

APPENDIX 1. LOWER MONUMENTAL ADULT FISHWAY INSPECTIONS

2012

DATES:	1-Mar	5-Mar	6-Mar	7-Mar	8-Mar	12-Mar	13-Mar	14-Mar	15-Mar	19-Mar
CHAN'L VELOCITIES (N):	1.5	1.5	1.5	1.7	1.6	1.7	1.8	1.5	1.7	2
ELEVATIONS:										
North Fish Ladder										
Forebay	539.4	539.3	539.0	539.3	539.6	539.5	538.2	538.6	538.6	539.3
Exit Pool	539.3	539.2	538.9	539.2	539.5	539.3	538.2	538.6	538.6	539.2
Makeup Diffuser	534.1	534.1	534.1	534.1	534.1	534.1	534.1	534.1	534.1	534.1
U S Picketed Leads	467.9	467.9	468.0	468.0	468.0	468.0	467.9	468.0	468.0	468.0
D S Picketed Leads	467.9	467.9	468.0	467.9	467.9	467.9	467.8	467.9	467.9	467.9
South Fish Ladder										
Forebay	539.3	539.3	539.0	539.3	539.6	539.4	538.0	538.8	538.6	539.4
Exit Pool	539.2	539.2	538.9	539.2	539.4	539.3	538.0	538.6	538.5	539.1
Makeup Diffuser	534.1	534.1	534.1	534.1	534.1	534.1	534.1	534.1	534.1	534.1
U S Picketed Leads	534.1	534.1	534.1	534.1	534.1	534.1	534.1	534.1	534.1	534.1
D S Picketed Leads	534.1	534.1	534.1	534.1	534.1	534.1	534.1	534.1	534.1	534.1
Collection Channels										
North Shore	440.7	440.6	440.7	440.6	440.6	441.5	441.5	441.2	440.7	441.5
South Powerhouse	440.5	440.2	440.6	440.5	440.4	441.3	441.3	441.1	440.6	441.1
South Shore	440.7	440.2	440.7	440.5	440.4	440.9	441.5	441.1	440.5	441.2
Tailwater										
North Shore	439.5	439.4	439.5	439.5	439.4	440.2	440.3	440.1	439.6	440.2
South Powerhouse	439.5	439.2	439.5	439.4	439.4	440.0	440.3	440.1	439.5	440.1
South Shore	439.5	439.0	439.7	439.4	439.4	439.8	440.4	440.0	439.4	440.1
Entrance Weirs										
NSE-1	431.5	431.3	431.5	431.4	431.3	432.2	432.3	432.1	431.5	432.2
NSE-2	431.4	431.3	431.5	431.4	431.3	432.2	432.3	432.1	431.4	432.2
SPE-1	432.0	432.0	432.0	432.0	432.0	432.0	432.1	432.0	432.0	432.0
SPE-2	432.0	432.0	432.0	432.0	432.0	432.0	432.3	432.0	432.0	432.1
SSE-1	431.4	431.0	431.6	431.3	431.3	431.7	432.3	431.9	431.4	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:										
North Fish Ladder										
Ladder Exit	0.1	0.1	0.1	0.1	0.1	0.2	0.0	0.0	0.0	0.1
Ladder Weirs	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Counting Station	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
South Fish Ladder										
Ladder Exit	0.1	0.1	0.1	0.1	0.2	0.1	0.0	0.2	0.1	0.3
Ladder Weirs	1.1	1.1	1.1	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	1.2	1.2	1.2	1.1	1.2	1.3	1.2	1.1	1.1	1.3
South Powerhouse	1.0	1.0	1.1	1.1	1.0	1.3	1.0	1.0	1.1	1.0
South Shore	1.2	1.2	1.0	1.1	1.0	1.1	1.1	1.1	1.1	1.1
Weir Depths										
NSE-1	8.0	8.1	8.0	8.1	8.1	8.0	8.0	8.0	8.1	8.0
NSE-2	8.1	8.1	8.0	8.1	8.1	8.0	8.0	8.0	8.2	8.0
SPE-1	7.5	7.2	7.5	7.4	7.4	8.0	8.2	8.1	7.5	8.1
SPE-2	7.5	7.2	7.5	7.4	7.4	8.0	8.0	8.1	7.5	8.0
SSE-1	8.1	8.0	8.1	8.1	8.1	8.1	8.1	8.1	8.0	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

