APPENDIX 1. ICE HARBOR ADULT FISHWAY INSPECTIONS

DATES:	2-Mar	6-Mar	7-Mar	8-Mar	13-Mar	14-Mar	15-Mar	20-Mar	21-Mar	23-Mar
CHANNEL VELOCITIES IN SOUTH FISHWAY:	2.2	1.2	1.6	1.9	1.7	1.6	1.6	1.6	1.7	1.8
ELEVATIONS:										
South Fish Ladder										
Forebay	438.7	438.4	439.0	438.8	438.8	439.0	440.0	438.0	437.9	438.9
Exit Pool	438.7	438.4	438.9	438.8	438.8	439.0	440.0	438.0	437.8	438.8
Makeup Diffuser	434.3	434.3	434.3	434.3	434.3	434.2	434.2	434.3	434.2	434.3
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	438.8	438.5	438.9	438.8	438.8	439.0	440.0	437.9	437.8	438.8
Exit Pool	438.7	438.5	438.9	438.8	438.8	439.0	440.0	437.9	437.8	438.7
Makeup Diffuser	434.2	434.2	434.1	434.2	434.2	434.2	434.2	434.2	434.1	434.2
U S Picketed Leads	434.2	434.2	434.1	434.2	434.2	434.2	434.2	434.2	434.1	434.2
D S Picketed Leads	434.2	434.2	434.1	434.2	434.2	434.2	434.2	434.2	434.1	434.2
Collection Channels										
South Pwrh SG4	345.4	346.0	346.2	346.1	350.4	349.8	350.8	353.1	353.9	353.6
North Pwrh SG2	344.8	345.5	345.5	345.3	350.0	349.4	350.4	353.1	353.8	353.2
North Shore SG30	344.3	345.4	345.1	344.7	348.1	347.5	349.5	352.0		351.9
Tailwater										
South Pwrh SG3	343.4	344.4	344.8	344.4	348.9	348.4	349.5	352.0	352.8	352.0
North Pwrh SG1	343.4	344.4	344.5	344.2	348.9	348.3	349.4	352.0	352.8	352.0
North Shore SG29	343.0	344.3	343.3	343.4	347.5	346.5	348.0	350.5		350.5
Entrance Weirs										
SFE 1	336.6	334.8	334.7	336.4	342.2	340.8	341.0	344.5	344.8	344.8
NFE 2	334.7	334.7	334.7	335.5	336.5	336.5	336.5	338.4	338.4	338.4
NSE 1	333.8	333.6	334.6	332.8	333.8	333.8	337.6	342.9		341.9
DIFFERENTIALS/DEPTHS:										
South Fish Ladder										
Ladder Exit	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1
Ladder Weirs	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.3	1.2	1.3
Counting Station	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
North Fish Ladder										
Ladder Exit	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Ladder Weirs	1.2	1.2	1.1	1.2	1.2	1.2	1.2	1.2	1.1	1.2
Counting Station	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Collection Channels										
South Shore	2.0	1.6	1.4	1.7	1.5	1.4	1.3	1.1	1.1	1.6
North Powerhouse	1.4	1.1	1.0	1.1	1.1	1.1	1.0	1.1	1.0	1.2
North Shore	1.3	1.1	1.8	1.3	0.6	1.0	1.5	1.5	0.0	1.4
Weir Depths										
SFE 1	6.8	9.6	10.1	8.0	6.7	7.6	8.5	7.5	8.0	7.2
NFE 2	8.7	9.7	9.8	8.7	12.4	11.8	12.9	13.6	14.4	13.6
NSE 1	9.2	10.7	8.7	10.6	13.7	12.7	10.4	7.6	0.0	8.6
CRITERIA POINTS:										
Channel Velocities	YES	NO	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	NO	YES	YES	YES	NO	YES
Weir Depths										
SFE 1	NO	YES	YES	YES	NO	NO	YES	NO	YES	NO
NFE 2	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
NSE 1	YES	YES	YES	YES	YES	YES	YES	NO	SILL	YES

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

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

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

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

South Ladder Differentials (more than 0.2 too low)

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

South Ladder Differentials (0.11 - 0.2 too low)

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

South Ladder Differentials (0.01 - 0.1 too low)

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

South Ladder Differentials (0.01 - 0.1 too high)

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

South Ladder Differentials (0.11 - 0.2 too high)

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

South Ladder Differentials (more than 0.2 too high)

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

North Ladder Differentials (more than 0.2 too low)

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

North Ladder Differentials (0.11 - 0.2 too low)

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

North Ladder Differentials (0.01 - 0.1 too low)

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

North Ladder Differentials (0.01 - 0.1 too high)

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

North Ladder Differentials (0.11 - 0.2 too high)

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

North Ladder Differentials (more than 0.2 too high)

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

Channel/Tailwater Differentials (<0.80)

South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	1	0	0	0	1	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)	1	0	0	0	1	1	0	1	0	1
NFE 2 (<7.80)	0	0	0	0	0	0	0	0	0	0
NSE 1 (<7.80)	0	0	0	0	0	0	0	1	0	0

Entrance Weir Depths (0.11 - 0.2 too low)

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

Entrance Weir Depths (0.01 - 0.1 too low)

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

DATES:	27-Mar	28-Mar	30-Mar	3-Apr	4-Apr	5-Apr	10-Apr	11-Apr	12-Apr	17-Apr
CHANNEL VELOCITIES										
IN SOUTH FISHWAY:	1.5	1.5	0.9	0.9	1.0	1.7	1.8	1.4	1.5	1.4
ELEVATIONS:										
South Fish Ladder										
Forebay	437.4	438.1	437.5	437.6	437.4	437.6	438.7	437.3	437.6	437.7
Exit Pool	437.3	438.0	437.4	437.6	437.4	437.5	438.7	437.3	437.6	437.7
Makeup Diffuser	434.3	434.3	434.3	434.2	434.3	434.3	434.2	434.3	434.3	434.2
U S Picketed Leads	381.2	381.2	381.3	381.2	381.3	381.3	381.3	381.3	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	437.3	438.1	437.4	437.6	437.3	437.5	437.6	437.3	437.6	437.6
Exit Pool	437.2	438.0	437.4	437.5	437.3	437.4	437.5	437.3	437.6	437.5
Makeup Diffuser	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2
U S Picketed Leads	434.2	434.2	434.2	434.3	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	351.9	351.0	351.3	351.0	351.4	350.5	349.7	348.0	350.9	348.0
North Pwrh SG2	351.9	350.8	351.3	350.9	350.9	350.3	349.4	347.4	350.4	347.6
North Shore SG30	350.8	349.7	349.4	349.3	349.9	348.9	348.0	346.3	349.5	345.8
Tailwater										
South Pwrh SG3	350.2	349.2	349.9	349.2	349.2	348.9	348.6	346.4	349.4	346.4
North Pwrh SG1	350.1	349.0	349.8	349.1	348.8	348.7	348.4	346.3	349.4	346.3
North Shore SG29	349.1	349.0	347.7	347.5	347.6	347.5	346.6	345.0	347.8	344.2
Entrance Weirs										
SFE 1	342.1	340.9	340.4	340.4	340.4	341.4	338.6	336.1	340.1	336.2
NFE 2	340.1	340.1	340.8	341.0	341.0	336.3	336.0	336.0	336.0	336.0
NSE 1	341.9	340.9	339.7	339.5	339.0	337.5	336.8	336.8	336.6	334.1
DIFFERENTIALS/DEPTHS:										
South Fish Ladder										
Ladder Exit	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Ladder Weirs	1.3	1.3	1.3	1.2	1.3	1.3	1.2	1.3	1.3	1.2
Counting Station	0.0	0.0	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1
North Fish Ladder										
Ladder Exit	0.1	0.1	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.1
Ladder Weirs	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Counting Station	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Collection Channels										
South Shore	1.7	1.8	1.4	1.8	2.2	1.6	1.1	1.6	1.5	1.6
North Powerhouse	1.8	1.8	1.5	1.8	2.1	1.6	1.0	1.1	1.0	1.3
North Shore	1.7	0.7	1.7	1.8	2.3	1.4	1.4	1.3	1.7	1.6
Weir Depths										
SFE 1	8.1	8.3	9.5	8.8	8.8	7.5	10.0	10.3	9.3	10.2
NFE 2	10.0	8.9	9.0	8.1	7.8	12.4	12.4	10.3	13.4	10.3
NSE 1	7.2	8.1	8.0	8.0	8.6	10.0	9.8	8.2	11.2	10.1
CRITERIA POINTS:										
Channel Velocities	YES	YES	NO	NO	NO	YES	YES	NO	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	NO	YES	YES	YES	YES	YES
North Powerhouse	YES	YES	YES	YES	NO	YES	YES	YES	YES	YES
North Shore	YES	NO	YES	YES	NO	YES	YES	YES	YES	YES
Weir Depths										
SFE 1	YES	YES	YES	YES	YES	NO	YES	YES	YES	YES
NFE 2	YES	YES	YES	YES	NO	YES	YES	YES	YES	YES
NSE 1	NO	YES	YES	YES	YES	YES	YES	YES	YES	YES

