

## HIGHLIGHTS

### Valley Branch Watershed – Lake Levels, 2014

November 1, 2014

October was somewhat drier than normal with 1.87 inches of rain (89%) at Lake Jane. This is somewhat wetter than reported at the airport. All lakes were lower than October 1, but no big changes. Long Lake was a little higher because I took the reading off the benchmark rather than gages which are out of the water. The biggest drops were Lake Jane and Downs Lake, which were down 0.64 feet and 0.52 feet. All lakes in Project 1007, except Long Lake and Lake Jane are still above overflow, but only slightly.

On a yearly basis, most lakes are slightly higher than a year ago, except for Horseshoe Lake, which is 2 feet higher than a year ago.

Storage values in the Project 1007 lakes showed an increase in storage of 18 acre feet from last month and 389 acre feet less storage than a year ago. None of these differences are large.

	Acres	Overflow	Level Elev.	Acre ft. Storage		Total
Long Lake	90	937.50	937.27	20.70	} 143.30	} 89.42
O+D	220	928.35	928.68	-72.60		
Jane	160	922.35	921.13	195.20		
Eagle Pt.	130	894.00	893.95	6.50	} -53.88	
Elmo	274	884.10	884.27	-46.58		
Horseshoe	60	875.20	875.43	-13.80		

		Tri Lakes	Lower Lakes	Total
	7/1/13	-717	-662	-1379
	8/1/13	-306	-140	-446
	9/1/13	-3	76	73
Storage	10/1/13	240	257	497
Below	11/1/13	276	153	429
Overflow	5/1/14	-416	-420	-836
	6/1/14	-715	-429	-1144
	7/1/14	-1085	-768	-1853
	8/1/14	-232	-391	-623
	9/1/14	269	133	402
	10/1/14	4	-105	-101
	11/1/14	143	-54	89

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	920.87	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
Month diff.	0.15	-0.23	-0.64		-0.17	-0.05	-0.25	-0.52		-0.08	-2.15
Year Diff.	1.09	0.36	-0.28		0.38	0.13	2.03	0.71			
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

14 Year    10 Month    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. INS & HDTHS)	SNOW INS & TENTHS	SNOW ON GROUND INCHES
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			30	
			31	
1.87			TOTALS	

*Avg. 2.11*

