

ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION

1988 STATEWIDE WATER QUALITY ASSESSMENT

*** WATERBODY ***

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| | |
|--|--|
| Name of Waterbody: <u>Goose Lake</u> | ID#: <u>AK 190 20401 407</u> |
| Type/Size: [] River/Stream [X] Lake [] Fresh Wetland [] Tidal Wetland [] Estuary [] Coastal Shoreline [] Groundwater | GS#: _____ 3041: N <input checked="" type="radio"/> L M S HQW: Y N WQL: 0 - N 1 - PS 2 - NPS 3 - WQS 4 - Con/Enf [ADEC Use Only] |
| USGS Hydrological Unit #: 190- <u>20401</u> | UR |
| Location or Lat/Long: <u>Anchorage, AK</u> | |
| Is the waterbody in a national or state park, monument, refuge, preserve, or similar area?: [] Yes, [X] No, Name _____ | |

*** ASSESSMENT ***

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|--|
| Assessment Date: Yr <u>88</u> , Mo <u>04</u> / By <u>James Cross, MOA/DHHS</u> |
| Sampling: Begin Yr <u>85</u> , Mo <u>06</u> / End Yr _____ , Mo _____ / By _____ |
| Reference for Data: <u>MOA/DHHS</u> |
| Assessment Type: |
| [] 1 Qualitative, land use sources |
| [] 1 Qualitative, complaints/2nd hand |
| [] 2 Predictive models, unverified |
| [] 3 Calibrated models |
| [X] 4 Fixed station data, Bio or Chem |
| [] 5 Effluent toxicity testing |
| [] 6 Limited site visit |
| [] 7 Intensive field Assessment |
| Assessment Category: |
| [X] Monitored (Data) |
| [] Evaluated (Judgement) |
| Next Planned Assessment: Yr _____ , Mo _____ / By _____ |
| Comments: _____ |
| _____ |
| _____ |
| _____ |

Size-A Size-M Support Partial Not-Sup Cause-% Size-10 Size-No Why?

Meets Clean Water Act Goals:

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

Impaired or Threatened Uses:

IMP THR - FRESHWATER

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

IMP THR - MARINE

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

Support of Designated Uses:

- All Uses Fully Supported, no sources present
- All Uses Fully Supported, sources present
- One or More Uses Threatened
- One or More Uses Partially Supported
- One or More Uses Not Supported

Trophic Status:

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

Trophic Trend:

- Improving
- Stable
- Deteriorating

*** TOXICS ***

Monitored for Toxics: Yes, No

Types of Toxics Monitoring:

- 1 Organics in water column 10 Metals in sediments
- 2 Organics in sediments 11 Metals in fish tissue
- 3 Organics in fish tissue 12 Metals in discharges
- 4 Organics in discharges 13 Other inorganics in H2O col
- 5 Pesticides in water column 99 Other inorganics in sedimnt
- 6 Pesticides in sediments 99 Other inorganics in fish ts
- 7 Pesticides in fish tissue 14 Other inorganics in dscgs
- 8 Pesticides in discharges 15 Toxicity testing of water
- 9 Metals in water column 16 Toxicity testing of sediment
- 17 Toxicity testing of dscgs

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

- __1 Unknown toxicity
- __2 Pesticides Type _____
- __3 Priority organics Type _____
- __4 Nonpriority organ Type _____
- __5 Metals Type _____
- __6 Ammonia
- __7 Chlorine
- __8 Other inorganics
- __9 Nutrients
- __10 pH
- __11 Siltation
- __12 Organic enrichment
- __13 Salinity/TDS/Chlor
- __14 Thermal modificatn
- __15 Flow alteration
- __16 Habitat alteration
- S_17 Pathogens
- __18 Radiation
- __19 Oil and Grease
- __20 Taste and Odor
- __21 Suspended solids
- __22 Noxious aqua plants
- __23 Filling and drain

Pollutant Categories: (H = High, M = Medium, S = Slight)

Point Sources

- __1 Industrial
- __2 Minicipal
- __3 Municipal pretreatment
- __4 Combined sewers
- S_5 Storm sewers

Nonpoint Sources

- __9 Unspecified

Agriculture

- __11 Non-irrig crop production
- __12 Irrigated crop production
- __13 Specialty crop production
- __14 Pasture land
- __15 Range Land
- __16 Feedlots
- __17 Aquaculture
- __18 Animal holding areas

Silviculture

- __21 Harvest, restoration
- __22 Forest management
- __23 Road construction/maint

Construction

- __31 Highway/road/bridge
- __32 Land development

Urban Runoff

- S_41 Storm sewers
- __42 Combined sewers
- S_43 Surface runoff

Source Unknown

- __90 Source unknown

Resource extraction/exploration

- __51 Surface mining
- __52 Subsurface mining
- __53 Placer mining
- __54 Dredge mining
- __55 Petroleum activities
- __56 Mill tailings
- __57 Mine tailings

Land Disposal (Permitted Activities)

- __61 Sludge
- __62 Wastewater
- __63 Landfills
- __64 Industrial land treatment
- __65 Onsite wastewater systems
- __66 Hazardous waste

Hydromodification

- __71 Channelization
- __72 Dredging
- __73 Dam Construction
- __74 Flow regulation/modification
- __75 Bridge Construction
- __76 Removal of riparian vegetation
- __77 Streambank modification

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 Septic tank seepage

| | |
|-------------------------------------|---|
| Fish and Shellfish Contamination: | |
| <input checked="" 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 |

*** POINT AND NONPOINT SOURCES ***

| | |
|---|--|
| 1 | NPDES Permit Number: _____ |
| | NPDES Permit Name: _____ |
| | Causes Nonattainment: <input type="checkbox"/> Yes, <input type="checkbox"/> No, Pollutant _____ |
| 2 | NPDES Permit Number: _____ |
| | NPDES Permit Name: _____ |
| | Causes Nonattainment: <input type="checkbox"/> Yes, <input type="checkbox"/> No, Pollutant _____ |
| 3 | NPDES Permit Number: _____ |
| | NPDES Permit Name: _____ |
| | Causes Nonattainment: <input type="checkbox"/> Yes, <input type="checkbox"/> No, Pollutant _____ |
| 1 | Nonpoint Source Name: _____ |
| | Nonpoint Source Type: _____ |
| | Nonpoint Source Description: _____ |
| 2 | Nonpoint Source Name: _____ |
| | Nonpoint Source Type: _____ |
| | Nonpoint Source Description: _____ |
| 3 | Nonpoint Source Name: _____ |
| | Nonpoint Source Type: _____ |
| | Nonpoint Source Description: _____ |

