

## HIGHLIGHTS

### Valley Branch Watershed – Lake Levels, 2013

July 1, 2013

June was another very wet month with 9.07 inches of precipitation, (at Lake Jane), which is 2.23 times normal. All lakes were higher with Long Lake and Eagle Point as high as I have seen them. They were up 2.47 feet and 2.66 feet respectively. Also, the West Lakeland storage site and the Pit are close to their highs.

Yearly comparisons also show big changes with Long Lake and Eagle Point up 3.92 feet and 2.68 feet respectively above levels of a year ago.

Storage values in the Project 1007 lakes showed a decrease in storage of 1047 acre feet since last month and a decrease of 1221 acre feet since July 1, 2012.

	Acres	Overflow Elev.	Level	Acre ft. Storage	Total
Long Lake	90	937.50	941.67	-375.30	-716.90
O+D	220	928.35	929.75	-308.00	
Jane	160	922.35	922.56	-33.60	
Eagle Pt.	130	894.00	896.93	-380.90	-662.22
Elmo	274	884.10	884.98	-241.12	
Horseshoe	60	875.20	875.87	-40.20	

		Tri Lakes	Lower Lakes	Total
	12/1/11	213	114	327
	4/1/12	107	-42	65
	5/1/12	140	-28	112
Storage	6/1/12	-161	-147	-308
Below	7/1/12	-82	-76	-158
Overflow	8/1/12	17	-13	4
	9/1/12	269	133	402
	10/1/12	553	305	858
	11/1/12	628	375	1003
	12/1/12	666	512	1178
	5/1/13	85	-2	83
	6/1/13	-189	-143	-332
	7/1/13	-717	-662	-1379

VALLEY BRANCH WATER LEVELS

DATE	LONG	O-D	JANE	SUNFISH	EAGLE POINT	ELMO	HORSE- SHOE	DOWNS	SILVER LAKE	GRAVEL PIT	WLSS LOWER
2009											
1/1	936.18	927.23	920.58			883.43	872.65	884.94			
2/1	935.92	926.96	920.55			883.44	872.45	884.74			
3/1	935.81	927.02	920.62			883.48	872.43	884.64			
4/1	936.82	927.13	920.73			883.58	872.58	887.91			
5/1	936.60	927.09	920.53			883.49	872.24	887.39			
6/1	936.03	926.58	920.11			882.94	871.61	886.89			
7/1	935.84	926.30	919.91			882.82	871.22	886.69			
8/1	935.48	925.91	919.61			882.58	870.71	886.06			
9/1	936.56	925.97	919.74			882.70	870.66	886.28			
10/1	935.90	925.53	919.36			882.34	870.14	885.74			
11/1	937.34	925.89	919.81			882.65	871.53	885.86			
12/1	937.12	925.45	919.76			882.69	871.04	886.04			
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	989.10	865.70	861.00
7/1	937.75	928.97	921.87	892.24	894.25	884.21	875.43	886.16		864.93	
8/1	937.26	928.83	921.72	891.92	894.04	884.22	874.78	885.72			
9/1	936.32	928.35	921.33	891.68	893.25	883.89	873.86	885.41			
10/1	935.60	927.69	920.87	891.00	893.21	883.65	873.00	884.66			
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				
6/1	939.20	928.92	921.79		894.27	884.37	875.77	887.44			
7/1	941.67	929.75	922.56		896.93	884.98	875.87			866.15	862.18
Month diff.	2.47	0.83	0.77		2.66	0.61	0.10			below full	little water
Year Diff.	3.92	0.78	0.69		2.68	0.77	0.44				
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

13 06  am  pm  
 Year Month Ob Time 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

PAIN MELTED SNOW ETC. INS & HDTHS)	SNOW INS & TENTHS	SNOW ON GROUND INCHES		
0.14			01	
0.07			02	
			03	
			04	
			05	
0.13			06	
			07	
			08	
			09	
0.47			10	
			11	
			12	
0.82			13	
			14	
0.09			15	
0.86			16	
			17	
			18	
			19	
			20	
1.56			21	
2.57			22	
0.70			23	
			24	
			25	
			26	
1.07			27	
			28	
0.91			29	
			30	
			31	

Avq. June = 4.07

4.07