

Water-Data Report 2013

02169921 LAKE MARION NEAR ELLOREE, SC

Santee Basin
Lake Marion Subbasin

LOCATION.--Lat 33°33'07", long 80°30'16" referenced to North American Datum of 1927, Orangeburg County, SC, Hydrologic Unit 03050111, at Santee State Park, approximately 5.0 mi east of Elloree, SC.

DRAINAGE AREA.--14,300 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--July 1998 to current year.

GAGE.--Data collection platform. Datum of gage is NGVD of 1929 (National Geodetic Survey benchmark).

REMARKS.--Prior to October 2005, midnight readings were published.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 77.00 ft, Apr. 15, 2003; minimum gage height, 66.58 ft, Dec. 26, 2007.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 76.78 ft, July 17; minimum elevation, 72.09 ft, Dec. 21.

02169921 LAKE MARION NEAR ELLOREE, SC—Continued

ELEVATION OF RESERVOIR WATER SURFACE ABOVE DATUM, FEET
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

| Day | Max | Min | Mean | Max | Min | Mean | Max | Min | Mean | Max | Min | Mean |
|--------------|---------|-------|-------|----------|-------|-------|----------|-------|-------|---------|-------|-------|
| | October | | | November | | | December | | | January | | |
| 1 | 75.06 | 75.02 | 75.04 | 74.09 | 73.94 | 74.02 | 73.14 | 73.10 | 73.12 | 73.42 | 73.35 | 73.38 |
| 2 | 75.04 | 74.95 | 75.01 | 74.04 | 73.92 | 73.99 | 73.12 | 73.08 | 73.11 | 73.42 | 73.36 | 73.40 |
| 3 | 75.00 | 74.92 | 74.97 | 74.09 | 74.02 | 74.06 | 73.10 | 73.04 | 73.06 | 73.40 | 73.34 | 73.38 |
| 4 | 74.98 | 74.90 | 74.92 | 74.06 | 73.94 | 74.01 | 73.04 | 73.01 | 73.03 | 73.35 | 73.24 | 73.29 |
| 5 | 74.95 | 74.90 | 74.92 | 74.03 | 73.94 | 73.98 | 73.03 | 72.97 | 73.00 | 73.25 | 73.19 | 73.22 |
| 6 | 75.00 | 74.93 | 74.95 | 74.03 | 73.86 | 73.95 | 73.04 | 72.96 | 72.99 | 73.20 | 73.12 | 73.16 |
| 7 | 74.97 | 74.92 | 74.95 | 73.87 | 73.74 | 73.80 | 72.98 | 72.87 | 72.91 | 73.13 | 73.06 | 73.09 |
| 8 | 75.00 | 74.91 | 74.95 | 73.79 | 73.74 | 73.76 | 72.90 | 72.84 | 72.88 | 73.08 | 72.99 | 73.03 |
| 9 | 74.99 | 74.93 | 74.95 | 73.80 | 73.75 | 73.77 | 72.89 | 72.83 | 72.85 | 73.01 | 72.96 | 72.99 |
| 10 | 74.97 | 74.90 | 74.94 | 73.76 | 73.72 | 73.74 | 72.83 | 72.78 | 72.81 | 73.00 | 72.94 | 72.97 |
