APPENDIX 1. ICE HARBOR ADULT FISHWAY INSPECTIONS   2021

DATES:	1-Mar	3-Mar	4-Mar	10-Mar	11-Mar	16-Mar	17-Mar	18-Mar	22-Mar	25-Mar
CHANNEL VELOCITIES										
IN SOUTH FISHWAY:	2.1	2.0	1.8	1.6	1.3	2.0	2.2	2.2	2.1	2.2
ELEVATIONS:										
South Fish Ladder										
Forebay	439.0	438.8	439.0	439.1	439.1	439.1	439.2	438.7	439.0	439.1
Exit Pool	439.0	438.8	439.0	439.0	439.1	439.1	439.2	438.7	439.0	439.0
Makeup Diffuser	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2
U S Picketed Leads	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.2
D S Picketed Leads	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.2
North Fish Ladder										
Forebay	439.2	438.7	439.0	439.0	439.0	439.0	439.2	438.7	439.0	439.0
Exit Pool	439.2	438.6	439.0	439.0	439.0	439.0	439.2	438.7	439.0	439.0
Makeup Diffuser	434.2	434.2	434.2	434.2	434.2	434.1	434.1	434.1	434.1	434.2
U S Picketed Leads	434.2	434.2	434.2	434.2	434.2	434.1	434.2	434.1	434.1	434.2
D S Picketed Leads	434.2	434.2	434.2	434.2	434.2	434.1	434.1	434.1	434.1	434.2
Collection Channels										
South Pwrh SG4	342.4	342.2	341.9	343.2	342.3	342.4	341.9	343.8	343.8	341.9
North Pwrh SG2	342.5	341.8	341.8	342.9	342.4	341.9	341.5	343.3	343.7	341.5
North Shore SG30	342.1	342.0	342.0	342.8	342.2	342.3	342.0	343.6	343.4	341.6
Tailwater										
South Pwrh SG3	341.1	340.6	340.5	341.6	340.8	340.9	340.5	342.1	342.2	340.2
North Pwrh SG1	341.1	340.7	340.2	341.2	340.6	340.9	340.4	342.0	342.3	340.0
North Shore SG29	341.0	340.8	340.7	341.7	341.0	341.0	340.7	341.6	342.3	340.2
Entrance Weirs										
SFE 1	332.3	332.3	332.3	333.4	332.3	332.7	332.3	334.2	334.2	332.3
NFE 2	332.3	332.3	332.3	332.3	332.3	332.8	332.3	333.1	334.2	332.3
NSE 1	332.3	332.3	332.3	332.3	332.3	332.3	332.3	333.1	332.3	332.3
DIFFERENTIALS/DEPTHS:										
South Fish Ladder										
Ladder Exit	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1
Ladder Weirs	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Counting Station	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
North Fish Ladder										
Ladder Exit	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ladder Weirs	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.2
Counting Station	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Collection Channels										
South Shore	1.3	1.6	1.4	1.6	1.5	1.5	1.4	1.7	1.6	1.7
North Powerhouse	1.4	1.1	1.6	1.7	1.8	1.0	1.1	1.3	1.4	1.5
North Shore	1.1	1.2	1.3	1.1	1.2	1.3	1.3	2.0	1.1	1.4
Weir Depths										
SFE 1	8.8	8.3	8.2	8.2	8.5	8.2	8.2	7.9	8.0	7.9
NFE 2	8.8	8.4	7.9	8.9	8.3	8.1	8.1	8.9	8.1	7.7
NSE 1	8.7	8.5	8.4	9.4	8.7	8.7	8.4	8.5	10.0	7.9
CRITERIA POINTS:										
Channel Velocities	YES	YES	YES	YES	NO	YES	YES	YES	YES	YES
Differentials										
South Fish Ladder										
Ladder Exit	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Counting Station	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

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

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

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

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

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

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

DATES:	29-Mar	31-Mar	1-Apr	5-Apr	6-Apr	7-Apr	12-Apr	13-Apr	14-Apr	20-Apr
CHANNEL VELOCITIES IN SOUTH FISHWAY:	1.8	2.2	2.0	2.7	1.4	2.2	2.6	2.0	2.5	2.2
ELEVATIONS:										
South Fish Ladder										
Forebay	438.5	438.6	437.7	438.1	437.7	438.1	438.2	438.0	437.6	438.0
Exit Pool	438.4	438.5	437.6	438.1	437.7	438.1	438.2	438.8	437.6	438.0
Makeup Diffuser	434.2	434.3	434.3	434.2	434.2	434.2	434.2	434.2	434.2	434.2
U S Picketed Leads	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.3	381.3
D S Picketed Leads	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.2
North Fish Ladder										
Forebay	438.5	438.6	437.6	438.1	437.7	438.1	438.1	437.9	437.6	438.0
Exit Pool	438.5	438.7	437.6	438.1	437.7	438.1	438.1	437.9	437.6	438.0
Makeup Diffuser	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2
U S Picketed Leads	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2
D S Picketed Leads	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2
Collection Channels										
South Pwrh SG4	342.2	344.0	345.2	343.3	344.2	344.0	343.2	342.6	341.6	343.0
North Pwrh SG2	341.5	343.5	344.7	342.8	343.7	343.4	342.7	342.9	342.2	342.5
North Shore SG30	342.5	343.1	343.3	341.0	341.0	341.5	340.7	340.0	340.3	340.8
Tailwater										
South Pwrh SG3	340.5	342.2	343.3	341.6	342.5	342.2	341.3	341.4	340.5	341.2
North Pwrh SG1	340.5	342.2	343.5	341.6	342.4	341.8	341.3	341.4	340.4	341.1
North Shore SG29	341.4	342.2	342.8	339.1	339.5	340.0	339.0	338.4	337.5	339.1
Entrance Weirs										
SFE 1	332.3	334.3	335.4	333.5	334.4	334.0	333.0	333.5	332.5	333.2
NFE 2	332.3	333.0	335.3	333.6	333.6	333.6	333.6	333.4	333.3	332.3
NSE 1	332.3	332.3	332.3	332.5	332.3	332.3	332.3	332.3	332.3	332.3
DIFFERENTIALS/DEPTHS:										
South Fish Ladder										
Ladder Exit	0.1	0.1	0.1	0.0	0.0	0.0	0.0	-0.8	0.0	0.0
Ladder Weirs	1.2	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Counting Station	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
North Fish Ladder										
Ladder Exit	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ladder Weirs	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Counting Station	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Collection Channels										
South Shore	1.7	1.8	1.9	1.7	1.7	1.8	1.9	1.2	1.1	1.8
North Powerhouse	1.0	1.3	1.2	1.2	1.3	1.6	1.4	1.5	1.8	1.4
North Shore	1.1	0.9	0.5	1.9	1.5	1.5	1.7	1.6	2.8	1.7
Weir Depths										
SFE 1	8.2	7.9	7.9	8.1	8.1	8.2	8.3	7.9	8.0	8.0
NFE 2	8.2	9.2	8.2	8.0	8.8	8.2	7.7	8.0	7.1	8.8
NSE 1	9.1	9.9	10.5	6.6	7.2	7.7	6.7	6.1	5.2	6.8
CRITERIA POINTS:										
Channel Velocities	YES	YES	YES	YES	NO	YES	YES	YES	YES	YES
Differentials										
South Fish Ladder										
Ladder Exit	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Counting Station	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

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

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

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

	(Output = 0, 1, or 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	0	0	0	0	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	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	1	0	0	0	0	0	0	0	0

