

HIGHLIGHTS

Valley Branch Watershed – Lake Levels, 2015

July 1, 2015

June precipitation, which on average, is the wettest month of the year, was somewhat above normal (5.29 inches at Lake Jane), versus a June average of 4.25 inches. It is a bit surprising that lake levels changed very little, with most up slightly. Most rains were slow, so again there wasn't a great deal of run-off. There is still very little water in the West Lakeland storage sites, and water was running slowly out of Eagle Point at the bench point, so no reading could be taken.

On a yearly basis, all lakes were lower than a year ago. Long Lake was 4.87 feet lower and Lake Jane was 3.01 feet lower than on July 1 2014. Last spring was very wet.

Storage values in the Project 1007 lakes showed plenty of storage but was not calculated because of uncertainty about storage on Eagle Point.

VALLEY BRANCH WATER LEVELS

DATE	LONG	O-D	JANE	SUNFISH	EAGLE POINT	ELMO	HORSE- SHOE	DOWN	SILVER LAKE	GRAVEL PIT	WLSS LOWER
2010											
1/1	937.08	925.67	919.96			882.72	871.14	886.14			
2/1	936.67	925.58	919.91								
3/1	936.45	925.49	919.86								
4/1	937.35	925.50	919.90			882.66	871.05	885.85			
5/1	937.31	925.35	919.87	888.86		882.64	868.70	884.82			
6/1	937.49	925.38	919.87	888.75		882.60	868.50	884.60			
7/1	938.46	925.70	920.00	888.75		882.66	868.48	884.50			
8/1	937.62	926.05	919.91	888.54		882.62	868.46	884.37			
9/1	937.35	926.08	919.85	888.49		882.56	868.56	884.59			
10/1	938.52	926.46	920.02	888.74		882.70	868.86	884.57			
11/1	937.76	926.56	919.79	888.54		882.60	868.84	884.37			
12/1	937.74	926.52	919.79								
2011											
4/1	939.14	927.79	920.26		894.45	883.68	871.78	886.16			
5/1	940.07	929.14	920.67	889.62	894.58	883.53	872.68	885.42			
6/1	938.99	929.22	920.77	889.78	894.55	883.76	874.79	885.32			
7/1	938.77	929.30	920.99	890.00	894.76	884.04	875.63	885.22	899.10		
8/1	940.86	929.34	922.11		896.76	884.81	875.78		989.48	866.68	
9/1	939.68	929.09	922.20	890.90	896.08	885.06	875.73	887.61	989.07	866.77	862.16
10/1	937.60	928.70	921.85	890.78	894.23	884.26	875.53	887.04	988.51	865.14	860.68
10/28	937.15	928.40	921.65	890.74	893.83	884.26	874.98	887.06			858.28
12/1	937.06	928.16	921.53		893.13	884.23	874.59				
2012											
4/1	937.53	928.25	921.80		893.73	884.31	875.52		988.29	862.45	
5/1	937.40	928.25	921.67	891.78	893.60	884.33	875.48	886.56	988.55	865.56	857.78
6/1	938.36	929.03	921.94	892.24	894.35	884.36	875.70	886.32	989.22	865.70	861.00
7/1	937.75	928.97	921.87	892.24	894.25	884.21	875.43	886.16	989.64	864.93	
8/1	937.26	928.83	921.72	891.92	894.04	884.22	874.78	885.72	988.68		
9/1	936.32	928.35	921.33	891.68	893.25	883.89	873.86	885.41	988.15		
10/1	935.60	927.69	920.87	891.00	893.21	883.65	873.00	884.66	987.75		
11/1	935.58	927.45	920.74	890.88		883.61	872.90				
12/1	935.60	927.27	920.74	890.56		883.11	872.90	884.50			
2013											
5/1	938.42	928.11	921.63		894.35		874.93		989.03		
6/1	939.20	928.92	921.79		894.27	884.37	875.77	887.44	989.22		
7/1	941.67	929.75	922.56	892.59	894.93	884.98	875.87	890.24	989.64	866.15	862.18
8/1	939.60	929.07	922.09		894.55	884.20	875.88	889.46	989.86	866.01	861.68
9/1	937.64	928.80	921.67		893.78	884.04	874.68	888.57	988.19		858.13
10/1	936.39	928.41	921.39	891.53	893.63	883.94	873.82	887.94	988.11		
11/1	936.18	928.32	921.41	891.75	893.57	884.14	873.40	887.64	988.06		
11/20	935.72	928.17	921.41	891.75	893.57	884.18	873.48	887.62			
2014											
5/1	940.52	929.18	922.11		896.02	884.60	875.54	889.51	988.41		
6/1	941.76	929.71	922.55		895.88	884.58	876.08	890.58	988.46	866.54	863.00
7/1	942.65	930.13	923.79		896.83	885.38	876.02		988.74	866.65	863.33
8/1	939.27	929.17	922.47		896.03	884.38	876.04	889.95		865.98	862.58
9/1	937.82	929.11	921.95		894.38	884.44	875.98	889.45		865.88	861.88
10/1	937.12	928.91	921.77		894.12	884.32	875.68	888.87		865.28	859.73
11/1	937.27	928.68	921.13		893.95	884.27	875.43	888.35		865.20	857.58
2015											
5/1	936.65	928.01	920.59		No read	884.30	875.43	886.67		No read	No read
6/1	937.41	928.09	920.64		No read	884.36	875.56	886.55		No read	No read
7/1	937.78	928.39	920.78			884.38	875.46	886.33		No read	No read
Month Diff.	0.37	0.30	0.14			0.02	-0.10	-0.22			
Year Diff.	-4.87	-1.74	-3.01			-1.00	-0.56				
Overflow	937.50	928.35	922.35	927.80	894.00	884.10	875.20	891.50			



