

SENSITIVE AREAS: PART THREE - RESOURCE SENSITIVITY

The following sensitivity tables were developed by the Sensitive Areas Work Group, with representatives from State and Federal agencies and the private sector (not all information is complete at this time). Where references are available they are noted at the end of the tables. Periods and/or conditions when resources are of varying levels of concern (most, medium, least), with respect to oil spill impacts, are noted in the following tables.

SHORELINE GEOMORPHOLOGY

(references: 8)

CATEGORY	LEAST	MEDIUM	MOST
COASTAL HABITAT TYPES	Fine-grained sand beaches Exposed wave-cut platforms Exposed rocky shores	Gravel beaches Mixed sand & gravel beaches Exposed tidal flats Coarse grained sand beaches Riprap structures	Marshes Eelgrass beds Sheltered tidal flats Sheltered rocky flats
LAKE AND RIVER HABITAT TYPES	Exposed rocky cliffs & banks Bedrock shores & ledges, rocky shoals Eroding scarps/bank in unconsolidated sediment Exposed man-made structures	Sand beaches & bars Mixed sand & gravel beaches/bars Gravel beaches/bars Gently sloping banks Exposed flats Riprap	Sheltered scarps in bedrock Vegetated steep sloping bluffs Sheltered man-made structures Vegetated low banks Sheltered sand & mud & muddy substrates Marshes
UPLAND HABITAT TYPES	Alpine tundra Mesic/dry tussock tundra	Low shrub vegetation Dwarf shrub mat and cushion tundra	Riparian willow

THREATENED OR ENDANGERED SPECIES

(reference: 19)

CATEGORY	LEAST	MEDIUM	MOST
ENDANGERED SPECIES			Whales: Fin, Blue, Sei, Northern right, Humpback, Sperm Fish: Upper Columbia River Spring Chinook Salmon and Steelhead Birds: Short-tailed albatross,
THREATENED SPECIES			Pinipeds: Steller sea lion Fish: Snake River Fall, Spring, Summer Chinook Salmon; Puget Sound Chinook Salmon; Lower Columbia River Chinook Salmon and Steelhead; Upper Willamette River Chinook Salmon and Steelhead; Snake River Basin Steelhead; Middle Columbia river Steelhead
POTENTIAL SPECIES		Northern Goshawk Alexander Archipelago Wolf Kittlitz's murrelet	
PROTECTED SPECIES			Bald eagle, Golden eagle, All marine mammals and migratory birds

SEA OTTERS

(references: 1,8,14)

CATEGORY	LEAST	MEDIUM	MOST
ABUNDANCE		< 20	> 20
SUSCEPTIBILITY			Year around
HUMAN HARVEST	Year around		

Critical Life Periods **J F M A M J J A S O N D**

Present nearshore =====
Pupping =====

BEARS
(references: 1,11)

CATEGORY	LEAST	MEDIUM	MOST
SUSCEPTIBILITY ^{1,2}	Nov 1 - April 30	May 1 - June 30 Sept 1 - Oct 31	July 1 - Aug 30
COMMERCIAL VALUE	Nov 1 - May 31 July 1 - Aug 31	June 1 - June 30	Sept 1 - Oct 31
HUMAN HARVEST ³	Nov 1 - April 15		April 15 - Oct 31

1. Bear densities and susceptibility to oil impacts increases through spring as more individuals emerge from dens and move to coastal areas.
2. Bear densities and susceptibility to oil impacts decreases through the summer depending upon the availability of fish in lower reaches of streams.
3. Black bear hunting season closed July and August, brown bear hunting season closed June-August

Critical Life Periods **J F M A M J J A S O N D**

Denning ===== =====

Spring coastal concentrations =====

Salmon stream concentrations =====

SITKA BLACK-TAILED DEER
(references: 1,11)

CATEGORY	LEAST	MEDIUM	MOST
SUSCEPTIBILITY	May 1 - Nov 15		Nov 15 - April 30
HUMAN HARVEST	Jan 1 - July 31		Aug 1 - Dec 31

Critical Life Periods **J F M A M J J A S O N D**

Fawning period ===

Foraging along coast ===== =====

MARBLED MURRELET NEARSHORE FEEDING CONCENTRATIONS
(reference: 3)

CATEGORY	LEAST	MEDIUM	MOST
ABUNDANCE			
SUSCEPTIBILITY		year around	

Critical Life Periods **J F M A M J J A S O N D**

Nesting/rearing =====

Nearshore feeding =====

Reference Documents For Sensitivity Tables

1. Alaska Habitat Management Guides Reference Maps - Southeast Region (Alaska Department of Fish and Game Habitat Division, 1986)
2. Fish and Wildlife Service Seabird Catalog 1978 (database in Anchorage: contact Vivian Mendenhall at 786-3517)
3. Fish and Wildlife Service, Juneau, marbled murrelet study 1992
- 3b. Shea 1993. Commercial Wildlife Viewing in Southeast Alaska
4. This plan - Volume II, Annex I
5. Juneau Area Plan - Fish and Wildlife Resources Element (Alaska Department of Natural Resources/Alaska Department of Fish and Game 1993)
Prince of Wales Island Area Plan - Fish and Wildlife Resource Element (Alaska Department of Natural Resources/Alaska Department of Fish and Game 1990)
Yakataga Area Plan - Fish and Wildlife Resource Element (Alaska Department of Natural Resources/Alaska Department of Fish and Game 1993)
6. An Atlas of the Catalog of Waters Important to the Spawning, Rearing on Migration of Anadromous Fish (Alaska Department of Fish and Game 1993)
7. Subsistence Resource Use Patterns in Southeast Alaska (Alaska Department of Fish and Game, Division of Subsistence 1993)
8. Environmental Sensitivity Index Maps for Quads in Southeast Alaska (RRI for NOAA 1993)
9. National Oceanic and Atmospheric Administration Nautical Charts
10. Recreational Fisheries of Southeast Alaska, Including Yakutat: An Assessment (Alaska Department of Fish and Game, Division of Sport Fish, 1984)
11. U.S. Forest Service Alaska Regional Office, Tongass geographic information system data
12. Fish and Wildlife Service Juneau Field Office - bald eagle nest site database
13. Salmon Holes & Halibut Hills, A Sport Fishing Atlas of Southeast Alaska (Alaska Department of Fish and Game 1989)
14. Fish and Wildlife Service marine mammals database (contact Tony DeGange at 271-2344)
15. Contact cultural resources personnel (see Section D. "Agency Contacts/Expertise")
16. Attachment One, Salmon Escapement Tables for Southeast Alaska
17. Alaska Department of Natural Resources, Office of History and Archeology. Alaska Heritage Resources Survey (AHRS)
18. Minerals Management Service report on shipwrecks in Alaska
19. Fish and Wildlife Service, National Marine Fisheries Service, Forest Service

This page intentionally left blank.