Channel/Tailwater Differentials (2.01 - 2.10)

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

Channel/Tailwater Differentials (2.11 - 2.20)

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

Channel/Tailwater Differentials (>2.20)

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

Entrance Weir Depths (more than 0.2 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	1	0	1	0
NSE 1 (<7.80)	0	0	0	1	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	1	1	0	0	0	0	1	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:	22-Apr	26-Apr	27-Apr	28-Apr	3-May	4-May	5-May	10-May	12-May	13-May
CHANNEL VELOCITIES										
IN SOUTH FISHWAY:	2.4	2.2	2.2	2.6	1.7	2.4	2.3	2.4	2.2	2.2
ELEVATIONS:										
South Fish Ladder										
Forebay	438.0	438.1	437.7	438.0	438.0	438.3	437.8	438.2	438.4	438.3
Exit Pool	438.0	438.1	437.7	438.0	438.0	438.3	437.8	438.2	438.4	438.3
Makeup Diffuser	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.3	434.3	434.3
U S Picketed Leads	381.3	381.4	381.4	381.4	381.3	381.3	381.3	381.5	381.3	381.3
D S Picketed Leads	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.2
North Fish Ladder										
Forebay	438.0	438.1	437.7	438.0	438.0	438.2	437.7	438.2	438.3	438.2
Exit Pool	438.0	438.1	437.7	438.0	438.0	438.2	437.6	438.2	438.3	438.2
Makeup Diffuser	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2
U S Picketed Leads	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2
D S Picketed Leads	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2
Collection Channels										
South Pwrh SG4	343.2	343.4	343.9	342.2	345.2	345.1	344.4	344.4	343.5	343.7
North Pwrh SG2	342.2	342.7	343.4	341.5	344.2	344.9	343.7	343.7	343.2	343.2
North Shore SG30	340.9	341.2	342.3	341.4	342.9	343.9	341.6	341.5	341.2	342.7
Tailwater										
South Pwrh SG3	341.2	341.4	342.1	340.3	343.2	343.7	342.6	342.4	341.8	341.8
North Pwrh SG1	341.0	341.4	341.7	340.2	343.2	343.4	342.6	342.5	342.1	341.9
North Shore SG29	339.4	340.2	341.2	339.6	341.7	342.8	340.2	340.5	340.2	340.7
Entrance Weirs										
SFE 1	333.1	333.3	334.0	332.3	335.1	335.4	334.5	334.1	333.6	333.6
NFE 2	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
NSE 1	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
DIFFERENTIALS/DEPTHS:										
South Fish Ladder										
Ladder Exit	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ladder Weirs	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.3
Counting Station	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.3	0.1	0.1
North Fish Ladder										
Ladder Exit	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Ladder Weirs	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Counting Station	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Collection Channels										
South Shore	2.0	2.0	1.8	1.9	2.0	1.4	1.8	2.0	1.7	1.9
North Powerhouse	1.2	1.3	1.7	1.3	1.0	1.5	1.1	1.2	1.1	1.3
North Shore	1.5	1.0	1.1	1.8	1.2	1.1	1.4	1.0	1.0	2.0
Weir Depths										
SFE 1	8.1	8.1	8.1	8.0	8.1	8.3	8.1	8.3	8.2	8.2
NFE 2	8.7	9.1	9.4	7.9	10.9	11.1	10.3	10.2	9.8	9.6
NSE 1	7.1	7.9	8.9	7.3	9.4	10.5	7.9	8.2	7.9	8.4
CRITERIA POINTS:										
Channel Velocities	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Differentials										
South Fish Ladder										
Ladder Exit	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Counting Station	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

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

	(Output = 0, 1, or 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	0	0	0	0	0	0	0	0
Weir Depths										
SFE 1	0	0	0	0	0	0	0	0	0	0
NFE 2	0	0	0	0	0	0	0	0	0	0
NSE 1	0	0	0	0	0	0	0	0	0	0

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

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

South Ladder Differentials (more than 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	1	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	0	0	0	0	0	0
NSE 1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0

DATES:	17-May	19-May	20-May	25-May	26-May	31-May	1-Jun	2-Jun	8-Jun	9-Jun
CHANNEL VELOCITIES IN SOUTH FISHWAY:	1.8	1.9	1.7	2.7	2.2	1.7	1.6	2.1	2.0	2.3
ELEVATIONS:										
South Fish Ladder										
Forebay	438.3	438.2	438.2	438.0	438.2	438.2	438.0	438.3	438.1	438.2
Exit Pool	438.3	438.2	438.2	438.0	438.2	438.2	438.0	438.3	438.1	438.2
Makeup Diffuser	434.2	434.3	434.2	434.2	434.3	434.2	434.2	434.2	434.3	434.3
U S Picketed Leads	381.2	381.3	381.2	381.2	381.3	381.2	381.3	381.3	381.2	381.2
D S Picketed Leads	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.2
North Fish Ladder										
Forebay	438.3	438.2	438.3	437.9	438.2	438.2	438.0	438.3	438.1	438.1
Exit Pool	438.3	438.1	438.2	437.9	438.2	438.2	438.0	438.3	438.0	438.1
Makeup Diffuser	434.2	434.2	434.2	434.1	434.2	434.2	434.2	434.2	434.2	434.2
U S Picketed Leads	434.2	434.2	434.3	434.2	434.2	434.2	434.2	434.2	434.2	434.2
D S Picketed Leads	434.2	434.2	434.2	434.1	434.2	434.2	434.2	434.2	434.2	434.2
Collection Channels										
South Pwrh SG4	345.9	346.4	345.5	344.1	343.0	343.7	344.0	344.6	343.0	343.6
North Pwrh SG2	345.4	345.5	344.9	343.5	343.2	343.2	343.6	343.9	343.2	343.5
North Shore SG30	344.0	343.2	343.0	342.6	341.3	341.5	341.5	343.3	341.9	341.5
Tailwater										
South Pwrh SG3	344.3	344.5	343.8	341.8	341.6	341.8	342.2	342.7	341.6	342.2
North Pwrh SG1	344.3	344.8	343.4	341.7	341.5	341.5	342.3	342.5	341.6	342.1
North Shore SG29	343.0	343.0	341.6	341.3	340.2	340.1	340.1	342.2	340.8	340.1
Entrance Weirs										
SFE 1	335.9	336.6	335.6	333.9	333.6	333.4	333.8	334.4	333.5	334.0
NFE 2	332.3	332.3	333.3	333.3	333.3	333.5	333.7	333.7	333.6	333.9
NSE 1	332.3	332.3	333.1	332.3	332.3	332.3	332.3	332.3	332.3	332.3
DIFFERENTIALS/DEPTHS:										
South Fish Ladder										
Ladder Exit	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ladder Weirs	1.2	1.3	1.2	1.2	1.3	1.2	1.2	1.2	1.3	1.3
Counting Station	0.0	0.1	0.0	0.0	0.1	0.0	0.1	0.1	0.0	0.0
North Fish Ladder										
Ladder Exit	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Ladder Weirs	1.2	1.2	1.2	1.1	1.2	1.2	1.2	1.2	1.2	1.2
Counting Station	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Collection Channels										
South Shore	1.6	1.9	1.7	2.3	1.4	1.9	1.8	1.9	1.4	1.4
North Powerhouse	1.1	0.7	1.5	1.8	1.7	1.7	1.3	1.4	1.6	1.4
North Shore	1.0	0.2	1.4	1.3	1.1	1.4	1.4	1.1	1.1	1.4
Weir Depths										
SFE 1	8.4	7.9	8.2	7.9	8.0	8.4	8.4	8.3	8.1	8.2
NFE 2	12.0	12.5	10.1	8.4	8.2	8.0	8.6	8.8	8.0	8.2
NSE 1	10.7	10.7	8.5	9.0	7.9	7.8	7.8	9.9	8.5	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	NO	YES	YES	YES	YES	YES	YES
North Powerhouse	YES	NO	YES	YES	YES	YES	YES	YES	YES	YES
North Shore	YES	NO	YES	YES	YES	YES	YES	YES	YES	YES
Weir Depths										
SFE 1	YES	NO	YES	NO	YES	YES	YES	YES	YES	YES
NFE 2	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
NSE 1	YES	YES	YES	YES	SILL	SILL	SILL	YES	YES	SILL

