Appendix 1

APPENDIX 1. LOWER MONUMENTAL	ADIII.T	FISHWA	V INSPE	CTIONS		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
Turbianty	7.0	0.7	0.0	0.0	0.7	7.0	0.5	0.9	0.0	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	0.5	0.5	0.5	0.5	0.5	0.	0.1	0.1	0.1	0.0
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							
SPE-2	SILL	YES	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		0, 1, or NA)		T ES	1 25	120	110	125	TES	TES
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
CDITEDIA DOINTE, NO	(Ott	0 1 NA)								
CRITERIA POINTS: NO Channel Velocities	(Output = ()	0, 1, or NA)	0	0	0	0	0	0	0	0
Differentials	U	U	U	U	U	U	U	U	U	U
North Fish Ladder Ladder Exit	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
Ladder Weirs Counting Station	0	0	0		0			0	0	0
Counting Station	U	0	0	0	0	0	0	0	0	U
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
Counting Station Collection Channels	0	0	0	U	U	0	0	0	0	U
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	U	9	- 0		0		0	0	- 0	- 0
NSE-1	0	0	0	0	0	0	0	0	0	0
NSE-1 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-1 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 SITUATI ABOVE.	IONS BY INCRE	EMENTS - T	THESE SHOU	ILD MATCH	THE "NOs"					
North Ladder Differentials (mo	ore than 0.2 too lo	ow)								
Ladder Exit	Not applicable.	···/								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicable.									
North Ladder Differentials (0.1	• •									
Ladder Exit	Not applicable.									
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicable.		, and the second				<u> </u>			J
North Ladder Differentials (0.0										
Ladder Exit	Not applicable.									
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicable.	V		· ·		· ·	V		· ·	, and the second
North Ladder Differentials (0.0	• •									
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Ladder Differentials (0.1		· ·	· ·	·		· ·				
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Ladder Differentials (mo	<u> </u>		· ·	·		· ·				
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
South Ladder Differentials (mo			, and the second				<u> </u>			J
Ladder Exit	Not applicable.	<i>~</i> ··· <i>)</i>								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicable.									
South Ladder Differentials (0.1	• •									
Ladder Exit	Not applicable.									
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicable.									
South Ladder Differentials (0.0										
Ladder Exit	Not applicable.									
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicable.									
South Ladder Differentials (0.0										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
South Ladder Differentials (0.1	1 - 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
CI VI 1 (D'00 (L (2.11 2.20)										
Channel/Tailwater Differentials (2.11 - 2.20)	0	0	_	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse	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 Flowerhouse South Shore	0	0	0	0	0	0	0	0	0	0
South Shore	U	0	J	U		J	U	U	U	- 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
	Not									
SSE-2 (set 6 ft above sill)	App	lıc.								

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
	Not									
SSE-2 (set 6 ft above sill)	Арр	olic.								
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
	Not									
SSE-2 (set 6 ft above sill)	App	olic.								

APPENDIX 1 (CONTINUED). LOWE	R MONUI	MENTAL	ADULT F	ISHWAY	INSPECT	IONS	2023				
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	0.1	0.1	0.4	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.1
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	0.1	0.1	0.1	0.2	0.0	0.0	0.1	0.1	0.1	0.1	0.2
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 0.0	1.1	1.1	1.0	1.1	1.0	0.8	1.2 0.0
Counting Station Collection Channels	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
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	1.4	1.1	1.2	1.2 1.1	1.1	1.4 1.2	1.0	1.2 1.8	1.3	1.4
South Shore Weir Depths	1.1	1.3	1.3	1.3	1.1	1.3	1.4	1.0	1.0	1.5	1.5
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-1 NSE-2	8.1	8.0 8.1	8.1	8.1	8.1	8.0 8.1	8.2 8.1	8.4 8.5	8.1	8.1	8.1
SPE-1	8.0 6.9	7.2	7.3	7.8	8.1	8.1	7.2	8.5 7.0	8.0 7.0	8.1 6.6	6.3
SPE-1 SPE-2	6.9	7.2	7.3	7.8 7.8	8.1	8.0	7.2	7.0 7.0	7.0 7.0	6.6	6.3
SPE-2 SSE-1	6.9 7.9	7.2 7.9	8.0	7.8 8.0	8.1	8.0 8.1	8.0	7.0 8.0	7.0 8.0	6.6 7.6	
SSE-1 (feet above sill)	6.0	6.0	6.0	6.0	6.0	6.0	6.0		6.0		7.3
55E-2 (lect above sill)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	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
CDITEDLA DODUTE AVEC	(0)	0.4									(Output = 0, 1, or
CRITERIA POINTS: YES	(Output =	= 0, 1, or NA)				1	1		1		NA)
Channel Velocities	1	1	1	1	1	1	1	1	1	1	I
Differentials											
North Fish Ladder Ladder Exit			1			1			1		
	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 South Fish Ladder	1	1	1	1	1	1	1	1	1	1	1
Ladder Exit	1		1	1		1			1	1	1
Ladder Exit 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	1	1	1	1	1	1	1	1	1	1	1
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	1		1	, ,		1	1		1	1	1
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
SSL 2 (leet above siil)	1	1	1	1	1	1	1	1	1	1	1
											(Output = 0, 1, or
CRITERIA POINTS: NO	(Output =	= 0, 1, or NA)									NA)
Channel Velocities	0	0	0	0	0	0	0	0	0	0	0
W-100 1 -											

Differentials
North Fish Ladder

Ladder Exit

Ladder Weirs

Counting Station

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
		V	V	- U	- U	· ·	V	V	V		J
CRITERIA POINTS: SILL	(Output =	0, 1, or NA)									(Output = 0, 1, or NA)
Weir Depths	(3)	., , ,									
NSE-1	0	0	0	0	0	0	0	0	0	0	0
TUBE 1		-	-	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 applical	ble.									Not applicable.
Ladder Weirs	0	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applical	ble.									Not applicable.
North Ladder Differentials (0.11 - 0.2 too l	low)									
Ladder Exit	Not applical	ble.									Not applicable.
Ladder Weirs	0	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applical	ble.									Not applicable.
North Ladder Differentials (0.01 - 0.1 too l	low)									
Ladder Exit	Not applical	ble.									Not applicable.
Ladder Weirs	0	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applical	ble.									Not applicable.
North Ladder Differentials (0.01 - 0.1 too l	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 <mark>.11 - 0.2 too</mark> l	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 (1	more than 0.2	too low)									
Ladder Exit	Not applical	ble.									Not applicable.
Ladder Weirs	0	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applical	ble.									Not applicable.

South Ladder Differentials (0.11 - 0.2 too low)											
Tuddu. E.: 4	Not	-1-1 -									Not
Ladder Exit	applic 0		0	0	0	0	0	0	0	1	applicable.
Ladder Weirs	Not	0	0	0	0	0	0	0	0		Not
Counting Station	applic	able.									applicable.
South Ladder Differentials (0.01 - 0.1 too low)											• •
	Not										Not
Ladder Exit	applic										applicable.
Ladder Weirs	0	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applic	ahle									Not applicable.
South Ladder Differentials (0.01 - 0.1 too high		aore.									аррисаоте.
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			<u> </u>		<u> </u>	<u> </u>	_				
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/Tailmatan Diff. (2.14. 2.20)											
Channel/Tailwater Differentials (2.11 - 2.20) North Shore	0	0	0	0	0	0	0	0	0	0	0
North Shore South Powerhouse	0	0	0	0	0	0	0	0	0	0	0
South Powerhouse South Shore	0	0	0	0	0	0			0		
South Shore	U	U	U	U	U	U	0	0	U	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 Fowerhouse South Shore	0	0	0	0	0	0	0	0	0	0	0
South Shore	U	J	U	0	U	J	U	J	U	U	- 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 App	lic.									
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 App	lic.									
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 App	lic.									

APPENDIX 1 (CONTINUED). LOWER M	ONUME	NTAL A	DULT F	ISHWAY	INSPECT	TONS	2023			
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	0.2	0.1	0.2		0.0	0.2	0.0	0.0	0.0	0.1
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	1.7	1.2	1.5	1.2	1.0	1.0	1.4	1.2	1.4	1.0
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	0.0	0.1	0.1	0.1	0.2	0.5	0.1	0.2	0.1	0.0
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	YES	YES	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	SILL							
SSE-2 (feet above sill)	YES	YES	YES							
										(Output = 0, 1, or
CDITEDIA DOINTO, VEC										
CRITERIA POINTS: YES	1	1	1	1	1	1	1	1		NA)
Channel Velocities	1	1	1	1	1	1	1	1	1	
Channel Velocities Differentials	1	1	1	1	1	1	1	1	1	
Channel Velocities Differentials North Fish Ladder	1	1	1	1		1	1	1	1	
Channel Velocities Differentials North Fish Ladder Ladder Exit	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs	1 1 1 1	1 1 1	1 1 1	1 1 1		1 1 1	1 1 1	1 1 1	1 1 1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1		1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1		1 1 1 1 1	1 1 1 1 1	1 1 1 1 1	1 1 1 1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit	1 1 1 1	1 1 1 1 1	1 1 1 1 1	1 1 1 1 1		1 1 1 1 1	1 1 1 1 1	1 1 1 1 1	1 1 1 1 1 1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Weirs	1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1		1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1 1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit	1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1		1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Weirs Counting Station	1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1		1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Exit Ladder Weirs Counting Station Collection Channels	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore South Powerhouse	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore South Powerhouse South Shore	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore South Powerhouse South Shore Weir Depths	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore South Powerhouse South Shore Weir Depths NSE-1	1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore South Powerhouse South Shore Weir Depths NSE-1 NSE-2	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 0	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 0 0	1 1 1 1 1 1 1 1 1 1 1 0	NA) 1 1 1 1 1 1 1 1 1 1 1 1 1
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore South Powerhouse South Shore Weir Depths NSE-1 NSE-2 SPE-1	1 1 1 1 1 1 1 1 1 1 1		1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1			NA) 1 1 1 1 1 1 1 1 1 1 1 1 0
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore South Powerhouse South Powerhouse South Shore Weir Depths NSE-1 NSE-2 SPE-1 SPE-2	1 1 1 1 1 1 1 1 1 1 0 0	0	1 1 1 1 1 1 1 1 1 1 0 0	1 1 1 1 1 1 1 1 1 1 0 0	1 1 1 1 1 1 1 1 1 1 0 0	1 1 1 1 1 1 1 1 1 1 0 0	1 1 1 1 1 1 1 1 1 1 0 0	0	0	NA) 1 1 1 1 1 1 1 1 1 1 1 0 0

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	1	1	1	1	1	1	1	1	1	1
SSE-2 (feet above sill)										

North Ladder Differentials	s (more than 0 '	2 too low)								
Ladder Exit	s (more than 0.	2 too 10 w)								Not applicable.
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station										Not applicable.
North Ladder Differentials	s (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	s (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	s (0 <u>.01 - 0.1 too</u>	high)								
Ladder Exit	0	0	0	0	0	0	0	0	0	0
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	s (0 <mark>.11 - 0.2 too</mark>	high)								
Ladder Exit	0	0	0	0	0	0	0	0	0	0
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	s (more than 0.2	2 too high)								
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
South Ladder Differentials	s (more than 0.2	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)									Not
Ladder Exit										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	r)									Not
Ladder Exit										applicable.
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
										Not
Counting Station										applicable.
South Ladder Differentials (0.01 - 0.1 too hig		0	0	0	0	0	0	0	0	0
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	<u>0</u>	0	0	0	0	0	0	0	0	0
South Ladder Differentials (0.11 - 0.2 too hig Ladder Exit	n) 0	0	0	0	0	0	0	0	0	0
Ladder Exit Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
South Ladder Differentials (more than 0.2 to			U	U	U	U	U	U	U	U
Ladder Exit	0 mgn	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (<0.80)		<u> </u>								
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/Taileantan Diff. Ch. (2.11. 2.20)										
Channel/Tailwater Differentials (2.11 - 2.20) North Shore		0	0	0	0	0	0	0	0	
North Shore South Powerhouse	0	0	0	0	0	0	0	0	0	0
South Powerhouse South Shore	0		0	0	0	0	0	0	0	0
South Shore	U	U	- 0	U	U	U	U	U	U	U
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
South Shore	U	U	-					- 0	U	

