APPENDIX 1. ICE HARBOR ADULT FISHWAY INSPECTIONS   2020

DATES:	3-Mar	4-Mar	5-Mar	10-Mar	11-Mar	12-Mar	17-Mar	18-Mar	19-Mar	24-Mar
CHANNEL VELOCITIES										
IN SOUTH FISHWAY:	2.0	2.3	2.2	2.1	2.3	2.1	2.1	2.0	2.1	---
ELEVATIONS:										
South Fish Ladder										
Forebay	439.1	439.0	438.2	438.3	438.8	438.7	438.4	438.7	439.3	438.6
Exit Pool	439.1	438.9	438.2	438.4	438.7	438.6	438.4	438.7	439.3	438.7
Makeup Diffuser	434.3	434.2	434.3	434.3	434.2	434.2	434.2	434.2	434.2	434.3
U S Picketed Leads	381.3	381.3	381.3	381.3	381.3	381.3	381.3	381.3	381.3	381.4
D S Picketed Leads	381.3	381.2	381.3	381.3	381.2	381.2	381.2	381.2	381.2	381.3
North Fish Ladder										
Forebay	439.2	439.0	438.3	438.3	438.7	438.7	438.4	438.7	439.2	438.6
Exit Pool	439.3	439.0	438.4	438.3	438.7	438.7	438.4	438.7	439.2	438.7
Makeup Diffuser	434.2	434.1	434.2	434.1	434.2	434.1	434.1	434.1	434.2	434.1
U S Picketed Leads	434.2	434.1	434.2	434.1	434.2	434.1	434.1	434.1	434.2	434.1
D S Picketed Leads	434.2	434.1	434.2	434.1	434.2	434.1	434.1	434.1	434.2	434.1
Collection Channels										
South Pwrh SG4	342.4	341.3	341.7	342.4	341.3	341.6	342.2	341.6	341.6	343.7
North Pwrh SG2	341.5	341.4	341.3	342.0	340.7	340.9	341.8	341.4	341.8	343.2
North Shore SG30	342.1	341.9	342.3	342.3	341.5	341.8	342.0	341.5	341.8	343.0
Tailwater										
South Pwrh SG3	340.7	339.6	340.0	340.8	339.6	339.9	340.4	339.8	340.0	341.9
North Pwrh SG1	340.3	339.5	340.1	340.7	339.6	339.8	340.4	339.8	339.9	342.1
North Shore SG29	340.8	339.9	340.3	340.9	339.8	339.9	340.4	339.7	340.1	342.0
Entrance Weirs										
SFE 1	332.8	332.3	332.3	332.8	332.3	332.3	332.3	332.3	332.3	333.0
NFE 2	332.3	332.3	333.0	332.8	332.3	332.3	332.3	332.3	332.3	333.7
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	-0.1	0.1	0.1	0.0	0.0	0.0	-0.1
Ladder Weirs	1.3	1.2	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.3
Counting Station	0.0	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1
North Fish Ladder										
Ladder Exit	-0.1	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
Ladder Weirs	1.2	1.1	1.2	1.1	1.2	1.1	1.1	1.1	1.2	1.1
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	1.7	1.7	1.6	1.7	1.7	1.8	1.8	1.6	1.8
North Powerhouse	1.2	1.9	1.2	1.3	1.1	1.1	1.4	1.6	1.9	1.1
North Shore	1.3	2.0	2.0	1.4	1.7	1.9	1.6	1.8	1.7	1.0
Weir Depths										
SFE 1	7.9	7.3	7.7	8.0	7.3	7.6	8.1	7.5	7.7	8.9
NFE 2	8.0	7.2	7.1	7.9	7.3	7.5	8.1	7.5	7.6	8.4
NSE 1	8.5	7.6	8.0	8.6	7.5	7.6	8.1	7.4	7.8	9.7
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
Ladder Weirs	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Counting Station	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

	1	2	3	4	5	6	7	8	9	10
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	NO	SILL	SILL	YES	SILL	SILL	YES	SILL	SILL	YES
NFE 2	YES	SILL	NO	NO	SILL	SILL	YES	SILL	SILL	YES
NSE 1	YES	SILL	YES	YES	SILL	SILL	YES	SILL	SILL	YES

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

CRITERIA POINTS: NO	(Output = 0, 1, or NA)									
Channel Velocities	0	0	0	0	0	0	0	0	0	1
Differentials										
South Fish Ladder										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Fish Ladder										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
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	1	0	0	0	0	0	0	0	0	0
NFE 2	0	0	1	1	0	0	0	0	0	0
NSE 1	0	0	0	0	0	0	0	0	0	0

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

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

OUT OF CRITERIA SITUATIONS BY INCREMENTS - THESE SHOULD MATCH THE "NOs" ABOVE.

South Ladder Differentials (more 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.									

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	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 applicable.									
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicable.									

North Ladder Differentials (0.11 - 0.2 too low)

Ladder Exit	Not applicable.									
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicable.									

North 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.									

North Ladder Differentials (0.01 - 0.1 too high)

Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0

North Ladder Differentials (0.11 - 0.2 too high)

Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0

North Ladder Differentials (more than 0.2 too high)

Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0

Channel/Tailwater Differentials (<0.80)

South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0

Channel/Tailwater Differentials (0.80 - 0.89)

South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0

Channel/Tailwater Differentials (0.90 - 0.99):

South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0

Channel/Tailwater Differentials (2.01 - 2.10)

South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0

Channel/Tailwater Differentials (2.11 - 2.20)

South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0

Channel/Tailwater Differentials (>2.20)

South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0

Entrance Weir Depths (more than 0.2 too low)

SFE 1 (<7.80)	0	0	0	0	0	0	0	0	0	0
NFE 2 (<7.80)	0	0	1	0	0	0	0	0	0	0
NSE 1 (<7.80)	0	0	0	0	0	0	0	0	0	0

Entrance Weir Depths (0.11 - 0.2 too low)

SFE 1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
NFE 2 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
NSE 1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0

Entrance Weir Depths (0.01 - 0.1 too low)

SFE 1 (7.90 - 7.99)	1	0	0	0	0	0	0	0	0	0
NFE 2 (7.90 - 7.99)	0	0	0	1	0	0	0	0	0	0
NSE 1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0

DATES:	25-Mar	26-Mar	31-Mar	1-Apr	2-Apr	6-Apr	7-Apr	8-Apr	13-Apr	14-Apr
CHANNEL VELOCITIES										
IN SOUTH FISHWAY:	2.2	2.0	2.0	2.0	1.9	2.7	1.7	2.2	2.1	1.8
ELEVATIONS:										
South Fish Ladder										
Forebay	438.6	439.2	438.2	438.5	438.0	438.0	438.2	438.2	438.3	438.2
Exit Pool	438.7	439.2	438.2	438.5	438.0	438.0	438.2	438.2	438.3	438.2
Makeup Diffuser	434.3	434.2	434.2	434.2	434.2	434.2	434.2	434.3	434.2	434.2
U S Picketed Leads	381.4	381.4	381.4	381.4	381.4	381.4	381.4	381.4	381.4	381.4
D S Picketed Leads	381.3	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.2
North Fish Ladder										
Forebay	438.8	439.2	438.2	438.5	438.0	438.0	438.2	438.3	438.3	438.2
Exit Pool	438.8	439.2	438.2	438.5	438.0	438.0	438.3	438.4	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	342.6	343.6	343.4	343.4	343.2	342.0	342.4	342.2	343.8	343.2
North Pwrh SG2	342.3	343.4	343.2	342.9	342.9	341.5	342.2	341.9	343.3	343.4
North Shore SG30	342.3	343.2	342.2	342.9	342.6	341.0	342.1	341.3	343.1	343.1
Tailwater										
South Pwrh SG3	341.0	342.0	342.1	341.7	341.6	340.1	341.0	340.6	342.2	342.0
North Pwrh SG1	341.1	341.7	341.2	341.4	341.4	340.1	341.2	340.6	342.0	341.8
North Shore SG29	341.2	341.8	341.8	341.6	341.4	338.8	340.5	339.5	341.4	341.3
Entrance Weirs										
SFE 1	332.5	332.7	333.0	332.3	332.3	332.3	332.3	332.3	332.7	332.9
NFE 2	332.9	332.8	332.3	332.8	332.4	332.4	332.4	332.3	333.0	332.6
NSE 1	332.3	332.7	333.8	332.3	332.3	332.3	332.3	332.3	332.3	332.2
DIFFERENTIALS/DEPTHS:										
South Fish Ladder										
Ladder Exit	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ladder Weirs	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.2	1.2
Counting Station	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
North Fish Ladder										
Ladder Exit	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1	0.0	0.0
Ladder Weirs	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Counting Station	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Collection Channels										
South Shore	1.6	1.6	1.3	1.7	1.6	1.9	1.4	1.6	1.6	1.2
North Powerhouse	1.2	1.7	2.0	1.5	1.5	1.4	1.0	1.3	1.3	1.6
North Shore	1.1	1.4	0.4	1.3	1.2	2.2	1.6	1.8	1.7	1.8
Weir Depths										
SFE 1	8.5	9.3	9.1	9.4	9.3	7.8	8.7	8.3	9.5	9.1
NFE 2	8.2	8.9	8.9	8.6	9.0	7.7	8.8	8.3	9.0	9.2
NSE 1	8.9	9.1	8.0	9.3	9.1	6.5	8.2	7.2	9.1	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	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

	1	2	3	4	5	6	7	8	9	10
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	NO	YES	YES	NO	YES	YES	YES	YES
Weir Depths										
SFE 1	YES	YES	YES	YES	YES	SILL	YES	YES	YES	YES
NFE 2	YES	YES	YES	YES	YES	NO	YES	YES	YES	YES
NSE 1	YES	YES	YES	YES	YES	SILL	YES	SILL	YES	YES

	(Output = 0, 1, or NA)									
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	1	1	1	1	1	1	1
North Powerhouse	1	1	1	1	1	1	1	1	1	1
North Shore	1	1	0	1	1	0	1	1	1	1
Weir Depths										
SFE 1	1	1	1	1	1	0	1	1	1	1
NFE 2	1	1	1	1	1	0	1	1	1	1
NSE 1	1	1	1	1	1	0	1	0	1	1

	(Output = 0, 1, or NA)									
CRITERIA POINTS: NO										
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	1	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	1	0	0	0	0
NSE 1	0	0	0	0	0	0	0	0	0	0

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

South Ladder Differentials (more 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.									

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	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 applicable.									
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicable.									

North Ladder Differentials (0.11 - 0.2 too low)

Ladder Exit	Not applicable.									
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicable.									

