APPENDIX 1. ICE HARBOR ADULT FISHWAY INSPECTIONS

DATES:	3-Mar	4-Mar	5-Mar	10-Mar	11-Mar	12-Mar	17-Mar	18-Mar	19-Mar	24-Mar
CHANNEL VELOCITIES										
IN SOUTH FISHWAY:	2.4	2.1	1.6	1.5	1.5	1.5	2.0	1.6	1.9	1.8
ELEVATIONS:										
South Fish Ladder										
Forebay	438.8	438.9	437.9	439.4	439.1	439.2	439.5	438.7	438.8	438.1
Exit Pool	438.8	438.8	437.9	439.3	439.1	439.2	439.4	438.6	438.7	438.0
Makeup Diffuser	434.1	434.1	434.1	434.1	434.1	434.1	434.1	434.1	434.1	434.1
U S Picketed Leads	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1
D S Picketed Leads	381.0	381.0	381.0	381.0	381.0	381.0	381.0	381.0	381.0	381.0
North Fish Ladder										
Forebay	438.8	438.9	437.9	439.4	439.2	439.3	439.6	438.8	438.8	438.1
Exit Pool	438.8	438.9	437.9	439.3	439.2	439.3	439.5	438.8	438.8	438.1
Makeup Diffuser	434.2	434.2	434.2	434.2	434.3	434.2	434.2	434.2	434.1	434.2
U S Picketed Leads	434.2	434.2	434.2	434.2	434.3	434.2	434.3	434.2	434.2	434.3
D S Picketed Leads	434.2	434.2	434.2	434.2	434.3	434.2	434.2	434.2	434.1	434.2
Collection Channels										
South Pwrh SG4	344.0	346.4	346.1	350.3	351.4	351.4	346.3	346.9	346.8	344.8
North Pwrh SG2	343.4	345.9	345.6	350.4	349.9	349.5	345.6	346.2	346.2	344.2
North Shore SG30	343.3	345.5	345.2	347.9	351.6	348.3	345.7	345.7	346.0	344.2
Tailwater										
South Pwrh SG3	342.1	344.7	344.4	349.3	349.0	348.5	344.6	345.1	345.0	343.0
North Pwrh SG1	342.1	344.5	344.2	349.3	348.5	348.3	344.4	345.1	344.9	342.8
North Shore SG29	342.5	344.4	343.9	346.5	349.8	346.5	344.5	343.5	344.8	342.7
Entrance Weirs										
SFE 1	333.5	336.1	335.7	340.8	340.0	339.9	336.1	336.5	336.5	334.4
NFE 2	333.8	336.2	335.5	339.8	338.1	337.9	334.1	334.1	334.1	334.2
NSE 1	332.3	333.2	333.2	336.4	336.8	336.8	334.9	334.9	334.9	333.8
DIFFERENTIALS/DEPTHS:										
South Fish Ladder										
Ladder Exit	0.0	0.1	0.0	0.1	0.0	0.0	0.1	0.1	0.1	0.1
Ladder Weirs	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Counting Station	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
North Fish Ladder										
Ladder Exit	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0
Ladder Weirs	1.2	1.2	1.2	1.2	1.3	1.2	1.2	1.2	1.1	1.2
Counting Station	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1
Collection Channels										
South Shore	1.9	1.7	1.7	1.0	2.4	2.9	1.7	1.8	1.8	1.8
North Powerhouse	1.3	1.4	1.4	1.1	1.0	1.2	1.2	1.1	1.3	1.4
North Shore	0.8	1.1	1.3	1.4	1.8	1.8	1.2	2.2	1.2	1.5
Weir Depths										
SFE 1	8.6	8.6	8.7	8.5	9.0	8.6	8.5	8.6	8.5	8.6
NFE 2	8.3	8.3	8.7	9.5	10.4	10.4	10.3	11.0	10.8	8.6
NSE 1	10.2	11.2	10.7	10.1	13.0	9.7	9.6	8.6	9.9	8.9

CDITEDIA DOINTS.										
CRITERIA POINTS: Channel Velocities	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Differentials	IES	I ES	IES	IES	IES	IES	IES	I ES	IES	IES
South Fish Ladder										
Ladder Exit	VEC	VEC	VEC	VEC	VEC	VEC	VEC	VEC	VEC	VEC
	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Counting Station	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
North Fish Ladder	MEG	VEC	ATEC	VIEC	MEG	ATEC	VIEC	VIEG	VIEG	MEG
Ladder Exit	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Counting Station	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Collection Channels										
South Shore	YES	YES	YES	YES	NO	NO	YES	YES	YES	YES
North Powerhouse	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
North Shore	NO	YES	YES	YES	YES	YES	YES	NO	YES	YES
Weir Depths										
SFE 1	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
NFE 2	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
NSE 1	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
CRITERIA POINTS: YES	(Output =	0, 1, or NA)								
Channel Velocities	1	1	1	1	1	1	1	1	1	1
Differentials										
South Fish Ladder										
Ladder Exit	1	1	1	1	1	1	1	1	1	1
Ladder Weirs	1	1	1	1	1	1	1	1	1	1
Counting Station	1	1	1	1	1	1	1	1	1	1
North Fish Ladder										
Ladder Exit	1	1	1	1	1	1	1	1	1	1
Ladder Weirs	1	1	1	1	1	1	1	1	1	1
Counting Station	1	1	1	1	1	1	1	1	1	1
Collection Channels										
South Shore	1	1	1	1	0	0	1	1	1	1
North Powerhouse	1	1	1	1	1	1	1	1	1	1
North Shore	0	1	1	1	1	1	1	0	1	1
Weir Depths										
SFE 1	1	1	1	1	1	1	1	1	1	1
NFE 2	1	1	1	1	1	1	1	1	1	1
NSE 1	1	1	1	1	1	1	1	1	1	1
CRITERIA POINTS: NO	(Output -	0, 1, or NA)								
Channel Velocities	(Output – ()	0, 1, 01 1(A)	0	0	0	0	0	0	0	0
Differentials	U	U	U	U	U	U	U	U	O .	V
South Fish Ladder										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Exit Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Fish Ladder	U	0	9	0	0	0	0	- 0	0	· ·
North Fish Ladder Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Exit Ladder Weirs		0	0	0	0	0	0	0		
Counting Station	0	0	0	0	0	0	0	0	0	0
Counting Station	U	U	U	U	U	- 0	U	U	U	U

Collection Channels										
South Shore	0	0	0	0	1	1	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	1	0	0	0	0	0	0	1	0	0
Weir Depths										
SFE 1	0	0	0	0	0	0	0	0	0	0
NFE 2	0	0	0	0	0	0	0	0	0	0
NSE 1	0	0	0	0	0	0	0	0	0	0
CRITERIA POINTS:										
SILL	(Output =	0, 1, or NA))							
Weir Depths										
SFE 1	0	0	0	0	0	0	0	0	0	0
NFE 2	0	0	0	0	0	0	0	0	0	0
NSE 1	0	0	0	0	0	0	0	0	0	0

OVER OF COMPUNIT CARRY	TYONG DAY	NODELE	was average	E GWOYN D	N. A. M. C. Y. M.		DOVE			
OUT OF CRITERIA SITUA			NTS - THES	E SHOULD	MATCH T	HE "NOS" A	ABOVE.			
South Ladder Differentials (· ·								
Ladder Exit	Not applical		0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applical									
South Ladder Differentials (
Edward Editi	Not applical		0	0	0	0	0	0	0	0
Ladder Weirs	0 Not applical	0	0	0	0	0	0	0	0	0
Counting Station	• •									
South Ladder Differentials (Ladder Exit										
Ladder Exit Ladder Weirs	Not applical	0	0	0	0	0	0	0	0	0
	Not applical	<u>~</u>	U	U	U	U	U	U	U	U
Counting Station South Ladder Differentials (• •									
Ladder Exit	0.01 - 0.1 too	nign) ()	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
South Ladder Differentials (<u> </u>		U	· ·	· ·		U	U Company	
Ladder Exit	0.11 - 0.2 100	()	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
South Ladder Differentials (more than 0.2	2 too high)	· ·		, and the second	· ·	· ·		· ·	· ·
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Ladder Differentials (more than 0.2	2 too low)								
Ladder Exit	Not applical									
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applical	ble.								
North Ladder Differentials (• •									
Ladder Exit	Not applical									
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applical	ble.								
North Ladder Differentials (0.01 - 0.1 too	low)								
Ladder Exit	Not applical	ble.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applical	ble.								

North Ladder Differentials (0.01 - 0.1 too high)										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Ladder Differentials (0.11 - 0.2 too high)										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Ladder Differentials (more than 0.2 too hig	h)									
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (<0.80)										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (0.80 - 0.89)										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	1	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (0.90 - 0.99):										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (2.01 - 2.10)										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (2.11 - 2.20)										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	1	0	0
Channel/Tailwater Differentials (>2.20)										
South Shore	0	0	0	0	1	1	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0

Entrance Weir Depths (mo	re than 0.2 to	o low)								
SFE 1 (<7.80)	0	0	0	0	0	0	0	0	0	0
NFE 2 (<7.80)	0	0	0	0	0	0	0	0	0	0
NSE 1 (<7.80)	0	0	0	0	0	0	0	0	0	0
Entrance Weir Depths (0.11	1 - 0.2 too low)								
SFE 1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
NFE 2 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
NSE 1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
Entrance Weir Depths (0.01	1 - 0.1 too low)								
SFE 1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
NFE 2 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
NSE 1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0

APPENDIX 2 (CONTINUED). IC	E HARBOR A	DULT FIS	HWAY IN	SPECTI	ONS	0	-			
DATES:	25-Mar	26-Mar	31-Mar	1-Apr	2-Apr	3-Apr	7-Apr	8-Apr	9-Apr	14-Арі
CHANNEL VELOCITIES										
IN SOUTH FISHWAY:	1.8	1.6	1.5	1.6	1.3	NA	2.0	1.9	1.9	1.9
ELEVATIONS:										
South Fish Ladder										
Forebay	438.9	438.4	438.3	438.5	437.8	437.5	437.8	437.5	437.6	437.6
Exit Pool	438.8	438.4	438.3	438.5	437.8	437.4	437.8	437.5	437.6	437.6
Makeup Diffuser	434.1	434.1	434.1	434.1	434.1	434.1	434.1	434.1	434.1	434.1
U S Picketed Leads	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1
D S Picketed Leads	381.0	381.0	381.0	381.0	381.0	381.0	381.0	381.0	381.0	381.0
North Fish Ladder										
Forebay	438.9	438.4	438.3	438.4	438.0	437.7	437.8	437.5	437.6	437.6
Exit Pool	438.9	438.4	438.3	438.4	438.0	437.7	437.8	437.5	437.6	437.6
Makeup Diffuser	434.2	434.2	434.2	434.1	434.1	434.2	434.2	434.1	434.1	434.2
U S Picketed Leads	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2
D S Picketed Leads	434.2	434.2	434.2	434.1	434.1	434.2	434.2	434.1	434.2	434.2
Collection Channels										
South Pwrh SG4	345.3	344.8	346.0	345.9	347.1	344.3	345.6	345.7	344.8	346.5
North Pwrh SG2	344.7	344.2	345.4	345.8	346.5	343.5	344.8	345.0	344.9	345.8
North Shore SG30	344.5	344.4	345.4	345.9	347.0	342.2	343.6	343.0	344.7	343.6
Tailwater										
South Pwrh SG3	343.4	342.8	344.0	344.5	345.4	342.5	343.8	344.0	343.8	344.8
North Pwrh SG1	343.1	342.8	344.0	344.5	345.4	342.5	343.8	344.0	343.3	344.8
North Shore SG29	343.0	342.9	343.7	344.4	345.1	340.7	341.7	341.6	342.8	342.4
Entrance Weirs										
SFE 1	334.8	334.3	335.5	335.7	336.6	334.1	335.2	335.3	334.4	335.8
NFE 2	334.5	334.2	335.7	335.7	337.0	333.8	333.8	333.8	334.7	335.2
NSE 1	334.6	334.2	335.1	335.8	336.1	332.5	332.9	332.9	332.2	332.7
DIFFERENTIALS/DEPTHS:	33	33.12	000.1	222.0	22011	002.0	332.5	002.9	552.2	552.7
South Fish Ladder										
Ladder Exit	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Ladder Weirs	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Counting Station	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
North Fish Ladder	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Ladder Exit	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ladder Weirs	1.2	1.2	1.2	1.1	1.1	1.2	1.2	1.1	1.1	1.2
Counting Station	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.0	0.0
Collection Channels	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.0	0.0
South Shore	1.9	2.0	2.0	1.4	1.7	1.8	1.8	1.7	1.0	1.7
North Powerhouse	1.6	1.4	1.4	1.4	1.1	1.0	1.0	1.0	1.6	1.0
North Shore	1.5	1.4	1.4	1.5	1.1	1.5	1.0	1.0	1.0	1.0
Weir Depths	1.3	1.3	1./	1.3	1.7	1.3	1.7	1.4	1.7	1.4
SFE 1	8.6	8.5	8.5	8.8	8.8	8.4	8.6	8.7	9.4	9.0
NFE 2						8. 4 8.7				9.0 9.6
INFE Z	8.6	8.6	8.3	8.8	8.4	0./	10.0	10.2	8.6	9.0

NSE 1

8.4

8.7

8.6 8.6

9.0

8.2 8.8

8.7

10.6

9.7

CDITEDIA DOINTS.										
CRITERIA POINTS: Channel Velocities	YES	YES	YES	YES	NO	NA	YES	YES	YES	YES
Differentials	1123	ILS	ILS	ILS	NO	INA	ILS	ILS	1123	ILS
South Fish Ladder										
Ladder Exit	VEC	VEC	VEC	VEC	VEC	VEC	VEC	VEC	VEC	VEC
	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Counting Station	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
North Fish Ladder	MEG	VEC	ATEC	VIEC	MEG	MEG	MEG	VIEG	VIEG	MEG
Ladder Exit	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Counting Station	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Collection Channels										
South Shore	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
North Powerhouse	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
North Shore	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Weir Depths										
SFE 1	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
NFE 2	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
NSE 1	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
CRITERIA POINTS: YES	(Output =	0, 1, or NA)								
Channel Velocities	1	1	1	1	0	NA	1	1	1	1
Differentials										
South Fish Ladder										
Ladder Exit	1	1	1	1	1	1	1	1	1	1
Ladder Weirs	1	1	1	1	1	1	1	1	1	1
Counting Station	1	1	1	1	1	1	1	1	1	1
North Fish Ladder										
Ladder Exit	1	1	1	1	1	1	1	1	1	1
Ladder Weirs	1	1	1	1	1	1	1	1	1	1
Counting Station	1	1	1	1	1	1	1	1	1	1
Collection Channels										
South Shore	1	1	1	1	1	1	1	1	1	1
North Powerhouse	1	1	1	1	1	1	1	1	1	1
North Shore	1	1	1	1	1	1	1	1	1	1
Weir Depths										
SFE 1	1	1	1	1	1	1	1	1	1	1
NFE 2	1	1	1	1	1	1	1	1	1	1
NSE 1	1	1	1	1	1	1	1	1	1	1
CRITERIA POINTS: NO	(Output =	0, 1, or NA)								
Channel Velocities	(Output – ()	0, 1, 01 NA)	0	0	1	NA	0	0	0	0
Differentials	0		- 0	- 0	1	IVA		0	- 0	0
South Fish Ladder										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Fish Ladder	U	0	9	0	0		0	- 0	0	· ·
North Fish Ladder Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Exit Ladder Weirs		0	0	0	0	0	0	0		
Counting Station	0	0	0	0	0	0	0	0	0	0
Counting Station	U	U	U	U	U	U	U	U	U	U

Collection Channels										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Weir Depths										
SFE 1	0	0	0	0	0	0	0	0	0	0
NFE 2	0	0	0	0	0	0	0	0	0	0
NSE 1	0	0	0	0	0	0	0	0	0	0

CRITERIA POINTS: SILL		0, 1, or NA)								
Weir Depths	(Output –	0, 1, 01 T(A)	'							
SFE 1	0	0	0	0	0	0	0	0	0	0
NFE 2	0	0	0	0	0	0	0	0	0	0
NSE 1	0	0	0	0	0	0	0	0	0	0

South Ladder Differentials (1	more than 0.2	too low)								
Ladder Exit	Not applicab	ole.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicab	ole.								
South Ladder Differentials ().11 - 0.2 too l	low)								
Ladder Exit	Not applicab	ole.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicab	ole.								
South Ladder Differentials (0.01 - 0.1 too l	low)								
Ladder Exit	Not applicab	ole.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicab	ole.								
South Ladder Differentials ().01 - 0.1 too l	high)								
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
South Ladder Differentials ().11 - 0.2 too l	high)								
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
South Ladder Differentials (1	more than 0.2	too high)								
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Ladder Differentials (1	more than 0.2	too low)								
Ladder Exit	Not applicab	ole.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicab	ole.								
North Ladder Differentials (0.11 - 0.2 too	low)								
Ladder Exit	Not applicab	ole.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicab	ole.								
North Ladder Differentials (0.01 - 0.1 too	low)								
Ladder Exit	Not applicab	ole.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicab	ole.								

