APPENDIX 1. ICE HARBOR ADU	ET TION VIII				2021					
DATES:	1-Mar	3-Mar	4- Mar	10-Mar	11-Mar	16-Mar	17-Mar	18-Mar	22-Mar	25-Ma
CHANNEL VELOCITIES										
IN SOUTH FISHWAY:	2.1	2.0	1.8	1.6	1.3	2.0	2.2	2.2	2.1	2.2
ELEVATIONS:										
South Fish Ladder										
Forebay	439.0	438.8	439.0	439.1	439.1	439.1	439.2	438.7	439.0	439.1
Exit Pool	439.0	438.8	439.0	439.0	439.1	439.1	439.2	438.7	439.0	439.0
Makeup Diffuser	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.
U S Picketed Leads	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.2
D S Picketed Leads	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.2
North Fish Ladder										
Forebay	439.2	438.7	439.0	439.0	439.0	439.0	439.2	438.7	439.0	439.0
Exit Pool	439.2	438.6	439.0	439.0	439.0	439.0	439.2	438.7	439.0	439.0
Makeup Diffuser	434.2	434.2	434.2	434.2	434.2	434.1	434.1	434.1	434.1	434.
U S Picketed Leads	434.2	434.2	434.2	434.2	434.2	434.1	434.2	434.1	434.1	434.
D S Picketed Leads	434.2	434.2	434.2	434.2	434.2	434.1	434.1	434.1	434.1	434.
<b>Collection Channels</b>										
South Pwrh SG4	342.4	342.2	341.9	343.2	342.3	342.4	341.9	343.8	343.8	341.
North Pwrh SG2	342.5	341.8	341.8	342.9	342.4	341.9	341.5	343.3	343.7	341.
North Shore SG30	342.1	342.0	342.0	342.8	342.2	342.3	342.0	343.6	343.4	341.
Tailwater										
South Pwrh SG3	341.1	340.6	340.5	341.6	340.8	340.9	340.5	342.1	342.2	340.
North Pwrh SG1	341.1	340.7	340.2	341.2	340.6	340.9	340.4	342.0	342.3	340.
North Shore SG29	341.0	340.8	340.7	341.7	341.0	341.0	340.7	341.6	342.3	340.
Entrance Weirs	2.1.0	2.010	2.017	0.117	5.110	0.110	2.017	5 1110	0.2.0	2.0.
SFE 1	332.3	332.3	332.3	333.4	332.3	332.7	332.3	334.2	334.2	332.
NFE 2	332.3	332.3	332.3	332.3	332.3	332.8	332.3	333.1	334.2	332.
NSE 1	332.3	332.3	332.3	332.3	332.3	332.3	332.3	333.1	332.3	332.
DIFFERENTIALS/DEPTHS:	332.3	332.3	332.3	332.3	332.3	332.3	332.3	333.1	332.3	332.
South Fish Ladder										
Ladder Exit	0.0	0.0	0.0	0.1	0.0	0.0	0.0	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
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Counting Station 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	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ladder Weirs	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.2
Counting Station Collection Channels	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
South Shore	1.3	1.6	1.4	1.0	1.5	1.5	1.4	1.7	1.6	1.7
North Powerhouse		1.6		1.6	1.5	1.5	1.4	1.7	1.6	1.7
	1.4	1.1	1.6	1.7	1.8	1.0	1.1	1.3	1.4	1.5
North Shore	1.1	1.2	1.3	1.1	1.2	1.3	1.3	2.0	1.1	1.4
Weir Depths	0.0	0.2	0.2	0.0	0.5	0.2	0.2	7.0	0.0	7.0
SFE 1	8.8	8.3	8.2	8.2	8.5	8.2	8.2	7.9	8.0	7.9
NFE 2	8.8	8.4	7.9	8.9	8.3	8.1	8.1	8.9	8.1	7.7
NSE 1	8.7	8.5	8.4	9.4	8.7	8.7	8.4	8.5	10.0	7.9
CRITERIA POINTS:										
Channel Velocities	YES	YES	YES	YES	NO	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	NO	YES	SILL
NFE 2	YES	YES	SILL	YES	YES	YES	YES	YES	YES	SILL
NSE 1	YES	YES	YES	YES	YES	YES	YES	YES	YES	SILL

	(Output =	= 0, 1, or								
CRITERIA POINTS: YES	NA)									
Channel Velocities	1	1	1	1	0	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	0	1	0
NFE 2	1	1	0	1	1	1	1	1	1	0
NSE 1	1	1	1	1	1	1	1	1	1	0

	(Output =	: 0, 1, or								
CRITERIA POINTS: NO	NA)									
Channel Velocities	0	0	0	0	1	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	1	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 = NA)	0, 1, or								
Weir Depths										
SFE 1	0	0	0	0	0	0	0	0	0	1

OUT OF CRITERIA SITUATIONS ABOVE.	5 DY INCKEME	M19 - 1H	ESE SHO	ULD MATC	n ihe "N	Us				
South Ladder Differentials (more th	han 0.2 too low)									
Ladder Exit	Not applic	able.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applic			, and the second		<u> </u>	<u> </u>			
outh Ladder Differentials (0.11 - 0	• •									
Ladder Exit	Not applic	able								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applic			, and the second		<u> </u>	<u> </u>			
South Ladder Differentials (0.01 - 0	• • •									
Ladder Exit	Not applic	able								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applic	· · · · · · · · · · · · · · · · · · ·								
South Ladder Differentials (0.01 - 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
South Ladder Differentials (0.11 - 0		<u> </u>	<u> </u>	U	U	<u> </u>	U	<u> </u>	U	U
Ladder Exit	0.2 too mgn)	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 th			U	U	U	U	U	U	U	U
Ladder Exit	()	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
		U	U	U	U	U	U	U	U	U
North Ladder Differentials (more th		-1-1-								
Ladder Exit	Not applic	able.	0	0	0	0	0	0	0	0
Ladder Weirs	The state of the s		U	U	U	U	U	U	U	U
Counting Station	Not applic	able.								
North Ladder Differentials (0.11 - 0		-1-1-								
Ladder Exit	Not applic		0	0	0	0	0	0	0	
Ladder Weirs	0 Nat analia	0	0	0	0	0	0	0	0	0
Counting Station	Not applic	able.								
North Ladder Differentials (0.01 - 0		11								
Ladder Exit	Not applic		0	0	0	0	0	0	0	
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applic	able.								
North Ladder Differentials (0.01 - 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 Ladder Differentials (0.11 - 0										
Ladder Exit	0	0	0	0	0	0	0	0	0	0

NFE 2 NSE 1

Counting Station	rvot applicat									
South Ladder Differentials (0.11 - 0.2 to										
Ladder Exit	Not applicat									
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicab	ole.								
South Ladder Differentials (0.01 - 0.1 to	oo low)									
Ladder Exit	Not applicab	ole.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicat	ole.								
South Ladder Differentials (0.01 - 0.1 t	oo 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 to	oo 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	· ·									
Ladder Exit	0.2 too ingir)	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	- The state of the	U	· ·	U	J	9	9	U		
Ladder Exit	Not applicat	ale .								
Ladder Exit Ladder Weirs	Not applicat	0	0	0	0	0	0	0	0	0
	Not applicat		U	U	U	U	U	U	U	U
Counting Station		ne.								
North Ladder Differentials (0.11 - 0.2 t		ıla								
Ladder Exit	Not applicab		0	0					0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicat		U	0	0	U	O	0	U	U
Counting Station North Ladder Differentials (0.01 - 0.1 t	Not applicat oo low)	ole.	U	0	0	U	0	0	U	U
Counting Station  North Ladder Differentials (0.01 - 0.1 t  Ladder Exit	Not applicat oo low) Not applicat	ole. ole.								
Counting Station North Ladder Differentials (0.01 - 0.1 t Ladder Exit Ladder Weirs	Not applicat too low) Not applicat	ole. ole.	0	0	0	0	0	0	0	0
Counting Station North Ladder Differentials (0.01 - 0.1 t Ladder Exit Ladder Weirs Counting Station	Not applicate too low) Not applicate to too low Not applicate to too lo	ole. ole.								
Counting Station North Ladder Differentials (0.01 - 0.1 t Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (0.01 - 0.1 t	Not applicate	ole. ole. O ole.	0	0	0	0	0	0	0	0
Counting Station  North Ladder Differentials (0.01 - 0.1 t Ladder Exit Ladder Weirs Counting Station  North Ladder Differentials (0.01 - 0.1 t Ladder Exit	Not applicate too low) Not applicate too high)	ole.  O ole.  O ole.  O	0	0	0	0	0	0	0	0
Counting Station  North Ladder Differentials (0.01 - 0.1 t Ladder Exit Ladder Weirs Counting Station  North Ladder Differentials (0.01 - 0.1 t Ladder Exit Ladder Weirs	Not applicate too low) Not applicate to too high)  O  O  O  O  O  O  O  O  O  O  O  O  O	ole.  0 ole.  0 ole.  0 ole.	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0
Counting Station  North Ladder Differentials (0.01 - 0.1 t Ladder Exit Ladder Weirs Counting Station  North Ladder Differentials (0.01 - 0.1 t Ladder Exit Ladder Weirs Counting Station	Not applicate too low) Not applicate to too high)  0 0 0 0 0 0 0	ole.  O ole.  O ole.  O	0	0	0	0	0	0	0	0
Counting Station  North Ladder Differentials (0.01 - 0.1 t Ladder Exit Ladder Weirs Counting Station  North Ladder Differentials (0.01 - 0.1 t Ladder Exit Ladder Weirs Counting Station  North Ladder Differentials (0.11 - 0.2 t	Not applicate too low) Not applicate too high)  0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ole.  O ole.  O ole.  O o	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0
Counting Station  North Ladder Differentials (0.01 - 0.1 t Ladder Exit Ladder Weirs Counting Station  North Ladder Differentials (0.01 - 0.1 t Ladder Exit Ladder Weirs Counting Station  North Ladder Differentials (0.11 - 0.2 t Ladder Exit	Not applicate too low) Not applicate too high) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ole.  Ole.  Ole.  Ole.  Ole.  Ole.  Ole.  Ole  Ole	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
Counting Station  North Ladder Differentials (0.01 - 0.1 t Ladder Exit Ladder Weirs Counting Station  North Ladder Differentials (0.01 - 0.1 t Ladder Exit Ladder Weirs Counting Station  North Ladder Differentials (0.11 - 0.2 t Ladder Exit Ladder Exit Ladder Exit Ladder Weirs	Not applicate too low) Not applicate too high)  0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
Counting Station  North Ladder Differentials (0.01 - 0.1 t Ladder Exit Ladder Weirs Counting Station  North Ladder Differentials (0.01 - 0.1 t Ladder Exit Ladder Weirs Counting Station  North Ladder Differentials (0.11 - 0.2 t Ladder Exit Ladder Exit Ladder Weirs Counting Station  North Ladder Differentials (0.11 - 0.2 t Counting Station	Not applicate oo low) Not applicate 0 Not applicate coo high) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ole.  Ole.  Ole.  Ole.  Ole.  Ole.  Ole.  Ole  Ole	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
Counting Station  North Ladder Differentials (0.01 - 0.1 t Ladder Exit Ladder Weirs Counting Station  North Ladder Differentials (0.01 - 0.1 t Ladder Exit Ladder Weirs Counting Station  North Ladder Differentials (0.11 - 0.2 t Ladder Exit Ladder Weirs Counting Station  North Ladder Weirs Counting Station  North Ladder Weirs Counting Station  North Ladder Differentials (more than	Not applicate oo low) Not applicate 0 Not applicate coo high) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
Counting Station  North Ladder Differentials (0.01 - 0.1 t Ladder Exit Ladder Weirs Counting Station  North Ladder Differentials (0.01 - 0.1 t Ladder Exit Ladder Weirs Counting Station  North Ladder Differentials (0.11 - 0.2 t Ladder Exit Ladder Weirs Counting Station  North Ladder Differentials (0.11 - 0.2 t Ladder Weirs Counting Station  North Ladder Differentials (more than Ladder Exit	Not applicate oo low) Not applicate 0 Not applicate 0 Not applicate 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0	0 0 0 0	0 0 0 0 0	0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0
Counting Station  North Ladder Differentials (0.01 - 0.1 t Ladder Exit Ladder Weirs Counting Station  North Ladder Differentials (0.01 - 0.1 t Ladder Exit Ladder Weirs Counting Station  North Ladder Differentials (0.11 - 0.2 t Ladder Exit Ladder Weirs Counting Station  North Ladder Differentials (0.11 - 0.2 t Ladder Exit Ladder Weirs Counting Station  North Ladder Differentials (more than Ladder Exit Ladder Exit Ladder Weirs	Not applicate oo low) Not applicate 0 Not applicate 0 Not applicate 0 oo high) 0 0 oo high) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0 0
Counting Station  North Ladder Differentials (0.01 - 0.1 t Ladder Exit Ladder Weirs Counting Station  North Ladder Differentials (0.01 - 0.1 t Ladder Exit Ladder Weirs Counting Station  North Ladder Differentials (0.11 - 0.2 t Ladder Exit Ladder Weirs Counting Station  North Ladder Differentials (more than Ladder Exit Ladder Weirs Counting Station  North Ladder Differentials (more than Ladder Exit Ladder Weirs Counting Station	Not applicate too low) Not applicate too low) Not applicate too high) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0	0 0 0 0	0 0 0 0 0	0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0
Counting Station  North Ladder Differentials (0.01 - 0.1 t Ladder Exit Ladder Weirs Counting Station  North Ladder Differentials (0.01 - 0.1 t Ladder Exit Ladder Weirs Counting Station  North Ladder Differentials (0.11 - 0.2 t Ladder Exit Ladder Weirs Counting Station  North Ladder Differentials (0.11 - 0.2 t Ladder Exit Ladder Weirs Counting Station  North Ladder Differentials (more than Ladder Exit Ladder Exit Ladder Weirs	Not applicate too low) Not applicate too low) Not applicate too high) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0	0 0 0 0 0
Counting Station  North Ladder Differentials (0.01 - 0.1 t Ladder Exit Ladder Weirs Counting Station  North Ladder Differentials (0.01 - 0.1 t Ladder Exit Ladder Weirs Counting Station  North Ladder Differentials (0.11 - 0.2 t Ladder Exit Ladder Weirs Counting Station  North Ladder Differentials (more than Ladder Exit Ladder Weirs Counting Station  North Ladder Differentials (more than Ladder Exit Ladder Weirs Counting Station	Not applicate too low) Not applicate too low) Not applicate too high) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0	0 0 0 0 0
Counting Station  North Ladder Differentials (0.01 - 0.1 t Ladder Exit Ladder Weirs Counting Station  North Ladder Differentials (0.01 - 0.1 t Ladder Exit Ladder Weirs Counting Station  North Ladder Differentials (0.11 - 0.2 t Ladder Exit Ladder Weirs Counting Station  North Ladder Differentials (more than Ladder Exit Ladder Weirs Counting Station  North Ladder Differentials (more than Ladder Exit Ladder Weirs Counting Station  Channel/Tailwater Differentials (<0.80	Not applicate oo low) Not applicate 0 Not applicate 0 Not applicate 0 oo high) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0
Counting Station  North Ladder Differentials (0.01 - 0.1 t Ladder Exit Ladder Weirs Counting Station  North Ladder Differentials (0.01 - 0.1 t Ladder Exit Ladder Weirs Counting Station  North Ladder Differentials (0.11 - 0.2 t Ladder Exit Ladder Exit Ladder Weirs Counting Station  North Ladder Differentials (more than Ladder Exit Ladder Weirs Counting Station  North Ladder Differentials (more than Ladder Exit Ladder Weirs Counting Station  Channel/Tailwater Differentials (<0.80 South Shore	Not applicate too low) Not applicate 0 Not applicate 0 Not applicate 0 oo high) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0
Counting Station  North Ladder Differentials (0.01 - 0.1 t Ladder Exit Ladder Weirs Counting Station  North Ladder Differentials (0.01 - 0.1 t Ladder Exit Ladder Weirs Counting Station  North Ladder Differentials (0.11 - 0.2 t Ladder Exit Ladder Exit Ladder Weirs Counting Station  North Ladder Differentials (more than Ladder Exit Ladder Weirs Counting Station  North Ladder Differentials (more than Ladder Exit Ladder Weirs Counting Station  Channel/Tailwater Differentials (<0.80 South Shore North Powerhouse	Not applicate oo low) Not applicate 0 Not applicate 0 Not applicate 0 oo high) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0
Counting Station  North Ladder Differentials (0.01 - 0.1 t Ladder Exit Ladder Weirs Counting Station  North Ladder Differentials (0.01 - 0.1 t Ladder Exit Ladder Weirs Counting Station  North Ladder Differentials (0.11 - 0.2 t Ladder Exit Ladder Exit Ladder Weirs Counting Station  North Ladder Differentials (more than Ladder Exit Ladder Weirs Counting Station  North Ladder Differentials (more than Ladder Exit Ladder Weirs Counting Station  Channel/Tailwater Differentials (<0.80 South Shore North Powerhouse	Not applicate oo low) Not applicate 0 Not applicate 0 Not applicate 0 oo high) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0
Counting Station  North Ladder Differentials (0.01 - 0.1 t Ladder Exit Ladder Weirs Counting Station  North Ladder Differentials (0.01 - 0.1 t Ladder Exit Ladder Weirs Counting Station  North Ladder Differentials (0.11 - 0.2 t Ladder Exit Ladder Exit Ladder Weirs Counting Station  North Ladder Differentials (more than Ladder Exit Ladder Weirs Counting Station  North Ladder Differentials (more than Ladder Exit Ladder Weirs Counting Station  Channel/Tailwater Differentials (<0.80 South Shore North Powerhouse North Shore	Not applicate oo low) Not applicate 0 Not applicate 0 Not applicate 0 oo high) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0
Counting Station  North Ladder Differentials (0.01 - 0.1 to Ladder Exito Ladder Weirs Counting Station  North Ladder Differentials (0.01 - 0.1 to Ladder Exito Ladder Weirs Counting Station  North Ladder Differentials (0.11 - 0.2 to Ladder Exito Ladder Exito Ladder Weirs Counting Station  North Ladder Differentials (0.11 - 0.2 to Ladder Exito Ladder Weirs Counting Station  North Ladder Differentials (more than Ladder Exito Ladder Weirs Counting Station  Channel/Tailwater Differentials (<0.80 South Shore  North Powerhouse  North Shore  Channel/Tailwater Differentials (0.80 - South Shore	Not application low) Not application low) Not application low of the low of t	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0
Counting Station  North Ladder Differentials (0.01 - 0.1 t Ladder Exit Ladder Weirs Counting Station  North Ladder Differentials (0.01 - 0.1 t Ladder Exit Ladder Weirs Counting Station  North Ladder Differentials (0.11 - 0.2 t Ladder Exit Ladder Exit Ladder Weirs Counting Station  North Ladder Differentials (more than Ladder Weirs Counting Station  North Ladder Differentials (more than Ladder Exit Ladder Weirs Counting Station  Channel/Tailwater Differentials (<0.80 South Shore North Powerhouse North Shore	Not application low) Not application low) Not application low on the low of t	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 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 to	o low)									
SFE 1 (< <b>7.80</b> )	0	0	0	0	0	0	0	0	0	0
NFE 2 (< <b>7.80</b> )	0	0	0	0	0	0	0	0	0	0
NSE 1 (< <b>7.80</b> )	0	0	0	0	0	0	0	0	0	0
Entrance Weir Depths (0.11 - 0.2 too low	7)									
SFE 1 ( <b>7.80 - 7.89</b> )	0	0	0	0	0	0	0	0	0	0
NFE 2 ( <b>7.80 - 7.89</b> )	0	0	0	0	0	0	0	0	0	0
NSE 1 ( <b>7.80 - 7.89</b> )	0	0	0	0	0	0	0	0	0	0
Entrance Weir Depths (0.01 - 0.1 too low	7)									
SFE 1 ( <b>7.90 - 7.99</b> )	0	0	0	0	0	0	0	1	0	0
NFE 2 ( <b>7.90 - 7.99</b> )	0	0	0	0	0	0	0	0	0	0
NSE 1 ( <b>7.90 - 7.99</b> )	0	0	0	0	0	0	0	0	0	0

