



RE: Merrimack Station Report

John A Magee to: Ericp Nelson

Cc: andrew_major, "Andrews, Jeff", John King, John_Warner,
"Estabrook, Robert"

NHFGD 2006

Admin
176

54

09/01/2009 04:22 PM

History: This message has been replied to.

2 attachments



NHFGD fish survey sites in 2006.jpg 2006 NHFGD Fish survey data.xls

Attached is a map of the 2006 NHFGD fish survey locations and an excel spreadsheet with the location and fish data.

John

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"People seldom do what they believe in. They do what is convenient, then repent." - Bob Dylan

"Think glacially, act presently" - unknown

-----Original Message-----

From: nelson.ericp@epamail.epa.gov [mailto:nelson.ericp@epamail.epa.gov]

Sent: Tuesday, August 18, 2009 11:23 AM

To: nelson.ericp@epamail.epa.gov

Cc: andrew_major@fws.gov; Andrews, Jeff; king.john@epamail.epa.gov; John A Magee; John_Warner@fws.gov; Estabrook, Robert

Subject: RE: Merrimack Station Report

Greetings:

Hot enough for you? Not me. I'm going to head out for a noon-time run on sizzling Boston asphalt and suck in some freshly-made ground ozone. It looks like the weather is going to cooperate this Thursday so John K. and I can get offshore and chase tuna. That means we're on for next week's meeting to discuss Merrimack Station's latest fish report. Hopefully, each agency has received a copy by now and you've had a chance to look at it. John W. has reserved the USFWS conference room for 12:00 to 3:00, Thursday, August 27. Thanks, John. I guess we should plan to bring a lunch to the meeting, or eat before. Holding meetings in Concord lost some of its appeal when Foodies closed. It's definitely time to complete this permit.

I hope as many folks can make it to the meeting as possible, but I realize that some of you are not available. See most of you next week.

Eric



Fish survey site 2
NHFGD fish survey site 3

NHFGD fish survey site 1

London

Concord

Bradley's Island
Horseshoe Island

Gover Rd

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Date	Time	Project	Water_Boc Site_Name	Catchment	Town	TNCWGS	Thermolog	UTM #1	UTM #2	Lat_DD	Long_DD
20060807	1015	WAP	Merrimack River		Concord			19 304170	4834760	43.2234	-71.5215
20060814	1430	WAP	Merrimack River		Boscawen			19 307431	4957292	43.3159	-71.6154
20080827	1300	WAP	Merrimack	Approximately 1.5 rive	Boscawen					43.31102	-71.598

Lat_DMS	Long_DMS	Gear	Act_ID	Data comments
		Efish	20060807-1015-WAP-Merrimack	River-Efish
		Seine	20060814-1430-WAP-Merrimack	River-Seine
		Seine	20080827-	Some aquatic veg along river right bank at south end of first major bend in Rive downstream of old Dep