North Ladder Differentials (0.01 - 0.1 too high)										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Ladder Differentials (0.11 - 0.2 too high)										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Ladder Differentials (more than 0.2 too high	zh)									
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (<0.80)										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (0.80 - 0.89)										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (0.90 - 0.99):										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (2.01 - 2.10)										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (2.11 - 2.20)										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (>2.20)										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0

Entrance Weir Depths (more than 0.2 too lo	w)									
SFE 1 (< 7.80)	0	0	0	0	0	0	0	0	0	0
NFE 2 (<7.80)	0	0	0	0	0	0	0	0	0	0
NSE 1 (<7.80)	0	0	0	0	0	0	0	0	0	0
Entrance Weir Depths (0.11 - 0.2 too low)										
SFE 1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
NFE 2 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
NSE 1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
Entrance Weir Depths (0.01 - 0.1 too low)										
SFE 1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
NFE 2 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
NSE 1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0

APPENDIX 2 (CONTINUED). IC	E HARBOR	ADULT F	ISHWAY	INSPECT	IONS	0				
DATES:	15-Apr	16-Apr	21-Apr	22-Apr	23-Apr	28-Apr	29-Apr	1-May	5-My	6-May
CHANNEL VELOCITIES	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.6
IN SOUTH FISHWAY:	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.6
ELEVATIONS:										
South Fish Ladder										
Forebay	437.7	437.8	437.5	437.7	437.2	437.8	437.5	437.2	437.7	437.5
Exit Pool	437.6	437.8	437.5	437.7	437.2	437.8	437.5	437.2	437.7	437.5
Makeup Diffuser	434.1	434.2	434.1	434.2	434.1	434.1	434.1	434.1	434.1	434.1
U S Picketed Leads	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1
D S Picketed Leads	381.0	381.0	381.0	381.0	381.0	381.0	381.0	381.0	381.0	381.0
North Fish Ladder										
Forebay	437.7	437.9	437.5	437.7	437.4	437.8	437.5	437.2	437.7	437.5
Exit Pool	437.6	437.9	437.5	437.7	437.5	437.9	437.6	437.2	437.7	437.5
Makeup Diffuser	434.2	434.2	434.1	434.2	434.2	434.2	434.2	434.1	434.1	434.2
U S Picketed Leads	434.2	434.3	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2
D S Picketed Leads	434.2	434.2	434.1	434.2	434.2	434.2	434.2	434.1	434.1	434.2
Collection Channels										
South Pwrh SG4	346.5	345.7	345.0	346.2	344.2	346.5	346.6	343.0	348.8	348.5
North Pwrh SG2	345.8	345.1	344.4	345.8	343.6	345.9	345.9	343.0	348.2	347.7
North Shore SG30	343.6	343.3	342.5	343.5	342.2	345.2	345.2	341.9	346.5	345.6
Tailwater										
South Pwrh SG3	344.8	344.0	343.5	344.7	342.6	345.0	345.0	342.0	347.5	347.0
North Pwrh SG1	344.8	344.0	343.4	344.7	342.6	344.5	344.9	342.0	347.5	346.6
North Shore SG29	342.5	341.7	341.4	342.4	340.1	344.0	344.0	340.0	345.5	344.3
Entrance Weirs										
SFE 1	336.0	334.8	334.6	335.9	333.9	336.1	336.2	333.5	338.6	338.0
NFE 2	335.8	333.5	334.0	334.0	334.0	333.5	333.6	333.5	334.7	335.6
NSE 1	332.7	332.3	332.4	332.3	332.3	332.8	332.8	332.9	332.3	332.3
DIFFERENTIALS/DEPTHS:										
South Fish Ladder										
Ladder Exit	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ladder Weirs	1.1	1.2	1.1	1.2	1.1	1.1	1.1	1.1	1.1	1.1
Counting Station	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

North Fish Ladder

Ladder Exit

Ladder Weirs

Counting Station

Collection Channels
South Shore

North Powerhouse

North Shore

Weir Depths SFE 1

NFE 2

NSE 1

0.1

1.2

0.0

1.7

1.0

1.1

8.8

9.0

9.8

0.0

1.2

0.1

1.7

1.1

1.6

9.2

10.5

9.4

0.0

1.1

0.1

1.5

1.0

1.1

8.9

9.4

9.0

0.0

1.2

0.0

1.5

1.1

1.1

8.8

10.7

10.1

-0.1

1.2

0.0

1.6

1.0

2.1

8.7

8.6

7.8

-0.1

1.2

0.0

1.5

1.4

1.2

8.9

11.0

11.2

-0.1

1.2

0.0

1.6

1.0

1.2

8.8

11.3

11.2

0.0

1.1

0.1

1.0

1.0

1.9

8.5

8.5

7.1

0.0

1.1

0.1

1.3

0.7

1.0

8.9

12.8

13.2

0.0

1.2

0.0

1.5

1.1

1.3

9.0

11.0

12.0

CDITEDIA DOINTS.										
CRITERIA POINTS: Channel Velocities	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Differentials	IES	I ES	IES	IES	I ES	IES	IES	I ES	IES	IES
South Fish Ladder										
Ladder Exit	VEC	VEC	VEC	VEC	VEC	VEC	VEC	VEC	VEC	VEC
	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Counting Station	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
North Fish Ladder	MEG	VEC	X/TDG	ATEC	VIEG	ATEC	VIEC	VIEG	VIEG	MEG
Ladder Exit	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Counting Station	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Collection Channels										
South Shore	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
North Powerhouse	YES	YES	YES	YES	YES	YES	YES	YES	NO	YES
North Shore	YES	YES	YES	YES	NO	YES	YES	YES	YES	YES
Weir Depths										
SFE 1	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
NFE 2	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
NSE 1	YES	YES	YES	YES	SILL	YES	YES	NO	YES	YES
CRITERIA POINTS: YES	(Output =	0, 1, or NA)								
Channel Velocities	1	1	1	1	1	1	1	1	1	1
Differentials										
South Fish Ladder										
Ladder Exit	1	1	1	1	1	1	1	1	1	1
Ladder Weirs	1	1	1	1	1	1	1	1	1	1
Counting Station	1	1	1	1	1	1	1	1	1	1
North Fish Ladder										
Ladder Exit	1	1	1	1	1	1	1	1	1	1
Ladder Weirs	1	1	1	1	1	1	1	1	1	1
Counting Station	1	1	1	1	1	1	1	1	1	1
Collection Channels										
South Shore	1	1	1	1	1	1	1	1	1	1
North Powerhouse	1	1	1	1	1	1	1	1	0	1
North Shore	1	1	1	1	0	1	1	1	1	1
Weir Depths										
SFE 1	1	1	1	1	1	1	1	1	1	1
NFE 2	1	1	1	1	1	1	1	1	1	1
NSE 1	1	1	1	1	0	1	1	0	1	1
CRITERIA POINTS: NO	(Outnut =	0, 1, or NA)								
Channel Velocities	(Output –	0, 1, 01 11A)	0	0	0	0	0	0	0	0
Differentials	V	V	· ·		· ·	U	U		V	
South Fish Ladder										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Fish Ladder	U	0	0			0	0	- 0	0	· ·
North Fish Ladder Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Exit Ladder Weirs		0	0	0	0	0	0	0		
Counting Station	0	0	0	0	0	0	0	0	0	0
Counting Station	U	U	U	U	U	- 0	U	U	U	U

Collection Channels										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	1	0
North Shore	0	0	0	0	1	0	0	0	0	0
Weir Depths										
SFE 1	0	0	0	0	0	0	0	0	0	0
NFE 2	0	0	0	0	0	0	0	0	0	0
NSE 1	0	0	0	0	0	0	0	1	0	0

CRITERIA POINTS:										
SILL	(Output =	0, 1, or NA)								
Weir Depths										
SFE 1	0	0	0	0	0	0	0	0	0	0
NFE 2	0	0	0	0	0	0	0	0	0	0
NSE 1	0	0	0	0	1	0	0	0	0	0

South Ladder Differentials (1										
Ladder Exit	Not applicab									
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicab									
South Ladder Differentials (
Ladder Exit	Not applicab									
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicab	ole.								
South Ladder Differentials ().01 - 0.1 too l	ow)								
Ladder Exit	Not applicab	le.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicab	le.								
South Ladder Differentials ().01 - 0.1 too l	nigh)								
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
South Ladder Differentials ().11 - 0.2 too l	nigh)								
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
South Ladder Differentials (1	more than 0.2	too high)								
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Ladder Differentials (1	more than 0.2	too low)								
Ladder Exit	Not applicab	le.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicab	le.								
North Ladder Differentials (0.11 - 0.2 too l	ow)								
Ladder Exit	Not applicab	le.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicab	le.								
North Ladder Differentials (0.01 - 0.1 too l	ow)								
Ladder Exit	Not applicab									
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicab	le.								

North Ladder Differentials (0.01 - 0.1 too high)										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Ladder Differentials (0.11 - 0.2 too high)										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Ladder Differentials (more than 0.2 too hig	h)									
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (<0.80)										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	1	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (0.80 - 0.89)										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (0.90 - 0.99):										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (2.01 - 2.10)										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	1	0	0	0	0	0
Channel/Tailwater Differentials (2.11 - 2.20)										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (>2.20)										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0

Entrance Weir Depths (more than 0.2 too low	/)									
SFE 1 (<7.80)	0	0	0	0	0	0	0	0	0	0
NFE 2 (< 7.80)	0	0	0	0	0	0	0	0	0	0
NSE 1 (< 7.80)	0	0	0	0	0	0	0	1	0	0
Entrance Weir Depths (0.11 - 0.2 too low)										
SFE 1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
NFE 2 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
NSE 1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
Entrance Weir Depths (0.01 - 0.1 too low)										
SFE 1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
NFE 2 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
NSE 1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0

I (SI ECTIO) (S					•					
DATES:	7- May	8- May	12-May	13-May	14-May	15-May	19-May	20-May	22-May	27-May
CHANNEL VELOCITIES IN SOUTH FISHWAY:	2.4	2.1	2.4	2.2	2.6	2.5	2.0	1.9	2.0	1.8
ELEVATIONS:										
South Fish Ladder										
Forebay	437.7	437.7	437.7	437.6	437.6	437.8	437.7	437.7	437.6	437.5
Exit Pool	437.8	437.7	437.7	437.6	437.6	437.7	437.7	437.7	437.6	437.5
Makeup Diffuser	434.1	434.1	434.1	434.1	434.1	434.1	434.1	434.1	434.1	434.1
U S Picketed Leads	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1
D S Picketed Leads	381.0	381.0	381.0	381.0	381.0	381.0	381.0	381.0	381.0	381.0
North Fish Ladder										
Forebay	437.8	437.7	437.7	437.5	437.5	437.8	437.8	437.7	437.6	437.4
Exit Pool	437.9	437.7	437.8	437.5	437.5	437.8	437.8	437.8	437.7	437.5
Makeup Diffuser	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2
U S Picketed Leads	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2
D S Picketed Leads	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2
Collection Channels										
South Pwrh SG4	347.7	346.5	345.4	344.8	343.8	344.9	349.1	349.4	347.1	350.1
North Pwrh SG2	347.1	346.0	344.8	344.2	344.1	344.4	348.6	349.2	346.5	349.8
North Shore SG30	345.6	344.1	343.0	342.4	343.5	343.5	346.5	347.5	344.4	347.7
Tailwater										
South Pwrh SG3	346.1	345.0	343.5	343.0	342.8	343.4	347.7	348.4	345.5	348.8
North Pwrh SG1	345.8	344.9	343.6	342.9	342.9	343.4	347.6	348.0	345.5	348.7
North Shore SG29	344.4	343.0	341.0	340.6	341.7	342.0	345.5	346.3	343.2	346.3
Entrance Weirs										
SFE 1	337.3	336.1	334.8	334.5	334.3	334.3	338.5	335.3	336.7	339.1
NFE 2	335.6	335.6	335.6	334.9	333.6	333.5	335.3	335.3	335.3	338.5
NSE 1	333.0	333.0	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
DIFFERENTIALS/DEPTHS:										
South Fish Ladder										
Ladder Exit	-0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Ladder Weirs	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Counting Station	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
North Fish Ladder										
Ladder Exit	-0.1	0.0	-0.1	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.1
Ladder Weirs	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Counting Station	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Collection Channels				1.0	1.0					
South Shore	1.6	1.5	1.9	1.8	1.0	1.5	1.4	1.0	1.6	1.3
North Powerhouse	1.3	1.1	1.2	1.3	1.2	1.0	1.0	1.2	1.0	1.1
North Shore	1.2	1.1	2.0	1.8	1.8	1.5	1.0	1.2	1.2	1.4
Weir Depths	0.0	0.0	0.7	0.5	0.5	0.1	0.2	12.1	0.0	0.7
SFE 1	8.8	8.9	8.7	8.5	8.5	9.1	9.2	13.1	8.8	9.7
NFE 2	10.2	9.3	8.0	8.0	9.3	9.9	12.3	12.7	10.2	10.2
NSE 1	11.4	10.0	8.7	8.3	9.4	9.7	13.2	14.0	10.9	14.0

CRITERIA POINTS:										
Channel Velocities	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Differentials										
South Fish Ladder										
Ladder Exit	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Counting Station	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
North Fish Ladder										
Ladder Exit	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Counting Station	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Collection Channels										
South Shore	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
North Powerhouse	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
North Shore	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Weir Depths										
SFE 1	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
NFE 2	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
NSE 1	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
CDVIII VAN VIII VAN V										
CRITERIA POINTS: YES Channel Velocities	1	1	,	1	1	1	1	1	1	1
Differentials	1	1	1	1	1	1	1	1	1	1
South Fish Ladder Ladder Exit		1		1	1	1	1		1	1
Ladder Weirs	1	1	1	1	1	1	1	1	1	1
Counting Station	1	1	1	1	1	1	1	1	1	1
North Fish Ladder	1	1	1	1	1	1	1	1	1	1
Ladder Exit	1	1	1	1	1	1	1	1	1	1
Ladder Weirs	1	1	1	1	1	1	1	1	1	1
Counting Station	1	1	1	1	1	1	1	1	1	1
Collection Channels	•	•	•	1		1	•	•	•	•
South Shore	1	1	1	1	1	1	1	1	1	1
North Powerhouse	1	1	1	1	1	1	1	1	1	1
North Shore	1	1	1	1	1	1	1	1	1	1
Weir Depths										
SFE 1	1	1	1	1	1	1	1	1	1	1
NFE 2	1	1	1	1	1	1	1	1	1	1
NSE 1	1	1	1	1	1	1	1	1	1	1
CRITERIA POINTS: NO	•	0, 1, or NA)								
Channel Velocities	0	0	0	0	0	0	0	0	0	0
Differentials										
South Fish Ladder	^	^	^	^	^	^	^	^	^	0
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Fish Ladder	_	0		0	0	0		0	0	
Ladder Exit Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Ladder Weirs Counting Station	0	0	0	0	0	0	0	0	0	0
Counting Station									- 0	0

Collection Channels										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Weir Depths										
SFE 1	0	0	0	0	0	0	0	0	0	0
NFE 2	0	0	0	0	0	0	0	0	0	0
NSE 1	0	0	0	0	0	0	0	0	0	0

CRITERIA POINTS: SILL		0, 1, or NA)								
Weir Depths	(Output –	0, 1, 01 T(A)	'							
SFE 1	0	0	0	0	0	0	0	0	0	0
NFE 2	0	0	0	0	0	0	0	0	0	0
NSE 1	0	0	0	0	0	0	0	0	0	0

South Ladder Differentials (1	more than 0.2	too low)								
Ladder Exit	Not applicab	ole.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicab	ole.								
South Ladder Differentials ().11 - 0.2 too l	low)								
Ladder Exit	Not applicab	ole.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicab	ole.								
South Ladder Differentials (0.01 - 0.1 too l	low)								
Ladder Exit	Not applicab	ole.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicab	ole.								
South Ladder Differentials ().01 - 0.1 too l	high)								
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
South Ladder Differentials ().11 - 0.2 too l	high)								
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
South Ladder Differentials (1	more than 0.2	too high)								
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Ladder Differentials (1	more than 0.2	too low)								
Ladder Exit	Not applicab	ole.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicab	ole.								
North Ladder Differentials (0.11 - 0.2 too	low)								
Ladder Exit	Not applicab	ole.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicab	ole.								
North Ladder Differentials (0.01 - 0.1 too	low)								
Ladder Exit	Not applicab	ole.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicab	ole.								