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

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

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

NSE 1	0	0	0	0	1	1	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	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	1	0	0	0	0	0	0	0	0
North Shore	0	1	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	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

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	1	0	1	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:	10-Jun	14-Jun	15-Jun	16-Jun	22-Jun	23-Jun	24-Jun	28-Jun	30-Jun	1-Jul
CHANNEL VELOCITIES IN SOUTH FISHWAY:	2.6	1.7	1.8	2.5	2.4	2.6	2.3	2.8	3.0	2.2
ELEVATIONS:										
South Fish Ladder										
Forebay	438.0	438.0	438.2	438.2	438.1	438.0	437.9	438.1	437.7	438.3
Exit Pool	438.0	438.0	438.2	438.1	438.1	438.0	437.9	438.0	437.6	438.3
Makeup Diffuser	434.3	434.2	434.2	434.3	434.2	434.3	434.3	434.3	434.2	434.2
U S Picketed Leads	381.2	381.2	381.2	381.3	381.2	381.2	381.1	381.2	381.2	381.2
D S Picketed Leads	381.1	381.2	381.2	381.2	381.2	381.2	181.1	381.2	381.2	381.2
North Fish Ladder										
Forebay	437.9	438.0	438.1	438.1	438.1	438.0	437.9	438.1	437.5	438.2
Exit Pool	437.9	438.0	438.1	438.1	438.1	438.0	437.9	438.1	437.5	438.2
Makeup Diffuser	434.2	434.2	434.2	434.2	434.3	434.3	434.3	434.2	434.0	434.2
U S Picketed Leads	434.2	434.2	434.2	434.2	434.3	434.3	434.3	434.2	434.0	434.2
D S Picketed Leads	434.2	434.2	434.2	434.2	434.3	434.3	434.3	434.2	434.0	434.2
Collection Channels										
South Pwrh SG4	343.0	342.5	343.5	343.2	342.5	343.0	342.5	341.5	341.7	342.6
North Pwrh SG2	342.6	342.7	343.2	343.0	342.0	342.4	342.0	341.3	341.5	342.6
North Shore SG30	342.6	342.5	342.3	341.1	341.4	341.0	341.9	341.5	341.0	342.6
Tailwater										
South Pwrh SG3	341.0	341.3	342.4	341.8	340.2	341.0	340.5	340.1	340.2	341.3
North Pwrh SG1	341.0	341.4	342.2	341.8	340.3	341.2	340.4	340.1	340.1	341.2
North Shore SG29	341.9	340.5	341.2	339.6	339.7	339.0	340.2	339.6	339.5	341.4
Entrance Weirs										
SFE 1	332.8	332.6	334.1	333.5	332.3	333.0	333.7	332.3	332.3	332.3
NFE 2	332.5	332.5	332.5	332.5	332.6	332.6	332.5	332.3	332.3	332.3
NSE 1	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
DIFFERENTIALS/DEPTHS:										
South Fish Ladder										
Ladder Exit	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.0
Ladder Weirs	1.3	1.2	1.2	1.3	1.2	1.3	1.3	1.3	1.2	1.2
Counting Station	0.1	0.0	0.0	0.1	0.0	0.0	200.0	0.0	0.0	0.0
North Fish Ladder										
Ladder Exit	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ladder Weirs	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.2	1.0	1.2
Counting Station	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Collection Channels										
South Shore	2.0	1.2	1.1	1.4	2.3	2.0	2.0	1.4	1.5	1.3
North Powerhouse	1.6	1.3	1.0	1.2	1.7	1.2	1.6	1.2	1.4	1.4
North Shore	0.7	2.0	1.1	1.5	1.7	2.0	1.7	1.9	1.5	1.2
Weir Depths										
SFE 1	8.2	8.7	8.3	8.3	7.9	8.0	6.8	7.8	7.9	9.0
NFE 2	8.5	8.9	9.7	9.3	7.7	8.6	7.9	7.8	7.8	8.9
NSE 1	9.6	8.2	8.9	7.3	7.4	6.7	7.9	7.3	7.2	9.1
CRITERIA POINTS:										
Channel Velocities	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Differentials										
South Fish Ladder										
Ladder Exit	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Counting Station	YES	YES	YES	YES	YES	YES	NO	YES	YES	YES

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

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

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

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

NSE 1	0	0	0	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	1	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	1	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	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	1	0	0	0
NFE 2 (<7.80)	0	0	0	0	1	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	1	0	0	0
NSE 1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0

DATES:	6-Jul	7-Jul	8-Jul	13-Jul	14-Jul	15-Jul	20-Jul	21-Jul	22-Jul	27-Jul
CHANNEL VELOCITIES IN SOUTH FISHWAY:	2.5	2.9	2.8	2.9	2.7	2.9	2.8	3.0	2.8	2.7
ELEVATIONS:										
South Fish Ladder										
Forebay	438.0	438.1	438.2	437.7	437.8	438.1	438.1	438.2	438.2	438.1
Exit Pool	438.0	438.1	438.1	437.7	437.8	438.1	438.1	438.1	438.2	438.1
Makeup Diffuser	434.2	434.3	434.2	434.2	434.2	434.2	434.2	434.3	434.2	434.2
U S Picketed Leads	381.2	381.3	381.2	381.2	381.2	381.2	381.4	381.3	381.1	381.2
D S Picketed Leads	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.3	381.2
North Fish Ladder										
Forebay	437.9	438.1	438.1	437.7	437.8	438.0	438.2	437.9	438.2	438.1
Exit Pool	437.9	438.2	438.0	437.7	437.8	438.1	438.2	438.0	438.2	438.1
Makeup Diffuser	434.2	434.2	434.1	434.1	434.1	434.2	434.2	434.2	434.3	434.2
U S Picketed Leads	434.2	434.2	434.2	434.2	434.1	434.2	434.2	434.2	434.3	434.2
D S Picketed Leads	434.2	434.2	434.1	434.1	434.1	434.2	434.2	434.2	434.3	434.2
Collection Channels										
South Pwrh SG4	341.8	341.8	342.0	341.4	341.8	341.8	342.2	341.7	341.7	341.3
North Pwrh SG2	341.6	341.8	341.5	340.5	341.7	340.8	341.7	341.0	341.1	340.5
North Shore SG30	341.9	341.5	341.2	340.3	340.9	340.8	341.2	341.1	341.2	340.3
Tailwater										
South Pwrh SG3	340.0	340.1	339.7	339.2	340.3	339.7	340.2	339.7	339.7	339.3
North Pwrh SG1	340.0	340.1	339.7	339.2	340.2	339.6	340.4	339.8	339.8	339.2
North Shore SG29	339.6	339.6	339.2	338.3	339.3	339.2	339.5	339.3	339.4	338.7
Entrance Weirs										
SFE 1	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.5	332.3
NFE 2	332.3	332.5	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
NSE 1	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
DIFFERENTIALS/DEPTHS:										
South Fish Ladder										
Ladder Exit	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Ladder Weirs	1.2	1.3	1.2	1.2	1.2	1.2	1.2	1.3	1.2	1.2
Counting Station	0.0	0.1	0.0	0.0	0.0	0.0	0.2	0.1	-0.2	0.0
North Fish Ladder										
Ladder Exit	0.0	-0.1	0.1	0.0	0.0	-0.1	0.0	-0.1	0.0	0.0
Ladder Weirs	1.2	1.2	1.1	1.1	1.1	1.2	1.2	1.2	1.3	1.2
Counting Station	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Collection Channels										
South Shore	1.8	1.7	2.3	2.2	1.5	2.1	2.0	2.0	2.0	2.0
North Powerhouse	1.6	1.7	1.8	1.3	1.5	1.2	1.3	1.2	1.3	1.3
North Shore	2.3	1.9	2.0	2.0	1.6	1.6	1.7	1.8	1.8	1.6
Weir Depths										
SFE 1	7.7	7.8	7.4	6.9	8.0	7.4	7.9	7.4	7.2	7.0
NFE 2	7.7	7.6	7.4	6.9	7.9	7.3	8.1	7.5	7.5	6.9
NSE 1	7.3	7.3	6.9	6.0	7.0	6.9	7.2	7.0	7.1	6.4
CRITERIA POINTS:										
Channel Velocities	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Differentials										
South Fish Ladder										
Ladder Exit	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Counting Station	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