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

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

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

North Ladder Differentials (more than 0.2 too high)

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

Channel/Tailwater Differentials (<0.80)

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

Channel/Tailwater Differentials (>2.20)

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	1	0	0	0	0	0

Entrance Weir Depths (more than 0.2 too low)

SFE 1 (<7.80)	0	0	0	0	0	1	0	0	0	0
NFE 2 (<7.80)	0	0	0	0	0	0	0	0	0	0
NSE 1 (<7.80)	1	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	1	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-Apr	20-Apr	24-Apr	25-Apr	26-Apr	2-May	3-May	4-May	8-May	9-May
CHANNEL VELOCITIES IN SOUTH FISHWAY:	1.2	1.3	1.4	1.4	1.2	1.3	1.5	1.5	2.1	1.7
ELEVATIONS:										
South Fish Ladder										
Forebay	437.7	437.6	437.8	437.7	437.6	437.6	437.9	438.2	438.2	438.1
Exit Pool	437.7	437.5	437.8	437.7	437.5	437.6	437.8	438.1	438.1	438.0
Makeup Diffuser	434.3	434.3	434.3	434.3	434.3	434.3	434.2	434.2	434.3	434.3
U S Picketed Leads	381.3	381.3	381.3	381.3	381.3	381.3	381.3	381.3	381.3	381.3
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	437.8	437.5	437.9	437.7	437.5	437.5	437.7	438.1	438.2	438.1
Exit Pool	437.6	437.4	437.9	437.7	437.5	437.5	437.7	438.1	438.2	438.1
Makeup Diffuser	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.1	434.2	434.2
U S Picketed Leads	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2
D S Picketed Leads	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.1	434.2	434.2
Collection Channels										
South Pwrh SG4	348.3	348.9	348.5	349.3	349.6	348.5	348.0	348.0	351.6	351.0
North Pwrh SG2	348.1	348.7	348.2	348.9	349.3	348.2	347.4	347.7	351.4	350.6
North Shore SG30	347.0	347.1	347.6	347.5	348.0	346.6	345.7	346.0	350.3	349.7
Tailwater										
South Pwrh SG3	347.0	347.7	347.2	347.9	348.2	347.2	346.5	346.5	350.4	349.9
North Pwrh SG1	347.0	347.6	347.0	347.7	348.2	347.1	346.0	346.4	350.4	349.5
North Shore SG29	345.5	345.5	346.0	345.7	346.4	345.0	344.4	344.4	349.0	348.4
Entrance Weirs										
SFE 1	336.4	337.4	336.7	338.0	338.6	337.6	336.9	337.3	342.9	341.6
NFE 2	336.0	336.0	336.0	336.0	336.0	336.5	336.2	336.2	336.2	336.2
NSE 1	334.1	334.2	334.2	334.2	334.2	334.1	334.2	334.2	337.5	338.3
DIFFERENTIALS/DEPTHS:										
South Fish Ladder										
Ladder Exit	0.0	0.1	0.0	0.0	0.1	0.0	0.1	0.1	0.1	0.1
Ladder Weirs	1.3	1.3	1.3	1.3	1.3	1.3	1.2	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	0.2	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	1.1	1.2	1.2
Counting Station	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Collection Channels										
South Shore	1.3	1.2	1.3	1.4	1.4	1.3	1.5	1.5	1.2	1.1
North Powerhouse	1.1	1.1	1.2	1.2	1.1	1.1	1.4	1.3	1.0	1.1
North Shore	1.5	1.6	1.6	1.8	1.6	1.6	1.3	1.6	1.3	1.3
Weir Depths										
SFE 1	10.6	10.3	10.5	9.9	9.6	9.6	9.6	9.2	7.5	8.3
NFE 2	11.0	11.6	11.0	11.7	12.2	10.6	9.8	10.2	14.2	13.3
NSE 1	11.4	11.3	11.8	11.5	12.2	10.9	10.2	10.2	11.5	10.1
CRITERIA POINTS:										
Channel Velocities	NO	NO	NO	NO	NO	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	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	NO	YES
NFE 2	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
NSE 1	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

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

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

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

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

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

Channel/Tailwater Differentials (0.80 - 0.89)

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

Channel/Tailwater Differentials (0.90 - 0.99):

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

Channel/Tailwater Differentials (2.01 - 2.10)

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

Channel/Tailwater Differentials (2.11 - 2.20)

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

Channel/Tailwater Differentials (>2.20)

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

Entrance Weir Depths (more than 0.2 too low)