North Ladder Differentials (0.01 - 0.1 too high)										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Ladder Differentials (0.11 - 0.2 too high)										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Ladder Differentials (more than 0.2 too high	zh)									
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (<0.80)										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (0.80 - 0.89)										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (0.90 - 0.99):										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (2.01 - 2.10)										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (2.11 - 2.20)										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (>2.20)										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0

Entrance Weir Depths (mo	re than 0.2 to	o low)								
SFE 1 (<7.80)	0	0	0	0	0	0	0	0	0	0
NFE 2 (<7.80)	0	0	0	0	0	0	0	0	0	0
NSE 1 (<7.80)	0	0	0	0	0	0	0	0	0	0
Entrance Weir Depths (0.11	1 - 0.2 too low)								
SFE 1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
NFE 2 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
NSE 1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
Entrance Weir Depths (0.01	1 - 0.1 too low)								
SFE 1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
NFE 2 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
NSE 1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0

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DATES:	2-Jun	3-Jun	4-Jun	5-Jun	9-Jun	10-Jun	11-Jun	12-Jun	16-Jun	17-Jun
CHANNEL VELOCITIES										
IN SOUTH FISHWAY:	2.0	2.1	1.9	1.6	2.2	2.6	2.5	2.4	2.5	2.5
ELEVATIONS:										
South Fish Ladder										
Forebay	437.7	437.4	437.6	437.7	437.6	437.7	437.6	437.7	437.7	437.7
Exit Pool	437.6	437.3	437.6	437.7	437.6	437.6	437.6	437.7	437.7	437.6
Makeup Diffuser	434.2	434.1	434.1	434.1	434.1	434.1	434.1	434.1	434.1	434.1
U S Picketed Leads	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1
D S Picketed Leads	381.0	381.0	381.0	381.0	381.0	381.0	381.0	381.0	381.0	381.0
North Fish Ladder										
Forebay	437.6	437.4	437.6	437.7	437.6	437.7	437.6	437.8	437.6	437.7
Exit Pool	437.7	437.4	437.6	437.8	437.7	437.7	437.6	437.8	437.6	437.7
Makeup Diffuser	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2
U S Picketed Leads	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2
D S Picketed Leads	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2
Collection Channels										
South Pwrh SG4	348.6	348.2	348.4	348.5	347.4	347.0	347.3	346.8	344.8	345.5
North Pwrh SG2	348.3	348.0	348.1	348.3	346.9	346.3	346.7	346.2	344.3	344.7
North Shore SG30	346.2	346.0	346.1	345.8	346.2	345.2	345.0	344.6	342.3	343.0
Tailwater										
South Pwrh SG3	347.4	346.9	346.9	347.5	345.9	345.3	345.7	345.2	342.6	343.7
North Pwrh SG1	347.3	346.8	346.7	347.2	345.9	345.3	345.5	344.8	342.6	343.5
North Shore SG29	345.0	344.7	345.0	344.3	345.1	344.0	344.0	343.0	341.1	342.0
Entrance Weirs										
SFE 1	337.7	337.7	337.7	338.3	335.3	336.3	336.3	335.0	335.0	334.2
NFE 2	337.8	337.8	337.8	337.8	336.3	336.3	336.3	336.3	336.3	334.7
NSE 1	332.3	332.3	332.3	332.3	332.7	332.7	332.7	332.7	332.7	332.7
DIFFERENTIALS/DEPTHS:										
South Fish Ladder										
Ladder Exit	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
Ladder Weirs	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Counting Station	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
North Fish Ladder										
Ladder Exit	-0.1	0.0	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0
Ladder Weirs	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Counting Station	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Collection Channels	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
South Shore	1.2	1.3	1.5	1.0	1.5	1.7	1.6	1.6	2.2	1.8
North Powerhouse	1.0	1.2	1.4	1.1	1.0	1.0	1.2	1.4	1.7	1.2
North Shore	1.2	1.3	1.1	1.5	1.1	1.2	1.0	1.6	1.2	1.0
Weir Depths	1.2	1.5	1.1	1.5	1.1	1.4	1.0	1.0	1.4	1.0
SFE 1	9.7	9.2	9.2	9.2	10.6	9.0	9.4	10.2	7.6	9.5
NFE 2	9.5	9.0	8.9	9.4	9.6	9.0	9.4	8.5	6.3	8.8
NSE 1	12.7	12.4	12.7	12.0	12.4	11.3	11.3	10.3	8.4	9.3
TOL I	14./	14.7	12./	12.0	14.7	11.3	11.3	10.5	0.7	1.5

CRITERIA POINTS:										
Channel Velocities	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Differentials										
South Fish Ladder										
Ladder Exit	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Counting Station	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
North Fish Ladder										
Ladder Exit	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Counting Station	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Collection Channels										
South Shore	YES	YES	YES	YES	YES	YES	YES	YES	NO	YES
North Powerhouse	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
North Shore	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Weir Depths										
SFE 1	YES	YES	YES	YES	YES	YES	YES	YES	NO	YES
NFE 2	YES	YES	YES	YES	YES	YES	YES	YES	NO	YES
NSE 1	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
CRITERIA POINTS: YES	1	,	,	1	,	1	,	1	1	1
Channel Velocities	1	1	1	1	1	1	1	1	1	1
Differentials										
South Fish Ladder										
Ladder Exit	1	1	1	1	1	1	1	1	1	1
Ladder Weirs	1	1	1	1	1	1	1	1	1	1
Counting Station	1	1	1	1	1	1	1	1	1	1
North Fish Ladder		1		1	1	1	1	1	1	
Ladder Exit Ladder Weirs	1	1	1	1	1	1	1	1	1	1
Counting Station	1	1	1	1	1	1	1	1	1	1
Collection Channels	1	1	1	1	1	1	1	1	1	1
South Shore	1	1	1	1	1	1	1	1	0	1
North Powerhouse	1	1	1	1	1	1	1	1	1	1
North Shore	1	1	1	1	1	1	1	1	1	1
Weir Depths	1	1		1	1	1	1	1		1
SFE 1	1	1	1	1	1	1	1	1	0	1
NFE 2	1	1	1	1	1	1	1	1	0	1
NSE 1	1	1	1	1	1	1	1	1	1	1
CRITERIA POINTS: NO	•	0, 1, or NA)								
Channel Velocities	0	0	0	0	0	0	0	0	0	0
Differentials										
South Fish Ladder										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Fish Ladder										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0

Collection Channels										
South Shore	0	0	0	0	0	0	0	0	1	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Weir Depths										
SFE 1	0	0	0	0	0	0	0	0	1	0
NFE 2	0	0	0	0	0	0	0	0	1	0
NSE 1	0	0	0	0	0	0	0	0	0	0

CRITERIA POINTS: SILL		0, 1, or NA)								
Weir Depths	(Output –	0, 1, 01 T(A)	'							
SFE 1	0	0	0	0	0	0	0	0	0	0
NFE 2	0	0	0	0	0	0	0	0	0	0
NSE 1	0	0	0	0	0	0	0	0	0	0

Ladder Exit	Not applical	ble.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applical	ble.								
South Ladder Differential	ls (0.11 - 0.2 too	low)								
Ladder Exit	Not applical	ble.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applical	ble.								
South Ladder Differential	ls (0.01 - 0.1 too	low)								
Ladder Exit	Not applical	ble.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applical	ble.								
South Ladder Differential	ls (<mark>0.01 - 0.1 too</mark>	high)								
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
South Ladder Differential	ls (0.11 - 0.2 too	high)								
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
South Ladder Differential	ls (more than 0.2	too high)								
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Ladder Differential	ls (more than 0.2	2 too low)								
Ladder Exit	Not applical	ble.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applical	ble.								
North Ladder Differential	ls (0.11 - 0.2 too	low)								
Ladder Exit	Not applical	ble.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applical	ble.								
North Ladder Differential	ls (0.01 - 0.1 too	low)								
Ladder Exit	Not applical	ble.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applical	ble.								

North Ladder Differentials (0.01 - 0.1 too high)										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Ladder Differentials (0.11 - 0.2 too high)				·	· ·		·	· ·		· ·
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0		0	0	0	0	0	0	0	0
North Ladder Differentials (more than 0.2 too high					<u> </u>			<u> </u>		
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (<0.80)										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (0.80 - 0.89)										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (0.90 - 0.99):										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (2.01 - 2.10)										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (2.11 - 2.20)										
South Shore	0	0	0	0	0	0	0	0	1	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (>2.20)										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0

Entrance Weir Depths (more	e than 0.2 to	o low)								
SFE 1 (<7.80)	0	0	0	0	0	0	0	0	1	0
NFE 2 (< 7.80)	0	0	0	0	0	0	0	0	1	0
NSE 1 (< 7.80)	0	0	0	0	0	0	0	0	0	0
Entrance Weir Depths (0.11	- 0.2 too low)								
SFE 1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
NFE 2 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
NSE 1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
Entrance Weir Depths (0.01	- 0.1 too low)								
SFE 1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
NFE 2 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
NSE 1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0

DATES:	18-Jun	23-Jun	24-Jun	26-Jun	30-Jun	1-Jul	2-Jul	7-Jul	8-Jul	9-Jul
CHANNEL VELOCITIES										
IN SOUTH FISHWAY:	2.6	2.6	1.6	1.7	1.5	2.0	1.9	2.1	1.7	1.7
ELEVATIONS:										
South Fish Ladder										
Forebay	437.7	437.7	438.0	437.6	437.7	437.7	437.8	437.8	437.5	437.7
Exit Pool	437.7	437.6	438.0	437.6	437.7	437.7	437.8	437.8	437.5	437.6
Makeup Diffuser	434.1	434.1	434.1	434.1	434.1	434.1	434.1	434.1	434.1	434.1
U S Picketed Leads	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1
D S Picketed Leads	381.0	381.0	381.0	381.0	381.0	381.0	381.0	381.0	381.0	381.0
North Fish Ladder										
Forebay	437.7	437.7	438.0	437.6	437.8	437.6	437.8	437.7	437.6	437.7
Exit Pool	437.7	437.7	438.1	437.7	437.8	437.7	437.8	437.8	437.6	437.7
Makeup Diffuser	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.3
U S Picketed Leads	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.3
D S Picketed Leads	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.3
Collection Channels										
South Pwrh SG4	344.8	344.6	344.7	344.4	344.8	343.2	343.4	343.5	343.5	343.6
North Pwrh SG2	344.1	343.8	344.1	343.9	344.4	342.8	342.9	342.7	343.1	343.2
North Shore SG30	343.6	342.6	342.1	342.8	344.8	341.3	341.6	342.5	342.6	341.6
Tailwater										
South Pwrh SG3	343.0	342.8	343.1	342.8	343.5	341.7	341.7	341.5	342.0	342.5
North Pwrh SG1	343.0	342.8	343.1	342.8	343.4	341.7	341.6	341.5	341.9	342.1
North Shore SG29	342.5	340.8	341.1	340.9	343.0	340.0	340.0	340.7	341.1	340.5
Entrance Weirs										
SFE 1	333.3	333.7	333.8	333.3	334.1	332.4	332.6	332.7	333.0	333.0
NFE 2	334.6	333.6	333.6	333.6	332.3	332.3	333.2	332.3	332.3	332.3
NSE 1	332.7	332.8	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
DIFFERENTIALS/DEPTHS:										
South Fish Ladder										
Ladder Exit	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Ladder Weirs	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Counting Station	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
North Fish Ladder										
Ladder Exit	0.0	0.0	-0.1	-0.1	0.0	-0.1	0.0	-0.1	0.0	0.0
Ladder Weirs	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3
Counting Station	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Collection Channels										
South Shore	1.8	1.8	1.6	1.6	1.3	1.5	1.7	2.0	1.5	1.1
North Powerhouse	1.1	1.0	1.0	1.1	1.0	1.1	1.3	1.2	1.2	1.1
North Shore	1.1	1.8	1.0	1.9	1.8	1.3	1.6	1.8	1.5	1.1
Weir Depths					0				0	
SFE 1	9.7	9.1	9.3	9.5	9.4	9.3	9.1	8.8	9.0	9.5
NFE 2	8.4	9.2	9.5	9.2	11.1	9.4	8.4	9.2	9.6	9.8
NSE 1	9.8	8.0	8.8	8.6	10.7	7.7	7.7	8.4	8.8	8.2
TIDE I	7.0	0.0	0.0	0.0	10.7		/ • /	0.7	0.0	0.2

CRITERIA POINTS:										
Channel Velocities	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Differentials										
South Fish Ladder										
Ladder Exit	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Counting Station	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
North Fish Ladder										
Ladder Exit	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Counting Station	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Collection Channels										
South Shore	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
North Powerhouse	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
North Shore	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Weir Depths										
SFE 1	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
NFE 2	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
NSE 1	YES	YES	YES	YES	YES	SILL	SILL	YES	YES	YES

CRITERIA POINTS: YES	(Output =	0, 1, or NA)								
Channel Velocities	1	1	1	1	1	1	1	1	1	1
Differentials										
South Fish Ladder										
Ladder Exit	1	1	1	1	1	1	1	1	1	1
Ladder Weirs	1	1	1	1	1	1	1	1	1	1
Counting Station	1	1	1	1	1	1	1	1	1	1
North Fish Ladder										
Ladder Exit	1	1	1	1	1	1	1	1	1	1
Ladder Weirs	1	1	1	1	1	1	1	1	1	1
Counting Station	1	1	1	1	1	1	1	1	1	1
Collection Channels										
South Shore	1	1	1	1	1	1	1	1	1	1
North Powerhouse	1	1	1	1	1	1	1	1	1	1
North Shore	1	1	1	1	1	1	1	1	1	1
Weir Depths										
SFE 1	1	1	1	1	1	1	1	1	1	1
NFE 2	1	1	1	1	1	1	1	1	1	1
NSE 1	1	1	1	1	1	0	0	1	1	1

CRITERIA POINTS: NO	(Output =	0, 1, or NA)								
Channel Velocities	0	0	0	0	0	0	0	0	0	0
Differentials										
South Fish Ladder										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Fish Ladder										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0

Collection Channels										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Weir Depths										
SFE 1	0	0	0	0	0	0	0	0	0	0
NFE 2	0	0	0	0	0	0	0	0	0	0
NSE 1	0	0	0	0	0	0	0	0	0	0

CRITERIA POINTS: SILL		0, 1, or NA)								
Weir Depths	(Ծաւքաւ –	0, 1, 0r NA)	1							
SFE 1	0	0	0	0	0	0	0	0	0	0
NFE 2	0	0	0	0	0	0	0	0	0	0
NSE 1	0	0	0	0	0	1	1	0	0	0

South Ladder Differentials (1	more than 0.2	too low)								
Ladder Exit	Not applicab	ole.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicab	ole.								
South Ladder Differentials ().11 - 0.2 too l	low)								
Ladder Exit	Not applicab	ole.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicab	ole.								
South Ladder Differentials (0.01 - 0.1 too l	low)								
Ladder Exit	Not applicab	ole.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicab	ole.								
South Ladder Differentials ().01 - 0.1 too l	high)								
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
South Ladder Differentials ().11 - 0.2 too l	high)								
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
South Ladder Differentials (1	more than 0.2	too high)								
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Ladder Differentials (1	more than 0.2	too low)								
Ladder Exit	Not applicab	ole.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicab	ole.								
North Ladder Differentials (0.11 - 0.2 too	low)								
Ladder Exit	Not applicab	ole.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicab	ole.								
North Ladder Differentials (0.01 - 0.1 too	low)								
Ladder Exit	Not applicab	ole.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicab	ole.								

