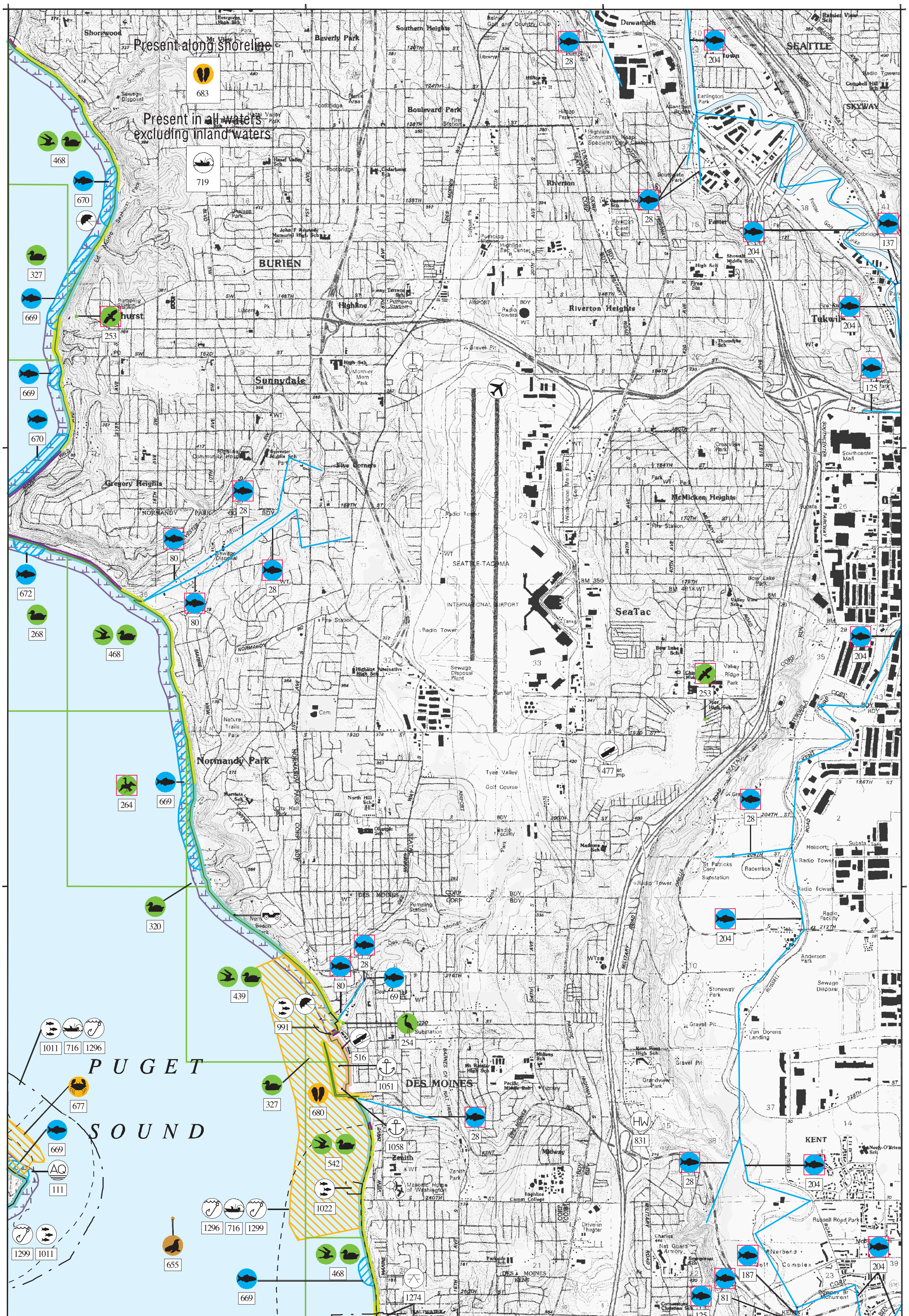
ENVIRONMENTAL SENSITIVITY INDEX MAP

122°22'30" 47°30'00" 122°15'00" 47°30'00"



47°22'30" 122°22'30" 47°22'30" 122°15'00"

SHORELINE HABITATS (ESI)

