



Coeur d'Alene, Idaho
31 March – 4 April, 2003

Fond du Lac Reservation Water Quality Program

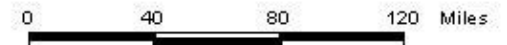
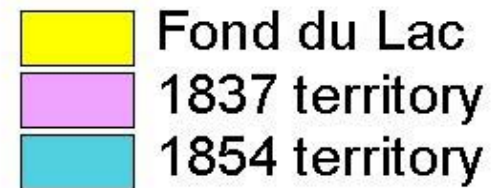
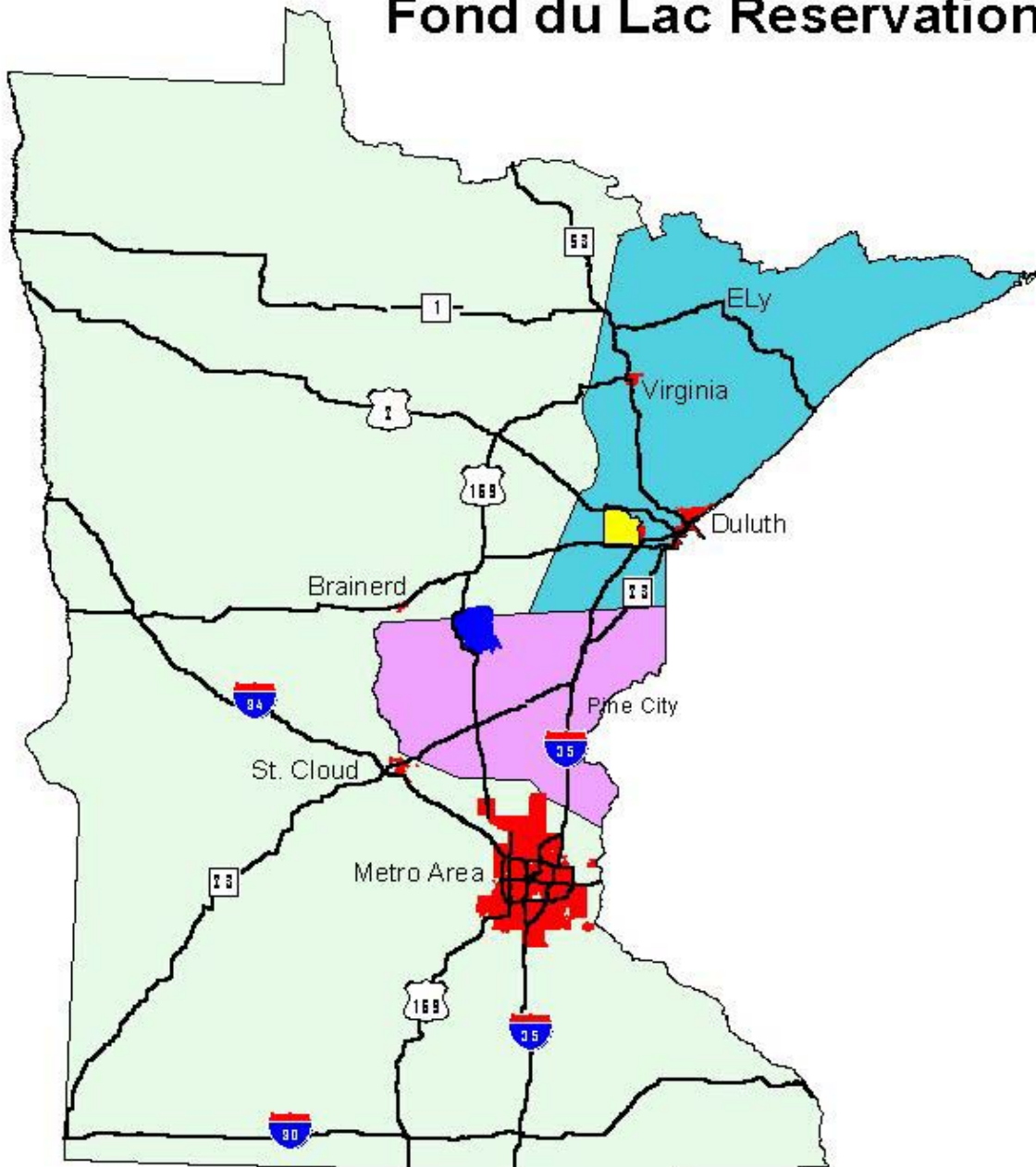
Presented by