SFE 1 (<7.80)	0	0	0	0	0	0	0	0	1	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:	10-May	15-May	16-May	18-May	22-May	23-May	25-May	30-May	31-May	5-Jun
CHANNEL VELOCITIES										
IN SOUTH FISHWAY:	1.5	1.8	1.1	2.3	1.5	1.4	1.6	1.4	1.7	1.8
ELEVATIONS:										
South Fish Ladder										
Forebay	438.3	438.0	438.4	438.7	438.1	438.7	438.4	438.3	438.4	438.4
Exit Pool	438.3	438.0	438.3	438.7	438.1	438.7	438.4	438.3	438.4	438.3
Makeup Diffuser	434.3	434.3	434.3	434.3	434.3	434.2	434.2	434.3	434.2	434.2
U S Picketed Leads	381.3	381.3	381.3	381.3	381.3	381.3	381.3	381.3	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	438.3	438.0	438.4	438.7	438.1	438.7	438.6	438.3	438.4	438.3
Exit Pool	438.3	438.0	438.4	438.8	438.1	438.7	438.6	438.3	438.4	438.3
Makeup Diffuser	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.1	434.2
U S Picketed Leads	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2
D S Picketed Leads	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.1	434.2
Collection Channels										
South Pwrh SG4	351.1	350.8	350.2	348.5	347.9	348.3	350.6	349.9	351.8	350.8
North Pwrh SG2	350.7	350.4	350.0	348.0	347.3	348.0	350.2	349.6	351.5	350.5
North Shore SG30	349.5	349.0	349.0	347.4	345.6	346.3	348.3	348.0	350.1	350.0
Tailwater										
South Pwrh SG3	349.8	349.4	348.6	346.8	346.2	346.7	349.1	348.4	350.5	349.2
North Pwrh SG1	349.5	349.2	348.7	346.6	345.9	346.5	348.8	348.5	350.5	349.2
North Shore SG29	348.0	347.1	347.3	344.3	344.0	344.6	346.4	346.4	348.2	348.5
Entrance Weirs										
SFE 1	341.6	341.4	339.4	337.2	336.8	337.9	340.8	339.5	342.2	341.7
NFE 2	336.2	336.9	337.0	336.9	336.9	336.9	336.9	336.9	337.6	337.5
NSE 1	338.3	339.1	338.7	338.6	334.8	334.8	339.1	336.7	338.5	338.5
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	0.1
Ladder Weirs	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.3	1.2	1.2
Counting Station	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
North Fish Ladder										
Ladder Exit	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0
Ladder Weirs	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.2
Counting Station	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Collection Channels										
South Shore	1.3	1.4	1.6	1.7	1.7	1.6	1.5	1.5	1.3	1.6
North Powerhouse	1.2	1.2	1.3	1.4	1.4	1.5	1.4	1.1	1.0	1.3
North Shore	1.5	1.9	1.7	3.1	1.6	1.7	1.9	1.6	1.9	1.5
Weir Depths										
SFE 1	8.2	8.0	9.2	9.6	9.4	8.8	8.3	8.9	8.3	7.5
NFE 2	13.3	12.3	11.7	9.7	9.0	9.6	11.9	11.6	12.9	11.7
NSE 1	9.7	8.0	8.6	5.7	9.2	9.8	7.3	9.7	9.7	10.0
CRITERIA POINTS:										
Channel Velocities	YES	YES	NO	YES	YES	NO	YES	NO	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	NO	YES	YES	YES	YES	YES	YES
Weir Depths										
SFE 1	YES	YES	YES	YES	YES	YES	YES	YES	YES	NO
NFE 2	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
NSE 1	YES	YES	YES	NO	YES	YES	NO	YES	YES	YES

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

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

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

South Ladder Differentials (more than 0.2 too low)

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

South Ladder Differentials (0.11 - 0.2 too low)

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

South Ladder Differentials (0.01 - 0.1 too low)

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

South Ladder Differentials (0.01 - 0.1 too high)

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

South Ladder Differentials (0.11 - 0.2 too high)

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

South Ladder Differentials (more than 0.2 too high)

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

North Ladder Differentials (more than 0.2 too low)

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

North Ladder Differentials (0.11 - 0.2 too low)

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

North Ladder Differentials (0.01 - 0.1 too low)

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

North Ladder Differentials (0.01 - 0.1 too high)

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

North Ladder Differentials (0.11 - 0.2 too high)

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

North Ladder Differentials (more than 0.2 too high)

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

Channel/Tailwater Differentials (<0.80)

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

Channel/Tailwater Differentials (0.80 - 0.89)

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

Channel/Tailwater Differentials (0.90 - 0.99):

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

Channel/Tailwater Differentials (2.01 - 2.10)

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

Channel/Tailwater Differentials (2.11 - 2.20)

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

Channel/Tailwater Differentials (>2.20)

South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	1	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	1
NFE 2 (<7.80)	0	0	0	0	0	0	0	0	0	0
NSE 1 (<7.80)	0	0	0	1	0	0	1	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-Jun	7-Jun	12-Jun	13-Jun	14-Jun	19-Jun	21-Jun	22-Jun	26-Jun	27-Jun
CHANNEL VELOCITIES IN SOUTH FISHWAY:	1.5	1.6	1.5	1.7	1.5	1.5	1.5	1.6	1.6	1.5
ELEVATIONS:										
South Fish Ladder										
Forebay	438.7	438.5	438.0	438.1	438.4	437.7	437.6	437.5	437.7	437.6
Exit Pool	438.6	438.5	438.0	438.1	438.4	437.7	437.5	437.5	437.6	437.5
Makeup Diffuser	434.3	434.2	434.3	434.3	434.3	434.2	434.3	434.2	434.3	434.2
U S Picketed Leads	381.3	381.3	381.3	381.3	381.3	381.3	381.3	381.3	381.3	381.4
D S Picketed Leads	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.2
North Fish Ladder										
Forebay	438.4	438.9	438.0	437.8	438.4	437.7	437.5	437.5	437.6	437.6
Exit Pool	438.4	438.9	438.0	437.7	438.3	437.7	437.5	437.5	437.5	437.6
Makeup Diffuser	434.2	434.2	434.2	434.1	434.2	434.2	434.2	434.1	434.2	434.2
U S Picketed Leads	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2
D S Picketed Leads	434.2	434.2	434.2	434.1	434.2	434.2	434.2	434.1	434.2	434.2
Collection Channels										
South Pwrh SG4	351.2	350.2	348.4	346.4	349.1	348.0	347.6	348.0	346.7	346.9
North Pwrh SG2	351.0	349.9	348.0	346.5	349.2	347.4	346.9	347.5	346.3	346.2
North Shore SG30	350.0	348.0	346.8	343.0	348.0	345.3	345.3	345.4	344.8	345.4
Tailwater										
South Pwrh SG3	350.0	348.8	346.9	344.8	348.0	346.1	345.8	346.1	344.7	345.2
North Pwrh SG1	349.9	348.8	346.5	344.6	347.9	346.2	345.5	346.2	344.8	345.1
North Shore SG29	348.9	346.6	345.1	341.3	346.8	343.8	343.6	344.3	343.8	343.8
Entrance Weirs										
SFE 1	339.9	339.5	338.4	337.8	337.1	338.4	337.3	337.6	336.6	335.8
NFE 2	337.4	337.0	337.3	336.2	335.7	335.6	335.7	336.5	335.4	334.7
NSE 1	338.0	334.8	336.0	334.3	334.7	335.2	335.1	334.1	335.8	335.7
DIFFERENTIALS/DEPTHS:										
South Fish Ladder										
Ladder Exit	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1
Ladder Weirs	1.3	1.2	1.3	1.3	1.3	1.2	1.3	1.2	1.3	1.2
Counting Station	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
North Fish Ladder										
Ladder Exit	0.0	0.0	0.0	0.1	0.1	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	1.1	1.2	1.2
Counting Station	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0
Collection Channels										
South Shore	1.2	1.4	1.5	1.6	1.1	1.9	1.8	1.9	2.0	1.7
North Powerhouse	1.1	1.1	1.5	1.9	1.3	1.2	1.4	1.3	1.5	1.1
North Shore	1.1	1.4	1.7	1.7	1.2	1.5	1.7	1.1	1.0	1.6
Weir Depths										
SFE 1	10.1	9.3	8.5	7.0	10.9	7.7	8.5	8.5	8.1	9.4
NFE 2	12.5	11.8	9.2	8.4	12.2	10.6	9.8	9.7	9.4	10.4
NSE 1	10.9	11.8	9.1	7.0	12.1	8.6	8.5	10.2	8.0	8.1
CRITERIA POINTS:										
Channel Velocities	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Differentials										
South Fish Ladder										
Ladder Exit	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Counting Station	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

North Fish Ladder										
Ladder Exit	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Counting Station	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Collection Channels										
South Shore	YES	YES	YES	YES	YES	YES	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	NO	YES	NO	YES	YES	YES	YES
NFE 2	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
NSE 1	YES	YES	YES	NO	YES	YES	YES	YES	YES	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	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	0	1	0	1	1	1	1
NFE 2	1	1	1	1	1	1	1	1	1	1
NSE 1	1	1	1	0	1	1	1	1	1	1

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

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

North Ladder Differentials (more than 0.2 too high)

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

Channel/Tailwater Differentials (<0.80)

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

Channel/Tailwater Differentials (0.80 - 0.89)

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

Channel/Tailwater Differentials (0.90 - 0.99):

