

HIGHLIGHTS

Valley Branch Watershed – Lake Levels, 2015  
October 1, 2015

September's precipitation was well above average. (5.32 inches at Lake Jane), versus an average of 3.08 inches. However, only Downs Lake and Horseshow Lake were up significantly, 0.96 and 0.7 feet respectively. The modest changes with that much rain was probably that most of the rain came relatively slowly. Lake Elmo was at the same level for three months in a row.

On a yearly basis, only Downs Lake and Lake Jane changed significantly, both down 2.43 and 0.92 feet respectively.

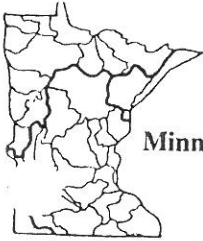
Storage values in the Project 1007 lakes showed no big changes, either over the month or over the year.

	Acres	Overflow	Level Elev.	Acre ft. Storage		Total
Long Lake	90	937.50	937.82	-28.80	}	50.60
O+D	220	928.35	929.08	-160.60		
Jane	160	922.35	920.85	240.00	}	-51.30
Eagle Pt.	130	894.00	894.15	-19.50		
Elmo	274	884.10	884.30	-54.80	}	-101.90
Horseshoe	60	875.20	875.66	-27.60		

		Tri Lakes	Lower Lakes	Total
	6/1/14	-715	-429	-1144
	7/1/14	-1085	-768	-1853
	8/1/14	-232	-391	-623
	9/1/14	269	133	402
Storage	10/1/14	4	-105	-101
Below	11/1/14	143	-54	89
Overflow	5/1/15	51	-102	-51
	6/1/15	51	-92	125
	7/1/15	217	-92	125
	8/1/15	34	-92	-61
	9/1/15	51	-102	-51
	10/1/15	51	-103	-32

VALLEY BRANCH WATER LEVELS

DATE	LONG	O-D	JANE	SUNFISH POINT	EAGLE	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	
8/1	938.26	928.99	920.83	894.08	884.30	875.46	885.95		No read	No read	
9/1	937.35	928.93	920.71	894.28	884.30	874.96	885.48		No read	No read	
10/1	937.82	929.08	920.85	894.15	884.30	875.66	886.44		No read	No read	
Month Diff.	0.47	0.15	0.14		-0.13	0.00	0.70	0.96			
Year Diff.	0.70	0.17	-0.92		0.03	-0.02	-0.02	-2.43			
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   
  Month   
  Ob Time   
  am/pm   
  County   
  Township   
  Range   
  Section   

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   

PAIN MELTED SNOW ETC INS & HDTHS)	SNOW INS & TENTHS	SNOW ON GROUND INCHES		
			01	
0.32			02	
			03	
			04	
			05	
			06	
1.10			07	
			08	
			09	
0.17			10	
			11	
			12	
0.06			13	
			14	
			15	
			16	
2.30			17	
0.36			18	
0.28			19	
			20	
0.13			21	
			22	
			23	
			24	
0.50			25	2 days light rain
			26	
			27	
			28	
			29	
			30	
			31	

Average = 3.08

6-11

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
7-Jul-15	989.12
21-Jul-15	989.36
6-Aug-15	988.94
17-Aug-15	988.82
2-Sep-15	988.86
17-Sep-15	989.1
29-Sep-15	989.2

Monthly Change 0.34  
 Yearly Change 0.52  
 Discharge Elevation 988.51  
 Depth Over Outlet 0.69