HIGHLIGHTS

Valley Branch Watershed – Lake Levels, 2015

June 1, 2015

May precipitation was slightly above normal (3.59 inches versus 3.35 average at Lake Jane). As in May, the rains were gentle and slow, with the result that there was very little run-off. No water was running out of Eagle Point Lake, and the West Lakeland holding areas were again very low.

On a monthly basis, all lakes were slightly higher. Lake Elmo being the largest increase at 0.76 above the May 1 level.

On a yearly basis, all lakes were lower than a year ago. Long Lake was 4.35 feet lower and Downs Lake was 4.03 feet lower than on June 1 2014. Last spring was 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	DOWNS	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	898.41		
6/1	941.76	929.71	922.55		895.88	884.58	876.08	890.58	898.46	866.54	863.00
7/1	942.65	930.13	923.79		896.83	885.38	876.02		898.74	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
Month Diff.	0.76	0.08	0.05			0.06	0.13	-0.12			
Year Diff.	-4.35	-1.62	-1.91			-0.22	-0.52	-4.03			
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: 1 5 | Month: 0 5 | Ob Time: am / pm (X) | 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 [ ] Tipp. Tube [ ] Wedge [ ] Other [ ]

RAIN, MELTED SNOW, ETC. INCHES (HUNDREDTHS)	SNOW, SLEET INCHES (TENTHS)	SNOW ON GROUND INCHES		
			01	
			02	
0.24			03	thunderstorm
			04	
			05	
			06	
0.10			07	
0.33			08	
			09	
			10	
0.78			11	
			12	
			13	
			14	
0.45			15	
			16	
			17	
			18	
			19	
			20	
			21	
			22	
			23	
			24	
0.62			25	slow rain
			26	
0.60			27	
			28	
0.50			29	
0.17			30	
			31	
3.59			TOTALS	

Average 3.36

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

Monthly Change	0.25
Yearly Change	-1.02
Discharge Elevation	988.51
Depth Over Outlet	-0.07