

ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION

1989 NONPOINT SOURCE WATER QUALITY ASSESSMENT

LONG FORM

*** WATERBODY ***

Name of Waterbody: 600 Se Lake

Location or Lat/Long: 61°11'45" 149°49'05"

Waterbody Type:	Waterbody Size:	ADEC USE ONLY 304I: N L M S WQL: 0 - N 1 - PS 2 - NPS 3 - WQS 4 - Con/Ent ID#: _____
<input type="checkbox"/> River/Stream	_____ Miles	
<input checked="" type="checkbox"/> Lake	<u>18</u> Acres/Hectares	
<input type="checkbox"/> Fresh Wetland	_____ Acres/Hectares	
<input type="checkbox"/> Tidal Wetland	_____ Acres/Hectares	
<input type="checkbox"/> Estuary	_____ Square Miles	
<input type="checkbox"/> Coastal Shoreline	_____ Square Miles	
<input type="checkbox"/> Groundwater	_____ Square Miles	

Segment of Waterbody Addressed:
 From: _____
 To: _____
 Other Description: _____
 Size of Segment: _____

USGS Hydrologic Unit #: AK 190 20401-407

*** ASSESSMENT ***

Describe Source of Pollution and Documentation Provided:
Elevated Fecal Coliform From Land development Ad Surface runoff

Type of Documentation (Attached If Possible):

<input checked="" type="checkbox"/> Water quality data	<input type="checkbox"/> Written report
<input type="checkbox"/> Documented oil spill	<input type="checkbox"/> Field notes
<input type="checkbox"/> Enforcement action	<input type="checkbox"/> Overflight
<input type="checkbox"/> Photos with documentation	<input type="checkbox"/> Observation
<input type="checkbox"/> Photos without documentation	<input type="checkbox"/> Other

Assessment type:
 Monitored
 Evaluated

Violation of Water Quality Standards:

<input type="checkbox"/> Past Violation Documented	Waterbody Status:
<input type="checkbox"/> Current Violation Documented	<input type="checkbox"/> Impaired - Past
<input checked="" type="checkbox"/> Current Violation Suspected	<input type="checkbox"/> Impaired - Current
<input type="checkbox"/> Future Violation Projected	<input checked="" type="checkbox"/> Suspected
	<input type="checkbox"/> Unimpaired

Comments: See Municipality of Anchorage Water Quality Monitoring report 1989

Author of This Assessment: C. Kent **Affiliation:** ADIEC **Date:** 89 09
 YY/MM

*** USE STATUS ***

Meets Clean Water Act Goals:

- Fishable
- Not Fishable
- Fishable Not Attainable
- Swimmable
- Not Swimmable
- Swimmable Not Attainable

Impaired Uses:

FRESHWATER

- Drinking
- Agriculture
- Aquaculture
- Industry
- Recreation, Contact
- Recreation, Secondary
- Fish, Shellfish, Wildlife

MARINE

- Aquaculture
- Seafood Processing
- Industry
- Recreation, Contact
- Recreation, Secondary
- Fish, Shellfish, Wildlife
- Harvest of Fish, Shellfish

Support of Designated Uses:

- One or More Uses Not Supported (Impaired)
- One or More Uses Partially Supported (Partially Impaired)
- One or More Uses Suspected to Be Affected (Suspected)
- One or More Uses Projected to Become Affected (Projected)
- All Uses Fully Supported, sources present (Unimpaired)
- All Uses Fully Supported, no sources present (Unimpaired)

Trophic Status:

- Oligatrophic
- Mesatrophic
- Eutrophic
- Hypereutrophic
- Dystrophic
- Unknown

Trophic Trend

- Improving
- Stable
- Deteriorating

*** TOXICS ***

Monitored for Toxics: Yes No

Type of Toxics Monitoring:

- 1 Organics in water column
- 2 Organics in sediments
- 3 Organics in fish tissue
- 4 Organics in discharges
- 5 Pesticides in water column
- 6 Pesticides in sediments
- 7 Pesticides in fish tissue
- 8 Pesticides in discharges
- 9 Metals in water column
- 10 Metals in sediments
- 11 Metals in fish tissue
- 12 Metals in discharges
- 13 Other inorganics in water column
- 99 Other inorganics in sediments
- 99 Other inorganics in fish tissue
- 14 Other inorganics in discharges
- 15 Toxicity testing of water column
- 16 Toxicity testing of sediments
- 17 Toxicity testing of discharges

Fish and Shellfish Contamination:

- 0 None detected
- 1 Contaminated fish
- 2 Fishing advisory
- 3 Fishing ban
- 4 Fish abnormalities
- 5 Shellfish restrictions due to pathogens
- 6 Fish kill

