Appendix 1

APPENDIX 1. LOWER MONUMENTAL ADULT FISHWAY INSPECTIONS	**2023**									
DATES:	3-Mar	4-Mar	5-Mar	6-Mar	8-Mar	9-Mar	10-Mar	11-Mar	12-Mar	14-Mar
CHAN'L VELOCITIES (N):	2.7	1.5	2.3	2.5	2.4	3.0	1.5	2.9	1.9	2.0
Turbidity	7.0	6.7	6.8	6.6	6.7	7.0	6.3	6.9	6.6	7.0
ELEVATIONS:										
North Fish Ladder										
Forebay: SG7N	538.8	538.6	538.4	538.8	538.5	539.0	538.9	539.0	539.1	539.0
Exit Pool: SG1N	538.6	538.5	538.3	538.8	538.7	539.0	538.9	539.0	539.1	538.9
Makeup Diffuser: SG2N	534.0	534.1	534.0	534.2	534.1	534.1	534.0	534.1	534.1	534.1
U S Picketed Leads: SG3N	468.2	468.2	468.2	468.1	468.1	468.2	468.2	468.2	468.2	468.1
D S Picketed Leads: SG4N	468.0	468.0	468.0	467.9	467.9	468.0	468.0	468.0	468.0	467.9
South Fish Ladder										
Forebay: SG1S	538.7	538.5	538.4	538.8	539.0	539.2	538.9	539.0	539.0	539.0
Exit Pool: SG4S	538.5	538.4	538.3	538.8	538.8	539.0	538.7	538.9	539.0	538.9
Makeup Diffuser: SG2S	534.0	534.0	534.0	534.1	534.1	534.1	534.1	534.1	534.1	534.1
U S Picketed Leads: SG3S	534.0	534.0	534.0	534.1	534.1	534.1	534.0	534.1	534.1	534.1
D S Picketed Leads: SG2S	534.0	534.0	534.0	534.1	534.1	534.1	534.0	534.1	534.1	534.1
Collection Channels										
North Shore: SG10N	440.8	441.5	440.9	440.6	440.6	440.7	439.9	440.3	440.7	440.4
South Powerhouse: SG12N	440.7	441.4	440.8	440.4	440.6	440.6	439.7	440.0	440.5	440.2
South Shore: Channel CES	441.0	441.3	440.7	440.6	440.3	440.7	440.8	440.0	440.5	440.4
Tailwater										
North Shore: SG6N	439.2	440.2	439.6	439.3	439.3	439.4	438.5	439.1	439.4	439.1
South Powerhouse: SG9N	439.6	440.3	439.6	439.3	439.4	439.4	438.5	438.7	439.4	439.1
South Shore: Tailwater TWS	440.0	439.9	439.2	439.2	438.9	439.3	439.1	438.6	439.3	439.1
Entrance Weirs										
NSE-1	431.0	431.0	431.0	431.0	431.0	431.0	430.4	431.0	431.0	431.1
NSE-2	431.0	431.1	431.0	431.0	431.0	431.0	430.4	431.0	431.1	431.1
SPE-1	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0
SPE-2	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0
SSE-1	431.1	431.7	431.7	431.2	431.8	431.7	431.7	431.0	431.3	431.0
SSE-2 (feet above sill)	9.0	6.3	6.0	6.0	6.0	6.0	3.5	6.0	6.0	6.0
DIFFERENTIALS/DEPTHS:										
North Fish Ladder										
Ladder Exit	0.2	0.1	0.1	0.0	-0.2	0.0	0.0	0.0	0.0	0.1
Ladder Weirs	1.0	1.1	1.0	1.2	1.1	1.1	1.0	1.1	1.1	1.1
Counting Station	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
South Fish Ladder										
Ladder Exit	0.2	0.1	0.1	0.0	0.2	0.2	0.2	0.1	0.0	0.1
Ladder Weirs	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Counting Station	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Collection Channels										
North Shore	1.6	1.3	1.3	1.3	1.3	1.3	1.4	1.2	1.3	1.3
South Powerhouse	1.1	1.1	1.2	1.1	1.2	1.2	1.2	1.3	1.1	1.1
South Shore	1.0	1.4	1.5	1.4	1.4	1.4	1.7	1.4	1.2	1.3
Weir Depths										
NSE-1	8.2	9.2	8.6	8.3	8.3	8.4	8.1	8.1	8.4	8.0
NSE-2	8.2	9.1	8.6	8.3	8.3	8.4	8.1	8.1	8.3	8.0
SPE-1	7.6	8.3	7.6	7.3	7.4	7.4	6.5	6.7	7.4	7.1
SPE-2	7.6	8.3	7.6	7.3	7.4	7.4	6.5	6.7	7.4	7.1
SSE-1	8.9	8.2	7.5	8.0	7.1	7.6	7.4	7.6	8.0	8.1
SSE-2 (feet above sill)	9.0	6.3	6.0	6.0	6.0	6.0	3.5	6.0	6.0	6.0

Weir Depths										
NSE-1	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
NSE-2	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
SPE-1	SILL	YES	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL
SPE-2	SILL	YES	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL
SSE-1	YES	YES	NO	YES	NO	NO	NO	SILL	YES	YES
SSE-2 (feet above sill)	NO	NO	YES	YES	YES	YES	NO	YES	YES	YES

CRITERIA POINTS: YES	(Output = 0, 1, or NA)									
Channel Velocities	1	1	1	1	1	1	1	1	1	1
Differentials										
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
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
Collection Channels										
North Shore	1	1	1	1	1	1	1	1	1	1
South Powerhouse	1	1	1	1	1	1	1	1	1	1
South Shore	1	1	1	1	1	1	1	1	1	1
Weir Depths										
NSE-1	1	1	1	1	1	1	1	1	1	1
NSE-2	1	1	1	1	1	1	1	1	1	1
SPE-1	0	1	0	0	0	0	0	0	0	0
SPE-2	0	1	0	0	0	0	0	0	0	0
SSE-1	1	1	0	1	0	0	0	0	1	1
SSE-2 (feet above sill)	0	0	1	1	1	1	0	1	1	1

CRITERIA POINTS: NO	(Output = 0, 1, or NA)									
Channel Velocities	0	0	0	0	0	0	0	0	0	0
Differentials										
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
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
Collection Channels										
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0
Weir Depths										
NSE-1	0	0	0	0	0	0	0	0	0	0
NSE-2	0	0	0	0	0	0	0	0	0	0
SPE-1	0	0	0	0	0	0	0	0	0	0
SPE-2	0	0	0	0	0	0	0	0	0	0
SSE-1	0	0	1	0	1	1	1	0	0	0
SSE-2 (feet above sill)	1	1	0	0	0	0	1	0	0	0

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

NSE-1	0	0	0	0	0	0	0	0	0	0
NSE-2	0	0	0	0	0	0	0	0	0	0
SPE-1	1	0	1	1	1	1	1	1	1	1
SPE-2	1	0	1	1	1	1	1	1	1	1
SSE-1	0	0	0	0	0	0	0	1	0	0
SSE-2 (feet above sill)										

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

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

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
Channel/Tailwater Differentials (<0.80)										
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (0.80 - 0.89)										
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (0.90 - 0.99):										
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (2.01 - 2.10)										
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (2.11 - 2.20)										
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (>2.20)										
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0
Entrance Weir Depths (more than 0.2 too low)										
NSE-1 **(<7.80)**	0	0	0	0	0	0	0	0	0	0
NSE-2 **(<7.80)**	0	0	0	0	0	0	0	0	0	0
SPE-1 **(<7.80)**	0	0	0	0	0	0	0	0	0	0
SPE-2 **(<7.80)**	0	0	0	0	0	0	0	0	0	0
SSE-1 **(<7.80)**	0	0	1	0	1	1	1	0	0	0
SSE-2 **(set 6 ft above sill)**	Not Applic.									

Entrance Weir Depths (0.11 - 0.2 too low)										
NSE-1 **(7.80 - 7.89)**	0	0	0	0	0	0	0	0	0	0
NSE-2 **(7.80 - 7.89)**	0	0	0	0	0	0	0	0	0	0
SPE-1 **(7.80 - 7.89)**	0	0	0	0	0	0	0	0	0	0
SPE-2 **(7.80 - 7.89)**	0	0	0	0	0	0	0	0	0	0
SSE-1 **(7.80 - 7.89)**	0	0	0	0	0	0	0	0	0	0
SSE-2 **(set 6 ft above sill)**	Not Applic.									
Entrance Weir Depths (0.01 - 0.1 too low)										
NSE-1 **(7.90 - 7.99)**	0	0	0	0	0	0	0	0	0	0
NSE-2 **(7.90 - 7.99)**	0	0	0	0	0	0	0	0	0	0
SPE-1 **(7.90 - 7.99)**	0	0	0	0	0	0	0	0	0	0
SPE-2 **(7.90 - 7.99)**	0	0	0	0	0	0	0	0	0	0
SSE-1 **(7.90 - 7.99)**	0	0	0	0	0	0	0	0	0	0
SSE-2 **(set 6 ft above sill)**	Not Applic.									

DATES:	17-Mar	18-Mar	19-Mar	20-Mar	23-Mar	24-Mar	25-Mar	26-Mar	29-Mar	31-Mar	1-Apr
CHAN'L VELOCITIES (N):	2.3	2.0	1.5	2.3	2.5	2.5	2.4	3.0	1.8	2.3	2.6
Turbidity	7.0	6.9	6.8	6.5	5.9	3.9	4.9	4.4	4.5	4.4	4.6
ELEVATIONS:											
North Fish Ladder											
Forebay: SG7N	539.0	539.0	538.9	539.2	538.8	539.0	538.5	539.1	538.8	537.6	538.4
Exit Pool: SG1N	538.9	538.9	538.5	539.1	538.8	538.9	538.4	539.0	538.8	537.6	538.3
Makeup Diffuser: SG2N	534.2	534.1	534.1	534.1	534.0	534.1	534.1	534.2	534.0	534.1	534.2
U S Picketed Leads: SG3N	468.1	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.0	468.2	468.1
D S Picketed Leads: SG4N	468.0	468.0	468.0	468.0	468.0	468.0	468.0	468.0	468.0	468.0	468.0
South Fish Ladder											
Forebay: SG1S	538.9	539.0	538.8	539.4	539.6	538.8	538.5	539.1	537.6	537.7	538.4
Exit Pool: SG4S	538.8	538.9	538.7	539.2	539.6	538.8	538.4	539.0	537.5	537.6	538.2
Makeup Diffuser: SG2S	534.1	534.1	534.1	534.2	534.1	534.1	534.0	534.1	534.0	533.8	534.2
U S Picketed Leads: SG3S	534.1	534.1	534.1	534.2	534.1	534.1	534.0	534.2	534.0	533.8	534.2
D S Picketed Leads: SG2S	534.1	534.1	534.1	534.2	534.1	534.1	534.0	534.1	534.0	533.8	534.2
Collection Channels											
North Shore: SG10N	440.2	440.5	440.6	440.8	441.3	441.3	440.5	440.3	440.7	440.0	439.6
South Powerhouse: SG12N	440.0	440.3	440.4	440.8	441.2	441.1	440.4	440.2	440.8	439.9	439.6
South Shore: Channel CES	440.0	440.2	440.3	440.9	441.2	441.5	440.7	440.5	440.5	440.1	439.8
Tailwater											
North Shore: SG6N	439.0	439.1	439.4	439.6	440.1	440.2	439.1	439.3	439.5	438.7	438.2
South Powerhouse: SG9N	438.9	439.2	439.3	439.8	440.1	440.0	439.2	439.0	439.0	438.6	438.3
South Shore: Tailwater TWS	438.9	438.9	439.0	439.6	440.1	440.2	439.3	439.5	439.5	438.6	438.3
Entrance Weirs											
NSE-1	430.9	431.1	431.3	431.5	432.0	432.2	430.9	430.9	431.4	430.6	430.1
NSE-2	431.0	431.0	431.4	431.5	432.0	432.1	431.0	430.8	431.5	430.6	430.2
SPE-1	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0
SPE-2	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0
SSE-1	431.0	431.0	431.0	431.6	432.0	432.1	431.3	431.5	431.5	431.0	431.0
SSE-2 (feet above sill)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
DIFFERENTIALS/DEPTHS:											
North Fish Ladder											
Ladder Exit	0.1	0.1	0.4	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.1
Ladder Weirs	1.2	1.1	1.1	1.1	1.0	1.1	1.1	1.2	1.0	1.1	1.2
Counting Station	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.2	0.1
South Fish Ladder											
Ladder Exit	0.1	0.1	0.1	0.2	0.0	0.0	0.1	0.1	0.1	0.1	0.2
Ladder Weirs	1.1	1.1	1.1	1.2	1.1	1.1	1.0	1.1	1.0	0.8	1.2
Counting Station	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Collection Channels											
North Shore	1.2	1.4	1.2	1.2	1.2	1.1	1.4	1.0	1.2	1.3	1.4
South Powerhouse	1.1	1.1	1.1	1.0	1.1	1.1	1.2	1.2	1.8	1.3	1.3
South Shore	1.1	1.3	1.3	1.3	1.1	1.3	1.4	1.0	1.0	1.5	1.5
Weir Depths											
NSE-1	8.1	8.0	8.1	8.1	8.1	8.0	8.2	8.4	8.1	8.1	8.1
NSE-2	8.0	8.1	8.0	8.1	8.1	8.1	8.1	8.5	8.0	8.1	8.0
SPE-1	6.9	7.2	7.3	7.8	8.1	8.0	7.2	7.0	7.0	6.6	6.3
SPE-2	6.9	7.2	7.3	7.8	8.1	8.0	7.2	7.0	7.0	6.6	6.3
SSE-1	7.9	7.9	8.0	8.0	8.1	8.1	8.0	8.0	8.0	7.6	7.3
SSE-2 (feet above sill)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0

CRITERIA POINTS:

Channel Velocities	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Differentials											
North Fish Ladder											
Ladder Exit	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Counting Station	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
South Fish Ladder											
Ladder Exit	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	YES	YES	YES	YES	YES	YES	YES	YES	YES	NO	YES
Counting Station	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Collection Channels											
North Shore	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
South Powerhouse	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
South Shore	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Weir Depths											
NSE-1	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
NSE-2	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
SPE-1	SILL	SILL	SILL	SILL	YES	YES	SILL	SILL	SILL	SILL	SILL
SPE-2	SILL	SILL	SILL	SILL	YES	YES	SILL	SILL	SILL	SILL	SILL
SSE-1	SILL	SILL	YES	YES	YES	YES	YES	YES	YES	SILL	SILL
SSE-2 (feet above sill)	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

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

(Output = 0, 1, or NA)

Channel Velocities	1	1	1	1	1	1	1	1	1	1	1
Differentials											
North Fish Ladder											
Ladder Exit	1	1	1	1	1	1	1	1	1	1	1
Ladder Weirs	1	1	1	1	1	1	1	1	1	1	1
Counting Station	1	1	1	1	1	1	1	1	1	1	1
South Fish Ladder											
Ladder Exit	1	1	1	1	1	1	1	1	1	1	1
Ladder Weirs	1	1	1	1	1	1	1	1	1	0	1
Counting Station	1	1	1	1	1	1	1	1	1	1	1
Collection Channels											
North Shore	1	1	1	1	1	1	1	1	1	1	1
South Powerhouse	1	1	1	1	1	1	1	1	1	1	1
South Shore	1	1	1	1	1	1	1	1	1	1	1
Weir Depths											
NSE-1	1	1	1	1	1	1	1	1	1	1	1
NSE-2	1	1	1	1	1	1	1	1	1	1	1
SPE-1	0	0	0	0	1	1	0	0	0	0	0
SPE-2	0	0	0	0	1	1	0	0	0	0	0
SSE-1	0	0	1	1	1	1	1	1	1	0	0
SSE-2 (feet above sill)	1	1	1	1	1	1	1	1	1	1	1

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

(Output = 0, 1, or NA)

Channel Velocities	0	0	0	0	0	0	0	0	0	0	0
Differentials											
North Fish Ladder											
Ladder Exit	0	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0	0

South Fish Ladder											
Ladder Exit	0	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	1	0
Counting Station	0	0	0	0	0	0	0	0	0	0	0
Collection Channels											
North Shore	0	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0	0
Weir Depths											
NSE-1	0	0	0	0	0	0	0	0	0	0	0
NSE-2	0	0	0	0	0	0	0	0	0	0	0
SPE-1	0	0	0	0	0	0	0	0	0	0	0
SPE-2	0	0	0	0	0	0	0	0	0	0	0
SSE-1	0	0	0	0	0	0	0	0	0	0	0
SSE-2 (feet above sill)	0	0	0	0	0	0	0	0	0	0	0

CRITERIA POINTS: SILL (Output = 0, 1, or NA)											(Output = 0, 1, or NA)
Weir Depths											
NSE-1	0	0	0	0	0	0	0	0	0	0	0
NSE-2	0	0	0	0	0	0	0	0	0	0	0
SPE-1	1	1	1	1	0	0	1	1	1	1	1
SPE-2	1	1	1	1	0	0	1	1	1	1	1
SSE-1	1	1	0	0	0	0	0	0	0	1	1
SSE-2 (feet above sill)											

North Ladder Differentials (more than 0.2 too low)

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

North Ladder Differentials (0.11 - 0.2 too low)

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

North Ladder Differentials (0.01 - 0.1 too low)

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

North Ladder Differentials (0.01 - 0.1 too high)

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

South Ladder Differentials (more than 0.2 too low)

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

South Ladder Differentials (0.11 - 0.2 too low)											
Ladder Exit	Not applicable.										Not applicable.
Ladder Weirs	0	0	0	0	0	0	0	0	0	1	0
Counting Station	Not applicable.										Not applicable.
South Ladder Differentials (0.01 - 0.1 too low)											
Ladder Exit	Not applicable.										Not applicable.
Ladder Weirs	0	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicable.										Not applicable.
South Ladder Differentials (0.01 - 0.1 too high)											
Ladder Exit	0	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0	0
Counting Station	0	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	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0	0
Counting Station	0	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	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (<0.80)											
North Shore	0	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (0.80 - 0.89)											
North Shore	0	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (0.90 - 0.99):											
North Shore	0	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (2.01 - 2.10)											
North Shore	0	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (2.11 - 2.20)											
North Shore	0	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (>2.20)											
North Shore	0	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0	0

Entrance Weir Depths (more than 0.2 too low)											
NSE-1 (<7.80)	0	0	0	0	0	0	0	0	0	0	0
NSE-2 (<7.80)	0	0	0	0	0	0	0	0	0	0	0
SPE-1 (<7.80)	0	0	0	0	0	0	0	0	0	0	0
SPE-2 (<7.80)	0	0	0	0	0	0	0	0	0	0	0
SSE-1 (<7.80)	0	0	0	0	0	0	0	0	0	0	0
SSE-2 (set 6 ft above sill)	Not Applic.										
Entrance Weir Depths (0.11 - 0.2 too low)											
NSE-1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0	0
NSE-2 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0	0
SPE-1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0	0
SPE-2 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0	0
SSE-1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0	0
SSE-2 (set 6 ft above sill)	Not Applic.										
Entrance Weir Depths (0.01 - 0.1 too low)											
NSE-1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0	0
NSE-2 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0	0
SPE-1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0	0
SPE-2 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0	0
SSE-1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0	0
SSE-2 (set 6 ft above sill)	Not Applic.										