APPENDIX 1 (CONTINUED). LOWER MONUMENTAL ADULT FISHWAY INSPECTIONS

2012

DATES:	20-Mar	21-Mar	22-Mar	25-Mar	26-May	27-Mar	28-Apr	31-Mar	1-Apr	4-Apr
CHAN'L VELOCITIES (N):	1.9	2	2.1	2.7	2.6	2	1.9	2.1	1.6	2.7
ELEVATIONS:										
North Fish Ladder										
Forebay	539.5	539.5	539.0	539.1	538.7	539.4	539.1	539.5	539.4	538.4
Exit Pool	539.3	539.4	538.8	539.0	538.6	539.4	539.0	539.3	539.2	538.4
Makeup Diffuser	534.1	534.1	534.1	534.1	534.1	534.1	534.1	534.1	534.1	534.2
U S Picketed Leads	468.0	468.0	468.0	468.0	467.9	468.0	468.0	468.1	468.0	468.2
D S Picketed Leads	467.9	467.9	467.9	467.9	467.9	467.9	467.9	467.9	468.0	468.0
South Fish Ladder										
Forebay	539.5	539.5	539.0	539.0	538.6	539.6	539.1	539.5	539.5	538.4
Exit Pool	539.3	539.2	538.8	538.8	538.5	539.3	538.9	539.3	539.2	538.4
Makeup Diffuser	534.1	534.1	534.1	534.1	534.1	534.1	534.1	534.0	534.1	534.0
U S Picketed Leads	534.1	534.1	534.1	534.1	534.1	534.1	534.1	534.1	534.1	534.2
D S Picketed Leads	534.1	534.1	534.1	534.1	534.1	534.1	534.1	534.0	534.1	534.0
Collection Channels										
North Shore	442.1	441.8	441.7	441.5	442.3	444.5	442.6	444.7	444.7	441.3
South Powerhouse	441.9	441.6	441.4	441.3	442.3	444.5	442.3	444.5	444.6	441.1
South Shore	442.0	441.8	441.2	441.3	441.9	444.1	442.3	443.5	443.4	440.6
Tailwater										
North Shore	440.9	440.8	440.5	440.3	441.2	443.4	441.4	443.6	443.5	440.3
South Powerhouse	440.9	440.6	440.3	440.3	441.1	443.2	441.3	443.4	443.5	440.0
South Shore	440.9	440.7	440.2	440.1	440.7	442.9	441.2	442.3	442.3	439.5
Entrance Weirs										
NSE-1	432.8	432.7	432.5	432.2	433.2	435.2	433.4	435.5	435.4	432.1
NSE-2	432.9	432.8	432.4	432.3	433.2	435.4	433.4	435.4	435.5	432.1
SPE-1	432.6	432.4	432.2	432.0	432.9	434.8	433.0	435.1	435.1	432.1
SPE-2	432.8	432.6	432.3	432.2	433.0	435.2	433.2	435.4	435.4	432.0
SSE-1	432.8	432.6	432.1	432.1	432.6	434.9	433.2	434.3	434.2	431.4
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
DIFFERENTIALS/DEPTHS:										
North Fish Ladder										
Ladder Exit	0.2	0.1	0.2	0.1	0.1	0.0	0.1	0.2	0.2	0.0
Ladder Weirs	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2
Counting Station	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.2	0.0	0.2
South Fish Ladder										
Ladder Exit	0.2	0.3	0.2	0.2	0.1	0.3	0.2	0.2	0.3	0.0
Ladder Weirs	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.1	1.0
Counting Station	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.2
Collection Channels										
North Shore	1.2	1.0	1.2	1.2	1.1	1.1	1.2	1.1	1.2	1.1
South Powerhouse	1.0	1.0	1.1	1.0	1.2	1.3	1.0	1.1	1.1	1.1
South Shore	1.1	1.1	1.0	1.2	1.2	1.2	1.1	1.2	1.1	1.1
Weir Depths										
NSE-1	8.1	8.1	8.0	8.1	8.0	8.2	8.0	8.1	8.1	8.1
NSE-2	8.0	8.0	8.1	8.0	8.0	8.0	8.0	8.2	8.0	8.1
SPE-1	8.3	8.2	8.1	8.3	8.2	8.4	8.3	8.3	8.4	7.9
SPE-2	8.1	8.0	8.0	8.1	8.1	8.0	8.1	8.0	8.1	8.0
SSE-1	8.1	8.1	8.1	8.0	8.1	8.0	8.0	8.0	8.1	8.1
SSE-2 (feet above sill)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0