INSPECTIONS	HARDOK AD	<u> </u>	WAI			2021	-			
DATES:	29-Mar	31-Mar	1- Apr	5- Apr	6-Apr	7-Apr	12-Apr	13-Apr	14-Apr	20-Apr
DATES.	2)-iviai	31-Mai	Api	Арг	о-Арг	7-Api	12-Api	13-дрі	14-Арі	20-Api
CHANNEL VELOCITIES										
IN SOUTH FISHWAY:	1.8	2.2	2.0	2.7	1.4	2.2	2.6	2.0	2.5	2.2
ELEVATIONS:										
South Fish Ladder										
Forebay	438.5	438.6	437.7	438.1	437.7	438.1	438.2	438.0	437.6	438.0
Exit Pool	438.4	438.5	437.6	438.1	437.7	438.1	438.2	438.8	437.6	438.0
Makeup Diffuser	434.2	434.3	434.3	434.2	434.2	434.2	434.2	434.2	434.2	434.2
U S Picketed Leads	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.3	381.3
D S Picketed Leads	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.2
North Fish Ladder										
Forebay	438.5	438.6	437.6	438.1	437.7	438.1	438.1	437.9	437.6	438.0
Exit Pool	438.5	438.7	437.6	438.1	437.7	438.1	438.1	437.9	437.6	438.0
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	344.0	345.2	343.3	344.2	344.0	343.2	342.6	341.6	343.0
North Pwrh SG2	341.5	343.5	344.7	342.8	343.7	343.4	342.7	342.9	342.2	342.5
North Shore SG30	342.5	343.1	343.3	341.0	341.0	341.5	340.7	340.0	340.3	340.8
Tailwater										
South Pwrh SG3	340.5	342.2	343.3	341.6	342.5	342.2	341.3	341.4	340.5	341.2
North Pwrh SG1	340.5	342.2	343.5	341.6	342.4	341.8	341.3	341.4	340.4	341.1
North Shore SG29	341.4	342.2	342.8	339.1	339.5	340.0	339.0	338.4	337.5	339.1
Entrance Weirs										
SFE 1	332.3	334.3	335.4	333.5	334.4	334.0	333.0	333.5	332.5	333.2
NFE 2	332.3	333.0	335.3	333.6	333.6	333.6	333.6	333.4	333.3	332.3
NSE 1	332.3	332.3	332.3	332.5	332.3	332.3	332.3	332.3	332.3	332.3
DIFFERENTIALS/DEPTHS:										
South Fish Ladder										
Ladder Exit	0.1	0.1	0.1	0.0	0.0	0.0	0.0	-0.8	0.0	0.0
Ladder Weirs	1.2	1.3	1.3	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	0.1	0.1
North Fish Ladder										
Ladder Exit	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ladder Weirs	1.2	1.2	1.2	1.2	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	1.7	1.8	1.9	1.7	1.7	1.8	1.9	1.2	1.1	1.8
North Powerhouse	1.0	1.3	1.2	1.2	1.3	1.6	1.4	1.5	1.8	1.4
North Shore	1.1	0.9	0.5	1.9	1.5	1.5	1.7	1.6	2.8	1.7
Weir Depths										
SFE 1	8.2	7.9	7.9	8.1	8.1	8.2	8.3	7.9	8.0	8.0
NFE 2	8.2	9.2	8.2	8.0	8.8	8.2	7.7	8.0	7.1	8.8
NSE 1	9.1	9.9	10.5	6.6	7.2	7.7	6.7	6.1	5.2	6.8
CRITERIA POINTS:										
Channel Velocities Differentials	YES	YES	YES	YES	NO	YES	YES	YES	YES	YES
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
Counting Station	1110	110	110	120	120	LLD	·LO	110	110	110

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	NO	NO	YES	YES	YES	YES	YES	NO	YES
Weir Depths										
SFE 1	YES	NO	NO	YES	YES	YES	YES	NO	YES	YES
NFE 2	YES	YES	YES	YES	YES	YES	NO	YES	NO	YES
NSE 1	YES	YES	YES	NO	SILL	SILL	SILL	SILL	SILL	SILL

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

	(Output =	: 0, 1, or								
CRITERIA POINTS: NO	NA)									
Channel Velocities	0	0	0	0	1	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	1	1	0	0	0	0	0	1	0
Weir Depths										
SFE 1	0	1	1	0	0	0	0	1	0	0
NFE 2	0	0	0	0	0	0	1	0	1	0
NSE 1	0	0	0	1	0	0	0	0	0	0

	(Output =	0, 1, or								
CRITERIA POINTS: SILL	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	1	1	1	1	1

South Ladder Differentials (more than	0.2 too low)									
Ladder Exit		blo								
	Not applica		0	0	0	0	0	0	0	0
Ladder Weirs		0	0	0	0	0	0	0	0	0
Counting Station	Not applica	ble.								
South Ladder Differentials (0.11 - 0.2 to										
Ladder Exit	Not applica		0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applica	ble.								
South Ladder Differentials (0.01 - 0.1 t										
Ladder Exit	Not applica		0	0	0			0		0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applica	ble.								
South Ladder Differentials (0.01 - 0.1 t	8 /			•	•			•		
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 to				•	•			•		
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										
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										
Ladder Exit	Not applica									
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applica	ble.								
North Ladder Differentials (0.11 - 0.2 t										
Ladder Exit	Not applica									
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applica	ble.								
North Ladder Differentials (0.01 - 0.1 t										
Ladder Exit	Not applica			•	•			•		
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applica	ble.								
North Ladder Differentials (0.01 - 0.1 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
North Ladder Differentials (0.11 - 0.2 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
North Ladder Differentials (more than										
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	1	0	0	0	0	0	0	0
	0.00									
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 (0.90 -	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	1	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)	1									
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	1	0
Entrance Weir Depths (more than 0.2 to	oo low)									
SFE 1 (< <b>7.80</b> )	0	0	0	0	0	0	0	0	0	0
NFE 2 (< <b>7.80</b> )	0	0	0	0	0	0	1	0	1	0
NSE 1 (< <b>7.80</b> )	0	0	0	1	0	0	0	0	0	0
Entrance Weir Depths (0.11 - 0.2 too lov	w)									
SFE 1 ( <b>7.80 - 7.89</b> )	0	0	0	0	0	0	0	0	0	0
NFE 2 ( <b>7.80 - 7.89</b> )	0	0	0	0	0	0	0	0	0	0
NSE 1 ( <b>7.80 - 7.89</b> )	0	0	0	0	0	0	0	0	0	0
Entrance Weir Depths (0.01 - 0.1 too lov										
SFE 1 ( <b>7.90 - 7.99</b> )	0	1	1	0	0	0	0	1	0	0
NFE 2 ( <b>7.90 - 7.99</b> )	0	0	0	0	0	0	0	0	0	0
NSE 1 ( <b>7.90 - 7.99</b> )	0	0	0	0	0	0	0	0	0	0

APPENDIX 2 (CONTINUED). ICINSPECTIONS	E HARBOR A	DULT FISE	łWAY			2021	<u>-</u>			
DATES:	22-Apr	26-Apr	27- Apr	28- Apr	3-May	4-May	5-May	10-May	12-May	13-May
CHANNEL VELOCITIES										
IN SOUTH FISHWAY:	2.4	2.2	2.2	2.6	1.7	2.4	2.3	2.4	2.2	2.2
ELEVATIONS:										
South Fish Ladder										
Forebay	438.0	438.1	437.7	438.0	438.0	438.3	437.8	438.2	438.4	438.3
Exit Pool	438.0	438.1	437.7	438.0	438.0	438.3	437.8	438.2	438.4	438.3
Makeup Diffuser	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.3	434.3	434.3
U S Picketed Leads	381.3	381.4	381.4	381.4	381.3	381.3	381.3	381.5	381.3	381.3
D S Picketed Leads	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.2
North Fish Ladder										
Forebay	438.0	438.1	437.7	438.0	438.0	438.2	437.7	438.2	438.3	438.2
Exit Pool	438.0	438.1	437.7	438.0	438.0	438.2	437.6	438.2	438.3	438.2
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	343.2	343.4	343.9	342.2	345.2	345.1	344.4	344.4	343.5	343.7
North Pwrh SG2	342.2	342.7	343.4	341.5	344.2	344.9	343.7	343.7	343.2	343.2
North Shore SG30	340.9	341.2	342.3	341.4	342.9	343.9	341.6	341.5	341.2	342.7
Tailwater										
South Pwrh SG3	341.2	341.4	342.1	340.3	343.2	343.7	342.6	342.4	341.8	341.8
North Pwrh SG1	341.0	341.4	341.7	340.2	343.2	343.4	342.6	342.5	342.1	341.9
North Shore SG29	339.4	340.2	341.2	339.6	341.7	342.8	340.2	340.5	340.2	340.7
<b>Entrance Weirs</b>										
SFE 1	333.1	333.3	334.0	332.3	335.1	335.4	334.5	334.1	333.6	333.6
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	0.0	0.0	0.0
Ladder Weirs	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.3
Counting Station	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.3	0.1	0.1
North Fish Ladder	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Ladder Exit	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Ladder Weirs	1.2	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	2.0	2.0	1.0	1.0	2.0	1.4	1.0	2.0	1.7	1.0
North Powerhouse	2.0	2.0	1.8 1.7	1.9	2.0	1.4	1.8	2.0	1.7	1.9
North Shore	1.2 1.5	1.3		1.3 1.8	1.0	1.5	1.1 1.4	1.2 1.0	1.1	1.3
	1.3	1.0	1.1	1.0	1.2	1.1	1.4	1.0	1.0	2.0
Weir Depths SFE 1	8.1	8.1	8.1	8.0	8.1	8.3	8.1	8.3	8.2	8.2
NFE 2	8.7	9.1	9.4	7.9	10.9	11.1	10.3	10.2	9.8	9.6
NSE 1	7.1	7.9	8.9	7.3	9.4	10.5	7.9	8.2	7.9	8.4
CRITERIA POINTS:	7.1	1.9	0.9	7.3	7.4	10.5	1.9	0.2	1.9	0.4
Channel Velocities	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Differentials	ILD	1 LD	ILD	110	ILD	1 LIJ	1113	1 L.	1LD	iLo
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	SILL	YES	YES	YES	YES	YES	YES
NSE 1	SILL	SILL	YES	SILL	YES	YES	SILL	YES	SILL	YES

	(Output =	0, 1, or								
CRITERIA POINTS: YES	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	0	1	1	1	1	1	1
NSE 1	0	0	1	0	1	1	0	1	0	1

	(Output =	0, 1, or								
CRITERIA POINTS: NO	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

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

NFE 2	0	0	0	1	0	0	0	0	0	0
NSE 1	1	1	0	1	0	0	1	0	1	0

South Ladder Differentials (more than									
Ladder Exit	Not applicable.								
Ladder Weirs	0	0 0	0	0	0	0	0	0	0
Counting Station	Not applicable.								
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 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 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
Ladder Weirs	0	0 0	0	0	0	0	0	0	0
Counting Station		0 0	0	0	0	0	0	0	0
South Ladder Differentials (more than									
Ladder Exit	T	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	n 0.2 too low)								
Ladder Exit	Not applicable.								
Ladder Weirs		0 0	0	0	0	0	0	0	0
Counting Station	Not applicable.								
North Ladder Differentials (0.11 - 0.2									
Ladder Exit	Not applicable.								
Ladder Weirs		0 0	0	0	0	0	0	0	0
Counting Station	Not applicable.								
North Ladder Differentials (0.01 - 0.1									
Ladder Exit	Not applicable.								
Ladder Weirs		0 0	0	0	0	0	0	0	0
Counting Station	Not applicable.								
North Ladder Differentials (0.01 - 0.1									
Ladder Exit		0 0	0	0	0	0	0	0	0
Ladder Weirs		0 0	0	0	0	0	0	0	0
Counting Station	<u> </u>	0 0	0	0	0	0	0	0	0
North Ladder Differentials (0.11 - 0.2									
Ladder Exit		0 0	0	0	0	0	0	0	0
Ladder Weirs		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									
Ladder Exit		0 0	0	0	0	0	0	0	0
Ladder Weirs		0 0	0	0	0	0	0	0	0
Counting Station		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
North Powerhouse		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
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
<b>Entrance Weir Depths (more than 0.2</b>	too low)									
SFE 1 (< <b>7.80</b> )	0	0	0	0	0	0	0	0	0	0
NFE 2 (< <b>7.80</b> )	0	0	0	0	0	0	0	0	0	0
NSE 1 (< <b>7.80</b> )	0	0	0	0	0	0	0	0	0	0
Entrance Weir Depths (0.11 - 0.2 too lo	ow)									
SFE 1 ( <b>7.80 - 7.89</b> )	0	0	0	0	0	0	0	0	0	0
NFE 2 ( <b>7.80 - 7.89</b> )	0	0	0	0	0	0	0	0	0	0
NSE 1 ( <b>7.80 - 7.89</b> )	0	0	0	0	0	0	0	0	0	0
Entrance Weir Depths (0.01 - 0.1 too lo	ow)									
SFE 1 ( <b>7.90 - 7.99</b> )	0	0	0	0	0	0	0	0	0	0
NFE 2 ( <b>7.90 - 7.99</b> )	0	0	0	0	0	0	0	0	0	0
NSE 1 ( <b>7.90 - 7.99</b> )	0	0	0	0	0	0	0	0	0	0

