

Seasonal presence and relative abundance of sensitive resources occurring in the proposed Jack Bay Potential Place of Refuge, Prince William Sound, Alaska 2004										
Resource Category	Type or Species	Location within Jack Bay	Location within Jack Bay	**Relative Abundance	Season of Observation/Susceptibility	Summer (June-Aug)	Fall (Sept-Nov)	Winter (Dec-Feb)	PWS-SCP Sensitivity Rating	EVOS Recovery Status
Shoreline Geomorphology	Marshes	► Gregoreoff Cr., Naomof R, Vlasoff Cr. and Levshakoff Cr.	► Gregoreoff Cr., Naomof R, Vlasoff Cr. and Levshakoff Cr.	3	x	x	x	x	Most	
	Exposed tidal flats	► Gregoreoff Cr., Naomof R, Vlasoff Cr. and Levshakoff Cr.	► Gregoreoff Cr., Naomof R, Vlasoff Cr. and Levshakoff Cr.	4	x	x	x	x	Medium	
	Gravel beaches	► East side Tongue Point, Islands, beaches around Gregoreoff Cr., Naomof R., Vlasoff Cr.	► East side Tongue Point, Islands, beaches around Gregoreoff Cr., Naomof R., Vlasoff Cr.	>10	x	x	x	x	Medium	
Threatened, Endangered and Species of Concern	Steller sea lion	► Main Bay	► Main Bay	Low	x	x	x		Most	
	Harlequin Duck	► Gregoreoff Cr. (nesting area); Levshakoff Cr.	► Gregoreoff Cr. (nesting area); Levshakoff Cr.	Seasonally High	x	x	x	x	Medium	Not recovering
	Marbled Murrelet	► Throughout Bay	► Throughout Bay	Seasonally High	x	x	x	x	Medium	Recovering
Marine Mammals	Sea Otter	► Gregoreoff Cr., Naomof R., Vlasoff and Levshakoff Cr. ► Haul outs: Islands and intertidal rocks	► Gregoreoff Cr., Naomof R., Vlasoff and Levshakoff Cr. ► Haul outs: Islands and intertidal rocks	Low	x	x	x	x	Medium	Recovering
	Harbor Seal	► Islands, south shore, Gregoreoff Cr., Vlasoff Cr., Levshakoff Cr. and Naomof R.	► Islands, south shore, Gregoreoff Cr., Vlasoff Cr., Levshakoff Cr. and Naomof R.	Low	x	x	x	x		Not recovering
	Killer Whale	► South shore near Gregoreoff Cove and private cabins	► South shore near Gregoreoff Cove and private cabins	Medium	x				Least	
Terrestrial Mammals	Black Bear	► Gregoreoff Cr., Naomof R., Vlasoff and Levshakoff Creeks; south shoreline of bay	► Gregoreoff Cr., Naomof R., Vlasoff and Levshakoff Creeks; south shoreline of bay	Medium	x	x	x		Most	
	Brown Bear	► Naomof R., Vlasoff Cr. and uplands	► Naomof R., Vlasoff Cr. and uplands	Low	x	x			Most	
	Marten	► Upland areas surrounding bay	► Upland areas surrounding bay	Low	x					
	Wolverine	► Levshakoff Cr.	► Levshakoff Cr.	Low				x		
	Coyote	► Point south of Vlasoff Cr., Naomof R., and Gregoreoff Cr. and Levshakoff Cr.	► Point south of Vlasoff Cr., Naomof R., and Gregoreoff Cr. and Levshakoff Cr.	Medium	x	x	x	x		
	River Otter	► Throughout Bay; Dens at Gregoreoff Cr. area	► Throughout Bay; Dens at Gregoreoff Cr. area	Medium		x				Recovered
	Deer	► NW of Levshakoff Cr. and Tongue Point	► NW of Levshakoff Cr. and Tongue Point	Low				x		
	Goat	► North side of Vlasoff Cr. estuary	► North side of Vlasoff Cr. estuary	Seasonally High				x		
Avian Species	Common Loon	► Throughout bay	► Throughout bay	Low	x	x	x	x		
	Yellow-billed Loon	► Off east end of Islands	► Off east end of Islands	Low		x				
