74	30.86	30.55	30.52	30.66	30.87	32.08	35.64	30.65	30.73	30.48	30.59
19	30.82	30.79	30.42	30.46	30.69	30.91	34.73	34.74	30.70	30.73	30.46	32.57
20	31.15	30.65	30.45	30.39	30.85	30.81	34.46	33.73	30.61	30.58	30.51	31.78
21	31.31	30.51	30.50	30.51	30.91	30.70	33.69	32.65	30.47	30.55	30.59	30.68
22	31.06	30.45	30.62	30.67	30.85	30.59	33.04	31.61	30.43	30.54	30.59	30.53
23	30.70	30.85	33.31	30.80	30.80	30.56	32.35	30.67	30.69	30.58	30.57	30.50
24	30.55	31.27	33.50	31.02	30.79	30.93	31.45	30.52	30.81	30.65	30.51	30.40
25	30.55	31.32	32.46	30.86	30.74	32.16	30.61	30.62	30.85	30.64	30.42	30.32
26	30.57	31.00	31.39	30.62	30.60	34.32	30.52	30.61	30.63	30.68	30.31	30.24
27	30.58	30.55	31.19	30.87	30.49	34.12	30.55	30.57	30.52	30.64	30.19	30.17
28	30.59	30.51	31.38	31.19	30.57	33.30	30.46	30.50	30.49	30.58	30.06	30.12
29	30.68	34.16	30.95	31.28	30.66	32.30	30.37	30.44	30.47	30.48	29.94	30.10
30	30.76	35.23	30.87	31.27	---	31.26	30.56	30.55	30.41	30.40	---	30.18
31	30.78	---	30.76	30.92	---	30.57	---	30.49	---	30.34	---	---
Mean	30.40	30.95	31.79	30.93	30.63	31.14	31.18	31.72	30.59	---	---	30.38
Max	31.31	35.23	35.50	32.89	30.91	34.32	34.73	36.83	30.91	---	---	32.57
Min	29.60	30.45	30.42	30.39	30.49	30.47	30.37	30.36	30.41	---	---	29.50

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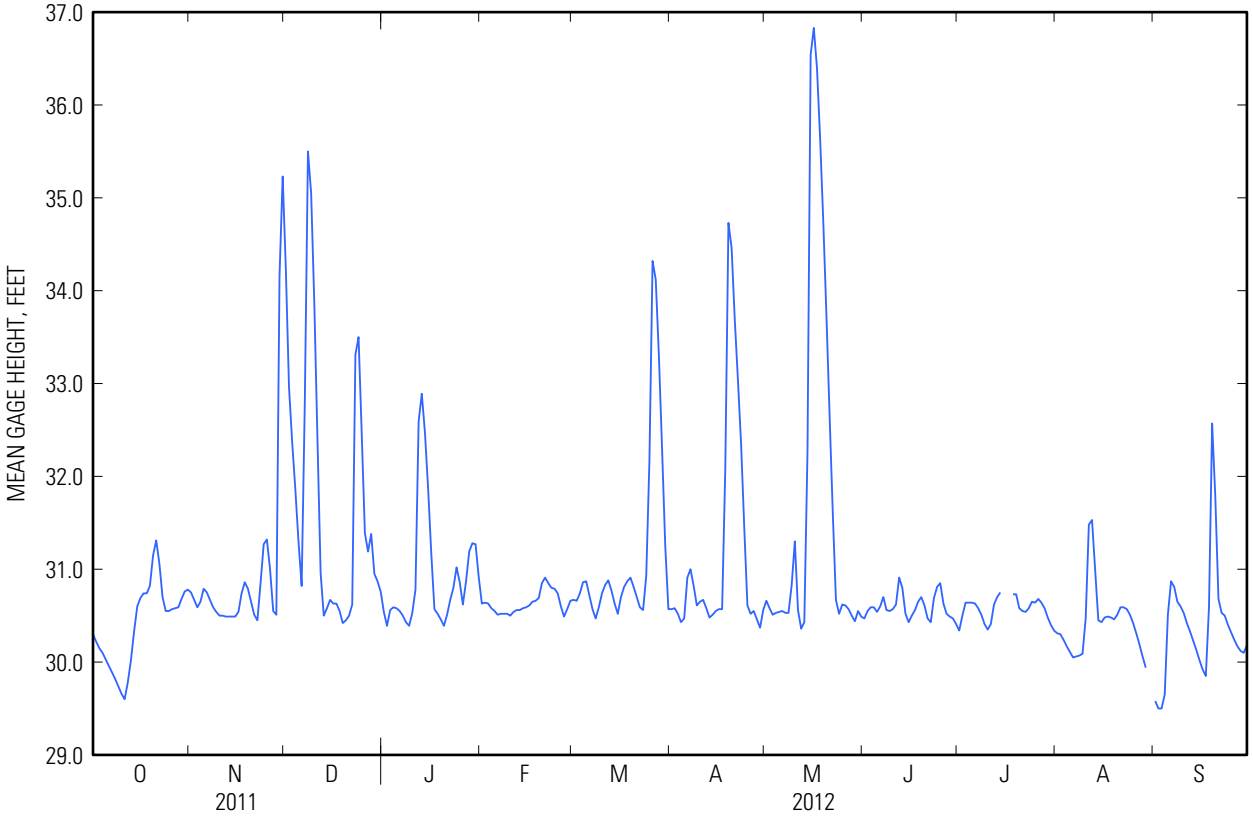


