

HIGHLIGHTS

Valley Branch Watershed – Lake Levels, 2012

November 1, 2012

October was another dry month, but thanks to almost an inch of rain on Oct. 25, precipitation for the month was 64% of normal. All lakes were down a modest amount but on Long Lake and Horseshoe Lake, readings were difficult because gages were out of the water.

Yearly comparisons show that all lakes were down, except Sunfish Lake, Horseshoe Lake and Long Lake were down 2.08 feet, and 1.57 feet respectively.

Storage values in the Project 1007 lakes showed an increase in storage of 145 acre feet since last month, and an increase in storage of 879 acre feet since October 1, 2011.

	Acres	Overflow Elev.	Level	Acre ft. Storage	Total
Long Lake	90	937.50	935.58	172.80	628.40
O+D	220	928.35	927.45	198.00	
Jane	160	922.35	920.74	257.60	
Eagle Pt.	130	894.00	893.21	102.70	374.96
Elmo	274	884.10	883.61	134.26	
Horseshoe	60	875.20	872.90	138.00	
					1003.36

		Tri Lakes	Lower Lakes	Total
	10/28/11	133	-9	124
	12/1/11	213	114	327
	4/1/12	107	-42	65
Storage	5/1/12	140	-28	112
Below	6/1/12	-161	-147	-308
Overflow	7/1/12	-82	-76	-158
	8/1/12	17	-13	4
	9/1/12	269	133	402
	10/1/12	553	305	858
	11/1/12	628	375	1003

VALLEY BRANCH WATER LEVELS

DATE	LONG	O-D	JANE	SUNFISH	EAGLE	ELMO	HORSE-	DOWN	SILVER	GRAVEL	WLSS
				POINT	POINT		SHOE	LAKE	LAKE	PIT	LOWER
2008											
1/1	937.49	927.47	920.97		893.58	883.75	873.74	886.63			
2/1	937.24	927.30	920.86		<893	883.70	873.54	886.09			
3/1	938.89	927.16	920.87		<893	883.67	873.22	886.35			
4/1	937.35	927.26	920.96		893.39	883.92	873.42	886.41			
5/1	939.05	928.24	921.40	891.84	894.47	884.17	875.52	886.84			
6/1	939.09	928.90	921.39	891.74	894.18	884.20	875.41	886.67			
7/1	938.07	928.75	921.34	891.60	894.15	884.14	875.41	886.43			
8/1	937.33	928.31	921.02	891.15	893.20	883.83	874.36	886.24			
9/1	936.77	927.87	920.76	890.90	<893	883.71	873.80	885.41			
10/1	936.61	927.58	920.68	890.47		883.56	873.26	885.17			
11/1	936.43	927.32	920.52	889.37		883.54	872.95	884.79			
12/1	936.41	927.08	920.52			883.58	872.78	884.75			
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	940.88	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				
Month diff.	-0.02	-0.24	-0.13	-0.12		-0.04	-0.10				
Year Diff.	-1.57	-0.95	-0.91	0.14		-0.65	-2.08				
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)			
RAIN MELTED SNOW ETC. INS & HOURS	SNOW INS & FENTHS	SNOW ON GROUND INCHES			Cyl.	Test Tube	Wedge	Other
			01					
			02					
			03					
			04					
			05					
			06					
			07					
			08					
			09					
0.04			10					
			11					
			12					
			13					
0.20			14					
			15					
			16					
			17					
			18					
0.15			19					
			20					
			21					
			22					
			23					
0.10			24					
0.87			25					
			26					
			27					
			28					
			29					
			30					
			31					
1.36			TOTALS					

Average = 2.11