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

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

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

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

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

South Ladder Differentials (more than 0.2 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	1	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0

Channel/Tailwater Differentials (>2.20)

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

Entrance Weir Depths (more than 0.2 too low)

SFE 1 (<7.80)	0	0	0	0	0	0	0	0	1	0
NFE 2 (<7.80)	0	1	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-Jul	29-Jul	2-Aug	3-Aug	4-Aug	9-Aug	10-Aug	12-Aug	17-Aug	18-Aug
CHANNEL VELOCITIES IN SOUTH FISHWAY:	3.0	2.8	2.5	3.0	2.8	---	2.7	2.8	2.8	2.9
ELEVATIONS:										
South Fish Ladder										
Forebay	438.0	438.2	438.1	438.3	438.0	438.0	438.2	438.2	438.4	438.9
Exit Pool	438.0	438.1	438.1	438.3	438.0	438.0	438.2	438.3	438.4	438.8
Makeup Diffuser	434.2	434.2	434.3	434.3	434.3	434.3	434.3	434.3	434.3	434.3
U S Picketed Leads	381.2	381.2	381.3	381.2	381.1	381.2	381.2	381.2	381.1	381.2
D S Picketed Leads	381.2	381.2	381.2	381.2	381.1	381.1	381.2	381.2	381.1	381.1
North Fish Ladder										
Forebay	437.9	438.1	438.1	438.2	438.0	437.9	438.1	438.1	438.4	438.9
Exit Pool	437.9	438.1	438.2	438.3	438.1	437.9	438.2	438.2	438.5	439.0
Makeup Diffuser	434.2	434.1	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.3
U S Picketed Leads	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.3
D S Picketed Leads	434.2	434.1	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.3
Collection Channels										
South Pwrh SG4	342.1	341.3	341.0	341.5	342.5	342.2	341.6	341.4	341.2	341.2
North Pwrh SG2	341.2	340.9	340.8	341.3	342.2	341.9	341.4	340.1	340.5	340.2
North Shore SG30	340.7	341.0	340.8	340.9	341.2	341.6	341.2	340.0	339.8	339.6
Tailwater										
South Pwrh SG3	339.7	339.3	339.2	339.5	340.5	340.2	340.2	339.5	339.1	338.8
North Pwrh SG1	339.6	339.7	339.1	339.4	340.4	340.2	340.2	338.9	339.0	338.7
North Shore SG29	339.1	338.2	338.8	338.7	339.0	339.4	338.9	339.1	338.7	339.3
Entrance Weirs										
SFE 1	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
NFE 2	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
NSE 1	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
DIFFERENTIALS/DEPTHS:										
South Fish Ladder										
Ladder Exit	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.1
Ladder Weirs	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Counting Station	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.1
North Fish Ladder										
Ladder Exit	0.0	0.0	-0.1	-0.1	-0.1	0.0	-0.1	-0.1	-0.1	-0.1
Ladder Weirs	1.2	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3
Counting Station	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Collection Channels										
South Shore	2.4	2.0	1.8	2.0	2.0	2.0	1.4	1.9	2.1	2.4
North Powerhouse	1.6	1.2	1.7	1.9	1.8	1.7	1.2	1.2	1.5	1.5
North Shore	1.6	2.8	2.0	2.2	2.2	2.2	2.3	0.9	1.1	0.3
Weir Depths										
SFE 1	7.4	7.0	6.9	7.2	8.2	7.9	7.9	7.2	6.8	6.5
NFE 2	7.3	7.4	6.8	7.1	8.1	7.9	7.9	6.6	6.7	6.4
NSE 1	6.8	5.9	6.5	6.4	6.7	7.1	6.6	6.8	6.4	7.0
CRITERIA POINTS:										
Channel Velocities	YES	YES	YES	YES	YES	NO	YES	YES	YES	YES
Differentials										
South Fish Ladder										
Ladder Exit	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Counting Station	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

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

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

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

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

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	1

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	1	0	0

Channel/Tailwater Differentials (2.01 - 2.10)

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

Channel/Tailwater Differentials (2.11 - 2.20)

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

Channel/Tailwater Differentials (>2.20)