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

Channel/Tailwater Differentials (2.01 - 2.10)

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

Channel/Tailwater Differentials (2.11 - 2.20)

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

Channel/Tailwater Differentials (>2.20)

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

Entrance Weir Depths (more than 0.2 too low)

SFE 1 (<7.80)	0	0	0	1	0	1	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	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	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-Jun	3-Jul	5-Jul	6-Jul	10-Jul	11-Jul	12-Jul	17-Jul	18-Jul	20-Jul
CHANNEL VELOCITIES										
IN SOUTH FISHWAY:	1.6	2.1	2.1	1.8	2.5	1.9	2.1	2.3	1.7	2.5
ELEVATIONS:										
South Fish Ladder										
Forebay	437.7	437.7	437.7	437.7	437.6	437.7	437.9	437.5	437.6	437.7
Exit Pool	437.6	437.6	437.7	437.6	437.6	437.7	437.9	437.5	437.5	437.7
Makeup Diffuser	434.3	434.3	434.3	434.2	434.2	434.2	434.2	434.3	434.2	434.2
U S Picketed Leads	381.3	381.3	381.3	381.3	381.3	381.3	381.3	381.3	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	437.6	437.7	437.8	437.6	437.6	437.7	438.0	437.3	437.5	437.7
Exit Pool	437.6	437.7	437.9	437.5	437.6	437.7	438.0	437.3	437.6	437.6
Makeup Diffuser	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.1	434.2
U S Picketed Leads	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2
D S Picketed Leads	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.1	434.2
Collection Channels										
South Pwrh SG4	346.6	344.5	345.5	344.5	342.7	342.9	342.7	343.0	342.7	343.4
North Pwrh SG2	346.0	344.1	345.0	344.0	342.1	342.5	342.1	342.4	341.9	342.8
North Shore SG30	345.2	344.6	344.0	344.8	343.0	342.0	342.0	341.0	341.3	341.8
Tailwater										
South Pwrh SG3	345.0	342.7	343.7	342.9	340.8	341.2	341.0	341.1	340.9	341.6
North Pwrh SG1	344.8	342.7	344.0	342.8	341.0	341.2	341.1	341.0	340.4	341.6
North Shore SG29	343.8	343.6	340.3	342.8	338.5	340.3	340.2	339.2	339.6	340.7
Entrance Weirs										
SFE 1	335.8	333.5	333.5	333.5	333.5	333.5	332.3	332.3	332.3	332.3
NFE 2	334.7	333.4	333.5	333.4	332.7	332.7	332.7	332.7	332.3	332.3
NSE 1	335.7	335.6	335.5	335.6	335.5	332.6	332.3	332.3	332.3	332.3
DIFFERENTIALS/DEPTHS:										
South Fish Ladder										
Ladder Exit	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0
Ladder Weirs	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.3	1.2	1.2
Counting Station	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
North Fish Ladder										
Ladder Exit	0.0	0.0	-0.1	0.1	0.0	0.0	0.0	0.0	-0.1	0.1
Ladder Weirs	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.2
Counting Station	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Collection Channels										
South Shore	1.6	1.8	1.8	1.6	1.9	1.7	1.7	1.9	1.8	1.8
North Powerhouse	1.2	1.4	1.0	1.2	1.1	1.3	1.0	1.4	1.5	1.2
North Shore	1.4	1.0	3.7	2.0	4.5	1.7	1.8	1.8	1.7	1.1
Weir Depths										
SFE 1	9.2	9.2	10.2	9.4	7.3	7.7	8.7	8.8	8.6	9.3
NFE 2	10.1	9.3	10.5	9.4	8.3	8.5	8.4	8.3	8.1	9.3
NSE 1	8.1	8.0	4.8	7.2	3.0	7.7	7.9	6.9	7.3	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	NO	YES	NO	YES	YES	YES	YES	YES
Weir Depths										
SFE 1	YES	YES	YES	YES	NO	NO	YES	YES	YES	YES
NFE 2	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
NSE 1	YES	YES	NO	NO	NO	NO	SILL	SILL	SILL	YES

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

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

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

North Ladder Differentials (more than 0.2 too high)

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

Channel/Tailwater Differentials (<0.80)

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

Channel/Tailwater Differentials (0.80 - 0.89)

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

Channel/Tailwater Differentials (0.90 - 0.99):

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

Channel/Tailwater Differentials (2.01 - 2.10)

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

Channel/Tailwater Differentials (2.11 - 2.20)

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

Channel/Tailwater Differentials (>2.20)

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

Entrance Weir Depths (more than 0.2 too low)

SFE 1 (<7.80)	0	0	0	0	1	1	0	0	0	0
NFE 2 (<7.80)	0	0	0	0	0	0	0	0	0	0
NSE 1 (<7.80)	0	0	1	1	1	1	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:	24-Jul	25-Jul	26-Jul	1-Aug	2-Aug	3-Aug	7-Aug	8-Aug	9-Aug	14-Aug
CHANNEL VELOCITIES										
IN SOUTH FISHWAY:	2.7	2.6	2.4	2.3	2.6	2.4	2.3	2.5	2.2	2.7
ELEVATIONS:										
South Fish Ladder										
Forebay	437.6	437.6	437.8	437.5	437.9	437.7	437.7	438.0	437.4	438.5
Exit Pool	437.5	437.6	437.7	437.4	437.9	437.6	437.6	437.9	437.3	438.5
Makeup Diffuser	434.3	434.2	434.2	434.3	434.3	434.3	434.3	434.3	434.3	434.3
U S Picketed Leads	381.4	381.3	381.4	381.3	381.3	381.3	381.3	381.3	381.3	381.5
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	437.6	437.6	437.7	437.5	437.8	437.6	437.7	437.9	437.3	438.4
Exit Pool	437.5	437.6	437.7	437.3	437.7	437.6	437.6	437.9	437.3	438.4
Makeup Diffuser	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.3	434.2	434.1
U S Picketed Leads	434.2	434.2	434.2	434.2	434.3	434.2	434.3	434.4	434.2	434.2
D S Picketed Leads	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.3	434.2	434.1
Collection Channels										
South Pwrh SG4	341.4	342.0	342.7	343.1	342.1	342.2	341.6	341.8	341.5	341.5
North Pwrh SG2	341.5	341.7	342.2	342.6	341.7	341.6	341.0	341.0	341.1	341.1
North Shore SG30	341.5	341.6	341.0	341.0	341.6	341.4	341.4	341.2	340.9	341.1
Tailwater										
South Pwrh SG3	340.0	340.1	340.8	341.4	340.4	340.3	339.6	339.9	339.5	339.6
North Pwrh SG1	340.0	340.0	340.7	341.5	340.5	340.3	339.6	339.8	339.9	339.7
North Shore SG29	340.2	340.0	339.2	339.3	340.4	340.2	339.5	339.7	339.5	339.1
Entrance Weirs										
SFE 1	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
NFE 2	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
NSE 1	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
DIFFERENTIALS/DEPTHS:										
South Fish Ladder										
Ladder Exit	0.1	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.0
Ladder Weirs	1.3	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Counting Station	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.3
North Fish Ladder										
Ladder Exit	0.1	0.0	0.0	0.2	0.1	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	1.3	1.2	1.1
Counting Station	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.0	0.1
Collection Channels										
South Shore	1.4	1.9	1.9	1.7	1.7	1.9	2.0	1.9	2.0	1.9
North Powerhouse	1.5	1.7	1.5	1.1	1.2	1.3	1.4	1.2	1.2	1.4
North Shore	1.3	1.6	1.8	1.7	1.2	1.2	1.9	1.5	1.4	2.0
Weir Depths										
SFE 1	7.7	7.8	8.5	9.1	8.1	8.0	7.3	7.6	7.2	7.3
NFE 2	7.7	7.7	8.4	9.2	8.2	8.0	7.3	7.5	7.6	7.4
NSE 1	7.9	7.7	6.9	7.0	8.1	7.9	7.2	7.4	7.2	6.8
CRITERIA POINTS:										
Channel Velocities	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Differentials										
South Fish Ladder										
Ladder Exit	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Counting Station	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