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 App									
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
	Not									
SSE-2 (set 6 ft above sill)	App	lic.								
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 App									

APPENDIX 1 (CONTINUED). LOWER	MONUM	ENTAL A	DULT FI	SHWAY I	NSPECTI	ONS	2023			
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	0.2	0.4	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.0
Ladder Exit Ladder Weirs	0.2	0.4 1.0	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.0
	1.1		1.1	1.2 0.3	1.1	1.1 0.1	1.2	1.2	1.2	1.1
Counting Station South Fish Ladder	0.2	0.3	0.2	0.3	0.2	0.1	0.3	0.2	0.2	0.1
	0.2	0.4	0.2	0.1	0.3	0.1	0.1	0.0	0.2	0.2
Ladder Exit 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	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
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 Towerhouse South Shore	1.5	1.8	1.4	1.3	1.2	1.4	1.5	1.4	1.0	1.4
Weir Depths	1.5	1.0	1.7	1.0	1.2	1.7	1.0	1.7	1.0	1.7
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
										(Output = 0, 1, or
CONTROL DONNER AND										
CRITERIA POINTS: YES			1	1	1	1				NA)
Channel Velocities	1	1	1	1	1	1	1	1	1	
Channel Velocities Differentials	1	1	1	1	1	1	1	1	1	
Channel Velocities Differentials North Fish Ladder	1	1	1	1		1	1	1	1	
Channel Velocities Differentials North Fish Ladder Ladder Exit	1	1	1	1	1	1	1	1	1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs	1 1 1	1 1 1	1 1 1	1 1 1		1 1 1	1 1 1	1 1 1	1 1 1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1		1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder	1 1 1 1 1	1 1 1 1 1	1 1 1 1 1	1 1 1 1		1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit	1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1		1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Weirs	1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1		1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Weirs Counting Station	1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1		1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Weirs Counting Station Collection Channels	1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore	1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1		1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore South Powerhouse	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore South Powerhouse South Shore	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore South Powerhouse South Shore Weir Depths	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore South Powerhouse South Shore	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore South Powerhouse South Shore Weir Depths NSE-1 NSE-2	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1		
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore South Powerhouse South Shore Weir Depths NSE-1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 0	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1		
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore South Powerhouse South Powerhouse South Shore Weir Depths NSE-1 NSE-2 SPE-1	1 1 1 1 1 1 1 1 1 1 1		1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1				
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore South Powerhouse South Shore Weir Depths NSE-1 NSE-2 SPE-1 SPE-2	1 1 1 1 1 1 1 1 1 1 0 0	0	1 1 1 1 1 1 1 1 1 1 0 0	1 1 1 1 1 1 1 1 1 1 0 0	1 1 1 1 1 1 1 1 1 1 0 0	1 1 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 Ladder Exit	. (,								Not applicable.
Ladder Weirs	0	0	0	0	0	0	0	0	0	Not applicable.
Counting Station		v	v	V	V	v	v	V	, in the second	Not applicable.
North Ladder Differential	s (0.11 - 0.2 too	low)								Tiot applicable.
Ladder Exit	0,000	10.1.)								Not applicable.
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station										Not applicable.
North Ladder Differential	s (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 Differential	s (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 Differential	s (0 <u>.11 - 0.2 too</u>	high)								
Ladder Exit	0	0	0	0	0	0	0	0	0	0
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 Differential	s (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	s (more than 0.2	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	v)									Not
Ladder Exit										applicable.
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
			· ·	, and the second	· ·		· ·	·	, in the second	Not
Counting Station										applicable.
South Ladder Differentials (0.01 - 0.1 too low	v)									
Ladder Exit										Not applicable.
Ladder Weirs	0	0	0	0	0	0	0	0	0	аррисаотс. 0
Laudel Wells		U	U	U	U	U	U	U	U	Not
Counting Station										applicable.
South Ladder Differentials (0.01 - 0.1 too hig	h)									
Ladder Exit	0	0	0	0	0	0	0	0	0	0
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	h)									
Ladder Exit	0	0	0	0	0	0	0	0	0	0
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 to										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
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
Cl										
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
South Shore	U	U	U	U	U	U	U	U	U	U
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
50 4.11 51101 0		Ŭ	<u> </u>		<u> </u>		<u> </u>			J
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
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 App									
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
	Not									
SSE-2 (set 6 ft above sill)	App	lic.								
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 App									

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
EL EN ATRIONG										
ELEVATIONS:										
North Fish Ladder	537.5	527.2	537.5	537.3	537.0	537.4	536.9	537.5	537.2	537.0
Forebay: SG7N Exit Pool: SG1N	537.4	537.3 537.3	537.4	537.3	537.0	537.4	536.9	537.5	537.2	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	407.5	407.5	407.5	407.5	107.5	400.1	100.0	107.5	400.0	100.0
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	537.2
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	0.1	0.0	0.1	0.0	0.0	0.2	0.0	0.0	0.2	0.2
Ladder Exit Ladder Weirs	0.1	0.0	0.1	0.0	0.0	0.2 1.0	0.0	0.0	0.2	0.2
	1.2 0.2	1.1 0.2	1.1 0.2	1.1 0.2	1.0 0.2	0.1	1.0 0.2	1.0 0.2	1.0 0.0	1.2 0.0
Counting Station South Fish Ladder	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.0	0.0
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
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	VEC	YES	YES	YES	YES
Differentials	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
North Fish Ladder	VEC	VEC	VEC	VEC	VEC	VEC	VEC	VEC	VEC	VEC
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
CDITEDIA DONITE VEC										(Output = 0, 1, or
CRITERIA POINTS: YES		1	1						1	NA)
Channel Velocities	1	1	1	1	1	1	1	1	1	1
Differentials										
North Fish Ladder					1				1	
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	I	1	1
South Fish Ladder										
Ladder Exit	1	1	1	1	1	1	1	1	1	1
Ladder Weirs	l .	1	1	1	1	l .	l .	1	1	1
Counting Station	I	1	1	1	1	I	I	1	1	1
Collection Channels										
North Shore	I	I	1	I	1	I	I	I	1	1
South Powerhouse	I	I	1	1	0	I	I	I	1	I o
South Shore	l	1	1	1	1	l	l	1	1	0
Weir Depths										
NSE-1	1	1	1	1	1	1	1	l	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	I
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 Ladder Exit	· (c c c c c c c c c c c c c c c c	_ (30 10 11)								Not applicable.
Ladder Weirs	0	0	0	0	0	0	0	0	0	Not applicable.
Counting Station		V	· ·	· ·	U	· ·	· ·	, and the second second	- U	Not applicable.
North Ladder Differential	s (0 11 - 0 2 too	low)								Tvot applicable.
Ladder Exit	3 (0.11 0.2 100	1011)								Not applicable.
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station										Not applicable.
North Ladder Differential	s (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 Differential	s (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 Differential	s (0 <u>.11 - 0.2 too</u>	high)								
Ladder Exit	0	0	0	0	0	0	0	0	0	0
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 Differential	s (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	s (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)									Not
Ladder Exit										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	r)									Not
Ladder Exit										applicable.
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
										Not
Counting Station										applicable.
South Ladder Differentials (0.01 - 0.1 too hig							•			
Ladder Exit	0	0	0	0	0	0	0	0	0	0
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 hig		0	0	0	0	0	0	0	0	0
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station South Ladder Differentials (more than 0.2 to			U	U	U	U	U	U	U	U
Ladder Exit	o mgn O	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (<0.80)	U	U	U	U	U	U	0	U	U	, and the second
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
20 411 21012	· ·	Ŭ					<u> </u>		J	V
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)		0	0					0		
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	U	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 App									
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
	Not									
SSE-2 (set 6 ft above sill)	App	lic.								
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 App									

APPENDIX 1 (CONTINUED). LOWER	MONUME	NTAL ADU	LT FISHW	AY INS	PECTIO	NS	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	441.7	442.2	442.4	442.0	441.0	441.2	441.0	441.0	440.3	440.0
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 Tailwater	440.6	441.3	441.3	441.3	440.7	440.3	440.3	439.9	440.3	440.3
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	440.1	440.0	440.0	439.3	440.0
South Shore: Tailwater TWS	439.6	440.2	440.2	440.2	439.6	439.2	439.3	438.8	439.7	439.1
Entrance Weirs	437.0	770.2	440.2	770.2	437.0	737.2	737.3	730.0	737.1	737.1
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	0.0	0.2	0.2	0.0	0.3	0.3	0.1	0.6	0.4	0.0
NSE-1 NSE-2	8.0	8.3	8.3	8.0	8.2	8.2	8.1	8.6	8.4	8.0
NSE-2 SPE-1	8.5 8.0	8.0 8.2	8.0	8.0 8.1	8.1 8.1	8.0 8.0	8.0	8.6 8.1	8.2 7.7	8.0 8.0
SPE-1 SPE-2	8.0 8.0	8.2 8.1	8.4	8.1	8.1	8.0	8.0 8.0	8.1		8.0 8.0
SSE-1	8.0 8.1	8.1	8.4 8.0	8.0	8.0	8.1	8.0 8.1	7.8	7.7 8.1	8.0
SSE-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
SSE-Z (ICCL AUGVC SIII)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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	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
CDITEDIA DOINTS, VES										(Output = $0, 1, or$
CRITERIA POINTS: YES Channel Velocities	1	1	1	1	1	1	1			NA)
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	1	1	1	1	1
Ladder Weirs	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
Ladder Weirs Counting Station	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1
Ladder Weirs Counting Station South Fish Ladder	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1
Ladder Weirs Counting Station South Fish Ladder Ladder Exit	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1
Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Weirs	1 1 1	1 1 1 1 1	1 1 1 1 1	1 1 1 1 1	1 1 1 1 1	1 1 1 1	1 1 1 1 1	1 1 1	1 1 1 1 1	1 1 1
Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Weirs Counting Station	1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1
Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Weirs Counting Station Collection Channels	1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1
Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore	1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1
Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Weirs Counting Station Collection Channels	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1
Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore South Powerhouse	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1
Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore South Powerhouse South Shore	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1
Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore South Powerhouse South Shore Weir Depths	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	
Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore South Powerhouse South Shore Weir Depths NSE-1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	
Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore South Powerhouse South Shore Weir Depths NSE-1 NSE-2	1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1			1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 0 0	
Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore South Powerhouse South Shore Weir Depths NSE-1 NSE-2 SPE-1	1 1 1 1 1 1 1 1 1 1 1 1 1					1 1 1 1 1 1 1 1 1 1 1 1 1		1 1 1 1 1 1 1 1 1 1 1 1 1	· ·	
Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore South Powerhouse South Shore Weir Depths NSE-1 NSE-2 SPE-1 SPE-2	1 1 1 1 1 1 1 1 1 1 1 1 1 1							1 1 1 1 1 1 1 1 1 1 1 1 1 1 0	· ·	1 1 1 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	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 Ladder Exit	. (,								Not applicable.
Ladder Weirs	0	0	0	0	0	0	0	0	0	Not applicable.
Counting Station		v	v	V	V	v	v	V	, in the second	Not applicable.
North Ladder Differential	s (0.11 - 0.2 too	low)								Tiot applicable.
Ladder Exit	0,000	10.1.)								Not applicable.
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station										Not applicable.
North Ladder Differential	s (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 Differential	s (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 Differential	s (0 <u>.11 - 0.2 too</u>	high)								
Ladder Exit	0	0	0	0	0	0	0	0	0	0
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 Differential	s (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	s (more than 0.2	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	v)									Not
Ladder Exit										applicable.
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
			· ·	, and the second	· ·		· ·	·	, in the second	Not
Counting Station										applicable.
South Ladder Differentials (0.01 - 0.1 too low	v)									
Ladder Exit										Not applicable.
Ladder Weirs	0	0	0	0	0	0	0	0	0	аррисаотс. 0
Laudel Wells		U	U	U	U	U	U	U	U	Not
Counting Station										applicable.
South Ladder Differentials (0.01 - 0.1 too hig	h)									
Ladder Exit	0	0	0	0	0	0	0	0	0	0
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	h)									
Ladder Exit	0	0	0	0	0	0	0	0	0	0
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 to										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
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
Cl										
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
South Shore	U	U	U	U	U	U	U	U	U	U
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
50 4.11 51101 0		Ŭ	<u> </u>		<u> </u>		<u> </u>			J
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
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 App									
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
	Not									
SSE-2 (set 6 ft above sill)	App	lic.								
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 App									