02111391 W. KERR SCOTT RESERVOIR AT DAM NEAR WILKESBORO, NC—Continued

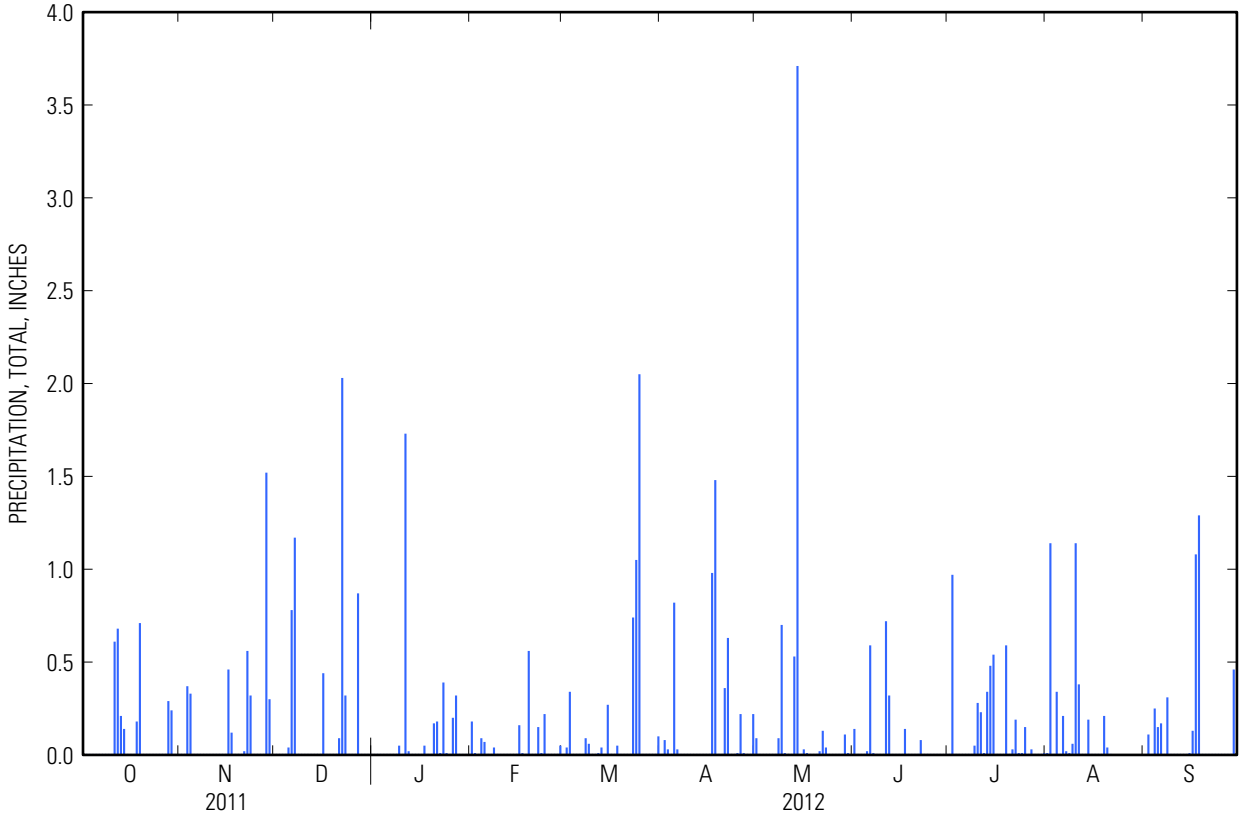
CLIMATOLOGICAL RECORDS

PERIOD OF RECORD.--October 2002 to current year.