North Fish Ladder

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

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

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

SILL	(Output = 0, 1, or NA)									
Weir Depths										
SFE 1	0	1	0	0	0	0	1	1	1	1
NFE 2	0	1	0	0	0	0	1	1	1	1
NSE 1	0	1	1	1	0	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	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:	16-Aug	17-Aug	21-Aug	22-Aug	23-Aug	28-Aug	29-Aug	31-Aug	5-Sep	6-Sep
CHANNEL VELOCITIES										
IN SOUTH FISHWAY:	2.6	2.4	2.5	2.7	2.7	3.0	2.5	3.0	2.5	2.3
ELEVATIONS:										
South Fish Ladder										
Forebay	438.5	438.4	438.7	438.5	438.8	438.7	438.8	438.5	439.5	439.3
Exit Pool	438.5	438.3	438.6	438.4	438.8	438.7	438.8	438.5	439.5	439.1
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	381.6	381.4	381.3	381.4	381.3	381.3	381.4	381.4	381.3	381.3
D S Picketed Leads	381.2	381.2	381.2	381.2	381.2	381.3	381.2	381.2	381.2	381.2
North Fish Ladder										
Forebay	438.5	438.4	438.7	438.5	438.8	438.5	438.9	438.5	439.3	439.3
Exit Pool	438.4	438.4	438.5	438.4	438.6	438.5	438.7	438.3	439.2	439.2
Makeup Diffuser	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.3	434.1	434.2
U S Picketed Leads	434.3	434.3	434.2	434.2	434.3	434.2	434.3	434.3	434.2	434.3
D S Picketed Leads	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.1	434.2
Collection Channels										
South Pwrh SG4	341.7	341.5	341.7	341.8	341.7	341.3	341.8	341.7	341.5	341.8
North Pwrh SG2	341.4	341.1	341.0	341.3	341.3	340.9	341.3	340.8	341.0	341.2
North Shore SG30	341.1	340.9	340.5	340.9	340.3	340.7	340.9	340.6	342.2	342.0
Tailwater										
South Pwrh SG3	339.7	339.5	339.8	339.9	339.8	339.4	339.8	339.7	339.5	339.8
North Pwrh SG1	339.9	339.6	339.6	340.0	340.0	339.5	340.0	339.7	339.6	340.0
North Shore SG29	339.2	339.0	338.5	339.0	338.9	338.7	339.1	337.1	340.2	340.1
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	333.0	332.7
DIFFERENTIALS/DEPTHS:										
South Fish Ladder										
Ladder Exit	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.2
Ladder Weirs	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Counting Station	0.4	0.2	0.1	0.2	0.1	0.0	0.2	0.2	0.1	0.1
North Fish Ladder										
Ladder Exit	0.1	0.0	0.2	0.1	0.2	0.0	0.2	0.2	0.1	0.1
Ladder Weirs	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.1	1.2
Counting Station	0.1	0.1	0.0	0.0	0.1	0.0	0.1	0.1	0.1	0.1
Collection Channels										
South Shore	2.0	2.0	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0
North Powerhouse	1.5	1.5	1.4	1.3	1.3	1.4	1.3	1.1	1.4	1.2
North Shore	1.9	1.9	2.0	1.9	1.4	2.0	1.8	3.5	2.0	1.9
Weir Depths										
SFE 1	7.4	7.2	7.5	7.6	7.5	7.1	7.5	7.4	7.2	7.5
NFE 2	7.6	7.3	7.3	7.7	7.7	7.2	7.7	7.4	7.3	7.7
NSE 1	6.9	6.7	6.2	6.7	6.6	6.4	6.8	4.8	7.2	7.4
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	NO	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	NO	YES	YES
Weir Depths										
SFE 1	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL
NFE 2	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL
NSE 1	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	NO	NO

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

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

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

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

North Ladder Differentials (more than 0.2 too high)										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (<0.80)										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (0.80 - 0.89)										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (0.90 - 0.99):										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (2.01 - 2.10)										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (2.11 - 2.20)										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (>2.20)										
South Shore	0	0	0	0	0	0	0	0	0	0
North Powerhouse	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	1	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	1	1
Entrance Weir Depths (0.11 - 0.2 too low)										
SFE 1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
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:	7-Sep	11-Sep	12-Sep	13-Sep	18-Sep	19-Sep	20-Sep	25-Sep	26-Sep	27-Sep
CHANNEL VELOCITIES										
IN SOUTH FISHWAY:	2.8	2.1	2.7	1.6	2.6	1.9	1.7	2.2	3.0	2.7
ELEVATIONS:										
South Fish Ladder										
Forebay	439.2	439.7	438.7	439.6	438.6	438.5	438.8	439.7	439.5	439.0
Exit Pool	439.2	439.6	438.6	439.6	438.6	438.5	438.8	439.6	439.4	438.9
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	381.3	381.4	381.4	381.3	381.3	381.3	381.3	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	439.2	439.7	438.6	439.6	438.6	438.5	438.7	439.8	439.4	439.0
Exit Pool	439.0	439.3	438.3	439.3	438.6	438.5	437.8	439.8	439.4	439.0
Makeup Diffuser	434.1	434.1	434.2	434.1	434.1	434.2	434.2	434.1	434.1	434.1
U S Picketed Leads	434.2	434.2	434.3	434.2	434.2	434.2	434.2	434.2	434.2	434.1
D S Picketed Leads	434.1	434.1	434.2	434.1	434.1	434.2	434.2	434.1	434.2	434.1
Collection Channels										
South Pwrh SG4	341.9	342.3	342.7	341.8	342.7	343.1	342.9	342.0	341.9	342.1
North Pwrh SG2	341.8	341.5	342.1	341.5	342.2	342.5	342.2	341.0	341.4	341.8
North Shore SG30	341.5	342.5	342.5	341.5	342.8	343.1	342.8	341.8	342.0	341.6
Tailwater										
South Pwrh SG3	340.1	340.5	340.9	339.8	341.1	341.5	341.1	340.0	340.0	340.2
North Pwrh SG1	340.3	340.2	340.8	339.9	341.0	341.3	341.0	339.6	340.0	340.3
North Shore SG29	339.8	341.0	340.9	339.8	341.3	341.6	341.3	340.0	340.1	340.2
Entrance Weirs										
SFE 1	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
NFE 2	332.3	332.3	332.5	332.3	332.3	332.4	332.3	332.3	332.3	332.3
NSE 1	332.5	333.0	333.2	332.3	333.3	333.3	333.3	332.3	332.3	332.3
DIFFERENTIALS/DEPTHS:										
South Fish Ladder										
Ladder Exit	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1
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	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1
North Fish Ladder										
Ladder Exit	0.2	0.4	0.3	0.3	0.0	0.0	0.9	0.0	0.0	0.0
Ladder Weirs	1.1	1.1	1.2	1.1	1.1	1.2	1.2	1.1	1.1	1.1
Counting Station	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.0
Collection Channels										
South Shore	1.8	1.8	1.8	2.0	1.6	1.6	1.8	2.0	1.9	1.9
North Powerhouse	1.5	1.3	1.3	1.6	1.2	1.2	1.2	1.4	1.4	1.5
North Shore	1.7	1.5	1.6	1.7	1.5	1.5	1.5	1.8	1.9	1.4
Weir Depths										
SFE 1	7.8	8.2	8.6	7.5	8.8	9.2	8.8	7.7	7.7	7.9
NFE 2	8.0	7.9	8.3	7.6	8.7	8.9	8.7	7.3	7.7	8.0
NSE 1	7.3	8.0	7.7	7.5	8.0	8.3	8.0	7.7	7.8	7.9
CRITERIA POINTS:										
Channel Velocities	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Differentials										
South Fish Ladder										
Ladder Exit	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Counting Station	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