APPENDIX 1 (CONTINUED). LOWER MONUMENTAL ADULT FISHWAY INSPECTIONS

2012

DATES:	5-Apr	6-Apr	7-Apr	8-Apr	9-Apr	11-Apr	13-Apr	14-Apr	15-Apr	17-Apr
CHAN'L VELOCITIES (N):	2	1	1.8	2.2	2.1	2.2	2.5	2.3	2.6	2.1
ELEVATIONS:										
North Fish Ladder										
Forebay	537.8	537.6	537.3	537.3	537.7	537.6	537.7	537.9	537.5	537.6
Exit Pool	537.7	537.6	537.2	537.2	537.6	537.6	537.6	537.9	537.5	537.5
Makeup Diffuser	534.1	534.1	534.1	534.1	534.1	534.2	534.0	534.1	534.1	534.0
U S Picketed Leads	468.0	468.0	468.0	468.0	468.0	468.2	468.0	468.0	467.9	468.0
D S Picketed Leads	467.8	467.9	467.9	467.9	467.9	468.0	467.8	467.9	467.8	467.8
South Fish Ladder										
Forebay	537.8	537.6	537.2	537.4	537.8	537.6	537.8	537.8	537.5	537.6
Exit Pool	537.6	537.4	537.1	537.2	537.6	537.6	537.6	537.8	537.5	537.5
Makeup Diffuser	534.0	534.1	534.0	534.0	534.1	534.0	534.0	534.1	534.1	534.1
U S Picketed Leads	534.1	534.1	534.1	534.1	534.1	534.2	534.1	534.1	534.1	534.1
D S Picketed Leads	534.0	534.1	534.0	534.0	534.1	534.0	534.0	534.1	534.1	534.1
Collection Channels										
North Shore	442.1	440.8	441.7	441.6	440.7	441.1	442.7	442.7	441.9	441.6
South Powerhouse	441.9	440.6	441.4	441.3	440.5	440.9	442.6	442.4	441.5	441.4
South Shore	441.5	440.1	440.8	440.6	439.8	440.1	442.1	442.1	441.1	441.0
Tailwater										
North Shore	441.1	440.6	440.4	440.3	439.4	439.8	441.6	441.6	440.7	440.5
South Powerhouse	440.9	440.6	440.3	440.2	439.3	439.6	441.5	441.4	440.5	440.4
South Shore	440.3	439.6	439.7	439.5	438.7	439.0	441.0	441.0	440.1	439.8
Entrance Weirs										
NSE-1	432.9	432.6	432.3	432.2	431.3	431.6	433.5	433.3	432.7	432.5
NSE-2	432.9	432.6	432.3	432.1	431.3	431.6	433.6	433.3	432.7	432.5
SPE-1	432.6	432.1	432.3	432.0	432.0	432.0	433.3	433.2	432.3	432.2
SPE-2	432.6	432.3	432.3	432.1	432.0	432.0	433.5	433.4	432.3	432.4
SSE-1	432.2	431.6	431.6	431.4	431.0	431.0	433.0	432.9	431.9	431.8
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
DIFFERENTIALS/DEPTHS:										
North Fish Ladder										
Ladder Exit	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.1
Ladder Weirs	1.1	1.1	1.1	1.1	1.1	1.2	1.0	1.1	1.1	1.0
Counting Station	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.2
South Fish Ladder										
Ladder Exit	0.2	0.2	0.1	0.2	0.2	0.0	0.2	0.0	0.0	0.1
Ladder Weirs	1.0	1.1	1.0	1.0	1.1	1.0	1.0	1.1	1.1	1.1
Counting Station	0.1	0.0	0.1	0.1	0.0	0.2	0.1	0.0	0.0	0.0
Collection Channels										
North Shore	1.0	0.2	1.3	1.3	1.3	1.3	1.1	1.1	1.2	1.1
South Powerhouse	1.0	0.0	1.1	1.1	1.2	1.3	1.1	1.0	1.0	1.0
South Shore	1.2	0.5	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.2
Weir Depths										
NSE-1	8.2	8.0	8.1	8.1	8.1	8.2	8.1	8.3	8.0	8.0
NSE-2	8.2	8.0	8.1	8.2	8.1	8.2	8.0	8.3	8.0	8.0
SPE-1	8.3	8.5	8.0	8.2	7.3	7.6	8.2	8.2	8.2	8.2
SPE-2	8.3	8.3	8.0	8.1	7.3	7.6	8.0	8.0	8.2	8.0
SSE-1	8.1	8.0	8.1	8.1	7.7	8.0	8.0	8.1	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