APPENDIX 1 (CONTINUED). LOWER	MONUMI	ENTAL A	DULT FIS	SHWAY I	NSPECTI	IONS	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	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	6.4
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

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	NO	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	YES	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL
SSE-2 (feet above sill)	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
										(Output = 0, 1, or
Changel Valacities	1	1	1	1	1	1	1	1	1	NA)
Channel Velocities	1	1	1	1	1	1	1	1	1	
Channel Velocities Differentials	1	1	1	1	1	1	1	1	1	
Channel Velocities Differentials North Fish Ladder	1	1	1	1		1	1	1	1	
Channel Velocities Differentials North Fish Ladder Ladder Exit	1 1	1 1	1	1 1	1 1	1	1	1	1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs	1 1 1	1 1 1	1 1 1	1 1 1		1 1 1	1 1 1	1 1 1	1 1 1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1		1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1		1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit	1 1 1 1 1 1	1 1 1 1	1 1 1 1 1	1 1 1 1 1		1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Exit Ladder Weirs	1 1 1 1 1 1	1 1 1 1 1	1 1 1 1 1	1 1 1 1 1 1		1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1 1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Weirs Counting Station	1 1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1 1		1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Weirs Counting Station Collection Channels	1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1		1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Weirs Counting Station Collection Channels	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore South Powerhouse South Shore	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore South Powerhouse	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore South Powerhouse South Shore Weir Depths	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1		
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore South Powerhouse South Shore Weir Depths NSE-1	1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 0 0	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore South Powerhouse South Shore Weir Depths NSE-1 NSE-2	1 1 1 1 1 1 1 1 1 1		1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 0 0	1 1 1 1 1 1 1 1 1 1 1 0	NA) 1 1 1 1 1 1 1 1 1 1 1 1 1
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore South Powerhouse South Shore Weir Depths NSE-1 NSE-2 SPE-1	1 1 1 1 1 1 1 1 1 1 1	0	1 1 1 1 1 1 1 1 1 0 0	1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1			NA) 1 1 1 1 1 1 1 1 1 1 1 1 1
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore South Powerhouse South Powerhouse South Shore Weir Depths NSE-1 NSE-2 SPE-1 SPE-2	1 1 1 1 1 1 1 1 1 1 1	0	1 1 1 1 1 1 1 1 1 0 0	1 1 1 1 1 1 1 1 1 1 0 0	1 1 1 1 1 1 1 1 1 1 0 0	1 1 1 1 1 1 1 1 1 1 0 0	1 1 1 1 1 1 1 1 1 1 0 0	0	0	NA) 1 1 1 1 1 1 1 1 1 1 0 0

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	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	s (more than 0 '	2 too low)								
Ladder Exit	s (more than 0.	2 (00 10 W)								Not applicable.
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station										Not applicable.
North Ladder Differentials	s (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	s (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	s (0 <u>.01 - 0.1 too</u>	high)								
Ladder Exit	0	0	0	0	0	0	0	0	0	0
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	s (0 <mark>.11 - 0.2 too</mark>	high)								
Ladder Exit	0	0	0	0	0	0	0	0	0	0
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	s (more than 0.2	2 too high)								
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
South Ladder Differentials	s (more than 0.2	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)									Not
Ladder Exit										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	r)									Not
Ladder Exit										applicable.
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
										Not
Counting Station										applicable.
South Ladder Differentials (0.01 - 0.1 too high		0	0	0	0	0	0	0	0	0
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	<u>0</u>	0	0	0	0	0	0	0	0	0
South Ladder Differentials (0.11 - 0.2 too high Ladder Exit	n) 0	0	0	0	0	0	0	0	0	0
Ladder Exit Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
South Ladder Differentials (more than 0.2 to			U	U	U	U	U	U	U	U
Ladder Exit	0 mgn	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (<0.80)		<u> </u>								
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
Channal/Tailanatan Diff. (2.14, 2.20)										
Channel/Tailwater Differentials (2.11 - 2.20) North Shore		0	0	0	0	0	0	0	0	
North Shore South Powerhouse	0	0	0	0	0	0	0	0	0	0
South Powerhouse South Shore	0		0	0	0	0	0	0	0	0
South Shore	U	U	U	U	U	U	U	U	U	U
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
South Shore	U	U	0						U	

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 App										
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	
	Not										
SSE-2 (set 6 ft above sill)	App	lic.									
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 App										

APPENDIX 1 (CONTINUED). LOWER MO	NUMEN'	TAL ADU	JLT FISI	HWAY IN	SPECTI	ONS	2023			
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	520.2	530.1	53 0.0	520.2	525.0	520.2	720.2	520.4	50.F.F	50E E
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	438.9	439.0	439.3	439.8	439.0	439.7	439.4	439.4	438.8	439.0
South Fowerhouse. SG12N South Shore: Channel CES	439.0	439.0	439.2	439.7	439.0	439.7	439.5	438.9	438.4	438.4
Tailwater	439.0	430.9	439.0	439.0	436.7	439.3	439.3	430.9	430.4	430.4
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	437.7	737.7	130.3	130.1	137.0	430.3	130.3	437.7	137.1	137.1
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	0.4	0.2	0:	0:	0.1	0.2	0.2	0.1	0.1	0.0
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 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:										
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	SILL	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
										(Output = 0, 1, or
CDITEDIA DOINTE VEC										
Channel Valorities	1	1	1	1	1	1	1	1	1	NA)
Channel Velocities	1	1	1	1	1	1	1	1	1	
Channel Velocities Differentials	1	1	1	1	1	1	1	1	1	
Channel Velocities Differentials North Fish Ladder	1	1	1	1	1	1	1	1	1	
Channel Velocities Differentials North Fish Ladder Ladder Exit	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1 1	1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder	1 1 1 1	1 1 1 1 1	1 1 1 1 1	1 1 1 1	1 1 1 1 1	1 1 1 1 1	1 1 1 1	1 1 1 1 1	1 1 1 1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit	1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1	1 1 1	1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Weirs	1 1 1 1 1 1	1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1 1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Weirs Counting Station	1 1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Weirs Counting Station Collection Channels	1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1 1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore South Powerhouse	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore South Powerhouse South Shore	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore South Powerhouse South Shore Weir Depths	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore South Powerhouse South Shore Weir Depths NSE-1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore South Powerhouse South Shore Weir Depths NSE-1 NSE-2	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 0	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 0 0	1 1 1 1 1 1 1 1 1 1 1 0	NA) 1 1 1 1 1 1 1 1 1 1 1 1 1
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore South Powerhouse South Shore Weir Depths NSE-1 NSE-2 SPE-1	1 1 1 1 1 1 1 1 1 0 0		1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1			NA) 1 1 1 1 1 1 1 1 1 1 1 1 1
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore South Powerhouse South Shore Weir Depths NSE-1 NSE-2 SPE-1 SPE-2	1 1 1 1 1 1 1 1 1 0 0	0	1 1 1 1 1 1 1 1 1 1 0 0	1 1 1 1 1 1 1 1 1 1 0 0	1 1 1 1 1 1 1 1 1 1 0 0	1 1 1 1 1 1 1 1 1 1 0 0	1 1 1 1 1 1 1 1 1 1 0 0	0	0	NA) 1 1 1 1 1 1 1 1 1 1 1 0 0

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	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	s (more than 0 '	2 too low)								
Ladder Exit	s (more than 0.	2 too 10 w)								Not applicable.
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station										Not applicable.
North Ladder Differentials	s (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	s (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	s (0 <u>.01 - 0.1 too</u>	high)								
Ladder Exit	0	0	0	0	0	0	0	0	0	0
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	s (0 <mark>.11 - 0.2 too</mark>	high)								
Ladder Exit	0	0	0	0	0	0	0	0	0	0
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	s (more than 0.2	2 too high)								
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
South Ladder Differentials	s (more than 0.2	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	v)									Not
Ladder Exit										applicable.
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
			· ·	, and the second	· ·		· ·	·	, in the second	Not
Counting Station										applicable.
South Ladder Differentials (0.01 - 0.1 too low	v)									
Ladder Exit										Not applicable.
Ladder Weirs	0	0	0	0	0	0	0	0	0	аррисаотс. 0
Laudel Wells		U	U	U	U	U	U	U	U	Not
Counting Station										applicable.
South Ladder Differentials (0.01 - 0.1 too hig	h)									
Ladder Exit	0	0	0	0	0	0	0	0	0	0
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 hig	h)									
Ladder Exit	0	0	0	0	0	0	0	0	0	0
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 to										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
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
Cl										
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
South Shore	U	U	U	U	U	U	U	U	U	U
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
50 4.11 51101 0		Ŭ	<u> </u>		<u> </u>		<u> </u>			J
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
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 App									
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
	Not									
SSE-2 (set 6 ft above sill)	App	lic.								
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 App									

APPENDIX 1 (CONTINUED). LOWER M	ONUME	NTAL AD	ULT FIS	HWAY I	NSPECTI	ONS	2023			
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	420.2	420.0	420.0	120.2	420.0	120.1	120.1	120.0	420.2	420.2
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 SSE-1	432.0 431.0									
SSE-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:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
North Fish Ladder										
Ladder Exit	0.1	0.1	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	0.2	0.2	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.5
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	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	V.1
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	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	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
										(Output = 0, 1, or
CRITERIA POINTS: YES										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						
Counting Station South Fish Ladder						1	1	l	1	1
		1	1	1	1	1	1	1	1	1
		1	1	1	i	1	1	1	1	1
Ladder Exit	1	1	1	1	1	1	1 1	1 1	1 1	1
Ladder Exit Ladder Weirs	1	1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1 1	1 1 1	1 1 1	1 1
Ladder Exit Ladder Weirs Counting Station	1 1 1	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1
Ladder Exit Ladder Weirs Counting Station Collection Channels	1 1 1	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1 1	1 1 1 1 1	1 1 1 1 1	1 1 1 1 1	1 1 1 1
Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore	1 1 1	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1	1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1
Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore South Powerhouse	1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1	1 1 1 1	1	1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1
Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore South Powerhouse South Shore	1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1	•	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1
Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore South Powerhouse South Shore Weir Depths	1 1 1 1 1 1	1 1 1 1 1 1 1 1	1	1 1 1 1 1 1	1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1
Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore South Powerhouse South Shore Weir Depths NSE-1	1 1 1 1 1 1	1 1 1 1 1 1 1	1 0	1 1 1 1 1 1 1	1 1 0	1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1
Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore South Powerhouse South Shore Weir Depths NSE-1 NSE-2	1 1 1 1 1 1 1	0	0 0	1 1 1 1 1 1 1 1	1 1 0 0 0	1 1 1 1 1 1 1 1 0	0	0	1 1 1 1 1 1 1 1	
Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore South Powerhouse South Shore Weir Depths NSE-1 NSE-2 SPE-1	1 1 1 1 1 1 1 1 0	0 0	0 0 0	0	1 1 0 0	0	0	0	1 1 1 1 1 1 1 1 1 0	1 1 1 1 1 1 1 1 1 0
Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore South Powerhouse South Shore Weir Depths NSE-1 NSE-2 SPE-1 SPE-2	0	0 0 0	0 0 0 0	0	1 1 0 0 0	0	0 0 0	0 0 0	0	0
Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore South Powerhouse South Shore Weir Depths NSE-1 NSE-2 SPE-1		0 0	0 0 0	0	1 1 0 0	0	0	0		