North 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.									

North Ladder Differentials (0.01 - 0.1 too high)

Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0

North Ladder Differentials (0.11 - 0.2 too high)

Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0

North Ladder Differentials (more than 0.2 too high)

Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0

Channel/Tailwater Differentials (<0.80)

South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	1	0	0	0	0	0	0	0

Channel/Tailwater Differentials (0.80 - 0.89)

South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0

Channel/Tailwater Differentials (0.90 - 0.99):

South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0

Channel/Tailwater Differentials (2.01 - 2.10)

South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0

Channel/Tailwater Differentials (2.11 - 2.20)

South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	1	0	0	0	0

Channel/Tailwater Differentials (>2.20)

South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0

Entrance Weir Depths (more than 0.2 too low)

SFE 1 (<7.80)	0	0	0	0	0	0	0	0	0	0
NFE 2 (<7.80)	0	0	0	0	0	1	0	0	0	0
NSE 1 (<7.80)	0	0	0	0	0	0	0	0	0	0

Entrance Weir Depths (0.11 - 0.2 too low)

SFE 1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
NFE 2 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
NSE 1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0

Entrance Weir Depths (0.01 - 0.1 too low)

SFE 1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
NFE 2 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
NSE 1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0

DATES:	15-Apr	20-Apr	21-Apr	22-Apr	27-Apr	28-Apr	29-Apr	4-May	5-May	6-May
CHANNEL VELOCITIES										
IN SOUTH FISHWAY:	1.9	2.0	1.8	2.1	1.6	1.5	1.8	1.8	1.8	1.3
ELEVATIONS:										
South Fish Ladder										
Forebay	438.2	437.9	437.7	437.7	437.8	438.2	438.1	437.8	438.2	438.0
Exit Pool	438.2	437.9	437.7	437.8	437.8	438.1	438.1	437.8	438.1	438.0
Makeup Diffuser	434.2	434.2	434.3	434.2	434.2	434.2	434.2	434.3	434.2	434.2
U S Picketed Leads	381.4	381.4	381.4	381.4	381.4	381.4	381.4	381.4	381.4	381.4
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	438.2	437.9	437.6	437.7	437.8	438.2	438.0	438.0	438.1	438.0
Exit Pool	438.2	437.9	437.6	437.7	437.9	438.2	438.0	438.0	438.2	438.0
Makeup Diffuser	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.1	434.2	434.2
U S Picketed Leads	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.1	434.2	434.2
D S Picketed Leads	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.1	434.2	434.2
Collection Channels										
South Pwrh SG4	343.3	343.0	343.3	343.7	345.4	345.8	346.6	348.6	346.6	346.7
North Pwrh SG2	342.6	342.7	342.8	343.3	345.0	345.4	346.0	348.6	346.2	346.5
North Shore SG30	341.3	341.9	341.4	341.2	344.5	343.0	345.2	346.5	344.7	345.5
Tailwater										
South Pwrh SG3	341.6	341.4	341.7	342.0	343.7	344.1	344.8	347.5	344.8	345.2
North Pwrh SG1	341.6	341.5	341.5	342.0	343.4	344.3	344.6	347.2	344.7	344.9
North Shore SG29	339.9	340.4	339.8	339.8	342.8	341.6	343.3	344.9	343.5	344.5
Entrance Weirs										
SFE 1	332.6	332.3	332.7	333.5	333.8	334.0	334.6	336.8	334.3	334.8
NFE 2	333.7	333.2	333.3	333.8	335.5	336.2	336.2	339.1	336.4	337.2
NSE 1	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.2	332.2	332.3
DIFFERENTIALS/DEPTHS:										
South Fish Ladder										
Ladder Exit	0.0	0.0	0.0	-0.1	0.0	0.1	0.0	0.0	0.1	0.0
Ladder Weirs	1.2	1.2	1.3	1.2	1.2	1.2	1.2	1.3	1.2	1.2
Counting Station	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
North Fish Ladder										
Ladder Exit	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	-0.1	0.0
Ladder Weirs	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	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	1.6	1.6	1.7	1.7	1.7	1.8	1.1	1.8	1.5
North Powerhouse	1.0	1.2	1.3	1.3	1.6	1.1	1.4	1.4	1.5	1.6
North Shore	1.4	1.5	1.6	1.4	1.7	1.4	1.9	1.6	1.2	1.0
Weir Depths										
SFE 1	9.0	9.1	9.0	8.5	9.9	10.1	10.2	10.7	10.5	10.4
NFE 2	7.9	8.3	8.2	8.2	7.9	8.1	8.4	8.1	8.3	7.7
NSE 1	7.6	8.1	7.5	7.5	10.5	9.3	11.0	12.7	11.3	12.2
CRITERIA POINTS:										
Channel Velocities	YES	YES	YES	YES	YES	NO	YES	YES	YES	NO
Differentials										
South Fish Ladder										
Ladder Exit	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Counting Station	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
North Fish Ladder										
Ladder Exit	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

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

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

	(Output = 0, 1, or NA)									
CRITERIA POINTS: NO										
Channel Velocities	0	0	0	0	0	1	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	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	1	0	0	0	1	0	0	0	0	1
NSE 1	0	0	0	0	0	0	0	0	0	0

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

South Ladder Differentials (more 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.									

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	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 applicable.									
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicable.									

North Ladder Differentials (0.11 - 0.2 too low)

Ladder Exit	Not applicable.									
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicable.									

North 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.									

North Ladder Differentials (0.01 - 0.1 too high)

Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0

North Ladder Differentials (0.11 - 0.2 too high)

Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0

North Ladder Differentials (more than 0.2 too high)

Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0

Channel/Tailwater Differentials (<0.80)

South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0

Channel/Tailwater Differentials (0.80 - 0.89)

South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0

Channel/Tailwater Differentials (0.90 - 0.99):

South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0

Channel/Tailwater Differentials (2.01 - 2.10)

South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0

Channel/Tailwater Differentials (2.11 - 2.20)

South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0

Channel/Tailwater Differentials (>2.20)

South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0

Entrance Weir Depths (more than 0.2 too low)

SFE 1 (<7.80)	0	0	0	0	0	0	0	0	0	0
NFE 2 (<7.80)	0	0	0	0	0	0	0	0	0	1
NSE 1 (<7.80)	0	0	0	0	0	0	0	0	0	0

Entrance Weir Depths (0.11 - 0.2 too low)

SFE 1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
NFE 2 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
NSE 1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0

Entrance Weir Depths (0.01 - 0.1 too low)

SFE 1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
NFE 2 (7.90 - 7.99)	1	0	0	0	1	0	0	0	0	0
NSE 1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0

DATES:	11-May	12-May	13-May	18-May	19-May	20-May	26-May	27-May	28-May	1-Jun
CHANNEL VELOCITIES										
IN SOUTH FISHWAY:	1.1	1.0	1.2	1.0	0.9	1.1	0.8	0.7	0.9	1.2
ELEVATIONS:										
South Fish Ladder										
Forebay	438.2	437.5	438.3	438.1	438.1	437.7	438.1	438.0	438.0	438.1
Exit Pool	438.2	437.5	438.3	438.1	438.0	437.7	438.1	438.0	438.0	438.1
Makeup Diffuser	434.2	434.3	434.2	434.2	434.2	434.2	434.3	434.2	434.2	434.2
U S Picketed Leads	381.4	381.4	381.4	381.4	381.4	381.4	381.4	381.4	381.4	381.4
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	438.2	437.6	438.3	438.2	438.1	437.7	438.0	438.0	438.1	438.1
Exit Pool	438.2	437.5	438.4	438.2	438.1	437.8	438.0	438.0	438.2	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	347.8	346.4	347.8	346.9	347.8	347.7	346.5	346.8	347.9	351.4
North Pwrh SG2	348.0	346.5	348.0	346.7	347.6	347.8	346.5	346.5	347.2	351.2
North Shore SG30	345.8	345.4	346.1	344.3	346.5	346.5	345.4	345.6	345.5	350.0
Tailwater										
South Pwrh SG3	346.8	345.3	346.8	345.6	346.2	346.7	345.2	345.3	346.9	350.4
North Pwrh SG1	346.6	345.1	346.5	345.3	346.1	346.2	345.5	345.3	346.2	350.0
North Shore SG29	344.2	344.3	345.0	343.0	345.5	345.5	344.0	344.4	344.4	349.0
Entrance Weirs										
SFE 1	336.2	334.7	336.1	334.7	335.7	337.2	334.3	334.5	335.3	340.5
NFE 2	337.9	337.0	338.4	337.3	338.2	337.9	337.1	337.2	337.2	337.2
NSE 1	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.2	332.3	332.3
DIFFERENTIALS/DEPTHS:										
South Fish Ladder										
Ladder Exit	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Ladder Weirs	1.2	1.3	1.2	1.2	1.2	1.2	1.3	1.2	1.2	1.2
Counting Station	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
North Fish Ladder										
Ladder Exit	0.0	0.1	-0.1	0.0	0.0	-0.1	0.0	0.0	-0.1	-0.1
Ladder Weirs	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Counting Station	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Collection Channels										
South Shore	1.0	1.1	1.0	1.3	1.6	1.0	1.3	1.5	1.0	1.0
North Powerhouse	1.4	1.4	1.5	1.4	1.5	1.6	1.0	1.2	1.0	1.2
North Shore	1.6	1.1	1.1	1.3	1.0	1.0	1.4	1.2	1.1	1.0
Weir Depths										
SFE 1	10.6	10.6	10.7	10.9	10.5	9.5	10.9	10.8	11.6	9.9
NFE 2	8.7	8.1	8.1	8.0	7.9	8.3	8.4	8.1	9.0	12.8
NSE 1	11.9	12.0	12.7	10.7	13.2	13.2	11.7	12.2	12.1	16.7
CRITERIA POINTS:										
Channel Velocities	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Differentials										
South Fish Ladder										
Ladder Exit	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Counting Station	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
North Fish Ladder										
Ladder Exit	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

Counting Station	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Collection Channels										
South Shore	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
North Powerhouse	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
North Shore	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Weir Depths										
SFE 1	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
NFE 2	YES	YES	YES	YES	NO	YES	YES	YES	YES	YES
NSE 1	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

CRITERIA POINTS: YES										
Channel Velocities	0	0	0	0	0	0	0	0	0	0
Differentials										
South Fish Ladder										
Ladder Exit	1	1	1	1	1	1	1	1	1	1
Ladder Weirs	1	1	1	1	1	1	1	1	1	1
Counting Station	1	1	1	1	1	1	1	1	1	1
North Fish Ladder										
Ladder Exit	1	1	1	1	1	1	1	1	1	1
Ladder Weirs	1	1	1	1	1	1	1	1	1	1
Counting Station	1	1	1	1	1	1	1	1	1	1
Collection Channels										
South Shore	1	1	1	1	1	1	1	1	1	1
North Powerhouse	1	1	1	1	1	1	1	1	1	1
North Shore	1	1	1	1	1	1	1	1	1	1
Weir Depths										
SFE 1	1	1	1	1	1	1	1	1	1	1
NFE 2	1	1	1	1	0	1	1	1	1	1
NSE 1	1	1	1	1	1	1	1	1	1	1

CRITERIA POINTS: NO	(Output = 0, 1, or NA)									
Channel Velocities	1	1	1	1	1	1	1	1	1	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	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	1	0	0	0	0	0
NSE 1	0	0	0	0	0	0	0	0	0	0

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

South Ladder Differentials (more 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.									

