LAKE SANTA FE
LAKE CONDITIONS TIME LINE

1994 Wayne Herndon (local representative of DNR) does fish survey. Board hires Bruce Muench (retired Illinois biologist) for $1100 to study the lake and give his perspective of how to maintain it.

1995 After two site visits, Muench sends his final report to L.S.F. board. A special meeting occurs in September for all residents to discuss Meunch's proposal and decide the direction to be taken. Against the will of the majority of the residents and the conservation committee, members of the Board decide (three votes for and two votes against) to put in 200 grass carp ($1063).

1996 Coffer dam dug out ($963)

1997 Board asks Scott Blickenstaff / John Phillips to form new dredging committee to investigate feasibility of dredging the inlet. Engineer Peter Berinni and Contractor Nestor Madson visit L.S.F. to assess the problem.

1998 New conservation committee formed. List of responsibilities defined and presented to the board. Maintenance done to coffer dam. Lower holes boarded up to hold back more water upstream to let sediment settle out. Wayne Herndon does fish study in September.

1999 Conservation committee agrees that before any dredging is done, we need to shore up the creek above the coffer dam. Concept is to dig creek bed down to original depth to allow coffer dam to back water farther up stream creating a "settling pond." This will take the permission of upstream landowners because L.S.F. property only extends thirty feet past the coffer dam. Owens and Mischler identified as property owners. Owens gives the OK to proceed but Mischler will not allow us to do anymore than make "wing dams" in the creek bed using existing materials. October Conservation committee members do sediment survey from inlet to past Blickenstaff's property to determine amount of sediment that would have to be dredged out to regain original lake bottom.

2000 April Herndon out to apply Aquathol K chemical to upper inlet to target Naiad vegetation. ($143). Efforts continue to get Mischler to comply with our requests. October Wayne Herndon does fish survey.

2001 Conservation committee comes to conclusion that we can no longer wait on Mischler. Decision is made to construct four wing dams upstream of the coffer dam to slow down the water as much as possible before it reaches the coffer dam. Wing dams are constructed on a April work day. Aquathol K applied to upper end May 1. Second application put on in June with random

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spots treated with copper sulfate ($202 total). June 103 grass carp sited and counted by three residents. September Contractors contacted to place bids for digging out inlet area. Because of the size and location of the job, getting contractors to place bids was difficult.

2002 February Conservation committee submits five priorities to deal with the vegetation problem:**1)** Removing the nutrient rich sediment in the upper end of lake. **2)** Mandatory septic system pumping every three years for lakeside residents. **3)** Try using more potent chemicals (Diquat for naiads, Cutrine Plus for filamentous algae.) **4)** Ban backyard fertilizing for lakeside residents. **5)** Potentially adding 36 grass carp every 4 to 5 years. February Carter Hare gives L.S.F. bid for the dredging project. March Board considers dredging options as below. Board would like to plan to proceed with items labeled "quote #1 and #2". Due to time and budget constraints, the target date for dredging would be September 2003. In the meantime, chemical treatments will need to be applied with a planned budget allowance of $1000 per year.

Quotation of Inlet Project February 2002
Estimates given by: CARTER HARE EXCAVATING

If project is done in the fall, dewatered soil could be removed by following summer.
All quotes include removal of soil to south side of dam.

To allow for a variable budget and to increase understanding,
the quote has been broken down into 4 different job descriptions.

Quote #1: Use dragline to remove sediment from entrance to north side of Ferguson Island. 300' long by 85' wide and an average sediment depth of 4.4'. Estimated at 4155 cubic yards of sediment. Armstrong property would be used as a dewatering area. **$13,700**

Quote #2: Coffer dam settling pond. This price reflects machines being already on site. **$500** (For future maintenance every 5 years the price would be $650-$700)

Quote #3: The removal of Ferguson Island and the area around the island down to a depth consistent with the rest of the lake bottom in that vicinity. Estimated at 2000 cubic yards. **$6,800**

Quote #4: Becker property. (Quoted at request of Becker) Would have to bring machines in through Becker yard. No estimated cubic yards. **$4,800**