| 11 | 74.97 | 74.90 | 74.94 | 73.74 | 73.69 | 73.71 | 72.81 | 72.74 | 72.77 | 72.99 | 72.88 | 72.91 |
| 12 | 74.93 | 74.90 | 74.92 | 73.70 | 73.64 | 73.67 | 72.85 | 72.70 | 72.75 | 72.89 | 72.85 | 72.87 |
| 13 | 74.97 | 74.87 | 74.91 | 73.67 | 73.50 | 73.60 | 72.83 | 72.65 | 72.73 | 72.86 | 72.78 | 72.82 |
| 14 | 74.89 | 74.83 | 74.85 | 73.62 | 73.54 | 73.58 | 72.75 | 72.69 | 72.71 | 72.79 | 72.67 | 72.72 |
| 15 | 74.86 | 74.69 | 74.79 | 73.68 | 73.45 | 73.55 | 72.73 | 72.67 | 72.70 | 72.67 | 72.61 | 72.63 |
| 16 | 74.77 | 74.73 | 74.75 | 73.56 | 73.53 | 73.55 | 72.70 | 72.66 | 72.68 | 72.63 | 72.54 | 72.59 |
| 17 | 74.76 | 74.71 | 74.74 | 73.62 | 73.51 | 73.55 | 72.84 | 72.59 | 72.67 | 72.67 | 72.32 | 72.53 |
| 18 | 74.75 | 74.69 | 74.71 | 73.53 | 73.40 | 73.45 | 72.72 | 72.44 | 72.61 | 72.54 | 72.40 | 72.50 |
| 19 | 74.72 | 74.63 | 74.68 | 73.49 | 73.41 | 73.44 | 72.64 | 72.60 | 72.62 | 72.62 | 72.51 | 72.57 |
| 20 | 74.69 | 74.61 | 74.65 | 73.46 | 73.40 | 73.43 | 72.88 | 72.39 | 72.70 | 72.71 | 72.60 | 72.64 |
| 21 | 74.71 | 74.63 | 74.67 | 73.44 | 73.38 | 73.41 | 72.57 | 72.09 | 72.33 | 72.79 | 72.71 | 72.74 |
| 22 | 74.64 | 74.62 | 74.63 | 73.41 | 73.31 | 73.36 | 72.67 | 72.34 | 72.54 | 73.04 | 72.71 | 72.87 |
| 23 | 74.63 | 74.59 | 74.60 | 73.38 | 73.32 | 73.35 | 72.68 | 72.65 | 72.66 | 73.40 | 73.00 | 73.22 |
| 24 | 74.62 | 74.54 | 74.56 | 73.37 | 73.28 | 73.31 | 72.78 | 72.66 | 72.69 | 73.74 | 73.37 | 73.52 |
| 25 | 74.58 | 74.52 | 74.54 | 73.38 | 73.31 | 73.35 | 72.81 | 72.69 | 72.71 | 73.74 | 73.68 | 73.71 |
| 26 | 74.55 | 74.39 | 74.47 | 73.31 | 73.27 | 73.30 | 72.92 | 72.40 | 72.71 | 73.81 | 73.71 | 73.75 |
| 27 | 74.40 | 74.19 | 74.30 | 73.28 | 73.23 | 73.25 | 72.77 | 72.56 | 72.69 | 73.84 | 73.78 | 73.81 |
| 28 | 74.28 | 74.08 | 74.20 | 73.25 | 73.19 | 73.22 | 72.96 | 72.77 | 72.86 | 73.81 | 73.77 | 73.79 |
| 29 | 74.13 | 73.88 | 74.02 | 73.23 | 73.15 | 73.18 | 73.07 | 72.85 | 72.95 | 73.85 | 73.79 | 73.82 |
| 30 | 74.15 | 73.95 | 74.07 | 73.16 | 73.10 | 73.13 | 73.28 | 72.98 | 73.15 | 74.12 | 73.73 | 73.97 |
| 31 | 74.12 | 73.96 | 74.06 | --- | --- | --- | 73.35 | 73.28 | 73.32 | 74.03 | 73.64 | 73.87 |
| Month | 75.06 | 73.88 | 74.70 | 74.09 | 73.10 | 73.58 | 73.35 | 72.09 | 72.82 | 74.12 | 72.32 | 73.15 |