North Ladder Differentials (0.01 Ladder Exit Ladder Weirs Counting Station	0	_								
Ladder Weirs	ranga da santa da sa	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Ladder Differentials (0.11				<u> </u>		<u> </u>		<u> </u>	<u> </u>	
Ladder Exit	0.2 too mg.:)	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Ladder Differentials (more	e than 0.2 too high)									
Ladder Exit	2 / <mark>0</mark>	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials ((<0.80)									
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials ((0.80 - 0.89)									
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials ((0.90 - 0.99):									
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	_ 0_	0	0	0	0	0	0	0	0	0
	(5.2.20)									
Channel/Tailwater Differentials (0	0	0	0	0	0	0	0	0
South Shore	0	0	0		0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	_0_	0	U	U	U	U	0	0	0	0

Entrance Weir Depths (more than 0.2 too low	v)									
SFE 1 (<7.80)	0	0	0	0	0	0	0	0	0	0
NFE 2 (< 7.80)	0	0	0	0	0	0	0	0	0	0
NSE 1 (< 7.80)	0	0	0	0	0	0	0	0	0	0
Entrance Weir Depths (0.11 - 0.2 too low)										
SFE 1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
NFE 2 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
NSE 1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
Entrance Weir Depths (0.01 - 0.1 too low)										
SFE 1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
NFE 2 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
NSE 1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0

INSPECTIONS					U	-				
DATES:	10-Jul	14-Jul	15-Jul	16-Jul	17-Jul	21-Jul	22-Jul	23-Jul	24-Jul	28-Jul
CHANNEL VELOCITIES										
IN SOUTH FISHWAY:	1.8	2.4	2.1	2.0	2.1	2.3	2.4	2.1	2.1	2.6
ELEVATIONS:										
South Fish Ladder										
Forebay	437.5	437.6	437.9	437.6	437.2	437.6	437.8	437.6	437.7	437.6
Exit Pool	437.5	437.6	437.9	437.6	437.2	437.6	437.8	437.5	437.7	437.6
Makeup Diffuser	434.1	434.1	434.1	434.1	434.1	434.1	434.1	434.1	434.1	434.1
U S Picketed Leads	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1
D S Picketed Leads	381.0	381.0	381.0	381.0	381.0	381.0	381.0	381.0	381.0	381.0
North Fish Ladder										
Forebay	437.5	437.7	438.0	437.7	437.3	437.7	437.9	437.6	437.7	437.5
Exit Pool	437.5	437.7	438.0	437.7	437.3	437.7	437.9	437.8	437.6	437.6
Makeup Diffuser	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2
U S Picketed Leads	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2
D S Picketed Leads	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2
Collection Channels										
South Pwrh SG4	343.1	342.7	343.1	342.7	342.0	342.0	342.0	341.9	342.5	341.9
North Pwrh SG2	342.7	342.4	342.9	342.3	341.8	341.5	341.5	342.1	342.2	341.3
North Shore SG30	341.1	341.2	341.3	341.0	341.0	341.0	340.9	341.2	341.5	340.9
Tailwater										
South Pwrh SG3	341.5	340.7	341.5	341.0	340.3	340.0	340.3	339.9	340.7	339.9
North Pwrh SG1	341.7	341.2	341.7	341.2	340.0	340.3	340.5	340.2	340.8	340.0
North Shore SG29	338.7	339.3	339.5	338.4	339.1	338.7	339.3	339.4	339.8	338.5
Entrance Weirs										
SFE 1	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
NFE 2	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
NSE 1	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
DIFFERENTIALS/DEPTHS:										
South Fish Ladder										
Ladder Exit	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Ladder Weirs	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Counting Station	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
North Fish Ladder										
Ladder Exit	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	0.1	-0.1
Ladder Weirs	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Counting Station	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Collection Channels										
South Shore	1.6	2.0	1.6	1.7	1.7	2.0	1.7	2.0	1.8	2.0
North Powerhouse	1.0	1.2	1.2	1.1	1.8	1.2	1.0	1.9	1.4	1.3
North Shore	2.4	1.9	1.8	2.6	1.9	2.3	1.6	1.8	1.7	2.4
Weir Depths										
SFE 1	9.2	8.4	9.2	8.7	8.0	7.7	8.0	7.6	8.4	7.6
NFE 2	9.4	8.9	9.4	8.9	7.7	8.0	8.2	7.9	8.5	7.7
NSE 1	6.4	7.0	7.2	6.1	6.8	6.4	7.0	7.1	7.5	6.2

CDITEDIA DOINTS.										
CRITERIA POINTS: Channel Velocities	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Differentials	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
South Fish Ladder										
	VEC	VEC	VEC	VEC	VEC	VEC	VEC	VEC	VEC	VEC
Ladder Exit	YES	YES YES	YES	YES YES	YES	YES YES	YES YES	YES	YES	YES
Ladder Weirs	YES		YES		YES			YES	YES	YES
Counting Station	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
North Fish Ladder	MEG	VEC	VIEC	MEG	MEG	MEG	MEG	VIEG	X/TDG	MEG
Ladder Exit	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Counting Station	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Collection Channels	· · ·	TIEG	TIEG	TIEG	TIEG	T.T.C	TIEG	TIPO	T TOO	· · ·
South Shore	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
North Powerhouse	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
North Shore	NO	YES	YES	NO	YES	NO	YES	YES	YES	NO
Weir Depths								~~-		
SFE 1	YES	YES	YES	YES	YES	SILL	YES	SILL	YES	SILL
NFE 2	YES	YES	YES	YES	SILL	YES	YES	SILL	YES	SILL
NSE 1	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL
CRITERIA POINTS: YES	(Output =	0, 1, or NA)								
Channel Velocities	1	1	1	1	1	1	1	1	1	1
Differentials										
South Fish Ladder										
Ladder Exit	1	1	1	1	1	1	1	1	1	1
Ladder Weirs	1	1	1	1	1	1	1	1	1	1
Counting Station	1	1	1	1	1	1	1	1	1	1
North Fish Ladder										
Ladder Exit	1	1	1	1	1	1	1	1	1	1
Ladder Weirs	1	1	1	1	1	1	1	1	1	1
Counting Station	1	1	1	1	1	1	1	1	1	1
Collection Channels										
South Shore	1	1	1	1	1	1	1	1	1	1
North Powerhouse	1	1	1	1	1	1	1	1	1	1
North Shore	1	1	1	0	1	0	1	1	1	0
Weir Depths										
SFE 1	1	1	1	1	1	0	1	0	1	0
NFE 2	1	1	1	1	0	1	1	0	1	0
NSE 1	1	0	0	0	0	0	0	0	0	0
CDITEDIA BOINTS. NO	(Ontrod	0 1 au M+								
CRITERIA POINTS: NO Channel Velocities		0, 1, or NA)	0	0	0	0	0	0	0	0
Differentials	0	0	U	U	0	0	U	0	U	U
South Fish Ladder	_	0	0	0			0	0		0
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	O	0
North Fish Ladder										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0

Collection Channels										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	1	0	1	0	0	0	1
Weir Depths										
SFE 1	0	0	0	0	0	0	0	0	0	0
NFE 2	0	0	0	0	0	0	0	0	0	0
NSE 1	0	0	0	0	0	0	0	0	0	0

CRITERIA POINTS:										
SILL	(Output =	0, 1, or NA))							
Weir Depths										
SFE 1	0	0	0	0	0	1	0	1	0	1
NFE 2	0	0	0	0	1	0	0	1	0	1
NSE 1	0	1	1	1	1	1	1	1	1	1

South Ladder Differentials (1	more than 0.2	too low)												
Ladder Exit	Not applicab	ole.												
Ladder Weirs	0	0	0	0	0	0	0	0	0	0				
Counting Station	Not applicab	ole.												
South Ladder Differentials (South Ladder Differentials (0.11 - 0.2 too low)													
Ladder Exit	Not applicable.													
Ladder Weirs	0	0	0	0	0	0	0	0	0	0				
Counting Station	Not applicable.													
South Ladder Differentials (0.01 - 0.1 too low)														
Ladder Exit	Not applicab	ole.												
Ladder Weirs	0	0	0	0	0	0	0	0	0	0				
Counting Station	Not applicable.													
South Ladder Differentials ().01 - 0.1 too l	high)												
Ladder Exit	0	0	0	0	0	0	0	0	0	0				
Ladder Weirs	0	0	0	0	0	0	0	0	0	0				
Counting Station	0	0	0	0	0	0	0	0	0	0				
South Ladder Differentials (0.11 - 0.2 too high)														
Ladder Exit	0	0	0	0	0	0	0	0	0	0				
Ladder Weirs	0	0	0	0	0	0	0	0	0	0				
Counting Station	0	0	0	0	0	0	0	0	0	0				
South Ladder Differentials (1	more than 0.2	too high)												
Ladder Exit	0	0	0	0	0	0	0	0	0	0				
Ladder Weirs	0	0	0	0	0	0	0	0	0	0				
Counting Station	0	0	0	0	0	0	0	0	0	0				
North Ladder Differentials (1	more than 0.2	too low)												
Ladder Exit	Not applicab	ole.												
Ladder Weirs	0	0	0	0	0	0	0	0	0	0				
Counting Station	Not applicab	ole.												
North Ladder Differentials (0.11 - 0.2 too	low)												
Ladder Exit	Not applicable.													
Ladder Weirs	0	0	0	0	0	0	0	0	0	0				
Counting Station	Not applicab	ole.												
North Ladder Differentials (0.01 - 0.1 too low)														
Ladder Exit	Not applicab	ole.												
Ladder Weirs	0	0	0	0	0	0	0	0	0	0				
Counting Station	Not applicab	ole.												

North Ladder Differentials (0.01 - 0.1 too high)										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Ladder Differentials (0.11 - 0.2 too high)										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Ladder Differentials (more than 0.2 too high	h)									
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (<0.80)										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (0.80 - 0.89)										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (0.90 - 0.99):										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (2.01 - 2.10)										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (2.11 - 2.20)										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (>2.20)										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	1	0	1	0	0	0	1

Entrance Weir Depths (more than 0.2 too low	/)									
SFE 1 (<7.80)	0	0	0	0	0	0	0	0	0	0
NFE 2 (< 7.80)	0	0	0	0	0	0	0	0	0	0
NSE 1 (< 7.80)	0	0	0	0	0	0	0	0	0	0
Entrance Weir Depths (0.11 - 0.2 too low)										
SFE 1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
NFE 2 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
NSE 1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
Entrance Weir Depths (0.01 - 0.1 too low)										
SFE 1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
NFE 2 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
NSE 1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0

8.0

8.2

7.1

SFE 1 NFE 2

NSE 1

7.7

7.6

6.8

7.7

7.5

6.5

8.4

7.6

6.2

7.3

7.5

6.7

7.4

7.5

6.0

8.5

8.0

6.4

8.0

8.1

6.4

8.0

7.8

6.8

7.2

7.3

6.0

APPENDIX 2 (CONTINUED). IC INSPECTIONS										
				0						
DATES:	29-Jul	30-Jul	31-Juul	4- Aug	5-Aug	7-Aug	11-Aug	12-Aug	13-Aug	14-Aug
CHANNEL VELOCITIES										
IN SOUTH FISHWAY:	2.4	2.5	2.4	2.9	2.6	2.6	2.6	2.5	3.0	2.3
ELEVATIONS:										
South Fish Ladder										
Forebay	437.5	437.8	437.8	437.8	437.8	437.8	437.7	437.7	437.6	437.6
Exit Pool	437.5	437.7	437.8	437.8	437.8	437.7	437.7	437.7	437.6	437.6
Makeup Diffuser	434.1	434.1	434.1	434.1	434.1	434.1	434.1	434.1	434.1	434.1
U S Picketed Leads	381.1	381.2	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1
D S Picketed Leads	381.0	381.0	381.0	381.0	381.0	381.0	381.0	381.0	381.0	381.0
North Fish Ladder										
Forebay	437.6	437.8	437.8	437.8	437.9	437.7	437.7	437.6	437.6	437.5
Exit Pool	437.6	437.8	437.9	437.9	438.0	437.9	437.8	437.6	437.6	437.6
Makeup Diffuser	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2
U S Picketed Leads	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2
D S Picketed Leads	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2
Collection Channels										
South Pwrh SG4	342.2	341.8	341.8	341.7	341.7	340.7	342.5	342.2	342.2	341.6
North Pwrh SG2	341.8	341.5	341.1	341.0	341.1	341.0	341.7	341.6	341.3	340.9
North Shore SG30	341.4	341.1	341.1	341.0	341.3	340.8	341.1	340.9	341.3	341.1
Tailwater										
South Pwrh SG3	340.3	340.0	340.0	340.7	339.6	339.7	340.8	340.3	340.3	339.5
North Pwrh SG1	340.5	339.9	339.8	339.9	339.8	339.8	340.3	340.4	340.1	339.6
North Shore SG29	339.4	339.1	338.8	338.5	339.0	338.3	338.7	338.7	339.1	338.3
Entrance Weirs										
SFE 1	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
NFE 2	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
NSE 1	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
DIFFERENTIALS/DEPTHS:										
South Fish Ladder										
Ladder Exit	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Ladder Weirs	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Counting Station	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
North Fish Ladder										
Ladder Exit	0.0	0.0	-0.1	-0.1	-0.1	-0.2	-0.1	0.0	0.0	-0.1
Ladder Weirs	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Counting Station	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Collection Channels	0.0	J.0	J.0	0.0		0.0	0.0			0.0
South Shore	1.9	1.8	1.8	1.0	2.1	1.0	1.7	1.9	1.9	2.1
North Powerhouse	1.3	1.6	1.3	1.1	1.3	1.2	1.4	1.2	1.2	1.3
North Shore	2.0	2.0	2.3	2.5	2.3	2.5	2.4	2.2	2.2	2.8
Weir Depths	2.0	2.0	۷.5	2.3	۷.5	2.3	۷.٦	۷.۷	۷.۷	2.0
CEE 1	9.0	7.7	77	0.4	7.2	7.4	0.5	9.0	9.0	7.2

CRITERIA POINTS:										
Channel Velocities	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Differentials										
South Fish Ladder										
Ladder Exit	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Counting Station	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
North Fish Ladder										
Ladder Exit	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Counting Station	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Collection Channels										
South Shore	YES	YES	YES	YES	NO	YES	YES	YES	YES	NO
North Powerhouse	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
North Shore	YES	YES	NO							
Weir Depths										
SFE 1	YES	SILL	SILL	YES	SILL	SILL	YES	YES	YES	SILL
NFE 2	YES	SILL	SILL	SILL	SILL	SILL	YES	YES	SILL	SILL
NSE 1	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL
CRITERIA POINTS: YES	(Output =	0, 1, or NA)								
Channel Velocities	1	1	1	1	1	1	1	1	1	1
Differentials										
South Fish Ladder										
Ladder Exit	1	1	1	1	1	1	1	1	1	1
Ladder Weirs	1	1	1	1	1	1	1	1	1	1
Counting Station	1	1	1	1	1	1	1	1	1	1
North Fish Ladder										
Ladder Exit	1	1	1	1	1	1	1	1	1	1
Ladder Weirs	1	1	1	1	1	1	1	1	1	1
Counting Station	1	1	1	1	1	1	1	1	1	1
Collection Channels										
South Shore	1	1	1	1	0	1	1	1	1	0
North Powerhouse	1	1	1	1	1	1	1	1	1	1
North Shore	0	1	0	0	0	0	0	0	0	0
Weir Depths										
SFE 1	0	0	0	1	0	0	1	1	1	0
NFE 2	0	0	0	0	0	0	1	1	0	0
NSE 1	0	0	0	0	0	0	0	0	0	0
CRITERIA POINTS: NO	(Qutnut =	0, 1, or NA)								
Channel Velocities	(Output ()	0, 1, 01 1(11)	0	0	0	0	0	0	0	0
Differentials	T T									
South Fish Ladder										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Fish Ladder	T T									
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0

Collection Channels										
South Shore	0	0	0	0	1	0	0	0	0	1
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	1	0	1	1	1	1	1	1	1	1
Weir Depths										
SFE 1	0	0	0	0	0	0	0	0	0	0
NFE 2	0	0	0	0	0	0	0	0	0	0
NSE 1	0	0	0	0	0	0	0	0	0	0

CRITERIA POINTS: SILL		0, 1, or NA	1							
Weir Depths	(Output	0, 1, 01 1111	,							
SFE 1	1	1	1	0	1	1	0	0	0	1
NFE 2	1	1	1	1	1	1	0	0	1	1
NSE 1	1	1	1	1	1	1	1	1	1	1

South Ladder Differentials (1	more than 0.2	too low)								
Ladder Exit	Not applicab	ole.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicab	ole.								
South Ladder Differentials ().11 - 0.2 too l	low)								
Ladder Exit	Not applicab	ole.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicab	ole.								
South Ladder Differentials (0.01 - 0.1 too l	low)								
Ladder Exit	Not applicab	ole.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicab	ole.								
South Ladder Differentials ().01 - 0.1 too l	high)								
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
South Ladder Differentials ().11 - 0.2 too l	high)								
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
South Ladder Differentials (1	more than 0.2	too high)								
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Ladder Differentials (1	more than 0.2	too low)								
Ladder Exit	Not applicab	ole.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicab	ole.								
North Ladder Differentials (0.11 - 0.2 too	low)								
Ladder Exit	Not applicab	ole.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicab	ole.								
North Ladder Differentials (0.01 - 0.1 too	low)								
Ladder Exit	Not applicab	ole.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicab	ole.								