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	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 applicable.									
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicable.									

North Ladder Differentials (0.11 - 0.2 too low)

Ladder Exit	Not applicable.									
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicable.									

North 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.									

North Ladder Differentials (0.01 - 0.1 too high)

Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0

North Ladder Differentials (0.11 - 0.2 too high)

Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0

North Ladder Differentials (more than 0.2 too high)

Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0

Channel/Tailwater Differentials (<0.80)

South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0

Channel/Tailwater Differentials (0.80 - 0.89)

South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0

Channel/Tailwater Differentials (0.90 - 0.99):

South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0

Channel/Tailwater Differentials (2.01 - 2.10)

South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0

Channel/Tailwater Differentials (2.11 - 2.20)

South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0

Channel/Tailwater Differentials (>2.20)

South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0

Entrance Weir Depths (more than 0.2 too low)

SFE 1 (<7.80)	0	0	0	0	0	0	0	0	0	0
NFE 2 (<7.80)	0	0	0	0	0	0	0	0	0	0
NSE 1 (<7.80)	0	0	0	0	0	0	0	0	0	0

Entrance Weir Depths (0.11 - 0.2 too low)

SFE 1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
NFE 2 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
NSE 1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0

Entrance Weir Depths (0.01 - 0.1 too low)

SFE 1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
NFE 2 (7.90 - 7.99)	0	0	0	0	1	0	0	0	0	0
NSE 1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0

DATES:	2-Jun	3-Jun	8-Jun	9-Jun	10-Jun	15-Jun	16-Jun	18-Jun	22-Jun	24-Jun
CHANNEL VELOCITIES										
IN SOUTH FISHWAY:	0.8	0.9	1.5	0.7	1.0	0.9	1.3	0.7	1.0	1.2
ELEVATIONS:										
South Fish Ladder										
Forebay	437.9	438.0	437.5	437.8	437.9	437.4	438.0	438.3	438.1	437.5
Exit Pool	437.9	438.0	437.5	437.8	437.9	437.4	438.0	438.3	438.2	437.6
Makeup Diffuser	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.3	434.3
U S Picketed Leads	381.4	381.4	381.4	381.4	381.4	381.4	381.4	381.2	381.4	381.4
D S Picketed Leads	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.1	381.2	381.2
North Fish Ladder										
Forebay	437.9	438.0	437.4	437.9	437.9	437.6	438.0	438.1	438.1	437.7
Exit Pool	437.9	438.0	437.4	437.9	437.9	437.6	438.0	438.3	438.2	437.8
Makeup Diffuser	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2
U S Picketed Leads	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2
D S Picketed Leads	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2
Collection Channels										
South Pwrh SG4	348.3	347.6	345.5	346.6	345.2	346.1	346.0	346.5	346.4	346.0
North Pwrh SG2	348.1	346.9	345.3	346.4	345.4	346.2	345.6	346.1	346.1	345.8
North Shore SG30	346.6	345.0	342.9	343.4	343.0	344.9	343.0	346.0	344.3	344.5
Tailwater										
South Pwrh SG3	347.1	345.6	343.8	345.0	344.2	345.0	344.4	345.1	344.9	344.7
North Pwrh SG1	347.0	345.4	343.3	345.1	344.3	344.8	344.2	344.9	345.0	344.8
North Shore SG29	345.5	344.0	341.9	342.3	341.9	343.8	342.3	344.5	343.0	342.9
Entrance Weirs										
SFE 1	336.3	335.2	334.3	334.7	336.0	334.7	334.5	334.1	334.6	333.2
NFE 2	337.2	335.3	334.1	336.8	334.2	336.9	336.4	335.8	336.1	336.4
NSE 1	332.3	332.3	332.3	332.3	332.3	332.3	332.3	333.4	333.5	333.5
DIFFERENTIALS/DEPTHS:										
South Fish Ladder										
Ladder Exit	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
Ladder Weirs	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.3
Counting Station	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2
North Fish Ladder										
Ladder Exit	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	-0.1	-0.1
Ladder Weirs	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Counting Station	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Collection Channels										
South Shore	1.2	2.0	1.7	1.6	1.0	1.1	1.6	1.4	1.5	1.3
North Powerhouse	1.1	1.5	2.0	1.3	1.1	1.4	1.4	1.2	1.1	1.0
North Shore	1.1	1.0	1.0	1.1	1.1	1.1	0.7	1.5	1.3	1.6
Weir Depths										
SFE 1	10.8	10.4	9.5	10.3	8.2	10.3	9.9	11.0	10.3	11.5
NFE 2	9.8	10.1	9.2	8.3	10.1	7.9	7.8	9.1	8.9	8.4
NSE 1	13.2	11.7	9.6	10.0	9.6	11.5	10.0	11.1	9.5	9.4
CRITERIA POINTS:										
Channel Velocities	NO	NO	YES	NO	NO	NO	NO	NO	NO	NO
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	NO	YES	YES	YES
Weir Depths										
SFE 1	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
NFE 2	YES	YES	YES	YES	YES	NO	NO	YES	YES	YES
NSE 1	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

CRITERIA POINTS: YES

Channel Velocities	0	0	1	0	0	0	0	0	0	0
Differentials										
South Fish Ladder										
Ladder Exit	1	1	1	1	1	1	1	1	1	1
Ladder Weirs	1	1	1	1	1	1	1	1	1	1
Counting Station	1	1	1	1	1	1	1	1	1	1
North Fish Ladder										
Ladder Exit	1	1	1	1	1	1	1	1	1	1
Ladder Weirs	1	1	1	1	1	1	1	1	1	1
Counting Station	1	1	1	1	1	1	1	1	1	1
Collection Channels										
South Shore	1	1	1	1	1	1	1	1	1	1
North Powerhouse	1	1	1	1	1	1	1	1	1	1
North Shore	1	1	1	1	1	1	0	1	1	1
Weir Depths										
SFE 1	1	1	1	1	1	1	1	1	1	1
NFE 2	1	1	1	1	1	0	0	1	1	1
NSE 1	1	1	1	1	1	1	1	1	1	1

CRITERIA POINTS: NO — (Output = 0, 1, or NA)

Channel Velocities	1	1	0	1	1	1	1	1	1	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	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	1	0	0	0
Weir Depths										
SFE 1	0	0	0	0	0	0	0	0	0	0
NFE 2	0	0	0	0	0	1	1	0	0	0
NSE 1	0	0	0	0	0	0	0	0	0	0

CRITERIA POINTS: SILL — (Output = 0, 1, or NA)

Weir Depths										
SFE 1	0	0	0	0	0	0	0	0	0	0
NFE 2	0	0	0	0	0	0	0	0	0	0
NSE 1	0	0	0	0	0	0	0	0	0	0

South Ladder Differentials (more 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.									

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	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 applicable.									
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicable.									

North Ladder Differentials (0.11 - 0.2 too low)

Ladder Exit	Not applicable.									
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicable.									

North 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.									

North Ladder Differentials (0.01 - 0.1 too high)

Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0

North Ladder Differentials (0.11 - 0.2 too high)

Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0

North Ladder Differentials (more than 0.2 too high)

Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0

Channel/Tailwater Differentials (<0.80)

South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	1	0	0	0

Channel/Tailwater Differentials (0.80 - 0.89)

South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0

Channel/Tailwater Differentials (0.90 - 0.99):

South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0

Channel/Tailwater Differentials (2.01 - 2.10)

South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0

Channel/Tailwater Differentials (2.11 - 2.20)

South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0

Channel/Tailwater Differentials (>2.20)

South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0

Entrance Weir Depths (more than 0.2 too low)

SFE 1 (<7.80)	0	0	0	0	0	0	0	0	0	0
NFE 2 (<7.80)	0	0	0	0	0	0	0	0	0	0
NSE 1 (<7.80)	0	0	0	0	0	0	0	0	0	0

Entrance Weir Depths (0.11 - 0.2 too low)

SFE 1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
NFE 2 (7.80 - 7.89)	0	0	0	0	0	0	1	0	0	0
NSE 1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0

Entrance Weir Depths (0.01 - 0.1 too low)

SFE 1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
NFE 2 (7.90 - 7.99)	0	0	0	0	0	1	0	0	0	0
NSE 1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0

