

ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION

1989 NONPOINT SOURCE WATER QUALITY ASSESSMENT

LONG FORM

*** WATERBODY ***

Page 1 of 4

Name of Waterbody: Lake Creek

Location or Lat/Long: 58 23 30 / 134 30 00

Waterbody Type:

- River/Stream
- Lake
- Fresh Wetland
- Tidal Wetland
- Estuary
- Coastal Shoreline
- Groundwater

Waterbody Size:

- _____ Miles
- _____ Acres/Hectares
- _____ Acres/Hectares
- _____ Acres/Hectares
- _____ Square Miles
- _____ Square Miles

ADEC USE ONLY

304: N L M S
 WQL: 0 - N
 1 - PS
 2 - NPS
 3 - WQS
 4 - Con/Ent
 ID#: _____

Segment of Waterbody Addressed:

From: _____

To: Mounts At Auk Lake N/E End

Other Description: _____

Size of Segment: _____

USGS Hydrologic Unit #: AK 190 - 10103 - 021

*** ASSESSMENT ***

Describe Source of Pollution and Documentation Provided:

Family septic systems near creek and creek may contribute to pollution. Food debris, etc.

Type of Documentation (Attached If Possible):

- Water quality data
- Documented oil spill
- Enforcement action
- Photos with documentation
- Photos without documentation
- Written report
- Field notes
- Overflight
- Observation
- Other

Assessment type:

- Monitored
- Evaluated

Violation of Water Quality Standards:

- Past Violation Documented
- Current Violation Documented
- Current Violation Suspected
- Future Violation Projected

Waterbody Status:

- Impaired - Past
- Impaired - Current
- Suspected
- Unimpaired

Comments: ADEC may have more information

Author of This Assessment: CHRIS KENT

Affiliation: ADEC

Date: 89 09

YY/MM

Meets Clean Water Act Goals:	
<input checked="" type="checkbox"/> Fishable	<input checked="" type="checkbox"/> Swimmable
<input type="checkbox"/> Not Fishable	<input type="checkbox"/> Not Swimmable
<input type="checkbox"/> Fishable Not Attainable	<input type="checkbox"/> Swimmable Not Attainable
Impaired Uses:	
<u>FRESHWATER</u>	<u>MARINE</u>
<input checked="" type="checkbox"/> Drinking	<input type="checkbox"/> Aquaculture
<input type="checkbox"/> Agriculture	<input type="checkbox"/> Seafood Processing
<input type="checkbox"/> Aquaculture	<input type="checkbox"/> Industry
<input type="checkbox"/> Industry	<input type="checkbox"/> Recreation, Contact
<input checked="" type="checkbox"/> Recreation, Contact	<input type="checkbox"/> Recreation, Secondary
<input checked="" type="checkbox"/> Recreation, Secondary	<input type="checkbox"/> Fish, Shellfish, Wildlife
<input checked="" type="checkbox"/> Fish, Shellfish, Wildlife	<input type="checkbox"/> Harvest of Fish, Shellfish
Support of Designated Uses:	
<input type="checkbox"/> One or More Uses Not Supported (Impaired)	
<input type="checkbox"/> One or More Uses Partially Supported (Partially Impaired)	
<input checked="" type="checkbox"/> One or More Uses Suspected to Be Affected (Suspected)	
<input type="checkbox"/> One or More Uses Projected to Become Affected (Projected)	
<input type="checkbox"/> All Uses Fully Supported, sources present (Unimpaired)	
<input type="checkbox"/> All Uses Fully Supported, no sources present (Unimpaired)	
Trophic Status:	Trophic Trend
<input type="checkbox"/> Oligatrophic	<input type="checkbox"/> Improving
<input type="checkbox"/> Mesatrophic	<input type="checkbox"/> Stable
<input type="checkbox"/> Eutrophic	<input type="checkbox"/> Deteriorating
<input type="checkbox"/> Hypereutrophic	
<input type="checkbox"/> Dystrophic	
<input checked="" type="checkbox"/> Unknown	

*** TOXICS ***

Monitored for Toxics: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Type of Toxics Monitoring:	
<input type="checkbox"/> 1 Organics in water column	<input type="checkbox"/> 10 Metals in sediments
<input type="checkbox"/> 2 Organics in sediments	<input type="checkbox"/> 11 Metals in fish tissue
<input type="checkbox"/> 3 Organics in fish tissue	<input type="checkbox"/> 12 Metals in discharges
<input type="checkbox"/> 4 Organics in discharges	<input type="checkbox"/> 13 Other inorganics in water column
<input type="checkbox"/> 5 Pesticides in water column	<input type="checkbox"/> 99 Other inorganics in sediments
<input type="checkbox"/> 6 Pesticides in sediments	<input type="checkbox"/> 99 Other inorganics in fish tissue
<input type="checkbox"/> 7 Pesticides in fish tissue	<input type="checkbox"/> 14 Other inorganics in discharges
<input type="checkbox"/> 8 Pesticides in discharges	<input type="checkbox"/> 15 Toxicity testing of water column
<input type="checkbox"/> 9 Metals in water column	<input type="checkbox"/> 16 Toxicity testing of sediments
	<input type="checkbox"/> 17 Toxicity testing of discharges
Fish and Shellfish Contamination:	
<input type="checkbox"/> 0 None detected	
<input type="checkbox"/> 1 Contaminated fish	
<input type="checkbox"/> 2 Fishing advisory	
<input type="checkbox"/> 3 Fishing ban	
<input type="checkbox"/> 4 Fish abnormalities	
<input type="checkbox"/> 5 Shellfish restrictions due to pathogens	
<input type="checkbox"/> 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"/> 18 Radiation |
| <input type="checkbox"/> 7 Chlorine | <input type="checkbox"/> 13 Salinity/TDS/Chlorides | <input type="checkbox"/> 19 Oil and Grease |
| <input type="checkbox"/> 8 Other inorganics | <input type="checkbox"/> 14 Thermal modifications | <input type="checkbox"/> 20 Taste and Odor |
| <input checked="" type="checkbox"/> 9 Nutrients | <input type="checkbox"/> 15 Flow alteration | <input type="checkbox"/> 21 Suspended solids |
| <input checked="" type="checkbox"/> 10 pH | <input checked="" type="checkbox"/> 16 Habitat alteration | <input type="checkbox"/> 22 Noxious aquatic plants |
| <input checked="" type="checkbox"/> 11 Siltation | <input checked="" type="checkbox"/> 17 Pathogens | <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

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SHORT DATA FORM

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N/E end

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Segment of Waterbody Addressed:

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

Describe Source of Pollution and Documentation Provided:

Failing Septic Systems, Land Development.
(ADFG) or ADMFS. MAY have info on Lake Creek water quality

Type of Documentation (attached if possible):

- | | |
|---|---|
| <input type="checkbox"/> Water quality data | <input type="checkbox"/> Written report |
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Comments: This form is a temporary replacement for missing original data form.

This stream is classed as Suspected (Needs Further Investigation) from listing as Impaired, based on BPS, in 305(b) 1988 and draft 319 assessment report (Jan 89).

Author of This Assessment: D Sturdevant Affiliation: ADEC Date: 8-15-89

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