Minnesota Association of Watershed Districts, Inc.

MINNESOTA CLIMATOLOGICAL NETWORK

Year: 15 Month: 06 Ob Time: am pm County: Township: Range: Section: 8

Name: Charles W. Taylor County Name: Washington Township Name:
 Address: 4677 Birchbark Tr. No. Lake Elmo, Minn. 55042 Telephone No. (612) 777-2979

24-HOUR AMOUNTS At the end of each month, forward forms to Office of State Climatology, Department of Natural Resources, University of Minnesota, 279 North Hall, St Paul, Minnesota 55108. **REMARKS:** Give times and comments about events. (Temperature and Phenology items are very useful). Type of Gauge: (Check One) Cyl. Test Tube Wedge Other

RAIN MELTED SNOW ETC. INCHES & HUNDTHS)	SNOW INS & TENTHS	SNOW ON GROUND INCHES	Hour	Remarks
			01	
			02	
			03	
0.68			04	
			05	
			06	
1.12			07	
			08	
			09	
			10	
			11	
0.40			12	
0.57			13	
			14	
			15	
			16	
			17	
0.58			18	
			19	
0.51			20	
			21	
0.40			22	
			23	
			24	
			25	
			26	
			27	
0.34			28	
			29	
0.59			30	thunderstorm + some hail
5.29			31	
TOTALS				

Avg. = 4.25

Date	Silver Lake East 62-0001 (1912)
10-Jan-13	986.45
18-Jan-13	987.28
28-Feb-13	987.53
26-Apr-13	988.81
8-May-13	989.03
22-May-13	989.28
4-Jun-13	989.22
20-Jun-13	989.26
27-Jun-13	989.78
2-Jul-13	989.64
11-Jul-13	989.33
15-Jul-13	989.25
25-Jul-13	988.99
1-Aug-13	988.86
15-Aug-13	988.7
29-Aug-13	988.45
12-Sep-13	988.19
26-Sep-13	988.09
11-Oct-13	988.11
24-Oct-13	988.12
5-Nov-13	988.06
29-Apr-14	989.48
16-May-14	989.41
20-May-14	989.54
28-May-14	989.46
3-Jun-14	989.74
13-Jun-14	989.47
19-Jun-14	990.10
26-Jun-14	989.78
1-Jul-14	989.59
10-Jul-14	989.31
15-Jul-14	989.24
22-Jul-14	989.10
8-Aug-14	989.00
19-Aug-14	988.70
12-Sep-14	988.78
23-Sep-14	988.68
10-Oct-14	988.72
24-Oct-14	988.62
7-Nov-14	988.50
15-Jan-15	988.57
5-Feb-15	988.45
16-Apr-15	988.33
1-May-15	988.19
15-May-15	988.24
28-May-15	988.44
12-Jun-15	988.71
22-Jun-15	988.84

Monthly Change 0.40
 Yearly Change -0.94
 Discharge Elevation 988.51
 Depth Over Outlet 0.33