INSPECTIONS					2021	_				
DATES:	17-May	19-May	20- May	25- May	26-May	31-May	1-Jun	2-Jun	8-Jun	9-Jun
DITIES.	17 Way	17 May	iviay	way	20 May	31 May	1 3411	2 3411	o sun	) Jun
CHANNEL VELOCITIES										
IN SOUTH FISHWAY:	1.8	1.9	1.7	2.7	2.2	1.7	1.6	2.1	2.0	2.3
ELEVATIONS:										
South Fish Ladder										
Forebay	438.3	438.2	438.2	438.0	438.2	438.2	438.0	438.3	438.1	438.2
Exit Pool	438.3	438.2	438.2	438.0	438.2	438.2	438.0	438.3	438.1	438.2
Makeup Diffuser	434.2	434.3	434.2	434.2	434.3	434.2	434.2	434.2	434.3	434.3
U S Picketed Leads	381.2	381.3	381.2	381.2	381.3	381.2	381.3	381.3	381.2	381.2
D S Picketed Leads	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.2
North Fish Ladder										
Forebay	438.3	438.2	438.3	437.9	438.2	438.2	438.0	438.3	438.1	438.1
Exit Pool	438.3	438.1	438.2	437.9	438.2	438.2	438.0	438.3	438.0	438.1
Makeup Diffuser	434.2	434.2	434.2	434.1	434.2	434.2	434.2	434.2	434.2	434.2
U S Picketed Leads	434.2	434.2	434.3	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	434.2	434.2	434.2	434.2	434.2	434.2
Collection Channels										
South Pwrh SG4	345.9	346.4	345.5	344.1	343.0	343.7	344.0	344.6	343.0	343.6
North Pwrh SG2	345.4	345.5	344.9	343.5	343.2	343.2	343.6	343.9	343.2	343.5
North Shore SG30	344.0	343.2	343.0	342.6	341.3	341.5	341.5	343.3	341.9	341.5
Tailwater										
South Pwrh SG3	344.3	344.5	343.8	341.8	341.6	341.8	342.2	342.7	341.6	342.2
North Pwrh SG1	344.3	344.8	343.4	341.7	341.5	341.5	342.3	342.5	341.6	342.1
North Shore SG29	343.0	343.0	341.6	341.3	340.2	340.1	340.1	342.2	340.8	340.1
Entrance Weirs										
SFE 1	335.9	336.6	335.6	333.9	333.6	333.4	333.8	334.4	333.5	334.0
NFE 2	332.3	332.3	333.3	333.3	333.3	333.5	333.7	333.7	333.6	333.9
NSE 1	332.3	332.3	333.1	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	0.0	0.0	0.0
Ladder Weirs	1.2	1.3	1.2	1.2	1.3	1.2	1.2	1.2	1.3	1.3
Counting Station	0.0	0.1	0.0	0.0	0.1	0.0	0.1	0.1	0.0	0.0
North Fish Ladder										
Ladder Exit	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Ladder Weirs	1.2	1.2	1.2	1.1	1.2	1.2	1.2	1.2	1.2	1.2
Counting Station	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Collection Channels	1.6	1.0	1.7	2.2	1.4	1.0	1.0	1.0	1.4	1.4
South Shore North Powerhouse	1.6	1.9	1.7	2.3	1.4	1.9	1.8	1.9	1.4	1.4
	1.1	0.7	1.5	1.8	1.7	1.7	1.3	1.4	1.6	1.4
North Shore	1.0	0.2	1.4	1.3	1.1	1.4	1.4	1.1	1.1	1.4
Weir Depths	0.4	7.0	0.2	7.0	0.0	0.4	0.4	0.2	0.1	0.2
SFE 1 NFE 2	8.4 12.0	7.9 12.5	8.2 10.1	7.9 8.4	8.0	8.4	8.4	8.3	8.1	8.2 8.2
NSE 1	10.7	10.7	8.5	9.0	8.2 7.9	8.0 7.8	8.6 7.8	8.8 9.9	8.0 8.5	7.8
CRITERIA POINTS:	10.7	10.7	0.3	9.0	7.9	7.8	7.8	9.9	8.3	7.0
Channel Velocities	VEC	YES	YES	VEC	VEC	YES	VEC	YES	YES	YES
Differentials	YES	1 E3	LES	YES	YES	1 E3	YES	1 E3	1 E3	1 E3
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
Counting Station	1 LO	1110	110	ilb	110	120	110	110	1 LD	11.0

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	NO	YES	YES	YES	YES	YES	YES
North Powerhouse	YES	NO	YES	YES	YES	YES	YES	YES	YES	YES
North Shore	YES	NO	YES	YES	YES	YES	YES	YES	YES	YES
Weir Depths										
SFE 1	YES	NO	YES	NO	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	SILL	SILL	YES	YES	SILL

CRITERIA POINTS: YES										
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	0	1	1	1	1	1	1
North Powerhouse	1	0	1	1	1	1	1	1	1	1
North Shore	1	0	1	1	1	1	1	1	1	1
Weir Depths										
SFE 1	1	0	1	0	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	0	0	1	1	0

	(Output =	0, 1, or								
CRITERIA POINTS: NO	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	1	0	0	0	0	0	0
North Powerhouse	0	1	0	0	0	0	0	0	0	0
North Shore	0	1	0	0	0	0	0	0	0	0
Weir Depths										
SFE 1	0	1	0	1	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

	(Output =	= 0, 1, or								
CRITERIA POINTS: SILL	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	1	1	0	0	1

Ladder Exit									
	Not applicab								
Ladder Weirs	0	0	0 0	0	0	0	0	0	0
Counting Station	Not applicab	le.							
South Ladder Differentials (0.11									
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 (0.01	- 0.1 too low)								
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 (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									•
Ladder Exit	0	0	0 0	0	0	0	0	0	0
Ladder Weirs	0	0	$\begin{array}{ccc} 0 & 0 \\ 0 & 0 \end{array}$	0	0	0	0	0	0
Counting Station	0	0	0 0	0	0	0	0	0	0
North Ladder Differentials (more				· ·	· ·		<del>U</del>	· ·	U
Ladder Exit	Not applicab								
Ladder Weirs	0	0	0 0	0	0	0	0	0	0
			0 0	U	U	U	U	U	U
Counting Station	Not applicab	ile.							
North Ladder Differentials (0.11		,							
Ladder Exit	Not applicab			0	0		0	•	0
Ladder Weirs	0	0	0 0	0	0	0	0	0	0
		le.							
Counting Station	Not applicab								
North Ladder Differentials (0.01	- 0.1 too low)								
North Ladder Differentials (0.01 Ladder Exit	- 0.1 too low)  Not applicab								
North Ladder Differentials (0.01 Ladder Exit Ladder Weirs	- 0.1 too low)  Not applicab	0	0 0	0	0	0	0	0	0
North Ladder Differentials (0.01 Ladder Exit Ladder Weirs Counting Station	- 0.1 too low)  Not applicab  O  Not applicab	0	0 0	0	0	0	0	0	0
North Ladder Differentials (0.01 Ladder Exit Ladder Weirs	- 0.1 too low)  Not applicab  O  Not applicab	0	0 0	0	0	0	0	0	0
North Ladder Differentials (0.01 Ladder Exit Ladder Weirs Counting Station	- 0.1 too low)  Not applicab  O  Not applicab	0	0 0	0	0	0	0	0	0
North Ladder Differentials (0.01 Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (0.01	- 0.1 too low)  Not applicab  O  Not applicab  - 0.1 too high)	0 le.							
North Ladder Differentials (0.01 Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (0.01 Ladder Exit	- 0.1 too low) Not applicab  O Not applicab  - 0.1 too high)  0	0 ile. 0	0 0	0	0	0	0	0	0
North Ladder Differentials (0.01 Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (0.01 Ladder Exit Ladder Weirs	- 0.1 too low)  Not applicab  0  Not applicab  - 0.1 too high)  0  0  0	0 ile. 0 0	0 0 0 0	0 0	0 0	0 0	0 0	0 0	0
North Ladder Differentials (0.01 Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (0.01 Ladder Exit Ladder Weirs Counting Station	- 0.1 too low)  Not applicab  0  Not applicab  - 0.1 too high)  0  0  0	0 ile. 0 0	0 0 0 0	0 0	0 0	0 0	0 0	0 0	0
North Ladder Differentials (0.01 Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (0.01 Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (0.11	- 0.1 too low)  Not applicab  0  Not applicab  - 0.1 too high)  0  0  - 0.2 too high)	0 ole. 0 0	0 0 0 0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0
North Ladder Differentials (0.01 Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (0.01 Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (0.11 Ladder Exit	- 0.1 too low)  Not applicab  0  Not applicab  - 0.1 too high)  0  0  - 0.2 too high)  0	0 ole. 0 o 0 o	0 0 0 0 0 0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0
North Ladder Differentials (0.01 Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (0.01 Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (0.11 Ladder Exit Ladder Exit Ladder Weirs Counting Station Counting Station Counting Station	- 0.1 too low) Not applicable 0 Not applicable - 0.1 too high) 0 0 0 - 0.2 too high) 0 0 0	0 le. 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0
North Ladder Differentials (0.01 Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (0.01 Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (0.11 Ladder Exit Ladder Exit Ladder Weirs Counting Station North Ladder Weirs Counting Station North Ladder Weirs Counting Station North Ladder Differentials (more	- 0.1 too low) Not applicable 0 Not applicable - 0.1 too high) 0 0 0 - 0.2 too high) 0 0 0	0 le. 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0	0 0 0 0	0 0 0	0 0 0	0 0 0	0 0 0
North Ladder Differentials (0.01 Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (0.01 Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (0.11 Ladder Exit Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (0.11 Ladder Weirs Counting Station North Ladder Differentials (more Ladder Exit) Ladder Exit	- 0.1 too low) Not applicable 0 Not applicable 0 Not applicable 0 0 0 0 0 - 0.2 too high) 0 0 0 0 e than 0.2 too high	0 le. 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0	0 0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
North Ladder Differentials (0.01 Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (0.01 Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (0.11 Ladder Exit Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (more Ladder Exit Ladder Weirs Ladder Differentials (more Ladder Exit Ladder Exit Ladder Exit Ladder Exit Ladder Weirs	- 0.1 too low) Not applicable 0 Not applicable 0 Not applicable 0 0 0 0 - 0.2 too high) 0 0 0 e than 0.2 too high 0 0	0 le. 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0
North Ladder Differentials (0.01 Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (0.01 Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (0.11 Ladder Exit Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (more Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (more Ladder Exit Ladder Weirs Counting Station	- 0.1 too low) Not applicable 0 Not applicable 0 Not applicable 0 0 0 0 - 0.2 too high) 0 0 0 e than 0.2 too high 0 0 0	0 le. 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0	0 0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
North Ladder Differentials (0.01 Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (0.01 Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (0.11 Ladder Exit Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (more Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (more Ladder Exit Ladder Weirs Counting Station Channel/Tailwater Differentials (	- 0.1 too low) Not applicable 0 Not applicable 0 Not applicable 0 0 0 - 0.1 too high) 0 0 - 0.2 too high) 0 0 e than 0.2 too high 0 0 (<0.80)	0 le. 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0
North Ladder Differentials (0.01 Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (0.01 Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (0.11 Ladder Exit Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (more Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (more Ladder Exit Ladder Weirs Counting Station Channel/Tailwater Differentials (South Shore	- 0.1 too low) Not applicable 0 Not applicable 0 Not applicable 0 0 0 0 - 0.2 too high) 0 0 0 e than 0.2 too high 0 0 (<0.80)	0 le. 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0
North Ladder Differentials (0.01 Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (0.01 Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (0.11 Ladder Exit Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (more Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (more Ladder Exit Ladder Weirs Counting Station Channel/Tailwater Differentials (South Shore North Powerhouse	- 0.1 too low) Not applicable 0 Not applicable 0 Not applicable 0 0 0 0 - 0.2 too high) 0 0 0 e than 0.2 too high 0 0 (<0.80)	0 le. 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0
North Ladder Differentials (0.01 Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (0.01 Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (0.11 Ladder Exit Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (more Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (more Ladder Exit Ladder Weirs Counting Station Channel/Tailwater Differentials (South Shore	- 0.1 too low) Not applicable 0 Not applicable 0 Not applicable 0 0 0 0 - 0.2 too high) 0 0 0 e than 0.2 too high 0 0 (<0.80)	0 le. 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0
North Ladder Differentials (0.01 Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (0.01 Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (0.11 Ladder Exit Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (more Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (more Ladder Exit Ladder Weirs Counting Station Channel/Tailwater Differentials ( South Shore North Powerhouse North Shore	- 0.1 too low) Not applicable 0 Not applicable 0 Not applicable - 0.1 too high) 0 0 0 - 0.2 too high) 0 0 e than 0.2 too high 0 0 (<0.80)	0 le. 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0
North Ladder Differentials (0.01 Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (0.01 Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (0.11 Ladder Exit Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (more Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (more Ladder Exit Ladder Weirs Counting Station Channel/Tailwater Differentials ( South Shore North Powerhouse North Shore Channel/Tailwater Differentials (	- 0.1 too low) Not applicabe O Not applicabe O Not applicabe O O O O O O O O O O O O O O O O O O O	0 le. 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0
North Ladder Differentials (0.01 Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (0.01 Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (0.11 Ladder Exit Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (more Ladder Weirs Counting Station North Ladder Differentials (more Ladder Exit Ladder Weirs Counting Station Channel/Tailwater Differentials ( South Shore North Powerhouse North Shore Channel/Tailwater Differentials ( South Shore	- 0.1 too low) Not applicable 0 Not applicable 0 Not applicable - 0.1 too high) 0 0 0 - 0.2 too high) 0 0 e than 0.2 too high 0 0 (<0.80) 0 (0.80 - 0.89) 0	0 ole. 1 ole. 0 ole.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0
North Ladder Differentials (0.01 Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (0.01 Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (0.11 Ladder Exit Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (more Ladder Weirs Counting Station North Ladder Differentials (more Ladder Exit Ladder Weirs Counting Station Channel/Tailwater Differentials ( South Shore North Powerhouse North Shore Channel/Tailwater Differentials ( South Shore North Powerhouse	- 0.1 too low) Not applicable 0 Not applicable 0 Not applicable 0 0 0 0 - 0.1 too high) 0 0 0 - 0.2 too high) 0 0 e than 0.2 too high 0 0 (<0.80) 0 (0.80 - 0.89) 0 0	0 ole. 0 ole. 0 ole. 0 ole. 0 ole. 0 ole. 1 ole. 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0
North Ladder Differentials (0.01 Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (0.01 Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (0.11 Ladder Exit Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (more Ladder Weirs Counting Station North Ladder Differentials (more Ladder Exit Ladder Weirs Counting Station Channel/Tailwater Differentials ( South Shore North Powerhouse North Shore Channel/Tailwater Differentials ( South Shore	- 0.1 too low) Not applicable 0 Not applicable 0 Not applicable - 0.1 too high) 0 0 0 - 0.2 too high) 0 0 e than 0.2 too high 0 0 (<0.80) 0 (0.80 - 0.89) 0	0 ole. 1 ole. 0 ole.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0

0 4 61	0	0	0	0	0	0	0	0	0	0
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 (>2.2	20)									
South Shore	0	0	0	1	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
		<u> </u>		·				-		
Entrance Weir Depths (more than 0.2	2 too low)									
SFE 1 (< <b>7.80</b> )	0	0	0	0	0	0	0	0	0	0
NFE 2 (< <b>7.80</b> )	0	0	0	0	0	0	0	0	0	0
NSE 1 (< <b>7.80</b> )	0	0	0	0	0	0	0	0	0	0
1152 1 (1166)	Ü				Ü					
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 ( <b>7.80 - 7.89</b> )	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
1101 1 (1.00 - 1.07)	U	U	U	U	U	U	U	U	U	U
Entrance Weir Depths (0.01 - 0.1 too	low)									
SFE 1 (7.90 - 7.99)	10W)	1	0	1	0	0	0	0	0	0
NFE 2 ( <b>7.90 - 7.99</b> )	0	0	0	0	0	0	0	0	0	0
	0									
NSE 1 ( <b>7.90 - 7.99</b> )	U	0	0	0	0	0	0	0	0	0

INSPECTIONS					2021	_				
DATES:	10-Jun	14-Jun	15- Jun	16- Jun	22-Jun	23-Jun	24-Jun	28-Jun	30-Jun	1-Jul
DATES.	10-Juli	14-Juli	Juli	Jun	22 <b>-J</b> uii	25-Juli	24-Juli	20-Juli	50-Juli	1-Jui
CHANNEL VELOCITIES										
IN SOUTH FISHWAY:	2.6	1.7	1.8	2.5	2.4	2.6	2.3	2.8	3.0	2.2
ELEVATIONS:										
South Fish Ladder										
Forebay	438.0	438.0	438.2	438.2	438.1	438.0	437.9	438.1	437.7	438.3
Exit Pool	438.0	438.0	438.2	438.1	438.1	438.0	437.9	438.0	437.6	438.3
Makeup Diffuser	434.3	434.2	434.2	434.3	434.2	434.3	434.3	434.3	434.2	434.2
U S Picketed Leads	381.2	381.2	381.2	381.3	381.2	381.2	381.1	381.2	381.2	381.2
D S Picketed Leads	381.1	381.2	381.2	381.2	381.2	381.2	181.1	381.2	381.2	381.2
North Fish Ladder										
Forebay	437.9	438.0	438.1	438.1	438.1	438.0	437.9	438.1	437.5	438.2
Exit Pool	437.9	438.0	438.1	438.1	438.1	438.0	437.9	438.1	437.5	438.2
Makeup Diffuser	434.2	434.2	434.2	434.2	434.3	434.3	434.3	434.2	434.0	434.2
U S Picketed Leads	434.2	434.2	434.2	434.2	434.3	434.3	434.3	434.2	434.0	434.2
D S Picketed Leads	434.2	434.2	434.2	434.2	434.3	434.3	434.3	434.2	434.0	434.2
<b>Collection Channels</b>										
South Pwrh SG4	343.0	342.5	343.5	343.2	342.5	343.0	342.5	341.5	341.7	342.6
North Pwrh SG2	342.6	342.7	343.2	343.0	342.0	342.4	342.0	341.3	341.5	342.6
North Shore SG30	342.6	342.5	342.3	341.1	341.4	341.0	341.9	341.5	341.0	342.6
Tailwater										
South Pwrh SG3	341.0	341.3	342.4	341.8	340.2	341.0	340.5	340.1	340.2	341.3
North Pwrh SG1	341.0	341.4	342.2	341.8	340.3	341.2	340.4	340.1	340.1	341.2
North Shore SG29	341.9	340.5	341.2	339.6	339.7	339.0	340.2	339.6	339.5	341.4
<b>Entrance Weirs</b>										
SFE 1	332.8	332.6	334.1	333.5	332.3	333.0	333.7	332.3	332.3	332.3
NFE 2	332.5	332.5	332.5	332.5	332.6	332.6	332.5	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	0.1	0.0
Ladder Weirs	1.3	1.2	1.2	1.3	1.2	1.3	1.3	1.3	1.2	1.2
Counting Station	0.1	0.0	0.0	0.1	0.0	0.0	200.0	0.0	0.0	0.0
North Fish Ladder										
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	1.2	1.3	1.3	1.3	1.2	1.0	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	2.0	1.2	1.1	1.4	2.3	2.0	2.0	1.4	1.5	1.3
North Powerhouse	1.6	1.3	1.0	1.2	1.7	1.2	1.6	1.2	1.4	1.4
North Shore	0.7	2.0	1.1	1.5	1.7	2.0	1.7	1.9	1.5	1.2
Weir Depths										
SFE 1	8.2	8.7	8.3	8.3	7.9	8.0	6.8	7.8	7.9	9.0
NFE 2	8.5	8.9	9.7	9.3	7.7	8.6	7.9	7.8	7.8	8.9
NSE 1	9.6	8.2	8.9	7.3	7.4	6.7	7.9	7.3	7.2	9.1
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	NO	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	YES
North Powerhouse	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
North Shore	NO	YES	YES	YES	YES	YES	YES	YES	YES	YES
Weir Depths										
SFE 1	YES	YES	YES	YES	SILL	YES	NO	SILL	SILL	YES
NFE 2	YES	YES	YES	YES	NO	YES	NO	SILL	SILL	YES
NSE 1	YES	YES	YES	SILL	SILL	SILL	SILL	SILL	SILL	YES