DATES:	25-Jun	29-Jun	30-Jun	1-Jul	6-Jul	7-Jul	8-Jul	13-Jul	14-Jul	15-Jul
CHANNEL VELOCITIES										
IN SOUTH FISHWAY:	1.2	1.5	1.1	1.4	2.2	1.7	2.0	1.7	2.5	2.6
ELEVATIONS:										
South Fish Ladder										
Forebay	438.1	438.0	438.3	438.2	438.3	438.2	438.3	438.1	437.8	437.8
Exit Pool	438.1	438.0	438.3	438.2	438.3	438.2	438.3	438.1	437.9	437.8
Makeup Diffuser	434.2	434.2	434.2	434.2	434.3	434.3	434.3	434.2	434.3	434.3
U S Picketed Leads	381.4	381.4	381.4	381.4	381.4	381.4	381.2	381.4	381.4	381.4
D S Picketed Leads	381.2	381.2	381.2	381.2	381.2	381.2	381.1	381.2	381.2	381.2
North Fish Ladder										
Forebay	438.0	438.0	438.3	438.0	438.2	438.3	438.2	437.9	437.9	437.7
Exit Pool	438.0	438.0	438.5	438.1	438.4	438.3	438.3	438.0	437.9	437.8
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	345.0	343.8	346.8	345.2	342.8	342.9	344.5	342.8	341.7	341.0
North Pwrh SG2	345.2	343.9	346.5	345.2	342.8	343.0	344.0	342.9	341.7	341.0
North Shore SG30	342.7	341.7	344.3	343.0	341.9	342.3	342.2	341.5	341.5	339.6
Tailwater										
South Pwrh SG3	344.0	342.8	345.6	344.0	341.8	341.8	343.0	342.0	339.9	339.6
North Pwrh SG1	344.2	342.7	345.2	344.1	341.7	341.6	342.6	341.9	340.2	339.4
North Shore SG29	341.4	340.4	342.9	342.0	340.9	341.3	341.1	340.4	339.4	338.3
Entrance Weirs										
SFE 1	334.6	333.4	333.9	335.0	332.9	333.2	334.1	332.8	332.3	332.3
NFE 2	335.3	335.4	335.4	333.6	332.9	333.0	332.9	333.0	333.0	332.3
NSE 1	333.1	333.1	333.2	333.2	332.9	332.9	332.9	333.1	332.8	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	-0.1	0.0
Ladder Weirs	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.2	1.3	1.3
Counting Station	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2
North Fish Ladder										
Ladder Exit	0.0	0.0	-0.2	-0.1	-0.2	0.0	-0.1	-0.1	0.0	-0.1
Ladder Weirs	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Counting Station	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Collection Channels										
South Shore	1.0	1.0	1.2	1.2	1.0	1.1	1.5	0.8	1.8	1.4
North Powerhouse	1.0	1.2	1.3	1.1	1.1	1.4	1.4	1.0	1.5	1.6
North Shore	1.3	1.3	1.4	1.0	1.0	1.0	1.1	1.1	2.1	1.3
Weir Depths										
SFE 1	9.4	9.4	11.7	9.0	8.9	8.6	8.9	9.2	7.6	7.3
NFE 2	8.9	7.3	9.8	10.5	8.8	8.6	9.7	8.9	7.2	7.1
NSE 1	8.3	7.3	9.7	8.8	8.0	8.4	8.2	7.3	6.6	6.0
CRITERIA POINTS:										
Channel Velocities	NO	YES	NO	NO	YES	YES	YES	YES	YES	YES
Differentials										
South Fish Ladder										
Ladder Exit	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Counting Station	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
North Fish Ladder										
Ladder Exit	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

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

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

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

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

South Ladder Differentials (more 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.									
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	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 applicable.									
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicable.									
North Ladder Differentials (0.11 - 0.2 too low)										
Ladder Exit	Not applicable.									
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicable.									
North 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.									
North Ladder Differentials (0.01 - 0.1 too high)										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Ladder Differentials (0.11 - 0.2 too high)										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Ladder Differentials (more than 0.2 too high)										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (<0.80)										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (0.80 - 0.89)										
South Shore	0	0	0	0	0	0	0	1	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	1	0

Channel/Tailwater Differentials (>2.20)

South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0

Entrance Weir Depths (more than 0.2 too low)

SFE 1 (<7.80)	0	0	0	0	0	0	0	0	0	0
NFE 2 (<7.80)	0	1	0	0	0	0	0	0	1	0
NSE 1 (<7.80)	0	1	0	0	0	0	0	1	1	0

Entrance Weir Depths (0.11 - 0.2 too low)

SFE 1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
NFE 2 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
NSE 1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0

Entrance Weir Depths (0.01 - 0.1 too low)

SFE 1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
NFE 2 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
NSE 1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0

DATES:	20-Jul	21-Jul	22-Jul	27-Jul	28-Jul	29-Jul	3-Aug	4-Aug	5-Aug	10-Aug
CHANNEL VELOCITIES IN SOUTH FISHWAY:	2.1	2.0	2.9	2.4	2.7	2.6	2.4	3.0	2.7	2.6
ELEVATIONS:										
South Fish Ladder										
Forebay	437.4	438.1	438.0	438.6	438.7	438.6	438.3	437.9	438.3	438.6
Exit Pool	437.4	438.0	438.0	438.6	438.7	438.6	438.3	437.9	438.3	438.6
Makeup Diffuser	434.3	434.2	434.3	434.2	434.2	434.2	434.3	434.3	434.3	434.3
U S Picketed Leads	381.5	381.4	381.4	381.4	381.3	381.4	381.2	381.4	381.4	381.4
D S Picketed Leads	381.2	381.2	381.2	381.2	381.1	381.2	381.1	381.2	381.2	381.2
North Fish Ladder										
Forebay	437.3	438.0	438.0	438.3	438.7	438.4	438.2	437.9	438.2	438.6
Exit Pool	437.4	438.0	438.0	438.5	438.7	438.6	438.3	438.0	438.3	438.6
Makeup Diffuser	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.3	434.2
U S Picketed Leads	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.3	434.3	434.2
D S Picketed Leads	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2
Collection Channels										
South Pwrh SG4	341.9	343.5	341.7	341.6	341.5	342.0	341.6	342.2	340.2	341.0
North Pwrh SG2	340.9	342.9	341.8	341.9	341.8	341.5	342.1	341.9	340.2	341.3
North Shore SG30	340.8	342.6	342.6	341.5	341.6	341.6	340.8	341.3	340.6	342.1
Tailwater										
South Pwrh SG3	340.0	341.9	340.7	339.7	340.2	340.4	340.1	340.4	340.2	339.9
North Pwrh SG1	339.9	341.9	340.5	339.7	340.0	340.3	340.2	340.4	340.2	339.8
North Shore SG29	339.7	341.2	341.2	339.5	339.6	339.6	339.7	339.5	339.5	340.1
Entrance Weirs										
SFE 1	332.3	332.7	332.7	332.3	332.3	332.3	332.3	332.3	332.3	332.3
NFE 2	332.3	333.2	333.2	332.3	332.8	332.3	332.5	332.5	332.3	332.3
NSE 1	332.3	332.9	332.9	332.3	333.1	332.3	332.4	332.6	332.3	332.3
DIFFERENTIALS/DEPTHS:										
South Fish Ladder										
Ladder Exit	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ladder Weirs	1.3	1.2	1.3	1.2	1.2	1.2	1.3	1.3	1.3	1.3
Counting Station	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2
North Fish Ladder										
Ladder Exit	-0.1	0.0	0.0	-0.2	0.0	-0.2	-0.1	-0.1	-0.1	0.0
Ladder Weirs	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.2
Counting Station	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0
Collection Channels										
South Shore	1.9	1.6	1.0	1.9	1.3	1.6	1.5	1.8	0.0	1.1
North Powerhouse	1.0	1.0	1.3	2.2	1.8	1.2	1.9	1.5	0.0	1.5
North Shore	1.1	1.4	1.4	2.0	2.0	2.0	1.1	1.8	1.1	2.0
Weir Depths										
SFE 1	7.7	9.2	8.0	7.4	7.9	8.1	7.8	8.1	7.9	7.6
NFE 2	7.6	8.7	7.3	7.4	7.2	8.0	7.7	7.9	7.9	7.5
NSE 1	7.4	8.3	8.3	7.2	6.5	7.3	7.3	6.9	7.2	7.8
CRITERIA POINTS:										
Channel Velocities	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Differentials										
South Fish Ladder										
Ladder Exit	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Counting Station	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
North Fish Ladder										
Ladder Exit	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

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

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

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

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

South Ladder Differentials (more 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.									

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	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 applicable.									
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicable.									

North Ladder Differentials (0.11 - 0.2 too low)

Ladder Exit	Not applicable.									
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicable.									

North 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.									

North Ladder Differentials (0.01 - 0.1 too high)

Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0

North Ladder Differentials (0.11 - 0.2 too high)

Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0

North Ladder Differentials (more than 0.2 too high)

Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0

Channel/Tailwater Differentials (<0.80)

South Shore	0	0	0	0	0	0	0	0	1	0
North Powerhouse	0	0	0	0	0	0	0	0	1	0
North Shore	0	0	0	0	0	0	0	0	0	0

Channel/Tailwater Differentials (0.80 - 0.89)

South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0

Channel/Tailwater Differentials (0.90 - 0.99):

South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0

Channel/Tailwater Differentials (2.01 - 2.10)

South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	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	1	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0

Channel/Tailwater Differentials (>2.20)

South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0

Entrance Weir Depths (more than 0.2 too low)

SFE 1 (<7.80)	0	0	0	0	0	0	0	0	0	0
NFE 2 (<7.80)	0	0	1	0	1	0	1	0	0	0
NSE 1 (<7.80)	0	0	0	0	1	0	1	1	0	0

Entrance Weir Depths (0.11 - 0.2 too low)

SFE 1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
NFE 2 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
NSE 1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0

Entrance Weir Depths (0.01 - 0.1 too low)

SFE 1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
NFE 2 (7.90 - 7.99)	0	0	0	0	0	0	0	1	0	0
NSE 1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0

DATES:	11-Aug	12-Aug	17-Aug	19-Aug	20-Aug	24-Aug	25-Aug	26-Aug	31-Aug	1-Sep
CHANNEL VELOCITIES										
IN SOUTH FISHWAY:	2.5	2.4	3.0	2.5	2.7	2.7	1.8	2.2	2.7	2.4
ELEVATIONS:										
South Fish Ladder										
Forebay	438.9	438.7	438.9	438.7	438.7	438.6	438.8	438.6	438.8	438.7
Exit Pool	438.9	438.7	438.9	438.7	438.7	438.7	438.7	438.6	438.8	438.7
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	381.2	381.4	381.4	381.4	381.4	381.4	381.4	381.4	381.2
D S Picketed Leads	381.2	381.1	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.1
North Fish Ladder										
Forebay	438.8	438.6	438.9	438.7	438.7	438.7	438.7	438.5	438.7	438.7
Exit Pool	438.9	438.7	438.9	438.7	438.7	438.7	438.7	438.6	438.7	438.7
Makeup Diffuser	434.3	434.3	434.3	434.3	434.3	434.3	434.3	434.1	434.3	434.2
U S Picketed Leads	434.3	434.3	434.3	434.3	434.3	434.3	434.3	434.2	434.3	434.2
D S Picketed Leads	434.3	434.3	434.3	434.3	434.3	434.3	434.3	434.1	434.3	434.2
Collection Channels										
South Pwrh SG4	340.2	341.6	340.3	342.5	341.1	341.0	343.1	341.5	341.3	341.9
North Pwrh SG2	341.1	341.7	340.3	342.2	341.2	340.8	343.0	341.0	341.0	341.8
North Shore SG30	341.2	341.6	341.3	341.6	341.3	340.6	341.0	340.7	339.4	341.8
Tailwater										
South Pwrh SG3	339.9	339.9	338.4	340.6	338.6	339.3	341.4	339.5	339.5	339.9
North Pwrh SG1	339.5	339.8	338.3	340.4	338.6	339.2	341.3	339.7	339.3	339.9
North Shore SG29	339.4	339.7	339.4	339.8	338.5	338.2	340.0	338.6	338.2	340.6
Entrance Weirs										
SFE 1	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
NFE 2	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
NSE 1	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
DIFFERENTIALS/DEPTHS:										
South Fish Ladder										
Ladder Exit	0.0	0.0	0.0	0.0	0.0	-0.1	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	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1
North Fish Ladder										
Ladder Exit	-0.1	-0.1	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	1.1	1.3	1.2
Counting Station	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Collection Channels										
South Shore	0.3	1.7	1.9	1.9	2.5	1.7	1.7	2.0	1.8	2.0
North Powerhouse	1.6	1.9	2.0	1.8	2.6	1.6	1.7	1.3	1.7	1.9
North Shore	1.8	1.9	1.9	1.8	2.8	2.4	1.0	2.1	1.2	1.2
Weir Depths										
SFE 1	7.6	7.6	6.1	8.3	6.3	7.0	9.1	7.2	7.2	7.6
NFE 2	7.2	7.5	6.0	8.1	6.3	6.9	9.0	7.4	7.0	7.6
NSE 1	7.1	7.4	7.1	7.5	6.2	5.9	7.7	6.3	5.9	8.3
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