DATES:	2-Apr	4-Apr	7-Apr	8-Apr	10-Apr	13-Apr	14-Apr	15-Apr	16-Apr	18-Apr
CHAN'L VELOCITIES (N):	2.7	2.3	2.6	1.9	2.6	2.4	2.8	2.5	2.3	2.5
Turbidity	4.3	4.2	4.8	4.6	4.9	5.1	5.0	4.3	3.9	3.8
ELEVATIONS:										
North Fish Ladder										
Forebay: SG7N	537.7	537.8	537.7	538.4	538.3	537.6	537.6	537.9	537.4	537.7
Exit Pool: SG1N	537.6	537.8	537.5	538.2	538.0	537.3	537.5	537.8	537.4	537.6
Makeup Diffuser: SG2N	534.1	534.1	534.2	534.2	534.2	534.2	534.1	534.1	534.1	534.1
U S Picketed Leads: SG3N	468.2	468.2	468.2	468.2	468.2	468.0	468.1	468.1	468.0	468.1
D S Picketed Leads: SG4N	468.0	468.0	468.0	468.0	468.0	468.0	467.9	467.9	467.9	467.9
South Fish Ladder										
Forebay: SG1S	537.8	537.9	537.7	538.4	538.0	537.8	537.6	537.9	537.6	537.8
Exit Pool: SG4S	537.6	537.8	537.5	538.2	538.0	537.5	537.4	537.7	537.3	537.7
Makeup Diffuser: SG2S	534.2	534.2	534.0	534.1	534.0	534.0	534.1	534.1	534.2	534.2
U S Picketed Leads: SG3S	534.2	534.2	534.2	534.1	534.2	534.2	534.1	534.1	534.2	534.2
D S Picketed Leads: SG2S	534.2	534.2	534.0	534.1	534.0	534.0	534.1	534.1	534.2	534.2
Collection Channels										
North Shore: SG10N	439.9	438.8	438.8	438.9	439.0	440.1	439.7	439.4	439.2	439.6
South Powerhouse: SG12N	439.6	438.8	438.9	439.0	439.0	439.9	439.7	439.3	439.1	439.6
South Shore: Channel CES	440.1	438.6	438.5	438.7	438.9	439.1	438.9	438.6	438.5	438.9
Tailwater										
North Shore: SG6N	438.2	437.5	437.3	437.6	437.8	439.1	438.3	438.1	437.8	438.3
South Powerhouse: SG9N	438.3	437.2	437.3	437.6	437.5	438.9	438.3	437.9	437.8	438.5
South Shore: Tailwater TWS	438.5	436.9	436.9	437.2	437.6	437.4	437.0	436.6	436.5	437.3
Entrance Weirs										
NSE-1	430.2	429.4	429.2	429.5	429.6	430.6	430.2	429.8	429.7	430.1
NSE-2	430.2	429.4	429.3	429.6	429.7	430.6	430.2	429.9	429.8	430.2
SPE-1	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0
SPE-2	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0
SSE-1	431.0	431.0	431.0	431.0	431.0	431.0	431.0	431.0	431.0	431.0
SSE-2 (feet above sill)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
DIFFERENTIALS/DEPTHS:										
North Fish Ladder										
Ladder Exit	0.1	0.0	0.2	0.2	0.3	0.3	0.1	0.1	0.0	0.1
Ladder Weirs	1.1	1.1	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1
Counting Station	0.2	0.2	0.2	0.2	0.2	0.0	0.2	0.2	0.1	0.2
South Fish Ladder										
Ladder Exit	0.2	0.1	0.2	0.2	0.0	0.3	0.2	0.2	0.3	0.1
Ladder Weirs	1.2	1.2	1.0	1.1	1.0	1.0	1.1	1.1	1.2	1.2
Counting Station	0.0	0.0	0.2	0.0	0.2	0.2	0.0	0.0	0.0	0.0
Collection Channels										
North Shore	1.7	1.3	1.5	1.3	1.2	1.0	1.4	1.3	1.4	1.3
South Powerhouse	1.3	1.6	1.6	1.4	1.5	1.0	1.4	1.4	1.3	1.1
South Shore	1.6	1.7	1.6	1.5	1.3	1.7	1.9	2.0	2.0	1.6
Weir Depths										
NSE-1	8.0	8.1	8.1	8.1	8.2	8.5	8.1	8.3	8.1	8.2
NSE-2	8.0	8.1	8.0	8.0	8.1	8.5	8.1	8.2	8.0	8.1
SPE-1	6.3	5.2	5.3	5.6	5.5	6.9	6.3	5.9	5.8	6.5
SPE-2	6.3	5.2	5.3	5.6	5.5	6.9	6.3	5.9	5.8	6.5
SSE-1	7.5	5.9	5.9	6.2	6.6	6.4	6.0	5.6	5.5	6.3
SSE-2 (feet above sill)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0

CRITERIA POINTS:										
Channel Velocities Differentials	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
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
Collection Channels										
North Shore	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
South Powerhouse	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
South Shore	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Weir Depths										
NSE-1	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
NSE-2	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
SPE-1	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL
SPE-2	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL
SSE-1	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL
SSE-2 (feet above sill)	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

CRITERIA POINTS: YES										(Output = 0, 1, or NA)
Channel Velocities Differentials	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
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
Collection Channels										
North Shore	1	1	1	1	1	1	1	1	1	1
South Powerhouse	1	1	1	1	1	1	1	1	1	1
South Shore	1	1	1	1	1	1	1	1	1	1
Weir Depths										
NSE-1	1	1	1	1	1	1	1	1	1	1
NSE-2	1	1	1	1	1	1	1	1	1	1
SPE-1	0	0	0	0	0	0	0	0	0	0
SPE-2	0	0	0	0	0	0	0	0	0	0
SSE-1	0	0	0	0	0	0	0	0	0	0
SSE-2 (feet above sill)	1	1	1	1	1	1	1	1	1	1

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

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
Collection Channels										
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0
Weir Depths										
NSE-1	0	0	0	0	0	0	0	0	0	0
NSE-2	0	0	0	0	0	0	0	0	0	0
SPE-1	0	0	0	0	0	0	0	0	0	0
SPE-2	0	0	0	0	0	0	0	0	0	0
SSE-1	0	0	0	0	0	0	0	0	0	0
SSE-2 (feet above sill)	0	0	0	0	0	0	0	0	0	0

CRITERIA POINTS: SILL										**(Output = 0, 1, or NA)**
Weir Depths										
NSE-1	0	0	0	0	0	0	0	0	0	0
NSE-2	0	0	0	0	0	0	0	0	0	0
SPE-1	1	1	1	1	1	1	1	1	1	1
SPE-2	1	1	1	1	1	1	1	1	1	1
SSE-1	1	1	1	1	1	1	1	1	1	1
SSE-2 (feet above sill)										

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

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
Channel/Tailwater Differentials (<0.80)										
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (0.80 - 0.89)										
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (0.90 - 0.99):										
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (2.01 - 2.10)										
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (2.11 - 2.20)										
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (>2.20)										
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0

Entrance Weir Depths (more than 0.2 too low)										
NSE-1 **(<7.80)**	0	0	0	0	0	0	0	0	0	0
NSE-2 **(<7.80)**	0	0	0	0	0	0	0	0	0	0
SPE-1 **(<7.80)**	0	0	0	0	0	0	0	0	0	0
SPE-2 **(<7.80)**	0	0	0	0	0	0	0	0	0	0
SSE-1 **(<7.80)**	0	0	0	0	0	0	0	0	0	0
SSE-2 **(set 6 ft above sill)**	Not Applic.									
Entrance Weir Depths (0.11 - 0.2 too low)										
NSE-1 **(7.80 - 7.89)**	0	0	0	0	0	0	0	0	0	0
NSE-2 **(7.80 - 7.89)**	0	0	0	0	0	0	0	0	0	0
SPE-1 **(7.80 - 7.89)**	0	0	0	0	0	0	0	0	0	0
SPE-2 **(7.80 - 7.89)**	0	0	0	0	0	0	0	0	0	0
SSE-1 **(7.80 - 7.89)**	0	0	0	0	0	0	0	0	0	0
SSE-2 **(set 6 ft above sill)**	Not Applic.									
Entrance Weir Depths (0.01 - 0.1 too low)										
NSE-1 **(7.90 - 7.99)**	0	0	0	0	0	0	0	0	0	0
NSE-2 **(7.90 - 7.99)**	0	0	0	0	0	0	0	0	0	0
SPE-1 **(7.90 - 7.99)**	0	0	0	0	0	0	0	0	0	0
SPE-2 **(7.90 - 7.99)**	0	0	0	0	0	0	0	0	0	0
SSE-1 **(7.90 - 7.99)**	0	0	0	0	0	0	0	0	0	0
SSE-2 **(set 6 ft above sill)**	Not Applic.									

DATES:	20-Apr	22-Apr	26-Apr	27-Apr	28-Apr	1-May	3-May	6-May	7-May	8-May
CHAN'L VELOCITIES (N):	2.8	2.3	2.6	2.4	2.9	2.6	2.8	2.2	1.7	2.1
Turbidity	2.7	3.4	3.9	5.7	3.9	3.5	5.9	4.5	3.5	2.3
ELEVATIONS:										
North Fish Ladder										
Forebay: SG7N	537.9	537.7	537.4	538.1	537.4	537.9	537.3	537.1	537.8	538.0
Exit Pool: SG1N	537.7	537.3	537.4	538.0	537.3	537.9	537.2	537.0	537.7	538.0
Makeup Diffuser: SG2N	534.1	534.0	534.1	534.2	534.1	534.1	534.2	534.2	534.2	534.1
U S Picketed Leads: SG3N	468.1	468.2	468.2	468.2	468.1	468.0	468.2	468.2	468.2	468.1
D S Picketed Leads: SG4N	467.9	467.9	468.0	467.9	467.9	467.9	467.9	468.0	468.0	468.0
South Fish Ladder										
Forebay: SG1S	537.8	537.8	537.5	538.0	537.6	537.9	537.4	536.8	537.8	538.0
Exit Pool: SG4S	537.6	537.4	537.3	537.9	537.3	537.8	537.3	536.8	537.6	537.8
Makeup Diffuser: SG2S	534.2	534.0	534.1	534.2	534.2	534.1	534.2	534.1	534.2	534.1
U S Picketed Leads: SG3S	534.2	534.0	534.1	534.3	534.2	534.1	534.2	534.1	534.2	534.1
D S Picketed Leads: SG2S	534.2	534.0	534.1	534.2	534.2	534.1	534.2	534.1	534.2	534.1
Collection Channels										
North Shore: SG10N	439.7	439.4	439.5	440.0	440.0	442.0	442.6	443.0	443.5	443.0
South Powerhouse: SG12N	439.6	439.3	439.4	440.8	439.8	441.4	442.4	442.8	443.3	442.6
South Shore: Channel CES	439.0	438.7	439.0	439.5	439.5	440.3	441.5	441.8	442.2	440.9
Tailwater										
North Shore: SG6N	438.5	438.2	438.1	438.7	438.7	440.8	441.6	442.0	442.4	441.8
South Powerhouse: SG9N	438.3	438.3	438.1	438.8	438.5	440.4	441.4	441.6	442.2	441.4
South Shore: Tailwater TWS	437.5	436.9	437.6	438.2	438.3	438.9	440.0	440.4	441.2	439.5
Entrance Weirs										
NSE-1	430.3	429.8	430.0	430.3	430.6	432.7	433.4	433.7	434.3	433.7
NSE-2	430.3	429.8	430.1	430.7	430.7	432.7	433.4	433.7	434.3	433.7
SPE-1	432.0	432.0	432.0	432.0	432.0	432.4	432.9	433.3	433.6	433.3
SPE-2	432.0	432.0	432.0	432.0	432.0	432.4	433.0	433.2	433.9	433.4
SSE-1	431.0	431.0	431.0	431.0	431.0	431.0	432.0	432.4	433.1	431.5
SSE-2 (feet above sill)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
DIFFERENTIALS/DEPTHS:										
North Fish Ladder										
Ladder Exit	0.2	0.4	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.0
Ladder Weirs	1.1	1.0	1.1	1.2	1.1	1.1	1.2	1.2	1.2	1.1
Counting Station	0.2	0.3	0.2	0.3	0.2	0.1	0.3	0.2	0.2	0.1
South Fish Ladder										
Ladder Exit	0.2	0.4	0.2	0.1	0.3	0.1	0.1	0.0	0.2	0.2
Ladder Weirs	1.2	1.0	1.1	1.2	1.2	1.1	1.2	1.1	1.2	1.1
Counting Station	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Collection Channels										
North Shore	1.2	1.2	1.4	1.3	1.3	1.2	1.0	1.0	1.1	1.2
South Powerhouse	1.3	1.0	1.3	2.0	1.3	1.0	1.0	1.2	1.1	1.2
South Shore	1.5	1.8	1.4	1.3	1.2	1.4	1.5	1.4	1.0	1.4
Weir Depths										
NSE-1	8.2	8.4	8.1	8.4	8.1	8.1	8.2	8.3	8.1	8.1
NSE-2	8.2	8.4	8.0	8.0	8.0	8.1	8.2	8.3	8.1	8.1
SPE-1	6.3	6.3	6.1	6.8	6.5	8.0	8.5	8.3	8.6	8.1
SPE-2	6.3	6.3	6.1	6.8	6.5	8.0	8.4	8.4	8.3	8.0
SSE-1	6.5	5.9	6.6	7.2	7.3	7.9	8.0	8.0	8.1	8.0
SSE-2 (feet above sill)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0

CRITERIA POINTS:										
Channel Velocities	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Differentials										
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
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
Collection Channels										
North Shore	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
South Powerhouse	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
South Shore	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Weir Depths										
NSE-1	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
NSE-2	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
SPE-1	SILL	SILL	SILL	SILL	SILL	YES	YES	YES	YES	YES
SPE-2	SILL	SILL	SILL	SILL	SILL	YES	YES	YES	YES	YES
SSE-1	SILL	SILL	SILL	SILL	SILL	SILL	YES	YES	YES	YES
SSE-2 (feet above sill)	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

CRITERIA POINTS: YES										(Output = 0, 1, or NA)
Channel Velocities	1	1	1	1	1	1	1	1	1	1
Differentials										
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
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
Collection Channels										
North Shore	1	1	1	1	1	1	1	1	1	1
South Powerhouse	1	1	1	1	1	1	1	1	1	1
South Shore	1	1	1	1	1	1	1	1	1	1
Weir Depths										
NSE-1	1	1	1	1	1	1	1	1	1	1
NSE-2	1	1	1	1	1	1	1	1	1	1
SPE-1	0	0	0	0	0	1	1	1	1	1
SPE-2	0	0	0	0	0	1	1	1	1	1
SSE-1	0	0	0	0	0	0	1	1	1	1
SSE-2 (feet above sill)	1	1	1	1	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										
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

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
Collection Channels										
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0
Weir Depths										
NSE-1	0	0	0	0	0	0	0	0	0	0
NSE-2	0	0	0	0	0	0	0	0	0	0
SPE-1	0	0	0	0	0	0	0	0	0	0
SPE-2	0	0	0	0	0	0	0	0	0	0
SSE-1	0	0	0	0	0	0	0	0	0	0
SSE-2 (feet above sill)	0	0	0	0	0	0	0	0	0	0

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

Weir Depths										
NSE-1	0	0	0	0	0	0	0	0	0	0
NSE-2	0	0	0	0	0	0	0	0	0	0
SPE-1	1	1	1	1	1	0	0	0	0	0
SPE-2	1	1	1	1	1	0	0	0	0	0
SSE-1	1	1	1	1	1	1	0	0	0	0
SSE-2 (feet above sill)										

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

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

Channel/Tailwater Differentials (<0.80)

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

Channel/Tailwater Differentials (0.80 - 0.89)

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

Channel/Tailwater Differentials (0.90 - 0.99):

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

Channel/Tailwater Differentials (2.01 - 2.10)

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

Channel/Tailwater Differentials (2.11 - 2.20)

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

Channel/Tailwater Differentials (>2.20)

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

Entrance Weir Depths (more than 0.2 too low)										
NSE-1 **(<7.80)**	0	0	0	0	0	0	0	0	0	0
NSE-2 **(<7.80)**	0	0	0	0	0	0	0	0	0	0
SPE-1 **(<7.80)**	0	0	0	0	0	0	0	0	0	0
SPE-2 **(<7.80)**	0	0	0	0	0	0	0	0	0	0
SSE-1 **(<7.80)**	0	0	0	0	0	0	0	0	0	0
SSE-2 **(set 6 ft above sill)**	Not Applic.									
Entrance Weir Depths (0.11 - 0.2 too low)										
NSE-1 **(7.80 - 7.89)**	0	0	0	0	0	0	0	0	0	0
NSE-2 **(7.80 - 7.89)**	0	0	0	0	0	0	0	0	0	0
SPE-1 **(7.80 - 7.89)**	0	0	0	0	0	0	0	0	0	0
SPE-2 **(7.80 - 7.89)**	0	0	0	0	0	0	0	0	0	0
SSE-1 **(7.80 - 7.89)**	0	0	0	0	0	0	0	0	0	0
SSE-2 **(set 6 ft above sill)**	Not Applic.									
Entrance Weir Depths (0.01 - 0.1 too low)										
NSE-1 **(7.90 - 7.99)**	0	0	0	0	0	0	0	0	0	0
NSE-2 **(7.90 - 7.99)**	0	0	0	0	0	0	0	0	0	0
SPE-1 **(7.90 - 7.99)**	0	0	0	0	0	0	0	0	0	0
SPE-2 **(7.90 - 7.99)**	0	0	0	0	0	0	0	0	0	0
SSE-1 **(7.90 - 7.99)**	0	0	0	0	0	0	0	0	0	0
SSE-2 **(set 6 ft above sill)**	Not Applic.									

