



Map 7A
Straits of Mackinac



SEE BACK OF MAP
for details about mapped species and
other species that occur in mapped area.
Data Published: October 2019

0 Not for Navigation 1 Miles
0 1 Kilometers

1:50,000



Straits of Mackinac: Map 7A

BIOLOGICAL RESOURCES:

BENTHIC:

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

BIRD:

RAR#	Species	S F	Concentration	Mapping Qualifier	Monthly Presence (Jan-Dec)												Nesting	Migrating		Molting	
38	Black-crowned night-heron	C	2-7 Nests	Nesting			A	M	J	J	A	S	O			May-Aug	-	-	-		
	Double-crested cormorant		108 Nests	Nesting			A	M	J	J	A	S				May-Aug	-	-	-		
	Great blue heron		5-7 Nests	Nesting			M	A	M	J	J	A	S	O			Apr-Jul	-	-	-	
	Herring gull		7-111 Nests	Nesting	J	F	M	A	M	J	J	A	S	O	N	D		Apr-Jul	-	-	-
42	Herring gull		119 Nests	Nesting	J	F	M	A	M	J	J	A	S	O	N	D		Apr-Jul	-	-	-
51	Caspian tern	T	28 Nests	Nesting			A	M	J	J	A	S				May-Sep	-	-	-		
	Herring gull		1 Nest	Nesting	J	F	M	A	M	J	J	A	S	O	N	D		Apr-Jul	-	-	-
	Ring-billed gull		2427 Nests	Nesting			A	M	J	J	A	S	O				Apr-Aug	-	-	-	
67	Herring gull		183 Nests	Nesting	J	F	M	A	M	J	J	A	S	O	N	D		Apr-Jul	-	-	-
73	Bald eagle	C	-	Vulnerable Occurrence	J	F	M	A	M	J	J	A	S	O	N	D		Feb-Jul	-	-	-
94	Common tern	T	-	Vulnerable Occurrence			A	M	J	J	A	S				May-Sep	-	-	-		
103	American bittern	C	-	Vulnerable Occurrence			M	A	M	J	J	A	S	O	N		Apr-Jul	-	-	-	
119	Northern harrier	C	-	Vulnerable Occurrence			M	A	M	J	J	A	S	O	N		Apr-Jul	Mar-Apr	Aug-Nov	-	
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
142	Walleye		-	Spawning Area	J	F	M	A	M	J	J	A	S	O	N	D	Mar-Jun	-	-	-	-	Jan-Dec
210	Alewife		-	Spawning Area	J	F	M	A	M	J	J	A	S	O	N	D	May-Jul	-	-	May-Aug	-	Jan-Dec
	Bloater		-	Spawning Area	J	F	M	A	M	J	J	A	S	O	N	D	Oct-Feb	-	-	-	-	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
	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
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

Straits of Mackinac: Map 7A (cont.)

BIOLOGICAL RESOURCES: (cont.)

FISH (cont.):

RAR#	Species	S	F	Concentration	Mapping Qualifier	Monthly Presence (Jan-Dec)												Spawning		Eggs	Larvae	Juveniles	Adults
331	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
	Atlantic salmon			High	Concentration Area	J	F	M	A	M	J	J	A	S	O	N	D	-	-	-	-	-	Jan-Dec
	Chinook salmon			High	Concentration Area	J	F	M	A	M	J	J	A	S	O	N	D	-	-	-	-	Sep-Jul	Jan-Dec
	Cisco			High	Concentration Area	J	F	M	A	M	J	J	A	S	O	N	D	Nov-Dec	-	Nov-Apr	Mar-Apr	Jan-Dec	Jan-Dec
	Lake sturgeon	T		High	Concentration Area	J	F	M	A	M	J	J	A	S	O	N	D	May-Jun	-	-	-	-	Jan-Dec
	Lake trout			High	Concentration Area	J	F	M	A	M	J	J	A	S	O	N	D	Nov	-	Nov-Apr	Mar-Apr	Jan-Dec	Jan-Dec
	Lake whitefish			High	Concentration Area	J	F	M	A	M	J	J	A	S	O	N	D	Nov-Dec	-	Nov-Apr	Mar-Apr	Jan-Dec	Jan-Dec
	Northern pike			High	Concentration Area	J	F	M	A	M	J	J	A	S	O	N	D	Apr	-	-	-	-	Jan-Dec
	Smallmouth bass			High	Concentration Area	J	F	M	A	M	J	J	A	S	O	N	D	May-Jun	-	May-Jul	-	-	Jan-Dec
	Steelhead			High	Concentration Area	J	F	M	A	M	J	J	A	S	O	N	D	-	-	-	-	Sep-Jul	Jan-Dec
	Walleye			High	Concentration Area	J	F	M	A	M	J	J	A	S	O	N	D	Apr-May	-	-	Jan-Dec	Jan-Dec	Jan-Dec
	Yellow perch			High	Concentration Area	J	F	M	A	M	J	J	A	S	O	N	D	Apr-May	-	-	-	-	Jan-Dec

HABITAT:

RAR#	Species	S	F	Concentration	Mapping Qualifier	Monthly Presence (Jan-Dec)											
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
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	-	-	-	-	-