North Fish Ladder										
Ladder Exit	YES	YES	YES	YES	YES	YES	NO	YES	YES	YES
Ladder Weirs	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Counting Station	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Collection Channels										
South Shore	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
North Powerhouse	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
North Shore	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Weir Depths										
SFE 1	SILL	YES	YES	SILL	YES	YES	YES	SILL	SILL	SILL
NFE 2	YES	SILL	YES	SILL	YES	YES	YES	SILL	SILL	YES
NSE 1	NO	YES	NO	SILL	YES	YES	YES	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	0	1	1	1
Ladder Weirs	1	1	1	1	1	1	1	1	1	1
Counting Station	1	1	1	1	1	1	1	1	1	1
Collection Channels										
South Shore	1	1	1	1	1	1	1	1	1	1
North Powerhouse	1	1	1	1	1	1	1	1	1	1
North Shore	1	1	1	1	1	1	1	1	1	1
Weir Depths										
SFE 1	0	0	1	0	1	1	1	0	0	0
NFE 2	0	0	1	0	1	1	1	0	0	1
NSE 1	0	0	0	0	1	1	1	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	1	0	0	0
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	1	1	1	0	0	0	0	0	0	0

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

DATES:	2-Oct	3-Oct	5-Oct	10-Oct	11-Oct	12-Oct	16-Oct	17-Oct	19-Oct	23-Oct
CHANNEL VELOCITIES										
IN SOUTH FISHWAY:	1.5	2.5	2.1	2.5	2.4	2.6	2.7	2.4	2.3	2.3
ELEVATIONS:										
South Fish Ladder										
Forebay	438.9	438.8	438.6	439.4	439.2	438.8	439.7	438.8	439.3	439.2
Exit Pool	438.8	438.8	438.6	439.3	439.2	438.8	439.6	438.8	439.3	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	381.4	381.4	381.3	381.3	381.3	381.3	381.3	381.4	381.4	381.4
D S Picketed Leads	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.2
North Fish Ladder										
Forebay	438.6	438.8	438.5	439.3	439.2	438.8	439.6	438.6	439.3	439.1
Exit Pool	438.6	438.8	438.6	439.3	439.2	438.9	439.6	438.7	439.3	439.1
Makeup Diffuser	434.2	434.2	434.2	434.1	434.2	434.2	434.1	434.1	434.2	434.2
U S Picketed Leads	434.3	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.3
D S Picketed Leads	434.2	434.2	434.2	434.1	434.2	434.2	434.1	434.1	434.2	434.2
Collection Channels										
South Pwrh SG4	342.8	342.8	343.1	341.5	342.0	341.4	341.8	341.9	341.7	342.6
North Pwrh SG2	342.3	342.4	342.6	340.9	341.4	341.1	341.5	341.3	341.3	342.0
North Shore SG30	342.7	343.0	343.0	341.5	341.9	341.7	341.8	341.4	341.4	342.6
Tailwater										
South Pwrh SG3	341.1	341.2	341.4	339.5	340.0	339.4	339.9	340.0	339.7	340.8
North Pwrh SG1	341.0	341.1	341.4	339.4	340.0	339.5	340.0	339.7	339.8	340.7
North Shore SG29	341.3	341.5	341.5	339.7	340.2	339.7	340.0	339.6	339.9	341.0
Entrance Weirs										
SFE 1	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
NFE 2	332.4	332.3	332.4	332.3	332.3	332.3	332.3	332.3	332.3	332.3
NSE 1	333.3	333.4	333.1	332.6	333.1	332.8	332.8	332.3	332.3	333.0
DIFFERENTIALS/DEPTHS:										
South Fish Ladder										
Ladder Exit	0.1	0.0	0.0	0.1	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	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
North Fish Ladder										
Ladder Exit	0.0	0.0	-0.1	0.0	0.0	-0.1	0.0	-0.1	0.0	0.0
Ladder Weirs	1.2	1.2	1.2	1.1	1.2	1.2	1.1	1.1	1.2	1.2
Counting Station	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.0	0.1
Collection Channels										
South Shore	1.7	1.6	1.7	2.0	2.0	2.0	1.9	1.9	2.0	1.8
North Powerhouse	1.3	1.3	1.2	1.5	1.4	1.6	1.5	1.6	1.5	1.3
North Shore	1.4	1.5	1.5	1.8	1.7	2.0	1.8	1.8	1.5	1.6
Weir Depths										
SFE 1	8.8	8.9	9.1	7.2	7.7	7.1	7.6	7.7	7.4	8.5
NFE 2	8.6	8.8	9.0	7.1	7.7	7.2	7.7	7.4	7.5	8.4
NSE 1	8.0	8.1	8.4	7.1	7.1	6.9	7.2	7.3	7.6	8.0
CRITERIA POINTS:										
Channel Velocities	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Differentials										
South Fish Ladder										
Ladder Exit	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Counting Station	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

North Fish Ladder

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

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

South Ladder Differentials (more than 0.2 too low)

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

South Ladder Differentials (0.11 - 0.2 too low)

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

South Ladder Differentials (0.01 - 0.1 too low)

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

South Ladder Differentials (0.01 - 0.1 too high)

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

South Ladder Differentials (0.11 - 0.2 too high)

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

South Ladder Differentials (more than 0.2 too high)

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

North Ladder Differentials (more than 0.2 too low)

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

North Ladder Differentials (0.11 - 0.2 too low)

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

North Ladder Differentials (0.01 - 0.1 too low)

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

North Ladder Differentials (0.01 - 0.1 too high)

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

North Ladder Differentials (0.11 - 0.2 too high)

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

North Ladder Differentials (more than 0.2 too high)

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

Channel/Tailwater Differentials (<0.80)

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

Channel/Tailwater Differentials (0.80 - 0.89)

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

Channel/Tailwater Differentials (0.90 - 0.99):

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

Channel/Tailwater Differentials (2.01 - 2.10)

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

Channel/Tailwater Differentials (2.11 - 2.20)

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

Channel/Tailwater Differentials (>2.20)

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

Entrance Weir Depths (more than 0.2 too low)