DATES:	10-May	12-May	13-May	14-May	18-May	19-May	20-May	21-May	23-May	25-May
CHAN'L VELOCITIES (N):	2.2	1.9	2.6	2.3	2.2	2.3	2.3	2.0	2.0	2.0
Turbidity	3.0	3.4	2.5	3.5	5.6	4.8	1.9	2.4	3.2	3.0
ELEVATIONS:										
North Fish Ladder										
Forebay: SG7N	537.5	537.3	537.5	537.3	537.0	537.4	536.9	537.5	537.2	537.0
Exit Pool: SG1N	537.4	537.3	537.4	537.3	537.0	537.2	536.9	537.5	537.0	536.8
Makeup Diffuser: SG2N	534.2	534.1	534.1	534.1	534.0	534.0	534.0	534.0	534.0	534.2
U S Picketed Leads: SG3N	468.1	468.1	468.1	468.1	468.1	468.2	468.2	468.1	468.0	468.0
D S Picketed Leads: SG4N	467.9	467.9	467.9	467.9	467.9	468.1	468.0	467.9	468.0	468.0
South Fish Ladder										
Forebay: SG1S	537.4	537.3	537.4	537.3	537.2	537.5	537.0	537.5	537.2	537.2
Exit Pool: SG4S	537.4	537.2	537.3	537.3	537.0	537.5	536.9	537.4	537.2	537.0
Makeup Diffuser: SG2S	534.2	534.1	534.1	534.1	534.1	534.0	534.0	534.1	534.1	534.0
U S Picketed Leads: SG3S	534.2	534.1	534.1	534.1	534.1	534.0	534.0	534.1	534.1	534.1
D S Picketed Leads: SG2S	534.2	534.1	534.1	534.1	534.1	534.0	534.0	534.1	534.1	534.0
Collection Channels										
North Shore: SG10N	442.2	441.9	441.8	441.8	443.2	444.0	445.0	444.6	446.1	442.2
South Powerhouse: SG12N	442.0	441.6	441.5	441.8	443.0	443.4	444.8	444.4	445.8	441.8
South Shore: Channel CES	441.2	440.8	440.5	440.8	442.6	440.8	443.7	443.4	444.6	446.6
Tailwater										
North Shore: SG6N	441.2	440.8	440.8	440.6	442.2	443.0	443.9	443.6	445.1	441.2
South Powerhouse: SG9N	441.0	440.5	440.5	440.7	442.2	442.4	443.8	443.4	444.8	440.8
South Shore: Tailwater TWS	439.8	439.6	439.3	439.6	440.7	439.5	442.3	442.0	443.1	443.1
Entrance Weirs										
NSE-1	432.8	432.6	432.6	432.5	434.1	434.9	435.8	435.5	436.9	432.7
NSE-2	432.8	432.7	432.8	432.6	434.2	434.9	435.9	435.6	437.0	433.0
SPE-1	432.5	432.3	432.2	432.4	433.6	434.2	435.5	434.8	436.0	432.6
SPE-2	432.5	432.4	432.2	432.6	433.8	434.2	434.9	435.2	436.0	432.6
SSE-1	431.8	431.6	431.2	431.5	434.3	431.0	434.3	433.8	435.1	435.1
SSE-2 (feet above sill)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
DIFFERENTIALS/DEPTHS:										
North Fish Ladder										
Ladder Exit	0.1	0.0	0.1	0.0	0.0	0.2	0.0	0.0	0.2	0.2
Ladder Weirs	1.2	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.2
Counting Station	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.0	0.0
South Fish Ladder										
Ladder Exit	0.0	0.1	0.1	0.0	0.2	0.0	0.1	0.1	0.0	0.2
Ladder Weirs	1.2	1.1	1.1	1.1	1.1	1.0	1.0	1.1	1.1	1.0
Counting Station	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Collection Channels										
North Shore	1.0	1.1	1.0	1.2	1.0	1.0	1.1	1.0	1.0	1.0
South Powerhouse	1.0	1.1	1.0	1.1	0.8	1.0	1.0	1.0	1.0	1.0
South Shore	1.4	1.2	1.2	1.2	1.9	1.3	1.4	1.4	1.5	3.5
Weir Depths										
NSE-1	8.4	8.2	8.2	8.1	8.1	8.1	8.1	8.1	8.2	8.5
NSE-2	8.4	8.1	8.0	8.0	8.0	8.1	8.0	8.0	8.1	8.2
SPE-1	8.5	8.2	8.3	8.3	8.6	8.2	8.3	8.6	8.8	8.2
SPE-2	8.5	8.1	8.3	8.1	8.4	8.2	8.9	8.2	8.8	8.2
SSE-1	8.0	8.0	8.1	8.1	6.4	8.5	8.0	8.2	8.0	8.0
SSE-2 (feet above sill)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0

CRITERIA POINTS:										
Channel Velocities	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Differentials										
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
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
Collection Channels										
North Shore	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
South Powerhouse	YES	YES	YES	YES	NO	YES	YES	YES	YES	YES
South Shore	YES	YES	YES	YES	YES	YES	YES	YES	YES	NO
Weir Depths										
NSE-1	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
NSE-2	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
SPE-1	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
SPE-2	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
SSE-1	YES	YES	YES	YES	NO	YES	YES	YES	YES	YES
SSE-2 (feet above sill)	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

CRITERIA POINTS: YES										(Output = 0, 1, or NA)
Channel Velocities	1	1	1	1	1	1	1	1	1	1
Differentials										
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
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
Collection Channels										
North Shore	1	1	1	1	1	1	1	1	1	1
South Powerhouse	1	1	1	1	0	1	1	1	1	1
South Shore	1	1	1	1	1	1	1	1	1	0
Weir Depths										
NSE-1	1	1	1	1	1	1	1	1	1	1
NSE-2	1	1	1	1	1	1	1	1	1	1
SPE-1	1	1	1	1	1	1	1	1	1	1
SPE-2	1	1	1	1	1	1	1	1	1	1
SSE-1	1	1	1	1	0	1	1	1	1	1
SSE-2 (feet above sill)	1	1	1	1	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										
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

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
Collection Channels										
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	1	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	1
Weir Depths										
NSE-1	0	0	0	0	0	0	0	0	0	0
NSE-2	0	0	0	0	0	0	0	0	0	0
SPE-1	0	0	0	0	0	0	0	0	0	0
SPE-2	0	0	0	0	0	0	0	0	0	0
SSE-1	0	0	0	0	1	0	0	0	0	0
SSE-2 (feet above sill)	0	0	0	0	0	0	0	0	0	0

CRITERIA POINTS: SILL										(Output = 0, 1, or NA)
Weir Depths										
NSE-1	0	0	0	0	0	0	0	0	0	0
NSE-2	0	0	0	0	0	0	0	0	0	0
SPE-1	0	0	0	0	0	0	0	0	0	0
SPE-2	0	0	0	0	0	0	0	0	0	0
SSE-1	0	0	0	0	0	0	0	0	0	0
SSE-2 (feet above sill)										

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
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
Counting Station										Not applicable.
South Ladder Differentials (0.01 - 0.1 too low)										
Ladder Exit										Not applicable.
Ladder Weirs	0	0	0	0	0	0	0	0		0
Counting Station										Not applicable.
South Ladder Differentials (0.01 - 0.1 too high)										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
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
Channel/Tailwater Differentials (<0.80)										
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (0.80 - 0.89)										
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	1	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (0.90 - 0.99):										
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (2.01 - 2.10)										
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (2.11 - 2.20)										
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (>2.20)										
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	1

Entrance Weir Depths (more than 0.2 too low)										
NSE-1 (<7.80)	0	0	0	0	0	0	0	0	0	0
NSE-2 (<7.80)	0	0	0	0	0	0	0	0	0	0
SPE-1 (<7.80)	0	0	0	0	0	0	0	0	0	0
SPE-2 (<7.80)	0	0	0	0	0	0	0	0	0	0
SSE-1 (<7.80)	0	0	0	0	1	0	0	0	0	0
SSE-2 (set 6 ft above sill)	Not Applic.									

Entrance Weir Depths (0.11 - 0.2 too low)										
NSE-1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
NSE-2 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
SPE-1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
SPE-2 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
SSE-1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
SSE-2 (set 6 ft above sill)	Not Applic.									

Entrance Weir Depths (0.01 - 0.1 too low)										
NSE-1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
NSE-2 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
SPE-1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
SPE-2 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
SSE-1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
SSE-2 (set 6 ft above sill)	Not Applic.									

APPENDIX 1 (CONTINUED). LOWER MONUMENTAL ADULT FISHWAY INSPECTIONS						2023			
DATES:	27-May	28-May	30-May	1-Jun	3-Jun	5-Jun	7-Jun	9-Jun	11-Jun	13-Jun
CHAN'L VELOCITIES (N):	2.6	1.8	2.0	2.4	2.3	2.1	2.8	3.3	3.1	2.8
Turbidity	3.0	3.2	3.3	2.8	3.4	3.1	3.3	3.6	3.8	4.2
ELEVATIONS:										
North Fish Ladder										
Forebay: SG7N	537.2	537.7	537.7	537.5	537.6	537.6	537.6	537.3	537.3	537.3
Exit Pool: SG1N	537.0	537.7	537.7	537.2	537.6	537.5	537.2	537.2	537.2	537.2
Makeup Diffuser: SG2N	534.0	534.1	534.3	534.2	534.0	534.2	534.2	534.1	534.1	534.1
U S Picketed Leads: SG3N	468.2	468.1	468.1	468.0	468.2	468.0	468.0	468.1	468.1	468.2
D S Picketed Leads: SG4N	468.0	467.9	468.0	468.0	468.0	468.0	468.0	467.9	467.9	468.0
South Fish Ladder										
Forebay: SG1S	537.3	538.0	538.0	538.1	537.5	537.6	537.6	537.4	537.3	537.2
Exit Pool: SG4S	537.1	537.9	537.8	537.9	537.4	537.5	537.4	537.3	537.2	537.2
Makeup Diffuser: SG2S	534.0	534.1	534.0	534.0	534.1	534.0	534.2	534.2	534.1	534.1
U S Picketed Leads: SG3S	534.0	534.2	534.2	534.2	534.1	534.2	534.2	534.2	534.2	534.2
D S Picketed Leads: SG2S	534.0	534.1	534.0	534.1	534.1	534.2	534.2	534.2	534.1	534.1
Collection Channels										
North Shore: SG10N	441.5	443.2	442.4	442.0	441.8	441.2	441.0	441.0	440.3	440.8
South Powerhouse: SG12N	441.5	442.3	442.2	441.8	441.5	441.0	441.0	441.1	440.8	441.0
South Shore: Channel CES	440.6	441.3	441.3	441.3	440.7	440.3	440.3	439.9	440.3	440.3
Tailwater										
North Shore: SG6N	440.5	442.2	441.4	440.7	440.7	440.1	439.8	440.0	439.3	439.7
South Powerhouse: SG9N	440.5	441.2	441.2	440.6	440.4	440.0	440.0	440.1	439.7	440.0
South Shore: Tailwater TWS	439.6	440.2	440.2	440.2	439.6	439.2	439.3	438.8	439.1	439.1
Entrance Weirs										
NSE-1	432.5	433.9	433.1	432.7	432.5	431.9	431.7	431.4	430.9	431.7
NSE-2	432.0	434.2	433.4	432.7	432.6	432.1	431.8	431.4	431.1	431.7
SPE-1	432.5	433.0	432.8	432.5	432.3	432.0	432.0	432.0	432.0	432.0
SPE-2	432.5	433.1	432.8	432.6	432.4	432.0	432.0	432.0	432.0	432.0
SSE-1	431.5	432.2	432.2	432.2	431.6	431.1	431.2	431.0	431.0	431.0
SSE-2 (feet above sill)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
DIFFERENTIALS/DEPTHS:										
North Fish Ladder										
Ladder Exit	0.2	0.0	0.0	0.3	0.0	0.1	0.4	0.1	0.1	0.1
Ladder Weirs	1.0	1.1	1.3	1.2	1.0	1.2	1.2	1.1	1.1	1.1
Counting Station	0.2	0.2	0.1	0.0	0.2	0.0	0.0	0.2	0.2	0.2
South Fish Ladder										
Ladder Exit	0.2	0.1	0.2	0.2	0.1	0.1	0.2	0.1	0.1	0.0
Ladder Weirs	1.0	1.1	1.0	1.0	1.1	1.0	1.2	1.2	1.1	1.1
Counting Station	0.0	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.1	0.1
Collection Channels										
North Shore	1.0	1.0	1.0	1.3	1.1	1.1	1.2	1.0	1.0	1.1
South Powerhouse	1.0	1.1	1.0	1.2	1.1	1.0	1.0	1.0	1.1	1.0
South Shore	1.0	1.1	1.1	1.1	1.1	1.1	1.0	1.1	1.2	1.2
Weir Depths										
NSE-1	8.0	8.3	8.3	8.0	8.2	8.2	8.1	8.6	8.4	8.0
NSE-2	8.5	8.0	8.0	8.0	8.1	8.0	8.0	8.6	8.2	8.0
SPE-1	8.0	8.2	8.4	8.1	8.1	8.0	8.0	8.1	7.7	8.0
SPE-2	8.0	8.1	8.4	8.0	8.0	8.0	8.0	8.1	7.7	8.0
SSE-1	8.1	8.0	8.0	8.0	8.0	8.1	8.1	7.8	8.1	8.1
SSE-2 (feet above sill)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0

CRITERIA POINTS:										
Channel Velocities Differentials	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
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
Collection Channels										
North Shore	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
South Powerhouse	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
South Shore	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Weir Depths										
NSE-1	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
NSE-2	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
SPE-1	YES	YES	YES	YES	YES	YES	YES	YES	SILL	YES
SPE-2	YES	YES	YES	YES	YES	YES	YES	YES	SILL	YES
SSE-1	YES	YES	YES	YES	YES	YES	YES	SILL	YES	YES
SSE-2 (feet above sill)	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

CRITERIA POINTS: YES										(Output = 0, 1, or NA)
Channel Velocities Differentials	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
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
Collection Channels										
North Shore	1	1	1	1	1	1	1	1	1	1
South Powerhouse	1	1	1	1	1	1	1	1	1	1
South Shore	1	1	1	1	1	1	1	1	1	1
Weir Depths										
NSE-1	1	1	1	1	1	1	1	1	1	1
NSE-2	1	1	1	1	1	1	1	1	1	1
SPE-1	1	1	1	1	1	1	1	1	0	1
SPE-2	1	1	1	1	1	1	1	1	0	1
SSE-1	1	1	1	1	1	1	1	0	1	1
SSE-2 (feet above sill)	1	1	1	1	1	1	1	1	1	1

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

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
Collection Channels										
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0
Weir Depths										
NSE-1	0	0	0	0	0	0	0	0	0	0
NSE-2	0	0	0	0	0	0	0	0	0	0
SPE-1	0	0	0	0	0	0	0	0	0	0
SPE-2	0	0	0	0	0	0	0	0	0	0
SSE-1	0	0	0	0	0	0	0	0	0	0
SSE-2 (feet above sill)	0	0	0	0	0	0	0	0	0	0

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

Weir Depths										
NSE-1	0	0	0	0	0	0	0	0	0	0
NSE-2	0	0	0	0	0	0	0	0	0	0
SPE-1	0	0	0	0	0	0	0	0	1	0
SPE-2	0	0	0	0	0	0	0	0	1	0
SSE-1	0	0	0	0	0	0	0	1	0	0
SSE-2 (feet above sill)										

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

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
Channel/Tailwater Differentials (<0.80)										
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (0.80 - 0.89)										
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (0.90 - 0.99):										
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (2.01 - 2.10)										
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (2.11 - 2.20)										
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (>2.20)										
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0

Entrance Weir Depths (more than 0.2 too low)										
NSE-1 (<7.80)	0	0	0	0	0	0	0	0	0	0
NSE-2 (<7.80)	0	0	0	0	0	0	0	0	0	0
SPE-1 (<7.80)	0	0	0	0	0	0	0	0	0	0
SPE-2 (<7.80)	0	0	0	0	0	0	0	0	0	0
SSE-1 (<7.80)	0	0	0	0	0	0	0	0	0	0
SSE-2 (set 6 ft above sill)	Not Applic.									
Entrance Weir Depths (0.11 - 0.2 too low)										
NSE-1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
NSE-2 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
SPE-1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
SPE-2 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
SSE-1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
SSE-2 (set 6 ft above sill)	Not Applic.									
Entrance Weir Depths (0.01 - 0.1 too low)										
NSE-1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
NSE-2 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
SPE-1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
SPE-2 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
SSE-1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
SSE-2 (set 6 ft above sill)	Not Applic.									