North Ladder Differentials (0.01 - 0.1 too high)										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Ladder Differentials (0.11 - 0.2 too high)										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Ladder Differentials (more than 0.2 too high	.)									
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (<0.80)										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (0.80 - 0.89)										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (0.90 - 0.99):										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (2.01 - 2.10)										
South Shore	0	0	0	0	1	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (2.11 - 2.20)										
South Shore	0	0	0	0	0	0	0	0	0	1
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	1	1	0
Channel/Tailwater Differentials (>2.20)										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	1	0	- 1	1	1	1	1	0	0	1

Entrance Weir Depths (more than 0.2 too lo	w)									
SFE 1 (< 7.80)	0	0	0	0	0	0	0	0	0	0
NFE 2 (<7.80)	0	0	0	0	0	0	0	0	0	0
NSE 1 (<7.80)	0	0	0	0	0	0	0	0	0	0
Entrance Weir Depths (0.11 - 0.2 too low)										
SFE 1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
NFE 2 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
NSE 1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
Entrance Weir Depths (0.01 - 0.1 too low)										
SFE 1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
NFE 2 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
NSE 1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0

DATES:	18-Aug	19-Aug	21-Aug	26-Aug	27-Aug	28-Aug	2-Sep	3-Sep	4-Sep	8-Sep
CHANNEL VELOCITIES										
IN SOUTH FISHWAY:	2.6	3.2	2.9	2.9	2.8	2.9	3.0	2.4	2.6	2.6
ELEVATIONS:										
South Fish Ladder										
Forebay	437.4	437.5	437.8	437.5	437.8	437.7	439.6	439.6	439.5	439.4
Exit Pool	437.4	437.5	437.8	437.5	437.7	437.7	439.6	439.6	439.5	439.4
Makeup Diffuser	434.1	434.1	434.1	434.1	434.1	434.1	434.1	434.1	434.1	434.1
U S Picketed Leads	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1
D S Picketed Leads	381.0	381.0	381.0	381.0	381.0	381.0	381.0	381.0	381.0	381.0
North Fish Ladder										
Forebay	437.5	437.5	437.8	437.6	437.8	437.8	439.5	439.4	439.5	439.5
Exit Pool	437.5	437.3	437.8	437.6	437.8	437.9	439.5	439.5	439.5	439.5
Makeup Diffuser	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2
U S Picketed Leads	434.2	434.2	434.2	434.2	434.2	434.2	434.3	434.3	434.2	434.2
D S Picketed Leads	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2
Collection Channels										
South Pwrh SG4	341.3	341.3	341.6	341.3	341.0	341.5	341.7	341.5	341.3	341.5
North Pwrh SG2	340.7	340.7	341.0	340.7	340.6	340.8	341.7	341.1	341.0	341.1
North Shore SG30	340.6	340.6	340.5	340.6	340.8	340.7	341.6	341.4	341.3	341.3
Tailwater										
South Pwrh SG3	339.1	339.1	339.6	339.3	339.1	339.5	339.8	339.5	339.4	339.5
North Pwrh SG1	339.2	339.2	339.7	339.5	339.3	339.5	339.8	339.6	339.4	339.6
North Shore SG29	337.4	338.0	338.2	337.6	338.7	338.1	339.8	339.6	339.3	339.8
Entrance Weirs										
SFE 1	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
NFE 2	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
NSE 1	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
DIFFERENTIALS/DEPTHS:										
South Fish Ladder										
Ladder Exit	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Ladder Weirs	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Counting Station	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
North Fish Ladder										
Ladder Exit	0.0	0.2	0.0	0.0	0.0	-0.1	0.0	-0.1	0.0	0.0
Ladder Weirs	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Counting Station	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0
Collection Channels										
South Shore	2.2	2.2	2.0	2.0	1.9	2.0	1.9	2.0	1.9	2.0
North Powerhouse	1.5	1.5	1.3	1.2	1.3	1.3	1.9	1.5	1.6	1.5
North Shore	3.2	2.6	2.3	3.0	2.1	2.6	1.8	1.8	2.0	1.5
Weir Depths										
SFE 1	6.8	6.8	7.3	7.0	6.8	7.2	7.5	7.2	7.1	7.2
NFE 2	6.9	6.9	7.4	7.2	7.0	7.2	7.5	7.3	7.1	7.3
NSE 1	5.1	5.7	5.9	5.3	6.4	5.8	7.5	7.3	7.0	7.5

CDITEDIA DOINTO										
CRITERIA POINTS:	VEC	VEC	VEC	VEC	VEC	VEC	VEC	VEC	VEC	VEC
Channel Velocities Differentials	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
South Fish Ladder	MEG	VEC	VEC	VEC	VEC	VEC	VEC	VEC	MEG	MEG
Ladder Exit	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Counting Station	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
North Fish Ladder	MEG	VEC	VEC	VEC	VEC	VEC	VEC	VEC	MEG	VEC
Ladder Exit	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Counting Station	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Collection Channels	270	110	TIEG	TIEG	TIEG	· · ·	TIEG	TIEG	T TOO	TIEG
South Shore	NO	NO	YES	YES	YES	YES	YES	YES	YES	YES
North Powerhouse	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
North Shore	NO	NO	NO	NO	NO	NO	YES	YES	YES	YES
Weir Depths		~	~*	~~-				~~-		
SFE 1	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL
NFE 2	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL
NSE 1	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL
CRITERIA POINTS: YES	(Output =	0, 1, or NA)								
Channel Velocities	1	1	1	1	1	1	1	1	1	1
Differentials										
South Fish Ladder										
Ladder Exit	1	1	1	1	1	1	1	1	1	1
Ladder Weirs	1	1	1	1	1	1	1	1	1	1
Counting Station	1	1	1	1	1	1	1	1	1	1
North Fish Ladder										
Ladder Exit	1	1	1	1	1	1	1	1	1	1
Ladder Weirs	1	1	1	1	1	1	1	1	1	1
Counting Station	1	1	1	1	1	1	1	1	1	1
Collection Channels										
South Shore	1	0	1	1	1	1	1	1	1	1
North Powerhouse	1	1	1	1	1	1	1	1	1	1
North Shore	0	0	0	0	0	0	1	1	1	1
Weir Depths										
SFE 1	1	0	0	0	0	0	0	0	0	0
NFE 2	0	0	0	0	0	0	0	0	0	0
NSE 1	0	0	0	0	0	0	0	0	0	0
CRITERIA POINTS: NO	(Output	0, 1, or NA)								
Channel Velocities	(Output – ()	0, 1, 0r NA) 0	0	0	0	0	0	0	0	0
Differentials	0	0	0	0		0	0	0	9	· ·
South Fish Ladder										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Exit Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Fish Ladder	0	0	- 0	0	0	0	0	0	0	0
North Fish Ladder Ladder Exit	Δ.	0	0	0	0	0	0	0	0	0
Ladder Exit Ladder Weirs	0	0					0			
Counting Station	0	0	0	0	0	0	0	0	0	0
Counting Station	U	U	0	0	U	U	0	0	U	U I

Collection Channels										
South Shore	0	1	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	1	1	1	1	1	1	0	0	0	0
Weir Depths										
SFE 1	0	0	0	0	0	0	0	0	0	0
NFE 2	0	0	0	0	0	0	0	0	0	0
NSE 1	0	0	0	0	0	0	0	0	0	0

CRITERIA POINTS: SILL		0, 1, or NA								
Weir Depths	(Output	0, 1, 01 1111	'							
SFE 1	0	1	1	1	1	1	1	1	1	1
NFE 2	1	1	1	1	1	1	1	1	1	1
NSE 1	1	1	1	1	1	1	1	1	1	1

South Ladder Differentials (1	more than 0.2	too low)								
Ladder Exit	Not applicab	ole.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicab	ole.								
South Ladder Differentials ().11 - 0.2 too l	low)								
Ladder Exit	Not applicab	ole.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicab	ole.								
South Ladder Differentials (0.01 - 0.1 too l	low)								
Ladder Exit	Not applicab	ole.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicab	ole.								
South Ladder Differentials ().01 - 0.1 too l	high)								
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
South Ladder Differentials ().11 - 0.2 too l	high)								
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
South Ladder Differentials (1	more than 0.2	too high)								
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Ladder Differentials (1	more than 0.2	too low)								
Ladder Exit	Not applicab	ole.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicab	ole.								
North Ladder Differentials (0.11 - 0.2 too	low)								
Ladder Exit	Not applicab	ole.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicab	ole.								
North Ladder Differentials (0.01 - 0.1 too	low)								
Ladder Exit	Not applicab	ole.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicab	ole.								

North Ladder Differentials (0.01 - 0.1 too high)										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Ladder Differentials (0.11 - 0.2 too high)				<u> </u>			<u> </u>	<u> </u>		_
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Ladder Differentials (more than 0.2 too hig	h)									
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (<0.80)										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (0.80 - 0.89)										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (0.90 - 0.99):										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (2.01 - 2.10)										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (2.11 - 2.20)										
South Shore	0	1	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	1	0	0	0	1	0	0	0	0	0
Channel/Tailwater Differentials (>2.20)										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	1	1	1	0	1	0	0	0	0

Entrance Weir Depths (more than 0.2 too low	v)									
SFE 1 (< 7.80)	0	0	0	0	0	0	0	0	0	0
NFE 2 (< 7.80)	0	0	0	0	0	0	0	0	0	0
NSE 1 (<7.80)	0	0	0	0	0	0	0	0	0	0
Entrance Weir Depths (0.11 - 0.2 too low)										
SFE 1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
NFE 2 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
NSE 1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
Entrance Weir Depths (0.01 - 0.1 too low)										
SFE 1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
NFE 2 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
NSE 1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0

DATES:	9-Sep	10-Sep	11-Sep	15-Sep	16-Sep	17-Sep	22-Sep	23-Sep	24-Sep	25-Sep
CHANNEL VELOCITIES										
IN SOUTH FISHWAY:	2.9	2.9	2.8	2.2	2.8	2.2	2.5	2.4	2.4	3.0
ELEVATIONS:										
South Fish Ladder										
Forebay	439.5	439.1	439.3	438.8	439.0	439.3	439.0	439.0	437.9	437.8
Exit Pool	439.5	439.1	439.3	438.7	439.0	439.3	439.0	438.9	437.9	437.8
Makeup Diffuser	434.1	434.1	434.1	434.1	434.1	434.1	434.1	434.1	434.1	434.1
U S Picketed Leads	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1
D S Picketed Leads	381.0	381.0	381.0	381.0	381.0	381.0	381.0	381.0	381.0	381.0
North Fish Ladder										
Forebay	439.5	439.1	439.2	438.9	439.0	439.3	439.0	439.0	437.9	437.8
Exit Pool	439.5	439.1	439.2	439.0	439.2	439.4	439.1	439.0	437.9	437.8
Makeup Diffuser	434.2	434.1	434.2	434.2	434.2	434.2	434.2	434.2	434.1	434.2
U S Picketed Leads	434.3	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.3
D S Picketed Leads	434.2	434.1	434.2	434.2	434.2	434.2	434.2	434.2	434.1	434.2
Collection Channels										
South Pwrh SG4	341.5	340.7	341.2	342.0	341.4	341.3	341.7	341.7	342.7	341.1
North Pwrh SG2	341.2	340.4	340.7	341.6	340.9	340.9	341.2	341.3	342.5	340.7
North Shore SG30	341.2	340.8	341.0	341.0	341.2	341.1	341.5	341.5	342.7	341.0
Tailwater										
South Pwrh SG3	339.5	338.7	339.2	340.1	339.4	339.4	339.9	340.0	341.0	339.2
North Pwrh SG1	339.5	338.7	339.2	340.1	339.4	339.4	339.9	340.0	341.2	339.2
North Shore SG29	339.5	338.8	339.2	340.0	339.4	339.3	340.1	340.0	341.1	339.2
Entrance Weirs										
SFE 1	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
NFE 2	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
NSE 1	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
DIFFERENTIALS/DEPTHS:										
South Fish Ladder										
Ladder Exit	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0
Ladder Weirs	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Counting Station	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
North Fish Ladder										
Ladder Exit	0.0	0.0	0.0	-0.1	-0.2	-0.1	-0.1	0.0	0.0	0.0
Ladder Weirs	1.2	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.2
Counting Station	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
Collection Channels										
South Shore	2.0	2.0	2.0	1.9	2.0	1.9	1.8	1.7	1.7	1.9
North Powerhouse	1.7	1.7	1.5	1.5	1.5	1.5	1.3	1.3	1.3	1.5
North Shore	1.7	2.0	1.8	1.0	1.8	1.8	1.4	1.5	1.6	1.8
Weir Depths										
SFE 1	7.2	6.4	6.9	7.8	7.1	7.1	7.6	7.7	8.7	6.9
NFE 2	7.2	6.4	6.9	7.8	7.1	7.1	7.6	7.7	8.9	6.9
NSE 1	7.2	6.5	6.9	7.7	7.1	7.0	7.8	7.7	8.8	6.9

CDITEDIA DOINTO										
CRITERIA POINTS: Channel Velocities	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Differentials	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
South Fish Ladder										
	VEC	VEC	VEC	VEC	VEC	VEC	VEC	VEC	VEC	VEC
Ladder Exit	YES	YES YES	YES	YES YES	YES	YES YES	YES YES	YES	YES	YES
Ladder Weirs	YES		YES		YES			YES	YES	YES
Counting Station	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
North Fish Ladder	MEG	VEC	VIEC	MEG	MEG	MEG	VIEC	VIEG	ATEC	MEG
Ladder Exit	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Counting Station	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Collection Channels					*****	*****				
South Shore	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
North Powerhouse	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
North Shore	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Weir Depths		~~-	~*	~~-		~	~	~~-		
SFE 1	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	YES	SILL
NFE 2	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	YES	SILL
NSE 1	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	YES	SILL
CRITERIA POINTS: YES	(Output =	0, 1, or NA)								
Channel Velocities	1	1	1	1	1	1	1	1	1	1
Differentials										
South Fish Ladder										
Ladder Exit	1	1	1	1	1	1	1	1	1	1
Ladder Weirs	1	1	1	1	1	1	1	1	1	1
Counting Station	1	1	1	1	1	1	1	1	1	1
North Fish Ladder										
Ladder Exit	1	1	1	1	1	1	1	1	1	1
Ladder Weirs	1	1	1	1	1	1	1	1	1	1
Counting Station	1	1	1	1	1	1	1	1	1	1
Collection Channels										
South Shore	1	1	1	1	1	1	1	1	1	1
North Powerhouse	1	1	1	1	1	1	1	1	1	1
North Shore	1	1	1	1	1	1	1	1	1	1
Weir Depths										
SFE 1	0	0	0	0	0	0	0	0	1	0
NFE 2	0	0	0	0	0	0	0	0	1	0
NSE 1	0	0	0	0	0	0	0	0	1	0
CRITERIA POINTS: NO	(Output	0, 1, or NA)								
Channel Velocities	(Output = ()	0, 1, or NA)	0	0	0	0	0	0	0	0
Differentials	0	0	- 0	0	0	0	0	0	- 0	0
South Fish Ladder	_	0	0	0	0	Α	0	0	0	0
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0		0	0	0	0		0		0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Fish Ladder										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0

Collection Channels										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Weir Depths										
SFE 1	0	0	0	0	0	0	0	0	0	0
NFE 2	0	0	0	0	0	0	0	0	0	0
NSE 1	0	0	0	0	0	0	0	0	0	0

CRITERIA POINTS: SILL		0, 1, or NA)							
Weir Depths	(Output	0, 1, 01 1111	,							
SFE 1	1	1	1	1	1	1	1	1	0	1
NFE 2	1	1	1	1	1	1	1	1	0	1
NSE 1	1	1	1	1	1	1	1	1	0	1

South Ladder Differentials (1	more than 0.2	too low)								
Ladder Exit	Not applicab	ole.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicab	ole.								
South Ladder Differentials ().11 - 0.2 too l	low)								
Ladder Exit	Not applicab	ole.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicab	ole.								
South Ladder Differentials (0.01 - 0.1 too l	low)								
Ladder Exit	Not applicab	ole.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicab	ole.								
South Ladder Differentials ().01 - 0.1 too l	high)								
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
South Ladder Differentials ().11 - 0.2 too l	high)								
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
South Ladder Differentials (1	more than 0.2	too high)								
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Ladder Differentials (1	more than 0.2	too low)								
Ladder Exit	Not applicab	ole.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicab	ole.								
North Ladder Differentials (0.11 - 0.2 too	low)								
Ladder Exit	Not applicab	ole.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicab	ole.								
North Ladder Differentials (0.01 - 0.1 too	low)								
Ladder Exit	Not applicab	ole.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicab	ole.								