20060807-1015-WAP-Merrimack River-Efish	38936	1015 WAP	Merrimack River	LMB	47	1
20060807-1015-WAP-Merrimack River-Efish	38936	1015 WAP	Merrimack River	LMB	45	1
20060807-1015-WAP-Merrimack River-Efish	38936	1015 WAP	Merrimack River	CS	56	1
20060807-1015-WAP-Merrimack River-Efish	38936	1015 WAP	Merrimack River	BC	44	1
20060807-1015-WAP-Merrimack River-Efish	38936	1015 WAP	Merrimack River	LMB	46	1
20060807-1015-WAP-Merrimack River-Efish	38936	1015 WAP	Merrimack River	LMB	62	1
20060807-1015-WAP-Merrimack River-Efish	38936	1015 WAP	Merrimack River	BC	45	1
20060807-1015-WAP-Merrimack River-Efish	38936	1015 WAP	Merrimack River	LMB	45	1
20060807-1015-WAP-Merrimack River-Efish	38936	1015 WAP	Merrimack River	LMB	42	1
20060807-1015-WAP-Merrimack River-Efish	38936	1015 WAP	Merrimack River	LMB	60	1
20060807-1015-WAP-Merrimack River-Efish	38936	1015 WAP	Merrimack River	LMB	66	1
20060807-1015-WAP-Merrimack River-Efish	38936	1015 WAP	Merrimack River	YP	173	1
20060807-1015-WAP-Merrimack River-Efish	38936	1015 WAP	Merrimack River	BH	255	1
20060807-1015-WAP-Merrimack River-Efish	38936	1015 WAP	Merrimack River	YP	154	1
20060807-1015-WAP-Merrimack River-Efish	38936	1015 WAP	Merrimack River	YP	115	1
20060814-1430-WAP-Merrimack River-Seine	38943	1430 WAP	Merrimack River	CS	30	1
20060814-1430-WAP-Merrimack River-Seine	38943	1430 WAP	Merrimack River	CS	33	1
20060814-1430-WAP-Merrimack River-Seine	38943	1430 WAP	Merrimack River	CS	33	1
20060814-1430-WAP-Merrimack River-Seine	38943	1430 WAP	Merrimack River	CS	33	1
20060814-1430-WAP-Merrimack River-Seine	38943	1430 WAP	Merrimack River	CS	31	1
20060814-1430-WAP-Merrimack River-Seine	38943	1430 WAP	Merrimack River	CS	34	1
20060814-1430-WAP-Merrimack River-Seine	38943	1430 WAP	Merrimack River	CS	30	1
20060814-1430-WAP-Merrimack River-Seine	38943	1430 WAP	Merrimack River	CS	34	1
20060814-1430-WAP-Merrimack River-Seine	38943	1430 WAP	Merrimack River	CS	33	1
20060814-1430-WAP-Merrimack River-Seine	38943	1430 WAP	Merrimack River	CS	32	1
20060814-1430-WAP-Merrimack River-Seine	38943	1430 WAP	Merrimack River	FF	35	1
20060814-1430-WAP-Merrimack River-Seine	38943	1430 WAP	Merrimack River	FF	35	1
20060814-1430-WAP-Merrimack River-Seine	38943	1430 WAP	Merrimack River	FF	35	1
20060814-1430-WAP-Merrimack River-Seine	38943	1430 WAP	Merrimack River	FF	32	1
20060814-1430-WAP-Merrimack River-Seine	38943	1430 WAP	Merrimack River	FF	34	1
20060814-1430-WAP-Merrimack River-Seine	38943	1430 WAP	Merrimack River	FF	36	1
20060814-1430-WAP-Merrimack River-Seine	38943	1430 WAP	Merrimack River	FF	34	1
20060814-1430-WAP-Merrimack River-Seine	38943	1430 WAP	Merrimack River	FF	38	1
20060814-1430-WAP-Merrimack River-Seine	38943	1430 WAP	Merrimack River	FF	44	1
20060814-1430-WAP-Merrimack River-Seine	38943	1430 WAP	Merrimack River	FF	36	1
20060814-1430-WAP-Merrimack River-Seine	38943	1430 WAP	Merrimack River	FF	36	1
20080827-1300-WAP-Merrimack River-Seine	20080827	1300 WAP	Merrimack River	Unknown	34	1
			Merrimack Approxima	FF		250+

