

HIGHLIGHTS  
Valley Branch Watershed – Lake Levels, 2014  
October 1, 2014

September was drier than normal (81%) at Lake Jane, but much wetter than reported at the airport. All lakes were lower than September 1, but no big changes. The biggest drops were Long Lake and Downs Lake, which were down 0.7 feet and 0.58 feet respectively. All lakes in Project 1007, except Long Lake and Lake Jane are still above overflow, but only slightly.

On a yearly basis, all lakes are higher than a year ago, but, except for Horseshoe Lake, the differences are not great.

Storage values in the Project 1007 lakes showed an increase in storage of 265 acre feet from last month and 598 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	937.12	34.20	-100.88
O+D	220	928.35	928.91	-123.20	
Jane	160	922.35	921.77	92.80	
Eagle Pt.	130	894.00	894.12	-15.60	
Elmo	274	884.10	884.32	-60.28	
Horseshoe	60	875.20	875.68	-28.80	

		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

VALLEY BRANCH WATER LEVELS

DATE	LONG	O-D	JANE	SUNFISHEAGLE POINT	ELMO	HORSE- SHOE	DOWNNS	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
10/1	937.60	928.70	921.85	890.78	894.23	884.26	875.53	887.04	988.51	866.14
10/28	937.15	928.40	921.65	890.74	893.83	884.26	874.98	887.06		860.68
12/1	937.06	928.16	921.53		893.13	884.23	874.59			858.28
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
6/1	938.36	929.03	921.94	892.24	894.35	884.36	875.70	886.32	989.22	865.70
7/1	937.75	928.97	921.87	892.24	894.25	884.21	875.43	886.16	989.64	864.93
8/1	937.28	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
8/1	939.60	929.07	922.09		894.55	884.20	875.88	889.46	989.86	866.01
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
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
Month diff.	-0.70	-0.20	-0.18		-0.26	-0.12	-0.30	-0.58		-0.60
Year Diff.	0.73	0.50	0.38		0.49	0.38	1.86	0.93		
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: 14    Month: 09    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 & H2O(S)	SNOW INS & TENTHS	SNOW ON GROUND INCHES	Hour	Remarks
0.55			01	
			02	
			03	
0.72			04	
			05	
			06	
			07	
			08	
			09	
0.70			10	
0.03			11	
			12	
			13	
			14	
			15	
			16	
			17	
			18	
			19	
			20	
0.23			21	
			22	
			23	
			24	
			25	
0.05			26	
			27	
			28	
			29	
0.20			30	
2.18			31	
TOTALS				

*Avg. = 2.69*

