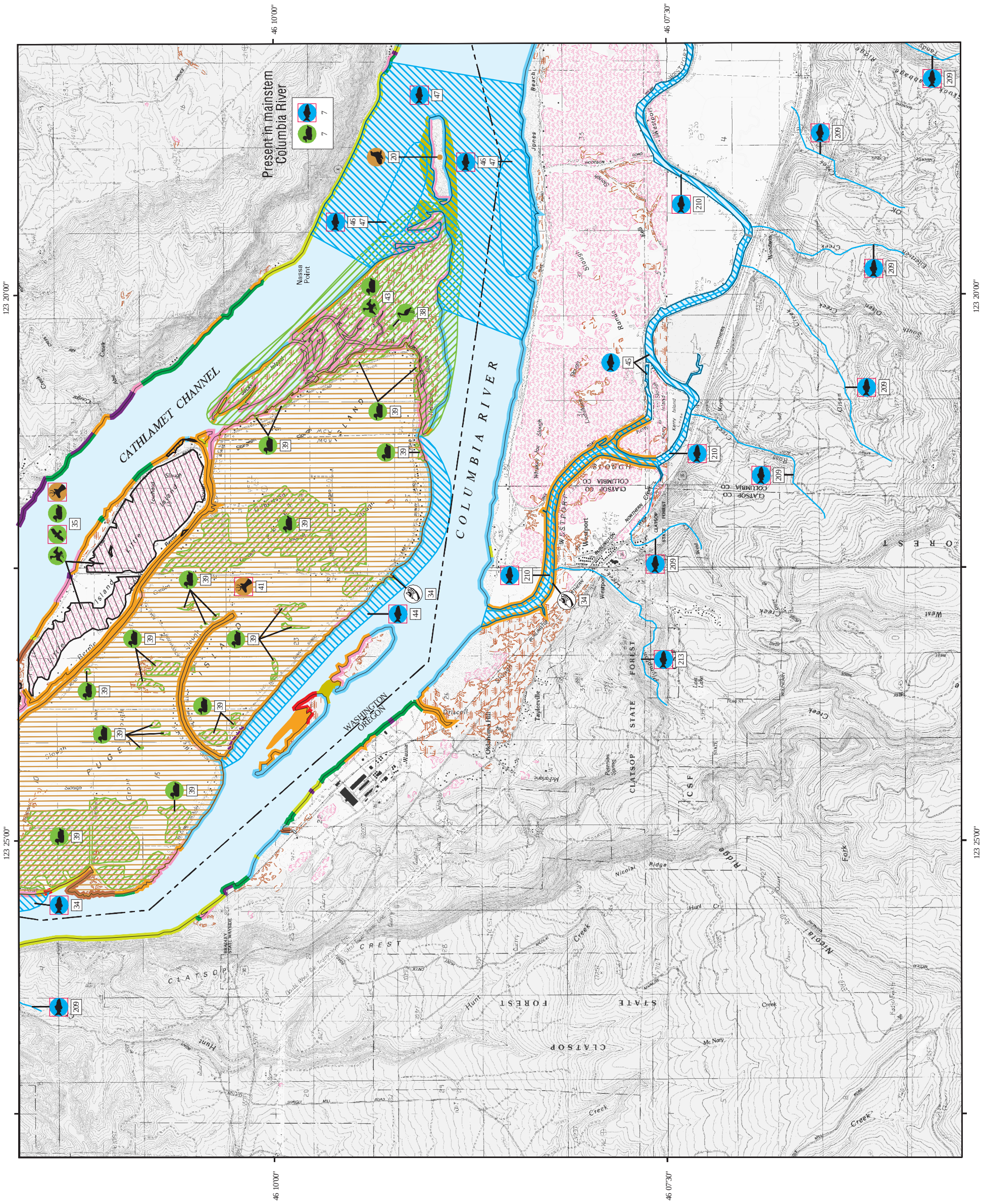
ENVIRONMENTAL SENSITIVITY INDEX MAP



SHORELINE HABITATS (ESI)

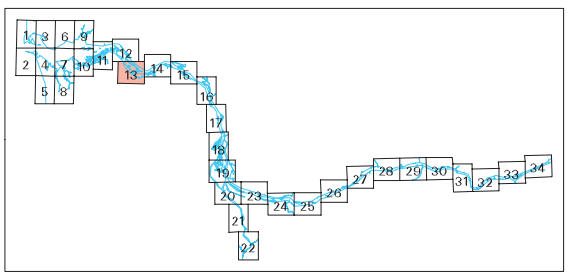
- 1A EXPOSED ROCKY SHORES
- 1B EXPOSED, SOLID MAN- MADE STRUCTURES
- 2A EXPOSED WAVE- CUT PLATFORMS IN BEDROCK
- 3A FINE- TO MEDIUM- GRAINED SAND BEACHES
- 3B SCARPS AND STEEP SLOPES IN SAND
- 4 COARSE- GRAINED SAND BEACHES
- 5 MIXED SAND AND GRAVEL BEACHES
- 6A GRAVEL BEACHES
- 6B RIPRAP
- 7 EXPOSED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

N E S W

SCALE 1:45000

1 .5 0 1 KILOMETER

1 .5 0 1 MILE



Not For Navigation

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Office of Response and Restoration
Hazardous Materials Response Division

Columbia River ESI-13

Columbia River: ESIMAP 13

BIOLOGICAL RESOURCES:

BIRD:

RAR#	Species	S	F	ST	Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Migrating	Molting
7	Canada goose					X	X	X	X	X	X	X	X	X	X	X	X	MAY-SEP	-	-
	Common goldeneye					X	X									X	X	-	-	-
	Scaup					X	X	X	X	X				X	X	X	X	-	-	-
	Dabbling ducks					X	X	X	X	X				X	X	X	X	-	-	-
35	American wigeon					X	X	X	X	X				X	X	X	X	-	-	-
	Bald eagle	T	T			X	X	X	X	X	X	X	X	X	X	X	X	JAN-AUG	-	-
	Loons					X	X	X	X	X				X	X	X	X	-	-	-
	Waterfowl				HIGH	X	X									X	X	-	-	-
	Dabbling ducks					X	X	X	X	X				X	X	X	X	-	-	-
	Tundra swan					X	X								X	X	X	-	-	-
	Mallard					X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Northern pintail					X	X									X	X	-	-	-
	Canada goose					X	X	X	X	X	X	X	X	X	X	X	X	MAY-SEP	-	-
38	Great blue heron				50 PAIRS	X	X	X	X	X	X	X	X	X	X	X	X	APR-JUL	-	-
39	Waterfowl					X	X									X	X	-	-	-
	Canada goose				200	X	X	X	X	X	X	X	X	X	X	X	X	MAY-SEP	-	-
43	American wigeon					X	X	X	X	X				X	X	X	X	-	-	-
	Loons					X	X	X	X	X				X	X	X	X	-	-	-
	Waterfowl				HIGH	X	X									X	X	-	-	-
	Ducks				1000S	X	X									X	X	-	-	-
	Mallard					X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Northern pintail					X	X									X	X	-	-	-
	Canada goose				100S	X	X	X	X	X	X	X	X	X	X	X	X	MAY-SEP	-	-

FISH:

RAR#	Species	S	F	ST	Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
7	Chinook salmon (summer)	*	*			X	X	X	X	X	X	X	X	X	X	X	X	SEP-NOV	SEP-APR	-	MAR-SEP	JUN-NOV
	Sockeye salmon	*	*			X	X	X	X	X	X	X	X	X	X	X	X	SEP-OCT	-	-	JAN-DEC	AUG-FEB
	White sturgeon					X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Coastal Cutthroat trout	C		OR		X	X	X	X	X	X	X	X	X	X	X	X	DEC-MAY	JAN-JUN	-	JAN-DEC	JAN-DEC
	Coho salmon	*	*			X	X	X	X	X	X	X	X	X	X	X	X	OCT-JAN	OCT-MAR	-	JAN-DEC	AUG-JAN
	Chum salmon	*	*			X	X	X	X	X				X	X	X	X	NOV-DEC	DEC-MAR	-	FEB-MAY	OCT-DEC
	Chinook salmon (fall)	*	*			X	X	X	X	X	X	X	X	X	X	X	X	OCT-DEC	OCT-FEB	-	FEB-NOV	AUG-DEC
	Chinook salmon (spring)	*	*			X	X	X	X	X	X	X	X	X	X	X	X	AUG-SEP	SEP-DEC	-	JAN-DEC	JAN-SEP
	Steelhead (summer)	*	*			X	X	X	X	X	X	X	X	X	X	X	X	JAN-JUN	JAN-JUN	-	JAN-DEC	MAR-OCT
	Steelhead (winter)	*	*			X	X	X	X	X	X	X	X	X	X	X	X	DEC-MAR	DEC-JUN	-	JAN-DEC	NOV-MAR
	Bull trout	C	T			X	X	X	X	X	X	X	X	X	X	X	X	SEP-OCT	SEP-JAN	-	JAN-DEC	JAN-DEC
34	Smelt	C		OR	HIGH	X	X	X	X	X	X						X	DEC-APR	JAN-MAR	-	JAN-MAY	DEC-APR
44	Chinook salmon (spring)	*	*		HIGH			X	X	X								-	-	-	-	MAR-MAY
45	White crappie					X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	JAN-DEC
	Smallmouth bass					X	X	X	X	X	X	X	X	X	X	X	X	MAY-JUN	-	-	-	JAN-DEC
	Walleye					X	X	X	X	X	X	X	X	X	X	X	X	MAR-MAY	-	-	-	JAN-DEC
46	Salmon				HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	JAN-DEC	JAN-DEC	JAN-DEC
47	Smelt	C		OR	HIGH	X	X	X	X	X	X						X	DEC-APR	JAN-MAR	-	JAN-MAY	DEC-APR
209	Coho salmon	*	*			X	X	X	X	X	X	X	X	X	X	X	X	OCT-JAN	OCT-MAR	-	JAN-DEC	AUG-JAN
210	Coho salmon	*	*			X	X	X	X	X	X	X	X	X	X	X	X	OCT-JAN	OCT-MAR	-	JAN-DEC	AUG-JAN
	Chinook salmon (fall)	*	*			X	X	X	X	X	X	X	X	X	X	X	X	OCT-DEC	OCT-FEB	-	FEB-NOV	AUG-DEC
213	Chinook salmon (fall)	*	*			X	X	X	X	X	X	X	X	X	X	X	X	OCT-DEC	OCT-FEB	-	FEB-NOV	AUG-DEC

MARINE MAMMAL:

RAR#	Species	S	F	ST	Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Mating	Calving	Pupping	Molting
20	Harbor seal				100-500	X	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-JUL	-

TERRESTRIAL MAMMAL:

RAR#	Species	S	F	ST	Conc.	J	F	M	A	M	J	J	A	S	O	N	D
35	Columbian white-tailed deer	E	E	WA	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X
41	Columbian white-tailed deer	E	E	WA	200	X	X	X	X	X	X	X	X	X	X	X	X

HUMAN USE RESOURCES:

FERRY:

HUN#	Name	Contact	Phone
34	WAHKIAKUM COUNTY PUBLIC WORKS FERRY	WAHKIAKUM COUNTY	

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.