CRITERIA POINTS: YES										
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	0	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	1
North Powerhouse	1	1	1	1	1	1	1	1	1	1
North Shore	0	1	1	1	1	1	1	1	1	1
Weir Depths										
SFE 1	1	1	1	1	0	1	0	0	0	1
NFE 2	1	1	1	1	0	1	0	0	0	1
NSE 1	1	1	1	0	0	0	0	0	0	1

	(Output =	0, 1, or								
CRITERIA POINTS: NO	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	1	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
<b>Collection Channels</b>										
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	1	0	0	0	0	0	0	0	0	0
Weir Depths										
SFE 1	0	0	0	0	0	0	1	0	0	0
NFE 2	0	0	0	0	1	0	1	0	0	0
NSE 1	0	0	0	0	0	0	0	0	0	0

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

Ladder Exit	nan 0.2 too low)									
	Not applic	able.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applie	able.								
South Ladder Differentials (0.11 - 0.	.2 too low)									
Ladder Exit	Not applic	able.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applie	cable.								
South Ladder Differentials (0.01 - 0.	.1 too low)									
Ladder Exit	Not applic	able.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applic	cable.								
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 th		,								
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	1	0	0	0
North Ladder Differentials (more th	· · · · · · · · · · · · · · · · · · ·									
Ladder Exit	Not applie		•				•		•	
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applie	cable.								
North Ladder Differentials (0.11 - 0.										
Ladder Exit	Not applie		0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applie	cable.								
North Ladder Differentials (0.01 - 0.		1.1								
Ladder Exit	Not applie		0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applic	cable.								
	• •									
North Ladder Differentials (0.01 - 0.	.1 too high)	0	0	0	0	0	0	0	0	0
North Ladder Differentials (0.01 - 0. Ladder Exit	1.1 too high)	0	0	0	0	0	0	0	0	0
North Ladder Differentials (0.01 - 0. Ladder Exit Ladder Weirs	0.1 too high)	0	0	0	0	0	0	0	0	0
North Ladder Differentials (0.01 - 0.  Ladder Exit  Ladder Weirs  Counting Station	0.1 too high) 0 0 0									
North Ladder Differentials (0.01 - 0.  Ladder Exit  Ladder Weirs  Counting Station  North Ladder Differentials (0.11 - 0.	0 0 0 0 0	0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0
North Ladder Differentials (0.01 - 0.	0.1 too high) 0 0 0 0 0 0 0.2 too high) 0	0 0	0 0	0 0	0 0	0 0	0 0	0	0 0	0 0
North Ladder Differentials (0.01 - 0.  Ladder Exit  Ladder Weirs  Counting Station  North Ladder Differentials (0.11 - 0.  Ladder Exit  Ladder Weirs	0.1 too high) 0 0 0 0 0 0 0.2 too high) 0 0	0 0 0	0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
North Ladder Differentials (0.01 - 0.01 - 0.00 Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (0.11 - 0.00 Ladder Exit Ladder Weirs Counting Station	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
North Ladder Differentials (0.01 - 0.01 Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (0.11 - 0.01 Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (more the	.1 too high) 0 0 0 .2 too high) 0 0 0 an 0.2 too high	0 0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0 0
North Ladder Differentials (0.01 - 0.	0.1 too high) 0 0 0 0 0.2 too high) 0 0 0 nan 0.2 too high	0 0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0
North Ladder Differentials (0.01 - 0.01 Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (0.11 - 0.01 Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (more the Ladder Exit Ladder Exit Ladder Exit Ladder Weirs	1.1 too high) 0 0 0 0 0 2.2 too high) 0 0 0 nan 0.2 too high	0 0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0
North Ladder Differentials (0.01 - 0.01 Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (0.11 - 0.01 Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (more the Ladder Exit Ladder Exit Ladder Weirs Counting Station	1.1 too high) 0 0 0 0 0 2.2 too high) 0 0 0 nan 0.2 too high 0 0	0 0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0
North Ladder Differentials (0.01 - 0.02) Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (0.11 - 0.02) Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (more the Ladder Exit Ladder Weirs Counting Station Counting Station Channel/Tailwater Differentials (<0.00)	0.1 too high) 0 0 0 0 0.2 too high) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0
North Ladder Differentials (0.01 - 0.02) Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (0.11 - 0.02) Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (more the Ladder Exit Ladder Weirs Counting Station Counting Station Channel/Tailwater Differentials (<0.02) South Shore	0.1 too high) 0 0 0 0 0.2 too high) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0
North Ladder Differentials (0.01 - 0.02) Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (0.11 - 0.02) Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (more the Ladder Exit Ladder Weirs Counting Station Counting Station Channel/Tailwater Differentials (<0.02) South Shore North Powerhouse	0.1 too high) 0 0 0 0 0.2 too high) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0
North Ladder Differentials (0.01 - 0.02) Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (0.11 - 0.02) Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (more the Ladder Exit Ladder Weirs Counting Station Counting Station Channel/Tailwater Differentials (<0.02) South Shore	0.1 too high) 0 0 0 0 0.2 too high) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0
North Ladder Differentials (0.01 - 0.1.4) Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (0.11 - 0.1.4) Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (more the Ladder Exit Ladder Weirs Counting Station Channel/Tailwater Differentials (<0.1.4) South Shore North Powerhouse North Shore	0.1 too high) 0 0 0 0 0 0.2 too high) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0
North Ladder Differentials (0.01 - 0.02) Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (0.11 - 0.02) Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (more the Ladder Exit Ladder Exit Ladder Weirs Counting Station Channel/Tailwater Differentials (<0.02) South Shore North Powerhouse North Shore Channel/Tailwater Differentials (0.02)	0.1 too high) 0 0 0 0 0 0.2 too high) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0
North Ladder Differentials (0.01 - 0.02) Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (0.11 - 0.02) Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (more the Ladder Exit Ladder Exit Ladder Weirs Counting Station Channel/Tailwater Differentials (<0.02) South Shore North Powerhouse North Shore Channel/Tailwater Differentials (0.02) Channel/Tailwater Differentials (0.02) South Shore	0.1 too high) 0 0 0 0 0.2 too high) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0
North Ladder Differentials (0.01 - 0.02) Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (0.11 - 0.02) Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (more the Ladder Exit Ladder Exit Ladder Weirs Counting Station Channel/Tailwater Differentials (<0.02) South Shore North Powerhouse North Shore Channel/Tailwater Differentials (0.02) South Shore North Powerhouse	0.1 too high) 0 0 0 0 0.2 too high) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0
North Ladder Differentials (0.01 - 0.00) Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (0.11 - 0.00) Ladder Exit Ladder Weirs Counting Station North Ladder Differentials (more the Ladder Exit Ladder Exit Ladder Weirs Counting Station Channel/Tailwater Differentials (<0.00) South Shore North Powerhouse North Shore Channel/Tailwater Differentials (0.00) Channel/Tailwater Differentials (0.00) Channel/Tailwater Differentials (0.00)	0.1 too high) 0 0 0 0 0.2 too high) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0

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 -										
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	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
E-4 W D4b - ( 4b 0.2.4	1)									
Entrance Weir Depths (more than 0.2 t SFE 1 (<7.80)	.00 10W)	0	0	0	0	0	1	0	0	0
NFE 2 (<7.80)	0	0	0	0	1	0	0	0	0	0
NFE 2 (<7.80) NSE 1 (<7.80)	0	0	0	0	0	0	0	0	0	0
NSE 1 (<7.00)	U	U	U	U	U	U	U	U	U	U
Entrance Weir Depths (0.11 - 0.2 too lo	w)									
SFE 1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
NFE 2 ( <b>7.80 - 7.89</b> )	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 lo	w)									
SFE 1 ( <b>7.90 - 7.99</b> )	0	0	0	0	0	0	0	0	0	0
NFE 2 ( <b>7.90 - 7.99</b> )	0	0	0	0	0	0	1	0	0	0
NSE 1 ( <b>7.90 - 7.99</b> )	0	0	0	0	0	0	0	0	0	0

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

APPENDIX 2 (CONTINUED). ICE H INSPECTIONS	IARBOR ADUL	T FISHW.	AY		2021	-				
DATES:	6-Jul	7-Jul	8-Jul	13-Jul	14-Jul	15-Jul	20-Jul	21-Jul	22-Jul	27-Jul
CHANNEL VELOCITIES										
IN SOUTH FISHWAY:	2.5	2.9	2.8	2.9	2.7	2.9	2.8	3.0	2.8	2.7
ELEVATIONS:										
South Fish Ladder										
Forebay	438.0	438.1	438.2	437.7	437.8	438.1	438.1	438.2	438.2	438.1
Exit Pool	438.0	438.1	438.1	437.7	437.8	438.1	438.1	438.1	438.2	438.1
Makeup Diffuser	434.2	434.3	434.2	434.2	434.2	434.2	434.2	434.3	434.2	434.2
U S Picketed Leads	381.2	381.3	381.2	381.2	381.2	381.2	381.4	381.3	381.1	381.2
D S Picketed Leads	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.3	381.2
North Fish Ladder										
Forebay	437.9	438.1	438.1	437.7	437.8	438.0	438.2	437.9	438.2	438.1
Exit Pool	437.9	438.2	438.0	437.7	437.8	438.1	438.2	438.0	438.2	438.1
Makeup Diffuser	434.2	434.2	434.1	434.1	434.1	434.2	434.2	434.2	434.3	434.2
U S Picketed Leads	434.2	434.2	434.2	434.2	434.1	434.2	434.2	434.2	434.3	434.2
D S Picketed Leads	434.2	434.2	434.1	434.1	434.1	434.2	434.2	434.2	434.3	434.2
Collection Channels										
South Pwrh SG4	341.8	341.8	342.0	341.4	341.8	341.8	342.2	341.7	341.7	341.3
North Pwrh SG2	341.6	341.8	341.5	340.5	341.7	340.8	341.7	341.0	341.1	340.5
North Shore SG30	341.9	341.5	341.2	340.3	340.9	340.8	341.2	341.1	341.2	340.3
Tailwater										
South Pwrh SG3	340.0	340.1	339.7	339.2	340.3	339.7	340.2	339.7	339.7	339.3
North Pwrh SG1	340.0	340.1	339.7	339.2	340.2	339.6	340.4	339.8	339.8	339.2
North Shore SG29	339.6	339.6	339.2	338.3	339.3	339.2	339.5	339.3	339.4	338.7
<b>Entrance Weirs</b>										
SFE 1	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.5	332.3
NFE 2	332.3	332.5	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	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Ladder Weirs	1.2	1.3	1.2	1.2	1.2	1.2	1.2	1.3	1.2	1.2
Counting Station	0.0	0.1	0.0	0.0	0.0	0.0	0.2	0.1	-0.2	0.0
North Fish Ladder										
Ladder Exit	0.0	-0.1	0.1	0.0	0.0	-0.1	0.0	-0.1	0.0	0.0
Ladder Weirs	1.2	1.2	1.1	1.1	1.1	1.2	1.2	1.2	1.3	1.2
Counting Station	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Collection Channels	1.0					2.4	• •	2.0	2.0	• •
South Shore	1.8	1.7	2.3	2.2	1.5	2.1	2.0	2.0	2.0	2.0
North Powerhouse	1.6	1.7	1.8	1.3	1.5	1.2	1.3	1.2	1.3	1.3
North Shore	2.3	1.9	2.0	2.0	1.6	1.6	1.7	1.8	1.8	1.6
Weir Depths		<b>=</b> 0	<b>-</b> .	- 0	0.0		<b>7</b> 0			<b>-</b> 0
SFE 1	7.7	7.8	7.4	6.9	8.0	7.4	7.9	7.4	7.2	7.0
NFE 2	7.7	7.6	7.4	6.9	7.9	7.3	8.1	7.5	7.5	6.9
NSE 1	7.3	7.3	6.9	6.0	7.0	6.9	7.2	7.0	7.1	6.4
CRITERIA POINTS:	NTC C	*ZTDQ	N/TOG	*ZTDG	MEG	MEG	MEG	MEG	MEG	MEG
Channel Velocities	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Differentials										
South Fish Ladder	******	T/TO	T/TCC	MEG	MEG	MEG	MEG	MEG	MEG	<b>3</b> 777.0
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									
Ladder Weirs	YES									
Counting Station	YES									
Collection Channels										
South Shore	YES	YES	NO	NO	YES	NO	YES	YES	YES	YES
North Powerhouse	YES									
North Shore	NO	YES								
Weir Depths										
SFE 1	SILL	SILL	SILL	SILL	YES	SILL	SILL	SILL	NO	SILL
NFE 2	SILL	NO	SILL	SILL	SILL	SILL	YES	SILL	SILL	SILL
NSE 1	SILL									

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

	(Output =	= 0, 1, or								
CRITERIA POINTS: NO	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	1	1	0	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	0	0	0
Weir Depths										
SFE 1	0	0	0	0	0	0	0	0	1	0
NFE 2	0	1	0	0	0	0	0	0	0	0
NSE 1	0	0	0	0	0	0	0	0	0	0

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

NFE 2	1	0	1	1	1	1	0	1	1	1
NSE 1	1	1	1	1	1	1	1	1	1	1

South Ladder Differentials (more than 0.2										
Ladder Exit	Not applica									
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicat	ole.								
South Ladder Differentials (0.11 - 0.2 too)	low)									
Ladder Exit	Not applicate	ole.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicat	ole.								
South Ladder Differentials (0.01 - 0.1 too	low)									
Ladder Exit	Not applica	ole.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applica	ole.								
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										
Ladder Exit	Not applical	ole.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applical									
North Ladder Differentials (0.01 - 0.1 too										
Ladder Exit	Not applical	ole								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applical					· ·		<u> </u>		
North Ladder Differentials (0.01 - 0.1 too		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,								
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	Ö	0	0	0	0	0	0	0	0	0
Counting Station	o O	0	0	0	0	0	0	0	0	0
North Ladder Differentials (0.11 - 0.2 too			U	<u> </u>			9		9	9
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		U	U	U	U	- U				
Ladder Exit	0 (100 mgm)	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
Counting Station Channel/Tailwater Differentials (<0.80)	U	U	U	U	U	U	U	U	U	U
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
Cl 1/D. 1 D. 100	20)									
Channel/Tailwater Differentials (0.80 - 0.8		0	0	0	0	0	0	0	0	0
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

South Shore   0	Channel/Tailwater Differentials (0.90 - 0.99	<b>)</b> ):									
North Shore	South Shore	0	-	0	0	-	0	0	0	0	0
Channel/Tailwater Differentials (2.01 - 2.10)	North Powerhouse	0	0	0	0	0	0	0	0	0	0
South Shore	North Shore	0	0	0	0	0	0	0	0	0	0
South Shore											
North Powerhouse		))									
North Shore 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	South Shore		0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (2.11 - 2.20)			•	-	-	Ü	Ü	· ·	Ü	0	Ü
South Shore	North Shore	0	0	0	0	0	0	0	0	0	0
South Shore											
North Powerhouse	· · · · · · · · · · · · · · · · · · ·										
North Shore 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0							_			-	
Channel/Tailwater Differentials (>2.20)  South Shore											
South Shore       0       0       1       0 <t< td=""><th>North Shore</th><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td></t<>	North Shore	0	0	0	0	0	0	0	0	0	0
South Shore       0       0       1       0 <t< td=""><th></th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>											
North Powerhouse		_	_		_			_			
North Shore 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			-	-		-	-	-	-	-	
Entrance Weir Depths (more than 0.2 too low)  SFE 1 (<7.80)	- 10-11 0 11 - 11-10		-	-		-	-	-	-	-	-
SFE 1 (<7.80)	North Shore	1	0	0	0	0	0	0	0	0	0
SFE 1 (<7.80)											
NFE 2 (<7.80)	• ` `		0	0	0	0	0	0	0	1	0
NSE 1 (<7.80)  0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0										1	
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 0 0 0 0 0 0 0 0 0											
SFE 1 (7.80 - 7.89)       0	NSE I (<7.80)	U	U	U	U	U	U	U	U	U	U
SFE 1 (7.80 - 7.89)       0	Entropes Weir Donths (0.11 0.2 too leve)										
NFE 2 (7.80 - 7.89) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	• •	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 0 0 0 0 0 0 0 0 0											
Entrance Weir Depths (0.01 - 0.1 too low)  SFE 1 (7.90 - 7.99)	` '										
SFE 1 (7.90 - 7.99) 0 0 0 0 0 0 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 0 0	NSE 1 (7.00 - 7.03)	U	U	U	U	U	U	U	U	U	U
SFE 1 (7.90 - 7.99) 0 0 0 0 0 0 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 0 0	Entrance Weir Denths (0.01 - 0.1 too low)										
NFE 2 ( <b>7.90 - 7.99</b> ) 0 0 0 0 0 0 0 0	• •	0	0	0	0	0	0	0	0	0	0