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

Entrance Weir Depths (more than 0.2 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:	19-Aug	23-Aug	24-Aug	25-Aug	31-Aug	1-Sep	2-Sep	7-Sep	8-Sep	9-Sep
CHANNEL VELOCITIES										
IN SOUTH FISHWAY:	2.5	2.8	2.7	2.9	2.8	2.9	2.8	2.8	2.9	2.7
ELEVATIONS:										
South Fish Ladder										
Forebay	439.0	439.3	438.7	436.6	439.3	439.1	438.4	438.8	438.4	439.2
Exit Pool	439.0	439.3	438.6	436.6	439.3	439.1	438.4	438.8	438.4	439.2
Makeup Diffuser	434.3	434.3	434.3	434.3	434.3	434.3	434.3	434.3	434.3	434.3
U S Picketed Leads	381.3	381.1	381.1	381.2	381.3	381.1	381.3	381.2	381.2	381.3
D S Picketed Leads	381.2	381.1	381.1	381.2	381.2	381.3	381.1	381.1	381.1	381.2
North Fish Ladder										
Forebay	439.0	439.2	438.6	438.6	439.3	439.0	438.4	438.8	438.7	439.1
Exit Pool	439.1	439.2	438.6	438.6	439.3	439.0	438.4	438.8	438.7	439.1
Makeup Diffuser	434.2	434.3	434.3	434.2	434.3	434.3	434.3	434.3	434.3	434.3
U S Picketed Leads	434.3	434.3	434.3	434.2	434.3	434.3	434.3	434.3	434.3	434.3
D S Picketed Leads	434.2	434.3	434.3	434.2	434.3	434.3	434.3	434.3	434.3	434.3
Collection Channels										
South Pwrh SG4	341.7	340.8	341.7	341.2	341.4	341.8	341.8	342.0	341.7	341.5
North Pwrh SG2	341.0	339.9	341.5	340.3	340.8	341.5	341.4	341.4	431.3	341.1
North Shore SG30	340.3	340.0	340.6	339.2	339.2	340.0	341.1	341.7	341.2	341.1
Tailwater										
South Pwrh SG3	339.7	338.2	339.5	338.9	339.0	339.2	340.0	340.3	339.8	339.4
North Pwrh SG1	340.0	338.2	339.6	338.8	338.9	339.2	340.0	340.0	339.8	339.6
North Shore SG29	339.7	339.0	339.6	338.3	338.5	339.6	339.6	340.0	339.7	339.5
Entrance Weirs										
SFE 1	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
NFE 2	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
NSE 1	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
DIFFERENTIALS/DEPTHS:										
South Fish Ladder										
Ladder Exit	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ladder Weirs	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Counting Station	0.1	0.0	0.0	0.0	0.1	-0.2	0.2	0.1	0.1	0.1
North Fish Ladder										
Ladder Exit	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ladder Weirs	1.2	1.3	1.3	1.2	1.3	1.3	1.3	1.3	1.3	1.3
Counting Station	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Collection Channels										
South Shore	2.0	2.6	2.2	2.3	2.4	2.6	1.8	1.7	1.9	2.1
North Powerhouse	1.0	1.7	1.9	1.5	1.9	2.3	1.4	1.4	91.5	1.5
North Shore	0.6	1.0	1.0	0.9	0.7	0.4	1.5	1.7	1.5	1.6
Weir Depths										
SFE 1	7.4	5.9	7.2	6.6	6.7	6.9	7.7	8.0	7.5	7.1
NFE 2	7.7	5.9	7.3	6.5	6.6	6.9	7.7	7.7	7.5	7.3
NSE 1	7.4	6.7	7.3	6.0	6.2	7.3	7.3	7.7	7.4	7.2
CRITERIA POINTS:										
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

	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	NO	NO	NO	NO	NO	YES	YES	YES	NO
North Powerhouse	YES	YES	YES	YES	YES	NO	YES	YES	NO	YES
North Shore	NO	YES	YES	NO	NO	NO	YES	YES	YES	YES
Weir Depths										
SFE 1	SILL	SILL	SILL	SILL	SILL	SILL	SILL	YES	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	0	0	0	0	0	0	1	1	1	0
North Powerhouse	1	1	1	1	1	0	1	1	0	1
North Shore	0	1	1	0	0	0	1	1	1	1
Weir Depths										
SFE 1	0	0	0	0	0	0	0	1	0	0
NFE 2	0	0	0	0	0	0	0	0	0	0
NSE 1	0	0	0	0	0	0	0	0	0	0

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

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

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

South Ladder Differentials (more than 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	1	0	0	0	1	1	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	1	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	1	0	0	0	0	0	0	1
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0

Channel/Tailwater Differentials (>2.20)

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

Entrance Weir Depths (more than 0.2 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:	13-Sep	14-Sep	15-Sep	21-Sep	22-Sep	23-Sep	27-Sep	28-Sep	29-Sep	5-Oct
CHANNEL VELOCITIES IN SOUTH FISHWAY:	2.9	2.9	2.8	2.7	2.8	2.8	2.6	2.1	2.6	2.5
ELEVATIONS:										
South Fish Ladder										
Forebay	439.4	438.9	439.0	439.3	438.8	439.3	439.2	439.5	439.1	439.3
Exit Pool	439.4	438.9	439.0	439.3	438.8	439.3	439.2	439.4	439.1	439.3
Makeup Diffuser	434.3	434.3	434.3	434.3	434.3	434.3	434.3	434.3	434.3	434.3
U S Picketed Leads	381.4	381.3	381.2	381.3	381.2	381.1	381.2	381.2	381.2	381.2
D S Picketed Leads	381.1	381.2	381.1	381.2	381.1	381.1	381.1	381.1	381.1	381.1
North Fish Ladder										
Forebay	439.5	438.8	439.0	439.2	438.9	439.2	439.1	439.4	439.4	439.3
Exit Pool	439.5	438.8	439.0	439.2	438.9	439.2	439.1	439.4	439.4	439.3
Makeup Diffuser	433.7	433.7	433.8	434.2	434.3	434.3	434.3	434.2	434.2	434.2
U S Picketed Leads	434.0	434.0	434.0	434.3	434.3	434.3	434.3	434.3	434.3	434.3
D S Picketed Leads	433.7	433.7	433.8	434.2	434.3	434.3	434.3	434.2	434.2	434.2
Collection Channels										
South Pwrh SG4	342.1	342.1	341.5	341.7	341.9	341.6	341.9	341.8	341.7	341.5
North Pwrh SG2	341.5	341.7	340.7	340.1	341.0	341.1	341.3	341.5	341.2	341.0
North Shore SG30	341.2	341.1	340.9	340.9	340.9	341.0	341.3	341.8	341.6	341.1
Tailwater										
South Pwrh SG3	340.0	340.0	338.9	339.1	339.3	339.3	340.0	340.3	340.0	339.6
North Pwrh SG1	340.0	340.0	338.9	339.1	339.3	339.3	340.0	340.3	340.0	339.6
North Shore SG29	339.6	339.6	339.2	339.0	339.1	339.2	339.7	340.7	340.2	339.5
Entrance Weirs										
SFE 1	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
NFE 2	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
NSE 1	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
DIFFERENTIALS/DEPTHS:										
South Fish Ladder										
Ladder Exit	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Ladder Weirs	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Counting Station	0.3	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1
North Fish Ladder										
Ladder Exit	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ladder Weirs	0.7	0.7	0.8	1.2	1.3	1.3	1.3	1.2	1.2	1.2
Counting Station	0.3	0.3	0.2	0.1	0.0	0.0	0.0	0.1	0.1	0.1
Collection Channels										
South Shore	2.1	2.1	2.6	2.6	2.6	2.3	1.9	1.5	1.7	1.9
North Powerhouse	1.5	1.7	1.8	1.0	1.7	1.8	1.3	1.2	1.2	1.4
North Shore	1.6	1.5	1.7	1.9	1.8	1.8	1.6	1.1	1.4	1.6
Weir Depths										
SFE 1	7.7	7.7	6.6	6.8	7.0	7.0	7.7	8.0	7.7	7.3
NFE 2	7.7	7.7	6.6	6.8	7.0	7.0	7.7	8.0	7.7	7.3
NSE 1	7.3	7.3	6.9	6.7	6.8	6.9	7.4	8.4	7.9	7.2
CRITERIA POINTS:										
Channel Velocities	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Differentials										
South Fish Ladder										
Ladder Exit	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
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	NO	NO	NO	YES	YES	YES	YES	YES	YES	YES
Counting Station	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Collection Channels										
South Shore	NO	NO	NO	NO	NO	NO	YES	YES	YES	YES
North Powerhouse	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
North Shore	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Weir Depths										
SFE 1	SILL	SILL	SILL	SILL	SILL	SILL	SILL	YES	SILL	SILL
NFE 2	SILL	SILL	SILL	SILL	SILL	SILL	SILL	YES	SILL	SILL
NSE 1	SILL	SILL	SILL	SILL	SILL	SILL	SILL	YES	SILL	SILL

