ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION

1994 STATEWIDE WATER QUALITY ASSESSMENT

NAME OF WATERBODY: Bolio Lake

Location or Lat/Long: approx. 15 mi S. of Delta Jct off of Richardson Hwy

Is the waterbody in a national or state park, monument, refuge, preserve, or similar area?:
[ ] Yes / [X] No / Name: highly used by military for recreation

Waterbody Type:	Waterbody Size:	Segment of Waterbody Addressed:
[ ] River/Stream	____ Miles	From:
[X] Lake	160 Acres	To:
[ ] Fresh Wetland	____ Acres	Other Description: entire lake
[ ] Tidal Wetland	____ Acres	
[ ] Estuary	____ Square Miles	Size of Segment:
[ ] Coastal Shoreline	____ Miles	
[ ] Groundwater		

Period of Assessment, From: _____ **To:** Present Condition

Assessment completed by: Bill Ridder AK - Fish + Game fish biologist

Type of Documentation (attach if possible):

- [ ] Water quality data
- [ ] Documented oil spill
- [ ] NOV / Enforcement action
- [ ] Photos with documentation
- [ ] Fish / Habitat survey
- [ ] Written report
- [ ] Field notes
- [ ] Overflight
- [ ] Observation
- [X] Other (please describe below)

Assessment based on: [ ] Monitored water quality data [X] Evaluated (Best professional judgement)

Describe Source and Nature of Pollution, Documentation Provided and Other Comments:
Lake is known to be highly used by military. High potential of boating contamination (petroleum products). It is also a military test site. with probable sediment pollution due to soil disturbance from military tests. Also high probability of pollutants from latrines

RESPONDENT INFORMATION:

Name: Joanne Kuykendall **Phone:** 895 4241 **Date:** 2/24/94
Employer: USDA-SCS **Dept:** _____ **Title:** District Conservationist
Address: P.O. 527 Delta Jct AK
Education/Experience: 7 yrs with SCS as Soil Conservationist + District Conservationist

TYPES OF POLLUTANTS (Please indicate relative severity; H= High, M= Medium, S= Slight):

____ Cause unknown
____ Unknown toxicity
____ Pesticides: _____
H Priority organics: septic
____ Nonpriority organics: _____
____ Metals: _____

____ Ammonia
____ Chlorine
____ Other inorganics
H Nutrients
____ pH
H Siltation/sedimentation
____ Low dissolved oxygen
____ TDS/Salinity/Chlorides

____ Temperature modifications
____ Flow alterations
____ Other habitat alterations
____ Pathogens
____ Radiation
____ Oil and Grease
____ Taste and odor
____ Suspended solids

____ Noxious aquatic plants
____ Filling and draining
____ Total toxics
____ Turbidity
____ Exotic species
____ Debris, foam, scum, etc.
____ Insufficient stream structure
____ Arsenic

Other: _____

SOURCES OF POLLUTANTS (Please indicate relative severity; H= High, M= Medium, S= Slight):

Point Sources:
____ Industrial
____ Municipal

Urban Runoff:
____ Storm sewers
____ Combined sewers
____ Surface runoff

Agriculture:
____ Non-irrigated crop production
____ Irrigated crop production
____ Pasture land
____ Range land
____ Feedlots
____ Aquaculture
____ Animal waste/holding areas
____ Manure lagoons

Silviculture:
____ Timber harvest
____ Stream restoration projects
____ Road construction/maintenance
____ Elimination of stream thermal cover
____ Log Transfer Facilities (estuary)
____ Log Sort Yard (land)

Construction:
____ Highway/road
____ Bridge construction/repair
____ Land development

Resource Exploration/extraction:
____ Surface mining
____ Subsurface mining
____ Placer mining
____ Dredge mining
____ Petroleum activities
____ Mill tailings
____ Mine tailings
____ Gravel mining
____ Injection wells

Waste Disposal:
____ Sludge
____ Wastewater
____ Landfills Industrial land treatment
____ Onsite wastewater systems
____ Hazardous waste
H Sewage disposal
H Septic tank leak

Hydrologic Modification:
____ Stream channelization
____ Dredging
____ Dam construction
____ Flow regulation/modification
____ Bridge construction
____ Removal of riparian vegetation
H Streambank modification/destabilization
____ Draining/filling of wetlands

Marinas:
____ Small boat harbors (up to 10 slips)
____ Harbors (recreational/commercial)
____ Loading facilities (commercial)

Other:
____ Atmospheric deposition
____ Waste storage tank leaks
____ Highway maintenance/runoff
____ Petroleum/chemical spills, leaks
____ In-place containments
____ Natural sources
H Recreational activities
____ Upstream impoundment
____ Salt storage sites
____ Fire damage/restoration
____ Underground storage tanks
____ Aboveground storage tanks
____ Saltwater intrusion
____ Road salting
____ Fish, shellfish wastes
____ UNKNOWN SOURCE

END