

ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION
1994 STATEWIDE WATER QUALITY ASSESSMENT

NAME OF WATERBODY: CROSS SOUND; INNER HARBOR AND OUTER HARBOR
IN ELFIN COVE

Location or Lat/Long: Elfin Cove

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

Yes / No / Name: TONGASS NATIONAL FOREST

Waterbody Type:

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

Waterbody Size:

- _____ Miles
- _____ Acres
- _____ Acres
- _____ Acres
- 1 Square Miles
- _____ Miles

Segment of Waterbody Addressed:

From: HEAD OF INNER HARBOR
To: SEAWARD SIDE OF OUTER HARBOR
Other Description: _____

Size of Segment: 1 sq. mile

Period of Assessment, From: 1978 To: 1994

Assessment completed by: SELF

Type of Documentation (attach if possible):

- | | |
|--|--|
| <input type="checkbox"/> Water quality data | <input type="checkbox"/> Written report |
| <input type="checkbox"/> Documented oil spill | <input type="checkbox"/> Field notes |
| <input type="checkbox"/> NOV / Enforcement action | <input type="checkbox"/> Overflight |
| <input type="checkbox"/> Photos with documentation | <input type="checkbox"/> Observation |
| <input type="checkbox"/> Fish / Habitat survey | <input type="checkbox"/> Other (please describe below) |

Assessment based on: Monitored water quality data Evaluated (Best professional judgement)

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

April thru October yearly. Untreated sewage disposal in to
the salt water by six different sport lodges. Counting staff at the
lodges and rotating weekly guest schedules, Elfin Cove's population
is also disrupted. Hepatitis and other human waste hazards may be
present in the inner tidal zone where children and dogs play.

RESPONDENT INFORMATION:

Name: Jim Wild Phone: _____ Date: _____
Employer: _____ Dept: _____ Title: _____
Address: Box 109 Elfin Cove, AK 99825
Education/Experience: year-round resident

TYPES OF POLLUTANTS (Please indicate relative severity; H= High, M= Medium, S= Slight):

- | | | |
|--|--|--|
| <input type="checkbox"/> Cause unknown | <input type="checkbox"/> Temperature modifications | <input type="checkbox"/> Noxious aquatic plants |
| <input type="checkbox"/> Unknown toxicity | <input type="checkbox"/> Flow alterations | <input type="checkbox"/> Filling and draining |
| <input type="checkbox"/> Pesticides: _____ | <input type="checkbox"/> Other habitat alterations | <input type="checkbox"/> Total toxics |
| <input type="checkbox"/> Priority organics: _____ | <input type="checkbox"/> Pathogens | <input type="checkbox"/> Turbidity |
| <input type="checkbox"/> Nonpriority organics: _____ | <input type="checkbox"/> Radiation | <input type="checkbox"/> Exotic species |
| <input type="checkbox"/> Metals: _____ | <input type="checkbox"/> Oil and Grease | <input checked="" type="checkbox"/> Debris, foam, scum, etc. |
| <input type="checkbox"/> Ammonia | <input checked="" type="checkbox"/> Taste and odor | <input type="checkbox"/> Insufficient stream structure |
| <input type="checkbox"/> Chlorine | <input checked="" type="checkbox"/> Suspended solids | <input type="checkbox"/> Arsenic |
| <input type="checkbox"/> Other inorganics | | |
| <input type="checkbox"/> Nutrients | | |
| <input type="checkbox"/> pH | | |
| <input type="checkbox"/> Siltation/sedimentation | | |
| <input type="checkbox"/> Low dissolved oxygen | | |
| <input type="checkbox"/> TDS/Salinity/Chlorides | | |
- Other: _____

SOURCES OF POLLUTANTS (Please indicate relative severity; H= High, M= Medium, S= Slight):

- | | |
|--|--|
| <u>Point Sources:</u> | <u>Waste Disposal:</u> |
| <input type="checkbox"/> Industrial | <input type="checkbox"/> Sludge |
| <input type="checkbox"/> Municipal | <input checked="" type="checkbox"/> Wastewater |
| | <input type="checkbox"/> Landfills Industrial land treatment |
| <u>Urban Runoff:</u> | <input type="checkbox"/> Onsite wastewater systems |
| <input type="checkbox"/> Storm sewers | <input type="checkbox"/> Hazardous waste |
| <input type="checkbox"/> Combined sewers | <input checked="" type="checkbox"/> Sewage disposal |
| <input type="checkbox"/> Surface runoff | <input type="checkbox"/> Septic tank leak |
| <u>Agriculture:</u> | <u>Hydrologic Modification:</u> |
| <input type="checkbox"/> Non-irrigated crop production | <input type="checkbox"/> Stream channelization |
| <input type="checkbox"/> Irrigated crop production | <input type="checkbox"/> Dredging |
| <input type="checkbox"/> Pasture land | <input type="checkbox"/> Dam construction |
| <input type="checkbox"/> Range land | <input type="checkbox"/> Flow regulation/modification |
| <input type="checkbox"/> Feedlots | <input type="checkbox"/> Bridge construction |
| <input type="checkbox"/> Aquaculture | <input type="checkbox"/> Removal of riparian vegetation |
| <input type="checkbox"/> Animal waste/holding areas | <input type="checkbox"/> Streambank modification/destabilization |
| <input type="checkbox"/> Manure lagoons | <input type="checkbox"/> Draining/filling of wetlands |
| <u>Silviculture:</u> | <u>Marinas:</u> |
| <input type="checkbox"/> Timber harvest | <input type="checkbox"/> Small boat harbors (up to 10 slips) |
| <input type="checkbox"/> Stream restoration projects | <input type="checkbox"/> Harbors (recreational/commercial) |
| <input type="checkbox"/> Road construction/maintenance | <input type="checkbox"/> Loading facilities (commercial) |
| <input type="checkbox"/> Elimination of stream thermal cover | |
| <input type="checkbox"/> Log Transfer Facilities (estuary) | <u>Other:</u> |
| <input type="checkbox"/> Log Sort Yard (land) | <input type="checkbox"/> Atmospheric deposition |
| <u>Construction:</u> | <input type="checkbox"/> Waste storage tank leaks |
| <input type="checkbox"/> Highway/road | <input type="checkbox"/> Highway maintenance/runoff |
| <input type="checkbox"/> Bridge construction/repair | <input type="checkbox"/> Petroleum/chemical spills, leaks |
| <input type="checkbox"/> Land development | <input type="checkbox"/> In-place containments |
| <u>Resource Exploration/extraction:</u> | <input type="checkbox"/> Natural sources |
| <input type="checkbox"/> Surface mining | <input type="checkbox"/> Recreational activities |
| <input type="checkbox"/> Subsurface mining | <input type="checkbox"/> Upstream impoundment |
| <input type="checkbox"/> Placer mining | <input type="checkbox"/> Salt storage sites |
| <input type="checkbox"/> Dredge mining | <input type="checkbox"/> Fire damage/restoration |
| <input type="checkbox"/> Petroleum activities | <input type="checkbox"/> Underground storage tanks |
| <input type="checkbox"/> Mill tailings | <input type="checkbox"/> Aboveground storage tanks |
| <input type="checkbox"/> Mine tailings | <input type="checkbox"/> Saltwater intrusion |
| <input type="checkbox"/> Gravel mining | <input type="checkbox"/> Road salting |
| <input type="checkbox"/> Injection wells | <input type="checkbox"/> Fish, shellfish wastes |
| | <input type="checkbox"/> UNKNOWN SOURCE |

BOEVE

FEB 3 1994

DEPARTMENT OF ENVIRONMENTAL CONSERVATION