CRITERIA POINTS: NO										(Output = 0, 1, or NA)
Channel Velocities	0	0	0	0	0	0	0	0	0	0
Differentials										
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 Ladder Exit	· (c c c c c c c c c c c c c c c c	_ (30 10 11)								Not applicable.
Ladder Weirs	0	0	0	0	0	0	0	0	0	Not applicable.
Counting Station		V	· ·	· ·	U	U	· ·	, and the second	- U	Not applicable.
North Ladder Differential	s (0 11 - 0 2 too	low)								Tvot applicable.
Ladder Exit	3 (0.11 0.2 100	1011)								Not applicable.
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station										Not applicable.
North Ladder Differential	s (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 Differential	s (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 Differential	s (0 <u>.11 - 0.2 too</u>	high)								
Ladder Exit	0	0	0	0	0	0	0	0	0	0
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 Differential	s (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	s (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.

Not applicable. Ladder Weirs
Ladder Weirs 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Not applicable: South Ladder Differentials (0.01 - 0.1 too low)
Not applicable: Not Adder Differentials (0.01 - 0.1 too high) Not applicable: Not Adder Exit
Not applicable. Ladder Exit Applicable. Ladder Weirs Do 0
Ladder Exit applicable. Ladder Weirs 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Ladder Weirs 0 <t< td=""></t<>
Not applicable: South Ladder Differentials (0.01 - 0.1 too high)
South Ladder Differentials (0.01 - 0.1 too high) Ladder Exit 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Ladder Exit 0 <td< td=""></td<>
Ladder Weirs 0 <t< td=""></t<>
Counting Station 0
South Ladder Differentials (0.11 - 0.2 too high) Ladder Exit 0 0 0 0 0 0 0 0 0 0 0 0 0 0 Ladder Weirs 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Ladder Exit 0 <th< td=""></th<>
Ladder Weirs 0 0 0 0 0 0 0 0 0
Counting Station 0 0 0 0 0 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 0
Ladder Weirs 0 0 0 0 0 0 0 0 0 0 0 0 0
Counting Station 0 0 0 0 0 0 0 0 0
Channel/Tailwater Differentials (<0.80)
North Shore 0 0 0 0 0 0 0 0 0
South Powerhouse 0 0 0 0 0 0 0 0
South Shore 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
South Powerhouse 0 0 0 0 0 0 0 0 0
South Shore 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
South Powerhouse 0 0 0 0 0 0 0 0 0 0
South Shore 0 0 0 0 0 0 0 0 0
Channel/Tailwater Differentials (2.01 - 2.10) North Shore
North Shore 0 <th< td=""></th<>
South Powerhouse 0 0 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
South Powerhouse 0 0 0 0 0 0 0 0 0
South Shore 0 0 0 0 0 0 0 0
Channel/Tailwater Differentials (>2.20)
North Shore 0 0 0 0 0 0 0 0
South Powerhouse 0 0 0 0 0 0 0 0 0
South Shore 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 App												
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			
	Not												
SSE-2 (set 6 ft above sill)	App	lic.											
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 App												

APPENDIX 1 (CONTINUED). LOWER	MONUM	1ENTAL	ADULT	FISHWAY	INSPECT	TONS	2023			
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	425.0	425.0	425.0	425.0	425.0	420.0	120.4	100.6	420.4	420.5
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	429.5	429.5	429.5	429.8	429.0	430.1	430.3	430.5	430.2	430.5
SPE-1	432.0	432.0	432.0	432.0	432.0	430.1	430.3	430.3	432.0	430.3
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:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
North Fish Ladder										
Ladder Exit	0.2	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
CDITEDLA DOINTE VEC										(Output = $0, 1, or$
CRITERIA POINTS: YES	1	1	1	1	1	1	1	1	1	NA)
Channel Velocities	1	1	1	1	1	1	1	1	1	NA) 1
Channel Velocities Differentials	1	1	1	1	1	1	1	1	1	NA) 1
Channel Velocities Differentials North Fish Ladder	1	1	1	1		1	1	1	1	NA) 1
Channel Velocities Differentials North Fish Ladder Ladder Exit	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1	1 1 1
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1		1 1 1 1	1 1 1 1	1 1 1 1	1 1 1	NA) 1 1 1 1
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1		1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1 1 1
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder	1 1 1 1 1	1 1 1 1 1	1 1 1 1 1	1 1 1 1 1		1 1 1 1 1	1 1 1 1 1	1 1 1 1 1	1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit	1 1 1 1 1	1 1 1 1 1	1 1 1 1 1	1 1 1 1 1		1 1 1 1 1	1 1 1 1 1	1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Weirs	1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1		1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit	1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1		1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Exit Ladder Weirs Counting Station	1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1		1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Exit Ladder Weirs Counting Station Collection Channels	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore South Powerhouse	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore South Powerhouse South Shore	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore South Powerhouse South Shore Weir Depths	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore South Powerhouse South Shore Weir Depths NSE-1	1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 0	1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 0 0 1 1 1 1 1 1
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore South Powerhouse South Shore Weir Depths NSE-1 NSE-2	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 0	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 0 0	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 0 0	1 1 1 1 1 1 1 1 1 1 1 0 0	1 1 1 1 1 1 1 1 1 1
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore South Powerhouse South Shore Weir Depths NSE-1 NSE-2 SPE-1	1 1 1 1 1 1 1 1 1 1 1		1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 0 0	1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1			1 1 1 1 1 1 1 1 1 1 1 1 1 1 0
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore South Powerhouse South Powerhouse South Shore Weir Depths NSE-1 NSE-2 SPE-1 SPE-2	1 1 1 1 1 1 1 1 1 1 0 0	0	1 1 1 1 1 1 1 1 1 1 0 0	1 1 1 1 1 1 1 1 1 1 0 0	1 1 1 1 1 1 1 1 0 0 0	1 1 1 1 1 1 1 1 1 1 0 0	1 1 1 1 1 1 1 1 1 1 0 0	0	0	1 1 1 1 1 1 1 1 1 1 1 1 0 0

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	s (more than 0 '	2 too low)								
Ladder Exit	s (more than 0.	2 too 10 w)								Not applicable.
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station										Not applicable.
North Ladder Differentials	s (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	s (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	s (0 <u>.01 - 0.1 too</u>	high)								
Ladder Exit	0	0	0	0	0	0	0	0	0	0
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	s (0 <mark>.11 - 0.2 too</mark>	high)								
Ladder Exit	0	0	0	0	0	0	0	0	0	0
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	s (more than 0.2	2 too high)								
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
South Ladder Differentials	s (more than 0.2	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	v)									Not
Ladder Exit										applicable.
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
			· ·	, and the second	· ·		· ·	·	, in the second	Not
Counting Station										applicable.
South Ladder Differentials (0.01 - 0.1 too low	v)									
Ladder Exit										Not applicable.
Ladder Weirs	0	0	0	0	0	0	0	0	0	аррисаотс. 0
Laudel Wells		U	U	U	U	U	U	U	U	Not
Counting Station										applicable.
South Ladder Differentials (0.01 - 0.1 too hig	h)									
Ladder Exit	0	0	0	0	0	0	0	0	0	0
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	h)									
Ladder Exit	0	0	0	0	0	0	0	0	0	0
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 to										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
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
Cl										
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
South Shore	U	U	U	U	U	U	U	U	U	U
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
50 4.11 51101 0		Ŭ	<u> </u>		<u> </u>		<u> </u>			J
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
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
	Not									
SSE-2 (set 6 ft above sill)	App	lic.								
F (W: D () (0.11 0.2 ())										
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
	Not									
SSE-2 (set 6 ft above sill)	App	lic.								
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
	Not									
SSE-2 (set 6 ft above sill)	App	lic.								

APPENDIX 1 (CONTINUED). LOWER	MONUME	NTAL ADU	JLT FISHV	VAY INS	PECTIO	ONS	2023			
				1-	2-	3-			0.5	0.5
DATES:	25-Aug	27-Aug	29-Aug	Sep	Sep	Sep	4-Sep	7-Sep	8-Sep	9-Sep
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	0.0	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1
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 0.2	1.1	1.1 0.0	1.1 0.3	1.1 0.2	1.1 0.2	1.1 0.0	1.0 0.0	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	0.0	0.0	0.0	0.1	0.0	0.1	0.2	0.0	0.0	0.1
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	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	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
										(Output = 0, 1, or
COMPRESS A DOMESTIC AND C										
Channel Velocities	1		1	1	1	1	1	1		NA)
Channel Velocities	1	1	1	1	1	1	1	1	1	
Channel Velocities Differentials	1	1	1	1	1	1	1	1	1	
Channel Velocities Differentials North Fish Ladder	1	1	1	1		1	1	1	1	
Channel Velocities Differentials North Fish Ladder Ladder Exit	1	1	1 1	1	1	1 1	1	1	1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs	1 1 1	1 1 1	1 1 1	1 1 1		1 1 1	1 1 1	1 1 1	1 1 1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1		1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder	1 1 1 1	1 1 1 1 1	1 1 1 1	1 1 1 1		1 1 1 1 1	1 1 1 1 1	1 1 1 1 1	1 1 1 1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit	1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1		1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Weirs	1 1 1 1 1	1 1 1 1 1	1 1 1 1 1	1 1 1 1 1 1		1 1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Exit Ladder Weirs Counting Station	1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1		1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Weirs Counting Station Collection Channels	1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1		1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore	1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Weirs Counting Station Collection Channels	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore South Powerhouse	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore South Powerhouse South Shore	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore South Powerhouse South Shore Weir Depths	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore South Powerhouse South Shore Weir Depths NSE-1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore South Powerhouse South Shore Weir Depths NSE-1 NSE-2	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 0	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 0	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 0 0	1 1 1 1 1 1 1 1 1 1 1 0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore South Powerhouse South Shore Weir Depths NSE-1 NSE-2 SPE-1	1 1 1 1 1 1 1 1 1 1 1		1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 0 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1			1 1 1 1 1 1 1 1 1 1 1 1 1 0 0
Channel Velocities Differentials North Fish Ladder Ladder Exit Ladder Weirs Counting Station South Fish Ladder Ladder Exit Ladder Exit Ladder Weirs Counting Station Collection Channels North Shore South Powerhouse South Powerhouse South Shore Weir Depths NSE-1 NSE-2 SPE-1 SPE-2	1 1 1 1 1 1 1 1 1 1 0 0	0	1 1 1 1 1 1 1 1 1 1 0 0	1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 0 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1	0	0	1 1 1 1 1 1 1 1 1 1 1 1 1 0 0

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	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	s (more than 0 '	2 too low)								
Ladder Exit	s (more than 0.	2 too 10 w)								Not applicable.
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station										Not applicable.
North Ladder Differentials	s (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	s (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	s (0 <u>.01 - 0.1 too</u>	high)								
Ladder Exit	0	0	0	0	0	0	0	0	0	0
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	s (0 <mark>.11 - 0.2 too</mark>	high)								
Ladder Exit	0	0	0	0	0	0	0	0	0	0
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	s (more than 0.2	2 too high)								
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
South Ladder Differentials	s (more than 0.2	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	v)									Not
Ladder Exit										applicable.
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
			· ·	, and the second	· ·		· ·	·	, in the second	Not
Counting Station										applicable.
South Ladder Differentials (0.01 - 0.1 too low	v)									
Ladder Exit										Not applicable.
Ladder Weirs	0	0	0	0	0	0	0	0	0	аррисаотс. 0
Laudel Wells		U	U	U	U	U	U	U	U	Not
Counting Station										applicable.
South Ladder Differentials (0.01 - 0.1 too hig	h)									
Ladder Exit	0	0	0	0	0	0	0	0	0	0
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 hig	h)									
Ladder Exit	0	0	0	0	0	0	0	0	0	0
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 to										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
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
Cl										
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
South Shore	U	U	U	U	U	U	U	U	U	U
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
50 4.11 51101 0		Ŭ	<u> </u>		<u> </u>		<u> </u>			J
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
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
	Not									
SSE-2 (set 6 ft above sill)	App	lic.								
F (W: D () (011 02 ())										
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
	Not									
SSE-2 (set 6 ft above sill)	App	lic.								
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
	Not									
SSE-2 (set 6 ft above sill)	App	lic.								