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

	(Output = 0, 1, or 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	1	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
Collection Channels										
South Shore	0	1	1	1	1	1	0	0	0	0
North Powerhouse	1	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Weir Depths										
SFE 1	0	0	0	0	0	0	0	0	0	0
NFE 2	0	0	0	0	0	0	0	0	0	0
NSE 1	0	0	0	0	0	0	0	0	0	0

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

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

South Ladder Differentials (more than 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	1	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	1	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0

Channel/Tailwater Differentials (>2.20)

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

Entrance Weir Depths (more than 0.2 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:	6-Oct	7-Oct	12-Oct	13-Oct	14-Oct	18-Oct	19-Oct	20-Oct	26-Oct	27-Oct
CHANNEL VELOCITIES IN SOUTH FISHWAY:	2.6	2.3	3.1	3.0	3.2	2.9	3.1	2.6	2.3	3.0
ELEVATIONS:										
South Fish Ladder										
Forebay	439.5	439.6	438.9	439.2	438.9	438.8	439.3	438.8	438.9	439.0
Exit Pool	439.5	439.5	438.9	439.2	438.9	438.8	439.2	438.8	438.9	439.0
Makeup Diffuser	434.3	434.3	434.3	434.3	434.3	434.3	434.3	434.3	434.3	434.3
U S Picketed Leads	381.2	381.3	381.2	381.3	381.2	381.2	381.5	381.2	381.4	381.3
D S Picketed Leads	381.1	381.2	381.1	381.1	381.1	381.1	381.2	381.1	381.2	381.1
North Fish Ladder										
Forebay	439.1	439.5	438.9	439.1	438.8	438.6	439.3	438.6	438.7	439.0
Exit Pool	439.1	439.5	438.9	439.1	438.8	438.6	439.4	438.6	438.8	439.1
Makeup Diffuser	434.2	434.3	434.2	434.2	434.2	434.2	434.2	434.3	434.2	434.2
U S Picketed Leads	434.3	434.3	434.3	434.3	434.3	434.3	434.3	434.3	434.3	434.3
D S Picketed Leads	434.2	434.3	434.2	434.2	434.2	434.2	434.2	434.3	434.2	434.2
Collection Channels										
South Pwrh SG4	341.2	342.4	340.5	340.5	340.5	341.4	341.2	341.0	341.6	340.9
North Pwrh SG2	340.9	341.7	339.6	339.2	339.7	340.7	341.0	340.2	341.3	340.1
North Shore SG30	341.0	341.6	340.3	339.4	339.8	340.9	341.3	341.1	341.0	340.5
Tailwater										
South Pwrh SG3	339.3	340.6	337.6	337.6	337.9	339.5	339.3	339.2	340.0	338.9
North Pwrh SG1	339.3	340.5	337.6	337.6	337.8	339.4	339.4	339.0	340.0	338.8
North Shore SG29	339.1	340.4	338.1	337.7	337.9	339.4	339.9	339.5	339.2	338.5
Entrance Weirs										
SFE 1	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
NFE 2	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
NSE 1	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
DIFFERENTIALS/DEPTHS:										
South Fish Ladder										
Ladder Exit	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Ladder Weirs	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Counting Station	0.1	0.1	0.1	0.2	0.1	0.1	0.3	0.1	0.2	0.2
North Fish Ladder										
Ladder Exit	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	-0.1	-0.1
Ladder Weirs	1.2	1.3	1.2	1.2	1.2	1.2	1.2	1.3	1.2	1.2
Counting Station	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1
Collection Channels										
South Shore	1.9	1.8	2.9	2.9	2.6	1.9	1.9	1.8	1.6	2.0
North Powerhouse	1.6	1.2	2.0	1.6	1.9	1.3	1.6	1.2	1.3	1.3
North Shore	1.9	1.2	2.2	1.7	1.9	1.5	1.4	1.6	1.8	2.0
Weir Depths										
SFE 1	7.0	8.3	5.3	5.3	5.6	7.2	7.0	6.9	7.7	6.6
NFE 2	7.0	8.2	5.3	5.3	5.5	7.1	7.1	6.7	7.7	6.5
NSE 1	6.8	8.1	5.8	5.4	5.6	7.1	7.6	7.2	6.9	6.2
CRITERIA POINTS:										
Channel Velocities	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Differentials										
South Fish Ladder										
Ladder Exit	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Counting Station	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

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

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

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

	(Output = 0, 1, or NA)									
CRITERIA POINTS: SILL										
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	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 (>2.20)

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

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-Oct	1-Nov	2-Nov	3-Nov	8-Nov	9-Nov	10-Nov	15-Nov	16-Nov	17-Nov
CHANNEL VELOCITIES										
IN SOUTH FISHWAY:	3.0	2.9	3.3	3.0	2.9	2.6	2.8	2.9	3.1	N/A
ELEVATIONS:										
South Fish Ladder										
Forebay	438.6	439.1	438.9	438.9	438.6	438.2	438.4	439.0	439.0	438.9
Exit Pool	438.6	439.1	438.8	438.9	438.5	438.2	438.4	439.0	439.0	438.9
Makeup Diffuser	434.3	434.3	434.3	434.3	434.3	434.3	434.3	434.2	434.3	434.3
U S Picketed Leads	381.3	381.4	381.3	381.3	381.3	381.3	381.3	381.3	381.3	381.3
D S Picketed Leads	381.2	381.3	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.2
North Fish Ladder										
Forebay	438.6	438.9	438.9	338.9	438.7	438.3	438.4	439.1	439.1	438.9
Exit Pool	438.6	439.0	439.0	339.0	438.7	438.3	438.5	439.2	439.2	439.0
Makeup Diffuser	434.2	434.2	434.3	434.2	434.2	434.2	434.2	434.2	434.2	434.2
U S Picketed Leads	434.3	434.3	434.3	434.2	434.2	434.2	434.2	434.2	434.2	434.2
D S Picketed Leads	434.2	434.2	434.3	434.2	434.2	434.2	434.2	434.2	434.2	434.2
Collection Channels										
South Pwrh SG4	341.0	341.8	340.9	340.8	341.2	341.3	341.3	341.8	341.5	341.7
North Pwrh SG2	340.5	241.4	340.3	340.2	340.5	340.8	340.8	341.4	341.2	341.3
North Shore SG30	340.6	341.5	340.5	341.0	340.7	341.4	341.2	341.7	341.5	341.6
Tailwater										
South Pwrh SG3	339.2	340.3	338.9	338.8	339.3	339.4	339.4	340.1	339.7	340.0
North Pwrh SG1	339.1	340.2	338.7	339.0	339.1	339.6	339.6	340.1	339.9	340.0
North Shore SG29	339.0	340.1	338.6	339.1	339.1	339.8	339.5	340.5	340.1	340.3
Entrance Weirs										
SFE 1	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
NFE 2	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
NSE 1	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
DIFFERENTIALS/DEPTHS:										
South Fish Ladder										
Ladder Exit	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Ladder Weirs	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.3	1.3
Counting Station	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
North Fish Ladder										
Ladder Exit	0.0	-0.1	-0.1	-0.1	0.0	0.0	-0.1	-0.1	-0.1	-0.1
Ladder Weirs	1.2	1.2	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Counting Station	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Collection Channels										
South Shore	1.8	1.5	2.0	2.0	1.9	1.9	1.9	1.7	1.8	1.7
North Powerhouse	1.4	-98.8	1.6	1.2	1.4	1.2	1.2	1.3	1.3	1.3
North Shore	1.6	1.4	1.9	1.9	1.6	1.6	1.7	1.2	1.4	1.3
Weir Depths										
SFE 1	6.9	8.0	6.6	6.5	7.0	7.1	7.1	7.8	7.4	7.7
NFE 2	6.8	7.9	6.4	6.7	6.8	7.3	7.3	7.8	7.6	7.7
NSE 1	6.7	7.8	6.3	6.8	6.8	7.5	7.2	8.2	7.8	8.0
CRITERIA POINTS:										
Channel Velocities	YES	YES	YES	YES	YES	YES	YES	YES	YES	NO
Differentials										
South Fish Ladder										
Ladder Exit	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
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	NO	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	YES	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	YES	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	0	1	1	1	1	1	1	1	1
North Shore	1	1	1	1	1	1	1	1	1	1
Weir Depths										
SFE 1	0	1	0	0	0	0	0	0	0	0
NFE 2	0	0	0	0	0	0	0	0	0	0
NSE 1	0	0	0	0	0	0	0	1	0	1