Nancy Costa

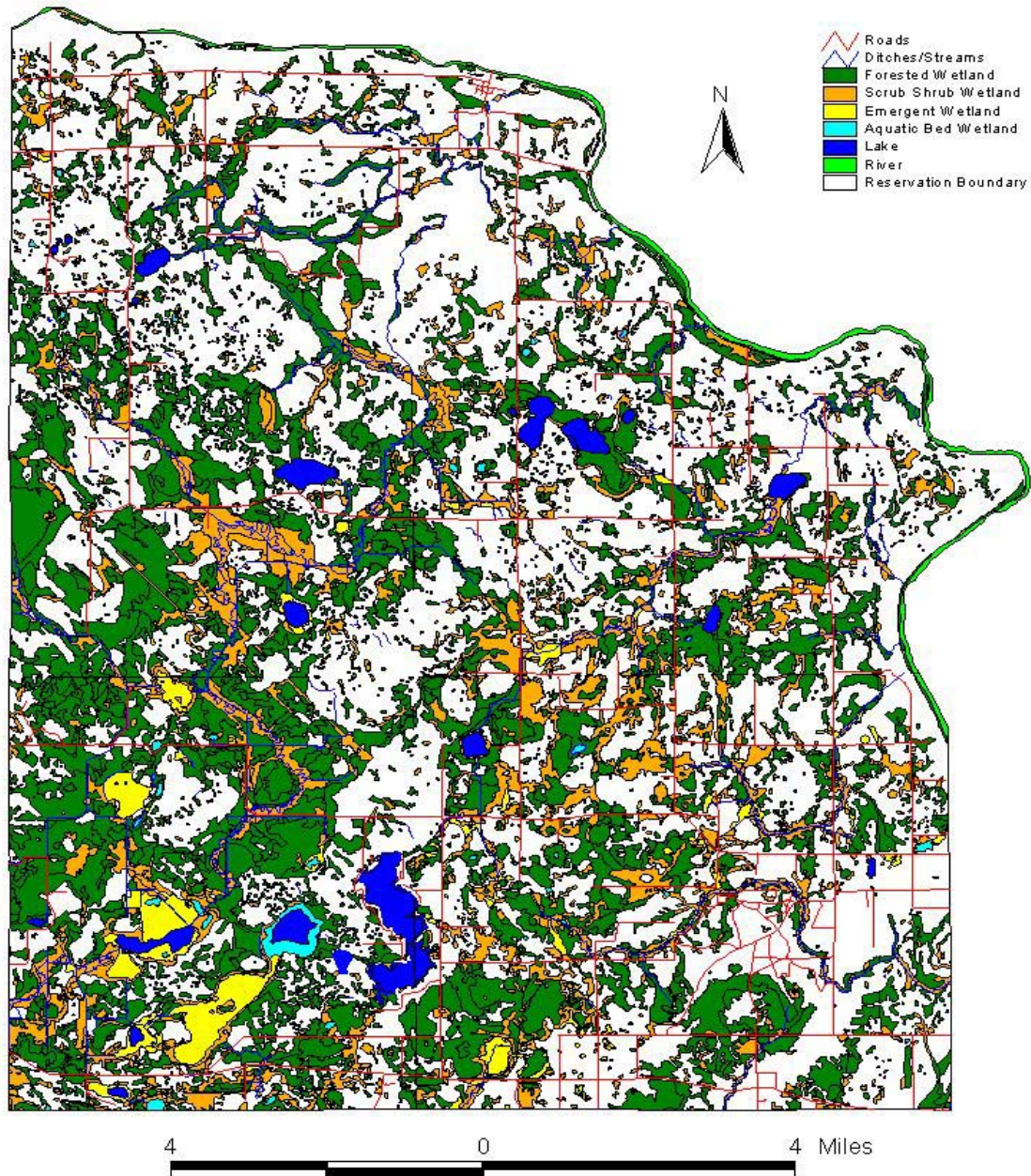
Fond du Lac Reservation



Fond du Lac Reservation and Ceded Territories



Map 5 - Fond du Lac Wetland Types





WQS Framework

- Tribal WQS adopted in 1998; approved by EPA Region 5 in 2001
- Designated uses include cultural and aesthetic
- Protective of human health in the context of a subsistence lifestyle
- “Outstanding Reservation Resource Waters”













Monitoring Program

- Tiered strategy developed (use classes, priority)
- Physical, chemical and biological parameters measured
- Determine if designated uses attained, or impairment
- Capture seasonal, annual variability



Biological Assessments

- With no permitted dischargers on the reservation, needed to focus on biological integrity
- Stream habitat assessments following RBP for low-gradient streams
- Two or three trophic levels sampled in lakes and streams
- Beach testing (coliform, *E. coli*)







Leica 2000

DAPTEX















Expand Biomonitoring

- Beginning extensive littoral zone macrophyte surveys; biological survey approach, then refine quantitative methods
- Beginning lake benthos sampling; integrate with sediment studies
- Lake fish community surveys
- Establish St. Louis River monitoring