	Pacific Loon	► Throughout bay	► Throughout bay	Low	x	x	x	x		
	Red-throated Loon	► Throughout bay	► Throughout bay	Low	x	x	x	x		
	Horned Grebe	► Naomof R. and Vlasoff Cr. estuaries, and shallow water between Levshakoff and Gregoreoff Creeks	► Naomof R. and Vlasoff Cr. estuaries, and shallow water between Levshakoff and Gregoreoff Creeks	Seasonally High	x	x	x	x		
	Red necked Grebe	► Naomof R. and Vlasoff Cr. estuaries, and shallow water between Levshakoff and Gregoreoff Creeks	► Naomof R. and Vlasoff Cr. estuaries, and shallow water between Levshakoff and Gregoreoff Creeks	Seasonally High	x	x	x	x		
	Pelagic Cormorants	► Central bay, west side of Islands, Vlasoff Cr. estuary	► Central bay, west side of Islands, Vlasoff Cr. estuary	High	x	x	x	x		Not recovering
	Double-crested Cormorant	► Central bay, west side of Islands, Vlasoff Cr. estuary	► Central bay, west side of Islands, Vlasoff Cr. estuary	High	x	x	x	x		Not recovering
	Pigeon Guillemot	► Throughout bay	► Throughout bay	Seasonally High	x	x				Not recovering
	Common Murre	► Throughout bay	► Throughout bay	Seasonally High	x	x	x	x		Recovered
	Black-legged Kittiwake	► Naomof R. estuary; throughout bay	► Naomof R. estuary; throughout bay	Seasonally High	x	x				
	Glaucous-winged Gull	► Throughout Bay	► Throughout Bay	Seasonally High	x	x	x			
	Mew Gull	► Throughout Bay	► Throughout Bay	Seasonally High	x	x				
	Bonaparte's Gull	► Throughout Bay	► Throughout Bay	Seasonally High	x	x				
Arctic Tern	► Throughout Bay	► Throughout Bay	Seasonally High	x	x					
Great Blue Heron	► Gregoreoff Cr. estuary	► Gregoreoff Cr. estuary	Medium	x	x	x	x			
Avian Species	Canada Geese	► All Coves and Upper Bay	► All Coves and Upper Bay	High	x	x	x	x		

	Mallards, American	▶ All Coves and Upper Bay	▶ All Coves and Upper Bay	Medium to High	x	x	x	x		
	Gadwall, Northern S	▶ All Coves and Upper Bay	▶ All Coves and Upper Bay	Low to Medium						
	Barrow's Goldeneye	▶ All Coves and Upper Bay	▶ All Coves and Upper Bay	Seasonally High	x		x	x		
	Common Goldeneye	▶ All Coves and Upper Bay	▶ All Coves and Upper Bay	Seasonally High	x		x	x		
	Bufflehead	▶ All Coves and Upper Bay	▶ All Coves and Upper Bay	Seasonally High	x		x	x		
	Scaup species	▶ All Coves and Upper Bay	▶ All Coves and Upper Bay	Seasonally High	x		x	x		
	Surf Scoter	▶ All Coves and Upper Bay	▶ All Coves and Upper Bay	Seasonally High	x		x	x		
	White-winged Scoter	▶ All Coves and Upper Bay	▶ All Coves and Upper Bay	Seasonally High	x		x	x		
	Common Merganser	▶ All Coves and Upper Bay	▶ All Coves and Upper Bay	High	x	x	x	x		
	Red-breasted Merga	▶ All Coves and Upper Bay	▶ All Coves and Upper Bay	High	x	x	x	x		
	Bald Eagle	▶ Feeding sites: Gregoreoff Cr., Naomof R, Vlasoff Cr. and Levshakoff Cr. estuaries	▶ Feeding sites: Gregoreoff Cr., Naomof R, Vlasoff Cr. and Levshakoff Cr. estuaries	High	x	x	x	x	Most	Recovered
		▶ Nest sites: Upper bay N and S shore, Mid-bay N and S shore, and Islands	▶ Nest sites: Upper bay N and S shore, Mid-bay N and S shore, and Islands	Low	x	x	x			
