

Straits of Mackinac: Map 17B

BIOLOGICAL RESOURCES:

BENTHIC:

RAR#	Species	S F	Concentration	Mapping Qualifier	Monthly Presence (Jan-Dec)
247	Submerged aquatic vegetation		-	General Distribution	<div><div></div><div></div><div>M</div><div>A</div><div>M</div><div>J</div><div>J</div><div>A</div><div>S</div><div></div><div></div><div></div></div>

BIRD:

RAR#	Species	S F	Concentration	Mapping Qualifier	Monthly Presence (Jan-Dec)	Nesting	Migrating	Molting	
73	Bald eagle	C	-	Vulnerable Occurrence	J F M A M J J A S O N D	Feb-Jul	-	-	-
230	American coot		-	General Distribution	M A M J J A S O N	-	-	-	-
	Black scoter		-	General Distribution	A M O N	-	Apr-May	Oct-Nov	-
	Bufflehead	Common	General Distribution	J F M A M O N D	-	Oct-May	-	-	
	Canvasback	-	General Distribution	J F M A M J J A S O N D	-	-	-	-	
	Common goldeneye	Common	General Distribution	J F M A M J J A S O N D	-	-	-	-	
	Greater scaup	-	General Distribution	J F M A O N D	-	-	-	-	
	Gulls	Common	General Distribution	J F M A M J J A S O N D	-	Jan-Dec	-	-	
	Lesser scaup	-	General Distribution	J F M A O N D	-	-	-	-	
	Long-tailed duck	Abundant	General Distribution	J F M A M O N D	-	Oct-Apr	-	-	
	Loons	-	General Distribution	M A M J J A S O	-	-	-	-	
	Raptors	-	General Distribution	J F M A M J J A S O N D	-	-	-	-	
	Redhead	Abundant	General Distribution	J F M A M J J A S O N D	-	-	-	-	
	Ring-necked duck	-	General Distribution	M A M J J A S O	-	-	-	-	
	White-winged scoter	Common	General Distribution	J F M A M O N D	-	Oct-May	-	-	
231	American black duck	-	General Distribution	J F M A M J J A S O N D	-	-	-	-	
	Bufflehead	Common	General Distribution	J F M A M O N D	-	Oct-May	-	-	
	Canada goose	-	General Distribution	M A M J J A S	-	-	-	-	
	Canvasback	-	General Distribution	J F M A M J J A S O N D	-	-	-	-	
	Common goldeneye	Common	General Distribution	J F M A M J J A S O N D	-	-	-	-	
	Double-crested cormorant	-	General Distribution	M A M J J A S O N	-	Mar-May	Jul-Nov	-	
	Greater scaup	-	General Distribution	J F M A O N D	-	-	-	-	
	Green-winged teal	-	General Distribution	M A M J J A S O N	-	Mar-May	Sep-Nov	-	
	Gulls	Common	General Distribution	J F M A M J J A S O N D	-	Jan-Dec	-	-	
	Hérons	-	General Distribution	M A M J J A S O	-	-	-	-	
	Lesser scaup	-	General Distribution	J F M A O N D	-	-	-	-	
	Long-tailed duck	-	General Distribution	J F M A M O N D	-	Oct-Apr	-	-	
	Loons	-	General Distribution	M A M J J A S O	-	-	-	-	
	Mallard	-	General Distribution	J F M A M J J A S O N D	-	-	-	-	
	Mergansers	-	General Distribution	J F M A M J J A S O N D	-	-	-	-	
	Redhead	Abundant	General Distribution	J F M A M J J A S O N D	-	-	-	-	
	Ring-necked duck	-	General Distribution	M A M J J A S O	-	-	-	-	
	Swans	-	General Distribution	M A O N D	-	-	-	-	
	Terns	-	General Distribution	A M J J A S O	-	-	-	-	
	Wood duck	-	General Distribution	M A M J J A S O N	-	-	-	-	

FISH:

