

APPENDIX D

Photolog



Photographs 1-2. The tributary to Cove 4, (Kiddie Corral) is heavily vegetated with a forest canopy and herbaceous understory vegetation.



Photographs 3-4. The shoreline is eroding (indicated by white arrows in photos) at the upstream end of Cove 4 (Kiddie Corral).



Photographs 5-6. The lot located at wagon Wheel Dr. and Indian Dr. had no silt fence installed. This culvert (right) drains runoff from the lot to Cove 4.



Photographs 7-8. Erosion along Sioux cove (indicated by white arrows), likely caused by waves emanating in main body of the lake.



Photograph 9. Lot 759, in Sioux Cove's watershed, had a gap in its silt fence (circled in the photo).



Photograph 10. A newly seeded lawn (brown areas are bare ground) along Cove 6 that did not have any sediment or erosion controls.



Photographs 11-12. This dock, located at the head of Cove 6, was installed over winter 2011. No erosion or sediment controls were used during installation.



Photographs 13-14. Soy bean fields adjacent to the wooded riparian corridor of Straight Creek, west of Waynoka Dr.



Photographs 15-16. Straight Creek west of Waynoka Dr. (left) and west of Martin Alexander Rd. (right).



Photographs 17-18. Straight Creek riparian corridor east (left) and west (right) of Martin Alexander Rd.



Photographs 19-20. The eroded west bank of Straight Creek is visible through the trees.



Photographs 21-22. Straight Creek downstream sample locations.



Photographs 23-24. Tributary to Cove 8 looking north (left) away from the lake and south (right), toward the lake.



Photographs 25-26. Tributary to Cove 8 off of Louderback Rd. has a dense overstory canopy with a sparser understory.



Photographs 27-28. Tributary to Cove 8 downstream sample location.



Photographs 29-30. The drainage area to Cove 11 has many developing lots that lack sediment and erosion control.



Photographs 31-33. Lot 421 on Cove 11, does not have silt fence in the front or on the sides, where sediment can reach the lake via culverts, indicated by white arrows. Silt fence is present in the rear, but had a gap during our July visit (indicated by circle on lower left photo).



Photographs 34-35. Cove 13 and at the downstream (left) and upstream (right) sample locations.



Photographs 36-37. The upstream (left) and downstream (right) sample locations in Cove 4 (Kiddie Corral) had fairly green water indicating that a large concentration of phytoplankton may be present.



Photographs 38-39. Tributary to Cove 8 upstream sample location. Note the algae on the water surface in the left photo and the green cast to the water in the right photo.



Photographs 40-41. A large amount of organic material is present in Cove 4 (Kiddie Corral), more than observed in any other cove.



Photographs 42-43. Straight Creek has a large amount of sediment accumulating along the west side of the channel.



Photographs 44-45. Cove 4. Sample points two and three (left and right) had significantly more silt present than gravel or sand.



Photographs 46-47. Cove 8. Sample points one and three (left and right) had significantly more of the smallest size grains than gravel.



Photograph 48 (left). Straight Creek sediment sample had significantly more sand than very fine sand, silt and clay.