	1	2	3	4	5	6	7	8	9	10
Counting Station	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Collection Channels										
South Shore	NO	YES	YES	YES	NO	YES	YES	YES	YES	YES
North Powerhouse	YES	YES	YES	YES	NO	YES	YES	YES	YES	YES
North Shore	YES	YES	YES	YES	NO	NO	YES	NO	YES	YES
Weir Depths										
SFE 1	SILL	SILL	SILL	YES	SILL	SILL	YES	SILL	SILL	SILL
NFE 2	SILL	SILL	SILL	YES	SILL	SILL	YES	SILL	SILL	SILL
NSE 1	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	YES

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

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

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

South Ladder Differentials (more 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.									

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	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 applicable.									
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicable.									

North Ladder Differentials (0.11 - 0.2 too low)

Ladder Exit	Not applicable.									
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicable.									

North 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.									

North Ladder Differentials (0.01 - 0.1 too high)

Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0

North Ladder Differentials (0.11 - 0.2 too high)

Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0

North Ladder Differentials (more than 0.2 too high)

Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0

Channel/Tailwater Differentials (<0.80)

South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0

Channel/Tailwater Differentials (0.80 - 0.89)

South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0

Channel/Tailwater Differentials (0.90 - 0.99):

South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0

Channel/Tailwater Differentials (2.01 - 2.10)

South Shore	0	0	0	0	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 (2.11 - 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	1	0	0	0	0	0
North Powerhouse	0	0	0	0	1	0	0	0	0	0
North Shore	0	0	0	0	1	1	0	0	0	0

Entrance Weir Depths (more than 0.2 too low)

SFE 1 (<7.80)	0	0	0	0	0	0	0	0	0	0
NFE 2 (<7.80)	0	0	0	0	0	0	0	0	0	0
NSE 1 (<7.80)	0	0	0	0	0	0	0	0	0	0

Entrance Weir Depths (0.11 - 0.2 too low)

SFE 1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
NFE 2 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
NSE 1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0

Entrance Weir Depths (0.01 - 0.1 too low)

SFE 1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
NFE 2 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
NSE 1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0

DATES:	2-Sep	8-Sep	9-Sep	10-Sep	14-Sep	15-Sep	16-Sep	21-Sep	22-Sep	23-Sep
CHANNEL VELOCITIES										
IN SOUTH FISHWAY:	2.5	2.3	2.9	2.2	1.9	2.4	2.3	2.2	2.3	2.0
ELEVATIONS:										
South Fish Ladder										
Forebay	438.5	439.3	439.0	438.6	439.2	438.8	438.9	438.9	438.7	439.4
Exit Pool	438.5	439.3	439.0	438.6	439.1	438.8	438.9	438.9	438.7	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	381.2	381.3	381.2	381.3	381.4	381.2	381.3	381.3	381.3	381.4
D S Picketed Leads	381.1	381.2	381.1	381.1	381.2	381.1	381.1	381.2	381.2	381.2
North Fish Ladder										
Forebay	438.5	439.3	439.0	438.6	439.1	438.7	438.9	438.9	438.7	439.0
Exit Pool	438.5	439.3	439.0	438.6	439.2	438.8	438.9	438.9	438.7	439.1
Makeup Diffuser	434.3	434.3	434.3	434.3	434.3	434.3	434.3	434.3	434.3	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	434.3	434.3	434.3	434.3	434.3	434.3	434.3	434.3	434.3	434.2
Collection Channels										
South Pwrh SG4	341.9	340.8	340.2	341.4	341.4	341.5	341.4	341.5	341.3	341.7
North Pwrh SG2	341.6	430.9	340.0	341.1	341.6	341.3	341.2	341.3	341.3	341.3
North Shore SG30	341.5	340.0	340.0	340.3	340.9	340.6	340.6	340.6	340.1	341.4
Tailwater										
South Pwrh SG3	340.1	339.0	338.2	339.4	339.9	339.8	339.7	339.7	339.5	339.8
North Pwrh SG1	339.9	339.0	338.1	339.8	339.9	340.0	339.9	339.9	339.9	340.1
North Shore SG29	340.3	338.9	338.4	339.1	339.9	339.6	339.6	339.8	339.1	339.9
Entrance Weirs										
SFE 1	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
NFE 2	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
NSE 1	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
DIFFERENTIALS/DEPTHS:										
South Fish Ladder										
Ladder Exit	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.2
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	0.2	0.1	0.2	0.1	0.1	0.2
North Fish Ladder										
Ladder Exit	0.0	0.0	0.0	0.0	-0.1	-0.1	0.0	0.0	0.0	-0.1
Ladder Weirs	1.3	1.3	1.3	1.3	1.3	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	0.0	0.1
Collection Channels										
South Shore	1.8	1.8	2.0	2.0	1.5	1.7	1.7	1.8	1.8	1.9
North Powerhouse	1.7	91.9	1.9	1.3	1.7	1.3	1.3	1.4	1.4	1.2
North Shore	1.2	1.1	1.6	1.2	1.0	1.0	1.0	0.8	1.0	1.5
Weir Depths										
SFE 1	7.8	6.7	5.9	7.1	7.6	7.5	7.4	7.4	7.2	7.5
NFE 2	7.6	6.7	5.8	7.5	7.6	7.7	7.6	7.6	7.6	7.8
NSE 1	8.0	6.6	6.1	6.8	7.6	7.3	7.3	7.5	6.8	7.6
CRITERIA POINTS:										
Channel Velocities	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Differentials										
South Fish Ladder										
Ladder Exit	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Counting Station	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
North Fish Ladder										
Ladder Exit	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

	1	2	3	4	5	6	7	8	9	10
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	NO	YES	YES	YES	YES	YES	YES	YES	YES
North Shore	YES	YES	YES	YES	YES	YES	YES	NO	YES	YES
Weir Depths										
SFE 1	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL
NFE 2	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL
NSE 1	YES	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL

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

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

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

South Ladder Differentials (more 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.									

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	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 applicable.									
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicable.									

North Ladder Differentials (0.11 - 0.2 too low)

Ladder Exit	Not applicable.									
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicable.									

North 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.									

North Ladder Differentials (0.01 - 0.1 too high)

Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0

North Ladder Differentials (0.11 - 0.2 too high)

Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0

North Ladder Differentials (more than 0.2 too high)

Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0

Channel/Tailwater Differentials (<0.80)

South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0

Channel/Tailwater Differentials (0.80 - 0.89)

South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	1	0	0

Channel/Tailwater Differentials (0.90 - 0.99):

South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0

Channel/Tailwater Differentials (2.01 - 2.10)

South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0

Channel/Tailwater Differentials (2.11 - 2.20)

South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0

Channel/Tailwater Differentials (>2.20)

South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0

Entrance Weir Depths (more than 0.2 too low)

SFE 1 (<7.80)	0	0	0	0	0	0	0	0	0	0
NFE 2 (<7.80)	0	0	0	0	0	0	0	0	0	0
NSE 1 (<7.80)	0	0	0	0	0	0	0	0	0	0

Entrance Weir Depths (0.11 - 0.2 too low)

SFE 1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
NFE 2 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
NSE 1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0

Entrance Weir Depths (0.01 - 0.1 too low)

SFE 1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
NFE 2 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
NSE 1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0

DATES:	28-Sep	29-Sep	1-Oct	5-Oct	6-Oct	7-Oct	13-Oct	14-Oct	15-Oct	19-Oct
CHANNEL VELOCITIES										
IN SOUTH FISHWAY:	2.9	2.4	2.4	2.4	2.4	2.4	3.1	2.6	2.5	2.7
ELEVATIONS:										
South Fish Ladder										
Forebay	439.2	439.2	438.7	439.2	439.3	438.8	439.4	438.8	439.1	439.0
Exit Pool	439.0	439.1	438.5	439.0	439.2	438.6	439.4	438.7	439.0	439.0
Makeup Diffuser	434.3	434.3	434.2	434.2	434.2	434.2	434.2	434.3	434.2	434.3
U S Picketed Leads	381.4	381.4	381.4	381.4	381.4	381.4	381.4	381.4	381.4	381.2
D S Picketed Leads	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.1
North Fish Ladder										
Forebay	439.2	439.1	438.8	439.1	439.2	438.7	439.3	438.8	438.1	439.0
Exit Pool	439.2	439.2	438.8	439.1	439.3	438.7	439.4	438.7	438.2	439.1
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	434.2	434.3	434.4	434.5	434.4	434.4	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	341.6	342.0	341.4	340.8	341.4	340.4	341.2	341.0	341.9	341.6
North Pwrh SG2	341.7	341.9	340.8	340.9	340.7	340.5	340.5	340.5	341.9	341.4
North Shore SG30	341.2	342.0	341.3	341.5	341.5	341.6	341.2	340.8	342.0	341.7
Tailwater										
South Pwrh SG3	339.8	340.7	339.4	339.7	339.6	339.4	339.3	339.0	340.4	339.3
North Pwrh SG1	339.7	340.6	339.2	339.8	339.6	339.2	339.1	339.0	340.3	339.3
North Shore SG29	340.1	341.0	339.7	340.0	339.9	340.1	339.6	339.6	340.6	340.2
Entrance Weirs										
SFE 1	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
NFE 2	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
NSE 1	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
DIFFERENTIALS/DEPTHS:										
South Fish Ladder										
Ladder Exit	0.2	0.1	0.2	0.2	0.1	0.2	0.0	0.1	0.1	0.0
Ladder Weirs	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.3	1.2	1.3
Counting Station	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1
North Fish Ladder										
Ladder Exit	0.0	-0.1	0.0	0.0	-0.1	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	0.0	0.1	0.1	0.3	0.2	0.2	0.0	0.0	0.0	0.0
Collection Channels										
South Shore	1.8	1.3	2.0	1.1	1.8	1.0	1.9	2.0	1.5	2.3
North Powerhouse	2.0	1.3	1.6	1.1	1.1	1.3	1.4	1.5	1.6	2.1
North Shore	1.1	1.0	1.6	1.5	1.6	1.5	1.6	1.2	1.4	1.5
Weir Depths										
SFE 1	7.5	8.4	7.1	7.4	7.3	7.1	7.0	6.7	8.1	7.0
NFE 2	7.4	8.3	6.9	7.5	7.3	6.9	6.8	6.7	8.0	7.0
NSE 1	7.8	8.7	7.4	7.7	7.6	7.8	7.3	7.3	8.3	7.9
CRITERIA POINTS:										
Channel Velocities	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Differentials										
South Fish Ladder										
Ladder Exit	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Counting Station	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
North Fish Ladder										
Ladder Exit	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

