



United States Department of the Interior

FISH AND WILDLIFE SERVICE
1011 E. Tudor Rd.
Anchorage, Alaska 99503



IN REPLY REFER TO:

DEC

APR 23 1992

Earl Hubbard
Water Quality Management Section
Department of Environmental Conservation
410 Willoughby Avenue, Suite 105
Juneau, Alaska 99801-1795

Dear Mr. Hubbard:

In response to your invitation to participate in the Clean Water Act-305(b) process, the U.S. Fish and Wildlife Service (Service) is enclosing 1992 Water Quality Assessment Forms for Bear Creek, which is located in the Becharof National Wildlife Refuge. It is our understanding that the 305(b) report will describe the water quality status of the State of Alaska's marine waters, freshwater bodies and groundwater aquifers. More importantly, the report will list waters the State of Alaska determines to be "impaired," or violating State Water Quality Standards, from various pollutants and sources.

We believe that by participating in the 305(b) process, the Service will be able to more effectively manage and protect our trust resources and their habitats. Please direct any questions about our submission to Everett Robinson-Wilson (Regional Environmental Contaminants Coordinator) at 786-3493.

Sincerely,

Walter O. Stieglitz

Regional Director

Enclosure

cc: Ecological Services, Anchorage, Anchorage, Alaska

ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION
1992 STATEWIDE WATER QUALITY ASSESSMENT

NAME OF WATERBODY: Bear Creek

Location or Lat/Long: (Map included) Drains the SE end of
Becharof Lake

Is the waterbody in a national or state park, monument, refuge, preserve, or similar area?:

Yes / No / Name: Becharof Nat'l. Wildlife Refuge

Waterbody Type:

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

Waterbody Size:

~20 Miles
____ Acres/Hectares
____ Acres/Hectares
____ Acres/Hectares
____ Square Miles
____ Miles

Segment of Waterbody Addressed:

From: _____

To: _____

Other Description: only adjacent to
Humble's Bear Creek Unit - see rept.

Size of Segment: _____

Period of Assessment, From: grab sample, 6/88 To: _____

Type of Documentation (attach if possible):

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

Describe Source and Nature of Pollution, Documentation Provided and Other Comments:

Suspect leaching from storage/disposal site
used in drilling the oil well.

RESPONDENT INFORMATION:

Name: Everett Robinson-Wilson Phone: 786-3493 Date: _____
Employer: U.S. Fish & Wildlife Dept: _____ Title: Regional Contam. Coordin.
Address: 1011 E Tudor Rd. ; Anchorage, AK
Education/Experience: _____

TYPE AND SEVERITY OF POLLUTANTS AND SOURCES: (Severity; H= High, M= Medium, S= Slight)

POLLUTANTS:

- 0 Cause unknown
- 1 Unknown toxicity
- 2 Pesticides: _____
- 3 Priority organics: see table 3 & Appendix B in rept.
- 4 Nonpriority organics: _____
- 5 Metals: _____
- 6 Ammonia
- 7 Chlorine
- 8 Other inorganics
- 9 Nutrients
- 10 pH
- 11 Siltation/sedimentation
- 12 Low dissolved oxygen
- 13 TDS/Salinity/Chlorides
- 30 Other: _____
- 14 Temperature Modifications
- 15 Flow alterations
- 16 Other habitat alterations
- 17 Pathogens
- 18 Radiation
- 19 Oil and Grease
- 20 Taste and odor
- 21 Suspended solids
- 22 Noxious aquatic plants
- 23 Filling and draining
- 24 Total toxics
- 25 Turbidity
- 26 Exotic species
- 27 Debris, foam, scum, etc.
- 28 Insufficient stream structure
- 29 Arsenic

SOURCES OF POLLUTANTS (Severity; H= High, M= Medium, S= Slight):

Point Sources:

- 1 Industrial
- 2 Municipal
- 3 Storm sewers
- 4 Combined sewers

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 waste/holding areas
- 19 Manure lagoons

Silviculture:

- 21 Timber harvest
- 21 Stream restoration projects
- 22 Forest management
- 23 Road construction/maintenance
- 24 Elimination of stream thermal cover

Construction:

- 31 Highway/road
- 31 Bridge construction/repair
- 32 Land development

Resource Exploration/extraction:

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

Urban Runoff:

- 40 Surface runoff
- 40 Storm sewers

Waste Disposal:

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

Hydrologic Modification:

- 71 Stream 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

Other:

- 81 Atmospheric deposition
- 82 Waste storage tank leaks
- 83 Highway maintenance/runoff
- 84 *leachate* Petroleum/chemical spills, leaks
- 85 In-place containments
- 86 Natural sources
- 87 Recreational activities
- 88 Upstream impoundment
- 89 Salt storage sites
- 91 Fire damage/restoration
- 92 Underground storage tanks
- 93 Aboveground storage tanks
- 94 Saltwater intrusion
- 95 Road salting
- 96 Fish, shellfish wastes
- 90 UNKNOWN SOURCE