

Measure B1: SECCHI Disc Readings for 7 Eden Prairie Lakes

SECCHI Disc Readings
(Averages per year)

1 meter = 3.28 feet
depth in both meters and feet

Lake Name	2015	2014	2013	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003	2002	2000	1999
Bryant Lake meters			1.69	2.60	2.88	2.95	2.66	1.44	1.00	1.25	0.92	0.97		0.98		
feet			5.53	8.55	9.45	9.67	9.23	4.72	3.28	4.08	3.01	3.18		3.21		
Grade (Met Council)			C	B	B	B	B	C	D	C	D	D		D		
Max. Depth = 45 feet (Alum Fall 2008)																
Duck Lake meters	1.73	2.19		0.88	2.12			1.2			0.49					
feet	5.66	7.18		2.87	6.94			5.59			1.61					
Grade (Met Council)	C	C		D	C			C			F					
Max Depth = 10 feet																
Idlewild Lake meters	1.67	2.06														
feet	5.49	6.77														
Grade (Met Council)	C	C														
Max Depth = 9 feet																
Mitchell Lake meters	1.42	1.55	1.88	1.52	1.85	1.79	1.56	1.17	1.47	1.12	1.22	1.66	1.40	1.86	1.45	1.18
feet	4.65	5.07	6.15	4.99	6.08	5.87	5.09	3.85	4.83	3.66	4.00	5.46	4.59	6.10	4.74	3.86
Grade (Met Council)	C	C	C	C	C	C	C	D	C	D	C	C	C	C	C	D
Max. Depth = 16 feet																
Red Rock Lake meters	1.56	1.59	1.94	2.41	2.58	1.49	1.82	1.84		1.21	1.44	1.37	1.71		1.68	1.22
feet	5.11	5.20	6.36	7.91	8.46	4.89	5.98	6.02		3.97	4.71	4.49	5.60		5.50	4.01
Grade (Met Council)	C	C	C	B	B	C	C	C		D	C	C	C		C	C
Max. Depth = 16 feet																
Riley Lake meters	3.10	2.00	1.96	1.40	2.35	1.90	1.84	1.69	1.87	2.26	1.99	1.70	1.49	2.02	2.69	1.39
feet	10.16	6.57	6.43	4.60	7.72	6.22	6.04	5.56	6.49	7.42	6.53	5.56	4.87	6.63	8.81	4.56
Grade (Met Council)	A	C	C	C	B	C	C	C	C	B	C	C	C	C	B	C
Max. Depth = 49 feet																
Round Lake meters	2.76	2.31	2.48	1.56	2.27	1.80	1.92	1.77	2.07	1.79	1.90	1.34	1.73	1.73		
feet	9.05	7.59	8.12	5.11	7.46	5.90	6.30	5.82	6.80	5.86	6.23	4.40	5.66	5.66		
Grade (Met Council)	B	B	B	C	B	C	C	C	C	C	C	C	C	C		
Max. Depth = 37 feet (Alum Fall 2012)																
Staring Lake meters	1.34	1.19	0.79	0.60	0.71	0.76	0.30	0.50		0.42		0.53		0.54		
feet	4.38	3.89	2.59	1.98	2.32	2.49	1.00	1.65		1.39		1.97		1.76		
Grade (Met Council)	C	D	D	F	D	D	F	F		F		F		F		
Max. Depth = 16 feet																
Lake Average meters	1.98	1.81	1.79	1.57	2.11	1.78	1.68	1.40	1.60	1.34	1.49	1.26	1.58	1.43	1.94	1.26
feet	6.50	5.92	5.86	5.14	6.92	5.84	5.61	4.60	5.35	4.40	4.90	4.18	5.18	4.67	6.35	4.14
Grade (Met Council)	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C

Grades (Secchi Depth):

- A = > 9.8 ft.
- B = 7.2 - 9.8 ft.
- C = 3.9 - 7.2 ft.
- D = 2.3 - 3.9 ft.
- F = < 2.3 ft.

The numerical score for each water quality parameter are averaged to compute a lake grade on a scale from A to F.

- A = Lakes with an A grade are generally healthy and characterized by beautiful clear water. These lakes are well-suited for recreational activities of all kinds throughout the summer.
- B = Lakes with a B grade are also good for swimming and recreation, but late summer algae blooms may cut the season short.
- C = The C grade signifies that a lake is typical of lakes in the seven-county metropolitan area. C lakes may not be ideal for swimming, boating, and fishing due to summer algae growth.
- D/F = When a lake gets a D or F, it has limited water transparency, severe algae problems and very limited recreational use.

Impaired Water Standard is typically less than 1.0 meters for shallow lakes and 1.4 meters for all others

- Duck, Idlewild, Mitchell, Red Rock and Staring would be considered shallow lakes

A Level 1 Recreational Use Goal (for example Bryant and Riley Lakes) is typically 2.2 meters for secchi disc