North Ladder Differentials (0.01 Ladder Exit Ladder Weirs Counting Station	0	_								
Ladder Weirs	ranga da santa da sa	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Ladder Differentials (0.11				<u> </u>		<u> </u>		<u> </u>	<u> </u>	
Ladder Exit	0.2 too mg.:)	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Ladder Differentials (more	e than 0.2 too high)									
Ladder Exit	2 / <mark>0</mark>	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials ((<0.80)									
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials ((0.80 - 0.89)									
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials ((0.90 - 0.99):									
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	_ 0_	0	0	0	0	0	0	0	0	0
	(5.2.20)									
Channel/Tailwater Differentials (0	0	0	0	0	0	0	0	0
South Shore	0	0	0		0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	_0_	0	U	U	U	U	0	0	0	0

Entrance Weir Depths (more than 0.2 too low	v)									
SFE 1 (<7.80)	0	0	0	0	0	0	0	0	0	0
NFE 2 (< 7.80)	0	0	0	0	0	0	0	0	0	0
NSE 1 (< 7.80)	0	0	0	0	0	0	0	0	0	0
Entrance Weir Depths (0.11 - 0.2 too low)										
SFE 1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
NFE 2 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
NSE 1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
Entrance Weir Depths (0.01 - 0.1 too low)										
SFE 1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
NFE 2 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
NSE 1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0

DATES:	29-Sep	30-Sep	1-Oct	6-Oct	7-Oct	8-Oct	9-Oct	14-Oct	15-Oct	16-Oc
CHANNEL VELOCITIES										
IN SOUTH FISHWAY:	2.6	2.7	2.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8
ELEVATIONS:										
South Fish Ladder										
Forebay	438.7	438.7	438.5	438.8	438.8	439.0	439.0	439.0	438.8	439.0
Exit Pool	438.6	438.7	438.5	438.8	438.8	439.0	439.0	439.0	438.8	439.0
Makeup Diffuser	434.1	434.1	434.1	434.1	434.1	434.1	434.1	434.1	434.1	434.1
U S Picketed Leads	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1
D S Picketed Leads	381.0	381.0	381.0	381.0	381.0	381.0	381.0	381.0	381.0	381.0
North Fish Ladder										
Forebay	438.6	438.6	438.5	438.9	438.8	439.0	439.0	439.1	438.7	439.0
Exit Pool	438.6	438.6	438.5	438.9	438.8	439.0	439.0	439.2	438.7	439.0
Makeup Diffuser	434.2	434.1	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2
U S Picketed Leads	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2
D S Picketed Leads	434.2	434.1	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2
Collection Channels										
South Pwrh SG4	341.0	341.7	342.4	341.7	341.1	341.8	341.4	341.2	341.6	341.7
North Pwrh SG2	340.6	341.3	341.5	341.4	340.7	341.2	341.0	340.8	341.2	341.3
North Shore SG30	341.0	341.2	341.6	341.6	340.9	341.4	340.8	340.9	341.4	341.6
Tailwater										
South Pwrh SG3	339.0	339.9	340.6	339.8	339.3	339.9	339.4	339.2	339.7	339.9
North Pwrh SG1	339.0	339.9	340.3	339.9	339.4	340.0	339.5	339.2	339.8	340.0
North Shore SG29	339.1	339.5	340.1	340.0	339.4	339.7	339.2	339.0	339.8	340.2
Entrance Weirs										
SFE 1	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
NFE 2	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
NSE 1	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
DIFFERENTIALS/DEPTHS:										
South Fish Ladder										
Ladder Exit	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ladder Weirs	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Counting Station	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
North Fish Ladder										
Ladder Exit	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0
Ladder Weirs	1.2	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Counting Station	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Collection Channels	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
South Shore	2.0	1.8	1.8	1.9	1.8	1.9	2.0	2.0	1.9	1.8
North Powerhouse	1.6	1.4	1.2	1.5	1.3	1.2	1.5	1.6	1.4	1.3
North Shore	1.9	1.7	1.5	1.6	1.5	1.7	1.6	1.9	1.6	1.4
Weir Depths										
SFE 1	6.7	7.6	8.3	7.5	7.0	7.6	7.1	6.9	7.4	7.6
NFE 2	6.7	7.6	8.0	7.6	7.1	7.7	7.2	6.9	7.5	7.7
NSE 1	6.8	7.2	7.8	7.7	7.1	7.4	6.9	6.7	7.5	7.9

CDITEDIA DOINTO										
CRITERIA POINTS:	VEC	VEC	VEC	VEC	VEC	VEC	VEC	VEC	VEC	VEC
Channel Velocities Differentials	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
South Fish Ladder	VEC	VEC	VEC	VEC	VEC	VEC	VEC	VEC	VEC	VEC
Ladder Exit	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Counting Station	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
North Fish Ladder	· · ·	TIEG	TIEG	TIEG	TIEG	T.T.C	TIEG	TIEG	TIEG	TIPO
Ladder Exit	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Counting Station	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Collection Channels										
South Shore	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
North Powerhouse	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
North Shore	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Weir Depths										
SFE 1	SILL	SILL	YES	SILL	SILL	SILL	SILL	SILL	SILL	SILL
NFE 2	SILL	SILL	YES	SILL	SILL	SILL	SILL	SILL	SILL	SILL
NSE 1	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL
CRITERIA POINTS: YES	(Output =	0, 1, or NA)								
Channel Velocities	1	1	1	1	1	1	1	1	1	1
Differentials										
South Fish Ladder										
Ladder Exit	1	1	1	1	1	1	1	1	1	1
Ladder Weirs	1	1	1	1	1	1	1	1	1	1
Counting Station	1	1	1	1	1	1	1	1	1	1
North Fish Ladder										
Ladder Exit	1	1	1	1	1	1	1	1	1	1
Ladder Weirs	1	1	1	1	1	1	1	1	1	1
Counting Station	1	1	1	1	1	1	1	1	1	1
Collection Channels										
South Shore	1	1	1	1	1	1	1	1	1	1
North Powerhouse	1	1	1	1	1	1	1	1	1	1
North Shore	1	1	1	1	1	1	1	1	1	1
Weir Depths										
SFE 1	1	0	1	0	0	0	0	0	0	0
NFE 2	1	0	1	0	0	0	0	0	0	0
NSE 1	1	0	0	0	0	0	0	0	0	0
CDIFFEDIA DODIFFE NO	(0.1.1	0.4								
CRITERIA POINTS: NO		0, 1, or NA)		0			0	0	0	0
Channel Velocities	0	0	0	0	0	0	0	0	0	0
Differentials										
South Fish Ladder	_									
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Fish Ladder										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0

Collection Channels										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Weir Depths										
SFE 1	0	0	0	0	0	0	0	0	0	0
NFE 2	0	0	0	0	0	0	0	0	0	0
NSE 1	0	0	0	0	0	0	0	0	0	0

CRITERIA POINTS:										
SILL	(Output =	0, 1, or NA))							
Weir Depths										
SFE 1	0	1	0	1	1	1	1	1	1	1
NFE 2	0	1	0	1	1	1	1	1	1	1
NSE 1	0	1	1	1	1	1	1	1	1	1

South Ladder Differentials (1	more than 0.2	too low)								
Ladder Exit	Not applicab	ole.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicab	ole.								
South Ladder Differentials ().11 - 0.2 too l	low)								
Ladder Exit	Not applicab	ole.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicab	ole.								
South Ladder Differentials (0.01 - 0.1 too l	low)								
Ladder Exit	Not applicab	ole.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicab	ole.								
South Ladder Differentials ().01 - 0.1 too l	high)								
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
South Ladder Differentials ().11 - 0.2 too l	high)								
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
South Ladder Differentials (1	more than 0.2	too high)								
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Ladder Differentials (1	more than 0.2	too low)								
Ladder Exit	Not applicab	ole.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicab	ole.								
North Ladder Differentials (0.11 - 0.2 too	low)								
Ladder Exit	Not applicab	ole.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicab	ole.								
North Ladder Differentials (0.01 - 0.1 too	low)								
Ladder Exit	Not applicab	ole.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicab	ole.								

North Ladder Differentials (0.01 - 0.1 too high)										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Ladder Differentials (0.11 - 0.2 too high)										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Ladder Differentials (more than 0.2 too high	zh)									
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (<0.80)										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (0.80 - 0.89)										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (0.90 - 0.99):										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (2.01 - 2.10)										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (2.11 - 2.20)										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (>2.20)										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0

Entrance Weir Depths (more than 0.2 too low	v)									
SFE 1 (<7.80)	0	0	0	0	0	0	0	0	0	0
NFE 2 (< 7.80)	0	0	0	0	0	0	0	0	0	0
NSE 1 (< 7.80)	0	0	0	0	0	0	0	0	0	0
Entrance Weir Depths (0.11 - 0.2 too low)										
SFE 1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
NFE 2 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
NSE 1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
Entrance Weir Depths (0.01 - 0.1 too low)										
SFE 1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
NFE 2 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
NSE 1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0

APPENDIX 2 (CONTINUED). IC						0	•			
DATES:	21-Oct	22-Oct	23-Oct	28-Oct	29-Oct	30-Oct	3-Nov	4-Nov	6-Nov	10-Nov
CHANNEL VELOCITIES										
IN SOUTH FISHWAY:	2.2	2.6	2.3	2.4	2.4	2.0	2.4	2.6	2.8	2.3
ELEVATIONS:										
South Fish Ladder										
Forebay	439.2	439.0	439.1	439.1	439.0	439.0	439.3	439.1	439.2	438.5
Exit Pool	439.2	439.0	439.1	439.1	439.0	439.0	439.2	439.1	439.2	438.5
Makeup Diffuser	434.1	434.1	434.1	434.1	434.1	434.1	434.1	434.1	434.1	434.1
U S Picketed Leads	381.1	381.1	381.1	381.1	381.2	381.1	381.1	381.1	381.1	381.1
D S Picketed Leads	381.0	381.0	381.0	381.0	381.1	381.0	381.1	381.1	381.1	381.1
North Fish Ladder										
Forebay	439.2	439.0	439.1	439.1	439.0	439.0	439.4	439.1	439.3	438.5
Exit Pool	439.2	439.0	439.1	439.1	439.1	439.0	439.3	439.2	439.3	438.5
Makeup Diffuser	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.1	434.1	434.2
U S Picketed Leads	434.2	434.2	434.2	434.2	434.3	434.3	434.2	434.1	434.1	434.2
D S Picketed Leads	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.1	434.1	434.2
Collection Channels										
South Pwrh SG4	341.4	341.4	341.2	342.0	342.1	341.7	341.9	342.0	341.4	342.4
North Pwrh SG2	341.0	341.4	340.9	341.5	341.7	341.3	341.3	341.4	340.7	341.9
North Shore SG30	341.3	341.5	341.2	341.9	341.7	341.4	341.5	341.6	341.2	341.5
Tailwater										
South Pwrh SG3	339.5	340.1	339.3	340.2	340.3	339.7	339.9	340.0	339.3	340.7
North Pwrh SG1	339.6	340.1	339.4	340.2	340.3	339.7	339.9	340.0	339.4	340.7
North Shore SG29	339.7	340.1	339.5	340.1	340.3	339.8	340.0	340.3	339.7	340.0
Entrance Weirs										
SFE 1	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
NFE 2	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
NSE 1	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
DIFFERENTIALS/DEPTHS:										
South Fish Ladder										
Ladder Exit	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Ladder Weirs	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Counting Station	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
North Fish Ladder										
Ladder Exit	0.0	0.0	0.0	0.0	-0.1	0.0	0.1	-0.1	0.0	0.0
Ladder Weirs	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.2
Counting Station	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
Collection Channels	0.0	0.0	0.0	0.0	0.1	V.1	0.0	0.0	0.0	0.0
South Shore	1.9	1.3	1.9	1.8	1.8	2.0	2.0	2.0	2.1	1.7
North Powerhouse	1.4	1.3	1.5	1.3	1.4	1.6	1.4	1.4	1.3	1.2
North Shore	1.6	1.4	1.7	1.8	1.4	1.6	1.5	1.3	1.5	1.5
Weir Depths	1.0	1.7	1./	1.0	1.7	1.0	1.5	1.5	1.5	1.5
SFE 1	7.2	7.8	7.0	7.9	8.0	7.4	7.6	7.7	7.0	8.4
NFE 2	7.2	7.8	7.0	7.9	8.0	7.4	7.6	7.7	7.0	8.4
NSE 1	7.3 7.4	7.8	7.1	7.8	8.0	7.5	7.7	8.0	7.1 7.4	7.7
INDE I	/.4	7.0	1.4	7.0	0.0	1.3	1.1	0.0	7.4	/./

CDITEDIA DOINTO										
CRITERIA POINTS: Channel Velocities	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Differentials	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
South Fish Ladder										
	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Exit		YES		YES		YES	YES			
Ladder Weirs Counting Station	YES YES	YES	YES YES	YES	YES YES	YES	YES	YES YES	YES YES	YES YES
North Fish Ladder	IES	I ES	IES	IES	IES	IES	IES	IES	IES	IES
Ladder Exit	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Counting Station	IES	I ES	IES	IES	IES	IES	IES	IES	IES	IES
Collection Channels	VEC	VEC	VEC	VEC	VEC	VEC	VEC	VEC	NO	VEC
South Shore	YES	YES	YES	YES	YES	YES	YES	YES	NO	YES
North Powerhouse	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
North Shore	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Weir Depths	CILI	CILI	CILI	CILI	VEC	CILI	CILI	CILI	CILI	VEC
SFE 1	SILL	SILL	SILL	SILL	YES	SILL	SILL	SILL	SILL	YES
NFE 2	SILL	SILL	SILL	SILL	YES	SILL	SILL	SILL	SILL	YES
NSE 1	SILL	SILL	SILL	SILL	YES	SILL	SILL	YES	SILL	SILL
CRITERIA POINTS: YES	(Output =	0, 1, or NA)								
Channel Velocities	1	1	1	1	1	1	1	1	1	1
Differentials										
South Fish Ladder										
Ladder Exit	1	1	1	1	1	1	1	1	1	1
Ladder Weirs	1	1	1	1	1	1	1	1	1	1
Counting Station	1	1	1	1	1	1	1	1	1	1
North Fish Ladder										
Ladder Exit	1	1	1	1	1	1	1	1	1	1
Ladder Weirs	1	1	1	1	1	1	1	1	1	1
Counting Station	1	1	1	1	1	1	1	1	1	1
Collection Channels										
South Shore	1	1	1	1	1	1	1	1	0	1
North Powerhouse	1	1	1	1	1	1	1	1	1	1
North Shore	1	1	1	1	1	1	1	1	1	1
Weir Depths										
SFE 1	0	0	0	0	1	0	0	0	0	1
NFE 2	0	0	0	0	1	0	0	0	0	1
NSE 1	0	0	0	0	1	0	0	1	0	0
CRITERIA POINTS: NO	(Output =	0, 1, or NA)								
Channel Velocities	0	0	0	0	0	0	0	0	0	0
Differentials										
South Fish Ladder										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Fish Ladder										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0

Collection Channels										
South Shore	0	0	0	0	0	0	0	0	1	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Weir Depths										
SFE 1	0	0	0	0	0	0	0	0	0	0
NFE 2	0	0	0	0	0	0	0	0	0	0
NSE 1	0	0	0	0	0	0	0	0	0	0

CRITERIA POINTS: SILL		• 0, 1, or NA)							
Weir Depths	(Output	0, 1, 01 1 111	,							
SFE 1	1	1	1	1	0	1	1	1	1	0
NFE 2	1	1	1	1	0	1	1	1	1	0
NSE 1	1	1	1	1	0	1	1	0	1	1

South Ladder Differentials (1										
Ladder Exit	Not applicab									
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicab									
South Ladder Differentials (
Ladder Exit	Not applicab									
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicab	ole.								
South Ladder Differentials ().01 - 0.1 too l	ow)								
Ladder Exit	Not applicab	le.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicab	le.								
South Ladder Differentials ().01 - 0.1 too l	nigh)								
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
South Ladder Differentials ().11 - 0.2 too l	nigh)								
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
South Ladder Differentials (1	more than 0.2	too high)								
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Ladder Differentials (1	more than 0.2	too low)								
Ladder Exit	Not applicab	le.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicab	le.								
North Ladder Differentials (0.11 - 0.2 too l	ow)								
Ladder Exit	Not applicab	le.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicab	le.								
North Ladder Differentials (0.01 - 0.1 too l	ow)								
Ladder Exit	Not applicab									
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicab	le.								