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

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

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

South Ladder Differentials (more than 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	1	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	0	0	0	0	0	0
NSE 1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0

DATES:	22-Nov	23-Nov	24-Nov	29-Nov	1-Dec	2-Dec	6-Dec	7-Dec	8-Dec	13-Dec
CHANNEL VELOCITIES										
IN SOUTH FISHWAY:	3.2	2.9	2.8	2.9	2.9	2.9	2.5	2.9	2.8	2.7
ELEVATIONS:										
South Fish Ladder										
Forebay	439.1	438.8	439.2	438.8	438.7	438.6	438.3	439.1	438.6	439.2
Exit Pool	439.1	438.8	439.2	438.8	438.6	438.5	438.3	439.1	438.6	439.2
Makeup Diffuser	434.3	434.3	434.3	343.3	434.3	434.3	434.3	434.3	434.3	434.3
U S Picketed Leads	381.4	381.3	381.4	381.4	381.4	381.3	381.4	381.4	381.4	381.3
D S Picketed Leads	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.2
North Fish Ladder										
Forebay	439.0	438.9	439.2	438.8	438.8	438.7	438.4	439.2	438.5	439.3
Exit Pool	439.0	438.9	439.1	438.8	438.8	438.7	438.4	439.2	438.5	439.3
Makeup Diffuser	434.2	434.2	434.2	434.2	434.2	434.3	434.2	434.2	434.2	434.2
U S Picketed Leads	434.2	434.2	434.3	434.3	434.2	434.3	434.2	434.2	434.3	434.2
D S Picketed Leads	434.2	434.2	434.2	434.2	434.2	434.3	434.2	434.2	434.2	434.2
Collection Channels										
South Pwrh SG4	340.5	340.4	341.1	340.6	341.1	340.9	341.7	341.0	341.0	340.6
North Pwrh SG2	339.9	340.2	340.6	340.0	340.5	340.3	341.4	340.6	340.3	340.2
North Shore SG30	340.4	340.4	340.7	339.9	339.8	341.0	341.8	340.8	340.4	340.6
Tailwater										
South Pwrh SG3	338.5	338.8	339.6	338.9	339.6	339.1	340.4	339.6	339.4	339.3
North Pwrh SG1	338.3	338.6	339.5	338.7	339.4	339.3	340.3	339.5	339.3	339.1
North Shore SG29	338.4	338.7	339.5	338.7	338.6	338.7	340.4	339.6	339.4	339.4
Entrance Weirs										
SFE 1	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
NFE 2	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
NSE 1	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
DIFFERENTIALS/DEPTHS:										
South Fish Ladder										
Ladder Exit	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
Ladder Weirs	1.3	1.3	1.3	-89.7	1.3	1.3	1.3	1.3	1.3	1.3
Counting Station	0.2	0.1	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.1
North Fish Ladder										
Ladder Exit	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ladder Weirs	1.2	1.2	1.2	1.2	1.2	1.3	1.2	1.2	1.2	1.2
Counting Station	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0
Collection Channels										
South Shore	2.0	1.6	1.5	1.7	1.5	1.8	1.3	1.4	1.6	1.3
North Powerhouse	1.6	1.6	1.1	1.3	1.1	1.0	1.1	1.1	1.0	1.1
North Shore	2.0	1.7	1.2	1.2	1.2	2.3	1.4	1.2	1.0	1.2
Weir Depths										
SFE 1	6.2	6.5	7.3	6.6	7.3	6.8	8.1	7.3	7.1	7.0
NFE 2	6.0	6.3	7.2	6.4	7.1	7.0	8.0	7.2	7.0	6.8
NSE 1	6.1	6.4	7.2	6.4	6.3	6.4	8.1	7.3	7.1	7.1
CRITERIA POINTS:										
Channel Velocities	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Differentials										
South Fish Ladder										
Ladder Exit	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	YES	YES	YES	NO	YES	YES	YES	YES	YES	YES
Counting Station	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

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

	(Output = 0, 1, or 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	0	1	1	1	1	1	1
Counting Station	1	1	1	1	1	1	1	1	1	1
North Fish Ladder										
Ladder Exit	1	1	1	1	1	1	1	1	1	1
Ladder Weirs	1	1	1	1	1	1	1	1	1	1
Counting Station	1	1	1	1	1	1	1	1	1	1
Collection Channels										
South Shore	1	1	1	1	1	1	1	1	1	1
North Powerhouse	1	1	1	1	1	1	1	1	1	1
North Shore	1	1	1	1	1	0	1	1	1	1
Weir Depths										
SFE 1	0	0	0	0	0	0	1	0	0	0
NFE 2	0	0	0	0	0	0	1	0	0	0
NSE 1	0	0	0	0	0	0	1	0	0	0

	(Output = 0, 1, or 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	1	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Fish Ladder										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
Collection Channels										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	1	0	0	0	0
Weir Depths										
SFE 1	0	0	0	0	0	0	0	0	0	0
NFE 2	0	0	0	0	0	0	0	0	0	0
NSE 1	0	0	0	0	0	0	0	0	0	0

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

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

South Ladder Differentials (more than 0.2 too low)

Ladder Exit	Not applicable.									
Ladder Weirs	0	0	0	1	0	0	0	0	0	0
Counting Station	Not applicable.									