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

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

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

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

South Ladder Differentials (more 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.									
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	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 applicable.									
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicable.									
North Ladder Differentials (0.11 - 0.2 too low)										
Ladder Exit	Not applicable.									
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicable.									
North 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.									
North Ladder Differentials (0.01 - 0.1 too high)										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Ladder Differentials (0.11 - 0.2 too high)										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Ladder Differentials (more than 0.2 too high)										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (<0.80)										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (0.80 - 0.89)										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (0.90 - 0.99):										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0

Channel/Tailwater Differentials (2.01 - 2.10)

South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	1
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	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

Entrance Weir Depths (more than 0.2 too low)

SFE 1 (<7.80)	0	0	0	0	0	0	0	0	0	0
NFE 2 (<7.80)	0	0	0	0	0	0	0	0	0	0
NSE 1 (<7.80)	0	0	0	0	0	0	0	0	0	0

Entrance Weir Depths (0.11 - 0.2 too low)

SFE 1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
NFE 2 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
NSE 1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0

Entrance Weir Depths (0.01 - 0.1 too low)

SFE 1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
NFE 2 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
NSE 1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0

DATES:	21-Oct	22-Oct	26-Oct	27-Oct	28-Oct	2-Nov	3-Nov	4-Nov	9-Nov	10-Nov
CHANNEL VELOCITIES										
IN SOUTH FISHWAY:	2.3	2.6	2.6	NA	2.5	2.0	1.8	2.8		2.5
ELEVATIONS:										
South Fish Ladder										
Forebay	439.3	438.8	439.0	438.7	439.2	438.8	438.6	438.6	439.3	438.3
Exit Pool	439.2	438.6	439.0	438.6	439.1	438.8	438.5	438.5	439.4	438.3
Makeup Diffuser	434.2	434.2	434.2	434.3	434.3	434.3	434.2	434.2	434.3	434.3
U S Picketed Leads	381.4	381.4	381.4	381.4	381.2	381.4	381.2	381.2	381.2	381.2
D S Picketed Leads	381.2	381.2	381.2	381.2	381.1	381.2	381.2	381.2	381.2	381.2
North Fish Ladder										
Forebay	439.2	438.8	439.0	438.7	439.0	438.7	438.6	438.7	439.3	438.3
Exit Pool	439.2	438.8	439.0	438.7	439.2	438.9	438.7	438.8	439.4	438.3
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	434.3	434.3	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	341.9	341.6	340.4	341.0	342.0	341.4	341.4	341.0	340.6	341.0
North Pwrh SG2	340.8	341.4	340.2	340.3	341.5	340.8	340.5	340.5	340.4	340.8
North Shore SG30	341.6	340.7	340.2	340.8	340.6	341.5	341.4	341.3	339.9	340.2
Tailwater										
South Pwrh SG3	339.9	340.1	339.2	338.8	339.7	339.7	339.7	339.3	339.0	339.6
North Pwrh SG1	339.8	340.0	339.2	338.9	339.6	339.4	339.3	339.2	339.0	339.6
North Shore SG29	340.3	339.5	339.0	338.9	339.5	339.9	339.8	339.3	338.7	339.2
Entrance Weirs										
SFE 1	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
NFE 2	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
NSE 1	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
DIFFERENTIALS/DEPTHS:										
South Fish Ladder										
Ladder Exit	0.1	0.2	0.0	0.1	0.1	0.0	0.1	0.1	-0.1	0.0
Ladder Weirs	1.2	1.2	1.2	1.3	1.3	1.3	1.2	1.2	1.3	1.3
Counting Station	0.2	0.2	0.2	0.2	0.1	0.2	0.0	0.0	0.0	0.0
North Fish Ladder										
Ladder Exit	0.0	0.0	0.0	0.0	-0.2	-0.2	-0.1	-0.1	-0.1	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	0.1	0.1	0.0	0.0	0.0
Collection Channels										
South Shore	2.0	1.5	1.2	2.2	2.3	1.7	1.7	1.7	1.6	1.4
North Powerhouse	1.0	1.4	1.0	1.4	1.9	1.4	1.2	1.3	1.4	1.2
North Shore	1.3	1.2	1.2	1.9	1.1	1.6	1.6	2.0	1.2	1.0
Weir Depths										
SFE 1	7.6	7.8	6.9	6.5	7.4	7.4	7.4	7.0	6.7	7.3
NFE 2	7.5	7.7	6.9	6.6	7.3	7.1	7.0	6.9	6.7	7.3
NSE 1	8.0	7.2	6.7	6.6	7.2	7.6	7.5	7.0	6.4	6.9
CRITERIA POINTS:										
Channel Velocities	YES	YES	YES	NA	YES	YES	YES	YES	NO	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	NO	NO	YES	YES	YES	YES	YES
North Powerhouse	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
North Shore	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Weir Depths										
SFE 1	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL
NFE 2	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL
NSE 1	YES	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL

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

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

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

South Ladder Differentials (more 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.									
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	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 applicable.									
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicable.									
North Ladder Differentials (0.11 - 0.2 too low)										
Ladder Exit	Not applicable.									
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicable.									
North 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.									
North Ladder Differentials (0.01 - 0.1 too high)										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Ladder Differentials (0.11 - 0.2 too high)										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Ladder Differentials (more than 0.2 too high)										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (<0.80)										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (0.80 - 0.89)										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (0.90 - 0.99):										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0

Channel/Tailwater Differentials (2.01 - 2.10)

South Shore	0	0	0	0	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	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

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

Entrance Weir Depths (more than 0.2 too low)

SFE 1 (<7.80)	0	0	0	0	0	0	0	0	0	0
NFE 2 (<7.80)	0	0	0	0	0	0	0	0	0	0
NSE 1 (<7.80)	0	0	0	0	0	0	0	0	0	0

Entrance Weir Depths (0.11 - 0.2 too low)

SFE 1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
NFE 2 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
NSE 1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0

Entrance Weir Depths (0.01 - 0.1 too low)

SFE 1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
NFE 2 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
NSE 1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0

DATES:	12-Nov	16-Nov	17-Nov	18-Nov	23-Nov	24-Nov	25-Nov	30-Nov	1-Dec	2-Dec
CHANNEL VELOCITIES										
IN SOUTH FISHWAY:	2.2	2.8	2.7	2.8	2.7	2.5	2.7	2.4	2.3	2.3
ELEVATIONS:										
South Fish Ladder										
Forebay	438.1	438.6	439.1	439.1	439.1	438.8	439.3	438.7	439.2	439.2
Exit Pool	438.1	438.6	439.1	439.1	439.1	438.8	439.3	438.7	439.2	439.1
Makeup Diffuser	434.2	434.3	434.3	434.3	434.2	434.2	434.2	434.2	434.2	434.2
U S Picketed Leads	381.4	381.3	381.4	381.4	381.4	381.4	381.4	381.4	381.4	381.4
D S Picketed Leads	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.4
North Fish Ladder										
Forebay	438.2	438.6	438.9	439.1	438.8	439.0	439.6	438.7	439.2	439.0
Exit Pool	438.2	438.7	438.9	439.2	438.8	439.0	439.4	438.8	439.3	439.1
Makeup Diffuser	434.2	434.1	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2
U S Picketed Leads	434.2	434.1	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2
D S Picketed Leads	434.2	434.1	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2
Collection Channels										
South Pwrh SG4	340.7	341.2	340.9	340.9	340.5	341.4	340.5	341.2	340.7	341.0
North Pwrh SG2	340.0	340.2	340.5	340.2	339.9	340.8	340.0	341.1	340.0	341.1
North Shore SG30	340.5	341.0	341.0	341.1	340.9	341.5	340.0	340.9	339.9	341.0
Tailwater										
South Pwrh SG3	338.7	339.3	339.0	339.1	338.7	339.8	338.3	339.4	338.9	339.4
North Pwrh SG1	338.6	339.0	339.0	339.0	338.8	339.7	338.6	339.3	338.9	339.1
North Shore SG29	338.9	339.0	339.3	339.4	338.9	340.0	338.9	339.6	338.3	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	0.0	0.0	0.0	0.0	0.0	0.1
Ladder Weirs	1.2	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.2
Counting Station	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0
North Fish Ladder										
Ladder Exit	0.0	-0.1	0.0	-0.1	0.0	0.0	0.2	-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	1.2
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	1.9	1.9	1.8	1.8	1.6	2.2	1.8	1.8	1.6
North Powerhouse	1.4	1.2	1.5	1.2	1.1	1.1	1.4	1.8	1.1	2.0
North Shore	1.6	2.0	1.7	1.7	2.0	1.5	1.1	1.3	1.6	1.6
Weir Depths										
SFE 1	6.4	7.0	6.7	6.8	6.4	7.5	6.0	7.1	6.6	7.1
NFE 2	6.3	6.7	6.7	6.7	6.5	7.4	6.3	7.0	6.6	6.8
NSE 1	6.6	6.7	7.0	7.1	6.6	7.7	6.6	7.3	6.0	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	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	NO	YES	YES	YES
North Powerhouse	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
North Shore	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Weir Depths										
SFE 1	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL
NFE 2	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL
NSE 1	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL

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

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

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

South Ladder Differentials (more 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.									

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	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 applicable.									
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicable.									

