

HIGHLIGHTS
 Valley Branch Watershed – Lake Levels
 July, 1
 2017

June’s precipitation was below average (3.0 inches at Lake Jane), versus a Minnesota average of 4.25 inches. Although the rain wasn’t great, there were many rainfalls, but no big runoff. As a result, all lake levels were down with Long Lake and Eagle Point down the most at 1.69 feet and 1.55 feet respectively.

On a yearly basis, there were mixed results but with Long Lake the biggest change, which was 1.96 feet below July 1, 2016.

Storage values in the Project 1007 lakes on July 1 showed a negative storage of 465 acre feet. This is down considerably from last month when there was a negative storage of 1100 acre feet.

	Acres	Overflow	Level Elev.	Acre ft. Storage	Total
Long Lake	90	937.50	938.40	-81.00	-464.72
O+D	220	928.35	929.33	-215.60	
Jane	160	922.35	922.25	16.00	
Eagle Pt.	130	894.00	894.33	-42.90	
Elmo	274	884.10	884.53	-117.82	
Horseshoe	60	875.20	875.59	-23.40	

		Tri Lakes	Lower Lakes	Total
	10/1/15	51	-103	-32
	5/1/16	-281	-184	-465
	6/1/16	-281	-184	-559
	7/1/16	-366	-129	-495
Storage	8/1/16	-338	-231	-569
Below	9/1/16	-627	-587	-1179
Overflow	10/1/16	-651	-597	-1248
	5/1/17	-651	-570	-1237
	6/1/17	-559	-541	-1100
	7/1/17	-281	-184	-465

VALLEY BRANCH WATER LEVELS

DATE	LONG	O-D	JANE	SUNFISH- POINT	EAGLE	ELMO	HORSE- SHOE	DOWNS	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			
7-1	938.40	929.33	922.25		894.93	884.53	875.59	887.28			
Month Diff.	-1.69	-0.40	-0.22		-1.55	-0.18	-0.46	-0.42			
Year Diff.	-1.96	0.30	0.17		0.65	0.20	-0.10	1.49			
Overflow	937.50	928.35	922.35	927.80	894.00	884.10	875.20	891.50			

Date	Silver Lake East 62-0001 (1912)
12-Jun-15	988.71
22-Jun-15	988.84
7-Jul-15	989.12
21-Jul-15	989.36
6-Aug-15	988.94
17-Aug-15	988.82
2-Sep-15	988.86
17-Sep-15	989.1
29-Sep-15	989.2
26-Jan-16	988.97
11-Feb-16	988.89
22-Mar-16	989.05
15-Apr-16	988.97
29-Apr-16	989.16
11-May-16	989.12
26-May-16	988.94
10-Jun-16	988.89
30-Jun-16	989.09
8-Jul-16	989.08
21-Jul-16	988.94
4-Aug-16	989.37
12-Aug-16	989.68
19-Aug-16	989.5
1-Sep-16	989.38
16-Sep-16	989.38
30-Sep-16	989.44
14-Oct-16	989.27
28-Oct-16	989.22
8-Nov-16	989.14
21-Nov-16	989.06
5-Dec-16	989.2
17-Jan-17	989.24
13-Feb-17	988.97
21-Mar-17	989.1
6-Apr-17	989.02
21-Apr-17	989.18
4-May-17	989.34
18-May-17	989.64
31-May-17	989.47
13-Jun-17	989.22

Yearly Change 0.33
Discharge Elevation 988.51
Depth Over Outlet 0.71