APPENDIX 1 (CONTINUED). LOWER MONUMENTAL ADULT FISHWAY INSPECTIONS						2023			
DATES:	14-Jun	17-Jun	18-Jun	20-Jun	22-Jun	24-Jun	26-Jun	28-Jun	30-Jun	2-Jul
CHAN'L VELOCITIES (N):	3.1	2.4	2.4	2.5	2.9	2.9	2.5	2.0	2.5	2.0
Turbidity	4.9	4.2	4.8	3.7	3.4	3.6	4.8	4.2	5.1	5.1
ELEVATIONS:										
North Fish Ladder										
Forebay: SG7N	537.5	537.6	537.8	538.0	538.1	538.1	538.0	538.1	538.4	538.3
Exit Pool: SG1N	537.5	537.6	537.8	538.0	538.1	538.1	538.0	538.0	538.4	538.3
Makeup Diffuser: SG2N	534.2	534.2	534.1	534.1	534.1	534.1	534.0	534.1	534.1	534.0
U S Picketed Leads: SG3N	468.2	468.1	468.1	468.1	468.1	468.2	468.0	468.1	468.2	468.2
D S Picketed Leads: SG4N	468.0	467.9	467.9	468.0	468.0	468.0	468.0	468.0	468.0	468.0
South Fish Ladder										
Forebay: SG1S	537.7	537.6	537.8	538.0	538.1	538.1	538.0	538.1	538.5	538.3
Exit Pool: SG4S	537.4	537.5	537.6	537.8	537.8	537.8	537.8	537.9	538.3	538.1
Makeup Diffuser: SG2S	534.2	534.1	534.1	534.1	534.1	534.2	534.1	534.1	534.1	534.1
U S Picketed Leads: SG3S	534.2	534.2	534.1	534.1	534.1	534.2	534.1	534.1	534.1	534.1
D S Picketed Leads: SG2S	534.2	534.1	534.1	534.1	534.1	534.2	534.1	534.1	534.1	534.1
Collection Channels										
North Shore: SG10N	440.5	439.9	439.9	439.7	440.1	440.2	439.9	439.1	439.7	439.4
South Powerhouse: SG12N	440.2	439.8	439.7	439.6	439.9	440.0	439.6	439.1	439.7	439.3
South Shore: Channel CES	440.0	438.7	439.1	439.0	439.5	439.5	439.5	438.8	439.7	439.3
Tailwater										
North Shore: SG6N	439.3	438.6	438.5	438.4	438.8	438.8	438.4	437.8	438.5	438.1
South Powerhouse: SG9N	439.2	438.5	438.4	438.2	438.5	438.6	438.3	437.9	438.4	438.0
South Shore: Tailwater TWS	439.0	437.3	438.0	437.8	438.4	438.4	438.4	437.5	438.4	437.8
Entrance Weirs										
NSE-1	431.3	430.5	429.7	430.4	430.8	430.8	430.4	429.8	430.2	429.7
NSE-2	431.3	431.1	431.0	430.3	430.8	430.8	430.4	429.4	429.8	430.1
SPE-1	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0
SPE-2	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0
SSE-1	431.0	431.0	431.0	431.0	431.0	431.0	431.0	431.0	431.0	431.0
SSE-2 (feet above sill)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
DIFFERENTIALS/DEPTHS:										
North Fish Ladder										
Ladder Exit	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Ladder Weirs	1.2	1.2	1.1	1.1	1.1	1.1	1.0	1.1	1.1	1.0
Counting Station	0.2	0.2	0.2	0.1	0.1	0.2	0.0	0.1	0.2	0.2
South Fish Ladder										
Ladder Exit	0.3	0.1	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.2
Ladder Weirs	1.2	1.1	1.1	1.1	1.1	1.2	1.1	1.1	1.1	1.1
Counting Station	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Collection Channels										
North Shore	1.2	1.3	1.4	1.3	1.3	1.4	1.5	1.3	1.2	1.3
South Powerhouse	1.0	1.3	1.3	1.4	1.4	1.4	1.3	1.2	1.3	1.3
South Shore	1.0	1.4	1.1	1.2	1.1	1.1	1.1	1.3	1.3	1.5
Weir Depths										
NSE-1	8.0	8.1	8.8	8.0	8.0	8.0	8.0	8.0	8.3	8.4
NSE-2	8.0	7.5	7.5	8.1	8.0	8.0	8.0	8.4	8.7	8.0
SPE-1	7.2	6.5	6.4	6.2	6.5	6.6	6.3	5.9	6.4	6.0
SPE-2	7.2	6.5	6.4	6.2	6.5	6.6	6.3	5.9	6.4	6.0
SSE-1	8.0	6.3	7.0	6.8	7.4	7.4	7.4	6.5	7.4	6.8
SSE-2 (feet above sill)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0

South Fish Ladder										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
Collection Channels										
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0
Weir Depths										
NSE-1	0	0	0	0	0	0	0	0	0	0
NSE-2	0	1	1	0	0	0	0	0	0	0
SPE-1	0	0	0	0	0	0	0	0	0	0
SPE-2	0	0	0	0	0	0	0	0	0	0
SSE-1	0	0	0	0	0	0	0	0	0	0
SSE-2 (feet above sill)	0	0	0	0	0	0	0	0	0	0

CRITERIA POINTS: SILL										(Output = 0, 1, or NA)
Weir Depths										
NSE-1	0	0	0	0	0	0	0	0	0	0
NSE-2	0	0	0	0	0	0	0	0	0	0
SPE-1	1	1	1	1	1	1	1	1	1	1
SPE-2	1	1	1	1	1	1	1	1	1	1
SSE-1	0	1	1	1	1	1	1	1	1	1
SSE-2 (feet above sill)										

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
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
Channel/Tailwater Differentials (<0.80)										
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (0.80 - 0.89)										
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (0.90 - 0.99):										
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (2.01 - 2.10)										
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (2.11 - 2.20)										
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (>2.20)										
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0

Entrance Weir Depths (more than 0.2 too low)										
NSE-1 (<7.80)	0	0	0	0	0	0	0	0	0	0
NSE-2 (<7.80)	0	1	1	0	0	0	0	0	0	0
SPE-1 (<7.80)	0	0	0	0	0	0	0	0	0	0
SPE-2 (<7.80)	0	0	0	0	0	0	0	0	0	0
SSE-1 (<7.80)	0	0	0	0	0	0	0	0	0	0
SSE-2 (set 6 ft above sill)	Not Applic.									
Entrance Weir Depths (0.11 - 0.2 too low)										
NSE-1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
NSE-2 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
SPE-1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
SPE-2 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
SSE-1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
SSE-2 (set 6 ft above sill)	Not Applic.									
Entrance Weir Depths (0.01 - 0.1 too low)										
NSE-1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
NSE-2 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
SPE-1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
SPE-2 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
SSE-1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
SSE-2 (set 6 ft above sill)	Not Applic.									

DATES:	4-Jun	6-Jun	7-Jul	8-Jul	9-Jul	10-Jul	12-Jul	14-Jul	16-Jul	18-Jul
CHAN'L VELOCITIES (N):	2.5	2.3	2.6	2.7	2.5	2.8	2.4	2.3	2.0	2.2
Turbidity	4.4	6.3	5.7	6.0	4.4	6.0	6.2	5.3	4.7	5.9
ELEVATIONS:										
North Fish Ladder										
Forebay: SG7N	538.3	538.0	538.0	538.2	537.9	538.2	538.2	538.4	537.6	537.5
Exit Pool: SG1N	538.2	538.0	537.9	538.0	537.8	538.0	538.1	538.3	537.6	537.5
Makeup Diffuser: SG2N	534.1	534.0	534.1	534.2	534.1	534.2	534.2	534.1	534.1	534.0
U S Picketed Leads: SG3N	468.2	468.1	468.2	468.2	468.2	468.2	468.1	468.2	468.2	468.2
D S Picketed Leads: SG4N	467.9	468.0	468.0	468.0	468.0	468.0	468.0	468.0	468.0	468.1
South Fish Ladder										
Forebay: SG1S	538.2	538.1	538.0	538.2	537.8	538.2	538.2	538.4	537.7	537.7
Exit Pool: SG4S	537.9	537.7	537.9	538.0	537.7	538.0	538.0	538.3	537.7	537.6
Makeup Diffuser: SG2S	534.1	534.1	534.1	534.1	534.0	534.1	534.0	534.1	534.1	534.1
U S Picketed Leads: SG3S	534.1	534.1	534.1	534.2	534.1	534.2	534.1	534.2	534.1	534.0
D S Picketed Leads: SG2S	534.1	534.1	534.1	534.1	534.0	534.0	534.0	534.1	534.1	534.0
Collection Channels										
North Shore: SG10N	438.9	439.0	439.3	439.8	439.0	439.7	439.4	439.4	438.8	439.0
South Powerhouse: SG12N	439.0	439.0	439.2	439.7	439.0	439.7	439.3	439.3	438.8	438.5
South Shore: Channel CES	439.0	438.9	439.6	439.6	438.7	439.5	439.5	438.9	438.4	438.4
Tailwater										
North Shore: SG6N	437.5	437.7	437.8	438.3	437.4	438.4	438.2	438.4	437.5	437.5
South Powerhouse: SG9N	437.6	437.6	437.7	438.5	437.4	438.2	438.3	438.3	437.5	437.5
South Shore: Tailwater TWS	437.9	437.9	438.3	438.4	437.6	438.3	438.3	437.7	437.4	437.4
Entrance Weirs										
NSE-1	429.1	429.5	429.7	430.2	429.3	430.2	430.0	430.3	429.4	429.5
NSE-2	429.0	429.5	429.6	430.2	429.3	430.2	429.8	430.2	429.5	429.5
SPE-1	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0
SPE-2	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0
SSE-1	431.0	431.0	431.0	431.0	431.0	431.0	431.0	431.0	431.0	431.0
SSE-2 (feet above sill)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
DIFFERENTIALS/DEPTHS:										
North Fish Ladder										
Ladder Exit	0.1	0.0	0.1	0.2	0.1	0.2	0.1	0.1	0.0	0.0
Ladder Weirs	1.1	1.0	1.1	1.2	1.1	1.2	1.2	1.1	1.1	1.0
Counting Station	0.3	0.1	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.1
South Fish Ladder										
Ladder Exit	0.3	0.4	0.1	0.2	0.1	0.2	0.2	0.1	0.0	0.1
Ladder Weirs	1.1	1.1	1.1	1.1	1.0	1.1	1.0	1.1	1.1	1.1
Counting Station	0.0	0.0	0.0	0.1	0.1	0.2	0.1	0.1	0.0	0.0
Collection Channels										
North Shore	1.4	1.3	1.5	1.5	1.6	1.3	1.2	1.0	1.3	1.5
South Powerhouse	1.4	1.4	1.5	1.2	1.6	1.5	1.0	1.0	1.3	1.0
South Shore	1.1	1.0	1.3	1.2	1.1	1.2	1.2	1.2	1.0	1.0
Weir Depths										
NSE-1	8.4	8.2	8.1	8.1	8.1	8.2	8.2	8.1	8.1	8.0
NSE-2	8.5	8.2	8.2	8.1	8.1	8.2	8.4	8.2	8.0	8.0
SPE-1	5.6	5.6	5.7	6.5	5.4	6.2	6.3	6.3	5.5	5.5
SPE-2	5.6	5.6	5.7	6.5	5.4	6.2	6.3	6.3	5.5	5.5
SSE-1	6.9	6.9	7.3	7.4	6.6	7.3	7.3	6.7	6.4	6.4
SSE-2 (feet above sill)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0

CRITERIA POINTS:

	1	2	3	4	5	6	7	8	9	10
Channel Velocities Differentials	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
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
Collection Channels										
North Shore	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
South Powerhouse	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
South Shore	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Weir Depths										
NSE-1	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
NSE-2	SILL	YES	YES	YES	YES	YES	YES	YES	YES	YES
SPE-1	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL
SPE-2	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL
SSE-1	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL
SSE-2 (feet above sill)	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

CRITERIA POINTS: YES

(Output = 0, 1, or NA)

	1	2	3	4	5	6	7	8	9	10
Channel Velocities Differentials	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
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
Collection Channels										
North Shore	1	1	1	1	1	1	1	1	1	1
South Powerhouse	1	1	1	1	1	1	1	1	1	1
South Shore	1	1	1	1	1	1	1	1	1	1
Weir Depths										
NSE-1	1	1	1	1	1	1	1	1	1	1
NSE-2	0	1	1	1	1	1	1	1	1	1
SPE-1	0	0	0	0	0	0	0	0	0	0
SPE-2	0	0	0	0	0	0	0	0	0	0
SSE-1	0	0	0	0	0	0	0	0	0	0
SSE-2 (feet above sill)	1	1	1	1	1	1	1	1	1	1

CRITERIA POINTS: NO

(Output = 0, 1, or NA)

	1	2	3	4	5	6	7	8	9	10
Channel Velocities Differentials	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

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
Collection Channels										
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0
Weir Depths										
NSE-1	0	0	0	0	0	0	0	0	0	0
NSE-2	0	0	0	0	0	0	0	0	0	0
SPE-1	0	0	0	0	0	0	0	0	0	0
SPE-2	0	0	0	0	0	0	0	0	0	0
SSE-1	0	0	0	0	0	0	0	0	0	0
SSE-2 (feet above sill)	0	0	0	0	0	0	0	0	0	0

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

Weir Depths

NSE-1	0	0	0	0	0	0	0	0	0	0
NSE-2	1	0	0	0	0	0	0	0	0	0
SPE-1	1	1	1	1	1	1	1	1	1	1
SPE-2	1	1	1	1	1	1	1	1	1	1
SSE-1	1	1	1	1	1	1	1	1	1	1
SSE-2 (feet above sill)										

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

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

Channel/Tailwater Differentials (<0.80)

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

Channel/Tailwater Differentials (0.80 - 0.89)

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

Channel/Tailwater Differentials (0.90 - 0.99):

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

Channel/Tailwater Differentials (2.01 - 2.10)

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

Channel/Tailwater Differentials (2.11 - 2.20)

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

Channel/Tailwater Differentials (>2.20)

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

Entrance Weir Depths (more than 0.2 too low)										
NSE-1 (<7.80)	0	0	0	0	0	0	0	0	0	0
NSE-2 (<7.80)	0	0	0	0	0	0	0	0	0	0
SPE-1 (<7.80)	0	0	0	0	0	0	0	0	0	0
SPE-2 (<7.80)	0	0	0	0	0	0	0	0	0	0
SSE-1 (<7.80)	0	0	0	0	0	0	0	0	0	0
SSE-2 (set 6 ft above sill)	Not Applic.									
Entrance Weir Depths (0.11 - 0.2 too low)										
NSE-1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
NSE-2 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
SPE-1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
SPE-2 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
SSE-1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
SSE-2 (set 6 ft above sill)	Not Applic.									
Entrance Weir Depths (0.01 - 0.1 too low)										
NSE-1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
NSE-2 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
SPE-1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
SPE-2 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
SSE-1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
SSE-2 (set 6 ft above sill)	Not Applic.									

DATES:	20-Jul	21-Jul	22-Jul	23-Jul	24-Jul	26-Jul	28-Jul	29-Jul	30-Jul	4-Aug
CHAN'L VELOCITIES (N):	1.5	1.8	2.2	1.9	1.8	2.5	2.2	2.4	2.0	2.4
Turbidity	4.5	6.2	5.0	6.8	4.6	7.0	7.0	7.0	7.0	5.7
ELEVATIONS:										
North Fish Ladder										
Forebay: SG7N	537.7	537.6	538.0	538.0	537.7	538.3	538.3	538.0	537.9	538.2
Exit Pool: SG1N	537.6	537.5	537.8	537.9	537.6	538.2	538.1	537.9	537.8	538.1
Makeup Diffuser: SG2N	534.1	534.1	534.0	534.1	534.1	534.1	534.0	534.0	534.0	534.0
U S Picketed Leads: SG3N	468.2	468.2	468.0	468.2	468.2	468.2	468.2	468.2	468.2	468.2
D S Picketed Leads: SG4N	468.0	468.0	468.0	468.0	468.0	468.0	468.0	468.0	468.0	467.9
South Fish Ladder										
Forebay: SG1S	537.7	537.6	538.0	537.8	537.5	538.3	538.3	538.0	537.9	538.2
Exit Pool: SG4S	537.6	537.5	537.8	537.8	537.4	538.2	538.2	537.9	537.8	538.1
Makeup Diffuser: SG2S	534.1	534.1	534.0	534.1	534.1	534.1	534.0	534.1	534.1	534.1
U S Picketed Leads: SG3S	534.2	534.1	534.1	534.1	534.0	534.1	534.1	534.2	534.1	534.2
D S Picketed Leads: SG2S	534.1	534.1	534.0	534.1	534.0	534.1	534.1	534.1	534.1	534.1
Collection Channels										
North Shore: SG10N	438.7	438.5	438.5	438.9	438.5	438.7	439.0	438.5	438.8	438.9
South Powerhouse: SG12N	438.8	438.5	438.4	438.9	438.6	438.7	438.7	438.5	438.8	439.0
South Shore: Channel CES	438.5	438.2	438.1	438.6	438.6	438.4	438.1	438.2	438.3	439.1
Tailwater										
North Shore: SG6N	437.5	437.2	437.1	437.5	437.5	437.6	438.0	437.2	437.6	437.4
South Powerhouse: SG9N	437.5	437.2	437.2	437.6	437.4	437.2	437.5	437.1	437.4	437.6
South Shore: Tailwater TWS	437.4	436.8	436.8	437.4	437.5	436.7	436.5	436.7	436.7	437.7
Entrance Weirs										
NSE-1	429.3	429.0	429.0	429.3	429.0	429.1	429.1	429.0	429.3	429.3
NSE-2	429.5	429.0	429.0	429.4	429.0	429.0	429.0	429.0	429.3	429.3
SPE-1	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0
SPE-2	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0
SSE-1	431.0	431.0	431.0	431.0	431.0	431.0	431.0	431.0	431.0	431.0
SSE-2 (feet above sill)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
DIFFERENTIALS/DEPTHS:										
North Fish Ladder										
Ladder Exit	0.1	0.1	0.2	0.1	0.1	0.1	0.2	0.1	0.1	0.1
Ladder Weirs	1.1	1.1	1.0	1.1	1.1	1.1	1.0	1.0	1.0	1.0
Counting Station	0.2	0.2	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.3
South Fish Ladder										
Ladder Exit	0.1	0.1	0.2	0.0	0.1	0.1	0.1	0.1	0.1	0.1
Ladder Weirs	1.1	1.1	1.0	1.1	1.1	1.1	1.0	1.1	1.1	1.1
Counting Station	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.1
Collection Channels										
North Shore	1.2	1.3	1.4	1.4	1.0	1.1	1.0	1.3	1.2	1.5
South Powerhouse	1.3	1.3	1.2	1.3	1.2	1.5	1.2	1.4	1.4	1.4
South Shore	1.1	1.4	1.3	1.2	1.1	1.7	1.6	1.5	1.6	1.4
Weir Depths										
NSE-1	8.2	8.2	8.1	8.2	8.5	8.5	8.9	8.2	8.3	8.1
NSE-2	8.0	8.2	8.1	8.1	8.5	8.6	9.0	8.2	8.3	8.1
SPE-1	5.5	5.2	5.2	5.6	5.4	5.2	5.5	5.1	5.4	5.6
SPE-2	5.5	5.2	5.2	5.6	5.4	5.2	5.5	5.1	5.4	5.6
SSE-1	6.4	5.8	5.8	6.4	6.5	5.7	5.5	5.7	5.7	6.7
SSE-2 (feet above sill)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0

CRITERIA POINTS:										
Channel Velocities Differentials	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
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
Collection Channels										
North Shore	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
South Powerhouse	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
South Shore	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Weir Depths										
NSE-1	YES	SILL	SILL	YES	SILL	YES	YES	SILL	YES	YES
NSE-2	YES	SILL	SILL	YES	SILL	SILL	SILL	SILL	YES	YES
SPE-1	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL
SPE-2	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL
SSE-1	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL
SSE-2 (feet above sill)	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

CRITERIA POINTS: YES										(Output = 0, 1, or NA)
Channel Velocities Differentials	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
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
Collection Channels										
North Shore	1	1	1	1	1	1	1	1	1	1
South Powerhouse	1	1	1	1	1	1	1	1	1	1
South Shore	1	1	1	1	1	1	1	1	1	1
Weir Depths										
NSE-1	1	0	0	1	0	1	1	0	1	1
NSE-2	1	0	0	1	0	0	0	0	1	1
SPE-1	0	0	0	0	0	0	0	0	0	0
SPE-2	0	0	0	0	0	0	0	0	0	0
SSE-1	0	0	0	0	0	0	0	0	0	0
SSE-2 (feet above sill)	1	1	1	1	1	1	1	1	1	1

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

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
Collection Channels										
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0
Weir Depths										
NSE-1	0	0	0	0	0	0	0	0	0	0
NSE-2	0	0	0	0	0	0	0	0	0	0
SPE-1	0	0	0	0	0	0	0	0	0	0
SPE-2	0	0	0	0	0	0	0	0	0	0
SSE-1	0	0	0	0	0	0	0	0	0	0
SSE-2 (feet above sill)	0	0	0	0	0	0	0	0	0	0

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

Weir Depths										
NSE-1	0	1	1	0	1	0	0	1	0	0
NSE-2	0	1	1	0	1	1	1	1	0	0
SPE-1	1	1	1	1	1	1	1	1	1	1
SPE-2	1	1	1	1	1	1	1	1	1	1
SSE-1	1	1	1	1	1	1	1	1	1	1
SSE-2 (feet above sill)										

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

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
Channel/Tailwater Differentials (<0.80)										
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (0.80 - 0.89)										
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (0.90 - 0.99):										
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (2.01 - 2.10)										
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (2.11 - 2.20)										
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (>2.20)										
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0

Entrance Weir Depths (more than 0.2 too low)										
NSE-1 (<7.80)	0	0	0	0	0	0	0	0	0	0
NSE-2 (<7.80)	0	0	0	0	0	0	0	0	0	0
SPE-1 (<7.80)	0	0	0	0	0	0	0	0	0	0
SPE-2 (<7.80)	0	0	0	0	0	0	0	0	0	0
SSE-1 (<7.80)	0	0	0	0	0	0	0	0	0	0
SSE-2 (set 6 ft above sill)	Not Applic.									