APPENDIX 2 (CONTINUED). ICE HAINSPECTIONS	ARBOR ADU	LT FISHV	VAY		2021					
						•				
DATES:	28-Jul	29-Jul	2- Aug	3- Aug	4-Aug	9-Aug	10-Aug	12-Aug	17-Aug	18-Aug
CHANNEL VELOCITIES										
IN SOUTH FISHWAY:	3.0	2.8	2.5	3.0	2.8		2.7	2.8	2.8	2.9
ELEVATIONS:										
South Fish Ladder										
Forebay	438.0	438.2	438.1	438.3	438.0	438.0	438.2	438.2	438.4	438.9
Exit Pool	438.0	438.1	438.1	438.3	438.0	438.0	438.2	438.3	438.4	438.8
Makeup Diffuser	434.2	434.2	434.3	434.3	434.3	434.3	434.3	434.3	434.3	434.3
U S Picketed Leads	381.2	381.2	381.3	381.2	381.1	381.2	381.2	381.2	381.1	381.2
D S Picketed Leads	381.2	381.2	381.2	381.2	381.1	381.1	381.2	381.2	381.1	381.1
North Fish Ladder										
Forebay	437.9	438.1	438.1	438.2	438.0	437.9	438.1	438.1	438.4	438.9
Exit Pool	437.9	438.1	438.2	438.3	438.1	437.9	438.2	438.2	438.5	439.0
Makeup Diffuser	434.2	434.1	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	434.1	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.3
Collection Channels	242.1	241.2	241.0	241.5	240.5	242.2	241.6	241.4	241.0	241.2
South Pwrh SG4	342.1	341.3	341.0	341.5	342.5	342.2	341.6	341.4	341.2	341.2
North Pwrh SG2 North Shore SG30	341.2	340.9	340.8	341.3	342.2	341.9	341.4	340.1	340.5	340.2
Tailwater	340.7	341.0	340.8	340.9	341.2	341.6	341.2	340.0	339.8	339.6
South Pwrh SG3	339.7	220.2	339.2	220.5	240.5	240.2	340.2	220.5	339.1	220 0
North Pwrh SG1	339.7	339.3 339.7	339.2	339.5 339.4	340.5 340.4	340.2 340.2	340.2	339.5 338.9	339.1	338.8 338.7
North Shore SG29	339.0	338.2	338.8	339.4	339.0	339.4	338.9	339.1	338.7	339.3
Entrance Weirs	337.1	330.2	330.0	330.7	337.0	337.4	330.7	337.1	330.7	337.3
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:	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
South Fish Ladder										
Ladder Exit	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.1
Ladder Weirs	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Counting Station	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.1
North Fish Ladder										
Ladder Exit	0.0	0.0	-0.1	-0.1	-0.1	0.0	-0.1	-0.1	-0.1	-0.1
Ladder Weirs	1.2	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3
Counting Station	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Collection Channels</b>										
South Shore	2.4	2.0	1.8	2.0	2.0	2.0	1.4	1.9	2.1	2.4
North Powerhouse	1.6	1.2	1.7	1.9	1.8	1.7	1.2	1.2	1.5	1.5
North Shore	1.6	2.8	2.0	2.2	2.2	2.2	2.3	0.9	1.1	0.3
Weir Depths										
SFE 1	7.4	7.0	6.9	7.2	8.2	7.9	7.9	7.2	6.8	6.5
NFE 2	7.3	7.4	6.8	7.1	8.1	7.9	7.9	6.6	6.7	6.4
NSE 1	6.8	5.9	6.5	6.4	6.7	7.1	6.6	6.8	6.4	7.0
CRITERIA POINTS:										
Channel Velocities	YES	YES	YES	YES	YES	NO	YES	YES	YES	YES
Differentials										
South Fish Ladder	VEC	VEC	VEC	VEC	VEC	VEC	VEC	VEC	VEC	VEC
Ladder Wairs	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs Counting Station	YES YES	YES YES	YES YES	YES YES	YES YES	YES YES	YES YES	YES YES	YES YES	YES YES
Counting Station	1123	1123	11:3	LES	1123	1123	1123	1123	1123	1123

North Fish Ladder										
Ladder Exit	YES									
Ladder Weirs	YES									
Counting Station	YES									
Collection Channels										
South Shore	NO	YES	NO	NO						
North Powerhouse	YES									
North Shore	YES	NO	YES	NO	NO	NO	NO	NO	YES	NO
Weir Depths										
SFE 1	SILL	SILL	SILL	SILL	YES	SILL	SILL	SILL	SILL	SILL
NFE 2	SILL	SILL	SILL	SILL	YES	SILL	SILL	SILL	SILL	SILL
NSE 1	SILL									

	(Output =	= 0, 1, or								
CRITERIA POINTS: YES	NA)									
Channel Velocities	1	1	1	1	1	0	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	0
North Powerhouse	1	1	1	1	1	1	1	1	1	1
North Shore	1	0	1	0	0	0	0	0	1	0
Weir Depths										
SFE 1	0	0	0	0	1	0	0	0	0	0
NFE 2	0	0	0	0	1	0	0	0	0	0
NSE 1	0	0	0	0	0	0	0	0	0	0

	(Output =	0, 1, or								
CRITERIA POINTS: NO	NA)									
Channel Velocities	0	0	0	0	0	1	O	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	O	0	0	0
Counting Station	0	0	0	0	0	0	O	0	0	0
Collection Channels										
South Shore	0	0	0	0	0	0	O	0	1	1
North Powerhouse	0	0	0	0	0	0	O	0	0	0
North Shore	0	1	0	1	1	1	1	1	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 = NA)	0, 1, or								
Weir Depths										
SFE 1	1	1	1	1	0	1	1	1	1	1

NFE 2	1	1	1	1	U	1	1	1	I	1
NSE 1	1	1	1	1	1	1	1	1	1	1

	241									
South Ladder Differentials (more than 0										
Ladder Exit	Not applicat									
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applical	ole.								
South Ladder Differentials (0.11 - 0.2 too										
Ladder Exit	Not applicat									
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicat	ole.								
South Ladder Differentials (0.01 - 0.1 too										
Ladder Exit	Not applical									_
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applical	ole.								
South Ladder Differentials (0.01 - 0.1 too	8 /									
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										
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										_
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										
Ladder Exit	Not applical									_
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicat	ole.								
North Ladder Differentials (0.11 - 0.2 to										
Ladder Exit	Not applical		•							
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applical	ole.								
North Ladder Differentials (0.01 - 0.1 to										
Ladder Exit	Not applicat		0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applical	ole.								
North Ladder Differentials (0.01 - 0.1 to		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 Ladder Differentials (0.11 - 0.2 to		0	0	0	0	0	0	0	C	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 Ladder Differentials (more than 0 Ladder Exit	0.2 too high)	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station Channel/Toilwater Differentials (c0.80)	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (<0.80)	0	0	0	0	0	0	0	0	0	0
South Shore	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	1
Cl	. 00)									
Channel/Tailwater Differentials (0.80 - 0		0	0	0	0	0	0	0	0	0
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	1	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)									
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	1	0	0	0	0	0
Channel/Tailwater Differentials (>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	1	0	0	0	1	1	0	0	0
Entrance Weir Depths (more than 0.2 to	o low)									
SFE 1 (< <b>7.80</b> )	0	0	0	0	0	0	0	0	0	0
NFE 2 (< <b>7.80</b> )	0	0	0	0	0	0	0	0	0	0
NSE 1 (< <b>7.80</b> )	0	0	0	0	0	0	0	0	0	0
Entrance Weir Depths (0.11 - 0.2 too low										
SFE 1 ( <b>7.80 - 7.89</b> )	0	0	0	0	0	0	0	0	0	0
NFE 2 ( <b>7.80 - 7.89</b> )	0	0	0	0	0	0	0	0	0	0
NSE 1 ( <b>7.80 - 7.89</b> )	0	0	0	0	0	0	0	0	0	0
Entrance Weir Depths (0.01 - 0.1 too low	·)									
SFE 1 ( <b>7.90 - 7.99</b> )	0	0	0	0	0	0	0	0	0	0
NFE 2 ( <b>7.90 - 7.99</b> )	0	0	0	0	0	0	0	0	0	0
NSE 1 ( <b>7.90 - 7.99</b> )	0	0	0	0	0	0	0	0	0	0

					•					
DATES:	19-Aug	23-Aug	24- Aug	25-Aug	31-Aug	1-Sep	2-Sep	7-Sep	8-Sep	9-Sep
CHANNEL VELOCITIES										
IN SOUTH FISHWAY:	2.5	2.8	2.7	2.9	2.8	2.9	2.8	2.8	2.9	2.7
ELEVATIONS:										
South Fish Ladder										
Forebay	439.0	439.3	438.7	436.6	439.3	439.1	438.4	438.8	438.4	439.2
Exit Pool	439.0	439.3	438.6	436.6	439.3	439.1	438.4	438.8	438.4	439.2
Makeup Diffuser	434.3	434.3	434.3	434.3	434.3	434.3	434.3	434.3	434.3	434.3
U S Picketed Leads	381.3	381.1	381.1	381.2	381.3	381.1	381.3	381.2	381.2	381.3
D S Picketed Leads	381.2	381.1	381.1	381.2	381.2	381.3	381.1	381.1	381.1	381.2
North Fish Ladder										
Forebay	439.0	439.2	438.6	438.6	439.3	439.0	438.4	438.8	438.7	439.1
Exit Pool	439.1	439.2	438.6	438.6	439.3	439.0	438.4	438.8	438.7	439.1
Makeup Diffuser	434.2	434.3	434.3	434.2	434.3	434.3	434.3	434.3	434.3	434.3
U S Picketed Leads	434.3	434.3	434.3	434.2	434.3	434.3	434.3	434.3	434.3	434.3
D S Picketed Leads	434.2	434.3	434.3	434.2	434.3	434.3	434.3	434.3	434.3	434.3
Collection Channels										
South Pwrh SG4	341.7	340.8	341.7	341.2	341.4	341.8	341.8	342.0	341.7	341.5
North Pwrh SG2	341.0	339.9	341.5	340.3	340.8	341.5	341.4	341.4	431.3	341.1
North Shore SG30	340.3	340.0	340.6	339.2	339.2	340.0	341.1	341.7	341.2	341.1
Tailwater										
South Pwrh SG3	339.7	338.2	339.5	338.9	339.0	339.2	340.0	340.3	339.8	339.4
North Pwrh SG1	340.0	338.2	339.6	338.8	338.9	339.2	340.0	340.0	339.8	339.6
North Shore SG29	339.7	339.0	339.6	338.3	338.5	339.6	339.6	340.0	339.7	339.5
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	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ladder Weirs	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Counting Station	0.1	0.0	0.0	0.0	0.1	-0.2	0.2	0.1	0.1	0.1
North 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	1.2	1.3	1.3	1.2	1.3	1.3	1.3	1.3	1.3	1.3
Counting Station	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Collection Channels										
South Shore	2.0	2.6	2.2	2.3	2.4	2.6	1.8	1.7	1.9	2.1
North Powerhouse	1.0	1.7	1.9	1.5	1.9	2.3	1.4	1.4	91.5	1.5
North Shore	0.6	1.0	1.0	0.9	0.7	0.4	1.5	1.7	1.5	1.6
Weir Depths										
SFE 1	7.4	5.9	7.2	6.6	6.7	6.9	7.7	8.0	7.5	7.1
NFE 2	7.7	5.9	7.3	6.5	6.6	6.9	7.7	7.7	7.5	7.3
NSE 1	7.4	6.7	7.3	6.0	6.2	7.3	7.3	7.7	7.4	7.2
CRITERIA POINTS:	*****	1,770	1000	*****	VEC.	TITE C	*****	1700	1750	*****
Channel Velocities	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Differentials										
South Fish Ladder	******	3.700°C	NAME OF	T.T.C	<b>V</b> EC	<b>T</b> ZEC	FIE	TITIC	3.777.0	T.T.C
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									
Ladder Weirs	YES									
Counting Station	YES									
Collection Channels										
South Shore	YES	NO	NO	NO	NO	NO	YES	YES	YES	NO
North Powerhouse	YES	YES	YES	YES	YES	NO	YES	YES	NO	YES
North Shore	NO	YES	YES	NO	NO	NO	YES	YES	YES	YES
Weir Depths										
SFE 1	SILL	YES	SILL	SILL						
NFE 2	SILL									
NSE 1	SILL									

	(Output =	: 0, 1, or								
CRITERIA POINTS: YES	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	0	0	0	0	1	1	1	0
North Powerhouse	1	1	1	1	1	0	1	1	0	1
North Shore	0	1	1	0	0	0	1	1	1	1
Weir Depths										
SFE 1	0	0	0	0	0	0	0	1	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

	(Output =	: 0, 1, or								
CRITERIA POINTS: NO	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	1	1	1	1	1	1	0	0	0	1
North Powerhouse	0	0	0	0	0	1	0	0	1	0
North Shore	1	0	0	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

	(Output =	0, 1, or								
CRITERIA POINTS: SILL	NA)									
Weir Depths										
SFE 1	1	1	1	1	1	1	1	0	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 (more than 1997)									
Ladder Exit	Not applicable.								
Ladder Weirs	0 0	0	0	0	0	0	0	0	0
Counting Station	Not applicable.								
South Ladder Differentials (0.11 - 0	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	0.1 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	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	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 1997)	han 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	han 0.2 too low)								
Ladder Exit	Not applicable.								
Ladder Weirs	0 0	0	0	0	0	0	0	0	0
Counting Station	Not applicable.								
North Ladder Differentials (0.11 - 0	0.2 too low)								
Ladder Exit	Not applicable.								
Ladder Weirs	0 0	0	0	0	0	0	0	0	0
Counting Station	Not applicable.								
North Ladder Differentials (0.01 - 0	0.1 too low)								
Ladder Exit	Not applicable.								
Ladder Weirs	0 0	0	0	0	0	0	0	0	0
Counting Station	Not applicable.								
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	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									
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									
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	1	1	0	0	0	0
Channel/Tailwater Differentials (0.5)	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 - 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	1	0	0	0	0	0	0
Channel/Tailwater Differentials (2.01	1 - 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	1 - 2.20)									
South Shore	0	0	1	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	0	0	0
Channel/Tailwater Differentials (>2.2	20)									
South Shore	1	1	0	1	1	1	0	0	0	0
North Powerhouse	0	0	0	0	0	1	0	0	1	0
North Shore	0	0	0	0	0	0	0	0	0	0
Entrance Weir Depths (more than 0.2										
SFE 1 (< <b>7.80</b> )	0	0	0	0	0	0	0	0	0	0
NFE 2 (< <b>7.80</b> )	0	0	0	0	0	0	0	0	0	0
NSE 1 (< <b>7.80</b> )	0	0	0	0	0	0	0	0	0	0
T. W. D. J. (044, 044,										
Entrance Weir Depths (0.11 - 0.2 too		0	0	0	0	0	0	0	0	0
SFE 1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
NFE 2 ( <b>7.80 - 7.89</b> )	0	0	0	0	0	0	0	0	0	0
NSE 1 ( <b>7.80 - 7.89</b> )	0	0	0	0	0	0	0	0	0	0
E-4	1									
Entrance Weir Depths (0.01 - 0.1 too		0	0	0	0	0	0	0	0	0
SFE 1 ( <b>7.90 - 7.99</b> )	0	0	0	0	0	0	0	0	0	0
NFE 2 ( <b>7.90 - 7.99</b> )	0	0	0	0	0 0	0	0 0	0	0 0	0
NSE 1 ( <b>7.90 - 7.99</b> )	U	U	U	U	U	0	U	U	U	0

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

INSPECTIONS				2021	-					
DATES:	13-Sep	14-Sep	15- Sep	21-Sep	22-Sep	23-Sep	27-Sep	28-Sep	29-Sep	5-Oct
CHANNEL VELOCITIES										
IN SOUTH FISHWAY:	2.9	2.9	2.8	2.7	2.8	2.8	2.6	2.1	2.6	2.5
<b>ELEVATIONS:</b>										
South Fish Ladder										
Forebay	439.4	438.9	439.0	439.3	438.8	439.3	439.2	439.5	439.1	439.3
Exit Pool	439.4	438.9	439.0	439.3	438.8	439.3	439.2	439.4	439.1	439.3
Makeup Diffuser	434.3	434.3	434.3	434.3	434.3	434.3	434.3	434.3	434.3	434.3
U S Picketed Leads	381.4	381.3	381.2	381.3	381.2	381.1	381.2	381.2	381.2	381.2
D S Picketed Leads	381.1	381.2	381.1	381.2	381.1	381.1	381.1	381.1	381.1	381.1
North Fish Ladder										
Forebay	439.5	438.8	439.0	439.2	438.9	439.2	439.1	439.4	439.4	439.3
Exit Pool	439.5	438.8	439.0	439.2	438.9	439.2	439.1	439.4	439.4	439.3
Makeup Diffuser	433.7	433.7	433.8	434.2	434.3	434.3	434.3	434.2	434.2	434.2
U S Picketed Leads	434.0	434.0	434.0	434.3	434.3	434.3	434.3	434.3	434.3	434.3
D S Picketed Leads	433.7	433.7	433.8	434.2	434.3	434.3	434.3	434.2	434.2	434.2
Collection Channels										
South Pwrh SG4	342.1	342.1	341.5	341.7	341.9	341.6	341.9	341.8	341.7	341.5
North Pwrh SG2	341.5	341.7	340.7	340.1	341.0	341.1	341.3	341.5	341.2	341.0
North Shore SG30	341.2	341.1	340.9	340.9	340.9	341.0	341.3	341.8	341.6	341.1
Tailwater										
South Pwrh SG3	340.0	340.0	338.9	339.1	339.3	339.3	340.0	340.3	340.0	339.6
North Pwrh SG1	340.0	340.0	338.9	339.1	339.3	339.3	340.0	340.3	340.0	339.6
North Shore SG29	339.6	339.6	339.2	339.0	339.1	339.2	339.7	340.7	340.2	339.5
<b>Entrance Weirs</b>										
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	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Counting Station	0.3	0.1	0.1	0.1	0.1	0.0	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	0.0	0.0	0.0
Ladder Weirs	0.7	0.7	0.8	1.2	1.3	1.3	1.3	1.2	1.2	1.2
Counting Station	0.3	0.3	0.2	0.1	0.0	0.0	0.0	0.1	0.1	0.1
Collection Channels										
South Shore	2.1	2.1	2.6	2.6	2.6	2.3	1.9	1.5	1.7	1.9
North Powerhouse	1.5	1.7	1.8	1.0	1.7	1.8	1.3	1.2	1.2	1.4
North Shore	1.6	1.5	1.7	1.9	1.8	1.8	1.6	1.1	1.4	1.6
Weir Depths										
SFE 1	7.7	7.7	6.6	6.8	7.0	7.0	7.7	8.0	7.7	7.3
NFE 2	7.7	7.7	6.6	6.8	7.0	7.0	7.7	8.0	7.7	7.3
NSE 1	7.3	7.3	6.9	6.7	6.8	6.9	7.4	8.4	7.9	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