SFE 1 (<7.80)	0	0	0	0	0	0	0	0	0	0
NFE 2 (<7.80)	0	0	0	0	0	0	0	0	0	0
NSE 1 (<7.80)	0	0	0	1	1	1	1	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:	24-Oct	26-Oct	30-Oct.	31-Oct	2-Nov	6-Nov	7-Nov	8-Nov	14-Nov	15-Nov
CHANNEL VELOCITIES										
IN SOUTH FISHWAY:	2.6	2.1	2.9	2.7	2.4	2.4	2.6	2.9	2.7	3.1
ELEVATIONS:										
South Fish Ladder										
Forebay	439.0	439.1	439.3	439.2	439.5	439.4	439.0	439.0	439.6	439.1
Exit Pool	439.0	439.1	439.3	439.2	439.4	439.4	439.0	439.0	439.6	439.1
Makeup Diffuser	434.3	434.3	434.3	434.3	434.2	434.3	434.3	434.3	434.3	434.3
U S Picketed Leads	381.3	381.3	381.3	381.4	381.2	381.2	381.2	381.2	381.2	381.2
D S Picketed Leads	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.2
North Fish Ladder										
Forebay	439.1	438.8	439.1	439.2	439.5	439.5	439.0	439.0	439.6	438.9
Exit Pool	439.1	439.0	439.2	439.3	439.4	439.5	439.0	439.0	439.6	438.9
Makeup Diffuser	434.2	434.2	434.1	434.1	434.2	434.2	434.2	434.2	434.2	434.1
U S Picketed Leads	434.3	434.3	434.2	434.2	434.2	434.2	434.2	434.2	434.2	434.1
D S Picketed Leads	434.2	434.2	434.1	434.1	434.2	434.2	434.2	434.2	434.2	434.1
Collection Channels										
South Pwrh SG4	341.7	343.2	342.0	342.0	341.9	342.0	341.5	341.1	342.5	341.5
North Pwrh SG2	341.2	342.7	341.5	341.5	341.4	341.3	341.0	340.7	342.0	340.8
North Shore SG30	341.6	342.4	341.7	341.8	341.4	341.6	341.1	341.0	342.3	340.9
Tailwater										
South Pwrh SG3	339.7	341.5	340.0	340.0	339.9	340.0	339.7	339.1	340.7	339.1
North Pwrh SG1	339.8	341.5	340.0	340.1	340.0	340.0	339.6	339.3	340.7	339.2
North Shore SG29	339.7	341.3	340.0	340.1	340.0	340.0	339.3	339.1	340.6	338.9
Entrance Weirs										
SFE 1	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
NFE 2	332.3	332.4	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
NSE 1	332.7	332.4	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	0.1	0.0	0.0	0.0	0.0	0.0
Ladder Weirs	1.3	1.3	1.3	1.3	1.2	1.3	1.3	1.3	1.3	1.3
Counting Station	0.1	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0
North Fish Ladder										
Ladder Exit	0.0	-0.2	-0.1	-0.1	0.1	0.0	0.0	0.0	0.0	0.0
Ladder Weirs	1.2	1.2	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.1
Counting Station	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Collection Channels										
South Shore	2.0	1.7	2.0	2.0	2.0	2.0	1.8	2.0	1.8	2.4
North Powerhouse	1.4	1.2	1.5	1.4	1.4	1.3	1.4	1.4	1.3	1.6
North Shore	1.9	1.1	1.7	1.7	1.4	1.6	1.8	1.9	1.7	2.0
Weir Depths										
SFE 1	7.4	9.2	7.7	7.7	7.6	7.7	7.4	6.8	8.4	6.8
NFE 2	7.5	9.1	7.7	7.8	7.7	7.7	7.3	7.0	8.4	6.9
NSE 1	7.0	8.9	7.5	7.8	7.7	7.7	7.0	6.8	8.3	6.6
CRITERIA POINTS:										
Channel Velocities	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Differentials										
South Fish Ladder										
Ladder Exit	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Counting Station	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

North Fish Ladder

Ladder Exit	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Counting Station	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Collection Channels										
South Shore	YES	YES	YES	YES	YES	YES	YES	YES	YES	NO
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	YES	SILL	SILL	SILL	SILL	SILL	SILL	YES	SILL
NFE 2	SILL	YES	SILL	SILL	SILL	SILL	SILL	SILL	YES	SILL
NSE 1	NO	YES	NO	SILL	SILL	SILL	SILL	SILL	YES	SILL

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

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

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

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

South Ladder Differentials (more than 0.2 too low)

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

South Ladder Differentials (0.11 - 0.2 too low)

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

South Ladder Differentials (0.01 - 0.1 too low)

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

South Ladder Differentials (0.01 - 0.1 too high)

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

South Ladder Differentials (0.11 - 0.2 too high)

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

South Ladder Differentials (more than 0.2 too high)

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

North Ladder Differentials (more than 0.2 too low)

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

North Ladder Differentials (0.11 - 0.2 too low)

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

North Ladder Differentials (0.01 - 0.1 too low)

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

North Ladder Differentials (0.01 - 0.1 too high)

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

North Ladder Differentials (0.11 - 0.2 too high)

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

North Ladder Differentials (more than 0.2 too high)

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

Channel/Tailwater Differentials (<0.80)

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

Channel/Tailwater Differentials (0.80 - 0.89)

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

Channel/Tailwater Differentials (0.90 - 0.99):

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

Channel/Tailwater Differentials (2.01 - 2.10)

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

Entrance Weir Depths (more than 0.2 too low)

SFE 1 (<7.80)	0	0	0	0	0	0	0	0	0	0
NFE 2 (<7.80)	0	0	0	0	0	0	0	0	0	0
NSE 1 (<7.80)	1	0	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	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:	16-Nov	20-Nov	21-Nov	22-Nov	27-Nov	28-Nov	29-Nov	4-Dec	5-Dec	6-Dec
CHANNEL VELOCITIES										
IN SOUTH FISHWAY:	2.8	2.8	2.5	3.4	2.3	2.3	2.5	2.6	2.6	2.8
ELEVATIONS:										
South Fish Ladder										
Forebay	439.0	439.0	439.2	439.4	438.6	438.7	438.9	439.0	439.0	439.0
Exit Pool	439.0	439.0	439.2	439.4	438.6	438.7	438.9	438.9	439.0	438.9
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	381.2	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	438.7	439.0	439.3	439.4	438.6	438.7	438.9	438.9	438.9	438.9
Exit Pool	438.7	439.0	439.2	439.3	438.6	438.8	439.0	438.9	439.0	438.9
Makeup Diffuser	434.0	434.2	434.2	434.1	434.1	434.0	434.1	434.3	434.3	434.2
U S Picketed Leads	434.0	434.2	434.2	434.1	434.1	434.0	434.1	434.3	434.3	434.2
D S Picketed Leads	434.0	434.2	434.2	434.1	434.1	434.0	434.1	434.3	434.3	434.2
Collection Channels										
South Pwrh SG4	342.4	341.7	341.7	341.5	342.7	342.9	343.8	342.0	343.0	342.7
North Pwrh SG2	341.5	341.1	341.3	341.0	342.1	342.4	343.1	341.3	342.5	342.0
North Shore SG30	341.6	341.2	341.3	341.2	342.2	342.4	343.3	341.7	341.9	342.5
Tailwater										
South Pwrh SG3	340.4	339.7	339.8	339.5	341.0	341.3	342.2	340.1	341.4	341.0
North Pwrh SG1	340.2	339.7	339.9	339.5	340.9	341.3	342.0	340.0	341.5	340.8
North Shore SG29	340.2	339.6	339.7	339.5	341.0	341.2	341.8	340.0	340.2	341.0
Entrance Weirs										
SFE 1	332.3	332.3	332.3	332.3	332.3	332.3	332.4	332.3	332.5	332.3
NFE 2	332.3	332.3	332.3	332.3	332.3	332.3	332.9	332.3	332.3	332.3
NSE 1	332.3	332.3	332.2	332.3	332.3	332.3	332.7	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	0.1
Ladder Weirs	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Counting Station	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
North Fish Ladder										
Ladder Exit	0.0	0.0	0.1	0.1	0.0	-0.1	-0.1	0.0	-0.1	0.0
Ladder Weirs	1.0	1.2	1.2	1.1	1.1	1.0	1.1	1.3	1.3	1.2
Counting Station	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Collection Channels										
South Shore	2.0	2.0	1.9	2.0	1.7	1.6	1.6	1.9	1.6	1.7
North Powerhouse	1.3	1.4	1.4	1.5	1.2	1.1	1.1	1.3	1.0	1.2
North Shore	1.4	1.6	1.6	1.7	1.2	1.2	1.5	1.7	1.7	1.5
Weir Depths										
SFE 1	8.1	7.4	7.5	7.2	8.7	9.0	9.8	7.8	8.9	8.7
NFE 2	7.9	7.4	7.6	7.2	8.6	9.0	9.1	7.7	9.2	8.5
NSE 1	7.9	7.3	7.5	7.2	8.7	8.9	9.1	7.7	7.9	8.7
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	SILL	SILL	SILL	YES	YES	YES	SILL	YES	YES
NFE 2	SILL	SILL	SILL	SILL	YES	YES	YES	SILL	YES	YES
NSE 1	SILL	SILL	SILL	SILL	YES	YES	YES	SILL	SILL	YES

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

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

SILL	(Output = 0, 1, or NA)									
Weir Depths										
SFE 1	0	1	1	1	0	0	0	1	0	0
NFE 2	1	1	1	1	0	0	0	1	0	0
NSE 1	1	1	1	1	0	0	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	0	0
Counting Station	Not applicable.									