North Ladder Differentials (0.11 - 0.2 too low)

Ladder Exit	Not applicable.									
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicable.									

North 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.									

North Ladder Differentials (0.01 - 0.1 too high)

Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0

North Ladder Differentials (0.11 - 0.2 too high)

Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0

North Ladder Differentials (more than 0.2 too high)

Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0

Channel/Tailwater Differentials (<0.80)

South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0

Channel/Tailwater Differentials (0.80 - 0.89)

South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0

Channel/Tailwater Differentials (0.90 - 0.99):

South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0

Channel/Tailwater Differentials (2.01 - 2.10)

South Shore	0	0	0	0	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	1	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0

Channel/Tailwater Differentials (>2.20)

South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0

Entrance Weir Depths (more than 0.2 too low)

SFE 1 (<7.80)	0	0	0	0	0	0	0	0	0	0
NFE 2 (<7.80)	0	0	0	0	0	0	0	0	0	0
NSE 1 (<7.80)	0	0	0	0	0	0	0	0	0	0

Entrance Weir Depths (0.11 - 0.2 too low)

SFE 1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
NFE 2 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
NSE 1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0

Entrance Weir Depths (0.01 - 0.1 too low)

SFE 1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
NFE 2 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
NSE 1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0

DATES:	8-Dec	9-Dec	10-Dec	14-Dec	15-Dec	17-Dec	21/21	22-Dec	28-Dec
CHANNEL VELOCITIES									
IN SOUTH FISHWAY:	2.5	2.0	2.8	2.1	2.3	2.7	1.5	1.6	2.8
ELEVATIONS:									
South Fish Ladder									
Forebay	439.4	438.9	438.9	438.9	439.2	438.9	439.4	438.6	438.8
Exit Pool	439.3	439.0	438.9	438.9	439.2	438.9	439.4	438.6	438.8
Makeup Diffuser	434.2	434.3	434.2	434.3	434.2	434.3	434.2	434.2	434.2
U S Picketed Leads	381.4	381.4	381.4	381.2	381.2	381.2	381.2	381.2	381.2
D S Picketed Leads	381.2	381.2	381.2	381.1	381.1	381.1	381.1	381.1	381.1
North Fish Ladder									
Forebay	439.3	439.0	438.8	438.9	439.1	438.9	439.5	438.5	438.8
Exit Pool	439.3	439.1	438.9	439.0	439.2	438.7	439.5	438.6	438.8
Makeup Diffuser	434.2	434.2	434.0	434.2	434.2	434.2	434.2	434.2	434.2
U S Picketed Leads	434.2	434.2	434.0	434.2	434.2	434.2	434.2	434.2	434.2
D S Picketed Leads	434.2	434.2	434.0	434.2	434.2	434.2	434.2	434.2	434.2
Collection Channels									
South Pwrh SG4	342.5	340.7	341.2	341.9	341.9	342.3	342.9	343.4	340.4
North Pwrh SG2	342.5	340.3	341.0	341.8	341.7	340.9	342.5	342.8	339.9
North Shore SG30	341.6	340.6	341.0	341.6	341.7	341.5	342.3	342.3	340.8
Tailwater									
South Pwrh SG3	341.1	339.4	339.7	340.1	340.6	340.0	341.1	341.7	338.8
North Pwrh SG1	340.9	338.9	339.3	340.0	340.6	339.8	340.9	341.2	338.5
North Shore SG29	340.0	339.2	339.5	340.0	340.5	340.0	341.2	341.1	338.8
Entrance Weirs									
SFE 1	332.3	332.3	332.3	332.3	332.3	332.3	332.3	333.3	332.3
NFE 2	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
DIFFERENTIALS/DEPTHS:									
South Fish Ladder									
Ladder Exit	0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ladder Weirs	1.2	1.3	1.2	1.3	1.2	1.3	1.2	1.2	1.2
Counting Station	0.2	0.2	0.2	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	-0.1	0.2	0.0	-0.1	0.0
Ladder Weirs	1.2	1.2	1.0	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
Collection Channels									
South Shore	1.4	1.3	1.5	1.8	1.3	2.3	1.8	1.7	1.6
North Powerhouse	1.6	1.4	1.7	1.8	1.1	1.1	1.6	1.6	1.4
North Shore	1.6	1.4	1.5	1.6	1.2	1.5	1.1	1.2	2.0
Weir Depths									
SFE 1	8.8	7.1	7.4	7.8	8.3	7.7	8.8	8.4	6.5
NFE 2	8.6	6.6	7.0	7.7	8.3	7.5	8.6	8.9	6.2
NSE 1	7.7	6.9	7.2	7.7	8.2	7.7	8.9	8.8	6.5
CRITERIA POINTS:									
Channel Velocities	YES	YES	YES	YES	YES	YES	YES	YES	YES
Differentials									
South Fish Ladder									
Ladder Exit	YES	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	YES	YES	YES	YES	YES	YES	YES	YES	YES
Counting Station	YES	YES	YES	YES	YES	YES	YES	YES	YES
North Fish Ladder									
Ladder Exit	YES	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	YES	YES	YES	YES	YES	YES	YES	YES	YES

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

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

	(Output = 0, 1, or NA)								
CRITERIA POINTS: NO									
Channel Velocities	0	0	0	0	0	0	0	0	0
Differentials									
South Fish Ladder									
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 Fish Ladder									
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
Collection Channels									
South Shore	0	0	0	0	0	1	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
Weir Depths									
SFE 1	0	0	0	0	0	0	0	0	0
NFE 2	0	0	0	0	0	0	0	0	0
NSE 1	0	0	0	0	0	0	0	0	0

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

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.								
South Ladder Differentials (0.11 - 0.2 too low)									
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 too low)									
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 too high)									
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
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
Counting Station	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
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 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 too low)									
Ladder Exit	Not applicable.								
Ladder Weirs	0	0	0	0	0	0	0	0	0
Counting Station	Not applicable.								
North Ladder Differentials (0.01 - 0.1 too low)									
Ladder Exit	Not applicable.								
Ladder Weirs	0	0	0	0	0	0	0	0	0
Counting Station	Not applicable.								
North Ladder Differentials (0.01 - 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
Counting Station	0	0	0	0	0	0	0	0	0
North Ladder Differentials (0.11 - 0.2 too high)									
Ladder Exit	0	0	0	0	0	0	0	0	0
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 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
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
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
North Shore	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
North Powerhouse	0	0	0	0	0	0	0	0	0
North Shore	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
North Powerhouse	0	0	0	0	0	0	0	0	0
North Shore	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
North Powerhouse	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (>2.20)									
South Shore	0	0	0	0	0	1	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
Entrance Weir Depths (more than 0.2 too low)									
SFE 1 (<7.80)	0	0	0	0	0	0	0	0	0
NFE 2 (<7.80)	0	0	0	0	0	0	0	0	0
NSE 1 (<7.80)	0	0	0	0	0	0	0	0	0
Entrance Weir Depths (0.11 - 0.2 too low)									
SFE 1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0
NFE 2 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0
NSE 1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0
Entrance Weir Depths (0.01 - 0.1 too low)									
SFE 1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0
NFE 2 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0
NSE 1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0

DATES:	30-Dec
CHANNEL VELOCITIES	
IN SOUTH FISHWAY:	2.7

ELEVATIONS:

South Fish Ladder	
Forebay	438.7
Exit Pool	438.7
Makeup Diffuser	434.2
U S Picketed Leads	381.2
D S Picketed Leads	381.1
North Fish Ladder	
Forebay	438.8
Exit Pool	438.8
Makeup Diffuser	434.2
U S Picketed Leads	434.2
D S Picketed Leads	434.2
Collection Channels	
South Pwrh SG4	339.9
North Pwrh SG2	339.8
North Shore SG30	341.0
Tailwater	
South Pwrh SG3	338.6
North Pwrh SG1	338.4
North Shore SG29	339.6
Entrance Weirs	
SFE 1	332.3
NFE 2	332.3
NSE 1	332.3

DIFFERENTIALS/DEPTHS:

South Fish Ladder	
Ladder Exit	0.0
Ladder Weirs	1.2
Counting Station	0.1
North Fish Ladder	
Ladder Exit	0.0
Ladder Weirs	1.2
Counting Station	0.0
Collection Channels	
South Shore	1.3
North Powerhouse	1.4
North Shore	1.4
Weir Depths	
SFE 1	6.3
NFE 2	6.1
NSE 1	7.3

CRITERIA POINTS:

Channel Velocities	YES
Differentials	
South Fish Ladder	
Ladder Exit	YES
Ladder Weirs	YES
Counting Station	YES
North Fish Ladder	
Ladder Exit	YES
Ladder Weirs	YES

Counting Station	YES
Collection Channels	
South Shore	YES
North Powerhouse	YES
North Shore	YES
Weir Depths	
SFE 1	SILL
NFE 2	SILL
NSE 1	SILL

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

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

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

South Ladder Differentials (more than 0.2 too low)
Ladder Exit	Not applicable.
Ladder Weirs	0
Counting Station	Not applicable.

South Ladder Differentials (0.11 - 0.2 too low)
Ladder Exit	Not applicable.
Ladder Weirs	0
Counting Station	Not applicable.

South Ladder Differentials (0.01 - 0.1 too low)
Ladder Exit	Not applicable.
Ladder Weirs	0
Counting Station	Not applicable.

South Ladder Differentials (0.01 - 0.1 too high)
Ladder Exit	0
Ladder Weirs	0
Counting Station	0

South Ladder Differentials (0.11 - 0.2 too high)
Ladder Exit	0
Ladder Weirs	0
Counting Station	0

South Ladder Differentials (more than 0.2 too high)
Ladder Exit	0
Ladder Weirs	0
Counting Station	0

North Ladder Differentials (more than 0.2 too low)
Ladder Exit	Not applicable.
Ladder Weirs	0
Counting Station	Not applicable.

North Ladder Differentials (0.11 - 0.2 too low)
Ladder Exit	Not applicable.
Ladder Weirs	0
Counting Station	Not applicable.

North Ladder Differentials (0.01 - 0.1 too low)
Ladder Exit	Not applicable.
Ladder Weirs	0
Counting Station	Not applicable.