APPENDIX 1 (CONTINUED). LOWER	MONUM	ENTAL A	ADULT FI	SHWAY I	NSPECTI	IONS	2023			
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		0.1	0.1		0.1	0.1	0.2	0.1	0.1	0.1
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	0.1	0.1	0.1	0.0	0.2	0.1	0.2	0.1	0.2	0.2
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	1.4	1.4	1.5	1.2	1.4	1.4	1.6	1.4	1.4	1.0
North Shore	1.4	1.4	1.5	1.3	1.4	1.4	1.6	1.4	1.4	1.0
South Powerhouse South Shore	1.2	1.2	1.3	1.3	1.1	1.1	1.3	1.1	1.0	1.1
Weir Depths	1.2	1.3	1.4	1.1	1.3	1.3	1.1	1.4	1.5	1.4
NSE-1	8 U	8.0	Q 1	8.0	Q 1	8.0	82	Q 1	8.1	8.1
NSE-1 NSE-2	8.0 8.2	8.0	8.1	8.0	8.1 8.2	8.0	8.2 8.3	8.1	8.1	
SPE-1	8.2 5.8	6.9	8.0 6.2	6.8	8.2 6.7	6.9	8.3 6.6	8.0 6.5	7.0	8.0 7.2
SPE-1 SPE-2	5.8 5.8	6.9	6.2	6.8	6.7	6.9	6.6	6.5	7.0	7.2
SPE-2 SSE-1	3.8 8.0	8.0	6.2 7.4	8.0	7.7	8.1	7.7	6.3 7.7	7.0 7.7	8.0
SSE-1 SSE-2 (feet above sill)	8.0 6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
33L-2 (ICCI above SIII)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

CRITERIA POINTS: NO										(Output = 0, 1, or NA)
Channel Velocities	0	0	0	0	0	0	0	0	0	0
Differentials										
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 Ladder Exit										Not applicable.
Ladder Weirs	0	0	0	0	0	0	0	0	0	Not applicable.
Counting Station		· ·	· ·	· ·	· ·	· ·	· ·	· ·	, in the second	Not applicable.
North Ladder Differentials	s (0.11 - 0.2 too	low)								r tot apprication.
Ladder Exit	~ (****									Not applicable.
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station										Not applicable.
North Ladder Differential	s (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 Differential	s (0 <u>.01 - 0.1 too</u>	high)								
Ladder Exit	0	0	0	0	0	0	0	0	0	0
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 Differential	s (0 <mark>.11 - 0.2 too</mark>	high)								
Ladder Exit	0	0	0	0	0	0	0	0	0	0
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 Differential	s (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	s (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	v)									Not
Ladder Exit										applicable.
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
			· ·	, and the second	· ·		· ·	·	, in the second	Not
Counting Station										applicable.
South Ladder Differentials (0.01 - 0.1 too low	v)									
Ladder Exit										Not applicable.
Ladder Weirs	0	0	0	0	0	0	0	0	0	аррисаотс. 0
Laudel Wells		U	U	U	U	U	U	U	U	Not
Counting Station										applicable.
South Ladder Differentials (0.01 - 0.1 too hig	h)									
Ladder Exit	0	0	0	0	0	0	0	0	0	0
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 hig	h)									
Ladder Exit	0	0	0	0	0	0	0	0	0	0
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 to										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
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
Cl										
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
South Shore	U	U	U	U	U	U	U	U	U	U
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
50 4.11 51101 0		Ŭ	<u> </u>		<u> </u>		<u> </u>			J
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
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
	Not									
SSE-2 (set 6 ft above sill)	App	lic.								
F (W: D () (0.11 0.2 ())										
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
	Not									
SSE-2 (set 6 ft above sill)	App	lic.								
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
	Not									
SSE-2 (set 6 ft above sill)	App	lic.								

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
EV EV ATVONO										
ELEVATIONS:										
North Fish Ladder	520 C	520 C	527.0	520 7	520.4	520 E	529 A	52 0.0	£20 1	5207
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 U S Picketed Leads: SG3N	534.1 468.1	534.0 468.2	534.1 468.1	534.1 468.2	534.1 468.2	534.1 468.2	534.1 468.2	534.1 468.0	534.1 468.2	534.1 467.9
D S Picketed Leads: SG4N	467.9	468.1	467.9	468.0	467.9	468.2	468.0	468.0	467.9	467.9
South Fish Ladder	407.9	400.1	407.9	400.0	407.9	400.0	400.0	400.0	407.9	407.9
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	0.1	0.1	0.0	0.2	0.2	0.2	0.1	0.0	0.2	0.2
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 South Fish Ladder	0.2	0.1	0.2	0.2	0.3	0.2	0.2	0.0	0.3	0.0
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	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1
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								•		
South Shore	1	1	1	1	1	1	1	1	1	1
Weir Depths	1	1	1	1	1	1	1	1	1	1
	1	1	1	1	1	1	1	1	1	1
Weir Depths	1 1 1	1 1 1	0	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1	1 1 1
Weir Depths NSE-1 NSE-2 SPE-1	1 1 1 0	1 1 1 0	0	1 1 1 0	1 1 1 0	1 1 1 0	1 1 1 0	1 1 1 0	1 1 0	1 1 1 0
Weir Depths NSE-1 NSE-2 SPE-1 SPE-2	0	0	0 0 0	0	0	1 1 1 0 0	0	0	1 1 0 0	1 1 1 0 0
Weir Depths NSE-1 NSE-2 SPE-1 SPE-2 SSE-1			0 0 0 0			1 1 1 0			1 1 0 0	
Weir Depths NSE-1 NSE-2 SPE-1 SPE-2	0	0	0 0 0	0	0	1 1 1 0 0	0	0	1 1 0 0	
Weir Depths NSE-1 NSE-2 SPE-1 SPE-2 SSE-1 SSE-2 (feet above sill)	0	0	0 0 0 0	0	0	1 1 1 0 0	0	0	1 1 0 0	
Weir Depths NSE-1 NSE-2 SPE-1 SPE-2 SSE-1 SSE-2 (feet above sill) CRITERIA POINTS: NO	0 0 1	0 0 1	0 0 0 0 0	0 0 1	0 0 1	1 1 1 0 0 0	0 0 1	0 0 1	1 1 0 0 1 1	0 1 1
Weir Depths NSE-1 NSE-2 SPE-1 SPE-2 SSE-1 SSE-2 (feet above sill) CRITERIA POINTS: NO Channel Velocities	0	0	0 0 0 0	0	0	1 1 1 0 0	0	0	1 1 0 0	
Weir Depths NSE-1 NSE-2 SPE-1 SPE-2 SSE-1 SSE-2 (feet above sill) CRITERIA POINTS: NO Channel Velocities Differentials	0 0 1	0 0 1	0 0 0 0 0	0 0 1	0 0 1	1 1 1 0 0 0	0 0 1	0 0 1	1 1 0 0 1 1	0 1 1
Weir Depths NSE-1 NSE-2 SPE-1 SPE-2 SSE-1 SSE-2 (feet above sill) CRITERIA POINTS: NO Channel Velocities Differentials North Fish Ladder	0 0 1	0 0 1	0 0 0 0 1	0 0 1	0 0 1	1 1 1 0 0 0 0 1	0 0 1	0 0 1	1 1 0 0 1 1	0 1 1 1 0
Weir Depths NSE-1 NSE-2 SPE-1 SPE-2 SSE-1 SSE-2 (feet above sill) CRITERIA POINTS: NO Channel Velocities Differentials North Fish Ladder Ladder Exit	0 0 1	0 0 1	0 0 0 0 1	0 0 1	0 0 1	1 1 1 0 0 0 0 1	0 0 1	0 0 1	1 1 0 0 1 1 1	0 1 1 1 0 0
Weir Depths NSE-1 NSE-2 SPE-1 SPE-2 SSE-1 SSE-2 (feet above sill) CRITERIA POINTS: NO Channel Velocities Differentials North Fish Ladder	0 0 1	0 0 1	0 0 0 0 1	0 0 1	0 0 1	1 1 1 0 0 0 0 1	0 0 1	0 0 1	1 1 0 0 1 1	0 1 1 1 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)										

Ladder Exit										
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station		U	U	U	U	U	U	U	U	U
North Ladder Differential	ls (0 11 - 0 2 too	low)								
Ladder Exit	13 (0.11 - 0.2 100	1011)								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station		· ·			· ·	, and the second	, and the second		V	Ŭ
North Ladder Differential	ls (0.01 - 0.1 too	low)								
Ladder Exit		,								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station										
North Ladder Differential	ls (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 Differential	ls (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 Differential	ls (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 Differential	s (more than 0.2	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	U	U	U	U	U	U	U	U	U	U
South Ladder Differentials (0.01 - 0.1 too low	d									
Ladder Exit)									
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station				<u> </u>		<u> </u>	<u> </u>	<u> </u>	<u> </u>	
South Ladder Differentials (0.01 - 0.1 too hig	h)									
Ladder Exit	0	0	0	0	0	0	0	0	0	0
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 hig	h)									
Ladder Exit	0	0	0	0	0	0	0	0	0	0
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 to	o high	1)								
Ladder Exit	0	0	0	0	0	0	0	0	0	0
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
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
CI I/E I A DISC ALL (201 210)										
Channel/Tailwater Differentials (2.01 - 2.10)	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse South Shore	0	0	0	0	0	0	0	0	0	0
South Shore	U	U	U	U	U	U	U	U	U	U
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 Flowerhouse South Shore		0	0	0	0	0	0	0	0	0
South Shore	U	U	0	U	U	U	U	U	U	J
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
South Shore	U	U	U	J	- 0	J	U	J	0	U

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 App	lic.								
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
	Not									
SSE-2 (set 6 ft above sill)	App	lıc.								
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 App	lic.								