02169921 LAKE MARION NEAR ELLOREE, SC—Continued

ELEVATION OF RESERVOIR WATER SURFACE ABOVE DATUM, FEET
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

| Day | Max | Min | Mean | Max | Min | Mean | Max | Min | Mean | Max | Min | Mean |
|--------------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | February | | | March | | | April | | | May | | |
| 1 | 74.12 | 73.80 | 73.99 | 74.73 | 74.54 | 74.66 | 75.61 | 75.53 | 75.58 | 75.08 | 75.00 | 75.04 |
| 2 | 74.24 | 74.12 | 74.19 | 74.89 | 74.67 | 74.80 | 75.61 | 75.51 | 75.56 | 75.10 | 75.01 | 75.06 |
| 3 | 74.34 | 74.07 | 74.19 | 75.10 | 74.86 | 74.99 | 75.51 | 75.45 | 75.48 | 75.27 | 75.04 | 75.14 |
| 4 | 74.44 | 74.29 | 74.37 | 75.18 | 75.02 | 75.12 | 75.57 | 75.33 | 75.45 | 75.42 | 75.19 | 75.27 |
| 5 | 74.53 | 74.42 | 74.45 | 75.26 | 75.13 | 75.20 | 75.35 | 75.28 | 75.32 | 75.53 | 75.32 | 75.41 |
| 6 | 74.59 | 74.50 | 74.53 | 75.13 | 74.79 | 74.94 | 75.40 | 75.29 | 75.33 | 75.32 | 75.22 | 75.27 |
| 7 | 74.77 | 74.56 | 74.62 | 75.04 | 74.98 | 75.01 | 75.40 | 75.35 | 75.37 | 75.27 | 75.11 | 75.22 |
| 8 | 74.80 | 74.62 | 74.72 | 75.01 | 74.91 | 74.96 | 75.40 | 75.35 | 75.37 | 75.11 | 74.83 | 74.98 |
| 9 | 74.93 | 74.77 | 74.85 | 74.98 | 74.93 | 74.95 | 75.36 | 75.30 | 75.33 | 74.97 | 74.74 | 74.80 |
| 10 | 75.13 | 74.93 | 75.02 | 75.02 | 74.95 | 74.98 | 75.31 | 75.26 | 75.28 | 75.76 | 74.97 | 75.37 |
| 11 | 75.25 | 75.04 | 75.17 | 75.10 | 74.97 | 75.01 | 75.30 | 75.21 | 75.24 | 76.10 | 75.76 | 75.97 |
| 12 | 75.45 | 75.21 | 75.33 | 75.06 | 74.96 | 75.02 | 75.28 | 75.11 | 75.20 | 76.12 | 76.04 | 76.08 |
| 13 | 75.52 | 75.39 | 75.48 | 75.00 | 74.84 | 74.93 | 75.14 | 75.11 | 75.13 | 76.28 | 76.11 | 76.20 |
| 14 | 75.54 | 75.45 | 75.51 | 75.01 | 74.92 | 74.96 | 75.26 | 75.08 | 75.12 | 76.38 | 76.26 | 76.34 |
| 15 | 75.52 | 75.45 | 75.49 | 75.08 | 74.98 | 75.03 | 75.32 | 75.06 | 75.15 | 76.41 | 76.35 | 76.38 |
| 16 | 75.45 | 75.04 | 75.32 | 75.10 | 75.02 | 75.05 | 75.24 | 75.15 | 75.19 | 76.41 | 76.36 | 76.38 |
| 17 | 75.27 | 75.05 | 75.12 | 75.16 | 75.06 | 75.11 | 75.29 | 75.20 | 75.23 | 76.38 | 76.33 | 76.36 |
| 18 | 75.06 | 74.94 | 75.01 | 75.30 | 74.98 | 75.18 | 75.40 | 75.24 | 75.29 | 76.33 | 76.25 | 76.31 |
| 19 | 74.94 | 74.77 | 74.87 | 75.39 | 75.18 | 75.23 | 75.41 | 75.21 | 75.32 | 76.29 | 76.21 | 76.25 |
| 20 | 74.77 | 74.73 | 74.75 | 75.29 | 75.22 | 75.26 | 75.46 | 75.21 | 75.38 | 76.28 | 76.12 | 76.18 |
| 21 | 74.76 | 74.69 | 74.73 | 75.29 | 75.10 | 75.17 | 75.54 | 75.42 | 75.48 | 76.19 | 76.07 | 76.14 |
| 22 | 74.80 | 74.63 | 74.70 | 75.28 | 75.23 | 75.25 | 75.53 | 75.36 | 75.42 | 76.12 | 76.05 | 76.08 |
| 23 | 74.70 | 74.56 | 74.63 | 75.45 | 75.25 | 75.32 | 75.39 | 75.32 | 75.35 | 76.06 | 75.99 | 76.03 |
| 24 | 74.65 | 74.49 | 74.54 | 75.71 | 75.37 | 75.49 | 75.37 | 75.30 | 75.32 | 75.99 | 75.83 | 75.91 |
| 25 | 74.59 | 74.47 | 74.53 | 75.54 | 75.14 | 75.31 | 75.32 | 75.24 | 75.28 | 75.96 | 75.89 | 75.93 |
| 26 | 74.62 | 74.49 | 74.54 | 75.38 | 75.29 | 75.34 | 75.33 | 75.27 | 75.30 | 75.94 | 75.86 | 75.89 |
| 27 | 74.58 | 74.45 | 74.52 | 75.45 | 75.34 | 75.39 | 75.32 | 75.24 | 75.27 | 75.93 | 75.87 | 75.90 |
| 28 | 74.60 | 74.41 | 74.53 | 75.50 | 75.41 | 75.45 | 75.30 | 75.19 | 75.26 | 75.92 | 75.81 | 75.86 |
| 29 | --- | --- | --- | 75.55 | 75.48 | 75.51 | 75.24 | 75.14 | 75.19 | 75.88 | 75.76 | 75.83 |
| 30 | --- | --- | --- | 75.60 | 75.52 | 75.57 | 75.14 | 75.02 | 75.09 | 75.79 | 75.68 | 75.75 |
| 31 | --- | --- | --- | 75.61 | 75.54 | 75.58 | --- | --- | --- | 75.71 | 75.62 | 75.67 |
| Month | 75.54 | 73.80 | 74.78 | 75.71 | 74.54 | 75.15 | 75.61 | 75.02 | 75.31 | 76.41 | 74.74 | 75.77 |