2021

North Fish Ladder										
Ladder Exit	YES	YES	YES	YES						
Ladder Weirs	NO	NO	NO	YES	YES	YES	YES	YES	YES	YES
Counting Station	YES	YES	YES	YES						
Collection Channels										
South Shore	NO	NO	NO	NO	NO	NO	YES	YES	YES	YES
North Powerhouse	YES	YES	YES	YES						
North Shore	YES	YES	YES	YES						
Weir Depths										
SFE 1	SILL	YES	SILL	SILL						
NFE 2	SILL	YES	SILL	SILL						
NSE 1	SILL	YES	SILL	SILL						

	(Output =	= 0, 1, or								
CRITERIA POINTS: YES	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	0	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	0	0	0	0	1	1	1	1
North Powerhouse	0	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	1	0	0
NFE 2	0	0	0	0	0	0	0	1	0	0
NSE 1	0	0	0	0	0	0	0	1	0	0

	(Output =	= 0, 1, or								
CRITERIA POINTS: NO	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	1	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
Collection Channels										
South Shore	0	1	1	1	1	1	0	0	0	0
North Powerhouse	1	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 = NA)	0, 1, or								
Weir Depths										
SFE 1	1	1	1	1	1	1	1	0	1	1

NFE 2	1	1	1	1	1	1	1	0	1	1
NSE 1	1	1	1	1	1	1	1	0	1	1

South Ladder Differentials (more than										
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 (0.11 - 0.2	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.								
South Ladder Differentials (0.01 - 0.1	1 too low)									
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 (0.01 - 0.1	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	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 tha										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	ő	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	· ·	, i		V	<u> </u>			, and the second	<u> </u>	<u> </u>
Ladder Exit	Not applicab	le.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicab			V	<u> </u>			, and the second	<u> </u>	<u> </u>
North Ladder Differentials (0.11 - 0.2		10.								
Ladder Exit	Not applicab	le.								
Ladder Weirs	0	0	1	0	0	0	0	0	0	0
Counting Station	Not applicab		•	<u> </u>	, and the second		<u> </u>		, in the second	<u> </u>
North Ladder Differentials (0.01 - 0.	• •	10.								
Ladder Exit	Not applicab	1e								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicab		<del>U</del>	<u> </u>	, and the second		<u> </u>		, in the second	<u> </u>
North Ladder Differentials (0.01 - 0.)		10.								
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 - 0.3		· ·	U	J	9	<del>U</del>	J	U	J	
Ladder Exit	2 too mgn)	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			U	U					U	
Ladder Exit	0.2 too mgn	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
Channel/Tailwater Differentials (<0.		U	U	J	J	U	U	U	U	J
South Shore	0	0	0	0	0	0	0	0	0	0
	0			0	0	0		0	0	0
North Share		0	0				0			
North Shore	0	0	0	0	0	0	0	0	0	0
Charmal/Tailmat. Diff. 1. (0.0)	0 0 00									
Channel/Tailwater Differentials (0.80		0		0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (>2.2	20)									
South Shore	0	0	1	1	1	1	0	0	0	0
North Powerhouse	1	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	2 too low)									
SFE 1 (< <b>7.80</b> )	0	0	0	0	0	0	0	0	0	0
NFE 2 ( <b>&lt;7.80</b> )	0	0	0	0	0	0	0	0	0	0
NSE 1 ( <b>&lt;7.80</b> )	0	0	0	0	0	0	0	0	0	0
Entrance Weir Depths (0.11 - 0.2 too	low)									
SFE 1 ( <b>7.80 - 7.89</b> )	0	0	0	0	0	0	0	0	0	0
NFE 2 ( <b>7.80 - 7.89</b> )	0	0	0	0	0	0	0	0	0	0
NSE 1 ( <b>7.80 - 7.89</b> )	0	0	0	0	0	0	0	0	0	0
Entrance Weir Depths (0.01 - 0.1 too	low)									
SFE 1 ( <b>7.90 - 7.99</b> )	0	0	0	0	0	0	0	0	0	0
NFE 2 ( <b>7.90 - 7.99</b> )	0	0	0	0	0	0	0	0	0	0
NSE 1 ( <b>7.90 - 7.99</b> )	0	0	0	0	0	0	0	0	0	0

## APPENDIX 2 (CONTINUED). ICE HARBOR ADULT FISHWAY INSPECTIONS 2021

DATES:	6-Oct	7-Oct	12- Oct	13-Oct	14-Oct	18-Oct	19-Oct	20-Oct	26-Oct	27-Oct
CHANNEL VELOCITIES										
IN SOUTH FISHWAY:	2.6	2.3	3.1	3.0	3.2	2.9	3.1	2.6	2.3	3.0
ELEVATIONS:										
South Fish Ladder										
Forebay	439.5	439.6	438.9	439.2	438.9	438.8	439.3	438.8	438.9	439.0
Exit Pool	439.5	439.5	438.9	439.2	438.9	438.8	439.2	438.8	438.9	439.0
Makeup Diffuser	434.3	434.3	434.3	434.3	434.3	434.3	434.3	434.3	434.3	434.3
U S Picketed Leads	381.2	381.3	381.2	381.3	381.2	381.2	381.5	381.2	381.4	381.3
D S Picketed Leads	381.1	381.2	381.1	381.1	381.1	381.1	381.2	381.1	381.2	381.1
North Fish Ladder										
Forebay	439.1	439.5	438.9	439.1	438.8	438.6	439.3	438.6	438.7	439.0
Exit Pool	439.1	439.5	438.9	439.1	438.8	438.6	439.4	438.6	438.8	439.1
Makeup Diffuser	434.2	434.3	434.2	434.2	434.2	434.2	434.2	434.3	434.2	434.2
U S Picketed Leads	434.3	434.3	434.3	434.3	434.3	434.3	434.3	434.3	434.3	434.3
D S Picketed Leads	434.2	434.3	434.2	434.2	434.2	434.2	434.2	434.3	434.2	434.2
Collection Channels										
South Pwrh SG4	341.2	342.4	340.5	340.5	340.5	341.4	341.2	341.0	341.6	340.9
North Pwrh SG2	340.9	341.7	339.6	339.2	339.7	340.7	341.0	340.2	341.3	340.1
North Shore SG30	341.0	341.6	340.3	339.4	339.8	340.9	341.3	341.1	341.0	340.5
Tailwater										
South Pwrh SG3	339.3	340.6	337.6	337.6	337.9	339.5	339.3	339.2	340.0	338.9
North Pwrh SG1	339.3	340.5	337.6	337.6	337.8	339.4	339.4	339.0	340.0	338.8
North Shore SG29	339.1	340.4	338.1	337.7	337.9	339.4	339.9	339.5	339.2	338.5
<b>Entrance Weirs</b>										
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	0.0	0.1	0.0	0.0	0.0
Ladder Weirs	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Counting Station	0.1	0.1	0.1	0.2	0.1	0.1	0.3	0.1	0.2	0.2
North Fish Ladder										
Ladder Exit	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	-0.1	-0.1
Ladder Weirs	1.2	1.3	1.2	1.2	1.2	1.2	1.2	1.3	1.2	1.2
Counting Station	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1
Collection Channels										
South Shore	1.9	1.8	2.9	2.9	2.6	1.9	1.9	1.8	1.6	2.0
North Powerhouse	1.6	1.2	2.0	1.6	1.9	1.3	1.6	1.2	1.3	1.3
North Shore	1.9	1.2	2.2	1.7	1.9	1.5	1.4	1.6	1.8	2.0
Weir Depths										
SFE 1	7.0	8.3	5.3	5.3	5.6	7.2	7.0	6.9	7.7	6.6
NFE 2	7.0	8.2	5.3	5.3	5.5	7.1	7.1	6.7	7.7	6.5
NSE 1	6.8	8.1	5.8	5.4	5.6	7.1	7.6	7.2	6.9	6.2
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	NO	NO	NO	YES	YES	YES	YES	YES
North Powerhouse	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
North Shore	YES	YES	NO	YES						
Weir Depths										
SFE 1	SILL	YES	SILL							
NFE 2	SILL	YES	SILL							
NSE 1	SILL	YES	SILL							

	(Output =	= 0, 1, or								
CRITERIA POINTS: YES	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	0	0	0	1	1	1	1	1
North Powerhouse	1	1	1	1	1	1	1	1	1	1
North Shore	1	1	0	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

	(Output =	: 0, 1, or								
CRITERIA POINTS: NO	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	1	1	1	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	1	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

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

NFE 2	1 .	I .	1	L .	I .	l l	l I	. 1	J	ı
NSE 1	1	1	1 1	l :	1	1 1	l 1	. 1	. 1	l .

South Ladder Differentials (more than	0.2 too low)									
Ladder Exit	Not applicable.									
Ladder Weirs		0	0	0	0	0	0	0	0	0
Counting Station	Not applicable.		<u> </u>							
South Ladder Differentials (0.11 - 0.2 to										
Ladder Exit	Not applicable.									
Ladder Weirs		0	0	0	0	0	0	0	0	0
Counting Station	Not applicable.									
South Ladder Differentials (0.01 - 0.1 to	• •									
Ladder Exit	Not applicable.									
Ladder Weirs		0	0	0	0	0	0	0	0	0
Counting Station	Not applicable.									
South Ladder Differentials (0.01 - 0.1 to										
Ladder Exit	0 /	0	0	0	0	0	0	0	0	0
Ladder Weirs		0	0	0	0	0	0	0	0	0
Counting Station		0	0	0	0	0	0	0	0	0
South Ladder Differentials (0.11 - 0.2 to					- U		· ·			· ·
Ladder Exit		0	0	0	0	0	0	0	0	0
Ladder Weirs		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		U	U	U	<u> </u>	0	U	U		U
Ladder Exit		0	0	0	0	0	0	0	0	0
Ladder Weirs		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		U	U	U	U	U	U	U	U	U
Ladder Exit	Not applicable.									
Ladder Weirs		0	0	0	0	0	0	0	0	0
Counting Station	Not applicable.		U	U	<u> </u>	0	U	U		U
North Ladder Differentials (0.11 - 0.2 to	* *									
Ladder Exit	Not applicable.									
Ladder Weirs		0	0	0	0	0	0	0	0	0
Counting Station	Not applicable.		<u> </u>	U	0	0	U	· ·		<u> </u>
North Ladder Differentials (0.01 - 0.1 to	• •									
Ladder Exit	Not applicable.									
Ladder Weirs		0	0	0	0	0	0	0	0	0
Counting Station	Not applicable.		<u> </u>	U	0	0	U	· ·		<u> </u>
North Ladder Differentials (0.01 - 0.1 to										
Ladder Exit		0	0	0	0	0	0	0	0	0
Ladder Weirs		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 to	a <del>la companya da manana da mana</del>	<u> </u>	<u> </u>	U	0	0	U	· ·		<u> </u>
Ladder Exit	0	0	0						0	^
Laudel Lait			()	0	0	0	0	0		()
Ladder Wairs			0	0	0	0	0	0		0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0		7	7						
Counting Station North Ladder Differentials (more than	0 0 0.2 too high)	0	0	0 0	0	0	0	0	0	0
Counting Station  North Ladder Differentials (more than Ladder Exit	0 0 0.2 too high)	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Counting Station  North Ladder Differentials (more than Ladder Exit Ladder Weirs	0 0 0.2 too high) 0	0 0	0 0	0 0	0 0 0	0 0 0	0 0	0 0 0	0 0 0	0 0
Counting Station  North Ladder Differentials (more than Ladder Exit Ladder Weirs Counting Station	0 0 0.2 too high) 0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Counting Station  North Ladder Differentials (more than Ladder Exit Ladder Weirs Counting Station  Channel/Tailwater Differentials (<0.80)	0 0 0.2 too high) 0 0	0 0 0 0	0 0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0 0
Counting Station  North Ladder Differentials (more than Ladder Exit Ladder Weirs Counting Station  Channel/Tailwater Differentials (<0.80) South Shore	0 0 0.2 too high) 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0
Counting Station  North Ladder Differentials (more than Ladder Exit Ladder Weirs Counting Station  Channel/Tailwater Differentials (<0.80) South Shore North Powerhouse	0 0 0.2 too high) 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0
Counting Station  North Ladder Differentials (more than Ladder Exit Ladder Weirs Counting Station  Channel/Tailwater Differentials (<0.80) South Shore	0 0 0.2 too high) 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0
Counting Station  North Ladder Differentials (more than Ladder Exit Ladder Weirs Counting Station  Channel/Tailwater Differentials (<0.80) South Shore North Powerhouse North Shore	0 0 0.2 too high) 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0
Counting Station  North Ladder Differentials (more than Ladder Exit Ladder Weirs Counting Station  Channel/Tailwater Differentials (<0.80) South Shore North Powerhouse North Shore  Channel/Tailwater Differentials (0.80 -	0 0 0.2 too high) 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0
Counting Station  North Ladder Differentials (more than Ladder Exit Ladder Weirs Counting Station  Channel/Tailwater Differentials (<0.80) South Shore North Powerhouse North Shore  Channel/Tailwater Differentials (0.80 - South Shore	0 0 0.2 too high) 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0
Counting Station  North Ladder Differentials (more than Ladder Exit Ladder Weirs Counting Station  Channel/Tailwater Differentials (<0.80) South Shore North Powerhouse North Shore  Channel/Tailwater Differentials (0.80 -	0 0 0.2 too high) 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0

C	Channel/Tailwater Differentials (0.90 - 0.9	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
C	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
C	Channel/Tailwater Differentials (2.11 - 2.2	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	1	0	0	0	0	0	0	0
C	Channel/Tailwater Differentials (>2.20)										
	South Shore	0	0	1	1	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
E	Entrance Weir Depths (more than 0.2 too										
	SFE 1 (< <b>7.80</b> )	0	0	0	0	0	0	0	0	0	0
	NFE 2 (< <b>7.80</b> )	0	0	0	0	0	0	0	0	0	0
	NSE 1 (< <b>7.80</b> )	0	0	0	0	0	0	0	0	0	0
_	W. B. (0.11.00)										
E	Contrance Weir Depths (0.11 - 0.2 too low)  SFE 1 (7.80 - 7.89)		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	0
	NSE 1 (7.80 - 7.89)	U	U	U	U	U	U	U	U	U	U
TG	Entrance Weir Depths (0.01 - 0.1 too low)										
E	SFE 1 ( <b>7.90 - 7.99</b> )	0	0	0	0	0	0	0	0	0	0
	NFE 2 ( <b>7.90 - 7.99</b> )	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
	1100 1 (100 - 100)	U	U	U	U	U	U	U	U	U	U

APPENDIX 2 (CONTINUED). ICE INSPECTIONS	E HARBOR ADU	JLT FISH	WAY			2021	_			
DATES:	28-Oct	1-Nov	2- Nov	3- Nov	8-Nov	9-Nov	10-Nov	15-Nov	16-Nov	17-Nov
CANAL NAVIGA A VICTO O CAMBANG										
CHANNEL VELOCITIES	2.0	• •	2.2	2.0	• •		• •	• •	2.4	27/4
IN SOUTH FISHWAY:	3.0	2.9	3.3	3.0	2.9	2.6	2.8	2.9	3.1	N/A
<b>ELEVATIONS:</b>										
South Fish Ladder										
Forebay	438.6	439.1	438.9	438.9	438.6	438.2	438.4	439.0	439.0	438.9
Exit Pool	438.6	439.1	438.8	438.9	438.5	438.2	438.4	439.0	439.0	438.9
Makeup Diffuser	434.3	434.3	434.3	434.3	434.3	434.3	434.3	434.2	434.3	434.3
U S Picketed Leads	381.3	381.4	381.3	381.3	381.3	381.3	381.3	381.3	381.3	381.3
D S Picketed Leads	381.2	381.3	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.2
North Fish Ladder										
Forebay	438.6	438.9	438.9	338.9	438.7	438.3	438.4	439.1	439.1	438.9
Exit Pool	438.6	439.0	439.0	339.0	438.7	438.3	438.5	439.2	439.2	439.0
Makeup Diffuser	434.2	434.2	434.3	434.2	434.2	434.2	434.2	434.2	434.2	434.2
U S Picketed Leads	434.3	434.3	434.3	434.2	434.2	434.2	434.2	434.2	434.2	434.2
D S Picketed Leads	434.2	434.2	434.3	434.2	434.2	434.2	434.2	434.2	434.2	434.2
Collection Channels										
South Pwrh SG4	341.0	341.8	340.9	340.8	341.2	341.3	341.3	341.8	341.5	341.7
North Pwrh SG2	340.5	241.4	340.3	340.2	340.5	340.8	340.8	341.4	341.2	341.3
North Shore SG30	340.6	341.5	340.5	341.0	340.7	341.4	341.2	341.7	341.5	341.6
Tailwater	340.0	341.3	340.3	341.0	340.7	341.4	341.2	341.7	341.3	341.0
South Pwrh SG3	339.2	340.3	338.9	338.8	339.3	339.4	339.4	340.1	339.7	340.0
North Pwrh SG1	339.1	340.3	338.7	339.0	339.3	339.4	339.4	340.1	339.7	340.0
North Shore SG29	339.1	340.2	338.6	339.0	339.1	339.8	339.5	340.1	340.1	340.0
	339.0	340.1	336.0	339.1	339.1	339.6	339.3	340.3	340.1	340.3
Entrance Weirs	222.2	222.2	222.2	222.2	222.2	222.2	222.2	222.2	222.2	222.2
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	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Ladder Weirs	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.3	1.3
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	-0.1	-0.1	-0.1	0.0	0.0	-0.1	-0.1	-0.1	-0.1
Ladder Weirs	1.2	1.2	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Counting Station	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Collection Channels</b>										
South Shore	1.8	1.5	2.0	2.0	1.9	1.9	1.9	1.7	1.8	1.7
North Powerhouse	1.4	-98.8	1.6	1.2	1.4	1.2	1.2	1.3	1.3	1.3
North Shore	1.6	1.4	1.9	1.9	1.6	1.6	1.7	1.2	1.4	1.3
Weir Depths										
SFE 1	6.9	8.0	6.6	6.5	7.0	7.1	7.1	7.8	7.4	7.7
NFE 2	6.8	7.9	6.4	6.7	6.8	7.3	7.3	7.8	7.6	7.7
NSE 1	6.7	7.8	6.3	6.8	6.8	7.5	7.2	8.2	7.8	8.0
CRITERIA POINTS:										
Channel Velocities	YES	YES	YES	YES	YES	YES	YES	YES	YES	NO
Differentials										
South Fish Ladder										
Ladder Exit	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
I -44 W-!	VEC	VEC	VEC	VEC	VEC	VEC	VEC	VEC	VEC	VEC