CHAN'L VELOCITIES (N);	APPENDIX 1 (CONTINUED).	LOWER MONUM	ENTAL A	DULT FI	SHWAY I	NSPECTI	IONS	2023			
	DATES:	16-Oct	18-Oct	19-Oct	23-Oct	24-Oct	25-Oct	31-Oct	1-Nov	2-Nov	6-Nov
North Fish Ladder	CHAN'L VELOCITIES (N):	2.6	2.6	2.7	2.4	2.5	2.5	2.4	2.5	2.4	2.4
North Fish Ladder	Turbidity	5.5	4.7	5.2	5.4	5.5	5.4	5.7	5.5	5.5	5.6
North Fish Ladder											
Forebay: SGTN	ELEVATIONS:										
Exit Pool: SGIN	North Fish Ladder										
Miscup Diffuser SQZN	· · · · · · · · · · · · · · · · · · ·	538.5		539.0		538.9					
U.S. Pickered Leades GGAN											
South Fish Ladder	· · · · · · · · · · · · · · · · · · ·										
South Fish Ladder											
Forebay: SG18		467.9	468.0	468.0	468.0	468.0	467.9	467.9	467.9	467.9	467.9
Exit Pool: SG4S											
Makeup Diffuser: SG2S											
U.S. Picketed Leads: SG3S 534.2 534.2 534.1 440.4 440.4 440.6 440.4 440.6 440.4 440.6 440.4 440.6 440.1											
DS Picketed Leads: SG2S 534.1 440.0 440.3 440.6 440.4 440.4 440.4 440.4 440.5 44											
Collection Channels											
North Shore: SGION		534.1	534.1	534.1	534.1	534.1	534.1	534.1	534.1	534.0	534.1
South Powerhouse: SG12N											
South Shore: Channel CES											
Tailwater North Shore: SG6N 438.9 438.8 438.8 438.8 439.0 438.8 438.6 439.3 438.7 439.0 439.5 439.5 438.6 439.2 2439.5 438.6 439.2 2439.5 438.6 439.2 2439.5 438.6 439.2 2439.5 438.6 439.2 2439.5 2438.5 2439.2 2439.5 2438.5 2439.2 2439.5 2438.5 2439.2											
North Shore: SG6N 438.9 438.8 438.8 438.8 439.0 438.8 439.0 438.8 439.0 438.6 439.2 439.5 438.6 439.2		440.3	440.2	440.2	440.3	440.4	440.4	440.4	440.5	440.1	440.2
South Powerhouse: SG9N 438.9 439.0 438.8 439.1 439.0 439.2 439.5 438.6 439.2		420.0	420.0	420.0	420.0	420.0	420.0	120.6	420.2	420.5	120.0
South Shore: Tailwater TWS											
NSE-1											
NSE-1		438.9	438.7	438.7	438.8	439.1	439.0	439.1	439.1	438.7	439.2
NSE-2		120.0	420.0	420.0	420.7	421.0	420.0	120 5	421.2	420.7	421.0
SPE-1 432.0 <th< td=""><th></th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>											
SPE-2 432.0 60.0 6.											
SSE-1 431.0 60.0 6.0											
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											
North Fish Ladder Ladder Exit Counting Station Counting Statio											
North Fish Ladder Ladder Exit O.1 O.3 O.2 O.0 O.2 O.2 O.2 O.0 O.1 O.1 O.1 Ladder Weirs O.1 O.2 O.2	· · · · · · · · · · · · · · · · · · ·	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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											
Ladder Weirs 1.1 1.1 1.1 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 0.1 0.2 0.1 0.1 Ladder Exit 0.2 0.1 0.3 0.2 0.1 0.2 0.1 0.1 Ladder Weirs 1.1		0.1	0.3	0.2	0.0	0.2	0.2	0.2	0.0	0.1	0.1
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 0.1 0.1 Ladder Weirs 1.1 1.2 1.1 1.0 1.1 1.1 1.1 1.2 1.1 1.0 1.1 1.1 1.1 1.2 1.1 1.0 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 <td< td=""><th></th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>											
South Fish Ladder Ladder Exit 0.2 0.1 0.3 0.2 0.1 0.2 0.1 0.1 Ladder Weirs 1.1 1.2 1.1 1.0 1.1 1.1 1.1 1.2 1.1 1.0 1.1 1.1 1.1 1.2 1.1 1.0 1.1 1.1 1.1 1.2 1.1 1.0 1.1 1.1 1.1 1.2 1.1 1.0 1.1 1.1 1.1 1.2 1.1 1.0 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1											
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 1.2 1.1 1.0 1.1 1.1 1.1 1.2 1.1 1.0 1.1 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 1.5 1.3 1.4 1.3 1.4 1.4 1.0 Weir Depths NSE-1 8.0 8.0 8.1 8.0 8.0 8.5 8.5 8.3<							***	V	V.=	· · -	V
Ladder Weirs 1.1 1.1 1.1 1.1 1.1 1.1 1.1 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 1.3 1.4 2.0 1.1 1.3 1.4 1.4 1.2 1.1 1.0 1.1 <t< td=""><th></th><td>0.2</td><td>0.1</td><td>0.3</td><td>0.2</td><td>0.1</td><td>0.2</td><td>0.1</td><td>0.2</td><td>0.1</td><td>0.1</td></t<>		0.2	0.1	0.3	0.2	0.1	0.2	0.1	0.2	0.1	0.1
Counting Station 0.1 0.1 0.0 0.1 1.1 1.1 1.3 1.4 1.4 1.0 1.1 <th></th> <td></td>											
Collection Channels North Shore 1.3 1.4 1.5 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 8.5 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											
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 8.0 8.0 8.0 8.1 8.0 8.8 8.1 8.1 8.0 8.0 NSE-1 8.0 8.0 8.2 8.4 8.0 8.0 8.5 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											
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 8.5 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	North Shore	1.3	1.4	1.5	1.3	1.3	1.4	2.0	1.1	1.3	1.4
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 8.5 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	South Powerhouse	1.1							1.1		
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 8.5 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	South Shore	1.4	1.5	1.5	1.5	1.3	1.4	1.3	1.4	1.4	1.0
NSE-2 8.0 8.0 8.2 8.4 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	Weir Depths										
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	NSE-1	8.0	8.0	8.0	8.1	8.0	8.8	8.1	8.1	8.0	8.0
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	NSE-2	8.0	8.0	8.2	8.4	8.0	8.0	8.0	8.5	8.5	8.3
SSE-1 7.9 7.7 7.8 8.1 8.0 8.0 8.1 7.7 8.2	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-2 (feet above sill) 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0	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	125	LLS	ILS	LLS	ILS	ILS	ILS	LLS	LLS	125
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
Collection Channels					1	1	1	1	1	1
NI 41 01					1	1	1	1	1	1
North Shore	1	1	1	1	1	1	1	1	1	1
South Powerhouse	1 1	1 1	1 1	1 1	1 1	1 1 1	1 1 1	1 1 1		1 1 1
	1 1 1	1 1 1		1 1 1	1 1 1		1 1 1 1	1 1 1 1	1	1 1 1
South Powerhouse	1 1 1	1 1 1		1 1 1	1 1 1		1 1 1 1	1 1 1 1	1 1	1 1 1
South Powerhouse South Shore	1 1 1	1 1 1		1 1 1	1 1 1 1		1 1 1 1	1 1 1 1	1 1	1 1 1 1
South Powerhouse South Shore Weir Depths	1 1 1	1 1 1	1	1 1 1 1	1 1 1 1	1	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1 1 1
South Powerhouse South Shore Weir Depths NSE-1 NSE-2 SPE-1	1 1 1 1 1 0	1 1 1 1 1 0	1 1 1 1 0	1 1 1 1 1 0	1 1 1 1 1 0	1 1 1 1 0	1 1 1 1 1 0	1 1 1 1 1 0	1 1 1 1 1 0	1 1 1 1 1 1 0
South Powerhouse South Shore Weir Depths NSE-1 NSE-2	0	0	1 1 1 1 0 0	0	1 1 1 1 1 0 0	1 1 1 1	1 1 1 1 1 0 0	0	1 1 1 1 1 0 0	1 1 1 1 1 0 0
South Powerhouse South Shore Weir Depths NSE-1 NSE-2 SPE-1 SPE-2 SSE-1			1 1 1 1 0 0			1 1 1 1 0			1 1 1 1 1 0 0	
South Powerhouse South Shore Weir Depths NSE-1 NSE-2 SPE-1 SPE-2	0	0	1 1 1 1 0 0	0		1 1 1 1 0 0		0	1 1 1 1 1 0 0	
South Powerhouse South Shore Weir Depths NSE-1 NSE-2 SPE-1 SPE-2 SSE-1 SSE-2 (feet above sill)	0	0	1 1 1 1 0 0	0		1 1 1 1 0 0		0	1 1 1 1 1 0 0	
South Powerhouse South Shore Weir Depths NSE-1 NSE-2 SPE-1 SPE-2 SSE-1 SSE-2 (feet above sill) CRITERIA POINTS: NO	0 0 1	0 0 1	1 1 1 1 0 0 0	0 0 1	0 1 1	1 1 1 1 0 0 1 1	0 1 1	0 1 1	1 1 1 1 1 0 0 0	0 1 1
South Powerhouse South Shore Weir Depths NSE-1 NSE-2 SPE-1 SPE-2 SSE-1 SSE-2 (feet above sill) CRITERIA POINTS: NO Channel Velocities	0	0	1 1 1 1 0 0	0		1 1 1 1 0 0		0	1 1 1 1 1 0 0	
South Powerhouse South Shore Weir Depths NSE-1 NSE-2 SPE-1 SPE-2 SSE-1 SSE-2 (feet above sill) CRITERIA POINTS: NO Channel Velocities Differentials	0 0 1	0 0 1	1 1 1 1 0 0 0	0 0 1	0 1 1	1 1 1 1 0 0 1 1	0 1 1	0 1 1	1 1 1 1 1 0 0 0	0 1 1
South Powerhouse South Shore Weir Depths NSE-1 NSE-2 SPE-1 SPE-2 SSE-1 SSE-2 (feet above sill) CRITERIA POINTS: NO Channel Velocities Differentials North Fish Ladder	0 0 1	0 0 1	1 1 1 1 0 0 0 0 1	0 0 1	0 1 1 1	1 1 1 1 0 0 0 1 1	0 1 1 1	0 1 1 1	1 1 1 1 1 0 0 0 0	0 1 1 1
South Powerhouse South Shore Weir Depths NSE-1 NSE-2 SPE-1 SPE-2 SSE-1 SSE-2 (feet above sill) CRITERIA POINTS: NO Channel Velocities Differentials North Fish Ladder Ladder Exit	0 0 1	0 0 1	1 1 1 1 0 0 0 0 1	0 0 1	0 1 1 0 0	1 1 1 1 0 0 0 1 1	0 1 1 1 0 0	0 1 1 0 0	1 1 1 1 1 0 0 0 0 1	0 1 1 1
South Powerhouse South Shore Weir Depths NSE-1 NSE-2 SPE-1 SPE-2 SSE-1 SSE-2 (feet above sill) CRITERIA POINTS: NO Channel Velocities Differentials North Fish Ladder	0 0 1	0 0 1	1 1 1 1 0 0 0 0 1	0 0 1	0 1 1 1	1 1 1 1 0 0 0 1 1	0 1 1 1	0 1 1 1	1 1 1 1 1 0 0 0 0	0 1 1 1

