

Table 2. Summary of 2007 ruffe surveillance and other reported fish sampling effort in Lake Michigan.

Location	Agency	Effort *	Gear	Date	Ave. btm. Temp (°C)	Ave. depth (m)	Ruffe
Ruffe surveillance							
Fox River (southern Green Bay)	FWS	16.0	BT-4.9	8/9/07		7.6	
Totals							Ruffe
		0.3 hours	BT-4.9				0
Total ruffe (ruffe surveillance)							0
Reported fish sampling capable of capturing ruffe incidentally							
Big Bay de Noc	MIDNR	200	BT	May-Sep/07			
Big Bay de Noc	MIDNR	293 meters	GN	May-Sep/07			
Big Bay de Noc	MIDNR	6585 meters	GN-25,38,50	Sep/Oct/07			
Big Manistee River	FWS/LBS	98 trapnights	PAT	4/24-6/12/07	15.3	0.5	
Boardman River	GTBOCI	71 trapnights	PAT	4/16-6/26/07	17.0 (S)	0.5	
Carp Lake Outlet	LTBBOI	51 trapnights	PT	4/25-6/15/07	14.6 (S)	0.8	
Deer Creek	PC	108 trapnights	PAT	4/23-6/16/07	16.4	0.5	
East Twin River	PC	51 trapnights	PAT	4/19-6/9/07	15.3 (S)	0.5	
Green Bay (Near Marinette, WI)***	WIDNR/CF		Trapnet	May, 07			1
Gr. Trav. Bay (Bowers Harbor)	ISEA	20	BT-4.9	6/15 & 8/14/07		7.7	
Gr. Trav. Bay (Omena Bay)	ISEA	50	BT-4.9	7/31-9/19/07		9.9	
Gr. Trav. Bay (Suttons Bay)	ISEA	1080	BT-4.9	4/27-10/9/07		8.4	
Gr. Trav. Bay (West Arm)	ISEA	700	BT-4.9	5/1-10/4/07		9.5	
Hog Island Creek	PC	59 trapnights	FN	4/18-6/16/07	14.0	0.5-1.0	
Little Bay de Noc	ISEA	140	BT-4.9	7/10-15/07		8.1	
Little Bay de Noc	MIDNR	200	BT	May/Sep/07			
Little Bay de Noc**	MIDNR	293 meters	GN	May/Sep/07		6.1	3
Little Bay de Noc**	MIDNR	2195 meters	GN-25,38,50	Sep/Oct/07		3.4	10
Manistique River	FWS/MBS	36 trapnights	MT	5/8-6/13/07	16.7	0.5	
Near-shore/Off-shore	USGS	710	BT-12	Sep-07	7.5-21.4	5.0-110.0	
Ogontz River	PC	53 trapnights	FN	4/23-6/15/07	14.3	0.5-1.0	
St. Joseph River	PC	116 trapnights	PAT	4/4-6/1/07	14.9 (S)	0.5	
Totals							Ruffe
		6.67 hours	BT				0
		33.17 hours	BT-4.9				0
		11.83 hours	BT-12				0
		112 trapnights	FN				0
		531 trapnights+	Traps				1
		586 meters	GN				3
		8780 meters	GN-25,38,50				10
Total ruffe (reported sampling capable of capturing ruffe incidentally)							14
Total ruffe (ruffe surveillance)							0
Total ruffe (all reported sampling capable of capturing ruffe)							14

Key to agency:

FWS = U.S. Fish & Wildlife Service
 USGS = U.S. Geological Survey
 CF=Commercial Fisherman
 GTBOCI = Grand Traverse Band of Ottawa and Chippewa Indians
 ISEA = Inland Seas Education Association
 LBS = Ludington Biological Station - FWS
 LTBBOI = Little Traverse Bay Band of Ottawa Indians
 MBS = Marquette Biological Station - FWS
 MIDNR = Michigan Department of Natural Resources
 PC = Private contractor

Key to gear:

BT = Bottom trawl
 BT-4.9 = BT (4.9 m headrope)
 BT-12 = BT (12 m headrope)
 FN = Fyke net
 GN = Gill Net
 GN-25 = Gill net (25 mm stretch mesh)
 GN-38 = Gill net (38 mm stretch mesh)
 GN-50 = Gill net (50 mm stretch mesh)
 MT = Mechanical trap
 PAT = Portable assessment trap
 PT = Permanent trap

Key to symbols:

* = Unless specified, effort is in minutes trawl was on bottom
 ** = Locations where ruffe were captured
 *** = New ruffe discovery
 (S) = Surface temperature