South Ladder Differentials (0.11 - 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	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:	14-Dec	15-Dec	20-Dec	21-Dec	22-Dec	27-Dec	28-Dec	29-Dec
CHANNEL VELOCITIES IN SOUTH FISHWAY:	2.9	3.0	2.8	2.7	2.8	2.7	2.7	2.8
ELEVATIONS:								
South Fish Ladder								
Forebay	438.8	438.6	438.7	438.9	438.7	439.2	438.5	438.2
Exit Pool	438.8	438.6	438.7	438.9	438.7	4389.2	438.5	438.2
Makeup Diffuser	434.3	434.3	434.3	434.3	434.3	434.3	434.3	434.3
U S Picketed Leads	381.3	381.3	381.3	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
North Fish Ladder								
Forebay	438.9	438.8	438.8	439.0	438.8	439.1	438.6	438.2
Exit Pool	438.9	438.8	438.8	439.0	438.8	439.1	438.6	438.2
Makeup Diffuser	434.2	434.2	434.2	434.3	434.3	434.3	434.3	434.2
U S Picketed Leads	434.2	434.2	434.2	434.3	434.3	434.3	434.3	434.2
D S Picketed Leads	434.2	434.2	434.2	434.3	434.3	434.3	434.3	434.2
Collection Channels								
South Pwrh SG4	341.3	340.4	341.6	341.3	342.8	340.5	340.5	341.7
North Pwrh SG2	341.2	339.9	341.4	341.1	342.5	340.2	340.3	341.5
North Shore SG30	341.4	340.3	341.6	341.2	342.6	340.6	340.6	341.5
Tailwater								
South Pwrh SG3	340.1	338.7	340.4	340.2	341.7	339.1	339.1	340.5
North Pwrh SG1	340.0	338.6	340.3	340.1	341.4	339.0	339.0	340.4
North Shore SG29	340.1	338.6	340.2	340.1	341.5	339.0	339.1	340.3
Entrance Weirs								
SFE 1	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
NSE 1	332.5	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	-3950.0	0.0	0.0
Ladder Weirs	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Counting Station	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2
North Fish Ladder								
Ladder Exit	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ladder Weirs	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.2
Counting Station	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Collection Channels								
South Shore	1.2	1.7	1.2	1.1	1.1	1.4	1.4	1.2
North Powerhouse	1.2	1.3	1.1	1.0	1.1	1.2	1.3	1.1

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

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

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

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

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

South Ladder Differentials (more than 0.2 too low)

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

South Ladder Differentials (0.01 - 0.1 too high)

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

South Ladder Differentials (0.11 - 0.2 too high)

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

South Ladder Differentials (more than 0.2 too high)

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

North Ladder Differentials (more than 0.2 too low)

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

North Ladder Differentials (0.01 - 0.1 too high)

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

North Ladder Differentials (0.11 - 0.2 too high)

Ladder Exit	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0

Counting Station	0	0	0	0	0	0	0	0

North Ladder Differentials (more than 0.2 too high)

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

Channel/Tailwater Differentials (<0.80)

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

Channel/Tailwater Differentials (0.80 - 0.89)

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

Channel/Tailwater Differentials (0.90 - 0.99):

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

Channel/Tailwater Differentials (2.01 - 2.10)

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

Channel/Tailwater Differentials (2.11 - 2.20)

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

Channel/Tailwater Differentials (>2.20)

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

Entrance Weir Depths (more than 0.2 too low)

SFE 1 (<7.80)	0	0	0	0	0	0	0	0
NFE 2 (<7.80)	0	0	0	0	0	0	0	0
NSE 1 (<7.80)	1	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
NFE 2 (7.80 - 7.89)	0	0	0	0	0	0	0	0
NSE 1 (7.80 - 7.89)	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
NFE 2 (7.90 - 7.99)	0	0	0	0	0	0	0	0
NSE 1 (7.90 - 7.99)	0	0	0	0	0	0	0	0

# of YES	% YES	Total No. of Inspections
124	96.9%	128
128	100.0%	128
127	99.2%	128
127	99.2%	128

128	100.0%	128
127	99.2%	128
128	100.0%	128
106	82.8%	128
123	96.1%	128
109	85.2%	128
48	37.5%	128
48	37.5%	128
33	25.8%	128

# of NO	% NO
4	3.1%
0	0.0%
1	0.8%
1	0.8%
0	0.0%
1	0.8%
0	0.0%
22	17.2%
5	3.9%
19	14.8%
8	6.3%
5	3.9%
2	1.6%

	% SILL
# of SILL	
72	56.3%
75	58.6%
93	72.7%

South Ladder Differentials (more than 0.2 too low)	
Ladder Exit	
Ladder Weirs	1
Counting Station	
South Ladder Differentials (0.11 - 0.2 too low)	
Ladder Exit	
Ladder Weirs	0
Counting Station	
South Ladder Differentials (0.01 - 0.1 too low)	
Ladder Exit	
Ladder Weirs	0
Counting Station	
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	1
North Ladder Differentials (more than 0.2 too low)	
Ladder Exit	
Ladder Weirs	0
Counting Station	
North Ladder Differentials (0.11 - 0.2 too low)	
Ladder Exit	
Ladder Weirs	1
Counting Station	
North Ladder Differentials (0.01 - 0.1 too low)	
Ladder Exit	
Ladder Weirs	0
Counting Station	
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	2
North Shore	7
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	3
Channel/Tailwater Differentials (2.01 - 2.10)	
South Shore	1
North Powerhouse	0
North Shore	0
Channel/Tailwater Differentials (2.11 - 2.20)	
South Shore	5
North Powerhouse	0
North Shore	3
Channel/Tailwater Differentials (>2.20)	
South Shore	16
North Powerhouse	3
North Shore	6
Entrance Weir Depths (more than 0.2 too low)	
SFE 1 (<7.80)	2
NFE 2 (<7.80)	4
NSE 1 (<7.80)	2

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)**   6
  NFE 2 **(7.90 - 7.99)**   1
  NSE 1 **(7.90 - 7.99)**   0

			----------Not Enough Depth----------			----------Too Much Depth----------		
ICE HARBOR **Criteria and** **Locations**	**No. in** **Criteria/** **No. on** **Sill/** **No. of** **Inspections**	**% In** **Criteria/** **% On** **Sill**	**No./** **%** **Within** **0.01-** **0.1** **Foot**	**No./%** **Within** **0.11-0.2** **Foot**	**No./** **%** **>0.2** **Foot**	**No./** **%** **Within** **0.01-** **0.1** **Foot**	**No./%** **Within** **0.11-0.2** **Foot**	**No./** **%** **>0.2** **Foot**
Channel Velocities	124 *** 128	96.9 ***	*** ***	*** ***	*** ***	*** ***	*** ***	*** ***
Differentials **South Fish Ladder**								
Ladder Exit	128 *** 128	100.0 ***	*** ***	*** ***	*** ***	0 0.0	0 0.0	0 0.0
Ladder Weirs	127 *** 128	99.2 ***	0 0.0	0 0.0	1 0.8	0 0.0	0 0.0	0 0.0
Counting Station	127 *** 128	99.2 ***	*** ***	*** ***	*** ***	0 0.0	0 0.0	1 0.8
North Fish Ladder								
Ladder Exit	128 *** 128	100.0 ***	*** ***	*** ***	*** ***	0 0.0	0 0.0	0 0.0
Ladder Weirs	127 *** 128	99.2 ***	0 0.0	1 0.8	0 0.0	0 0.0	0 0.0	0 0.0
Counting Station	 *** 128	0.0 ***	*** ***	*** ***	*** ***	0 0.0	0 0.0	0 0.0
Collection Channels								
South Shore	106 *** 128	82.8 ***	0 0.0	0 0.0	0 0.0	1 0.8	5 3.9	16 12.5
North Powerhouse	123 *** 128	96.1 ***	0 0.0	0 0.0	2 1.6	0 0.0	0 0.0	3 2.3
North Shore	109 *** 128	85.2 ***	3 2.3	0 0.0	7 5.5	0 0.0	3 2.3	6 4.7
Weir Depths								
SFE 1	48 72 128	37.5 56.3	6 4.7	1 0.8	0 0.0	*** ***	*** ***	*** ***
NFE 2	48 75 128	37.5 58.6	0 0.0	0 0.0	0 0.0	*** ***	*** ***	*** ***
NSE 1	33 93 128	25.8 72.7	2 1.6	4 3.1	2 1.6	*** ***	*** ***	*** ***