YES

YES

Ladder Weirs

Counting Station

YES

North Fish Ladder										
Ladder Exit	YES									
Ladder Weirs	YES									
Counting Station	YES									
Collection Channels										
South Shore	YES									
North Powerhouse	YES	NO	YES							
North Shore	YES									
Weir Depths										
SFE 1	SILL	YES	SILL							
NFE 2	SILL									
NSE 1	SILL	YES	SILL	YES						

	(Output =	0, 1, or								
CRITERIA POINTS: YES	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	0	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	1	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	1

	(Output =	0, 1, or								
CRITERIA POINTS: NO	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
Collection Channels										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	1	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 = NA)	0, 1, or								
Weir Depths										
SFE 1	1	0	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	0	1	0

South Ladder Differentials (more than										
Ladder Exit	Not applicat									
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicat	ole.								
South Ladder Differentials (0.11 - 0.2 to										
Ladder Exit	Not applicat	ole.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicat	ole.								
South Ladder Differentials (0.01 - 0.1 to										
Ladder Exit	Not applicat	ole.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicat	ole.								
South Ladder Differentials (0.01 - 0.1 to	oo 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 to	oo 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 t	oo 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 t										
Ladder Exit	Not applical	ole.								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicat	ole.								
North Ladder Differentials (0.01 - 0.1 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
North Ladder Differentials (0.11 - 0.2 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
North Ladder Differentials (more than		0	U	9						9
Ladder Exit	0.2 too mgn)	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		U	U	U	U	U	U	U	U	U
South Shore	0	0	0	0	0	0	0	0	0	0
		1	0	0	0	0		0	0	0
North Share	0						0			
North Shore	0	0	0	0	0	0	0	0	0	0
Character Diffe 1 (0.00	0.00)									
Channel/Tailwater Differentials (0.80 -		0	0	0	0	0	0	0	0	0
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 -	0.00).									
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
- 10000										
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
Notui Shole		U	U	U	<del>U</del>	O .	O .	O .	<del>U</del>	U
Entrance Weir Depths (more than 0.2 to	oo low)									
SFE 1 (< <b>7.80</b> )	00 10w)	0	0	0	0	0	0	0	0	0
NFE 2 (< <b>7.80</b> )	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
NSE 1 (< <b>7.80</b> )	U	U	U	U	U	U	U	U	U	U
E.4	<u> </u>									
Entrance Weir Depths (0.11 - 0.2 too lo		0	0	0	0	0	0	0	0	0
SFE 1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
NFE 2 ( <b>7.80 - 7.89</b> )	0	0	0	0	0	0	0	0	0	0
NSE 1 ( <b>7.80 - 7.89</b> )	0	0	0	0	0	0	0	0	0	0
Entrance Weir Depths (0.01 - 0.1 too lo										
SFE 1 ( <b>7.90 - 7.99</b> )	0	0	0	0	0	0	0	0	0	0
NFE 2 ( <b>7.90 - 7.99</b> )	0	0	0	0	0	0	0	0	0	0
NSE 1 ( <b>7.90 - 7.99</b> )	0	0	0	0	0	0	0	0	0	0

INSPECTIONS						2021	_			
							<u>-</u> '			
			24-	29-						
DATES:	22-Nov	23-Nov	Nov	Nov	1-Dec	2-Dec	6-Dec	7-Dec	8-Dec	13-Dec
CHANNEL VIEW OCKEVES										
CHANNEL VELOCITIES	2.2	2.0	2.0	2.0	2.0	2.0	2.5	2.0	2.0	2.7
IN SOUTH FISHWAY:	3.2	2.9	2.8	2.9	2.9	2.9	2.5	2.9	2.8	2.7
ELEVATIONS:										
South Fish Ladder										
Forebay	439.1	438.8	439.2	438.8	438.7	438.6	438.3	439.1	438.6	439.2
Exit Pool	439.1	438.8	439.2	438.8	438.6	438.5	438.3	439.1	438.6	439.2
Makeup Diffuser	434.3	434.3	434.3	343.3	434.3	434.3	434.3	434.3	434.3	434.3
U S Picketed Leads	381.4	381.3	381.4	381.4	381.4	381.3	381.4	381.4	381.4	381.3
D S Picketed Leads	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.2
North Fish Ladder	301.2	501.2	201.2	501.2	501.2	201.2	201.2	201.2	201.2	201.2
Forebay	439.0	438.9	439.2	438.8	438.8	438.7	438.4	439.2	438.5	439.3
Exit Pool	439.0	438.9	439.1	438.8	438.8	438.7	438.4	439.2	438.5	439.3
Makeup Diffuser	434.2	434.2	434.2	434.2	434.2	434.3	434.2	434.2	434.2	434.2
U S Picketed Leads	434.2	434.2	434.3	434.3	434.2	434.3	434.2	434.2	434.3	434.2
D S Picketed Leads	434.2	434.2	434.2	434.2	434.2	434.3	434.2	434.2	434.2	434.2
Collection Channels	.52	2	.52	.52	.52					
South Pwrh SG4	340.5	340.4	341.1	340.6	341.1	340.9	341.7	341.0	341.0	340.6
North Pwrh SG2	339.9	340.2	340.6	340.0	340.5	340.3	341.4	340.6	340.3	340.2
North Shore SG30	340.4	340.4	340.7	339.9	339.8	341.0	341.8	340.8	340.4	340.6
Tailwater										
South Pwrh SG3	338.5	338.8	339.6	338.9	339.6	339.1	340.4	339.6	339.4	339.3
North Pwrh SG1	338.3	338.6	339.5	338.7	339.4	339.3	340.3	339.5	339.3	339.1
North Shore SG29	338.4	338.7	339.5	338.7	338.6	338.7	340.4	339.6	339.4	339.4
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	0.1	0.0	0.0	0.0	0.0
Ladder Weirs	1.3	1.3	1.3	-89.7	1.3	1.3	1.3	1.3	1.3	1.3
Counting Station	0.2	0.1	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.1
North Fish Ladder										
Ladder Exit	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ladder Weirs	1.2	1.2	1.2	1.2	1.2	1.3	1.2	1.2	1.2	1.2
Counting Station	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0
<b>Collection Channels</b>										
South Shore	2.0	1.6	1.5	1.7	1.5	1.8	1.3	1.4	1.6	1.3
North Powerhouse	1.6	1.6	1.1	1.3	1.1	1.0	1.1	1.1	1.0	1.1
North Shore	2.0	1.7	1.2	1.2	1.2	2.3	1.4	1.2	1.0	1.2
Weir Depths										
SFE 1	6.2	6.5	7.3	6.6	7.3	6.8	8.1	7.3	7.1	7.0
NFE 2	6.0	6.3	7.2	6.4	7.1	7.0	8.0	7.2	7.0	6.8
NSE 1	6.1	6.4	7.2	6.4	6.3	6.4	8.1	7.3	7.1	7.1
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	NO	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	NO	YES	YES	YES	YES
Weir Depths										
SFE 1	SILL	SILL	SILL	SILL	SILL	SILL	YES	SILL	SILL	SILL
NFE 2	SILL	SILL	SILL	SILL	SILL	SILL	YES	SILL	SILL	SILL
NSE 1	SILL	SILL	SILL	SILL	SILL	SILL	YES	SILL	SILL	SILL

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

	(Output =	0, 1, or								
CRITERIA POINTS: NO	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	1	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	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

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

NFE 2	1	1	1	1	1	1	0	1	1	1
NSE 1	1	1	1	1	1	1	0	1	1	1

South Ladder Differentials (mor									
Ladder Exit	Not applicable.								
Ladder Weirs	0 0	0	1	0	0	0	0	0	0
Counting Station	Not applicable.								
South Ladder Differentials (0.11	1 - 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	1 - 0.1 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	l - 0.1 too high)								
Ladder Exit	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	l - 0.2 <u>too high)</u>								
Ladder Exit	0 0		0	0	0	0	0	0	0
Ladder Weirs	0 0		0	0	0	0	0	0	0
Counting Station	0 0	0	0	0	0	0	0	0	0
<b>South Ladder Differentials (mor</b>	8 /								
Ladder Exit	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 (mo	re than 0.2 too low)								
Ladder Exit	Not applicable.								
Ladder Weirs	0 0	0	0	0	0	0	0	0	0
Counting Station	Not applicable.								
North Ladder Differentials (0.1)	1 - 0.2 too low)								
Ladder Exit	Not applicable.								
Ladder Weirs	0 0	0	0	0	0	0	0	0	0
Counting Station	Not applicable.								
North Ladder Differentials (0.0)									
Ladder Exit	Not applicable.								
Ladder Weirs	0 0	0	0	0	0	0	0	0	0
Counting Station	Not applicable.								
North Ladder Differentials (0.0)	1 - 0.1 <u>too high)</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 (0.1)									
Ladder Exit	0 0	0	0	0	0	0	0	0	0
Ladder Weirs	0 0		0	0	0	0	0	0	0
Counting Station	0 0	0	0	0	0	0	0	0	0
North Ladder Differentials (mo									
Ladder Exit	0 0		0	0	0	0	0	0	0
Ladder Weirs	0 0		0	0	0	0	0	0	0
	0 0	0	0	0	0	0	0	0	0
Counting Station	: (<0.80)								
Counting Station Channel/Tailwater Differentials		0	0	0	0	0	0	0	0
Counting Station Channel/Tailwater Differentials South Shore	0 0			0	0	0	0	0	0
Counting Station Channel/Tailwater Differentials		0	0						
Counting Station Channel/Tailwater Differentials South Shore	0 0	0	0 0	0	0	0	0	0	0
Counting Station Channel/Tailwater Differentials South Shore North Powerhouse	0 0 0	0			0	0	0	0	0
Counting Station Channel/Tailwater Differentials South Shore North Powerhouse	0 0 0 0 0 0	0			0	0	0	0	0
Counting Station Channel/Tailwater Differentials South Shore North Powerhouse North Shore	0 0 0 0 0 0	0 0			0	0	0	0	0
Counting Station Channel/Tailwater Differentials South Shore North Powerhouse North Shore Channel/Tailwater Differentials	0 0 0 0 0 0 0 0 6 (0.80 - 0.89)	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	0)									
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	1	0	0	0	0
Entrance Weir Depths (more than 0.2										
SFE 1 (< <b>7.80</b> )	0	0	0	0	0	0	0	0	0	0
NFE 2 (< <b>7.80</b> )	0	0	0	0	0	0	0	0	0	0
NSE 1 (< <b>7.80</b> )	0	0	0	0	0	0	0	0	0	0
- W. B. J. (0.44 0.5)										
Entrance Weir Depths (0.11 - 0.2 too l		0	0	0	0	0	0	0	0	0
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 ( <b>7.80 - 7.89</b> )	0	0	0	0	0	0	0	0	0	0
Edward W. D. d. (0.01, 0.1)	. \									
Entrance Weir Depths (0.01 - 0.1 too le		0	0	0	0	0	0	0	0	0
SFE 1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
NFE 2 ( <b>7.90 - 7.99</b> )	0	0	0	0	0	0	0	0	0	0
NSE 1 ( <b>7.90 - 7.99</b> )	0	U	U	U	0	0	0	0	0	0

APPENDIX 2 (CONTINUED). ICE HARBOI	2021	•						
DATES:	14-Dec	15-Dec	20- Dec	21- Dec	22-Dec	27-Dec	28-Dec	29-Dec
CHANNEL VELOCITIES IN SOUTH FISHWAY:	2.9	3.0	2.8	2.7	2.8	2.7	2.7	2.8
ELEVATIONS: South Fish Ladder			420	420				
Forebay	438.8	438.6	438. 7	438. 9	438.7	439.2	438.5	438.2
Exit Pool	438.8	438.6	438. 7 434.	438. 9 434.	438.7	4389.2	438.5	438.2
Makeup Diffuser	434.3	434.3	3 381.	3 381.	434.3	434.3	434.3	434.3
U S Picketed Leads	381.3	381.3	3 381.	381. 381.	381.4	381.4	381.4	381.4
D S Picketed Leads	381.2	381.2	2	2	381.2	381.2	381.2	381.2
North Fish Ladder Forebay	438.9	438.8	438. 8 438.	439. 0 439.	438.8	439.1	438.6	438.2
Exit Pool	438.9	438.8	8 434.	0 434.	438.8	439.1	438.6	438.2
Makeup Diffuser	434.2	434.2	2 434.	3 434.	434.3	434.3	434.3	434.2
U S Picketed Leads	434.2	434.2	2 434.	3 434.	434.3	434.3	434.3	434.2
D S Picketed Leads Collection Channels	434.2	434.2	2	3	434.3	434.3	434.3	434.2
South Pwrh SG4	341.3	340.4	341. 6	341.	342.8	340.5	340.5	341.7
North Pwrh SG2	341.2	339.9	341.	341.	342.5	340.2	340.3	341.5
North Shore SG30 Tailwater	341.4	340.3	341. 6	341.	342.6	340.6	340.6	341.5
South Pwrh SG3	340.1	338.7	340. 4	340. 2	341.7	339.1	339.1	340.5
North Pwrh SG1	340.0	338.6	340.	340. 1	341.4	339.0	339.0	340.4
North Shore SG29	340.1	338.6	340. 2	340. 1	341.5	339.0	339.1	340.3
Entrance Weirs			332.	332.				
SFE 1	332.3	332.3	3 332.	3 332.	332.3	332.3	332.3	332.3
NFE 2	332.3	332.3	3 332.	3 332.	332.3	332.3	332.3	332.3
NSE 1 DIFFERENTIALS/DEPTHS:	332.5	332.3	3	3	332.3	332.3	332.3	332.3
South Fish Ladder Ladder Exit	0.0	0.0	0.0	0.0	0.0	-3950.0	0.0	0.0
Ladder Weirs	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Counting Station	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2
North Fish Ladder	0.1	···	J.1	J.2	J.2	V.2	J.2	~. <b>-</b>
Ladder Exit	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ladder Weirs	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.2
Counting Station	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Collection Channels</b>								
South Shore	1.2	1.7	1.2	1.1	1.1	1.4	1.4	1.2
North Powerhouse	1.2	1.3	1.1	1.0	1.1	1.2	1.3	1.1

North Shore	1.3	1.7	1.4	1.1	1.1	1.6	1.5	1.2
Weir Depths								
SFE 1	7.8	6.4	8.1	7.9	9.4	6.8	6.8	8.2
NFE 2	7.7	6.3	8.0	7.8	9.1	6.7	6.7	8.1
NSE 1	7.6	6.3	7.9	7.8	9.2	6.7	6.8	8.0
CRITERIA POINTS:								
Channel Velocities	YES	YES	YES	YES	YES	YES	YES	YES
Differentials								
South Fish Ladder								
Ladder Exit	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	YES	YES	YES	YES	YES	YES	YES	YES
Counting Station	YES	YES	YES	YES	YES	YES	YES	YES
North Fish Ladder								
Ladder Exit	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	YES	YES	YES	YES	YES	YES	YES	YES
Counting Station	YES	YES	YES	YES	YES	YES	YES	YES
Collection Channels								
South Shore	YES	YES	YES	YES	YES	YES	YES	YES
North Powerhouse	YES	YES	YES	YES	YES	YES	YES	YES
North Shore	YES	YES	YES	YES	YES	YES	YES	YES
Weir Depths								
SFE 1	SILL	SILL	YES	SILL	YES	SILL	SILL	YES
NFE 2	SILL	SILL	YES	SILL	YES	SILL	SILL	YES
NSE 1	NO	SILL	SILL	SILL	YES	SILL	SILL	YES

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

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

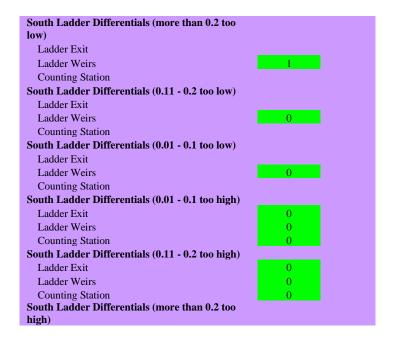
Collection Channels								
South Shore	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0
Weir Depths								
SFE 1	0	0	0	0	0	0	0	0
NFE 2	0	0	0	0	0	0	0	0
NSE 1	1	0	0	0	0	0	0	0
	(Output =	= 0, 1, or						
CRITERIA POINTS: SILL	NA)							
Weir Depths								
SFE 1	1	1	0	1	0	1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