02169921 LAKE MARION NEAR ELLOREE, SC—Continued

ELEVATION OF RESERVOIR WATER SURFACE ABOVE DATUM, FEET
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

| Day | Max | Min | Mean | Max | Min | Mean | Max | Min | Mean | Max | Min | Mean |
|--------------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-----------|-------|-------|
| | June | | | July | | | August | | | September | | |
| 1 | 75.67 | 75.59 | 75.62 | 75.73 | 75.51 | 75.61 | 76.48 | 76.38 | 76.42 | 75.52 | 75.46 | 75.48 |
| 2 | 75.66 | 75.56 | 75.60 | 75.87 | 75.67 | 75.77 | 76.50 | 76.45 | 76.47 | 75.46 | 75.37 | 75.40 |
| 3 | 75.67 | 75.49 | 75.56 | 76.10 | 75.81 | 75.94 | 76.50 | 76.41 | 76.46 | 75.39 | 75.31 | 75.36 |
| 4 | 75.63 | 75.53 | 75.57 | 76.19 | 76.06 | 76.11 | 76.47 | 76.39 | 76.42 | 75.42 | 75.29 | 75.36 |
| 5 | 75.75 | 75.58 | 75.65 | 76.35 | 76.08 | 76.11 | 76.50 | 76.42 | 76.45 | 75.41 | 75.36 | 75.38 |
| 6 | 75.83 | 75.62 | 75.69 | 76.25 | 76.09 | 76.13 | 76.44 | 76.35 | 76.41 | 75.42 | 75.38 | 75.40 |
| 7 | 75.84 | 75.64 | 75.76 | 76.20 | 76.11 | 76.14 | 76.41 | 76.29 | 76.36 | 75.44 | 75.39 | 75.41 |
| 8 | 75.85 | 75.75 | 75.80 | 76.20 | 76.15 | 76.17 | 76.33 | 76.21 | 76.26 | 75.44 | 75.38 | 75.41 |
| 9 | 76.03 | 75.81 | 75.90 | 76.35 | 76.19 | 76.26 | 76.22 | 76.09 | 76.17 | 75.44 | 75.37 | 75.39 |
| 10 | 76.19 | 75.97 | 76.03 | 76.46 | 76.34 | 76.42 | 76.12 | 76.03 | 76.07 | 75.43 | 75.33 | 75.37 |
| 11 | 76.20 | 76.12 | 76.15 | 76.61 | 76.41 | 76.46 | 76.03 | 75.91 | 75.97 | 75.38 | 75.30 | 75.34 |
| 12 | 76.21 | 76.18 | 76.20 | 76.67 | 76.55 | 76.61 | 75.91 | 75.83 | 75.88 | 75.31 | 75.23 | 75.28 |
| 13 | 76.22 | 76.15 | 76.19 | 76.57 | 76.48 | 76.52 | 75.94 | 75.76 | 75.84 | 75.25 | 75.22 | 75.23 |
| 14 | 76.26 | 76.16 | 76.21 | 76.67 | 76.54 | 76.59 | 75.95 | 75.78 | 75.84 | 75.27 | 75.18 | 75.20 |
| 15 | 76.36 | 76.25 | 76.29 | 76.61 | 76.54 | 76.57 | 76.04 | 75.92 | 75.98 | 75.31 | 75.21 | 75.26 |
