

Black Oak Lake Shoreline Summary

An Addendum to the Black Oak Lake Watershed Protection Program: Adaptive Lake Management Plan (Phase 3, 2008) - Prepared by White Water Associates, Inc.

Two hundred thirty-one (231) shoreline segments (each 160 feet long) were assessed for a variety of shoreline parameters by members of the Black Oak Lake Riparian Owners Association in 2008. The data and photographs of each of the segments are contained in the Black Oak Lake Watershed Protection Program: Adaptive Lake Management Plan (Phase 3, 2008). This data summary is included as an addendum to that report. This data will be a useful tool in identifying and planning restoration projects in the Black Oak Lake riparian area and for monitoring long-term change.

Black Oak Lake Shoreline – Development		
Type	Number of records	% records
house	145	63%
shed	11	5%
garage	5	2%
gravel drive	1	0.4%
paved drive	3	1%
lawn	31	13%
other	0	0%

For 76 segments no development was noted (33% of the segments).

Black Oak Lake Shoreline – Structures		
Type	Number of records	% records
dock	126	55%
breakwater	4	2%
stormwall	4	2%
boathouse	47	20%
rip-rap	20	9%
other	8	3%

For 81 segments no structure was noted (35% of the segments).

Black Oak Lake Shoreline – Access		
Type	Number of records	% records
none	100	43%
unimproved path	76	33%
gravel path	2	1%
chip path	0	0%
paved path	3	1%
boardwalk	13	6%
stairs	64	28%
other	2	1%

For 102 segments no access was noted (44% of the segments).

Black Oak Lake Shoreline – Beach		
Type	Number of records	% records
None	3	1%
natural	228	99%
artificial	1	0%
stable	32	14%
eroding	0	0%
other	0	0%

“Natural beach” is by far the most observed condition on the Black Oak Lake shoreline (99% of segments).

Black Oak Lake Shoreline – Vegetation		
Type	Number of records	% records
upland	147	64%
wetland	6	3%
forested	86	37%
shrub	16	7%
natural openings	0	0%
stream	0	0%
other	4	2%

Black Oak Lake Shoreline – Buffer		
Type	Number of records	% records
buffer_none	14	6%
1-3 ft	3	1%
4-10 ft	23	10%
above 10 ft	187	81%
type: herbaceous	28	12%
type: shrubs	186	81%
type: trees	185	80%
type: other	3	1%

There were 44 segments (19%) where shoreline buffer was either not checked or checked with choice other than “above 10 ft”. In other words, 40 segments where the buffer was marked 10 or fewer feet in width (none, 1-3ft, or 4-10 ft) and 4 cases where it was left unmarked.

Black Oak Lake Shoreline – Erosion		
Type	Number of records	% records
none	229	99%
undercut banks/slumping	0	0%
furrows/gullies	0	0%
bare earth	3	1%
other	0	0%

Erosion was not observed along the Black Oak Lake shoreline (99% of segments).

Black Oak Lake Shoreline – Bank Height		
Type	Number of records	% records
none	157	68%
slight (< 2 ft)	56	24%
abrupt (2 ft or greater)	18	8%