Entrance Weir Depths (0.11 - 0.2 too low)										
NSE-1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
NSE-2 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
SPE-1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
SPE-2 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
SSE-1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
SSE-2 (set 6 ft above sill)	Not Applic.									

Entrance Weir Depths (0.01 - 0.1 too low)										
NSE-1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
NSE-2 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
SPE-1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
SPE-2 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
SSE-1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
SSE-2 (set 6 ft above sill)	Not Applic.									

DATES:	5-Aug	6-Aug	9-Aug	12-Aug	14-Aug	17-Aug	18-Aug	19-Aug	20-Aug	24-Aug
CHAN'L VELOCITIES (N):	2.0	2.3	2.2	2.0	2.5	2.1	2.8	2.5	2.7	2.3
Turbidity	5.5	6.3	5.6	5.4	6.7	5.2	5.8	5.9	5.9	5.2
ELEVATIONS:										
North Fish Ladder										
Forebay: SG7N	538.4	538.2	538.2	538.2	538.3	538.4	538.1	538.2	538.5	538.1
Exit Pool: SG1N	538.2	538.1	538.2	538.1	538.2	538.3	538.0	538.1	538.4	537.9
Makeup Diffuser: SG2N	534.0	534.1	534.1	534.0	534.0	534.1	534.1	534.1	534.0	534.1
U S Picketed Leads: SG3N	468.2	468.1	468.2	468.2	468.0	468.2	468.2	468.2	468.2	468.1
D S Picketed Leads: SG4N	468.0	467.9	467.9	468.0	468.0	467.9	467.9	468.0	468.0	467.9
South Fish Ladder										
Forebay: SG1S	538.4	538.2	538.3	538.2	537.9	538.5	538.1	538.2	538.8	538.1
Exit Pool: SG4S	538.3	538.2	538.2	538.1	537.8	538.3	538.0	538.1	538.7	538.1
Makeup Diffuser: SG2S	534.2	534.2	534.1	534.2	534.0	534.1	534.1	534.1	534.1	534.2
U S Picketed Leads: SG3S	534.2	534.2	534.1	534.2	534.0	534.1	534.1	534.1	534.1	534.2
D S Picketed Leads: SG2S	534.2	534.2	534.1	534.2	534.0	534.1	534.1	534.1	534.1	534.2
Collection Channels										
North Shore: SG10N	439.2	439.1	439.2	439.2	439.2	440.4	439.8	440.0	439.8	439.9
South Powerhouse: SG12N	439.2	439.2	439.2	439.0	439.2	439.7	439.7	439.9	439.7	439.9
South Shore: Channel CES	439.1	439.0	438.9	438.6	438.9	440.1	439.7	439.9	439.7	439.7
Tailwater										
North Shore: SG6N	437.9	437.9	437.8	437.9	437.8	439.0	438.4	438.6	438.4	438.5
South Powerhouse: SG9N	438.0	438.0	438.0	437.7	438.0	438.5	438.5	438.7	438.4	438.5
South Shore: Tailwater TWS	438.0	437.8	437.8	437.4	437.7	438.9	438.4	438.6	438.3	438.3
Entrance Weirs										
NSE-1	429.3	429.3	429.3	429.8	429.0	430.1	430.3	430.6	430.2	430.5
NSE-2	429.6	429.6	429.6	429.9	429.0	430.1	430.3	430.5	430.3	430.5
SPE-1	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0
SPE-2	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0
SSE-1	431.0	431.0	431.0	431.0	431.0	431.0	431.0	431.0	431.0	431.0
SSE-2 (feet above sill)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
DIFFERENTIALS/DEPTHS:										
North Fish Ladder										
Ladder Exit	0.2	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.2
Ladder Weirs	1.0	1.1	1.1	1.0	1.0	1.1	1.1	1.1	1.0	1.1
Counting Station	0.2	0.2	0.3	0.2	0.0	0.3	0.3	0.2	0.2	0.2
South Fish Ladder										
Ladder Exit	0.1	0.0	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.0
Ladder Weirs	1.2	1.2	1.1	1.2	1.0	1.1	1.1	1.1	1.1	1.2
Counting Station	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Collection Channels										
North Shore	1.3	1.2	1.4	1.3	1.4	1.4	1.4	1.4	1.4	1.4
South Powerhouse	1.2	1.2	1.2	1.3	1.2	1.2	1.2	1.2	1.3	1.4
South Shore	1.1	1.2	1.1	1.2	1.2	1.2	1.3	1.3	1.4	1.4
Weir Depths										
NSE-1	8.6	8.6	8.5	8.1	8.8	8.9	8.1	8.0	8.2	8.0
NSE-2	8.3	8.3	8.2	8.0	8.8	8.9	8.1	8.1	8.1	8.0
SPE-1	6.0	6.0	6.0	5.7	6.0	6.5	6.5	6.7	6.4	6.5
SPE-2	6.0	6.0	6.0	5.7	6.0	6.5	6.5	6.7	6.4	6.5
SSE-1	7.0	6.8	6.8	6.4	6.7	7.9	7.4	7.6	7.3	7.3
SSE-2 (feet above sill)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0

CRITERIA POINTS:										
Channel Velocities	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Differentials										
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
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
Collection Channels										
North Shore	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
South Powerhouse	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
South Shore	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Weir Depths										
NSE-1	YES	YES	YES	YES	SILL	YES	YES	YES	YES	YES
NSE-2	YES	YES	YES	YES	SILL	YES	YES	YES	YES	YES
SPE-1	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL
SPE-2	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL
SSE-1	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL
SSE-2 (feet above sill)	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

CRITERIA POINTS: YES										(Output = 0, 1, or NA)
Channel Velocities	1	1	1	1	1	1	1	1	1	1
Differentials										
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
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
Collection Channels										
North Shore	1	1	1	1	1	1	1	1	1	1
South Powerhouse	1	1	1	1	1	1	1	1	1	1
South Shore	1	1	1	1	1	1	1	1	1	1
Weir Depths										
NSE-1	1	1	1	1	0	1	1	1	1	1
NSE-2	1	1	1	1	0	1	1	1	1	1
SPE-1	0	0	0	0	0	0	0	0	0	0
SPE-2	0	0	0	0	0	0	0	0	0	0
SSE-1	0	0	0	0	0	0	0	0	0	0
SSE-2 (feet above sill)	1	1	1	1	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										
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

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
Collection Channels										
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0
Weir Depths										
NSE-1	0	0	0	0	0	0	0	0	0	0
NSE-2	0	0	0	0	0	0	0	0	0	0
SPE-1	0	0	0	0	0	0	0	0	0	0
SPE-2	0	0	0	0	0	0	0	0	0	0
SSE-1	0	0	0	0	0	0	0	0	0	0
SSE-2 (feet above sill)	0	0	0	0	0	0	0	0	0	0

CRITERIA POINTS: SILL										(Output = 0, 1, or NA)
Weir Depths										
NSE-1	0	0	0	0	1	0	0	0	0	0
NSE-2	0	0	0	0	1	0	0	0	0	0
SPE-1	1	1	1	1	1	1	1	1	1	1
SPE-2	1	1	1	1	1	1	1	1	1	1
SSE-1	1	1	1	1	1	1	1	1	1	1
SSE-2 (feet above sill)										

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

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

Channel/Tailwater Differentials (<0.80)

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

Channel/Tailwater Differentials (0.80 - 0.89)

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

Channel/Tailwater Differentials (0.90 - 0.99):

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

Channel/Tailwater Differentials (2.01 - 2.10)

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

Channel/Tailwater Differentials (2.11 - 2.20)

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

Channel/Tailwater Differentials (>2.20)

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

Entrance Weir Depths (more than 0.2 too low)										
NSE-1 **(<7.80)**	0	0	0	0	0	0	0	0	0	0
NSE-2 **(<7.80)**	0	0	0	0	0	0	0	0	0	0
SPE-1 **(<7.80)**	0	0	0	0	0	0	0	0	0	0
SPE-2 **(<7.80)**	0	0	0	0	0	0	0	0	0	0
SSE-1 **(<7.80)**	0	0	0	0	0	0	0	0	0	0
SSE-2 **(set 6 ft above sill)**	Not Applic.									
Entrance Weir Depths (0.11 - 0.2 too low)										
NSE-1 **(7.80 - 7.89)**	0	0	0	0	0	0	0	0	0	0
NSE-2 **(7.80 - 7.89)**	0	0	0	0	0	0	0	0	0	0
SPE-1 **(7.80 - 7.89)**	0	0	0	0	0	0	0	0	0	0
SPE-2 **(7.80 - 7.89)**	0	0	0	0	0	0	0	0	0	0
SSE-1 **(7.80 - 7.89)**	0	0	0	0	0	0	0	0	0	0
SSE-2 **(set 6 ft above sill)**	Not Applic.									
Entrance Weir Depths (0.01 - 0.1 too low)										
NSE-1 **(7.90 - 7.99)**	0	0	0	0	0	0	0	0	0	0
NSE-2 **(7.90 - 7.99)**	0	0	0	0	0	0	0	0	0	0
SPE-1 **(7.90 - 7.99)**	0	0	0	0	0	0	0	0	0	0
SPE-2 **(7.90 - 7.99)**	0	0	0	0	0	0	0	0	0	0
SSE-1 **(7.90 - 7.99)**	0	0	0	0	0	0	0	0	0	0
SSE-2 **(set 6 ft above sill)**	Not Applic.									

DATES:	25-Aug	27-Aug	29-Aug	1-Sep	2-Sep	3-Sep	4-Sep	7-Sep	8-Sep	9-Sep
APPENDIX 1 (CONTINUED). LOWER MONUMENTAL ADULT FISHWAY INSPECTIONS					2023					
CHAN'L VELOCITIES (N):	2.2	2.3	2.2	2.5	2.8	2.6	2.7	2.4	2.5	2.7
Turbidity	5.3	5.4	6.0	6.7	5.0	5.0	6.5	6.5	5.3	5.7
ELEVATIONS:										
North Fish Ladder										
Forebay: SG7N	538.7	538.5	538.4	538.2	537.6	537.7	538.3	538.5	538.8	538.6
Exit Pool: SG1N	538.5	538.2	538.2	538.2	537.6	537.7	538.2	538.3	538.7	538.5
Makeup Diffuser: SG2N	534.1	534.1	534.1	534.1	534.1	534.1	534.1	534.0	534.1	534.1
U S Picketed Leads: SG3N	468.1	468.1	468.0	468.2	468.1	468.1	468.0	468.0	468.1	468.1
D S Picketed Leads: SG4N	467.9	467.9	468.0	467.9	467.9	467.9	468.0	468.0	467.9	467.9
South Fish Ladder										
Forebay: SG1S	538.7	538.5	538.2	538.3	537.6	537.8	538.5	538.3	538.9	538.6
Exit Pool: SG4S	538.7	538.4	538.1	538.2	537.5	537.7	538.4	538.2	538.8	538.4
Makeup Diffuser: SG2S	534.1	534.2	534.1	534.1	534.1	534.1	534.0	534.1	534.1	534.1
U S Picketed Leads: SG3S	534.1	534.2	534.2	534.2	534.1	534.2	534.2	534.0	534.1	534.2
D S Picketed Leads: SG2S	534.1	534.2	534.2	534.1	534.1	534.1	534.0	534.0	534.1	534.1
Collection Channels										
North Shore: SG10N	439.4	439.6	439.2	440.6	440.7	440.0	440.2	440.2	440.4	440.7
South Powerhouse: SG12N	439.2	439.5	439.4	440.5	440.5	439.9	440.0	440.0	440.2	440.4
South Shore: Channel CES	439.5	439.9	439.6	440.6	440.5	440.3	440.2	440.1	440.2	440.5
Tailwater										
North Shore: SG6N	438.0	438.1	438.0	439.3	439.4	438.7	439.0	439.0	439.2	439.3
South Powerhouse: SG9N	437.9	438.2	438.1	439.2	439.4	438.7	439.0	439.0	439.2	439.3
South Shore: Tailwater TWS	438.1	438.7	438.5	439.3	439.4	439.1	439.0	438.8	438.9	439.3
Entrance Weirs										
NSE-1	429.9	430.0	430.0	431.3	431.6	430.6	430.9	430.8	431.0	431.3
NSE-2	430.0	430.0	430.0	431.0	431.1	430.7	431.0	431.0	431.2	431.2
SPE-1	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0
SPE-2	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0
SSE-1	431.0	431.0	431.0	431.0	431.2	431.0	431.0	431.0	431.0	431.2
SSE-2 (feet above sill)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
DIFFERENTIALS/DEPTHS:										
North Fish Ladder										
Ladder Exit	0.2	0.3	0.2	0.0	0.0	0.0	0.1	0.2	0.1	0.1
Ladder Weirs	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.1	1.1
Counting Station	0.2	0.2	0.0	0.3	0.2	0.2	0.0	0.0	0.2	0.2
South Fish Ladder										
Ladder Exit	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
Ladder Weirs	1.1	1.2	1.1	1.1	1.1	1.1	1.0	1.1	1.1	1.1
Counting Station	0.0	0.0	0.0	0.1	0.0	0.1	0.2	0.0	0.0	0.1
Collection Channels										
North Shore	1.4	1.5	1.2	1.3	1.3	1.3	1.2	1.2	1.2	1.4
South Powerhouse	1.3	1.3	1.3	1.3	1.1	1.2	1.0	1.0	1.0	1.1
South Shore	1.4	1.2	1.1	1.3	1.1	1.2	1.2	1.3	1.3	1.2
Weir Depths										
NSE-1	8.1	8.1	8.0	8.0	7.8	8.1	8.1	8.2	8.2	8.0
NSE-2	8.0	8.1	8.0	8.3	8.3	8.0	8.0	8.0	8.0	8.1
SPE-1	5.9	6.2	6.1	7.2	7.4	6.7	7.0	7.0	7.2	7.3
SPE-2	5.9	6.2	6.1	7.2	7.4	6.7	7.0	7.0	7.2	7.3
SSE-1	7.1	7.7	7.5	8.3	8.2	8.1	8.0	7.8	7.9	8.1
SSE-2 (feet above sill)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0

CRITERIA POINTS:										
Channel Velocities Differentials	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
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
Collection Channels										
North Shore	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
South Powerhouse	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
South Shore	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Weir Depths										
NSE-1	YES	YES	YES	YES	NO	YES	YES	YES	YES	YES
NSE-2	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
SPE-1	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL
SPE-2	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL
SSE-1	SILL	SILL	SILL	YES	YES	YES	YES	SILL	SILL	YES
SSE-2 (feet above sill)	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

CRITERIA POINTS: YES										(Output = 0, 1, or NA)
Channel Velocities Differentials	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
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
Collection Channels										
North Shore	1	1	1	1	1	1	1	1	1	1
South Powerhouse	1	1	1	1	1	1	1	1	1	1
South Shore	1	1	1	1	1	1	1	1	1	1
Weir Depths										
NSE-1	1	1	1	1	0	1	1	1	1	1
NSE-2	1	1	1	1	1	1	1	1	1	1
SPE-1	0	0	0	0	0	0	0	0	0	0
SPE-2	0	0	0	0	0	0	0	0	0	0
SSE-1	0	0	0	1	1	1	1	0	0	1
SSE-2 (feet above sill)	1	1	1	1	1	1	1	1	1	1

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

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
Collection Channels										
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0
Weir Depths										
NSE-1	0	0	0	0	1	0	0	0	0	0
NSE-2	0	0	0	0	0	0	0	0	0	0
SPE-1	0	0	0	0	0	0	0	0	0	0
SPE-2	0	0	0	0	0	0	0	0	0	0
SSE-1	0	0	0	0	0	0	0	0	0	0
SSE-2 (feet above sill)	0	0	0	0	0	0	0	0	0	0

CRITERIA POINTS: SILL										**(Output = 0, 1, or NA)**
Weir Depths										
NSE-1	0	0	0	0	0	0	0	0	0	0
NSE-2	0	0	0	0	0	0	0	0	0	0
SPE-1	1	1	1	1	1	1	1	1	1	1
SPE-2	1	1	1	1	1	1	1	1	1	1
SSE-1	1	1	1	0	0	0	0	1	1	0
SSE-2 (feet above sill)										

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

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

Channel/Tailwater Differentials (<0.80)

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

Channel/Tailwater Differentials (0.80 - 0.89)

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

Channel/Tailwater Differentials (0.90 - 0.99):

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

Channel/Tailwater Differentials (2.01 - 2.10)

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

Channel/Tailwater Differentials (2.11 - 2.20)

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

Channel/Tailwater Differentials (>2.20)

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

Entrance Weir Depths (more than 0.2 too low)										
NSE-1 **(<7.80)**	0	0	0	0	1	0	0	0	0	0
NSE-2 **(<7.80)**	0	0	0	0	0	0	0	0	0	0
SPE-1 **(<7.80)**	0	0	0	0	0	0	0	0	0	0
SPE-2 **(<7.80)**	0	0	0	0	0	0	0	0	0	0
SSE-1 **(<7.80)**	0	0	0	0	0	0	0	0	0	0
SSE-2 **(set 6 ft above sill)**	Not Applic.									
Entrance Weir Depths (0.11 - 0.2 too low)										
NSE-1 **(7.80 - 7.89)**	0	0	0	0	0	0	0	0	0	0
NSE-2 **(7.80 - 7.89)**	0	0	0	0	0	0	0	0	0	0
SPE-1 **(7.80 - 7.89)**	0	0	0	0	0	0	0	0	0	0
SPE-2 **(7.80 - 7.89)**	0	0	0	0	0	0	0	0	0	0
SSE-1 **(7.80 - 7.89)**	0	0	0	0	0	0	0	0	0	0
SSE-2 **(set 6 ft above sill)**	Not Applic.									
Entrance Weir Depths (0.01 - 0.1 too low)										
NSE-1 **(7.90 - 7.99)**	0	0	0	0	0	0	0	0	0	0
NSE-2 **(7.90 - 7.99)**	0	0	0	0	0	0	0	0	0	0
SPE-1 **(7.90 - 7.99)**	0	0	0	0	0	0	0	0	0	0
SPE-2 **(7.90 - 7.99)**	0	0	0	0	0	0	0	0	0	0
SSE-1 **(7.90 - 7.99)**	0	0	0	0	0	0	0	0	0	0
SSE-2 **(set 6 ft above sill)**	Not Applic.									

