

HIGHLIGHTS

Valley Branch Watershed – Lake Levels, 2011

April 1, 2011

March precipitation was slightly above average (1.97 inches at Lake Jane) to cap off a very snowy winter. All lakes were up with Horseshoe and Long Lake up 2.94 feet and 1.4 feet respectively since Dec. 1, 2010. This is the first time in two years that there was water at the benchmark at Eagle Point. Also, readings at Lake Elmo, Horseshoe and Downs were taken with a sight level, and therefore less accurate.

On a yearly basis, all lakes, except Lake Jane, were over one foot above 2010 levels.

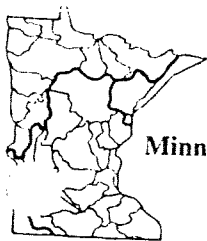
Storage values in the Project 1007 lakes showed a loss of 1131 acre feet since November 1, 2010.

	Acres	Overflow Elev.	Level	Acre ft. Storage	Total
Long Lake	90	937.50	939.14	-147.60	310.00
O+D	220	928.35	927.79	123.20	
Jane	160	922.35	920.26	334.40	
Eagle Pt.	130	894.00	894.45	-58.50	261.78
Elmo	274	884.10	883.68	115.08	
Horseshoe	60	875.20	871.78	205.20	

		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

VALLEY BRANCH WATER LEVELS

DATE	LONG	O-D	JANE	SUNFISH POINT	EAGLE	ELMO	HORSE- SHOE	DOWN	CLOVER-Mc. DALE	Goetschel DONALD	GRAVEL POND	WLSS PIT	LOWER
2006													
1/1	938.48	928.75	922.04		894.18	884.38	875.72	889.58	903.18	886.97	888.55	866.19	860.95
2/2	938.34	928.71	922.09		894.13	884.34	875.70	889.37	903.16	887.12	888.17	865.14	860.50
3/1	938.16	928.58	922.00		893.88	884.30	875.44	888.97	902.89	886.93	887.89	865.06	859.93
4/1	938.68	928.75	922.09		894.46	884.41	874.64	889.32	902.92	887.05	888.31	865.22	859.45
5/1	939.76	929.15	922.37	894.34	894.58	884.43	875.74	889.25	903.64	887.29	888.27	865.56	861.82
6/1	938.50	929.07	922.30	894.23	894.38	884.27	875.66	888.49	903.41		888.54	865.35	861.45
7/1	937.51	928.64	922.01	893.93	894.09	884.11	875.28	888.16	902.83		888.05	864.97	859.23
8/2	937.19	928.41	921.84	893.70	893.75	884.12	874.46	887.52	902.57		887.57	865.10	855.80
9/1	937.53	928.15	921.74	893.61	894.15	884.13	874.16	887.22	902.81		887.45	864.89	855.20
10/1	937.51	927.93	921.64	893.53	893.97	884.10	874.12	886.89	902.61		887.42	864.91	852.93
11/1	937.09	927.59	921.48	893.27	893.44	883.95	874.01	886.49	901.84		887.04	864.81	852.60
12/1	936.95	927.67	921.21	893.23	893.08	883.94	873.86	886.41	901.44		887.01	864.72	852.18
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					
Diff. from 12/1	1.40	1.27	0.47			1.08	2.94	1.79					
Year Diff.	0.62	1.07	0.03										
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

11	03	<input checked="" type="checkbox"/> am <input type="checkbox"/> pm						8
Year	Month	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

RAIN MELTED SNOW ETC. (INS. & FIFTHS)	SNOW ON S. & TENTH	SNOW ON GROUND (INCHES)	Hour	Remarks
0.04		1	01	
			02	
			03	
			04	
			05	
			06	
0.11		2 1/2	07	
			08	
0.10		1"	09	Very wet snow
			10	
			11	
			12	
			13	
			14	
			15	
			16	
			17	
			18	
			19	
0.23			20	
			21	
			22	
1.49			23	
			24	
			25	
			26	
			27	
			28	
			29	
			30	
			31	
1.91			TOTALS	

Avg. 1.86