North Ladder Differentials (0.01 - 0.1 too high)										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Ladder Differentials (0.11 - 0.2 too high)					<u> </u>	<u> </u>		<u> </u>		, and the second
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Ladder Differentials (more than 0.2 too hig	h)									
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (<0.80)										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (0.80 - 0.89)										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (0.90 - 0.99):										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (2.01 - 2.10)		_	_		_	_				_
South Shore	0	0	0	0	0	0	0	0	1	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (2.11 - 2.20)	0	0	0	0	0	0	0	0	0	0
South Shore North Powerhouse	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
North Shore	U	U	U	U	U	U	U	U	U	U
Channel/Tailwater Differentials (>2.20)										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
NOTHI SHOTE	U	U	U	U	U	U	U	U	U	U

Entrance Weir Depths (mo	re than 0.2 to	o low)								
SFE 1 (<7.80)	0	0	0	0	0	0	0	0	0	0
NFE 2 (<7.80)	0	0	0	0	0	0	0	0	0	0
NSE 1 (<7.80)	0	0	0	0	0	0	0	0	0	0
Entrance Weir Depths (0.11	1 - 0.2 too low)								
SFE 1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
NFE 2 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
NSE 1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
Entrance Weir Depths (0.01	1 - 0.1 too low)								
SFE 1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
NFE 2 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
NSE 1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0

	10	1.2	1.0	10	20					
DATES:	12- Nov	13- Nov	18- Nov	19- Nov	20- Nov	24-Nov	25-Nov	26-Nov	1-Dec	2-Dec
CHANNEL VELOCITIES										
IN SOUTH FISHWAY:	3.0	3.0	3.1	2.5	3.1	3.0	3.0	2.6	2.7	2.7
ELEVATIONS:										
South Fish Ladder										
Forebay	438.7	438.9	439.1	438.6	438.7	439.1	439.2	439.3	439.0	439.3
Exit Pool	438.7	438.9	439.0	438.6	438.7	439.1	439.2	439.3	438.9	439.3
Makeup Diffuser	434.1	434.1	434.2	434.2	434.1	434.2	434.1	434.1	434.1	434.
U S Picketed Leads	381.0	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.
D S Picketed Leads	381.0	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.
North Fish Ladder										
Forebay	438.6	439.1	439.1	438.7	438.7	439.1	439.3	439.3	439.0	439.2
Exit Pool	438.6	439.1	439.1	438.6	438.7	439.1	439.3	439.3	439.0	439.2
Makeup Diffuser	434.1	434.1	434.2	434.1	434.2	434.2	434.1	434.2	434.2	434.2
U S Picketed Leads	434.1	434.1	434.2	434.1	434.1	434.2	434.1	434.2	434.2	434.2
D S Picketed Leads	434.1	434.1	434.2	434.1	434.2	434.2	434.2	434.2	434.2	434.
Collection Channels										
South Pwrh SG4	341.5	341.2	341.8	341.5	341.1	341.6	342.1	342.6	342.2	342.
North Pwrh SG2	341.0	340.8	341.4	341.0	340.8	341.2	341.8	341.9	341.7	341.
North Shore SG30	341.1	341.0	341.5	341.2	341.2	341.2	341.7	342.0	342.1	341.
Tailwater										
South Pwrh SG3	339.4	339.1	339.9	339.4	339.6	339.5	340.3	340.7	340.5	340.
North Pwrh SG1	339.4	339.2	339.9	339.4	339.6	339.6	340.3	340.8	340.6	340.
North Shore SG29	339.4	339.2	339.7	339.6	339.6	339.3	340.3	340.7	340.7	340.
Entrance Weirs										
SFE 1	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.4	332.
NFE 2	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.
NSE 1	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.4	332.
DIFFERENTIALS/DEPTHS:										
South Fish Ladder										
Ladder Exit	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Ladder Weirs	1.1	1.1	1.2	1.2	1.1	1.2	1.1	1.1	1.1	1.1
Counting Station	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
North Fish Ladder										
Ladder Exit	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Ladder Weirs	1.1	1.1	1.2	1.1	1.2	1.2	1.1	1.2	1.2	1.2
Counting Station	0.0	0.0	0.0	0.0	-0.1	0.0	-0.1	0.0	0.0	0.0
Collection Channels										
South Shore	2.1	2.1	1.9	2.1	1.5	2.1	1.8	1.9	1.7	1.6
North Powerhouse	1.6	1.6	1.5	1.6	1.2	1.6	1.5	1.1	1.1	1.2
North Shore	1.7	1.8	1.8	1.6	1.6	1.9	1.4	1.3	1.4	1.4
Weir Depths										
SFE 1	7.1	6.8	7.6	7.1	7.3	7.2	8.0	8.4	8.1	8.0
NFE 2	7.1	6.9	7.6	7.1	7.3	7.3	8.0	8.5	8.3	8.2
NSE 1	7.1	6.9	7.4	7.3	7.3	7.0	8.0	8.4	8.3	8.2

CDITEDIA DOINTO										
CRITERIA POINTS:	VEC	VEC	VEC	VEC	VEC	VEC	VEC	VEC	VEC	VEC
Channel Velocities Differentials	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
South Fish Ladder										
	VEC	VEC	VEC	VEC	VEC	VEC	VEC	VEC	VEC	VEC
Ladder Exit	YES	YES YES	YES	YES YES	YES	YES YES	YES YES	YES	YES	YES
Ladder Weirs	YES		YES		YES			YES	YES	YES
Counting Station	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
North Fish Ladder	VEC	VEC	VEC	VEC	VEC	VEC	VEC	MEG	VEC	VEC
Ladder Exit	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Counting Station	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Collection Channels					*****					
South Shore	NO	NO	YES	NO	YES	NO	YES	YES	YES	YES
North Powerhouse	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
North Shore	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Weir Depths				~~-		~				
SFE 1	SILL	SILL	SILL	SILL	SILL	SILL	YES	YES	YES	YES
NFE 2	SILL	SILL	SILL	SILL	SILL	SILL	YES	YES	YES	YES
NSE 1	SILL	SILL	SILL	SILL	SILL	SILL	YES	YES	YES	YES
CRITERIA POINTS: YES	(Output =	0, 1, or NA)								
Channel Velocities	1	1	1	1	1	1	1	1	1	1
Differentials										
South Fish Ladder										
Ladder Exit	1	1	1	1	1	1	1	1	1	1
Ladder Weirs	1	1	1	1	1	1	1	1	1	1
Counting Station	1	1	1	1	1	1	1	1	1	1
North Fish Ladder										
Ladder Exit	1	1	1	1	1	1	1	1	1	1
Ladder Weirs	1	1	1	1	1	1	1	1	1	1
Counting Station	1	1	1	1	1	1	1	1	1	1
Collection Channels										
South Shore	0	0	1	0	1	0	1	1	1	1
North Powerhouse	1	1	1	1	1	1	1	1	1	1
North Shore	1	1	1	1	1	1	1	1	1	1
Weir Depths										
SFE 1	0	0	0	0	0	0	1	1	1	1
NFE 2	0	0	0	0	0	0	1	1	1	1
NSE 1	0	0	0	0	0	0	1	1	1	1
CDITEDIA POINTE, NO	(Ontrod	0 1 au NI+1								
CRITERIA POINTS: NO Channel Velocities		0, 1, or NA)	0	0	0	0	0	0	0	0
Differentials	0	0	U	U	0	0	0	U	0	U
South Fish Ladder		0	0	0	0	0	0	0	0	0
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Fish Ladder										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0

Collection Channels										
South Shore	1	1	0	1	0	1	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Weir Depths										
SFE 1	0	0	0	0	0	0	0	0	0	0
NFE 2	0	0	0	0	0	0	0	0	0	0
NSE 1	0	0	0	0	0	0	0	0	0	0

CRITERIA POINTS: SILL		0, 1, or NA)							
Weir Depths	(Output	0, 1, 01 1	,							
SFE 1	1	1	1	1	1	1	0	0	0	0
NFE 2	1	1	1	1	1	1	0	0	0	0
NSE 1	1	1	1	1	1	1	0	0	0	0

South Ladder Differentials (1										
Ladder Exit	Not applicab									
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicab									
South Ladder Differentials (
Ladder Exit	Not applicab									
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicab	ole.								
South Ladder Differentials ().01 - 0.1 too l	ow)								
Ladder Exit	Not applicab	le.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicab	le.								
South Ladder Differentials ().01 - 0.1 too l	nigh)								
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
South Ladder Differentials ().11 - 0.2 too l	nigh)								
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
South Ladder Differentials (1	more than 0.2	too high)								
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Ladder Differentials (1	more than 0.2	too low)								
Ladder Exit	Not applicab	le.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicab	le.								
North Ladder Differentials (0.11 - 0.2 too l	ow)								
Ladder Exit	Not applicab	le.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicab	le.								
North Ladder Differentials (0.01 - 0.1 too l	ow)								
Ladder Exit	Not applicab									
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicab	le.								

North Ladder Differentials (0.01 - 0.1 too high)										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Ladder Differentials (0.11 - 0.2 too high)										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Ladder Differentials (more than 0.2 too high	1)									
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (<0.80)										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (0.80 - 0.89)										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (0.90 - 0.99):										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (2.01 - 2.10)										
South Shore	0	1	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (2.11 - 2.20)										
South Shore	1	0	0	1	0	1	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (>2.20)										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0

Entrance Weir Depths (more than 0.2 too low)										
SFE 1 (<7.80)	0	0	0	0	0	0	0	0	0	0
NFE 2 (< 7.80)	0	0	0	0	0	0	0	0	0	0
NSE 1 (< 7.80)	0	0	0	0	0	0	0	0	0	0
Entrance Weir Depths (0.11	- 0.2 too low)								
SFE 1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
NFE 2 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
NSE 1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
Entrance Weir Depths (0.01	- 0.1 too low)								
SFE 1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
NFE 2 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
NSE 1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0

APPENDIX 2 (CONTINUED). ICE HARBOR ADULT FISHWAY INSPECTIONS	0

DATES:	3- Dec	8- Dec	9- Dec	10-Dec	15-Dec	16-Dec	18-Dec	22-Dec	23-Dec	29-Dec
CHANNEL VELOCITIES										
IN SOUTH FISHWAY:	2.7	2.6	2.5	3.0	2.7	2.9	2.3	2.6	2.4	
1,1,50011111511111111	2.,	2.0	2.0	2.0	2.,	2.9	2.0	2.0		
ELEVATIONS:										
South Fish Ladder										
Forebay	439.0	438.4	438.5	438.8	438.7	438.6	438.6	437.3	437.7	437.8
Exit Pool	439.0	438.4	438.5	438.7	438.7	438.6	438.5	437.3	437.7	437.8
Makeup Diffuser	434.1	434.2	434.1	434.1	434.1	434.1	434.1	434.1	434.1	434.2
U S Picketed Leads	381.1	381.1	381.1	381.1	381.1	381.0	381.1	381.1	381.1	381.1
D S Picketed Leads	381.1	381.1	381.1	381.1	381.1	381.0	381.1	381.1	381.1	381.1
North Fish Ladder										
Forebay	439.0	438.4	438.5	438.7	438.6	438.5	438.6	437.3	437.8	437.8
Exit Pool	439.0	438.4	438.5	438.7	438.6	438.6	438.5	437.3	437.8	437.8
Makeup Diffuser	434.2	434.2	434.2	434.2	434.1	434.1	434.2	434.1	434.3	434.2
U S Picketed Leads	434.2	434.2	434.2	434.2	434.1	434.1	434.2	434.1	434.3	434.2
D S Picketed Leads	434.2	434.2	434.2	434.2	434.1	434.1	434.2	434.1	434.3	434.2
Collection Channels										
South Pwrh SG4	341.5	342.0	341.7	342.9	342.0	342.6	342.2	342.7	343.5	340.9
North Pwrh SG2	340.9	341.3	341.2	342.4	341.5	342.6	341.8	342.2	343.0	340.8
North Shore SG30	341.5	341.5	341.5	342.6	341.7	342.3	341.9	342.5	343.3	340.9
Tailwater										
South Pwrh SG3	339.7	340.0	339.9	341.2	340.2	340.8	340.6	341.2	342.0	338.9
North Pwrh SG1	339.7	340.0	339.9	341.2	340.1	340.9	340.5	341.1	341.8	338.9
North Shore SG29	340.1	340.0	340.0	341.2	340.2	340.8	340.3	341.0	342.1	338.9
Entrance Weirs	3 10.1	5 10.0	3 10.0	311.2	3 10.2	5 10.0	5 10.5	311.0	3 12.1	330.9
SFE 1	332.3	332.3	332.3	332.7	332.3	332.5	332.6	332.8	333.9	332.3
NFE 2	332.3	332.3	332.3	332.7	332.3	332.3	332.3	332.3	332.3	332.3
NSE 1	332.3	332.3	332.3	332.7	332.3	332.3	332.3	332.6	333.0	332.3
DIFFERENTIALS/DEPTHS:	334.3	232.3	د.2د	334.1	334.3	334.3	334.3	334.0	333.0	334.3
South Fish Ladder										
Ladder Exit	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0
Ladder Weirs	1.1	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2
Counting Station	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
North Fish Ladder	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ladder Exit	0.0	0.0	0.0	0.0	0.0	-0.1	0.1	0.0	0.0	0.0
	0.0	1.2		1.2		-0.1 1.1	1.2			
Ladder Weirs	1.2		1.2		1.1			1.1	1.3	1.2
Counting Station	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Collection Channels	1.0	2.0	1.0	1.7	1.0	1.0	1.6	1.7	1.5	2.0
South Shore	1.8	2.0	1.8	1.7	1.8	1.8	1.6	1.5	1.5	2.0
North Powerhouse	1.2	1.3	1.3	1.2	1.4	1.7	1.3	1.1	1.2	1.9
North Shore	1.4	1.5	1.5	1.4	1.5	1.5	1.6	1.5	1.2	2.0
Weir Depths		_	_			_	_			
SFE 1	7.4	7.7	7.6	8.5	7.9	8.3	8.0	8.4	8.1	6.6
NFE 2	7.4	7.7	7.6	8.9	7.8	8.6	8.2	8.8	9.5	6.6
NSE 1	7.8	7.7	7.7	8.5	7.9	8.5	8.0	8.4	9.1	6.6

CRITERIA POINTS:										
Channel Velocities	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Differentials										
South Fish Ladder										
Ladder Exit	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Counting Station	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
North Fish Ladder										
Ladder Exit	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Counting Station	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Collection Channels										
South Shore	NO	NO	YES	NO	YES	NO	YES	YES	YES	YES
North Powerhouse	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
North Shore	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Weir Depths										
SFE 1	SILL	SILL	SILL	SILL	SILL	SILL	YES	YES	YES	YES
NFE 2	SILL	SILL	SILL	SILL	SILL	SILL	YES	YES	YES	YES
NSE 1	SILL	SILL	SILL	SILL	SILL	SILL	YES	YES	YES	YES
CRITERIA POINTS: YES	(Outroot	0, 1, or NA)								
CRITERIA POINTS: YES Channel Velocities	(Output =	(0, 1, or NA)	1	1	1	1	1	1	1	1
Differentials	1	1	1	1	1	1	1	1	1	1
South Fish Ladder										
Ladder Exit	1	1	1	1	1	1	1	1	1	1
Ladder Weirs	1	1	1	1	1	1	1	1	1	1
Counting Station	1	1	1	1	1	1	1	1	1	1
North Fish Ladder	•	•		•	•		•		•	•
Ladder Exit	1	1	1	1	1	1	1	1	1	1
Ladder Weirs	1	1	1	1	1	1	1	1	1	1
Counting Station	1	1	1	1	1	1	1	1	1	1
Collection Channels										
South Shore	0	0	1	0	1	0	1	1	1	1
North Powerhouse	1	1	1	i	i	1	1	1	1	1
North Shore	1	1	1	1	1	1	1	1	1	1
Weir Depths										
SFE 1	0	0	0	0	0	0	1	1	1	1
NFE 2	0	0	0	0	0	0	1	1	1	1
NSE 1	0	0	0	0	0	0	1	1	1	1
CRITERIA POINTS: NO	•	0, 1, or NA)								
Channel Velocities	0	0	0	0	0	0	0	0	0	0
Differentials										
South Fish Ladder			0					_		
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Fish Ladder			0					_		
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0

Counting Station

South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Weir Depths										
SFE 1	0	0	0	0	0	0	0	0	0	0
NFE 2	0	0	0	0	0	0	0	0	0	0
NSE 1	0	0	0	0	0	0	0	0	0	0

CRITERIA POINTS: SILL		0, 1, or NA))							
Weir Depths										
SFE 1	1	1	1	0	1	0	0	0	0	1
NFE 2	1	1	1	0	1	0	0	0	0	1
NSE 1	1	1	1	0	1	0	0	0	0	1

South Ladder Differentials (
Ladder Exit	Not applicat									
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicab									
South Ladder Differentials (
Ladder Exit	Not applicat									
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicab									
South Ladder Differentials (· ·								
Ladder Exit	Not applicat	ole.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applical									
South Ladder Differentials (0.01 - 0.1 too	high)								
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
South Ladder Differentials (0.11 - 0.2 too	high)								
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
South Ladder Differentials (more than 0.2	too high)								
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Ladder Differentials (more than 0.2	too low)								
Ladder Exit	Not applical	ole.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applical	ole.								
North Ladder Differentials (0.11 - 0.2 too	low)								
Ladder Exit	Not applical	ole.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applical	ole.								
North Ladder Differentials (0.01 - 0.1 too	low)								
Ladder Exit	Not applical	ole.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applical	ole.								