South Ladder Differentials (0.11 - 0.2 too low)

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

South Ladder Differentials (0.01 - 0.1 too low)

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

South Ladder Differentials (0.01 - 0.1 too high)

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

South Ladder Differentials (0.11 - 0.2 too high)

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

South Ladder Differentials (more than 0.2 too high)

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

North Ladder Differentials (more than 0.2 too low)

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

North Ladder Differentials (0.11 - 0.2 too low)

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

North Ladder Differentials (0.01 - 0.1 too low)

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

North Ladder Differentials (0.01 - 0.1 too high)

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

North Ladder Differentials (0.11 - 0.2 too high)

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

North Ladder Differentials (more than 0.2 too high)

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

Channel/Tailwater Differentials (<0.80)

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

Channel/Tailwater Differentials (0.80 - 0.89)

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

Channel/Tailwater Differentials (0.90 - 0.99):

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

Channel/Tailwater Differentials (2.01 - 2.10)

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

Channel/Tailwater Differentials (2.11 - 2.20)

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

Channel/Tailwater Differentials (>2.20)

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

Entrance Weir Depths (more than 0.2 too low)

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

Entrance Weir Depths (0.11 - 0.2 too low)

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

Entrance Weir Depths (0.01 - 0.1 too low)

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

APPENDIX 1. ICE HARBOR ADULT FISHWAY INSPECTIONS

DATES:	7-Dec	11-Dec	12-Dec	13-Dec	18-Dec	19-Dec	21-Dec	26-Dec	27-Dec
CHANNEL VELOCITIES IN SOUTH FISHWAY:	2.3	2.5	2.3	2.3	3.1	2.3	2.7	2.2	3.2
ELEVATIONS:									
South Fish Ladder									
Forebay	439.3	438.8	438.9	438.6	438.4	439	438.7	438.4	439.5
Exit Pool	439.3	438.7	438.9	438.6	438.4	439	438.7	438.3	439.4
Makeup Diffuser	434.3	434.3	434.3	434.3	434.3	434.3	434.3	434.3	434.3
U S Picketed Leads	381.2	381.2	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
North Fish Ladder									
Forebay	439.4	438.7	438.9	438.6	438.2	438.9	438.6	438.3	439.5
Exit Pool	439.4	438.7	438.9	438.7	438.2	439	438.7	438.4	439.5
Makeup Diffuser	434.2	434.2	434.1	434.2	434.1	434.2	434.1	434.2	434.2
U S Picketed Leads	434.2	434.2	434.1	434.2	434.1	434.2	434.1	434.2	434.2
D S Picketed Leads	434.2	434.2	434.1	434.2	434.1	434.2	434.1	434.2	434.2
Collection Channels									
South Pwrh SG4	343	342.5	343.4	342.8	341.3	342.6	343.2	342.4	341.8
North Pwrh SG2	342.5	342.1	342.7	342.1	340.7	342	342.6	341.8	341.4
North Shore SG30	342.5	342.1	342.5	342.3	341	342.1	342.6	342	341.9
Tailwater									
South Pwrh SG3	341.3	340.8	341.6	341.1	339	340.8	341.5	340.7	340.1
North Pwrh SG1	341.3	340.8	341.6	341	339	340.7	341.5	340.7	340.2
North Shore SG29	341.2	340.8	341.4	340.8	339.1	340.8	341.4	340.8	340.3
Entrance Weirs									
SFE 1	332.4	332.3	332.7	332.3	332.3	332.3	333.3	332.5	332.3
NFE 2	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
NSE 1	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3	332.3
DIFFERENTIALS/DEPTHS:									
South Fish Ladder									
Ladder Exit	0	0.1	0	0	0	0	0	0.1	0.1
Ladder Weirs	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Counting Station	0	0	0	0	0	0	0	0	0
North Fish Ladder									
Ladder Exit	0	0	0	-0.1	0	-0.1	-0.1	-0.1	0
Ladder Weirs	1.2	1.2	1.1	1.2	1.1	1.2	1.1	1.2	1.2
Counting Station	0	0	0	0	0	0	0	0	0
Collection Channels									
South Shore	1.7	1.7	1.8	1.7	2.3	1.8	1.7	1.7	1.7
North Powerhouse	1.2	1.3	1.1	1.1	1.7	1.3	1.1	1.1	1.2
North Shore	1.3	1.3	1.1	1.5	1.9	1.3	1.2	1.2	1.6
Weir Depths									
SFE 1	8.9	8.5	8.9	8.8	6.7	8.5	8.2	8.2	7.8
NFE 2	9	8.5	9.3	8.7	6.7	8.4	9.2	8.4	7.9
NSE 1	8.9	8.5	9.1	8.5	6.8	8.5	9.1	8.5	8

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

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

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

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

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

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	Not Enough Depth---------- No./% Within 0.11-0.2 Foot	No./% >0.2 Foot	No./% Within 0.01-0.1 Foot	Too Much Depth---------- No./% Within 0.11-0.2 Foot	No./% >0.2 Foot
Channel Velocities	115	88.5	***	***	***	***	***	***
	***	***	***	***	***	***	***	***
	130							
Differentials								
South Fish Ladder								
Ladder Exit	130	100.0	***	***	***	0	0	0
	***	***	***	***	***	0.0	0.0	0.0
	130							
Ladder Weirs	130	100.0	0	0	0	0	0	0
	***	***	0.0	0.0	0.0	0.0	0.0	0.0
	130							
Counting Station	130	100.0	***	***	***	0	0	0
	***	***	***	***	***	0.0	0.0	0.0
	130							
North Fish Ladder								
Ladder Exit	129	99.2	***	***	***	0	0	1
	***	***	***	***	***	0.0	0.0	0.8
	130							
Ladder Weirs	130	100.0	0	0	0	0	0	0
	***	***	0.0	0.0	0.0	0.0	0.0	0.0
	130							
Counting Station		0.0	***	***	***	0	0	0
	***	***	***	***	***	0.0	0.0	0.0
	130							
Collection Channels								
South Shore	127	97.7	0	0	0	0	1	2
	***	***	0.0	0.0	0.0	0.0	0.8	1.5
	130							
North Powerhouse	129	99.2	0	0	0	1	0	0
	***	***	0.0	0.0	0.0	0.8	0.0	0.0
	130							
North Shore	122	93.8	0	0	3	0	0	5
	***	***	0.0	0.0	2.3	0.0	0.0	3.8
	130							
Weir Depths								
SFE 1	75	57.7	0	0	0	***	***	***
	43	33.1	0.0	0.0	0.0	***	***	***
	130							
NFE 2	87	66.9	0	1	0	***	***	***
	42	32.3	0.0	0.8	0.0	***	***	***
	130							
NSE 1	69	53.1	12	0	19	***	***	***
	42	32.3	9.2	0.0	14.6	***	***	***
	130							