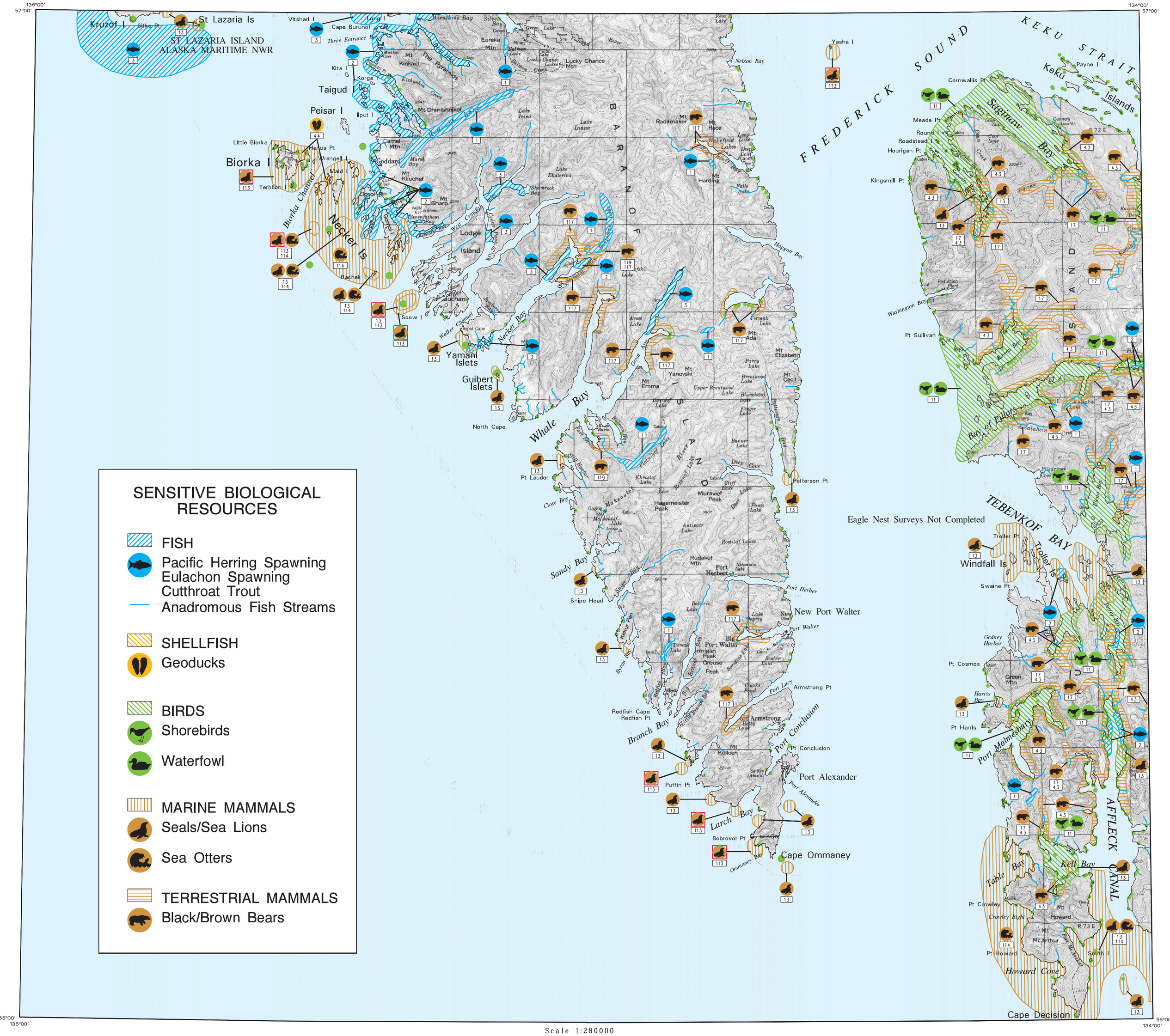