North Ladder Differentials (0.01 - 0.1 too high)										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Ladder Differentials (0.11 - 0.2 too high)										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Ladder Differentials (more than 0.2 too high	1)									
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (<0.80)										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (0.80 - 0.89)										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (0.90 - 0.99):										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (2.01 - 2.10)										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (2.11 - 2.20)										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (>2.20)										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0

Entrance Weir Depths (more than 0.2 too lo	w)									
SFE 1 (< 7.80)	0	0	0	0	0	0	0	0	0	0
NFE 2 (< 7.80)	0	0	0	0	0	0	0	0	0	0
NSE 1 (< 7.80)	0	0	0	0	0	0	0	0	0	0
Entrance Weir Depths (0.11 - 0.2 too low)										
SFE 1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
NFE 2 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
NSE 1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
Entrance Weir Depths (0.01 - 0.1 too low)										
SFE 1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
NFE 2 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
NSE 1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0

DATES:	3-Dec	8-Dec	9-Dec	10-Dec	15-Dec	16-Dec	18-Dec	22-Dec	23-Dec	29-Dec
CHANNEL VELOCITIES										
IN SOUTH FISHWAY:	2.7	2.6	2.5	3.0	2.7	2.9	2.3	2.6	2.4	
ELEVATIONS:										
South Fish Ladder										
Forebay	439.0	438.4	438.5	438.8	438.7	438.6	438.6	437.3	437.7	437.8
Exit Pool	439.0	438.4	438.5	438.7	438.7	438.6	438.5	437.3	437.7	437.8
Makeup Diffuser	434.1	434.2	434.1	434.1	434.1	434.1	434.1	434.1	434.1	434.2
U S Picketed Leads	381.1	381.1	381.1	381.1	381.1	381.0	381.1	381.1	381.1	381.1
D S Picketed Leads	381.1	381.1	381.1	381.1	381.1	381.0	381.1	381.1	381.1	381.1
North Fish Ladder										
Forebay	439.0	438.4	438.5	438.7	438.6	438.5	438.6	437.3	437.8	437.8
Exit Pool	439.0	438.4	438.5	438.7	438.6	438.6	438.5	437.3	437.8	437.8
Makeup Diffuser	434.2	434.2	434.2	434.2	434.1	434.1	434.2	434.1	434.3	434.2
U S Picketed Leads	434.2	434.2	434.2	434.2	434.1	434.1	434.2	434.1	434.3	434.2
D S Picketed Leads	434.2	434.2	434.2	434.2	434.1	434.1	434.2	434.1	434.3	434.2
Collection Channels										
South Pwrh SG4	341.5	342.0	341.7	342.9	342.0	342.6	342.2	342.7	343.5	340.9
North Pwrh SG2	340.9	341.3	341.2	342.4	341.5	342.6	341.8	342.2	343.0	340.8
North Shore SG30	341.5	341.5	341.5	342.6	341.7	342.3	341.9	342.5	343.3	340.9
Tailwater										
South Pwrh SG3	339.7	340.0	339.9	341.2	340.2	340.8	340.6	341.2	342.0	338.9
North Pwrh SG1	339.7	340.0	339.9	341.2	340.1	340.9	340.5	341.1	341.8	338.9
North Shore SG29	340.1	340.0	340.0	341.2	340.2	340.8	340.3	341.0	342.1	338.9
Entrance Weirs										
SFE 1	332.3	332.3	332.3	332.7	332.3	332.5	332.6	332.8	333.9	332.3
NFE 2	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
NSE 1	332.3	332.3	332.3	332.7	332.3	332.3	332.3	332.6	333.0	332.3
DIFFERENTIALS/DEPTHS:										
South Fish Ladder										
Ladder Exit	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0
Ladder Weirs	1.1	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2
Counting Station	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
North Fish Ladder										
Ladder Exit	0.0	0.0	0.0	0.0	0.0	-0.1	0.1	0.0	0.0	0.0
Ladder Weirs	1.2	1.2	1.2	1.2	1.1	1.1	1.2	1.1	1.3	1.2
Counting Station	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Collection Channels										
South Shore	1.8	2.0	1.8	1.7	1.8	1.8	1.6	1.5	1.5	2.0
North Powerhouse	1.2	1.3	1.3	1.2	1.4	1.7	1.3	1.1	1.2	1.9
North Shore	1.4	1.5	1.5	1.4	1.5	1.5	1.6	1.5	1.2	2.0
Weir Depths				• •						
SFE 1	7.4	7.7	7.6	8.5	7.9	8.3	8.0	8.4	8.1	6.6
NFE 2	7.4	7.7	7.6	8.9	7.8	8.6	8.2	8.8	9.5	6.6
NSE 1	7.8	7.7	7.7	8.5	7.9	8.5	8.0	8.4	9.1	6.6

CRITERIA POINTS: Channel Velocities	YES	YES	YES	YES	YES	YES	YES	YES	YES	NO
Differentials	125	125	125	125	125	125	125	125	125	1.0
South Fish Ladder										
Ladder Exit	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Counting Station	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
North Fish Ladder										
Ladder Exit	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Counting Station	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Collection Channels										
South Shore	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
North Powerhouse	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
North Shore	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Weir Depths										
SFE 1	SILL	SILL	SILL	YES	SILL	YES	YES	YES	YES	SILL
NFE 2	SILL	SILL	SILL	YES	SILL	YES	YES	YES	YES	SILL
NSE 1	SILL	SILL	SILL	YES	SILL	YES	YES	YES	YES	SILL

CRITERIA POINTS: YES	(Output =	0, 1, or NA)								
Channel Velocities	1	1	1	1	1	1	1	1	1	0
Differentials										
South Fish Ladder										
Ladder Exit	1	1	1	1	1	1	1	1	1	1
Ladder Weirs	1	1	1	1	1	1	1	1	1	1
Counting Station	1	1	1	1	1	1	1	1	1	1
North Fish Ladder										
Ladder Exit	1	1	1	1	1	1	1	1	1	1
Ladder Weirs	1	1	1	1	1	1	1	1	1	1
Counting Station	1	1	1	1	1	1	1	1	1	1
Collection Channels										
South Shore	1	1	1	1	1	1	1	1	1	1
North Powerhouse	1	1	1	1	1	1	1	1	1	1
North Shore	1	1	1	1	1	1	1	1	1	1
Weir Depths										
SFE 1	0	0	0	1	0	1	1	1	1	0
NFE 2	0	0	0	1	0	1	1	1	1	0
NSE 1	0	0	0	1	0	1	1	1	1	0

CRITERIA POINTS: NO	(Output =	0, 1, or NA)								
Channel Velocities	0	0	0	0	0	0	0	0	0	1
Differentials										
South Fish Ladder										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Fish Ladder										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0

APPENDIX 2 (CONTINUED). ICE HARBOR ADULT FISHWAY INSPECTIONS

DATES:	30-Dec	31-Dec
CHANNEL VELOCITIES		
IN SOUTH FISHWAY:	2.5	3.0
ELEVATIONS:		
South Fish Ladder		
Forebay	439.1	439.1
Exit Pool	439.1	439.1
Makeup Diffuser	434.1	434.2
U S Picketed Leads	381.1	381.1
D S Picketed Leads	381.1	381.1
North Fish Ladder		
Forebay	438.9	439.1
Exit Pool	439	439.1
Makeup Diffuser	434.2	434.2
U S Picketed Leads	434.2	434.2
D S Picketed Leads	434.2	434.2
Collection Channels		
South Pwrh SG4	342.8	341.6
North Pwrh SG2	342.2	341.8
North Shore SG30	342.4	341.4
Tailwater		
South Pwrh SG3	341.3	339.9
North Pwrh SG1	341.1	339.9
North Shore SG29	341.4	339.9
Entrance Weirs		
SFE 1	333	332.3
NFE 2	332.3	332.3
NSE 1	332.3	332.3
DIFFERENTIALS/DEPTHS:		
South Fish Ladder	0.0	0.0
Ladder Exit	0.0	0.0
Ladder Weirs	1.1	1.2
Counting Station	0.0	0.0
North Fish Ladder	0.1	0.0
Ladder Exit	-0.1	0.0
Ladder Weirs	1.2	1.2
Counting Station	0.0	0.0
Collection Channels	1.5	1.7
South Shore	1.5	1.7
North Powerhouse	1.1	1.9
North Shore	1.0	1.5
Weir Depths	0.2	7.6
SFE 1 NFE 2	8.3	7.6
	8.8	7.6
NSE 1	9.1	7.6

CRITERIA POINTS:		
Channel Velocities	YES	YES
Differentials		
South Fish Ladder		
Ladder Exit	YES	YES
Ladder Weirs	YES	YES
Counting Station	YES	YES
North Fish Ladder		
Ladder Exit	YES	YES
Ladder Weirs	YES	YES
Counting Station	YES	YES
Collection Channels		
South Shore	YES	YES
North Powerhouse	YES	YES
North Shore	YES	YES
Weir Depths		
SFE 1	YES	SILL
NFE 2	YES	SILL
NSE 1	YES	SILL

					Total No.
CRITERIA POINTS: YES			# of YES	% YES	of Inspections
Channel Velocities	1	1	139	98.6%	141
Differentials					
South Fish Ladder					
Ladder Exit	1	1	142	100.0%	142
Ladder Weirs	1	1	142	100.0%	142
Counting Station	1	1	142	100.0%	142
North Fish Ladder					
Ladder Exit	1	1	142	100.0%	142
Ladder Weirs	1	1	142	100.0%	142
Counting Station	1	1	142	100.0%	142
Collection Channels					
South Shore	1	1	131	92.3%	142
North Powerhouse	1	1	141	99.3%	142
North Shore	1	1	121	85.2%	142
Weir Depths					
SFE 1	1	0	86	60.6%	142
NFE 2	1	0	83	58.5%	142
NSE 1	1	0	71	50.0%	142

CRITERIA POINTS: NO	(Output = 0, 1, or NA)	(Output = 0, 1, or NA)	# of NO	% NO
Channel Velocities	0	0	2	1.4%
Differentials				
South Fish Ladder				
Ladder Exit	0	0	0	0.0%
Ladder Weirs	0	0	0	0.0%
Counting Station	0	0	0	0.0%
North Fish Ladder				
Ladder Exit	0	0	0	0.0%
Ladder Weirs	0	0	0	0.0%
Counting Station	0	0	0	0.0%
Collection Channels				
South Shore	0	0	11	7.7%
North Powerhouse	0	0	1	0.7%
North Shore	0	0	21	14.8%
Weir Depths				
SFE 1	0	0	1	0.7%
NFE 2	0	0	1	0.7%
NSE 1	0	0	1	0.7%

CRITERIA POINTS: SILL	(Output = 0, 1, or NA)	(Output = 0, 1, or NA)		% SILL
Weir Depths			# of SILL	
SFE 1	0	1	55	38.7%
NFE 2	0	1	58	40.8%
NSE 1	0	1	70	49.3%

South Ladder Differentials (more than 0.2 too low)		
	Not	Not
Ladder Exit	applicable.	applicable.
Ladder Weirs	0	0
	Not	Not
Counting Station	applicable.	applicable.
South Ladder Differentials (0.11 - 0.2 too		
low)	Not	Not
Ladder Exit	applicable.	applicable.
Ladder Weirs	0	0
Ladder Well's	Not	Not
Counting Station	applicable.	applicable.
South Ladder Differentials (0.01 - 0.1 too	• •	
low)		
	Not	Not
Ladder Exit	applicable.	applicable.
Ladder Weirs	0	0
	Not	Not
Counting Station South Ladder Differentials (0.01 - 0.1 too	applicable.	applicable.
high)		
Ladder Exit	0	0
Ladder Weirs	0	0
Counting Station	0	0



South Ladder Differentials (0.11 - 0.2 too high)		
Ladder Exit	0	0
Ladder Weirs	0	0
Counting Station	0	0
South Ladder Differentials (more than 0.2 too high)		
Ladder Exit	0	0
Ladder Weirs	0	0
Counting Station	0	0
North Ladder Differentials (more than 0.2 too low)		
T - 4 d T'A	Not	Not
Ladder Exit Ladder Weirs	applicable.	applicable.
Ladder weirs	0 Not	Not
Counting Station	applicable.	applicable.
North Ladder Differentials (0.11 - 0.2 too low)		
	Not	Not
Ladder Exit	applicable.	applicable.
Ladder Weirs	Not	Not
Counting Station	applicable.	applicable.
North Ladder Differentials (0.01 - 0.1 too low)		
(Not	Not
Ladder Exit	applicable.	applicable.
Ladder Weirs	0	0
Counting Station	Not applicable.	Not applicable.
North Ladder Differentials (0.01 - 0.1 too high)	аррисаоте.	аррисавіе.
Ladder Exit	0	0
Ladder Weirs	0	0
Counting Station	0	0
North Ladder Differentials (0.11 - 0.2 too high)	<u> </u>	
Ladder Exit	0	0
Ladder Weirs	0	0
Counting Station	0	0
North Ladder Differentials (more than 0.2 too high)		
Ladder Exit	0	0
Ladder Weirs	0	0
Counting Station	0	0
Channel/Tailwater Differentials (<0.80)		
South Shore	0	0
North Powerhouse	0	0
North Shore	0	0
Channel/Tailwater Differentials (0.80 - 0.89)		
South Shore	0	0
North Powerhouse	0	0
North Shore	0	0
Channel/Tailwater Differentials (0.90 - 0.99):		
South Shore	0	0
North Powerhouse	0	0
North Shore	0	0

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South Shore 0 0 0	Channel/Tailwater Differentials (0.00 0.00)	
North Powerhouse 0		0
Norm Snore 0		
	North Shore	U

Channel/Tailwater Differentials (2.01 -		
2.10)		
South Shore	0	0
North Powerhouse	0	0
North Shore	0	0
Channel/Tailwater Differentials (2.11 -		
2.20)		
South Shore	0	0
North Powerhouse	0	0
North Shore	0	0
Channel/Tailwater Differentials (>2.20)		
South Shore	0	0
North Powerhouse	0	0
North Shore	0	0
Entrance Weir Depths (more than 0.2 too		
low)		
SFE 1 (< 7.80)	0	0
NFE 2 (< 7.80)	0	0
NSE 1 (< 7.80)	0	0
Entrance Weir Depths (0.11 - 0.2 too low)		
SFE 1 (7.80 - 7.89)	0	0
NFE 2 (7.80 - 7.89)	0	0
NSE 1 (7.80 - 7.89)	0	0
Entrance Weir Depths (0.01 - 0.1 too low)		
SFE 1 (7.90 - 7.99)	0	0
NFE 2 (7.90 - 7.99)	0	0
NSE 1 (7.90 - 7.99)	0	0

Channel/Tailwater Differentials (2.01 -	
2.10)	2
South Shore	3
North Powerhouse	0
North Shore	1
Channel/Tailwater Differentials (2.11 - 2.20)	
South Shore	6
North Powerhouse	0
North Shore	5
Channel/Tailwater Differentials (>2.20)	
South Shore	2
North Powerhouse	0
North Shore	14
Entrance Weir Depths (more than 0.2 too	
low)	
SFE 1 (<7.80)	1
NFE 2 (< 7.80)	1
NSE 1 (<7.80)	1
Entrance Weir Depths (0.11 - 0.2 too low)	
SFE 1 (7.80 - 7.89)	0
NFE 2 (7.80 - 7.89)	0
NSE 1 (7.80 - 7.89)	0
Entrance Weir Depths (0.01 - 0.1 too low)	
SFE 1 (7.90 - 7.99)	0
NFE 2 (7.90 - 7.99)	0
NSE 1 (7.90 - 7.99)	0

	Not							
				Enough Depth		Too Much Depth		
ICE HARBOR								
Criteria and Locations	No. in Criteria/ No. on Sill/ No. of	% In Criteria/ % On Sill	No./% Within 0.01-0.1 Foot	No./% Within 0.11-0.2 Foot	No./% >0.2 Foot	No./% Within 0.01-0.1 Foot	No./% Within 0.11-0.2 Foot	No./% >0.2 Foot
	Inspections							
Channel Velocities	139 *** 141	98.6 ***	***	***	***	***	***	***
Differentials	1-71							
South Fish Ladder								
Ladder Exit	142	100.0	***	***	***	0	0	0
	***	***	***	***	***	0.0	0.0	0.0
	142							
Ladder Weirs	142	100.0	0	0	0	0	0	0
	***	***	0.0	0.0	0.0	0.0	0.0	0.0
	142							
Counting Station	142	100.0	***	***	***	0	0	0
	***	***	***	***	***	0.0	0.0	0.0
	142							
North Fish Ladder								
Ladder Exit	142	100.0	***	***	***	0	0	0
	***	***	***	***	***	0.0	0.0	0.0
Y 11 YYY '	142	100.0	0	0	0	0	0	0
Ladder Weirs	142 ***	100.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
	142		0.0	0.0	0.0	0.0	0.0	0.0
Counting Station	142	0.0	***	***	***	0	0	0
Counting Station	***	***	***	***	***	0.0	0.0	0.0
	142					0.0	0.0	0.0
Collection Channels								
South Shore	131	92.3	0	0	0	3	6	2
	***	***	0.0	0.0	0.0	2.1	4.2	1.4
	142							
North Powerhouse	141	99.3	0	0	1	0	0	0
	***	***	0.0	0.0	0.7	0.0	0.0	0.0
	142							
North Shore	121	85.2	0	1	0	1	5	14
	***	***	0.0	0.7	0.0	0.7	3.5	9.9
Wain Dontha	142							
Weir Depths SFE 1	86	60.6	0	0	0	***	***	***
SPE I	55	38.7	0.0	0.0	0.0	***	***	***
	142	30.7	0.0	0.0	0.0			
NFE 2	83	58.5	0	0	0	***	***	***
- 12 22 2	58	40.8	0.0	0.0	0.0	***	***	***
	142							
NSE 1	71	50.0	1	1	1	***	***	***
	70	49.3	0.7	0.7	0.7	***	***	***
	142							