Act_ID	Date	Time	Project	Waterbody Site_Name	Species	Length mm	Weight g	Total_Num
20060807-1015-WAP-Merrimack River-Efish	38936	1015	WAP	Merrimack River	YP	266		1
20060807-1015-WAP-Merrimack River-Efish	38936	1015	WAP	Merrimack River	BG	86		1
20060807-1015-WAP-Merrimack River-Efish	38936	1015	WAP	Merrimack River	BG	193		1
20060807-1015-WAP-Merrimack River-Efish	38936	1015	WAP	Merrimack River	BG	122		1
20060807-1015-WAP-Merrimack River-Efish	38936	1015	WAP	Merrimack River	BG	78		1
20060807-1015-WAP-Merrimack River-Efish	38936	1015	WAP	Merrimack River	BG	74		1
20060807-1015-WAP-Merrimack River-Efish	38936	1015	WAP	Merrimack River	BG	71		1
20060807-1015-WAP-Merrimack River-Efish	38936	1015	WAP	Merrimack River	BG	72		1
20060807-1015-WAP-Merrimack River-Efish	38936	1015	WAP	Merrimack River	BG	78		1
20060807-1015-WAP-Merrimack River-Efish	38936	1015	WAP	Merrimack River	BG	56		1
20060807-1015-WAP-Merrimack River-Efish	38936	1015	WAP	Merrimack River	BG	66		1
20060807-1015-WAP-Merrimack River-Efish	38936	1015	WAP	Merrimack River	CSF	173		1
20060807-1015-WAP-Merrimack River-Efish	38936	1015	WAP	Merrimack River	CSF	94		1
20060807-1015-WAP-Merrimack River-Efish	38936	1015	WAP	Merrimack River	CSF	126		1
20060807-1015-WAP-Merrimack River-Efish	38936	1015	WAP	Merrimack River	CSF	86		1
20060807-1015-WAP-Merrimack River-Efish	38936	1015	WAP	Merrimack River	CSF	92		1
20060807-1015-WAP-Merrimack River-Efish	38936	1015	WAP	Merrimack River	ECP	86		1
20060807-1015-WAP-Merrimack River-Efish	38936	1015	WAP	Merrimack River	ECP	111		1
20060807-1015-WAP-Merrimack River-Efish	38936	1015	WAP	Merrimack River	ECP	300+		1
20060807-1015-WAP-Merrimack River-Efish	38936	1015	WAP	Merrimack River	ECP	81		1
20060807-1015-WAP-Merrimack River-Efish	38936	1015	WAP	Merrimack River	ECP	105		1
20060807-1015-WAP-Merrimack River-Efish	38936	1015	WAP	Merrimack River	ECP	308		1
20060807-1015-WAP-Merrimack River-Efish	38936	1015	WAP	Merrimack River	ECP	104		1
20060807-1015-WAP-Merrimack River-Efish	38936	1015	WAP	Merrimack River	YP	175		1
20060807-1015-WAP-Merrimack River-Efish	38936	1015	WAP	Merrimack River	YP	116		1
20060807-1015-WAP-Merrimack River-Efish	38936	1015	WAP	Merrimack River	YP	136		1
20060807-1015-WAP-Merrimack River-Efish	38936	1015	WAP	Merrimack River	YP	146		1
20060807-1015-WAP-Merrimack River-Efish	38936	1015	WAP	Merrimack River	YP	123		1
20060807-1015-WAP-Merrimack River-Efish	38936	1015	WAP	Merrimack River	BC	50		1
20060807-1015-WAP-Merrimack River-Efish	38936	1015	WAP	Merrimack River	CS	80		1
20060807-1015-WAP-Merrimack River-Efish	38936	1015	WAP	Merrimack River	BC	58		1
20060807-1015-WAP-Merrimack River-Efish	38936	1015	WAP	Merrimack River	GS	105		1
20060807-1015-WAP-Merrimack River-Efish	38936	1015	WAP	Merrimack River	LMB	49		1
20060807-1015-WAP-Merrimack River-Efish	38936	1015	WAP	Merrimack River	BC	38		1
20060807-1015-WAP-Merrimack River-Efish	38936	1015	WAP	Merrimack River	BC	46		1
20060807-1015-WAP-Merrimack River-Efish	38936	1015	WAP	Merrimack River	LMB	66		1

20080827-1300-WAP-Merrimack River-Seine	20080827	1300 WAP	Merrimack Approxima CS
20080827-1300-WAP-Merrimack River-Seine	20080827	1300 WAP	Merrimack Approxima GS
20080827-1300-WAP-Merrimack River-Seine	20080827	1300 WAP	Merrimack Approxima YP
20080827-1300-WAP-Merrimack River-Seine	20080827	1300 WAP	Merrimack Approxima LMB
20080827-1300-WAP-Merrimack River-Seine	20080827	1300 WAP	Merrimack Approxima CWS
20080827-1300-WAP-Merrimack River-Seine	20080827	1300 WAP	Merrimack Approxima CSF
20080827-1300-WAP-Merrimack River-Seine	20080827	1300 WAP	Merrimack Approxima BG

1	1	LMB	Good
1	1	LMB	Good
1	1	CS	Good
1	1	BC	Good
1	1	LMB	Good
1	1	LMB	Good
1	1	BC	Good
1	1	LMB	Good
1	1	LMB	Good
1	1	LMB	Good
1	1	LMB	Good
1	1	LMB	Good
1	1	YP	Good
1	1	YP	Good
1	1	BBH	Good
1	1	YP	Good
1	1	YP	Good
1	1	CS	Good
1	1	CS	Good
1	1	CS	Good
1	1	CS	Good
1	1	CS	Good
1	1	CS	Good
1	1	CS	Good
1	1	CS	Good
1	1	CS	Good
1	1	CS	Good
1	1	FF	Good
1	1	FF	Good
1	1	FF	Good
1	1	FF	Good
1	1	FF	Good
1	1	FF	Good
1	1	FF	Good
1	1	FF	Good
1	1	Unknown	Good

Either YOY FF or CS
Species present.