C4- I - JJ D:ff4-1- ( 41 0.2.4								
South Ladder Differentials (more than 0.2 too low)								
Ladder Exit	Not applica	ahle						
Ladder Weirs	0	0	0	0	0	0	0	0
Counting Station	Not application		<u> </u>	U	0	<u> </u>	U	U
South Ladder Differentials (0.11 - 0.2 too low)	rvot applie	aoic.						
Ladder Exit	Not applica	able.						
Ladder Weirs	0	0	0	0	0	0	0	0
Counting Station	Not applica	able.						
South Ladder Differentials (0.01 - 0.1 too low)								
Ladder Exit	Not applica	able.						
Ladder Weirs	0	0	0	0	0	0	0	0
Counting Station	Not applica	able.						
South Ladder Differentials (0.01 - 0.1 too high)								
Ladder Exit	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0
Counting Station	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
Ladder Weirs	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0
South Ladder Differentials (more than 0.2 too								
high)		0	0	0	0	0	0	0
Ladder Exit	0	0	0	0	0	0	0	0
Ladder Weirs	0 0	0	0	0	0	0	0	0
Counting Station North Ladder Differentials (more than 0.2 too	U	U	U	U	U	U	U	U
low)								
Ladder Exit	Not applica	able.						
Ladder Weirs	0	0	0	0	0	0	0	0
Counting Station	Not applica	able.						
North Ladder Differentials (0.11 - 0.2 too low)								
Ladder Exit	Not applica	able.						
Ladder Weirs	0	0	0	0	0	0	0	0
Counting Station	Not applica	able.						
North Ladder Differentials (0.01 - 0.1 too low)								
Ladder Exit	Not application	able.						
Ladder Weirs	0	0	0	0	0	0	0	0
Counting Station	Not application	able.						
North Ladder Differentials (0.01 - 0.1 too high)								
Ladder Exit	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0
Counting Station	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
Ladder Weirs	0	0	0	0	0	0	0	0

Counting Station	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
Ladder Weirs	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (<0.80)								
South Shore	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (0.80 - 0.89)	0	^	0					
South Shore	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0
Channel/Toilrecton Differentials (0.00 0.00)								
Channel/Tailwater Differentials (0.90 - 0.99):	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
North Shore	U	U	U	U	U	0	U	U
Channel/Tailwater Differentials (2.01 - 2.10)								
South Shore	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0
Notui Shole	U	U	U	U	U	U	U	U
Channel/Tailwater Differentials (2.11 - 2.20)								
South Shore	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0
		<u> </u>		<u> </u>				
Channel/Tailwater Differentials (>2.20)								
South Shore	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0
Entrance Weir Depths (more than 0.2 too low)								
SFE 1 (< <b>7.80</b> )	0	0	0	0	0	0	0	0
NFE 2 (< <b>7.80</b> )	0	0	0	0	0	0	0	0
NSE 1 ( <b>&lt;7.80</b> )	1	0	0	0	0	0	0	0
Entrance Weir Depths (0.11 - 0.2 too low)								
SFE 1 ( <b>7.80 - 7.89</b> )	0	0	0	0	0	0	0	0
NFE 2 ( <b>7.80 - 7.89</b> )	0	0	0	0	0	0	0	0
NSE 1 ( <b>7.80 - 7.89</b> )	0	0	0	0	0	0	0	0
Entrance Weir Depths (0.01 - 0.1 too low)								
SFE 1 ( <b>7.90 - 7.99</b> )	0	0	0	0	0	0	0	0
NFE 2 ( <b>7.90 - 7.99</b> )	0	0	0	0	0	0	0	0
NSE 1 ( <b>7.90 - 7.99</b> )	0	0	0	0	0	0	0	0

# of YES 124	% YES 96.9%	<u>Total No.</u> of <u>Inspections</u> 128
128	100.0%	128
127	99.2%	128
127	99.2%	128

128	100.0%	128
127	99.2%	128
128	100.0%	128
106	82.8%	128
123	96.1%	128
109	85.2%	128
48	37.5%	128
48	37.5%	128
33	25.8%	128
" CNO	N/ N/O	
# of NO	<u>% NO</u>	
4	3.1%	
0	0.0%	
1	0.8%	
1	0.8%	
0	0.0%	
1	0.8%	
0	0.0%	
22	17.2%	
5	3.9%	
19	14.8%	
8	6.3%	
5	3.9%	
2	1.6%	
	% SILL	
# of SILL		
72	56.3%	
75	58.6%	
93	72.7%	
	, v	



Ladder Weirs Counting Station orth Ladder Differentials (more than 0.2 too w) Ladder Exit Ladder Weirs Counting Station orth Ladder Differentials (0.11 - 0.2 too low) Ladder Exit Ladder Weirs Counting Station orth Ladder Differentials (0.01 - 0.1 too low) Ladder Exit Ladder Weirs Counting Station orth Ladder Differentials (0.01 - 0.1 too high) Ladder Exit Ladder Weirs Counting Station orth Ladder Differentials (0.11 - 0.2 too high) Ladder Exit Ladder Weirs Counting Station orth Ladder Differentials (0.11 - 0.2 too high) Ladder Exit Ladder Weirs Counting Station orth Ladder Differentials (more than 0.2 too gh) Ladder Exit Ladder Weirs Counting Station orth Ladder Differentials (more than 0.2 too gh) Ladder Exit Ladder Weirs Counting Station orth Ladder Differentials (<0.80) South Shore North Powerhouse North Shore  North Powerhouse North Shore  1  North Powerhouse North Shore 0  North Powerhouse North Shore 1  North Powerhouse North Shore 0  North Powerhouse North Shore 0  North Shore 1  North Powerhouse North Shore 0  North Shore 0  North Shore 0  North Powerhouse North Powerhouse North Shore 0  North Shore 0  North Shore	Ladder Exit	0
Counting Station  orth Ladder Differentials (more than 0.2 too w)  Ladder Exit  Ladder Weirs  Counting Station  orth Ladder Differentials (0.11 - 0.2 too low)  Ladder Exit  Ladder Exit  Ladder Weirs  Counting Station  orth Ladder Differentials (0.01 - 0.1 too low)  Ladder Exit  Ladder Weirs  Counting Station  orth Ladder Differentials (0.01 - 0.1 too high)  Ladder Exit  Ladder Weirs  Counting Station  orth Ladder Differentials (0.11 - 0.2 too high)  Ladder Exit  Ladder Weirs  Counting Station  orth Ladder Differentials (more than 0.2 too high)  Ladder Exit  Ladder Weirs  Counting Station  orth Ladder Differentials (more than 0.2 too gh)  Ladder Exit  Ladder Weirs  Counting Station  orth Ladder Differentials (0.80 - 0.80)  South Shore  North Powerhouse  North Powerhouse  North Shore  hannel/Tailwater Differentials (0.80 - 0.89)  South Shore  North Powerhouse  North Shore  hannel/Tailwater Differentials (0.90 - 0.99):  South Shore  North Powerhouse  North Shore  hannel/Tailwater Differentials (2.01 - 2.10)  South Shore  North Powerhouse  North Shore  hannel/Tailwater Differentials (2.11 - 2.20)  South Shore  North Powerhouse  North Shore  hannel/Tailwater Differentials (>2.20 - 3.0)  South Shore  North Powerhouse  North Shore  hannel/Tailwater Differentials (>2.20)  South Shore  North Powerhouse  North Shore  hannel/Tailwater Differentials (>2.20)  South Shore  North Powerhouse  North Shore  hannel/Tailwater Differentials (>2.20)  South Shore  North Powerhouse  North Shore  hannel/Tailwater Differentials (>2.20)  South Shore  North Powerhouse  North Shore  hannel/Tailwater Differentials (>2.20)  South Shore  North Powerhouse  North Shore  North Powerhouse  North Shore  Annel Called Exit  And Call		
orth Ladder Differentials (more than 0.2 too w)  Ladder Exit  Ladder Weirs  Counting Station  orth Ladder Differentials (0.11 - 0.2 too low)  Ladder Exit  Ladder Weirs  Counting Station  orth Ladder Differentials (0.01 - 0.1 too low)  Ladder Exit  Ladder Weirs  Counting Station  orth Ladder Differentials (0.01 - 0.1 too high)  Ladder Exit  Ladder Weirs  Counting Station  orth Ladder Differentials (0.11 - 0.2 too high)  Ladder Exit  Ladder Weirs  Counting Station  orth Ladder Differentials (0.11 - 0.2 too high)  Ladder Exit  Ladder Weirs  Counting Station  orth Ladder Differentials (more than 0.2 too gh)  Ladder Exit  Ladder Weirs  Counting Station  on orth Ladder Differentials (0.80 - 0.80)  South Shore  North Powerhouse  North Powerhouse  North Shore  North Shore  North Powerhouse  North Shore  Nort		
March   Counting Station   Cou	North Ladder Differentials (more than 0.2 too	
Ladder Weirs	low)	
Counting Station orth Ladder Differentials (0.11 - 0.2 too low) Ladder Exit Ladder Weirs Counting Station orth Ladder Differentials (0.01 - 0.1 too low) Ladder Exit Ladder Weirs Counting Station orth Ladder Differentials (0.01 - 0.1 too high) Ladder Exit Ladder Weirs Counting Station orth Ladder Differentials (0.11 - 0.2 too high) Ladder Exit Ladder Weirs Counting Station orth Ladder Differentials (0.11 - 0.2 too high) Ladder Exit Ladder Exit Ladder Exit Ladder Weirs Counting Station orth Ladder Differentials (more than 0.2 too gh) Ladder Exit Ladder Weirs Counting Station orth Ladder Differentials (0.80) South Shore North Powerhouse North Powerhouse North Shore North	Ladder Exit	
orth Ladder Differentials (0.11 - 0.2 too low) Ladder Exit Ladder Weirs Counting Station orth Ladder Differentials (0.01 - 0.1 too low) Ladder Exit Ladder Weirs Counting Station orth Ladder Differentials (0.01 - 0.1 too high) Ladder Exit Ladder Weirs Counting Station orth Ladder Differentials (0.11 - 0.2 too high) Ladder Exit Ladder Weirs Counting Station orth Ladder Differentials (0.11 - 0.2 too high) Ladder Exit Ladder Weirs Counting Station orth Ladder Differentials (more than 0.2 too gh) Ladder Exit Ladder Differentials (more than 0.2 too gh) Ladder Exit Ladder Weirs Counting Station orth Ladder Differentials (<0.80) South Shore North Powerhouse North Powerhouse North Shore North Shore North Powerhouse North Shore North Shore North Shore North Shore North Powerhouse North Shore North	Ladder Weirs	0
Ladder Exit Ladder Weirs Counting Station orth Ladder Differentials (0.01 - 0.1 too low) Ladder Exit Ladder Weirs Counting Station orth Ladder Differentials (0.01 - 0.1 too high) Ladder Exit Ladder Weirs Counting Station Orth Ladder Differentials (0.01 - 0.1 too high) Ladder Exit Ladder Weirs Counting Station Orth Ladder Differentials (0.11 - 0.2 too high) Ladder Exit Ladder Exit Ladder Exit Ladder Weirs Counting Station Orth Ladder Differentials (more than 0.2 too gh) Ladder Exit Ladder Weirs Counting Station Orth Ladder Differentials (more than 0.2 too gh) Ladder Exit Ladder Weirs Counting Station Onth Ladder Differentials (0.80) South Shore North Powerhouse North Shore North Shore North Shore North Powerhouse North Shore Onth Inannel/Tailwater Differentials (0.80 - 0.89) South Shore North Powerhouse North Shore Onth Shore North Powerhouse North Shore Onth Inannel/Tailwater Differentials (2.01 - 2.10) South Shore North Powerhouse North Shore Onth Shore	Counting Station	
Ladder Weirs	North Ladder Differentials (0.11 - 0.2 too low)	
Counting Station  orth Ladder Differentials (0.01 - 0.1 too low)  Ladder Weirs  Counting Station  orth Ladder Differentials (0.01 - 0.1 too high)  Ladder Exit  Ladder Weirs  Counting Station  orth Ladder Differentials (0.11 - 0.2 too high)  Ladder Exit  Ladder Differentials (0.11 - 0.2 too high)  Ladder Exit  Ladder Weirs  Counting Station  orth Ladder Differentials (more than 0.2 too gh)  Ladder Differentials (more than 0.2 too gh)  Ladder Exit  Ladder Exit  Ladder Exit  Ladder Exit  Ladder Weirs  Counting Station  orth Ladder Differentials (0.80)  South Shore  North Powerhouse  North Powerhouse  North Powerhouse  North Shore  North Powerhouse  North Shore  North Shore	Ladder Exit	
Contact   Cont	Ladder Weirs	1
Ladder Exit Ladder Weirs Counting Station orth Ladder Differentials (0.01 - 0.1 too high) Ladder Exit Ladder Weirs Counting Station Orth Ladder Differentials (0.11 - 0.2 too high) Ladder Exit Ladder Exit Ladder Weirs Counting Station Orth Ladder Differentials (0.11 - 0.2 too high) Ladder Exit Ladder Weirs Counting Station Orth Ladder Differentials (more than 0.2 too gh) Ladder Exit Ladder Weirs Counting Station Orth Ladder Differentials (0.80 - 0.80) South Shore North Powerhouse North Powerhouse North Shore North Shore North Shore North Powerhouse North Shore North Powerhouse North Shore North Powerhouse North Shore North Shore North Powerhouse North Shore No	Counting Station	
Ladder Weirs	North Ladder Differentials (0.01 - 0.1 too low)	
Counting Station orth Ladder Differentials (0.01 - 0.1 too high) Ladder Exit Ladder Weirs Counting Station orth Ladder Differentials (0.11 - 0.2 too high) Ladder Exit Ladder Weirs Counting Station orth Ladder Differentials (0.11 - 0.2 too high) Ladder Exit Ladder Weirs Counting Station orth Ladder Differentials (more than 0.2 too gh) Ladder Exit Ladder Weirs Counting Station thannel/Tailwater Differentials (<0.80) South Shore North Powerhouse North Powerhouse North Shore North Powerhouse North Shore North Powerhouse North Shore North Powerhouse North Shore North Shore North Powerhouse North Shore No	Ladder Exit	
Corth Ladder Differentials (0.01 - 0.1 too high)   Ladder Exit   Ladder Weirs   O   O   O   O   O   O   O   O   O	Ladder Weirs	0
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North Shore 6  ntrance Weir Depths (more than 0.2 too low)  SFE 1 (<7.80) 2  NFE 2 (<7.80) 4		
ntrance Weir Depths (more than 0.2 too low)  SFE 1 (<7.80)  NFE 2 (<7.80)  4		
SFE 1 (< <b>7.80</b> ) NFE 2 (< <b>7.80</b> )	North Shore	6
SFE 1 (< <b>7.80</b> ) NFE 2 (< <b>7.80</b> )		
NFE 2 (< <b>7.80</b> )	and the control of th	
NSE I (<7.80)		
	NSE I (<7.80)	2

Entrance Weir Depths (0.11 - 0.2 too low)	
SFE 1 ( <b>7.80 - 7.89</b> )	0
NFE 2 ( <b>7.80 - 7.89</b> )	0
NSE 1 ( <b>7.80 - 7.89</b> )	0
Entrance Weir Depths (0.01 - 0.1 too low)	
SFE 1 ( <b>7.90 - 7.99</b> )	6
NFE 2 ( <b>7.90 - 7.99</b> )	1
NSE 1 ( <b>7.90 - 7.99</b> )	0

1	2	3	4	5	6	7	8	9
ICE HADDOD	_			Not Enough	<u> </u>	,	Too Much	
ICE HARBOR			No./	Depth	No./	No./	Depth	No./
Criteria and	No. in	% In	%	No./%	%	%	No./%	%
Locations	Criteria/	Criter ia/	Withi n	Within	>0.2	Withi n	Within	>0.2
Locations	No. on	ia/	0.01-	***************************************	<b>~0.2</b>	0.01-	**1411111	<b>~0.2</b>
	Sill/	% On	0.1	0.11-0.2	Foot	0.1	0.11-0.2	Foot
	No. of	Sill	Foot	Foot		Foot	Foot	
	Inspecti ons							
Channel	- OIIS							
Velocities	124	96.9	***	***	***	***	***	***
	***	***	***	***	***	***	***	***
D:00 (1.1	128							
Differentials South Fish Ladder								
Ladder Exit	128	100.0	***	***	***	0	0	0
	***	***	***	***	***	0.0	0.0	0.0
	128							_
Ladder Weirs	127 ***	99.2 ***	0	0	1	0	0	0
	128	***	0.0	0.0	0.8	0.0	0.0	0.0
Counting	120							
Station	127	99.2	***	***	***	0	0	1
	***	***	***	***	***	0.0	0.0	0.8
North Fish	128							
Ladder								
Ladder Exit	128	100.0	***	***	***	0	0	0
	***	***	***	***	***	0.0	0.0	0.0
T 11 TY	128	00.2	0	4	0	0		0
Ladder Weirs	127 ***	99.2 ***	0 0.0	1 0.8	0 0.0	0 0.0	0 0.0	0 0.0
	128		0.0	0.8	0.0	0.0	0.0	0.0
Counting								
Station	distrib	0.0 ***	***	***	***	0	0	0
	*** 128	***	***	***	***	0.0	0.0	0.0
Collection	120							
Channels								
South Shore	106	82.8	0	0	0	1	5	16
	***	***	0.0	0.0	0.0	0.8	3.9	12.5
North	128							
Powerhouse	123	96.1	0	0	2	0	0	3
	***	***	0.0	0.0	1.6	0.0	0.0	2.3
N	128	05.2	2	0	7	0	2	
North Shore	109 ***	85.2 ***	3 2.3	0 0.0	5.5	0 0.0	3 2.3	6 4.7
	128		2.5	0.0	5.5	0.0	2.3	,
Weir Depths								
SFE 1	48	37.5	6	1	0	***	***	***
	72	56.3	4.7	0.8	0.0	***	***	***
NFE 2	128 48	37.5	0	0	0	***	***	***
INFE Z	75	58.6	0.0	0.0	0.0	***	***	***
	128	23.0	0.0	0.0	0.0			
NSE 1	33	25.8	2	4	2	***	***	***
	93	72.7	1.6	3.1	1.6	***	***	***
	128							