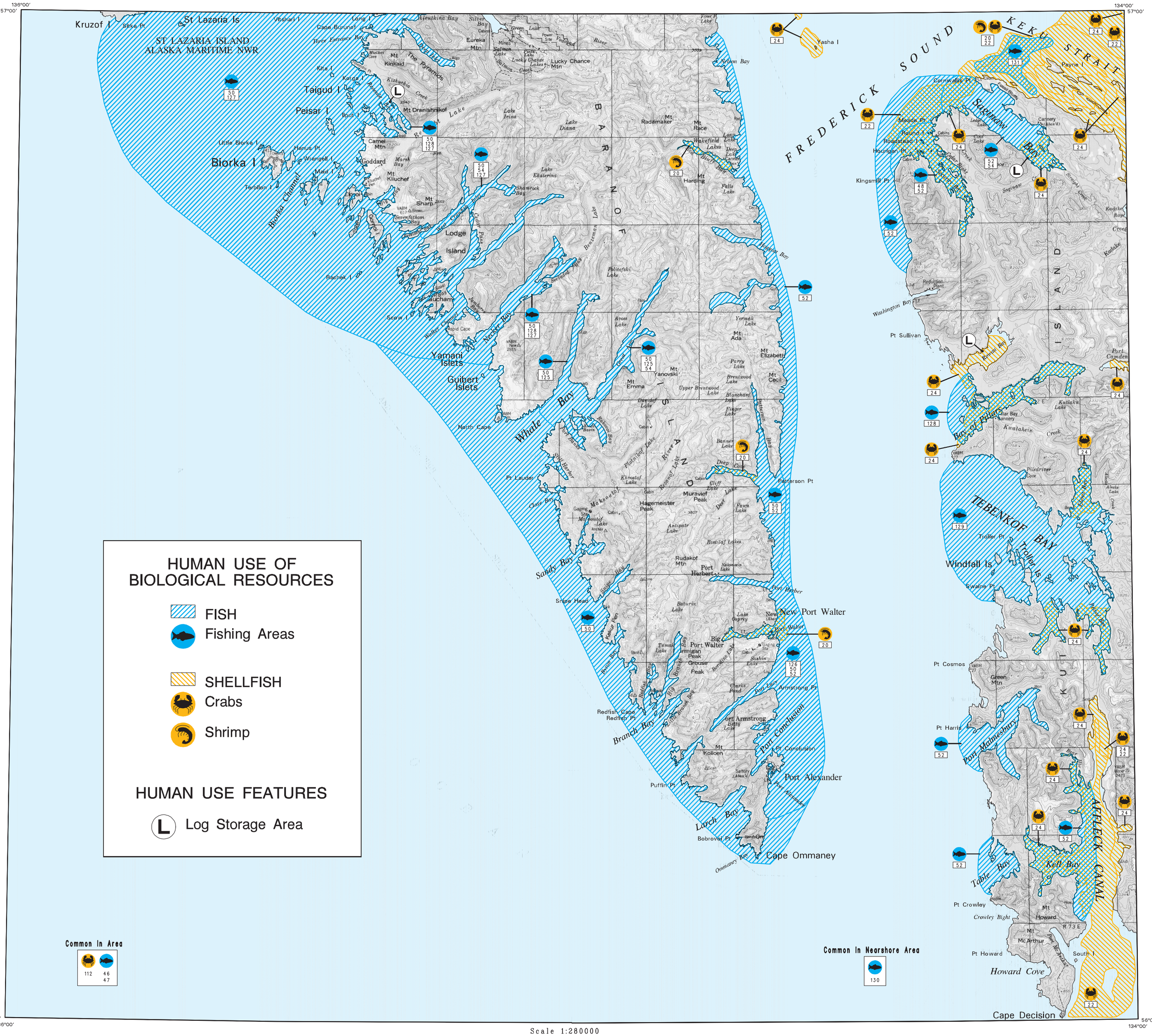
ENVIRONMENTAL SENSITIVITY INDEX MAP