DATES:	10-Sep	13-Sep	15-Sep	16-Sep	17-Sep	19-Sep	21-Sep	22-Sep	23-Sep	24-Sep
CHAN'L VELOCITIES (N):	2.5	2.8	2.5	2.6	2.7	2.3	2.5	2.6	2.4	2.7
Turbidity	6.7	5.2	5.2	5.8	5.7	5.6	5.0	5.1	4.8	5.7
ELEVATIONS:										
North Fish Ladder										
Forebay: SG7N	538.2	538.3	538.9	538.3	538.9	538.5	539.6	538.6	538.2	538.3
Exit Pool: SG1N	538.2	538.2	538.8	538.2	538.8	538.4	539.4	538.5	538.1	538.2
Makeup Diffuser: SG2N	534.1	534.1	534.1	534.1	534.0	534.1	534.1	534.0	534.0	534.0
U S Picketed Leads: SG3N	468.2	468.1	468.1	468.2	468.1	468.2	468.2	468.2	468.1	468.1
D S Picketed Leads: SG4N	468.1	467.9	467.9	468.1	467.9	468.0	468.0	468.0	467.9	467.9
South Fish Ladder										
Forebay: SG1S	538.2	538.3	538.8	538.2	538.9	538.5	539.6	538.6	538.3	538.4
Exit Pool: SG4S	538.1	538.2	538.7	538.2	538.7	538.4	539.4	538.5	538.1	538.2
Makeup Diffuser: SG2S	534.0	534.1	534.1	534.0	534.1	534.1	534.0	534.1	534.1	534.1
U S Picketed Leads: SG3S	534.2	534.1	534.1	534.0	534.1	534.2	534.2	534.1	534.1	534.1
D S Picketed Leads: SG2S	534.0	534.1	534.1	534.0	534.1	534.1	534.2	534.1	534.1	534.1
Collection Channels										
North Shore: SG10N	439.0	440.0	439.7	440.0	440.0	440.2	440.2	439.8	440.3	440.4
South Powerhouse: SG12N	439.0	440.1	439.5	440.1	439.8	440.0	439.9	439.6	440.0	440.3
South Shore: Channel CES	440.3	440.3	439.8	440.1	440.0	440.4	439.8	440.1	440.2	440.5
Tailwater										
North Shore: SG6N	437.6	438.6	438.2	438.7	438.6	438.8	438.6	438.4	438.9	439.4
South Powerhouse: SG9N	437.8	438.9	438.2	438.8	438.7	438.9	438.6	438.5	439.0	439.2
South Shore: Tailwater TWS	439.1	439.0	438.4	439.0	438.7	439.1	438.7	438.7	438.7	439.1
Entrance Weirs										
NSE-1	429.6	430.6	430.1	430.7	430.5	430.8	430.4	430.3	430.8	431.3
NSE-2	429.4	430.4	430.2	430.7	430.4	430.8	430.3	430.4	430.8	431.4
SPE-1	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0
SPE-2	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0
SSE-1	431.1	431.0	431.0	431.0	431.0	431.0	431.0	431.0	431.0	431.1
SSE-2 (feet above sill)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
DIFFERENTIALS/DEPTHS:										
North Fish Ladder										
Ladder Exit	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1
Ladder Weirs	1.1	1.1	1.1	1.1	1.0	1.1	1.1	1.0	1.0	1.0
Counting Station	0.1	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2
South Fish Ladder										
Ladder Exit	0.1	0.1	0.1	0.0	0.2	0.1	0.2	0.1	0.2	0.2
Ladder Weirs	1.0	1.1	1.1	1.0	1.1	1.1	1.0	1.1	1.1	1.1
Counting Station	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Collection Channels										
North Shore	1.4	1.4	1.5	1.3	1.4	1.4	1.6	1.4	1.4	1.0
South Powerhouse	1.2	1.2	1.3	1.3	1.1	1.1	1.3	1.1	1.0	1.1
South Shore	1.2	1.3	1.4	1.1	1.3	1.3	1.1	1.4	1.5	1.4
Weir Depths										
NSE-1	8.0	8.0	8.1	8.0	8.1	8.0	8.2	8.1	8.1	8.1
NSE-2	8.2	8.2	8.0	8.0	8.2	8.0	8.3	8.0	8.1	8.0
SPE-1	5.8	6.9	6.2	6.8	6.7	6.9	6.6	6.5	7.0	7.2
SPE-2	5.8	6.9	6.2	6.8	6.7	6.9	6.6	6.5	7.0	7.2
SSE-1	8.0	8.0	7.4	8.0	7.7	8.1	7.7	7.7	7.7	8.0
SSE-2 (feet above sill)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0

CRITERIA POINTS:										
Channel Velocities	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Differentials										
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
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
Collection Channels										
North Shore	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
South Powerhouse	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
South Shore	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Weir Depths										
NSE-1	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
NSE-2	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
SPE-1	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL
SPE-2	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL
SSE-1	YES	YES	SILL	YES	SILL	YES	SILL	SILL	SILL	YES
SSE-2 (feet above sill)	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

CRITERIA POINTS: YES										(Output = 0, 1, or NA)
Channel Velocities	1	1	1	1	1	1	1	1	1	1
Differentials										
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
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
Collection Channels										
North Shore	1	1	1	1	1	1	1	1	1	1
South Powerhouse	1	1	1	1	1	1	1	1	1	1
South Shore	1	1	1	1	1	1	1	1	1	1
Weir Depths										
NSE-1	1	1	1	1	1	1	1	1	1	1
NSE-2	1	1	1	1	1	1	1	1	1	1
SPE-1	0	0	0	0	0	0	0	0	0	0
SPE-2	0	0	0	0	0	0	0	0	0	0
SSE-1	1	1	0	1	0	1	0	0	0	1
SSE-2 (feet above sill)	1	1	1	1	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										
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

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
Collection Channels										
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0
Weir Depths										
NSE-1	0	0	0	0	0	0	0	0	0	0
NSE-2	0	0	0	0	0	0	0	0	0	0
SPE-1	0	0	0	0	0	0	0	0	0	0
SPE-2	0	0	0	0	0	0	0	0	0	0
SSE-1	0	0	0	0	0	0	0	0	0	0
SSE-2 (feet above sill)	0	0	0	0	0	0	0	0	0	0

CRITERIA POINTS: SILL										(Output = 0, 1, or NA)
Weir Depths										
NSE-1	0	0	0	0	0	0	0	0	0	0
NSE-2	0	0	0	0	0	0	0	0	0	0
SPE-1	1	1	1	1	1	1	1	1	1	1
SPE-2	1	1	1	1	1	1	1	1	1	1
SSE-1	0	0	1	0	1	0	1	1	1	0
SSE-2 (feet above sill)										

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

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

Channel/Tailwater Differentials (<0.80)

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

Channel/Tailwater Differentials (0.80 - 0.89)

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

Channel/Tailwater Differentials (0.90 - 0.99):

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

Channel/Tailwater Differentials (2.01 - 2.10)

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

Channel/Tailwater Differentials (2.11 - 2.20)

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

Channel/Tailwater Differentials (>2.20)

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

Entrance Weir Depths (more than 0.2 too low)										
NSE-1 **(<7.80)**	0	0	0	0	0	0	0	0	0	0
NSE-2 **(<7.80)**	0	0	0	0	0	0	0	0	0	0
SPE-1 **(<7.80)**	0	0	0	0	0	0	0	0	0	0
SPE-2 **(<7.80)**	0	0	0	0	0	0	0	0	0	0
SSE-1 **(<7.80)**	0	0	0	0	0	0	0	0	0	0
SSE-2 **(set 6 ft above sill)**	Not Applic.									
Entrance Weir Depths (0.11 - 0.2 too low)										
NSE-1 **(7.80 - 7.89)**	0	0	0	0	0	0	0	0	0	0
NSE-2 **(7.80 - 7.89)**	0	0	0	0	0	0	0	0	0	0
SPE-1 **(7.80 - 7.89)**	0	0	0	0	0	0	0	0	0	0
SPE-2 **(7.80 - 7.89)**	0	0	0	0	0	0	0	0	0	0
SSE-1 **(7.80 - 7.89)**	0	0	0	0	0	0	0	0	0	0
SSE-2 **(set 6 ft above sill)**	Not Applic.									
Entrance Weir Depths (0.01 - 0.1 too low)										
NSE-1 **(7.90 - 7.99)**	0	0	0	0	0	0	0	0	0	0
NSE-2 **(7.90 - 7.99)**	0	0	0	0	0	0	0	0	0	0
SPE-1 **(7.90 - 7.99)**	0	0	0	0	0	0	0	0	0	0
SPE-2 **(7.90 - 7.99)**	0	0	0	0	0	0	0	0	0	0
SSE-1 **(7.90 - 7.99)**	0	0	0	0	0	0	0	0	0	0
SSE-2 **(set 6 ft above sill)**	Not Applic.									

DATES:	25-Sep	28-Sep	29-Sep	30-Sep	1-Oct	3-Oct	4-Oct	10-Oct	11-Oct	12-Oct
CHAN'L VELOCITIES (N):	1.8	2.1	2.6	2.6	2.6	2.5	2.5	2.6	2.5	2.5
Turbidity	4.7	5.5	5.4	5.6	4.9	5.1	4.6	5.3	4.6	4.6
ELEVATIONS:										
North Fish Ladder										
Forebay: SG7N	538.6	538.6	537.9	538.7	538.4	538.5	538.0	538.8	538.1	538.7
Exit Pool: SG1N	538.5	538.5	537.9	538.5	538.2	538.3	537.9	538.8	537.9	538.4
Makeup Diffuser: SG2N	534.1	534.0	534.1	534.1	534.1	534.1	534.1	534.1	534.1	534.1
U S Picketed Leads: SG3N	468.1	468.2	468.1	468.2	468.2	468.2	468.2	468.0	468.2	467.9
D S Picketed Leads: SG4N	467.9	468.1	467.9	468.0	467.9	468.0	468.0	468.0	467.9	467.9
South Fish Ladder										
Forebay: SG1S	538.6	538.4	537.9	538.8	538.4	538.5	537.8	538.8	538.1	538.7
Exit Pool: SG4S	538.4	538.2	537.7	538.6	538.2	538.5	537.8	538.6	537.9	538.4
Makeup Diffuser: SG2S	534.1	534.0	534.1	534.1	534.1	534.1	534.1	534.1	534.0	534.0
U S Picketed Leads: SG3S	534.2	534.2	534.1	534.1	534.1	534.1	534.1	534.1	534.2	534.1
D S Picketed Leads: SG2S	534.1	534.1	534.1	534.1	534.1	534.1	534.1	534.1	534.0	534.0
Collection Channels										
North Shore: SG10N	440.0	440.0	439.6	439.7	439.7	439.8	440.4	440.1	440.1	440.3
South Powerhouse: SG12N	440.3	440.0	439.5	439.6	439.6	439.8	440.3	440.0	439.9	440.0
South Shore: Channel CES	440.3	440.3	439.9	440.0	439.8	440.0	440.3	440.2	440.7	440.5
Tailwater										
North Shore: SG6N	438.7	438.9	438.2	438.5	438.4	438.6	439.1	438.9	438.9	438.9
South Powerhouse: SG9N	439.2	438.9	438.3	438.4	438.5	438.7	439.2	438.9	438.8	439.0
South Shore: Tailwater TWS	438.9	438.9	438.4	438.5	438.3	438.5	438.9	438.7	439.4	439.0
Entrance Weirs										
NSE-1	430.7	430.7	430.2	430.3	430.3	430.4	431.0	430.8	430.9	430.8
NSE-2	430.7	430.9	430.4	430.3	430.4	430.6	431.1	430.7	430.9	430.7
SPE-1	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0
SPE-2	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0
SSE-1	431.0	431.0	431.0	431.0	431.0	431.0	431.0	431.0	431.2	431.0
SSE-2 (feet above sill)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
DIFFERENTIALS/DEPTHS:										
North Fish Ladder										
Ladder Exit	0.1	0.1	0.0	0.2	0.2	0.2	0.1	0.0	0.2	0.3
Ladder Weirs	1.1	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Counting Station	0.2	0.1	0.2	0.2	0.3	0.2	0.2	0.0	0.3	0.0
South Fish Ladder										
Ladder Exit	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.2	0.2	0.3
Ladder Weirs	1.1	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0
Counting Station	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1
Collection Channels										
North Shore	1.3	1.1	1.4	1.2	1.3	1.2	1.3	1.2	1.2	1.4
South Powerhouse	1.1	1.1	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.0
South Shore	1.4	1.4	1.5	1.5	1.5	1.5	1.4	1.5	1.3	1.5
Weir Depths										
NSE-1	8.0	8.2	8.0	8.2	8.1	8.2	8.1	8.1	8.0	8.1
NSE-2	8.0	8.0	7.8	8.2	8.0	8.0	8.0	8.2	8.0	8.2
SPE-1	7.2	6.9	6.3	6.4	6.5	6.7	7.2	6.9	6.8	7.0
SPE-2	7.2	6.9	6.3	6.4	6.5	6.7	7.2	6.9	6.8	7.0
SSE-1	7.9	7.9	7.4	7.5	7.3	7.5	7.9	7.7	8.2	8.0
SSE-2 (feet above sill)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0

CRITERIA POINTS:										
Channel Velocities	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Differentials										
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
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
Collection Channels										
North Shore	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
South Powerhouse	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
South Shore	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Weir Depths										
NSE-1	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
NSE-2	YES	YES	NO	YES	YES	YES	YES	YES	YES	YES
SPE-1	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL
SPE-2	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL
SSE-1	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	YES	YES
SSE-2 (feet above sill)	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

CRITERIA POINTS: YES										
Channel Velocities	1	1	1	1	1	1	1	1	1	1
Differentials										
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
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
Collection Channels										
North Shore	1	1	1	1	1	1	1	1	1	1
South Powerhouse	1	1	1	1	1	1	1	1	1	1
South Shore	1	1	1	1	1	1	1	1	1	1
Weir Depths										
NSE-1	1	1	1	1	1	1	1	1	1	1
NSE-2	1	1	0	1	1	1	1	1	1	1
SPE-1	0	0	0	0	0	0	0	0	0	0
SPE-2	0	0	0	0	0	0	0	0	0	0
SSE-1	0	0	0	0	0	0	0	0	1	1
SSE-2 (feet above sill)	1	1	1	1	1	1	1	1	1	1

CRITERIA POINTS: NO										
Channel Velocities	0	0	0	0	0	0	0	0	0	0
Differentials										
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

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
Collection Channels										
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0
Weir Depths										
NSE-1	0	0	0	0	0	0	0	0	0	0
NSE-2	0	0	1	0	0	0	0	0	0	0
SPE-1	0	0	0	0	0	0	0	0	0	0
SPE-2	0	0	0	0	0	0	0	0	0	0
SSE-1	0	0	0	0	0	0	0	0	0	0
SSE-2 (feet above sill)	0	0	0	0	0	0	0	0	0	0

CRITERIA POINTS: SILL

Weir Depths										
NSE-1	0	0	0	0	0	0	0	0	0	0
NSE-2	0	0	0	0	0	0	0	0	0	0
SPE-1	1	1	1	1	1	1	1	1	1	1
SPE-2	1	1	1	1	1	1	1	1	1	1
SSE-1	1	1	1	1	1	1	1	1	0	0
SSE-2 (feet above sill)										

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

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

Entrance Weir Depths (more than 0.2 too low)										
NSE-1 (<7.80)	0	0	0	0	0	0	0	0	0	0
NSE-2 (<7.80)	0	0	0	0	0	0	0	0	0	0
SPE-1 (<7.80)	0	0	0	0	0	0	0	0	0	0
SPE-2 (<7.80)	0	0	0	0	0	0	0	0	0	0
SSE-1 (<7.80)	0	0	0	0	0	0	0	0	0	0
SSE-2 (set 6 ft above sill)	Not Applic.									
Entrance Weir Depths (0.11 - 0.2 too low)										
NSE-1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
NSE-2 (7.80 - 7.89)	0	0	1	0	0	0	0	0	0	0
SPE-1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
SPE-2 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
SSE-1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
SSE-2 (set 6 ft above sill)	Not Applic.									
Entrance Weir Depths (0.01 - 0.1 too low)										
NSE-1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
NSE-2 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
SPE-1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
SPE-2 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
SSE-1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
SSE-2 (set 6 ft above sill)	Not Applic.									