		▶ Roost habitat: area surrounding bay	▶ Roost habitat: area surrounding bay	Medium	x	x	x	x		
	North Western Crow	▶ Vlasoff and Gregoreoff Creek estuaries	▶ Vlasoff and Gregoreoff Creek estuaries	High	x	x	x			
	Common Raven	▶ Throughout Bay	▶ Throughout Bay	Medium	x	x	x	x		
	Belted King Fisher	▶ South side Upper bay	▶ South side Upper bay	Low		x				
Anadromous Fish	Pink Salmon	▶ Gregoreoff Cr., Naomof R., Vlasoff Cr. No-Name Cr. (ADFG stream 122), and Levshakoff Cr.	▶ Gregoreoff Cr., Naomof R., Vlasoff Cr. No-Name Cr. (ADFG stream 122), and Levshakoff Cr.	* Combined avg. (x Even-Year (31,686 pink) Odd-year (28,288 pink)		x	x	x	Most	Recovered
	Chum Salmon	▶ Gregoreoff Cr., Naomof R., Vlasoff Cr. No-Name Cr. (ADFG stream 122) and Levshakoff Cr.	▶ Gregoreoff Cr., Naomof R., Vlasoff Cr. No-Name Cr. (ADFG stream 122) and Levshakoff Cr.	* Combined avg. (x 11,823 chum		x	x	x	Medium	
	Coho Salmon	▶ Levshakoff Cr. and Naomof R.	▶ Levshakoff Cr. and Naomof R.	Medium		x				
	Chinook Salmon	▶ Central Bay	▶ Central Bay	Low						
Human-Use										Recovering
Recreation	Camping	▶ State Marine Park mid-bay; USFS Cabin Upper bay; Kayak camping along north and south shorelines of bay	▶ State Marine Park mid-bay; USFS Cabin Upper bay; Kayak camping along north and south shorelines of bay	High		x			Medium	
	Public moorings	▶ State Marine Park	▶ State Marine Park	Medium		x			Medium	
	Anchorage	▶ Throughout Bay, especially in vicinity of Islands and Vasloff Cove	▶ Throughout Bay, especially in vicinity of Islands and Vasloff Cove	Medium						
	Wildlife/Scenic View	▶ Throughout bay, especially in coves and in vicinity of spawning streams	▶ Throughout bay, especially in coves and in vicinity of spawning streams	High		x			Medium	
	Kayaking/Diving	▶ Throughout bay	▶ Throughout bay	Medium		x			Medium	
	Sport Fishing	▶ Throughout bay	▶ Throughout bay	High		x			Medium	
	Shrimping	▶ North side lower bay; adjacent to Islands	▶ North side lower bay; adjacent to Islands	High	x	x	x			
	Hunting	▶ Naomof R., Vlasoff Cr. and Gregoreoff Cr.	▶ Naomof R., Vlasoff Cr. and Gregoreoff Cr.	Low						
Subsistence	Shrimping	▶ Lower bay, south side mid-bay	▶ Lower bay, south side mid-bay	Low	x	x	x			
	Mussel collecting	▶ Gregoreoff Cove	▶ Gregoreoff Cove	Low	x	x	x			
Private Land		▶ South side mid-bay; Gregoreoff Cr. and east	▶ South side mid-bay; Gregoreoff Cr. and east		x	x	x	x		
EVOS Land		▶ South side from Tongue Point to Gregoreoff Cr.	▶ South side from Tongue Point to Gregoreoff Cr.		x	x	x	x		
State		▶ Marine State Park around Islands and north shore; some land mixed with private land east Gregoreoff Cr.	▶ Marine State Park around Islands and north shore; some land mixed with private land east Gregoreoff Cr.		x	x	x	x		
USFS		▶ Majority of land surrounding bay	▶ Majority of land surrounding bay		x	x	x	x		
* Pink and chum salmon escapement data provided by ADF&G 2004 ** Relative abundance judged as Low (1-3), Medium (<10), High (>10)										