APPENDIX 1 (CONTINUED). LOWER MONUMENTAL ADULT FISHWAY INSPECTIONS

2012

DATES:	18-Apr	19-Apr	20-Apr	21-Apr	22-Apr	24-Apr	25-Apr	26-Apr	28-Apr	29-Apr
CHAN'L VELOCITIES (N):	2.6	2.6	2.7	1.6	2.7	2.1	1.7	1.8	1.5	1.7
ELEVATIONS:										
North Fish Ladder										
Forebay	537.8	537.5	537.7	537.6	537.5	537.4	537.5	537.7	537.7	537.9
Exit Pool	537.8	537.4	537.7	537.6	537.4	537.4	537.5	537.6	537.7	537.9
Makeup Diffuser	534.2	534.1	534.1	534.2	534.1	534.1	534.2	534.0	534.1	534.1
U S Picketed Leads	468.2	468.0	468.0	468.0	467.9	468.0	468.0	467.9	468.0	467.9
D S Picketed Leads	468.0	467.8	467.9	467.8	467.8	467.8	467.8	467.8	467.8	467.8
South Fish Ladder										
Forebay	537.8	537.5	537.7	537.6	537.5	537.4	537.5	537.8	537.8	537.9
Exit Pool	537.8	537.4	537.6	537.5	537.4	537.3	537.5	537.7	537.7	537.9
Makeup Diffuser	534.0	534.1	534.1	534.1	534.1	534.1	534.0	534.1	534.0	534.1
U S Picketed Leads	534.2	534.1	534.1	534.1	534.1	534.1	534.0	534.1	534.0	534.1
D S Picketed Leads	534.0	534.1	534.1	534.1	534.1	534.1	534.0	534.1	534.0	534.1
Collection Channels										
North Shore	441.5	441.5	441.9	442.5	442.9	443.8	446.5	446.4	446.3	444.9
South Powerhouse	441.3	441.3	441.5	442.3	442.6	443.8	446.5	446.3	446.3	444.7
South Shore	440.7	440.7	441.0	441.8	442.1	443.1	444.5	444.5	444.3	443.7
Tailwater										
North Shore	440.3	440.3	440.9	441.1	441.8	442.6	445.2	445.3	445.0	443.6
South Powerhouse	440.3	440.3	440.5	441.1	441.5	442.8	445.0	445.2	445.2	443.6
South Shore	439.6	439.6	439.8	440.7	441.0	442.0	443.3	443.3	443.2	442.6
Entrance Weirs										
NSE-1	432.5	432.3	432.6	433.1	433.7	434.5	437.1	437.0	436.9	435.5
NSE-2	432.5	432.3	432.5	433.1	433.8	434.5	437.3	437.0	437.0	435.5
SPE-1	432.3	432.0	432.3	432.9	433.3	434.4	436.9	436.5	436.5	435.1
SPE-2	432.3	432.1	432.4	433.1	433.5	434.4	436.9	436.9	437.0	435.5
SSE-1	431.4	431.6	431.8	432.6	432.9	433.9	435.2	435.3	435.2	434.6
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
DIFFERENTIALS/DEPTHS:										
North Fish Ladder										
Ladder Exit	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0
Ladder Weirs	1.2	1.1	1.1	1.2	1.1	1.1	1.2	1.0	1.1	1.1
Counting Station	0.2	0.2	0.1	0.2	0.1	0.2	0.2	0.1	0.2	0.1
South Fish Ladder										
Ladder Exit	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.0
Ladder Weirs	1.0	1.1	1.1	1.1	1.1	1.1	1.0	1.1	1.0	1.1
Counting Station	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Collection Channels										
North Shore	1.2	1.2	1.0	1.4	1.1	1.2	1.3	1.1	1.3	1.3
South Powerhouse	1.0	1.0	1.0	1.2	1.1	1.0	1.5	1.1	1.1	1.1
South Shore	1.1	1.1	1.2	1.1	1.1	1.1	1.2	1.2	1.1	1.1
Weir Depths										
NSE-1	7.8	8.0	8.3	8.0	8.1	8.1	8.1	8.3	8.1	8.1
NSE-2	7.8	8.0	8.4	8.0	8.0	8.1	7.9	8.3	8.0	8.1
SPE-1	8.0	8.3	8.2	8.2	8.2	8.4	8.1	8.7	8.7	8.5
SPE-2	8.0	8.2	8.1	8.0	8.0	8.4	8.1	8.3	8.2	8.1
SSE-1	8.2	8.0	8.0	8.1	8.1	8.1	8.1	8.0	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