APPENDIX 1 (CONTINUED). LOWER MONUMENTAL ADULT FISHWAY INSPECTIONS					2023					
DATES:	16-Oct	18-Oct	19-Oct	23-Oct	24-Oct	25-Oct	31-Oct	1-Nov	2-Nov	6-Nov
CHAN'L VELOCITIES (N):	2.6	2.6	2.7	2.4	2.5	2.5	2.4	2.5	2.4	2.4
Turbidity	5.5	4.7	5.2	5.4	5.5	5.4	5.7	5.5	5.5	5.6
ELEVATIONS:										
North Fish Ladder										
Forebay: SG7N	538.5	538.9	539.0	538.4	538.9	538.9	539.0	538.6	538.5	538.7
Exit Pool: SG1N	538.4	538.6	538.8	538.4	538.7	538.7	538.8	538.6	538.4	538.6
Makeup Diffuser: SG2N	534.1	534.1	534.1	534.1	534.1	534.0	534.0	534.1	534.1	534.1
U S Picketed Leads: SG3N	468.1	468.2	468.2	468.1	468.1	468.2	468.1	468.1	468.1	468.1
D S Picketed Leads: SG4N	467.9	468.0	468.0	468.0	468.0	467.9	467.9	467.9	467.9	467.9
South Fish Ladder										
Forebay: SG1S	538.5	538.9	539.1	538.4	538.9	538.9	539.1	538.6	538.5	538.7
Exit Pool: SG4S	538.3	538.8	538.8	538.2	538.8	538.7	539.0	538.4	538.4	538.6
Makeup Diffuser: SG2S	534.1	534.1	534.1	534.1	534.1	534.1	534.1	534.1	534.0	534.1
U S Picketed Leads: SG3S	534.2	534.2	534.1	534.2	534.2	534.2	534.2	534.2	534.1	534.2
D S Picketed Leads: SG2S	534.1	534.1	534.1	534.1	534.1	534.1	534.1	534.1	534.0	534.1
Collection Channels										
North Shore: SG10N	440.2	440.2	440.3	440.1	440.3	440.2	440.6	440.4	440.0	440.4
South Powerhouse: SG12N	440.0	440.1	440.0	439.9	440.1	440.1	440.3	440.6	439.8	440.3
South Shore: Channel CES	440.3	440.2	440.2	440.3	440.4	440.4	440.4	440.5	440.1	440.2
Tailwater										
North Shore: SG6N	438.9	438.8	438.8	438.8	439.0	438.8	438.6	439.3	438.7	439.0
South Powerhouse: SG9N	438.9	439.0	438.8	438.8	439.1	439.0	439.2	439.5	438.6	439.2
South Shore: Tailwater TWS	438.9	438.7	438.7	438.8	439.1	439.0	439.1	439.1	438.7	439.2
Entrance Weirs										
NSE-1	430.9	430.8	430.8	430.7	431.0	430.0	430.5	431.2	430.7	431.0
NSE-2	430.9	430.8	430.6	430.4	431.0	430.8	430.6	430.8	430.2	430.7
SPE-1	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0
SPE-2	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0
SSE-1	431.0	431.0	431.0	431.0	431.0	431.0	431.1	431.0	431.0	431.0
SSE-2 (feet above sill)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
DIFFERENTIALS/DEPTHS:										
North Fish Ladder										
Ladder Exit	0.1	0.3	0.2	0.0	0.2	0.2	0.2	0.0	0.1	0.1
Ladder Weirs	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.1	1.1	1.1
Counting Station	0.2	0.2	0.2	0.1	0.1	0.3	0.2	0.2	0.2	0.2
South Fish Ladder										
Ladder Exit	0.2	0.1	0.3	0.2	0.1	0.2	0.1	0.2	0.1	0.1
Ladder Weirs	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.1
Counting Station	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Collection Channels										
North Shore	1.3	1.4	1.5	1.3	1.3	1.4	2.0	1.1	1.3	1.4
South Powerhouse	1.1	1.1	1.2	1.1	1.0	1.1	1.1	1.1	1.2	1.1
South Shore	1.4	1.5	1.5	1.5	1.3	1.4	1.3	1.4	1.4	1.0
Weir Depths										
NSE-1	8.0	8.0	8.0	8.1	8.0	8.8	8.1	8.1	8.0	8.0
NSE-2	8.0	8.0	8.2	8.4	8.0	8.0	8.0	8.5	8.5	8.3
SPE-1	6.9	7.0	6.8	6.8	7.1	7.0	7.2	7.5	6.6	7.2
SPE-2	6.9	7.0	6.8	6.8	7.1	7.0	7.2	7.5	6.6	7.2
SSE-1	7.9	7.7	7.7	7.8	8.1	8.0	8.0	8.1	7.7	8.2
SSE-2 (feet above sill)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0

CRITERIA POINTS:										
Channel Velocities	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Differentials										
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
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
Collection Channels										
North Shore	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
South Powerhouse	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
South Shore	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Weir Depths										
NSE-1	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
NSE-2	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
SPE-1	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL
SPE-2	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL
SSE-1	SILL	SILL	SILL	SILL	YES	YES	YES	YES	SILL	YES
SSE-2 (feet above sill)	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

CRITERIA POINTS: YES										
Channel Velocities	1	1	1	1	1	1	1	1	1	1
Differentials										
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
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
Collection Channels										
North Shore	1	1	1	1	1	1	1	1	1	1
South Powerhouse	1	1	1	1	1	1	1	1	1	1
South Shore	1	1	1	1	1	1	1	1	1	1
Weir Depths										
NSE-1	1	1	1	1	1	1	1	1	1	1
NSE-2	1	1	1	1	1	1	1	1	1	1
SPE-1	0	0	0	0	0	0	0	0	0	0
SPE-2	0	0	0	0	0	0	0	0	0	0
SSE-1	0	0	0	0	1	1	1	1	0	1
SSE-2 (feet above sill)	1	1	1	1	1	1	1	1	1	1

CRITERIA POINTS: NO										
Channel Velocities	0	0	0	0	0	0	0	0	0	0
Differentials										
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

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
Collection Channels										
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0
Weir Depths										
NSE-1	0	0	0	0	0	0	0	0	0	0
NSE-2	0	0	0	0	0	0	0	0	0	0
SPE-1	0	0	0	0	0	0	0	0	0	0
SPE-2	0	0	0	0	0	0	0	0	0	0
SSE-1	0	0	0	0	0	0	0	0	0	0
SSE-2 (feet above sill)	0	0	0	0	0	0	0	0	0	0

CRITERIA POINTS: SILL

Weir Depths										
NSE-1	0	0	0	0	0	0	0	0	0	0
NSE-2	0	0	0	0	0	0	0	0	0	0
SPE-1	1	1	1	1	1	1	1	1	1	1
SPE-2	1	1	1	1	1	1	1	1	1	1
SSE-1	1	1	1	1	0	0	0	0	1	0
SSE-2 (feet above sill)										

North Ladder Differentials (more than 0.2 too low)

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

North Ladder Differentials (0.11 - 0.2 too low)

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

North Ladder Differentials (0.01 - 0.1 too low)

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

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

South Ladder Differentials (more than 0.2 too low)

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

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

Entrance Weir Depths (more than 0.2 too low)										
NSE-1 **(<7.80)**	0	0	0	0	0	0	0	0	0	0
NSE-2 **(<7.80)**	0	0	0	0	0	0	0	0	0	0
SPE-1 **(<7.80)**	0	0	0	0	0	0	0	0	0	0
SPE-2 **(<7.80)**	0	0	0	0	0	0	0	0	0	0
SSE-1 **(<7.80)**	0	0	0	0	0	0	0	0	0	0
SSE-2 **(set 6 ft above sill)**										
Entrance Weir Depths (0.11 - 0.2 too low)										
NSE-1 **(7.80 - 7.89)**	0	0	0	0	0	0	0	0	0	0
NSE-2 **(7.80 - 7.89)**	0	0	0	0	0	0	0	0	0	0
SPE-1 **(7.80 - 7.89)**	0	0	0	0	0	0	0	0	0	0
SPE-2 **(7.80 - 7.89)**	0	0	0	0	0	0	0	0	0	0
SSE-1 **(7.80 - 7.89)**	0	0	0	0	0	0	0	0	0	0
SSE-2 **(set 6 ft above sill)**										
Entrance Weir Depths (0.01 - 0.1 too low)										
NSE-1 **(7.90 - 7.99)**	0	0	0	0	0	0	0	0	0	0
NSE-2 **(7.90 - 7.99)**	0	0	0	0	0	0	0	0	0	0
SPE-1 **(7.90 - 7.99)**	0	0	0	0	0	0	0	0	0	0
SPE-2 **(7.90 - 7.99)**	0	0	0	0	0	0	0	0	0	0
SSE-1 **(7.90 - 7.99)**	0	0	0	0	0	0	0	0	0	0
SSE-2 **(set 6 ft above sill)**										

	7-Nov	8-Nov	13-Nov	14-Nov	15-Nov	20-Nov	21-Nov	22-Nov	27-Nov	28-Nov
APPENDIX 1 (CONTINUED). LOWER MONUMENTAL ADULT FISHWAY INSPECTIONS						**2023**				
DATES:	7-Nov	8-Nov	13-Nov	14-Nov	15-Nov	20-Nov	21-Nov	22-Nov	27-Nov	28-Nov
CHAN'L VELOCITIES (N):	2.4	2.5	1.9	2.1	2.1	2.5	2.2	2.4	2.7	2.5
Turbidity	5.4	5.4	5.6	5.4	5.7	5.5	5.4	5.3	6.2	6.4
ELEVATIONS:										
North Fish Ladder										
Forebay: SG7N	538.7	539.0	539.1	538.6	538.9	538.5	538.6	538.8	539.1	538.0
Exit Pool: SG1N	538.6	539.0	539.0	538.6	538.7	538.4	538.5	538.7	539.0	537.9
Makeup Diffuser: SG2N	534.1	534.1	534.0	534.1	534.1	534.0	534.0	534.0	534.1	534.1
U S Picketed Leads: SG3N	468.2	468.2	468.2	468.1	468.2	468.1	468.2	468.2	468.2	468.2
D S Picketed Leads: SG4N	467.9	467.9	468.0	467.9	467.9	467.9	467.9	468.0	468.0	468.0
South Fish Ladder										
Forebay: SG1S	538.7	539.0	539.1	538.6	538.9	538.4	538.6	538.8	539.1	538.1
Exit Pool: SG4S	538.6	538.8	539.0	538.5	538.8	538.3	538.5	538.6	539.0	538.0
Makeup Diffuser: SG2S	534.1	534.0	534.0	534.1	534.1	534.1	534.1	534.1	534.1	534.1
U S Picketed Leads: SG3S	534.2	534.1	534.1	534.2	534.2	534.1	534.2	534.2	534.2	534.2
D S Picketed Leads: SG2S	534.1	534.0	534.0	534.1	534.1	534.1	534.1	534.1	534.1	534.1
Collection Channels										
North Shore: SG10N	440.2	440.2	438.6	439.8	439.5	439.7	440.2	440.3	440.1	440.4
South Powerhouse: SG12N	440.1	440.4	438.7	439.8	439.4	439.6	440.0	440.1	439.9	440.4
South Shore: Channel CES	440.4	440.6	438.3	440.2	439.4	440.3	440.1	440.0	440.1	440.7
Tailwater										
North Shore: SG6N	439.0	438.6	437.6	438.6	438.4	438.4	439.0	439.0	438.8	439.1
South Powerhouse: SG9N	438.8	439.2	437.3	438.7	438.3	438.5	439.0	439.1	438.8	439.4
South Shore: Tailwater TWS	438.8	439.3	436.6	438.9	438.0	439.0	438.8	438.6	438.7	439.3
Entrance Weirs										
NSE-1	430.8	430.2	429.5	430.4	429.9	430.4	430.8	430.7	430.8	431.1
NSE-2	430.6	430.6	429.1	430.6	430.3	430.2	430.6	430.7	430.6	430.8
SPE-1	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0
SPE-2	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0
SSE-1	431.0	431.2	431.0	431.0	431.0	431.0	431.0	431.0	431.0	431.3
SSE-2 (feet above sill)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
DIFFERENTIALS/DEPTHS:										
North Fish Ladder										
Ladder Exit	0.1	0.0	0.1	0.0	0.2	0.1	0.1	0.1	0.1	0.1
Ladder Weirs	1.1	1.1	1.0	1.1	1.1	1.0	1.0	1.0	1.1	1.1
Counting Station	0.3	0.3	0.2	0.2	0.3	0.2	0.3	0.2	0.2	0.2
South Fish Ladder										
Ladder Exit	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1
Ladder Weirs	1.1	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Counting Station	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1
Collection Channels										
North Shore	1.2	1.6	1.0	1.2	1.1	1.3	1.2	1.3	1.3	1.3
South Powerhouse	1.3	1.2	1.4	1.1	1.1	1.1	1.0	1.0	1.1	1.0
South Shore	1.6	1.3	1.7	1.3	1.4	1.3	1.3	1.4	1.4	1.4
Weir Depths										
NSE-1	8.2	8.4	8.1	8.2	8.5	8.0	8.2	8.3	8.0	8.0
NSE-2	8.4	8.0	8.5	8.0	8.1	8.2	8.4	8.3	8.2	8.3
SPE-1	6.8	7.2	5.3	6.7	6.3	6.5	7.0	7.1	6.8	7.4
SPE-2	6.8	7.2	5.3	6.7	6.3	6.5	7.0	7.1	6.8	7.4
SSE-1	7.8	8.1	5.6	7.9	7.0	8.0	7.8	7.6	7.7	8.0
SSE-2 (feet above sill)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0

CRITERIA POINTS:										
Channel Velocities	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Differentials										
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
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
Collection Channels										
North Shore	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
South Powerhouse	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
South Shore	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Weir Depths										
NSE-1	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
NSE-2	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
SPE-1	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL
SPE-2	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL
SSE-1	SILL	YES	SILL	SILL	SILL	YES	SILL	SILL	SILL	YES
SSE-2 (feet above sill)	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

CRITERIA POINTS: YES										
Channel Velocities	1	1	1	1	1	1	1	1	1	1
Differentials										
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
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
Collection Channels										
North Shore	1	1	1	1	1	1	1	1	1	1
South Powerhouse	1	1	1	1	1	1	1	1	1	1
South Shore	1	1	1	1	1	1	1	1	1	1
Weir Depths										
NSE-1	1	1	1	1	1	1	1	1	1	1
NSE-2	1	1	1	1	1	1	1	1	1	1
SPE-1	0	0	0	0	0	0	0	0	0	0
SPE-2	0	0	0	0	0	0	0	0	0	0
SSE-1	0	1	0	0	0	1	0	0	0	1
SSE-2 (feet above sill)	1	1	1	1	1	1	1	1	1	1

CRITERIA POINTS: NO										
Channel Velocities	0	0	0	0	0	0	0	0	0	0
Differentials										
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

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
Collection Channels										
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0
Weir Depths										
NSE-1	0	0	0	0	0	0	0	0	0	0
NSE-2	0	0	0	0	0	0	0	0	0	0
SPE-1	0	0	0	0	0	0	0	0	0	0
SPE-2	0	0	0	0	0	0	0	0	0	0
SSE-1	0	0	0	0	0	0	0	0	0	0
SSE-2 (feet above sill)	0	0	0	0	0	0	0	0	0	0

CRITERIA POINTS: SILL
Weir Depths

NSE-1	0	0	0	0	0	0	0	0	0	0
NSE-2	0	0	0	0	0	0	0	0	0	0
SPE-1	1	1	1	1	1	1	1	1	1	1
SPE-2	1	1	1	1	1	1	1	1	1	1
SSE-1	1	0	1	1	1	0	1	1	1	0
SSE-2 (feet above sill)										

North Ladder Differentials (more than 0.2 too low)

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

North Ladder Differentials (0.11 - 0.2 too low)

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

North Ladder Differentials (0.01 - 0.1 too low)

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

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

South Ladder Differentials (more than 0.2 too low)

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

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

Entrance Weir Depths (more than 0.2 too low)										
NSE-1 (<7.80)	0	0	0	0	0	0	0	0	0	0
NSE-2 (<7.80)	0	0	0	0	0	0	0	0	0	0
SPE-1 (<7.80)	0	0	0	0	0	0	0	0	0	0
SPE-2 (<7.80)	0	0	0	0	0	0	0	0	0	0
SSE-1 (<7.80)	0	0	0	0	0	0	0	0	0	0
SSE-2 (set 6 ft above sill)										
Entrance Weir Depths (0.11 - 0.2 too low)										
NSE-1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
NSE-2 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
SPE-1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
SPE-2 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
SSE-1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
SSE-2 (set 6 ft above sill)										
Entrance Weir Depths (0.01 - 0.1 too low)										
NSE-1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
NSE-2 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
SPE-1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
SPE-2 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
SSE-1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
SSE-2 (set 6 ft above sill)										