SENSITIVE BIOLOGICAL RESOURCES

- FISH
  - Pacific Herring Spawning
  - Eulachon Spawning
  - Cutthroat Trout
  - Anadromous Fish Streams
- SHELLFISH
  - Geoducks
- BIRDS
  - Shorebirds
  - Waterfowl
- MARINE MAMMALS
  - Seals/Sea Lions
  - Sea Otters
- TERRESTRIAL MAMMALS
  - Black/Brown Bears

ENVIRONMENTAL SENSITIVITY INDEX MAP



HUMAN USE OF BIOLOGICAL RESOURCES

Port Alexander

PORT ALEXANDER - BIOLOGICAL RESOURCES

BIOLOGICAL RESOURCES:

BIRD:

RAR#	Species	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Laying	Hatching	Fledging
11	Shorebirds			HIGH				X	X			X	X	X			-	-	-	-
	Waterfowl			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	APR-AUG	-	-	-

FISH:

RAR#	Species	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
1	Coastal Cutthroat trout			HIGH	X	X	X	X						X	X	X	-	-	-	-	-
2	Pacific herring			HIGH				X	X	X							MAR-MAY	-	-	-	-
3	Pacific herring			HIGH													-	-	-	-	-

INVERT:

RAR#	Species	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Spawn/Mate	Eggs	Larvae	Juveniles	Adults
44	Geoduck			HIGH													-	-	-	-	-

M_MAMMAL:

RAR#	Species	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Mating	Calving	Pupping	Molting
13	Harbor seal			<100	X	X	X	X	X	X	X	X	X	X	X	X	-	-	MAY-JUN	AUG-SEP
113	Steller (Northern) sea lion	F	T	HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
114	Sea otter			HIGH													-	-	-	-

T_MAMMAL:

RAR#	Species	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D
17	Black bear			HIGH							X	X	X			
43	Black bear			HIGH				X	X	X						
117	Brown bear			HIGH				X	X	X						
119	Brown bear			HIGH							X	X	X			

PORT ALEXANDER - HUMAN USE RESOURCES

BIOLOGICAL RESOURCES:

FISH:

RAR#	Species	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
46	Sablefish (blackcod)			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
47	Rockfish			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
48	Chum salmon (dog)			HIGH			X	X	X	X	X	X	X	X	X	X	AUG-DEC	MAR-SEP	-	-	-
	Coho salmon (silver)			HIGH			X	X	X	X	X	X	X	X	X		-	MAR-SEP	-	-	-
50	Coho salmon (silver)			HIGH			X	X	X	X	X	X	X	X	X		-	MAR-SEP	-	-	-
52	Pink salmon (humpy)			HIGH			X	X	X	X	X	X	X	X	X	X	AUG-DEC	MAR-SEP	-	-	-
54	Chum salmon (dog)			HIGH			X	X	X	X	X	X	X	X	X	X	AUG-DEC	MAR-SEP	-	-	-
125	Pink salmon (humpy)			HIGH			X	X	X	X	X	X	X	X	X	X	AUG-DEC	MAR-SEP	-	-	-
	Sockeye salmon (red)			HIGH			X	X	X	X	X	X	X	X	X		-	MAR-SEP	-	-	-
126	Chinook salmon			HIGH			X	X	X	X	X	X	X	X	X		-	MAR-SEP	-	-	-
127	Chinook salmon			HIGH			X	X	X	X	X	X	X	X	X		-	MAR-SEP	-	-	-
	Pink salmon (humpy)			HIGH			X	X	X	X	X	X	X	X	X	X	AUG-DEC	MAR-SEP	-	-	-
128	Sockeye salmon (red)			HIGH			X	X	X	X	X	X	X	X	X		-	MAR-SEP	-	-	-
129	Chum salmon (dog)			HIGH			X	X	X	X	X	X	X	X	X	X	AUG-DEC	MAR-SEP	-	-	-
	Coho salmon (silver)			HIGH			X	X	X	X	X	X	X	X	X		-	MAR-SEP	-	-	-
	Pink salmon (humpy)			HIGH			X	X	X	X	X	X	X	X	X	X	AUG-DEC	MAR-SEP	-	-	-
	Sockeye salmon (red)			HIGH			X	X	X	X	X	X	X	X	X		-	MAR-SEP	-	-	-
130	Rockfish			MED	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
131	Pacific cod			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-

INVERT:

RAR#	Species	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Spawn/Mate	Eggs	Larvae	Juveniles	Adults
20	Dock shrimp			HIGH													-	-	-	-	-
	Humpy shrimp			HIGH													-	-	-	-	-
	Ocean pink shrimp			HIGH													-	-	-	-	-
	Spot shrimp			HIGH													-	-	-	-	-
22	Tanner crab			HIGH													-	-	-	-	-
24	Dungeness crab			HIGH													-	-	-	-	-
112	Golden king crab			HIGH													-	-	-	-	-

Biological information shown on the maps represents known concentration areas or occurrences, but does not necessarily represent the full distribution or range of each species. This is particularly important to recognize when considering potential impacts to protected species.