Pollutants: (H = High, M = Medium, S = Slight)

- | | | |
|--|--|--|
| <input type="checkbox"/> 0 Cause Unknown | | |
| <input type="checkbox"/> 1 Unknown toxicity | | |
| <input type="checkbox"/> 2 Pesticides | Type _____ | |
| <input type="checkbox"/> 3 Priority organics | Type _____ | |
| <input type="checkbox"/> 4 Nonpriority organics | Type _____ | |
| <input type="checkbox"/> 5 Metals | Type _____ | |
| <input type="checkbox"/> 6 Ammonia | | <input type="checkbox"/> 12 Organic enrichment |
| <input type="checkbox"/> 7 Chlorine | | <input type="checkbox"/> 13 Salinity/TDS/Chlorides |
| <input type="checkbox"/> 8 Other inorganics | | <input type="checkbox"/> 14 Thermal modifications |
| <input type="checkbox"/> 9 Nutrients | | <input type="checkbox"/> 15 Flow alteration |
| <input type="checkbox"/> 10 pH | | <input type="checkbox"/> 16 Habitat alteration |
| <input checked="" type="checkbox"/> 11 Siltation | <input checked="" type="checkbox"/> 17 Pathogens | <input type="checkbox"/> 18 Radiation |
| | | <input type="checkbox"/> 19 Oil and Grease |
| | | <input type="checkbox"/> 20 Taste and Odor |
| | | <input type="checkbox"/> 21 Suspended solids |
| | | <input type="checkbox"/> 22 Noxious aquatic plants |
| | | <input type="checkbox"/> 23 Filling and draining |

Sources of Pollutants: (H = High, M = Medium, S = Slight)

Point Sources

- 1 Industrial
- 2 Municipal
- 3 Municipal pretreatment
- 4 Combined sewers
- 5 Storm sewers
- 6 Other dischargers

Resource extraction/exploration

- 51 Surface mining
- 52 Subsurface mining
- 53 Placer mining
- 54 Dredge mining
- 55 Petroleum activities
- 56 Mill tailings
- 57 Mine tailings

Nonpoint Sources

- 9 Unspecified

Land Disposal (Permitted Activities)

- 61 Sludge
- 62 Wastewater
- 63 Landfills
- 64 Industrial land treatment
- 65 Onsite wastewater systems
- 66 Hazardous waste
- 67 Septage disposal

Agriculture

- 11 Non-irrigated crop production
- 12 Irrigated crop production
- 13 Specialty crop production
- 14 Pasture land
- 15 Range land
- 16 Feedlots
- 17 Aquaculture
- 18 Animal holding areas
- 19 Manure lagoons

Hydrologic Modification

- 71 Channelization
- 72 Dredging
- 73 Dam construction
- 74 Flow regulation/modification
- 75 Bridge construction
- 76 Removal of riparian vegetation
- 77 Streambank modification
- 78 Draining/filling of wetlands

Silviculture

- 21 Harvest, restoration
- 22 Forest management
- 23 Road construction/maintenance

Construction

- 31 Highway/road/bridge
- 32 Land development

Other

- 81 Atmospheric deposition
- 82 Waste storage/storage tank leaks
- 83 Highway maintenance and runoff
- 84 Spills
- 85 In-place contaminants
- 86 Natural
- 87 Recreational activities
- 88 Upstream impoundment
- 89 Salt storage sites
- 99 Septic tank seepage

Urban Runoff

- 41 Storm sewers
- 42 Combined sewers
- 43 Surface runoff

Source Unknown

- 90 Source Unknown

DESCRIBE POLLUTANTS AND POLLUTANT SOURCES. THE BASIS FOR THE DETERMINATION THAT A WATERBODY IS IMPAIRED MUST BE EXPLAINED IN THIS SECTION. DESCRIBE THE NATURE OF THE VIOLATION OF WATER QUALITY STANDARDS, INCLUDING DATA OR OTHER DOCUMENTATION IN RELATION TO STANDARDS. ALSO DESCRIBE WHETHER THE VIOLATION IS CONSIDERED PAST OR CURRENT, AND OTHER RELEVANT INFORMATION.

Fecal Coliform, Fecal Strep., Sources come from failing septic tanks, surface runoff. Monitoring done by MOA / DHHS

[Empty lined area for additional comments]

Point Sources:

NPDES Permit Number: _____
NPDES Permit Name: _____
Causes Nonattainment: Yes No
Pollutant: _____

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NPDES Permit Name: _____
Causes Nonattainment: Yes No
Pollutant: _____

Nonpoint Sources:

Nonpoint Source Name: _____
Nonpoint Source Type: _____
Nonpoint Source Description: _____

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