APPENDIX 1 (CONTINUED). LOWER MONUMENTAL ADULT FISHWAY INSPECTIONS						2023				
DATES:	29-Nov	4-Dec	5-Dec	6-Dec	11-Dec	12-Dec	13-Dec	18-Dec	19-Dec	20-Dec
CHAN'L VELOCITIES (N):	2.4	1.5	2.5	2.6	2.5	2.7	2.5	2.3	2.5	2.7
Turbidity	7.2	6.9	5.9	6.1	5.9	5.7	6.0	7.2	5.9	6.0
ELEVATIONS:										
North Fish Ladder										
Forebay: SG7N	537.8	538.6	538.8	538.2	538.6	538.8	538.4	539.0	538.8	539.1
Exit Pool: SG1N	537.7	538.4	538.6	538.0	538.4	538.6	538.3	538.7	538.6	539.0
Makeup Diffuser: SG2N	534.2	534.1	534.1	534.1	534.1	534.1	534.2	534.1	534.1	534.1
U S Picketed Leads: SG3N	468.1	468.1	468.1	468.1	468.1	468.1	468.1	468.2	468.1	468.2
D S Picketed Leads: SG4N	467.9	467.9	467.9	467.9	467.9	467.9	467.9	468.0	467.9	468.0
South Fish Ladder										
Forebay: SG1S	537.8	538.6	538.8	538.2	538.6	538.8	538.4	539.2	538.8	539.1
Exit Pool: SG4S	537.8	538.4	538.8	538.1	538.4	538.6	538.3	539.0	538.6	539.1
Makeup Diffuser: SG2S	534.2	534.1	534.1	534.1	534.1	534.1	534.1	534.0	534.1	534.1
U S Picketed Leads: SG3S	534.2	534.2	534.2	534.2	534.2	534.2	534.2	534.2	534.2	534.2
D S Picketed Leads: SG2S	534.0	534.1	534.1	534.1	534.1	534.1	534.1	534.0	534.1	534.1
Collection Channels										
North Shore: SG10N	440.7	439.6	440.9	440.1	440.4	440.0	440.6	440.2	440.3	440.2
South Powerhouse: SG12N	440.3	439.6	440.4	440.1	440.2	439.8	440.5	439.8	440.1	440.4
South Shore: Channel CES	440.5	439.9	440.3	439.9	440.3	440.3	440.0	439.7	439.6	440.1
Tailwater										
North Shore: SG6N	439.3	438.3	439.6	438.8	438.7	438.5	439.4	438.6	438.8	439.0
South Powerhouse: SG9N	439.2	438.4	439.4	439.0	439.2	438.6	439.4	438.6	438.8	439.2
South Shore: Tailwater TWS	439.1	438.4	439.0	438.4	438.9	438.9	438.6	438.2	438.2	438.6
Entrance Weirs										
NSE-1	431.3	430.3	431.4	430.7	430.7	430.5	431.4	430.4	430.7	430.4
NSE-2	431.0	430.1	431.1	430.5	430.4	430.3	431.2	430.2	430.5	430.7
SPE-1	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0
SPE-2	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0
SSE-1	431.1	431.0	431.0	431.0	431.0	431.0	431.0	431.0	431.0	431.0
SSE-2 (feet above sill)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
DIFFERENTIALS/DEPTHS:										
North Fish Ladder										
Ladder Exit	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.3	0.2	0.1
Ladder Weirs	1.2	1.1	1.1	1.1	1.1	1.1	1.2	1.1	1.1	1.1
Counting Station	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
South Fish Ladder										
Ladder Exit	0.0	0.2	0.0	0.1	0.2	0.2	0.1	0.2	0.2	0.0
Ladder Weirs	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.1	1.1
Counting Station	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1
Collection Channels										
North Shore	1.4	1.3	1.3	1.3	1.7	1.5	1.2	1.6	1.5	1.2
South Powerhouse	1.1	1.2	1.0	1.1	1.0	1.2	1.1	1.2	1.3	1.2
South Shore	1.4	1.5	1.3	1.5	1.4	1.4	1.4	1.5	1.4	1.5
Weir Depths										
NSE-1	8.0	8.0	8.2	8.1	8.0	8.0	8.0	8.2	8.1	8.6
NSE-2	8.3	8.2	8.5	8.3	8.3	8.2	8.2	8.4	8.3	8.3
SPE-1	7.2	6.4	7.4	7.0	7.2	6.6	7.4	6.6	6.8	7.2
SPE-2	7.2	6.4	7.4	7.0	7.2	6.6	7.4	6.6	6.8	7.2
SSE-1	8.0	7.4	8.0	7.4	7.9	7.9	7.6	7.2	7.2	7.6
SSE-2 (feet above sill)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0

CRITERIA POINTS:										
Channel Velocities	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Differentials										
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
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
Collection Channels										
North Shore	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
South Powerhouse	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
South Shore	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Weir Depths										
NSE-1	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
NSE-2	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
SPE-1	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL
SPE-2	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL
SSE-1	YES	SILL	YES	SILL	SILL	SILL	SILL	SILL	SILL	SILL
SSE-2 (feet above sill)	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

CRITERIA POINTS: YES										
Channel Velocities	1	1	1	1	1	1	1	1	1	1
Differentials										
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
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
Collection Channels										
North Shore	1	1	1	1	1	1	1	1	1	1
South Powerhouse	1	1	1	1	1	1	1	1	1	1
South Shore	1	1	1	1	1	1	1	1	1	1
Weir Depths										
NSE-1	1	1	1	1	1	1	1	1	1	1
NSE-2	1	1	1	1	1	1	1	1	1	1
SPE-1	0	0	0	0	0	0	0	0	0	0
SPE-2	0	0	0	0	0	0	0	0	0	0
SSE-1	1	0	1	0	0	0	0	0	0	0
SSE-2 (feet above sill)	1	1	1	1	1	1	1	1	1	1

CRITERIA POINTS: NO										
Channel Velocities	0	0	0	0	0	0	0	0	0	0
Differentials										
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

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
Collection Channels										
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0
Weir Depths										
NSE-1	0	0	0	0	0	0	0	0	0	0
NSE-2	0	0	0	0	0	0	0	0	0	0
SPE-1	0	0	0	0	0	0	0	0	0	0
SPE-2	0	0	0	0	0	0	0	0	0	0
SSE-1	0	0	0	0	0	0	0	0	0	0
SSE-2 (feet above sill)	0	0	0	0	0	0	0	0	0	0

CRITERIA POINTS:
SILL
Weir Depths

NSE-1	0	0	0	0	0	0	0	0	0	0
NSE-2	0	0	0	0	0	0	0	0	0	0
SPE-1	1	1	1	1	1	1	1	1	1	1
SPE-2	1	1	1	1	1	1	1	1	1	1
SSE-1	0	1	0	1	1	1	1	1	1	1
SSE-2 (feet above sill)										

North Ladder Differentials (more than 0.2 too low)

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

North Ladder Differentials (0.11 - 0.2 too low)

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

North Ladder Differentials (0.01 - 0.1 too low)

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

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

South Ladder Differentials (more than 0.2 too low)

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

South Ladder Differentials (0.11 - 0.2 too low)

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

South Ladder Differentials (0.01 - 0.1 too low)

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

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

Channel/Tailwater Differentials (<0.80)

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

Channel/Tailwater Differentials (0.80 - 0.89)

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

Channel/Tailwater Differentials (0.90 - 0.99):

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

Channel/Tailwater Differentials (2.01 - 2.10)

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

Channel/Tailwater Differentials (2.11 - 2.20)

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

Channel/Tailwater Differentials (>2.20)

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

Entrance Weir Depths (more than 0.2 too low)											
NSE-1 (<7.80)	0	0	0	0	0	0	0	0	0	0
NSE-2 (<7.80)	0	0	0	0	0	0	0	0	0	0
SPE-1 (<7.80)	0	0	0	0	0	0	0	0	0	0
SPE-2 (<7.80)	0	0	0	0	0	0	0	0	0	0
SSE-1 (<7.80)	0	0	0	0	0	0	0	0	0	0
SSE-2 (set 6 ft above sill)										
Entrance Weir Depths (0.11 - 0.2 too low)										
NSE-1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
NSE-2 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
SPE-1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
SPE-2 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
SSE-1 (7.80 - 7.89)	0	0	0	0	0	0	0	0	0	0
SSE-2 (set 6 ft above sill)										
Entrance Weir Depths (0.01 - 0.1 too low)										
NSE-1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
NSE-2 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
SPE-1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
SPE-2 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
SSE-1 (7.90 - 7.99)	0	0	0	0	0	0	0	0	0	0
SSE-2 (set 6 ft above sill)										

DATES:	26-Dec	27-Dec	28-Dec	Max	Min
CHAN'L VELOCITIES (N):	2.6	1.0	1.8		
Turbidity	5.7	5.7	5.8		
ELEVATIONS:					
North Fish Ladder				**Max**	Min
Forebay: SG7N	539.0	539.0	538.8	539.6	536.9
Exit Pool: SG1N	538.7	538.8	538.6	539.4	536.8
Makeup Diffuser: SG2N	534.1	534.1	534.2	534.3	534.0
U S Picketed Leads: SG3N	468.2	468.2	468.2	468.2	467.9
D S Picketed Leads: SG4N	468.0	468.0	468.0	468.1	467.9
South Fish Ladder					
Forebay: SG1S	539.0	539.0	538.8	539.6	536.8
Exit Pool: SG4S	538.8	539.0	538.6	539.6	536.8
Makeup Diffuser: SG2S	534.1	534.1	534.1	534.2	533.8
U S Picketed Leads: SG3S	534.2	534.2	534.1	534.3	533.8
D S Picketed Leads: SG2S	534.1	534.1	534.1	534.2	533.8
Collection Channels					
North Shore: SG10N	439.8	440.3	440.2	446.1	438.5
South Powerhouse: SG12N	439.7	439.8	440.2	445.8	438.4
South Shore: Channel CES	439.9	439.7	440.6	446.6	438.1
Tailwater					
North Shore: SG6N	438.6	439.0	439.0	445.1	437.1
South Powerhouse: SG9N	438.6	438.6	439.2	444.8	437.1
South Shore: Tailwater TWS	438.5	438.3	439.3	443.1	436.5
Entrance Weirs					
NSE-1	430.6	430.7	430.9	436.9	429.0
NSE-2	430.3	430.5	430.6	437.0	429.0
SPE-1	432.0	432.0	432.0	436.0	432.0
SPE-2	432.0	432.0	432.0	436.0	432.0
SSE-1	431.0	431.0	431.3	435.1	431.0
SSE-2 (feet above sill)	6.0	6.0	6.0	9.0	3.5
DIFFERENTIALS/DEPTHS:					
North Fish Ladder					
Ladder Exit	0.3	0.2	0.2	0.4	-0.2
Ladder Weirs	1.1	1.1	1.2	1.3	1.0
Counting Station	0.2	0.2	0.2	0.3	0.0
South Fish Ladder					
Ladder Exit	0.2	0.0	0.2	0.4	0.0
Ladder Weirs	1.1	1.1	1.1	1.2	0.8
Counting Station	0.1	0.1	0.0	0.2	0.0
Collection Channels					
North Shore	1.2	1.3	1.2	2.0	1.0
South Powerhouse	1.1	1.2	1.0	2.0	0.8
South Shore	1.4	1.4	1.3	3.5	1.0
Weir Depths					
NSE-1	8.0	8.3	8.1	9.2	7.8
NSE-2	8.3	8.5	8.4	9.1	7.5
SPE-1	6.6	6.6	7.2	8.8	5.1
SPE-2	6.6	6.6	7.2	8.9	5.1
SSE-1	7.5	7.3	8.0	8.9	5.5
SSE-2 (feet above sill)	6.0	6.0	6.0	9.0	3.5

CRITERIA POINTS:	YES	NO	YES
Channel Velocities	YES	NO	YES
Differentials			
North Fish Ladder			
Ladder Exit	YES	YES	YES
Ladder Weirs	YES	YES	YES
Counting Station	YES	YES	YES
South Fish Ladder			
Ladder Exit	YES	YES	YES
Ladder Weirs	YES	YES	YES
Counting Station	YES	YES	YES
Collection Channels			
North Shore	YES	YES	YES
South Powerhouse	YES	YES	YES
South Shore	YES	YES	YES
Weir Depths			
NSE-1	YES	YES	YES
NSE-2	YES	YES	YES
SPE-1	SILL	SILL	SILL
SPE-2	SILL	SILL	SILL
SSE-1	SILL	SILL	YES
SSE-2 (feet above sill)	YES	YES	YES

CRITERIA POINTS: YES			
Channel Velocities	1	0	1
Differentials			
North Fish Ladder			
Ladder Exit	1	1	1
Ladder Weirs	1	1	1
Counting Station	1	1	1
South Fish Ladder			
Ladder Exit	1	1	1
Ladder Weirs	1	1	1
Counting Station	1	1	1
Collection Channels			
North Shore	1	1	1
South Powerhouse	1	1	1
South Shore	1	1	1
Weir Depths			
NSE-1	1	1	1
NSE-2	1	1	1
SPE-1	0	0	0
SPE-2	0	0	0
SSE-1	0	0	1
SSE-2 (feet above sill)	1	1	1

CRITERIA POINTS: NO			
Channel Velocities	0	1	0
Differentials			
North Fish Ladder			
Ladder Exit	0	0	0
Ladder Weirs	0	0	0
Counting Station	0	0	0

South Fish Ladder			
Ladder Exit	0	0	0
Ladder Weirs	0	0	0
Counting Station	0	0	0
Collection Channels			
North Shore	0	0	0
South Powerhouse	0	0	0
South Shore	0	0	0
Weir Depths			
NSE-1	0	0	0
NSE-2	0	0	0
SPE-1	0	0	0
SPE-2	0	0	0
SSE-1	0	0	0
SSE-2 (feet above sill)	0	0	0

CRITERIA POINTS:
SILL

Weir Depths			
NSE-1	0	0	0
NSE-2	0	0	0
SPE-1	1	1	1
SPE-2	1	1	1
SSE-1	1	1	0
SSE-2 (feet above sill)			

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

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

Entrance Weir Depths (more than 0.2 too low)

NSE-1 (<7.80)	0	0	0
NSE-2 (<7.80)	0	0	0
SPE-1 (<7.80)	0	0	0
SPE-2 (<7.80)	0	0	0
SSE-1 (<7.80)	0	0	0
SSE-2 (set 6 ft above sill)			

Entrance Weir Depths (0.11 - 0.2 too low)

NSE-1 (7.80 - 7.89)	0	0	0
NSE-2 (7.80 - 7.89)	0	0	0
SPE-1 (7.80 - 7.89)	0	0	0
SPE-2 (7.80 - 7.89)	0	0	0
SSE-1 (7.80 - 7.89)	0	0	0
SSE-2 (set 6 ft above sill)			

Entrance Weir Depths (0.01 - 0.1 too low)

NSE-1 (7.90 - 7.99)	0	0	0
NSE-2 (7.90 - 7.99)	0	0	0
SPE-1 (7.90 - 7.99)	0	0	0
SPE-2 (7.90 - 7.99)	0	0	0
SSE-1 (7.90 - 7.99)	0	0	0
SSE-2 (set 6 ft above sill)			

CRITERIA POINTS: YES	No. of YES	Total No. of Inspections	% YES
Channel Velocities	163	164	99.4
Differentials			
North Fish Ladder			
Ladder Exit	164	164	100.0
Ladder Weirs	164	164	100.0
Counting Station	164	164	100.0
South Fish Ladder			
Ladder Exit	164	164	100.0
Ladder Weirs	163	164	99.4
Counting Station	164	164	100.0
Collection Channels			
North Shore	164	164	100.0
South Powerhouse	163	164	99.4
South Shore	163	164	99.4
Weir Depths			
NSE-1	158	164	96.3
NSE-2	153	164	93.3
SPE-1	27	164	16.5
SPE-2	27	164	16.5
SSE-1	58	164	35.4
SSE-2 (feet above sill)	161	164	98.2

CRITERIA POINTS: NO	No. of NO		% NO
Channel Velocities	1		0.6
Differentials			

Differentials

North Fish Ladder		
Ladder Exit	0	0.0
Ladder Weirs	0	0.0
Counting Station	0	0.0
South Fish Ladder		
Ladder Exit	0	0.0
Ladder Weirs	1	0.6
Counting Station	0	0.0
Collection Channels		
North Shore	0	0.0
South Powerhouse	1	0.6
South Shore	1	0.6
Weir Depths		
NSE-1	1	0.6
NSE-2	3	1.8
SPE-1	0	0.0
SPE-2	0	0.0
SSE-1	5	3.0
SSE-2 (feet above sill)	3	1.8

CRITERIA POINTS: SILL	No. of SILL	% SILL
Weir Depths		
NSE-1	5	3.0
NSE-2	8	4.9
SPE-1	137	83.5
SPE-2	137	83.5
SSE-1	101	61.6
SSE-2 (feet above sill)	Not Applic.	Not Applic.

Numbers in green below should add to numbers in green above.

Numbers in yellow below should add to numbers in yellow above.

Numbers in blue below should add to numbers in blue above.

North Ladder Differentials (more than 0.2 too low)

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

North Ladder Differentials (0.11 - 0.2 too low)

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

North Ladder Differentials (0.01 - 0.1 too low)

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

North Ladder Differentials (0.01 - 0.1 too high)

Ladder Exit	0
Ladder Weirs	0
Counting Station	0

North Ladder Differentials (0.11 - 0.2 too high)

Ladder Exit	0
Ladder Weirs	0
Counting Station	0

North Ladder Differentials (more than 0.2 too high)

Ladder Exit	0
Ladder Weirs	0
Counting Station	0

South Ladder Differentials (more than 0.2 too low)

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

South Ladder Differentials (0.11 - 0.2 too low)

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

South Ladder Differentials (0.01 - 0.1 too low)

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

South Ladder Differentials (0.01 - 0.1 too high)

Ladder Exit	0
Ladder Weirs	0
Counting Station	0

South Ladder Differentials (0.11 - 0.2 too high)

Ladder Exit	0
Ladder Weirs	0
Counting Station	0

South Ladder Differentials (more than 0.2 too high)

Ladder Exit	0
Ladder Weirs	0
Counting Station	0

Channel/Tailwater Differentials (<0.80)

North Shore	0
South Powerhouse	0
South Shore	0

Channel/Tailwater Differentials (0.80 - 0.89)

North Shore	0
South Powerhouse	1
South Shore	0

Channel/Tailwater Differentials (0.90 - 0.99):

North Shore	0
South Powerhouse	0
South Shore	0

Channel/Tailwater Differentials (2.01 - 2.10)

North Shore	0
South Powerhouse	0
South Shore	0

North Ladder Differentials (0.11 - 0.2 too high)

Ladder Exit	0
Ladder Weirs	0
Counting Station	0

North Ladder Differentials (more than 0.2 too high)

Ladder Exit	0
Ladder Weirs	0
Counting Station	0

South Ladder Differentials (more than 0.2 too low)

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

South Ladder Differentials (0.11 - 0.2 too low)

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

South Ladder Differentials (0.01 - 0.1 too low)

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

South Ladder Differentials (0.01 - 0.1 too high)

Ladder Exit	0
Ladder Weirs	0
Counting Station	0

South Ladder Differentials (0.11 - 0.2 too high)

Ladder Exit	0
Ladder Weirs	0
Counting Station	0

South Ladder Differentials (more than 0.2 too high)

Ladder Exit	0
Ladder Weirs	0
Counting Station	0

Channel/Tailwater Differentials (<0.80)

North Shore	0
South Powerhouse	0
South Shore	0

Channel/Tailwater Differentials (0.80 - 0.89)

North Shore	0
South Powerhouse	0
South Shore	0

Channel/Tailwater Differentials (0.90 - 0.99):

North Shore	0
South Powerhouse	0
South Shore	0

Channel/Tailwater Differentials (2.01 - 2.10)

North Shore	0
South Powerhouse	0
South Shore	0