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

North Ladder Differential	s (mana than A	2 too low)								
Ladder Exit	s (more than 0.	2 (00 10W)								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station		<u> </u>	<u> </u>	<u> </u>	<u> </u>		<u> </u>	<u> </u>		, and the second
North Ladder Differentials	s (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	s (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	s (0 <mark>.01 - 0.1 too</mark>	high)								
Ladder Exit	0	0	0	0	0	0	0	0	0	0
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	s (0 <mark>.11 - 0.2 too</mark>	high)								
Ladder Exit	0	0	0	0	0	0	0	0	0	0
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	s (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	s (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	U	U	U	U	U	U	U	U	U	U
South Ladder Differentials (0.01 - 0.1 too low	d									
Ladder Exit)									
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station				<u> </u>		<u> </u>	<u> </u>	<u> </u>	<u> </u>	_
South Ladder Differentials (0.01 - 0.1 too hig	h)									
Ladder Exit	0	0	0	0	0	0	0	0	0	0
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 hig	h)									
Ladder Exit	0	0	0	0	0	0	0	0	0	0
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 to	o high	1)								
Ladder Exit	0	0	0	0	0	0	0	0	0	0
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
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
CI I/E I A DISC ALL (201 210)										
Channel/Tailwater Differentials (2.01 - 2.10)	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse South Shore	0	0	0	0	0	0	0	0	0	0
South Shore	U	U	U	U	U	U	U	U	U	U
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 Flowerhouse South Shore		0	0	0	0	0	0	0	0	0
South Shore	U	U	0	U	U	U	U	U	U	U
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
South Shore	U	U	U	J	- 0	J	U	J	0	U

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	R MONU	MENTAI	ADULT 1	FISHWAY	INSPECT	IONS	2023			
DATES	7-	8-	12.31	14 N	15 N	20 N	21.31	22 N	27.11	20 M
DATES: CHAN'L VELOCITIES (N):	Nov 2.4	Nov 2.5	13-Nov 1.9	14-Nov 2.1	15-Nov 2.1	20-Nov 2.5	21-Nov 2.2	22-Nov 2.4	27-Nov 2.7	28-Nov 2.5
Turbidity	2.4 5.4	5.4	5.6	5.4	5.7	5.5	5.4	5.3	6.2	2.3 6.4
1 ut blaity	3.4	3.4	5.0	3.4	3.7	3.3	J. 4	3.3	0.2	0.4
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	120.0	120.2	420.5	120.4	120.0	120.4	420.0	420.7	420.0	421.1
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 SPE-2	432.0 432.0	432.0 432.0	432.0 432.0	432.0 432.0						
SSE-1	431.0	431.2	432.0	431.0	432.0	432.0	432.0	432.0	431.0	432.0
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:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
North Fish Ladder										
Ladder Exit	0.1	0.0	0.1	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									
Differentials	TES	TLS	TES	TLS	TLS	TES	TLS	TLS	TLS	LLS
North Fish Ladder										
Ladder Exit	YES									
Ladder Weirs	YES									
Counting Station	YES									
South Fish Ladder	115	TES	125	TES	TES	125	TES	TLS	TLS	LES
Ladder Exit	YES									
Ladder Weirs	YES									
Counting Station	YES									
Collection Channels	125	TES	125	TES	TES	125	TES	TLS	TES	125
North Shore	YES									
South Powerhouse	YES									
South Towerhouse South Shore	YES									
Weir Depths	TES	TLS	TES	TLS	TLS	TES	TLS	TLS	TLS	LLS
NSE-1	YES									
NSE-2	YES									
SPE-1	SILL									
SPE-2	SILL									
SSE-1	SILL	YES	SILL	SILL	SILL	YES	SILL	SILL	SILL	YES
SSE-2 (feet above sill)	YES									
CRITERIA POINTS: YES	1123	1123	1123	1123	1123	1123	1123	TES	TES	TES
Channel Velocities	1	1	1	1	1	1	1	1	1	1
Differentials	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	i	1	i	1	1	i	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 Differential	s (more than 0.	2 too low)								
Ladder Exit										
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station										
North Ladder Differential	s (0.11 - 0.2 too	low)								
Ladder Exit										
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station										
North Ladder Differential	s (0.01 - 0.1 too	low)								
Ladder Exit										
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station										
North Ladder Differential	s (0 <mark>.01 - 0.1 too</mark>	high)								
Ladder Exit	0	0	0	0	0	0	0	0	0	0
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 Differential	s (0 <mark>.11 - 0.2 too</mark>	high)								
Ladder Exit	0	0	0	0	0	0	0	0	0	0
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 Differential	s (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	s (more than 0.2	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	U	U	U	U	U	U	U	U	U	U
South Ladder Differentials (0.01 - 0.1 too low	d									
Ladder Exit)									
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station				<u> </u>		<u> </u>	<u> </u>	<u> </u>	<u> </u>	
South Ladder Differentials (0.01 - 0.1 too hig	h)									
Ladder Exit	0	0	0	0	0	0	0	0	0	0
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 hig	h)									
Ladder Exit	0	0	0	0	0	0	0	0	0	0
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 to	o high	1)								
Ladder Exit	0	0	0	0	0	0	0	0	0	0
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
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
CI I/E I A DISC ALL (201 210)										
Channel/Tailwater Differentials (2.01 - 2.10)	0	0	0	0	0	0	0	0	0	0
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse South Shore	0	0	0	0	0	0	0	0	0	0
South Shore	U	U	U	U	U	U	U	U	U	U
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 Flowerhouse South Shore		0	0	0	0	0	0	0	0	0
South Shore	U	U	0	U	U	U	U	U	U	J
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
South Shore	U	U	U	J	- 0	J	U	J	0	U

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	MONUME	NTAL A	DULT F	ISHWAY	INSPECT	ΓIONS	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	440.5	120.6	440.0	440.1	440.4	440.0	440.6	440.2	440.2	440.0
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	420.2	420.2	420.6	420.0	420.7	420.5	420.4	420.6	420.0	420.0
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 Entrance Weirs	439.1	438.4	439.0	438.4	438.9	438.9	438.6	438.2	438.2	438.6
NSE-1	431.3	430.3	431.4	430.7	430.7	430.5	431.4	430.4	430.7	430.4
NSE-2	431.3	430.3	431.4	430.7	430.7	430.3	431.4	430.4	430.7	430.4
SPE-1	431.0	432.0	432.0	430.3	430.4	430.3	431.2	430.2	430.3	430.7
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:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
North Fish Ladder										
Ladder Exit	0.1	0.2	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									
Differentials	TES	TES	ILS	ILS	115	TES	ILS	LLS	125	LLS
North Fish Ladder										
Ladder Exit	YES									
Ladder Weirs	YES									
Counting Station	YES									
South Fish Ladder										
Ladder Exit	YES									
Ladder Weirs	YES									
Counting Station	YES									
Collection Channels										
North Shore	YES									
South Powerhouse	YES									
South Shore	YES									
Weir Depths										
NSE-1	YES									
NSE-2	YES									
SPE-1	SILL									
SPE-2	SILL									
SSE-1	YES	SILL	YES	SILL						
SSE-2 (feet above sill)	YES									
CRITERIA POINTS: YES	125	125	125	125	125	125	125	120	125	125
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

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

NY										
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	U	U	U	U	U	U	U	U	U	U
North Ladder Differentials (0.11 0.2 40	a law)								
Ladder Exit	0.11 - 0.2 100) IOW)								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	U	U	U	U	U	U	U	U	U	U
North Ladder Differentials (0.01 0.1 to	a low)								
Ladder Exit	0.01 - 0.1 100) low)								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	· ·	<u> </u>	· ·	· ·	· ·		· ·	· ·		U
North Ladder Differentials (0.01 0.1 tox	high)								
Ladder Exit	0.01 - 0.1 100) nign) ()	0	0	0	0	0	0	0	0
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 (· ·			, and the second		U			· ·	V
Ladder Exit	0	0	0	0	0	0	0	0	0	0
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 (1	· ·	.2 too high)	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
South Ladder Differentials (1	more than 0	.2 too low)								
Ladder Exit		,								
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station										

Ladder Exit 0 0 0 0 0 0		
	0	0 0
Counting Station	U	U
South Ladder Differentials (0.01 - 0.1 too low)		
Ladder Exit		
Ladder Weirs 0 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
Counting Station 0 0 0 0 0 0	0	0 0
South Ladder Differentials (0.11 - 0.2 too high)		
Ladder Exit 0 0 0 0 0 0	0	0 0
Ladder Weirs 0 0 0 0 0 0	0	0 0
Counting Station 0 0 0 0 0 0	0	0 0
South Ladder Differentials (more than 0.2 too high)		
Ladder Exit 0 0 0 0 0 0	0	0 0
Ladder Weirs 0 0 0 0 0 0 0	0	0 0
Counting Station 0 0 0 0 0	0	0 0
Channel/Tailwater Differentials (<0.80)		
North Shore 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
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
Channel/Tailwater Differentials (0.90 - 0.99):	0	0 0
North Shore 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	$egin{pmatrix} 0 & 0 \\ 0 & 0 \end{pmatrix}$
	0	0 0
South Shore 0 0 0 0 0 0 0	U	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 Flore 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
Channel/Tailwater Differentials (>2.20)		
	0	0 0
North Shore 0 0 0 0 0 0 0		
South Powerhouse 0 0 0 0 0 0 0 0 0	0	0 0