North Ladder Differentials (0.01 - 0.1 too high)
Ladder Exit	0
Ladder Weirs	0
Counting Station	0

North Ladder Differentials (0.11 - 0.2 too high)
Ladder Exit	0
Ladder Weirs	0
Counting Station	0

North Ladder Differentials (more than 0.2 too high)
Ladder Exit	0
Ladder Weirs	0
Counting Station	0

Channel/Tailwater Differentials (<0.80)
South Shore	0
North Powerhouse	0
North Shore	0

Channel/Tailwater Differentials (0.80 - 0.89)
South Shore	0
North Powerhouse	0
North Shore	0

Channel/Tailwater Differentials (0.90 - 0.99):

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

CRITERIA POINTS: YES			# of YES	% YES	Total No. of Inspections
Channel Velocities	0	0	104	80.0%	130
Differentials					
South Fish Ladder					
Ladder Exit	0	0	131	100.0%	131
Ladder Weirs	0	0	131	100.0%	131
Counting Station	0	0	131	100.0%	131
North Fish Ladder					
Ladder Exit	0	0	131	100.0%	131
Ladder Weirs	0	0	131	100.0%	131
Counting Station	0	0	131	100.0%	131
Collection Channels					
South Shore	0	0	123	93.9%	131
North Powerhouse	0	0	127	96.9%	131
North Shore	0	0	123	93.9%	131
Weir Depths					
SFE 1	0	0	62	47.3%	131
NFE 2	0	0	54	41.2%	131
NSE 1	0	0	56	42.7%	131

CRITERIA POINTS: NO			# of NO	% NO	
Channel Velocities	0	0	26	20.0%	
Differentials					
South Fish Ladder					
Ladder Exit	0	0	0	0.0%	
Ladder Weirs	0	0	0	0.0%	
Counting Station	0	0	0	0.0%	
North Fish Ladder					
Ladder Exit	0	0	0	0.0%	
Ladder Weirs	0	0	0	0.0%	
Counting Station	0	0	0	0.0%	
Collection Channels					
South Shore	0	0	8	6.1%	
North Powerhouse	0	0	4	3.1%	
North Shore	0	0	8	6.1%	
Weir Depths					
SFE 1	0	0	1	0.8%	
NFE 2	0	0	15	11.5%	
NSE 1	0	0	6	4.6%	

CRITERIA POINTS: SILL			# of SILL	% SILL
Weir Depths				
SFE 1	0	0	68	51.9%
NFE 2	0	0	62	47.3%
NSE 1	0	0	69	52.7%

South Ladder Differentials (more than 0.2 too low)		South Ladder Differentials (more than 0.2 too low)	
Ladder Exit		Ladder Exit	
Ladder Weirs		Ladder Weirs	0
Counting Station		Counting Station	
South Ladder Differentials (0.11 - 0.2 too low)		South Ladder Differentials (0.11 - 0.2 too low)	
Ladder Exit		Ladder Exit	
Ladder Weirs		Ladder Weirs	0
Counting Station		Counting Station	
South Ladder Differentials (0.01 - 0.1 too low)		South Ladder Differentials (0.01 - 0.1 too low)	

Ladder Exit		Ladder Exit	
Ladder Weirs	🟩	Ladder Weirs	🟩 0
Counting Station		Counting Station	
South Ladder Differentials (0.01 - 0.1 too high)		**South Ladder Differentials (0.01 - 0.1 too high)**	
Ladder Exit	🟩	Ladder Exit	🟩 0
Ladder Weirs		Ladder Weirs	0
Counting Station		Counting Station	0
South Ladder Differentials (0.11 - 0.2 too high)		**South Ladder Differentials (0.11 - 0.2 too high)**	
Ladder Exit	🟩	Ladder Exit	🟩 0
Ladder Weirs		Ladder Weirs	0
Counting Station		Counting Station	0
South Ladder Differentials (more than 0.2 too high)		**South Ladder Differentials (more than 0.2 too high)**	
Ladder Exit	🟩	Ladder Exit	🟩 0
Ladder Weirs		Ladder Weirs	0
Counting Station		Counting Station	0
North Ladder Differentials (more than 0.2 too low)		**North Ladder Differentials (more than 0.2 too low)**	
Ladder Exit		Ladder Exit	
Ladder Weirs	🟩	Ladder Weirs	🟩 0
Counting Station		Counting Station	
North Ladder Differentials (0.11 - 0.2 too low)		**North Ladder Differentials (0.11 - 0.2 too low)**	
Ladder Exit		Ladder Exit	
Ladder Weirs	🟩	Ladder Weirs	🟩 0
Counting Station		Counting Station	
North Ladder Differentials (0.01 - 0.1 too low)		**North Ladder Differentials (0.01 - 0.1 too low)**	
Ladder Exit		Ladder Exit	
Ladder Weirs	🟩	Ladder Weirs	🟩 0
Counting Station		Counting Station	
North Ladder Differentials (0.01 - 0.1 too high)		**North Ladder Differentials (0.01 - 0.1 too high)**	
Ladder Exit	🟩	Ladder Exit	🟩 0
Ladder Weirs		Ladder Weirs	0
Counting Station		Counting Station	0
North Ladder Differentials (0.11 - 0.2 too high)		**North Ladder Differentials (0.11 - 0.2 too high)**	
Ladder Exit	🟩	Ladder Exit	🟩 0
Ladder Weirs		Ladder Weirs	0
Counting Station		Counting Station	0
North Ladder Differentials (more than 0.2 too high)		**North Ladder Differentials (more than 0.2 too high)**	
Ladder Exit	🟩	Ladder Exit	🟩 0
Ladder Weirs		Ladder Weirs	0
Counting Station		Counting Station	0
Channel/Tailwater Differentials (<0.80)		**Channel/Tailwater Differentials (<0.80)**	
South Shore	🟨	South Shore	🟨 1
North Powerhouse		North Powerhouse	1
North Shore		North Shore	2
Channel/Tailwater Differentials (0.80 - 0.89)		**Channel/Tailwater Differentials (0.80 - 0.89)**	
South Shore	🟨	South Shore	🟨 1
North Powerhouse		North Powerhouse	0
North Shore		North Shore	1
Channel/Tailwater Differentials (0.90 - 0.99):		**Channel/Tailwater Differentials (0.90 - 0.99):**	
South Shore	🟨	South Shore	🟨 0
North Powerhouse		North Powerhouse	0
North Shore		North Shore	0

Channel/Tailwater Differentials (2.01 - 2.10)

   South Shore

   North Powerhouse

   North Shore

Channel/Tailwater Differentials (2.11 - 2.20)

   South Shore

   North Powerhouse

   North Shore

Channel/Tailwater Differentials (>2.20)

   South Shore

   North Powerhouse

   North Shore

Entrance Weir Depths (more than 0.2 too low)

   SFE 1 (<7.80)

   NFE 2 (<7.80)

   NSE 1 (<7.80)

Entrance Weir Depths (0.11 - 0.2 too low)

   SFE 1 (7.80 - 7.89)

   NFE 2 (7.80 - 7.89)

   NSE 1 (7.80 - 7.89)

Entrance Weir Depths (0.01 - 0.1 too low)

   SFE 1 (7.90 - 7.99)

   NFE 2 (7.90 - 7.99)

   NSE 1 (7.90 - 7.99)

Channel/Tailwater Differentials (2.01 - 2.10)

   South Shore   0

   North Powerhouse   1

   North Shore   1

Channel/Tailwater Differentials (2.11 - 2.20)

   South Shore   2

   North Powerhouse   1

   North Shore   2

Channel/Tailwater Differentials (>2.20)

   South Shore   4

   North Powerhouse   1

   North Shore   2

Entrance Weir Depths (more than 0.2 too low)

   SFE 1 (<7.80)   0

   NFE 2 (<7.80)   8

   NSE 1 (<7.80)   6

Entrance Weir Depths (0.11 - 0.2 too low)

   SFE 1 (7.80 - 7.89)   0

   NFE 2 (7.80 - 7.89)   1

   NSE 1 (7.80 - 7.89)   0

Entrance Weir Depths (0.01 - 0.1 too low)

   SFE 1 (7.90 - 7.99)   1

   NFE 2 (7.90 - 7.99)   6

   NSE 1 (7.90 - 7.99)   0

Columns in Table	This table automatically calculates all results. Just copy the data (only) into the Word file table.				
1	2	3	4	5	6
ICE HARBOR				----------Not Enough Depth----------	
Criteria and Locations	**No. in Criteria/ No. on Sill/ No. of Inspections**	**% In Criteria/ % On Sill**	**No./% Within 0.01-0.1 Foot**	**No./% Within 0.11-0.2 Foot**	**No./% >0.2 Foot**
Channel Velocities	104	80.0	***	***	***
	***	***	***	***	***
	130				
Differentials					
South Fish Ladder					
Ladder Exit	131	100.0	***	***	***
	***	***	***	***	***
	131				
Ladder Weirs	131	100.0	0	0	0
	***	***	0.0	0.0	0.0
	131				
Counting Station	131	100.0	***	***	***
	***	***	***	***	***
	131				
North Fish Ladder					
Ladder Exit	131	100.0	***	***	***
	***	***	***	***	***
	131				
Ladder Weirs	131	100.0	0	0	0
	***	***	0.0	0.0	0.0
	131				
Counting Station		0.0	***	***	***
	***	***	***	***	***
	131				
Collection Channels					
South Shore	123	93.9	0	1	1
	***	***	0.0	0.8	0.8
	131				
North Powerhouse	127	96.9	0	0	1
	***	***	0.0	0.0	0.8
	131				
North Shore	123	93.9	0	1	2
	***	***	0.0	0.8	1.5
	131				
Weir Depths					
SFE 1	62	47.3	1	6	0
	68	51.9	0.8	4.6	0.0
	131				
NFE 2	54	41.2	0	1	0
	62	47.3	0.0	0.8	0.0
	131				
NSE 1	56	42.7	0	8	6
	69	52.7	0.0	6.1	4.6
	131				

7	8	9	Rows in Table
	----------Too Much Depth----------		1
No./% Within 0.01-0.1 Foot	No./% Within 0.11-0.2 Foot	No./% >0.2 Foot	2
			3
			4
			5
			6
***	***	***	7
***	***	***	8
			9
			10
			11
0	0	0	12
0.0	0.0	0.0	13
			14
0	0	0	15
0.0	0.0	0.0	16
			17
0	0	0	18
0.0	0.0	0.0	19
			20
			21
0	0	0	22
0.0	0.0	0.0	23
			24
0	0	0	25
0.0	0.0	0.0	26
			27
0	0	0	28
0.0	0.0	0.0	29
			30
			31
0	2	4	32
0.0	1.5	3.1	33
			34
1	1	1	35
0.8	0.8	0.8	36
			37
1	2	2	38
0.8	1.5	1.5	39
			40
			41
***	***	***	42
***	***	***	43
			44
***	***	***	45
***	***	***	46
			47
***	***	***	48
***	***	***	49
			50