

HIGHLIGHTS

Valley Branch Watershed – Lake Levels, 2011

May 1, 2011

April's precipitation was 155% of average, with most of that falling late in the month. Most lakes were higher, with Olson & DeMontreville up a surprising 1.35 feet. At 929.14 feet, it is well above overflow. Long Lake and Horseshoe were both up 0.9 feet and Horseshoe is rising daily. Gages are in most lakes, which make lake level reading much easier.

On a yearly basis, all lakes are higher with Horseshoe and Long Lake up 3.98 feet and 2.76 feet respectively. Horseshoe Lake is receiving a lot of water from Eagle Point Lake.

Storage values in the Project 1007 lakes showed a decrease in storage of 470 acre feet since last month and a decrease of 1892 acre feet since May 1, 2010.

	Acres	Overflow Elev.	Level	Acre ft. Storage	Total
Long Lake	90	937.50	940.07	-231.30	95.68
O+D	220	928.35	929.14	-173.80	
Jane	160	922.35	920.67	268.80	
Eagle Pt.	130	894.00	894.58	-75.40	
Elmo	274	884.10	883.53	156.18	
Horseshoe	60	875.20	872.68	151.20	

		Tri Lakes	Lower Lakes	Total
	11/1/09	957	748	1705
	12/1/09	1087	766	1853
	1/1/10	1010	752	1762
	2/1/10	1075	752	1827
	3/1/10	1122	752	1874
Storage	4/1/10	1019	774	1793
Below	5/1/10	1074	920	1994
Overflow	6/1/10	1051	943	1994
	7/1/10	873	928	1801
	8/1/10	886	940	1826
	9/1/10	913	950	1863
	10/1/10	697	894	1591
	11/1/10	780	923	1703
	4/1/11	310	262	572
	5/1/11	-130	232	102

VALLEY BRANCH WATER LEVELS

DATE	LONG	O-D	JANE	SUNFISHEAGLE POINT	ELMO	HORSE- SHOE	DOWNS	CLOVER-Mc. DALE	Goetschel DONALD	GRAVEL POND	WLSS PIT	LOWER
2007												
1/1	937.13	927.69	921.31	<893	884.20	874.01	886.13	901.73		886.91	864.70	852.20
2/1	936.79	927.34	921.29	<893	884.20	874.16	886.41	901.34		887.06		
3/1	936.77	927.31	921.38	<893	884.24	874.19	886.00	901.39		886.59		
4/1	938.38	927.78	921.70		894.73	884.46	875.90	889.73	902.49		887.31	865.81 856.08
5/1	938.05	927.95	921.64	893.63	893.92	884.25	875.41	889.15	902.31		887.20	864.97 858.30
6/1	937.90	927.93	921.58	893.45	893.63	884.24	874.73	888.68	902.11		887.06	864.97 855.02
7/1	937.07	927.43	921.14	892.91	<893	883.80	873.80	887.94	901.39		886.38	864.72 852.00
8/1	936.27	926.79	920.65	892.31	<893	883.51	873.04	887.10	901.67		885.67	
9/1	936.91	926.79	920.72	892.35	<893	883.64	873.09	886.77	902.31		885.75	
10/1	937.86	926.90	920.92	892.45		883.76	873.19	886.80	902.75		885.92	
10/27	938.60	927.45	921.06	892.60	894.28	883.90	874.06	886.85	903.29		886.28	
12/1	937.63	927.07	920.86	892.29	893.64	883.60	873.50	886.73	902.69		885.94	
2008												
1/1	937.49	927.47	920.97		893.58	883.75	873.74	886.63	902.67			
2/1	937.24	927.30	920.86		<893	883.70	873.54	886.09				
3/1	936.89	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				
Diff from 11/1	0.93	1.35	0.41		0.13	-0.15	0.90	-0.74				
Year Diff.	2.76	3.79	0.80			0.89	3.98	0.60				
Overflow	937.50	928.35	922.35	927.80	894.00	884.10	875.20	891.50	908.50	908.50	929.50	865.70 861.00



Minnesota Association of Watershed Districts, Inc.

MINNESOTA CLIMATOLOGICAL NETWORK

Year
 Month
 am pm Ob Time
 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

RAINFALL (INCHES)	MELTED SNOW (CUBIC FEET)	SNOW ON GROUND (INCHES)	Hour	Remarks
0.19			01	
			02	
			03	
			04	
			05	
			06	
			07	
			08	
			09	
0.31			10	
			11	
			12	
			13	Ice out
			14	
			15	
0.18			16	
			17	
			18	
			19	
0.19		2"	20	2" wet snow
			21	
0.15			22	
			23	
0.13			24	
			25	
			26	
1.57			27	
			28	
0.17			29	
0.69			30	
			31	
3.56			TOTALS	