APPENDIX 1 (CONTINUED). LOWER MONUMENTAL ADULT FISHWAY INSPECTIONS

2012

DATES:	30-Apr	2-May	4-May	5-May	6-May	9-May	10-May	11-May	12-May	13-May
CHAN'L VELOCITIES (N):	2.4	1.5	3	1.6	2.8	2.8	2.6	2.8	2.8	3.2
ELEVATIONS:										
North Fish Ladder										
Forebay	537.8	537.6	537.0	537.8	537.4	537.5	537.3	537.5	537.5	537.3
Exit Pool	537.7	537.6	537.0	537.8	537.4	537.5	537.2	537.5	537.5	537.2
Makeup Diffuser	534.1	534.2	534.1	534.1	534.1	534.2	534.1	534.1	534.2	534.1
U S Picketed Leads	467.9	468.0	467.9	468.0	467.9	468.0	467.9	467.9	468.0	468.0
D S Picketed Leads	467.8	467.8	467.8	467.8	467.8	467.8	467.8	467.8	467.8	467.8
South Fish Ladder										
Forebay	537.8	537.6	537.1	537.9	537.5	537.5	537.3	537.6	537.5	537.3
Exit Pool	537.6	537.6	537.1	537.9	537.4	537.5	537.2	537.5	537.5	537.3
Makeup Diffuser	534.1	534.0	534.1	534.1	534.1	534.0	534.1	534.1	534.2	534.1
U S Picketed Leads	534.1	534.2	534.1	534.1	534.1	534.2	534.1	534.1	534.2	534.1
D S Picketed Leads	534.1	534.0	534.1	534.1	534.1	534.0	534.1	534.1	534.2	534.1
Collection Channels										
North Shore	444.3	443.4	441.4	442.4	441.5	441.4	442.5	442.4	441.6	441.5
South Powerhouse	444.1	443.3	441.4	442.1	441.2	441.2	442.2	442.1	441.4	441.1
South Shore	443.6	441.8	440.9	441.6	440.4	440.5	441.4	441.5	440.7	440.8
Tailwater										
North Shore	443.0	442.2	440.3	441.4	440.2	440.1	441.2	441.1	440.1	440.2
South Powerhouse	443.0	441.9	440.4	441.0	440.0	439.9	441.2	441.0	440.4	440.0
South Shore	442.4	440.6	439.9	440.4	439.4	439.4	440.3	440.4	439.5	439.8
Entrance Weirs										
NSE-1	435.0	434.1	432.3	433.0	432.1	432.1	433.1	433.0	432.1	432.0
NSE-2	434.9	434.0	432.3	433.0	432.0	432.0	433.1	433.0	432.2	432.0
SPE-1	434.7	433.8	432.0	432.8	432.0	432.1	432.9	432.8	432.0	432.0
SPE-2	435.0	433.8	432.0	433.0	432.0	432.0	433.1	432.9	432.0	432.0
SSE-1	434.3	432.5	431.6	432.3	431.3	431.3	432.2	432.4	431.5	431.7
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
DIFFERENTIALS/DEPTHS:										
North Fish Ladder										
Ladder Exit	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1
Ladder Weirs	1.1	1.2	1.1	1.1	1.1	1.2	1.1	1.1	1.2	1.1
Counting Station	0.1	0.2	0.1	0.2	0.1	0.2	0.1	0.1	0.2	0.2
South Fish Ladder										
Ladder Exit	0.2	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.0	0.0
Ladder Weirs	1.1	1.0	1.1	1.1	1.1	1.0	1.1	1.1	1.2	1.1
Counting Station	0.0	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
Collection Channels										
North Shore	1.3	1.2	1.1	1.0	1.3	1.3	1.3	1.3	1.5	1.3
South Powerhouse	1.1	1.4	1.0	1.1	1.2	1.3	1.0	1.1	1.0	1.1
South Shore	1.2	1.2	1.0	1.2	1.0	1.1	1.1	1.1	1.2	1.0
Weir Depths										
NSE-1	8.0	8.1	8.0	8.4	8.1	8.0	8.1	8.1	8.0	8.2
NSE-2	8.1	8.2	8.0	8.4	8.2	8.1	8.1	8.1	7.9	8.2
SPE-1	8.3	8.1	8.4	8.2	8.0	7.8	8.3	8.2	8.4	8.0
SPE-2	8.0	8.1	8.4	8.0	8.0	7.9	8.1	8.1	8.4	8.0
SSE-1	8.1	8.1	8.3	8.1	8.1	8.1	8.1	8.0	8.0	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