Entrance Weir Depths (more than 0.2 too lov	w)									
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:	APPENDIX 1 (CONTINUED). LO ADULT FISHWAY INSPECTION		NUMENT	ΓAL		
CHAN'L VELOCITIES (N): 2.6 1.0 1.8 5.7 5.8	ADULT FISHWAT INSI ECTION	_	27-	28-		
Section Sect	DATES:	_				
ELEVATIONS: North Fish Ladder Forebay: SG7N 539.0 539.0 538.8 539.6 536.9 536.9	CHAN'L VELOCITIES (N):	2.6	1.0	1.8		
North Fish Ladder	Turbidity	5.7	5.7	5.8		
Forebay: SG7N	ELEVATIONS:					
Exit Pool: SGIN 538.7 538.8 538.6 539.4 536.8	North Fish Ladder				Max	Min
Makeup Diffuser: SG2N	Forebay: SG7N	539.0	539.0	538.8	539.6	536.9
U S Picketed Leads: SG3N D S Picketed Leads: SG4N 468.0 468.0 468.0 468.0 468.0 468.1 467.9 South Fish Ladder Forebay: SG1S 539.0 539.0 539.0 538.8 539.6 536.8 Exit Pool: SG4S Makeup Diffuser: SG2S 534.1 534.1 534.1 534.2 533.8 D S Picketed Leads: SG3S D S S34.2 D S Picketed Leads: SG2S 534.1 534.1 534.1 534.2 533.8 D S Picketed Leads: SG2S 534.1 534.1 534.1 534.2 533.8 Collection Channels North Shore: SG1DN 439.8 440.3 440.2 446.1 438.5 South Powerhouse: SG1DN 439.8 440.3 440.2 444.6 446.6 438.1 Tailwater North Shore: SG6N 438.6 439.9 439.7 440.6 446.6 446.6 438.1 Tailwater North Shore: Tailwater TWS 438.5 438.6 439.0 439.0 445.1 437.1 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-1 430.6 430.7 430.9 432.0 436.0 432.0 432.0 436.0 432.0 SSE-1 431.0 431.0 431.0 431.0 432.0 432.0 435.1 435.1 436.0 432.0 SSE-2 432.0 432.0 432.0 436.0 432.0 435.1 436.0 432.0 SSE-2 432.0 432.0 436.0 432.0 436.0 432.0 SSE-2 432.0 432.0 436.0 436.0 432.0 SSE-2 432.0 432.0 436.0 436.0 432.0 SSE-2 432.0 432.0 436.0 432.0 SSE-2 432.0 432.0 436.0 432.0 436.0 432.0 SSE-2 432.0 436.0 432.0 436.0 432.0 SSE-2 432.0 436.0 432.0 436.0 432.0 SSE-2 430.0 432.0 436.0 432.0 SSE-2 430.0 432.0 436.0 432.0 SSE-2 430.0 430.0 432.0 436.0 432.0 436.0 432.0 436.0 432.0 SSE-2 430.0 43	Exit Pool: SG1N	538.7	538.8	538.6	539.4	536.8
D S Picketed Leads: SG4N 468.0 468.0 468.0 468.1 467.9	Makeup Diffuser: SG2N	534.1	534.1	534.2	534.3	534.0
South Fish Ladder	U S Picketed Leads: SG3N	468.2	468.2	468.2	468.2	467.9
Forebay: SG1S	D S Picketed Leads: SG4N	468.0	468.0	468.0	468.1	467.9
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 North Shore: SG10N 439.8 440.3 440.2 446.1 438.5 South Powerhouse: SG12N 439.7 439.8 440.2 446.6 438.1 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 Shore: Tailwater TWS 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-1 431.0 431.0 431.3 435.1 431.1 SSE-2 (feet above sill) 6.0 6.0 6.0 9.0 3.5 DIFFERENTIALS/DEPTHS: North Fish Ladder Ladder Exit 0.2 0.2 0.2 0.3 0.0 South Fish Ladder Ladder Weirs 1.1 1.1 1.2 1.3 1.0 Counting Station 0.1 0.1 0.0 0.2 0.0 Collection Channels North Shore 1.2 1.3 1.2 2.0 0.0 Collection Channels North 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-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 6.7 2 8.9 5.1	South Fish Ladder					
Makeup Diffuser: SG2S	Forebay: SG1S	539.0	539.0	538.8	539.6	536.8
Makeup Diffuser: SG2S	-					536.8
US Picketed Leads: SG3S D S Picketed Leads: SG2S S34.1 S34.2 S34.1 S34.1 S34.1 S34.2 S33.8 D S Picketed Leads: SG2S S34.1 S34.1 S34.1 S34.2 S33.8 Collection Channels North Shore: SG10N A39.8 A40.2 A440.2 A446.1 A38.5 South Powerhouse: SG12N A39.7 A49.8 A40.2 A446.6 A48.8 A38.4 South Shore: Channel CES A39.9 A39.7 A40.6 A46.6 A48.1 A37.1 South Powerhouse: SG9N A38.6 A38.6 A39.0 A39.0 A445.1 A37.1 A37.1 South Powerhouse: SG9N A38.6 A38.6 A39.2 A444.8 A37.1 South Shore: Tailwater TWS A38.5 Entrance Weirs NSE-1 A30.6 A30.7 A30.9 A30.9 A45.1 A30.6 A37.0 A429.0 SPE-1 A30.0 BSE-2 A30.0 A3						533.8
D S Picketed Leads: SG2S 534.1 534.1 534.2 533.8						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 438.6 439.0 449.0 445.1 437.1 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 Total Station 430.6 430.7 430.9 436.9 429.0 NSE-1 430.6 430.7 430.9 436.0 437.0 429.0 SPE-1 432.0 432.0 432.0 432.0 436.0 432.0 SPE-2 432.0 432.0 432.0 436.0 432.0 SSE-1 431.0 431.0 431.3 435.1 431.0 Ladder Exit 0.2						533.8
North Shore: SG10N		1 - 11 -				
South Powerhouse: SG12N	North Shore: SG10N	439.8	440.3	440.2	446.1	438.5
South Shore: Channel CES						
North Shore: SG6N						
North Shore: SG6N			.57.7			.50.1
South Powerhouse: SG9N 438.6 438.6 439.2 444.8 437.1 436.5		438.6	439.0	439.0	445.1	437.1
South Shore: Tailwater TWS						
NSE-1						
NSE-1		150.5	.50.5	,		.50.5
NSE-2		430.6	430.7	430.9	436.9	429.0
SPE-1 432.0 432.0 432.0 436.0 432.0 SPE-2 432.0 432.0 436.0 432.0 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 0.0 0.2 0.4 0.0 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 0.8 South Powerhouse 1.1 1.2 1.0 2.0 0.8 South Shore 1.4 1.4 1.4 1.3 3						
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 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 0.8 South Shore 1.4 1.4 1.3 3.5 1.0 Weir Depths 8.0 8.3 8.1 9.2 7.8 NSE-1 8.0 8.3 8.4 9.1 7.5 SPE-1 6.6 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
A31.0						
SSE-2 (feet above sill) 6.0 6.0 6.0 9.0 3.5 DIFFERENTIALS/DEPTHS: North Fish Ladder 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 0.0 0.2 0.4 0.0 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 0.1 0.1 0.0 0.2 0.0 North Shore 1.2 1.3 1.2 2.0 0.8 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 8.0 8.3 8.1 9.2 7.8 NSE-1 8.0 8.3 8.4 9.1 7.5 SPE-1 6.6 6.6 6.6 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
DIFFERENTIALS/DEPTHS: North Fish Ladder 0.3 0.2 0.2 0.4 -0.2 Ladder Exit 0.1 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 0.2 0.0 0.2 0.4 0.0 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 0.1 0.1 0.0 0.2 0.0 North Shore 1.2 1.3 1.2 2.0 0.8 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 8.0 8.3 8.1 9.2 7.8 NSE-1 8.0 8.3 8.4 9.1 7.5 SPE-1 6.6 6.6 6.6 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
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 0.2 0.0 0.2 0.4 0.0 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 0.1 0.1 0.0 0.2 0.0 Collection Channels 0.1 1.2 1.3 1.2 2.0 0.8 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 8.0 8.3 8.1 9.2 7.8 NSE-1 8.0 8.3 8.4 9.1 7.5 SPE-1 6.6 6.6 6.6 7.2 8.9 5.1	· · · · · · · · · · · · · · · · · · ·					
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 6.6 7.2 8.8 5.1 SPE-2 6.6 6.6 6.6 7.2 8.9 5.1	North Fish Ladder					
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 0.2 1.3 1.2 2.0 1.0 South Shore 1.1 1.2 1.0 2.0 0.8 South Shore 1.4 1.4 1.3 3.5 1.0 Weir Depths 0.8 0.9 0.9 0.9 0.9 <	Ladder Exit	0.3	0.2	0.2	0.4	-0.2
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 0.1 0.1 0.0 0.2 0.0 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 6.6 7.2 8.8 5.1 SPE-2 6.6 6.6 6.6 7.2 8.9 5.1	Ladder Weirs					
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 0.1 0.1 0.0 0.2 0.0 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 6.6 7.2 8.8 5.1 SPE-2 6.6 6.6 6.6 7.2 8.9 5.1	Counting Station	0.2		0.2		
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 6.6 7.2 8.8 5.1 SPE-2 6.6 6.6 6.6 7.2 8.9 5.1	_					
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		0.2	0.0	0.2	0.4	0.0
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 6.6 7.2 8.8 5.1 SPE-2 6.6 6.6 6.6 7.2 8.9 5.1						
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 8.0 8.3 8.1 9.2 7.8 NSE-1 8.0 8.3 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						
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	- U					
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 8.0 8.3 8.1 9.2 7.8 NSE-1 8.0 8.3 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		1.2	1.3	1.2	2.0	1.0
South Shore 1.4 1.4 1.3 3.5 1.0 Weir Depths 8.0 8.3 8.1 9.2 7.8 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						
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						
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	Weir Depths					
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	•	8.0	8.3	8.1	9.2	7.8
SPE-1 6.6 6.6 7.2 8.8 5.1 SPE-2 6.6 6.6 7.2 8.9 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:			
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	
Differentials			
North Fish Ladder			
Ladder Exit	0	0	
Ladder Weirs	0	0	
Counting Station	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 to	o low)		
Ladder Exit				
Ladder Weirs	0	0	0	
Counting Station				
North Ladder Differentials (0.01 - 0.1 to	o low)		
Ladder Exit				
Ladder Weirs	0	0	0	
Counting Station				
North Ladder Differentials (0.01 - 0.1 to	o high)		
Ladder Exit	0	0	0	
Ladder Weirs	0	0	0	
Counting Station	0	0	0	
North Ladder Differentials (0.11 - 0.2 to	o 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	h)		
Ladder Exit	0	0	0
Ladder Weirs	0	0	0
Counting Station	0	0	0
South Ladder Differentials (0.11 - 0.2 too high	h)		
Ladder Exit	0	0	0
Ladder Weirs	0	0	0
Counting Station	0	0	0
South Ladder Differentials (more than 0.2 to	o hig	h)	
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)			0
North Shore South Powerhouse	0	0	0
South Shore	0	0	0
South Shore	U	0	U
Channel/Tailwater Differentials (0.90 - 0.99):			
North Shore	0	0	0
South Powerhouse	0	0	0
South Shore	0	0	0
South Shore		· ·	- U
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)			

		Total No.	
CRITERIA POINTS:	No. of	of	
YES	YES	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
Ladder Weirs	0
Counting Station	0
South Fish Ladder	
Ladder Exit	0
Ladder Weirs	1
Counting Station	0
Collection Channels	
North Shore	0
South Powerhouse	1
South Shore	1
Weir Depths	
NSE-1	1
NSE-2	3
SPE-1	0
SPE-2	0
SSE-1	5
SSE-2 (feet above sill)	3

CRITERIA POINTS: SILL	No. of SILL
Weir Depths	
NSE-1	5
NSE-2	8
SPE-1	137
SPE-2	137

SSE-1

SSE-2 (feet above sill) Not Applic.

Numbers in green below should add to numbers in green

Numbers in yellow below should add to numbers in yellow

101

Not applicable.

Not applicable.

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

North Ladder Differentials (0.01 - 0.1 too low)

Counting Station

Ladder Exit Not applicable. Ladder Weirs

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

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

0.0 0.0 0.0

0.0

0.6 0.0

0.0 0.6 0.6

0.6 1.8

0.0 0.0 3.0

% SILL

1.8

3.0 4.9 83.5 83.5 61.6 Not

Applic.

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)
	Not
Ladder Exit	applicable.
Ladder Weirs	0
Counting Station	Not applicable.
Counting Station South Lodder Differentials (0.11 0.2 to a low)	аррисаоте.
South Ladder Differentials (0.11 - 0.2 too low)	Not
Ladder Exit	applicable.
Ladder Weirs	1
	Not
Counting Station	applicable.
South Ladder Differentials (0.01 - 0.1 too low)	
Luddan Paik	Not
Ladder Exit Ladder Weirs	applicable.
Ladder weirs	Not
Counting Station	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
50 4.11 5.1101 0	
Channel/Tailwater Differentials (0.80 - 0.89)	
North Shore	0
South Powerhouse	1
South Shore	0
South Shore	
Channel/Tailwater Differentials (0.90 - 0.99):	
North Shore	0
South Powerhouse	0
South Shore	0
Journ Shore	
Channel/Tailwater Differentials (2.01 - 2.10)	
North Shore	0
South Powerhouse	0
South Shore	0
South Shore	

North Ladder Differentials (0.11 - 0.2 too high)	ı
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	
Ladda, Fair	Not
Ladder Exit Ladder Weirs	applicable.
Ladder Wells	Not
Counting Station	applicable.
South Ladder Differentials (0.11 - 0.2 too low)	
T 11 P 2	Not
Ladder Exit	applicable.
Ladder Weirs	0 Not
Counting Station	applicable.
South Ladder Differentials (0.01 - 0.1 too low)	
	Not
Ladder Exit	applicable.
Ladder Weirs	0 Not
Counting Station	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	
Ladder Exit Ladder Weirs	$\begin{bmatrix} 0 \\ 0 \end{bmatrix}$
	0
Counting Station Channel/Tailwater Differentials (<0.80)	U
North Shore	0
South Powerhouse	0
South Shore	0
50444 54614	
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