1. Incident Name: Drift River Facility Flooding
2. Operational Period: from March 27, 2009, 1:00 pm, until revised
3. Environmentally-Sensitive Areas and Wildlife Issues

<table>
<thead>
<tr>
<th>Site No.</th>
<th>Priority</th>
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<th>Site Issues</th>
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</table>
| 1       | HIGH     | Redoubt Bay Critical Habitat Area, located north of the Drift River Facility (see attached map) | • Waterfowl concentrations in spring and fall, throughout the critical habitat area, and south to Harriet Point, inclusive of the Drift River Facility.  
• Waterfowl molting concentrations, throughout the critical habitat area, and south to Katchin Creek, inclusive of the Drift River Facility.  
• Anadromous fish in streams and lakes, including in Drift River  
• Shorebird concentrations in spring and fall, throughout the critical habitat area, and south, inclusive of the Drift River Facility.  
• Harbor seal haulout concentrations, at least 1 site within the critical habitat area.  
• Brown bear concentrations in summer and fall, throughout the critical habitat area, and south, inclusive of the Drift River Facility.  
• Black bear concentrations in spring, throughout the critical habitat area, and south, inclusive of the Drift River Facility.  
• Beluga whale feeding in nearshore waters. |
| 2       | HIGH     | Kalgin Island and Kalgin Island Critical Habitat Area, located southeast of the Drift River Facility in Cook Inlet | • Harbor seal haulout concentrations, at least two sites  
• Streams and lakes with anadromous fish  
• Waterfowl concentrations in spring and fall |
| 3 | HIGH | Trading Bay State Game Refuge, located north of Redoubt Bay Critical Habitat Area | • Waterfowl concentrations in spring, along the coast and up to three miles inland  
• Waterfowl concentrations in fall, throughout the refuge.  
• Waterfowl concentrations during molting, throughout the refuge.  
• Bear concentrations in spring, throughout the refuge  
• Streams and lakes with anadromous fish  
• Shorebird concentrations during molting, throughout the refuge.  
| 4 | HIGH | Clam Gulch Critical Habitat Area, located across Cook Inlet from the Drift River Facility to the east | • Waterfowl concentrations in spring, in area between Clam Gulch and Kasilof.  
• Waterfowl concentrations in fall, in area north and west of Kasilof.  
• Waterfowl concentrations in winter, near Cape Starichkof  
• Streams and lakes with anadromous fish  
• Razor clam concentrations, along coast from Cape Kasilof south to Cape Starichkof.  
• Seabird concentrations near mouth of Kasilof River.  
| 5 | HIGH | Mouth of the Kenai River, located across Cook Inlet from the Drift River Facility to the east | • Waterfowl concentrations in spring and summer  
• Beluga whale concentrations in spring, summer and fall, at the mouth of the Kenai River and in the marine environment outside of the mouth.  
• Anadromous fish streams.  
• Shorebird concentrations in spring at the mouth of the Kenai River.  
• Seabird colonies are found at the mouth of the Kenai River. |
Other most environmentally sensitive areas in Cook Inlet, further from the Drift River Facility, but still situated in the path of a potential oil spill include:

- Barren Islands
- Chinik Head to Silver Beach (Kamishak Bay)
- Susitna Flats and Susitna Flats State Game Refuge
- Anchorage Flats and Anchorage Coastal Wildlife Refuge
- Goose Bay State Game Refuge
- Palmer Hay Flats State Game Refuge
- Kachemak Bay Critical Habitat Area and Fox River Critical Habitat Area

A map showing environmentally sensitive areas for spring (April – May) can be found at: [http://www.asgdc.state.ak.us/maps/cplans/cook/PDFS/SPRING.PDF](http://www.asgdc.state.ak.us/maps/cplans/cook/PDFS/SPRING.PDF)

Individual maps of most environmentally sensitive areas for Cook Inlet can be accessed at: [http://www.asgdc.state.ak.us/maps/cplans/subareas.html#cook](http://www.asgdc.state.ak.us/maps/cplans/subareas.html#cook)

4. Archaeo-cultural and Socio-economic issues: Archaeo-cultural issues are being reported upon by ADNR. The following subsistence and personal use harvest information has been supplied by ADF&G – Subsistence Division.

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| 1        | HIGH     | Cook Inlet                    | • Non-commercial, personal use net fisheries for salmon.  
• Subsistence set gill net salmon fisheries in Tyonek Subdistrict, around Seldovia, and in the Port Graham and Koyuktoluk subdistricts.  
• Significant marine subsistence fisheries (halibut, rockfish, cod) around Seldovia, and in the Port Graham and Koyuktoluk subdistricts.  
• Marine mammal hunting for harbor seals, sea lions, and sea otters takes place in lower Cook Inlet.  
• Subsistence bird hunting, lower Cook Inlet.  
• Very significant subsistence harvests of marine invertebrates in areas outside the nonsubsistence areas of lower Cook Inlet.  
• Significant personal use fisheries for clams. |

Prepared by: Gayle Martin, ADF&G – Habitat, on March 27, 2009 at 1:00 pm.