RAR#	Species	S F	Concentration	Mapping Qualifier	Monthly Presence (Jan-Dec)	Spawning	Eggs	Larvae	Juveniles	Adults		
180	Cisco		-	Spawning Area	J F M A M J J A S O N D	Nov-Dec	-	-	-	Jan-Dec		
	Lake trout		-	Spawning Area	J F M A M J J A S O N D	Oct-Nov	-	-	-	Jan-Dec		
	Lake whitefish		-	Spawning Area	J F M A M J J A S O N D	Nov-Dec	-	-	-	Jan-Dec		
	Round whitefish (menomonee)		-	Spawning Area	J F M A M J J A S O N D	Oct-Nov	-	Oct-Apr	Mar-Apr	Jan-Dec		
187	Cisco		-	Spawning Area	J F M A M J J A S O N D	Nov-Dec	-	-	-	Jan-Dec		
	Lake trout		-	Spawning Area	J F M A M J J A S O N D	Oct-Nov	-	-	-	Jan-Dec		
	Lake whitefish		-	Spawning Area	J F M A M J J A S O N D	Nov-Dec	-	-	-	Jan-Dec		
	Rainbow smelt		-	Spawning Area	J F M A M J J A S O N D	Apr-May	-	-	Apr-Sep	-	Jan-Dec	
	Round whitefish (menomonee)		-	Spawning Area	J F M A M J J A S O N D	Oct-Nov	-	Oct-Apr	Mar-Apr	Jan-Dec	Jan-Dec	
	Alewife		-	Spawning Area	J F M A M J J A S O N D	May-Jul	-	-	May-Aug	-	Jan-Dec	
	Cisco		-	Spawning Area	J F M A M J J A S O N D	Nov-Dec	-	-	-	-	Jan-Dec	
	Lake trout		-	Spawning Area	J F M A M J J A S O N D	Oct-Nov	-	-	-	-	Jan-Dec	
	Lake whitefish		-	Spawning Area	J F M A M J J A S O N D	Nov-Dec	-	-	-	-	Jan-Dec	
	Round whitefish (menomonee)		-	Spawning Area	J F M A M J J A S O N D	Oct-Nov	-	Oct-Apr	Mar-Apr	Jan-Dec	Jan-Dec	
	233	Alewife		-	General Distribution	J F M A M J J A S O N D	May	-	-	-	-	Jan-Dec
		Atlantic salmon		-	General Distribution	J F M A M J J A S O N D	-	-	-	-	-	Jan-Dec
Chinook salmon			-	General Distribution	J F M A M J J A S O N D	-	-	-	-	Sep-Jul	Jan-Dec	
Cisco			-	General Distribution	J F M A M J J A S O N D	Nov-Dec	-	Nov-Apr	Mar-Apr	Jan-Dec	Jan-Dec	
	Coho salmon		-	General Distribution	J F M A M J J A S O N D	-	-	-	-	Sep-Jul	Jan-Dec	
	Lake sturgeon	T	-	General Distribution	J F M A M J J A S O N D	Apr-May	-	Apr-Aug	Apr-Aug	Jan-Dec	Jan-Dec	
	Lake trout		-	General Distribution	J F M A M J J A S O N D	Nov	-	Nov-Apr	Mar-Apr	Jan-Dec	Jan-Dec	
	Lake whitefish		-	General Distribution	J F M A M J J A S O N D	Nov-Dec	-	Nov-Apr	Mar-Apr	Jan-Dec	Jan-Dec	
	Longnose sucker		-	General Distribution	J F M A M J J A S O N D	Apr-May	-	Apr-Aug	Apr-Aug	Jan-Dec	Jan-Dec	
	Northern pike		-	General Distribution	J F M A M J J A S O N D	Apr	-	-	-	-	Jan-Dec	
	Rainbow smelt		-	General Distribution	J F M A M J J A S O N D	Apr-May	-	-	Apr-Sep	-	Jan-Dec	
	Round goby		-	General Distribution	J F M A M J J A S O N D	-	-	-	-	-	Jan-Dec	
	Smallmouth bass		-	General Distribution	J F M A M J J A S O N D	May-Jun	-	May-Jul	-	-	Jan-Dec	
	Steelhead		-	General Distribution	J F M A M J J A S O N D	-	-	-	-	Sep-Jul	Jan-Dec	
	Walleye		-	General Distribution	J F M A M J J A S O N D	Apr-May	-	-	Jan-Dec	Jan-Dec	Jan-Dec	
	White sucker		-	General Distribution	J F M A M J J A S O N D	Apr-May	-	Apr-Aug	Apr-Aug	Jan-Dec	Jan-Dec	
	Yellow perch		-	General Distribution	J F M A M J J A S O N D	Apr-May	-	-	-	-	Jan-Dec	