INSTRUMENTATION.--Tipping-bucket raingage and electronic datalogger. Satellite telemetry at station.

REMARKS.--Gage is operated in cooperation with U.S. Army Corps of Engineers, Wilmington District. Precipitation data collected during freezing periods may not be accurately reflected in daily record.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY SUM VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	0.00	0.00	0.00	0.18	0.00	0.00	0.09	0.14	0.00	0.01	---
2	0.00	0.00	0.00	0.00	0.01	0.04	0.08	0.00	0.00	0.97	1.14	0.11
3	0.00	0.37	0.00	0.00	0.00	0.34	0.03	0.00	0.00	0.00	0.00	0.00
4	0.00	0.33	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.34	0.25
5	0.00	0.00	0.04	0.00	0.07	0.00	0.82	0.00	0.02	0.00	0.00	0.15
6	0.00	0.00	0.78	0.00	0.00	0.00	0.03	0.00	0.59	0.00	0.21	0.17
7	0.00	0.00	1.17	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.02	0.00
8	0.00	0.00	0.00	0.00	0.04	0.09	0.00	0.09	0.00	0.00	0.01	0.31
9	0.00	0.00	0.00	0.05	0.00	0.06	0.00	0.70	0.00	0.05	0.06	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.28	1.14	0.00
11	0.61	0.00	0.00	1.73	0.00	0.00	0.00	0.00	0.72	0.23	0.38	0.00
12	0.68	0.00	0.00	0.02	0.00	0.01	0.00	0.00	0.32	0.01	0.00	0.00
13	0.21	0.00	0.00	0.00	0.00	0.04	0.00	0.53	0.00	0.34	0.00	0.00
14	0.14	0.00	0.00	0.00	0.00	0.00	0.00	3.71	0.00	0.48	0.19	0.00
15	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00	0.00	0.54	0.00	0.01
16	0.00	0.46	0.44	0.00	0.16	0.00	0.00	0.03	0.00	0.00	0.00	0.13
17	0.00	0.12	0.00	0.05	0.01	0.00	0.98	0.01	0.14	0.00	0.00	1.08
18	0.18	0.00	0.00	0.00	0.00	0.05	1.48	0.00	0.00	0.00	0.00	1.29
19	0.71	0.00	0.00	0.00	e0.56	0.00	0.00	0.00	0.00	0.59	0.21	0.00
20	0.00	0.00	0.00	0.17	e0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00
21	0.00	0.02	0.09	0.18	0.00	0.00	0.36	0.02	0.00	0.03	0.00	0.00
22	0.00	0.56	2.03	0.01	0.15	0.00	0.63	0.13	0.08	0.19	---	0.00
23	0.00	0.32	0.32	0.39	0.01	0.74	0.00	0.04	0.00	0.01	---	0.00
24	0.00	0.00	0.00	0.01	0.22	1.05	0.00	0.00	0.00	0.01	---	0.00
25	0.00	0.00	0.00	0.00	0.00	2.05	0.01	0.00	0.00	0.15	---	0.00
26	0.00	0.00	0.00	0.20	0.00	0.00	0.22	0.00	0.00	0.00	---	0.00
27	0.00	0.00	0.87	0.32	0.00	0.00	0.01	0.00	0.00	0.03	---	0.00
28	0.29	1.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00
29	0.24	0.30	0.00	0.00	0.05	0.00	0.00	0.11	0.00	0.00	---	0.46
30	0.00	0.00	0.00	0.00	---	0.00	0.22	0.01	0.00	0.00	---	0.00
31	0.00	---	0.00	0.00	---	0.10	---	0.00	---	0.01	---	---
Total	3.06	4.00	5.74	3.13	1.55	4.84	4.87	5.48	2.02	3.92	---	---

02111391 W. KERR SCOTT RESERVOIR AT DAM NEAR WILKESBORO, NC—Continued