Species present.
Species present.
Species present. (abundant)
Species present. (abundant)
Species present.
Species present.
Species present.
Species present.

at Street Bridge. No bridle shiners found. Approximate location of 1938 survey.

nents

4.0 to 5.0
1000
1000
1000
Graphical Index
Graphical Index
1000
1000
1000

FF or CS

sent.

sent.

sent.

sent. (abundant)

sent. (abundant)

sent.

sent.

sent.

Age	Gut	Genetic Sa	Tiss_analy	Sec_Num	Pit_Tag_Nr	Spp_Categ	Spp_Checl	Data	Comn
						YP	Good		
						BG	Good		
						BG	Good		
						BG	Good		
						BG	Good		
						BG	Good		
						BG	Good		
						BG	Good		
						BG	Good		
						BG	Good		
						BG	Good		
						BG	Good		
						BG	Good		
						CSF	Good		
						CSF	Good		
						CSF	Good		
						CSF	Good		
						CSF	Good		
						ECP	Good		
						ECP	Good		
						ECP	Good		
						ECP	Good		
						ECP	Good		
						ECP	Good		
						ECP	Good		
						ECP	Good		
						ECP	Good		
						ECP	Good		
						YP	Good		
						YP	Good		
						YP	Good		
						YP	Good		
						YP	Good		
						YP	Good		
						BC	Good		
						CS	Good		
						BC	Good		
						GS	Good		
						LMB	Good		
						BC	Good		
						BC	Good		
						LMB	Good		
						LMB	Good		
						LMB	Good		
						CS	Good		
						BC	Good		
						LMB	Good		
						LMB	Good		
						BC	Good		
						LMB	Good		
						LMB	Good		
						LMB	Good		
						LMB	Good		
						YP	Good		
						BBH	Good		
						YP	Good		
						YP	Good		

CS	30	1	1	1
CS	33	1	1	1
CS	33	1	1	1
CS	33	1	1	1
CS	31	1	1	1
CS	34	1	1	1
CS	30	1	1	1
CS	34	1	1	1
CS	33	1	1	1
CS	32	1	1	1
FF	35	1	1	1
FF	35	1	1	1
FF	32	1	1	1
FF	34	1	1	1
FF	36	1	1	1
FF	34	1	1	1
FF	38	1	1	1
FF	44	1	1	1
FF	36	1	1	1
FF	34	1	1	1
Unknown		250+	1	1
FF				
CS				
GS				
YP				
LMB				
CWS				
CSF				
BG				

Species	Length mrr	Weight g	Total_Num	T_Num_Rt	Run_Num	Clip_obs	Clip_Admir	Scales
YP	266		1	1	1			
BG	86		1	1	1			
BG	193		1	1	1			
BG	122		1	1	1			
BG	78		1	1	1			
BG	74		1	1	1			
BG	71		1	1	1			
BG	72		1	1	1			
BG	78		1	1	1			
BG	56		1	1	1			
BG	66		1	1	1			
CSF	173		1	1	1			
CSF	94		1	1	1			
CSF	126		1	1	1			
CSF	86		1	1	1			
CSF	92		1	1	1			
ECP	86		1	1	1			
ECP	111		1	1	1			
ECP	300+		1	1	1			
ECP	81		1	1	1			
ECP	105		1	1	1			
ECP	308		1	1	1			
ECP	104		1	1	1			
YP	175		1	1	1			
YP	116		1	1	1			
YP	136		1	1	1			
YP	146		1	1	1			
YP	123		1	1	1			
BC	50		1	1	1			
CS	80		1	1	1			
BC	58		1	1	1			
GS	105		1	1	1			
LMB	49		1	1	1			
BC	38		1	1	1			
BC	46		1	1	1			
LMB	66		1	1	1			
LMB	47		1	1	1			
LMB	45		1	1	1			
CS	56		1	1	1			
BC	44		1	1	1			
LMB	46		1	1	1			
LMB	62		1	1	1			
BC	45		1	1	1			
LMB	45		1	1	1			
LMB	42		1	1	1			
LMB	60		1	1	1			
LMB	66		1	1	1			
YP	173		1	1	1			
BBH	255		1	1	1			
YP	154		1	1	1			
YP	115		1	1	1			

1 BG - 10
 2 CSF - 5
 3 ECP - 7
 4 YP - 9
 5 BC - 6
 6 CS - 2
 7 GS - 1
 8 LMB - 9/10
 9 BBH - 1

 54

(1)
 (2)
 (2)