	235	Alewife		-	General Distribution	J F M A M J J A S O N D	-	-	-	-	-	Jan-Dec
		Atlantic salmon		-	General Distribution	J F M A M J J A S O N D	-	-	-	-	-	Jan-Dec
		Bloater		-	General Distribution	J F M A M J J A S O N D	Nov-Dec	-	Nov-Apr	Mar-Apr	Jan-Dec	Jan-Dec
Burbot			-	General Distribution	J F M A M J J A S O N D	-	-	-	-	-	Jan-Dec	
	Chinook salmon		-	General Distribution	J F M A M J J A S O N D	-	-	-	-	Jan-Dec	Jan-Dec	
	Cisco		-	General Distribution	J F M A M J J A S O N D	-	-	-	-	Jan-Dec	Jan-Dec	
	Coho salmon		-	General Distribution	J F M A M J J A S O N D	-	-	-	-	Jan-Dec	Jan-Dec	
	Lake sturgeon	T	-	General Distribution	J F M A M J J A S O N D	-	-	-	-	Jan-Dec	Jan-Dec	
	Lake trout		-	General Distribution	J F M A M J J A S O N D	Nov	-	Nov-Apr	Mar-Apr	Jan-Dec	Jan-Dec	
	Lake whitefish		-	General Distribution	J F M A M J J A S O N D	Nov-Dec	-	Nov-Apr	Mar-Apr	Jan-Dec	Jan-Dec	
	Longnose sucker		-	General Distribution	J F M A M J J A S O N D	-	-	-	-	Jan-Dec	Jan-Dec	
	Northern pike		-	General Distribution	J F M A M J J A S O N D	-	-	-	-	-	Jan-Dec	
	Rainbow smelt		-	General Distribution	J F M A M J J A S O N D	-	-	-	-	-	Jan-Dec	
	Round whitefish (menomonee)		-	General Distribution	J F M A M J J A S O N D	Oct-Nov	-	Oct-Apr	Mar-Apr	Jan-Dec	Jan-Dec	
	Steelhead		-	General Distribution	J F M A M J J A S O N D	-	-	-	-	Jan-Dec	Jan-Dec	
	Walleye		-	General Distribution	J F M A M J J A S O N D	-	-	-	-	-	Jan-Dec	
	White sucker		-	General Distribution	J F M A M J J A S O N D	-	-	-	-	Jan-Dec	Jan-Dec	
	Yellow perch		-	General Distribution	J F M A M J J A S O N D	-	-	-	-	-	Jan-Dec	
	237	Alewife		-	General Distribution	J F M A M J J A S O N D	-	-	-	-	-	Jan-Dec
		Atlantic salmon		-	General Distribution	J F M A M J J A S O N D	-	-	-	-	-	Jan-Dec
Bloater			-	General Distribution	J F M A M J J A S O N D	Dec	-	Dec-Apr	-	-	Jan-Dec	
Burbot			-	General Distribution	J F M A M J J A S O N D	-	-	-	-	-	Jan-Dec	
	Chinook salmon		-	General Distribution	J F M A M J J A S O N D	-	-	-	-	Jan-Dec	Jan-Dec	
	Cisco		-	General Distribution	J F M A M J J A S O N D	-	-	-	-	Jan-Dec	Jan-Dec	
	Coho salmon		-	General Distribution	J F M A M J J A S O N D	-	-	-	-	Jan-Dec	Jan-Dec	
	Deepwater sculpin		-	General Distribution	J F M A M J J A S O N D	-	-	-	-	-	Jan-Dec	
	Lake sturgeon	T	-	General Distribution	J F M A M J J A S O N D	-	-	-	-	-	Jan-Dec	
	Lake trout		-	General Distribution	J F M A M J J A S O N D	-	-	-	-	Jan-Dec	Jan-Dec	
	Lake whitefish		-	General Distribution	J F M A M J J A S O N D	-	-	-	-	Jan-Dec	Jan-Dec	
	Rainbow smelt		-	General Distribution	J F M A M J J A S O N D	-	-	-	-	-	Jan-Dec	
	Steelhead		-	General Distribution	J F M A M J J A S O N D	-	-	-	-	Jan-Dec	Jan-Dec	
	253	Cisco		-	Spawning Area	J F M A M J J A S O N D	Nov-Dec	-	-	-	-	Jan-Dec
		Lake trout		-	Spawning Area	J F M A M J J A S O N D	Nov	-	Nov-Apr	Mar-Apr	Jan-Dec	Jan-Dec

