0.045 sq mi

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ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION

1988 STATEWIDE WATER QUALITY ASSESSMENT

*** **WATERBODY** ***

Name of Waterbody: _Delong Lake_____ ID#: AK 190 20401 405

GS#: _____

Type/Size: [ ] River/Stream ____Miles
[X] Lake _18_Acres
[ ] Fresh Wetland ____Acres/Hectares
[ ] Tidal Wetland ____Acres/Hectares
[ ] Estuary ____Square Miles
[ ] Coastal Shoreline ____Miles
[ ] Groundwater

3041: N (L) M S
HQW: Y N
WQL: 0 - N
1 - PS
(2 - NPS)
(3TU) 3 - WQS
4 - Con/Enf
[ADEC Use Only]
UR

USGS Hydrological Unit #: 190-_20401_____

Location or Lat/Long: _Anchorage, AK 61.162/149.958

Is the waterbody in a national or state park, monument, refuge, preserve, or similar area?: [ ] Yes, [X] No, Name _____

*** **ASSESSMENT** ***

Assessment Date: Yr _88 , Mo _04 / By _James Cross,MOA/DHHS_____
Sampling: Begin Yr ___ , Mo ___ / End Yr ___ , Mo ___ / By _____
Reference for Data: _MOA/DHHS_____

Assessment Type:
[ ] 1 Qualitative, land use sources
[ ] 1 Qualitative, complaints/2nd hand
[ ] 2 Predictive models, unverified
[ ] 3 Calibrated models
[ ] 4 Fixed station data, Bio or Chem
[ ] 5 Effluent toxicity testing
[X] 6 Limited site visit
[ ] 7 Intensive field Assessment

Assessment Category:
[ ] Monitored (Data)
[X] 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:

[X] Fishable	[X] Swimmable
[ ] Not Fishable	[ ] Not Swimmable
[ ] Fishable Not Attainable	[ ] Swimmable Not Attainable

Impaired or Threatened Uses:

IMP THR - FRESHWATER	IMP THR - MARINE
[X] [ ] Drinking	[ ] [ ] Aquaculture
[ ] [ ] Agriculture	[ ] [ ] Seafood Processing
[ ] [ ] Aquaculture	[ ] [ ] Industry
[ ] [ ] Industry	[ ] [ ] Recreation, Contact
[ ] [ ] Recreation, Contact	[ ] [ ] Recreation, Secondary
[ ] [ ] Recreation, Secondary	[ ] [ ] Fish, Shellfish, Wildlife
[ ] [ ] 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
- [X] One or More Uses Partially Supported
- [ ] One or More Uses Not Supported

Trophic Status:	Trophic Trend:
[ ] Oligatrophic	[ ] Improving
[X] Mesatrophic	[X] Stable
[ ] Eutrophic	[ ] Deteriorating
[ ] Hypereutrophic	
[ ] Dystrophic	
[ ] Unknown	

*** **TOXICS** ***

Monitored for Toxics: [ ] Yes , [X] 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	__12 Organic enrichment	__18 Radiation
__7 Chlorine	__13 Salinity/TDS/Chlor	__19 Oil and Grease
__8 Other inorganics	__14 Thermal modificatn	__20 Taste and Odor
__9 Nutrients	__15 Flow alteration	S_21 Suspended solids
__10 pH	__16 Habitat alteration	__22 Noxious aqua plants
S_11 Siltation	S_17 Pathogens	__23 Filling and drain

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

Point Sources
__1 Industrial
__2 Minicipal
__3 Municipal pretreatment
__4 Combined sewers
__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
__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:

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

*** POINT AND NONPOINT SOURCES ***

1 NPDES Permit Number: _____
NPDES Permit Name: _____
Causes Nonattainment: [ ] Yes, [ ] No, Pollutant _____

2 NPDES Permit Number: _____
NPDES Permit Name: _____
Causes Nonattainment: [ ] Yes, [ ] No, Pollutant _____

3 NPDES Permit Number: _____
NPDES Permit Name: _____
Causes Nonattainment: [ ] Yes, [ ] 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: _____
_____

[Including extent of impairment of uses; significance of impacts on public health and the environment; water quality trend; efforts to control pollutants; current priority for developing pollutant controls; and adequacy of data]