ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION
1992 STATEWIDE WATER QUALITY ASSESSMENT

NAME OF WATERBODY: PORT VALDEZ

Location or Lat/Long: 61° 05' 26" N 146° 23' 08" W

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

Waterbody Type:
- [ ] River/Stream
- [ ] Lake
- [ ] Fresh Wetland
- [ ] Tidal Wetland
- [X] Estuary
- [ ] Coastal Shoreline
- [ ] Groundwater

Waterbody Size:
- ____ Miles
- ____ Acres/Hectares
- ____ Acres/Hectares
- ____ Acres/Hectares
- 27 Square Miles
- ____ Miles

Segment of Waterbody Addressed:
From: 1000 ft NE of Berth 3
To: E end of Berth 5; 3500 ft from shore
Other Description: Perimeter of BWTP Mixing zone
Size of Segment: Approx. two sq. miles

Period of Assessment, From: Establishment of new mixing zone **To:** present (March 1992)

Type of Documentation (attach if possible):
- [X] Water quality data
- [ ] Documented oil spill
- [ ] NOV / Enforcement action
- [ ] Photos with documentation
- [ ] Photos without documentation
- [X] Written report
- [ ] Field notes
- [ ] Overflight
- [ ] Observation
- [ ] Other

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

RESPONDENT INFORMATION: RCAC Terminal Operations & Environmental Monitoring Committee

Name: Marge Fowler Phone: 835-5957 Date: 3/25/92
Employer: RCAC Dept: TOEM Title: Project Assistant
Address: P.O. Box 3470
Education/Experience:

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

POLLUTANTS:

__ 0 Cause unknown
__ 1 Unknown toxicity
__ 2 Pesticides:
X 3 Priority organics: Benzene
X 4 Nonpriority organics: petroleum hydrocarbons
X 5 Metals: zinc
__ 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
X 19 Oil and Grease
__ 20 Taste and odor
X 21 Suspended solids
__ 22 Noxious aquatic plants
__ 23 Filling and draining
__ 24 Total toxics
X 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:
X 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
__ 59 Injection wells

Urban Runoff:
__ 40 Surface runoff
__ 40 Storm sewers

Waste Disposal:
__ 61 Sludge
__ 62 Wastewater
__ 63 Landfills
__ 64 Industrial land treatment
X 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:
X 81 Atmospheric deposition
__ 82 Waste storage tank leaks
__ 83 Highway maintenance/runoff
X 84 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