- 1A EXPOSED ROCKY SHORES
  1B EXPOSED, SOLID MAN–MADE STRUCTURES
- 2A EXPOSED WAVE–CUT PLATFORMS IN
  BEDROCK, MUD, OR CLAY
- 3A FINE–TO MEDIUM–GRAINED SAND BEACHES
  3B SCARPS AND STEEP SLOPES IN SAND
- 4 COARSE–GRAINED SAND BEACHES
- 5 MIXED SAND AND GRAVEL BEACHES
- 6A GRAVEL BEACHES
  6D BOULDER RUBBLE
- 6B RIPRAP
- 7 EXPOSED TIDAL FLATS
- 8A SHELTERED ROCKY SHORES AND
  SHELTERED SCARPS IN BEDROCK, MUD, OR CLAY
- 8B SHELTERED, SOLID MAN–MADE STRUCTURES
- 8C SHELTERED RIPRAP
- 9A SHELTERED TIDAL FLATS
  9B VEGETATED LOW BANKS
- 10A SALT– AND BRACKISH–WATER MARSHES
- 10C SWAMPS

N
W E
S

1 .5 0 1 KILOMETER

1 .5 0 1 MILE

SCALE 1:45000

Not For Navigation

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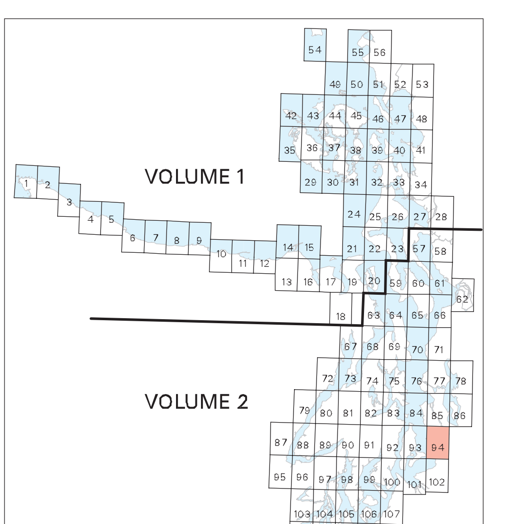

Des Moines ESI-94

Puget Sound and the Strait of Juan de Fuca: ESIMAP 94

BIOLOGICAL RESOURCES:

BIRD:

RAR#	Species	S	F	Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Laying	Hatching	Fledging
253	Bald eagle	T	T		X	X	X	X	X	X	X						JAN-JUL	FEB-MAR	MAR-APR	JAN-JUL
254	Great blue heron					X	X	X	X	X	X						FEB-JUL	-	-	-
264	Western grebe	C			X	X	X	X						X	X	X	-	-	-	-
268	Scoters				X	X	X	X	X			X	X	X	X	X	-	-	-	-
320	Goldeneye				X	X	X	X							X	X	-	-	-	-
327	Goldeneye				X	X	X	X							X	X	-	-	-	-
	Scoters				X	X	X	X	X			X	X	X	X	X	-	-	-	-
439	Gulls				X	X	X	X	X	X	X	X	X	X	X	X	MAY-SEP	MAY-JUL	JUN-AUG	JUN-SEP
	Scoters				X	X	X	X	X			X	X	X	X	X	-	-	-	-
468	Goldeneye				X	X	X	X							X	X	-	-	-	-
	Gulls				X	X	X	X	X	X	X	X	X	X	X	X	MAY-SEP	MAY-JUL	JUN-AUG	JUN-SEP
	Scoters				X	X	X	X	X			X	X	X	X	X	-	-	-	-
542	Bufflehead				X	X	X	X							X	X	-	-	-	-
	Goldeneye				X	X	X	X							X	X	-	-	-	-
	Gulls				X	X	X	X	X	X	X	X	X	X	X	X	MAY-SEP	MAY-JUL	JUN-AUG	JUN-SEP
	Scoters				X	X	X	X	X			X	X	X	X	X	-	-	-	-

FISH:

RAR#	Species	S	F	Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
28	Coho salmon		C		X						X	X	X	X	X	X	SEP-JAN	-	-	-	JUL-JAN
69	Chum salmon (fall)				X								X	X	X	X	SEP-JAN	-	-	-	SEP-JAN
80	Chum salmon (fall)				X								X	X	X	X	SEP-JAN	-	-	-	SEP-JAN
	Coho salmon		C		X						X	X	X	X	X	X	SEP-JAN	-	-	-	JUL-JAN
81	Chum salmon (fall)				X								X	X	X	X	SEP-JAN	-	-	-	SEP-JAN
	Coho salmon		C		X						X	X	X	X	X	X	SEP-JAN	-	-	-	JUL-JAN
	Steelhead (winter)				X	X	X	X	X	X					X	X	FEB-JUN	-	-	-	NOV-JUN
125	Chinook salmon (fall)	C	T								X	X	X	X	X	X	SEP-DEC	-	-	-	JUL-DEC
137	Chinook salmon (fall)	C	T								X	X	X	X	X	X	SEP-DEC	-	-	-	JUL-DEC
	Coho salmon		C		X						X	X	X	X	X	X	SEP-JAN	-	-	-	JUL-JAN
	Steelhead (winter)				X	X	X	X	X	X					X	X	FEB-JUN	-	-	-	NOV-JUN
187	Chinook salmon (fall)	C	T								X	X	X	X	X	X	SEP-DEC	-	-	-	JUL-DEC
	Chum salmon (fall)				X								X	X	X	X	SEP-JAN	-	-	-	SEP-JAN
	Coho salmon		C		X						X	X	X	X	X	X	SEP-JAN	-	-	-	JUL-JAN
	Steelhead (winter)				X	X	X	X	X	X					X	X	FEB-JUN	-	-	-	NOV-JUN
204	Chinook salmon (fall)	C	T								X	X	X	X	X	X	SEP-DEC	-	-	-	JUL-DEC
	Chum salmon (fall)				X								X	X	X	X	SEP-JAN	-	-	-	SEP-JAN
	Coho salmon		C		X						X	X	X	X	X	X	SEP-JAN	-	-	-	JUL-JAN
	Native char	C	T		X	X	X	X	X	X	X	X	X	X	X	X	AUG-NOV	-	-	-	JAN-DEC
	Pink salmon										X	X	X	X	X		AUG-OCT	-	-	-	JUL-NOV
	Sockeye salmon									X	X	X	X	X			-	-	-	-	MAY-SEP
	Steelhead (winter)				X	X	X	X	X	X					X	X	FEB-JUN	-	-	-	NOV-JUN
	Steelhead (summer)				X	X	X	X	X	X	X	X	X	X	X	X	JAN-MAY	-	-	-	JAN-DEC
669	Surf smelt				X	X	X	X	X	X	X	X	X	X	X	X	JAN-DEC	-	-	-	-
670	Pacific sand lance				X	X									X	X	NOV-FEB	-	-	-	-
	Surf smelt				X	X	X	X	X	X	X	X	X	X	X	X	JAN-DEC	-	-	-	-
672	Pacific sand lance				X	X									X	X	NOV-FEB	-	-	-	-

INVERTEBRATE:

RAR#	Species	S	F	Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
677	Dungeness crab				x	x	x	x	x	x	x	x	x	x	x	x	-	-	-	-	-
680	Hardshell clams				x	x	x	x	x	x	x	x	x	x	x	x	-	-	-	-	-
683	Geoduck				x	x	x	x	x	x	x	x	x	x	x	x	-	-	-	-	-

MARINE MAMMAL:

RAR#	Species	S	F	Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Mating	Calving	Pupping	Molting
655	California sea lion				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	AUG-NOV

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HUMAN USE RESOURCES:

AQUACULTURE:

HUN#	Name	Contact	Phone
111	EAST PASSAGE		

BOAT RAMP:

HUN#	Name	Contact	Phone
477	ANGLE LAKE PARK	SEATAC PARKS & REC DEPT	206/241-9100
516	DES MOINES MARINA	DES MOINES, CITY OF	206/878-4995

COMMERCIAL FISHING:

HUN#	Name	Contact	Phone
716	DEMERSAL GROUNDFISH FISHING		
719	SALMON FISHING		

HAZARDOUS WASTE SITE:

HUN#	Name	Contact	Phone
831	KENT HIGHLANDS LANDFILL		

MANAGEMENT AREA:

HUN#	Name	Contact	Phone
991	CITY OF DES MOINES PARK CA	WASHINGTON DEPARTMENT OF FISH AND WILDLIFE	
1011	MAURY ISLAND AQUATIC RESERVE	WASHINGTON DEPARTMENT OF NATURAL RESOURCES	
1022	SOUTH 239TH STREET PARK CA	WASHINGTON DEPARTMENT OF FISH AND WILDLIFE	

MARINA:

HUN#	Name	Contact	Phone
1051	CITY OF DES MOINES MARINA	DES MOINES, CITY OF	206/878-4995
1058	DES MOINES YACHT CLUB	DES MOINES, CITY OF	206/878-4995

PARK:

HUN#	Name	Contact	Phone
1274	SALTWATER	DEB PETERSEN, WASHINGTON STATE PARKS	360/902-8634

RECREATIONAL FISHING:

HUN#	Name	Contact	Phone
1296	DEMERSAL GROUNDFISH FISHING		
1299	SALMON FISHING		

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.