Straits of Mackinac: Map 17B (cont.)

BIOLOGICAL RESOURCES: (cont.)

FISH (cont.):

RAR#	Species	S	F	Concentration	Mapping Qualifier	Monthly Presence (Jan-Dec)												Spawning		Eggs	Larvae	Juveniles	Adults
348	Lake whitefish			-	Spawning Area	J	F	M	A	M	J	J	A	S	O	N	D	Nov-Dec	-	-	-	-	Jan-Dec
	Round whitefish (menomonee)			-	Spawning Area	J	F	M	A	M	J	J	A	S	O	N	D	Oct-Nov	-	Oct-Apr	Mar-Apr	Jan-Dec	Jan-Dec
	Atlantic salmon			-	Spawning Area	J	F	M	A	M	J			S	O	N	D	Sep-Oct	-	Sep-Jun	Sep-Jun	Sep-Jun	Sep-Oct
	Burbot			-	Spawning Area	J	F	M	A	M	J	J	A	S	O	N	D	Feb	-	-	-	-	Jan-Dec
	Chinook salmon			Stocked	Concentration Area	J	F	M	A	M	J			S	O	N	D	Sep-Oct	-	Sep-Jun	Sep-Jun	Sep-Jun	Sep-Oct
	Coho salmon			-	Spawning Area	J	F	M	A	M	J			S	O	N	D	Sep-Oct	-	Sep-Jun	Sep-Jun	Sep-Jun	Sep-Oct
	Rainbow smelt			-	Spawning Area				A	M	J	J	A	S				Apr-May	-	Apr-May	Apr-Sep	Apr-Sep	Apr-May
	Walleye			-	Spawning Area	J	F	M	A	M	J	J	A	S	O	N	D	Apr-May	-	-	Jan-Dec	Jan-Dec	Jan-Dec

HABITAT:

RAR#	Species	S	F	Concentration	Mapping Qualifier	Monthly Presence (Jan-Dec)											
96	Federally threatened plant	T	T	-	Vulnerable Occurrence	J	F	M	A	M	J	J	A	S	O	N	D
111	Threatened plant	T		-	Vulnerable Occurrence	J	F	M	A	M	J	J	A	S	O	N	D

HERPETOFAUNA:

RAR#	Species	S	F	Concentration	Mapping Qualifier	Monthly Presence (Jan-Dec)												Nesting	Hatching	Internest	Juveniles	Adults
72	Eastern massasauga	C	T	-	Vulnerable Occurrence			M	A	M	J	J	A	S	O			Aug-Sep	-	-	-	-
234	Mudpuppy		C	-	General Distribution	J	F	M	A	M	J	J	A	S	O	N	D	Mar-Jun	Apr-Jul	-	Jan-Dec	Jan-Dec
236	Mudpuppy		C	-	General Distribution	J	F	M	A	M	J	J	A	S	O	N	D	-	-	-	Jan-Dec	Jan-Dec
268	Sensitive herpetofauna			-	Vulnerable Occurrence	J	F	M	A	M	J	J	A	S	O	N	D	-	-	-	-	-