

## HIGHLIGHTS

### Valley Branch Watershed – Lake Levels

June 1

2017

May's precipitation was above average (5.92 inches at Lake Jane), versus a Minnesota average of 3.60 inches. I expected that the lakes would be significantly higher, but that was generally not the case.

On a yearly basis, all lakes were higher, although not dramatically so. Olson & Demontreville and Eagle Point lakes were 0.7 and 1.6 feet higher respectively.

Storage values in the Project 1007 lakes on June 1 showed a negative storage of 1100 acre feet. This is not an emergency, but we certainly don't need any more rain for some time.

	Acres	Overflow	Level Elev.	Acre ft. Storage	Total
Long Lake	90	937.50	940.09	-233.10	-555.90
O+D	220	928.35	929.73	-303.60	
Jane	160	922.35	922.47	-19.20	
Eagle Pt.	130	894.00	896.48	-322.40	-540.54
Elmo	274	884.10	884.71	-167.14	
Horseshoe	60	875.20	876.05	-51.00	
					-1096.44

		Tri Lakes	Lower Lakes	Total
	8/1/15	34	-92	-61
	9/1/15	-556	-541	-1096
	10/1/15	51	-103	-32
Storage	5/1/16	-556	-541	-1096
Below	6/1/16	-556	-541	-559
Overflow	7/1/16	-366	-129	-495
	8/1/16	-338	-231	-569
	9/1/16	-627	-587	-1179
	10/1/16	-651	-597	-1248
	5/1/17	-651	-570	-1237
	6/1/17	-559	-541	-1100

VALLEY BRANCH WATER LEVELS

DATE	LONG	O-D	JANE	SUNFISH	EAGLE POINT	ELMO	HORSE- SHOE	DOWN	SILVER LAKE	GRAVEL PIT	WLSS LOWER
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	989.22	865.70	861.00
7/1	937.75	928.97	921.87	892.24	894.25	884.21	875.43	886.16	989.64	864.93	
8/1	937.26	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	862.18
8/1	939.60	929.07	922.09		894.55	884.20	875.88	889.46	989.86	866.01	861.68
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	898.41		
6/1	941.76	929.71	922.55		895.88	884.58	876.08	890.58	898.46	866.54	863.00
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
11/1	937.27	928.68	921.13		893.95	884.27	875.43	888.35		865.20	857.58
2015											
5/1	936.65	928.01	920.59		No read	884.30	875.43	886.67		No read	No read
6/1	937.41	928.09	920.64		No read	884.36	875.56	886.55		No read	No read
7/1	937.78	928.39	920.78			884.38	875.46	886.33		No read	No read
8/1	938.26	928.99	920.83		894.08	884.30	875.46	885.95		No read	No read
9/1	937.35	928.93	920.71		894.28	884.30	874.96	885.48		No read	No read
10/1	937.82	929.08	920.85		894.15	884.30	875.66	886.44		No read	No read
2016											
5-1	940.52	929.17	922.29		894.58	884.47	875.94	886.26			861.58
6-1	939.67	929.03	922.21		894.88	884.43	875.73	886.00			860.20
7-1	940.36	929.03	922.08		894.28	884.33	875.69	885.79			
8-1	940.22	928.97	922.08		894.78	884.43	875.85	885.76			
9-1	941.54	929.43	922.51		896.73	884.67	875.89	886.42			
10/1	941.71	929.55	922.40		896.83	884.73	875.97	886.69			862.68
2017											
5-1	938.72	929.43	922.47		895.78	884.65	875.98	887.01			
6-1	940.09	929.73	922.47		896.48	884.71	876.05	887.70			
Month Diff.	1.37	0.30	0.00		0.70	0.06	0.07	0.69			
Year Diff.	0.42	0.70	0.26		1.60	0.28	0.32	1.70			
Overflow	937.50	928.35	922.35	927.80	894.00	884.10	875.20	891.50			