| 16 | 76.34 | 76.28 | 76.31 | 76.67 | 76.58 | 76.61 | 76.03 | 75.94 | 75.98 | 75.28 | 75.22 | 75.26 |
| 17 | 76.28 | 76.19 | 76.24 | 76.78 | 76.64 | 76.69 | 75.98 | 75.88 | 75.92 | 75.33 | 75.27 | 75.30 |
| 18 | 76.23 | 76.03 | 76.12 | 76.71 | 76.65 | 76.67 | 75.88 | 75.78 | 75.83 | 75.38 | 75.25 | 75.29 |
| 19 | 76.05 | 75.95 | 76.00 | 76.71 | 76.62 | 76.67 | 75.81 | 75.75 | 75.78 | 75.27 | 75.20 | 75.23 |
| 20 | 75.99 | 75.87 | 75.94 | 76.66 | 76.53 | 76.58 | 75.83 | 75.73 | 75.77 | 75.23 | 75.15 | 75.19 |
| 21 | 75.89 | 75.77 | 75.82 | 76.61 | 76.54 | 76.57 | 75.93 | 75.77 | 75.80 | 75.22 | 75.13 | 75.17 |
| 22 | 75.78 | 75.73 | 75.75 | 76.59 | 76.52 | 76.54 | 75.95 | 75.82 | 75.87 | 75.17 | 75.07 | 75.12 |
| 23 | 75.83 | 75.72 | 75.75 | 76.52 | 76.44 | 76.48 | 76.01 | 75.90 | 75.95 | 75.13 | 75.08 | 75.11 |
| 24 | 75.79 | 75.60 | 75.68 | 76.52 | 76.47 | 76.49 | 76.15 | 76.00 | 76.08 | 75.17 | 75.07 | 75.12 |
| 25 | 75.66 | 75.53 | 75.59 | 76.52 | 76.46 | 76.48 | 76.20 | 76.15 | 76.18 | 75.27 | 75.12 | 75.16 |
| 26 | 75.53 | 75.44 | 75.49 | 76.53 | 76.47 | 76.50 | 76.21 | 76.12 | 76.17 | 75.24 | 75.16 | 75.20 |
| 27 | 75.50 | 75.42 | 75.45 | 76.51 | 76.43 | 76.47 | 76.12 | 76.01 | 76.08 | 75.23 | 75.17 | 75.20 |
| 28 | 75.47 | 75.40 | 75.44 | 76.47 | 76.36 | 76.42 | 76.01 | 75.83 | 75.92 | 75.23 | 75.17 | 75.20 |
| 29 | 75.54 | 75.43 | 75.47 | 76.39 | 76.25 | 76.33 | 75.83 | 75.68 | 75.76 | 75.22 | 75.17 | 75.20 |
| 30 | 75.63 | 75.49 | 75.55 | 76.33 | 76.30 | 76.31 | 75.71 | 75.58 | 75.64 | 75.20 | 75.16 | 75.18 |
| 31 | --- | --- | --- | 76.46 | 76.29 | 76.35 | 75.58 | 75.51 | 75.55 | --- | --- | --- |
| Month | 76.36 | 75.40 | 75.83 | 76.78 | 75.51 | 76.37 | 76.50 | 75.51 | 76.04 | 75.52 | 75.07 | 75.27 |

| | Max | Min | Mean |
|-------------|-------|-------|-------|
| Year | 76.78 | 72.09 | 74.90 |