APPENDIX 1 (CONTINUED). LOWER MONUMENTAL ADULT FISHWAY INSPECTIONS

2012

DATES:	14-May	16-May	17-May	18-May	19-May	20-May	23-May	24-May	26-May	27-May
CHAN'L VELOCITIES (N):	2.7	2.4	2.1	2.5	2	2.6	1.7	2.8	2.5	2.7
ELEVATIONS:										
North Fish Ladder										
Forebay	537.7	537.8	537.5	537.5	537.6	537.2	537.6	537.2	537.4	537.6
Exit Pool	537.6	537.8	537.4	537.5	537.6	537.2	537.6	537.2	537.3	537.6
Makeup Diffuser	534.1	534.2	534.1	534.1	534.1	534.1	534.2	534.1	534.1	534.1
U S Picketed Leads	467.9	468.2	468.0	468.0	468.0	468.0	468.2	468.0	468.0	468.0
D S Picketed Leads	467.8	468.0	467.8	467.9	467.8	467.9	468.0	467.9	467.9	467.9
South Fish Ladder										
Forebay	537.7	537.8	537.5	537.6	537.6	537.2	537.6	537.1	537.4	537.6
Exit Pool	537.6	537.8	537.4	537.5	537.5	537.2	537.6	537.1	537.3	537.5
Makeup Diffuser	534.1	534.0	534.1	534.1	534.0	534.1	534.0	534.1	534.0	534.1
U S Picketed Leads	534.1	534.2	534.1	534.1	534.1	534.1	534.2	534.1	534.1	534.1
D S Picketed Leads	534.1	534.0	534.1	534.1	534.0	534.1	534.0	534.1	534.0	534.1
Collection Channels										
North Shore	441.8	443.0	443.6	443.2	443.1	443.1	444.8	442.7	442.4	440.7
South Powerhouse	441.5	442.8	443.4	443.0	442.8	442.9	444.8	442.4	442.0	440.5
South Shore	440.8	442.1	441.7	442.4	442.2	442.2	443.7	441.4	440.6	439.4
Tailwater										
North Shore	440.5	441.8	442.4	441.9	441.7	441.8	443.3	441.2	440.9	438.9
South Powerhouse	440.4	441.6	442.3	441.8	441.6	441.8	443.4	441.2	440.8	438.9
South Shore	439.7	441.0	440.6	441.3	441.2	441.1	442.6	440.2	439.5	438.2
Entrance Weirs										
NSE-1	432.4	433.2	434.3	433.8	433.7	433.7	435.3	433.1	432.7	430.7
NSE-2	432.4	433.7	434.4	433.8	433.7	433.7	435.2	433.1	432.7	430.6
SPE-1	432.4	433.4	433.8	433.5	433.5	433.5	435.3	432.9	432.4	432.0
SPE-2	432.3	433.4	434.1	433.7	433.6	433.7	435.6	433.0	432.5	432.0
SSE-1	431.7	433.0	432.6	433.3	433.1	433.0	434.6	432.2	431.5	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	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Ladder Weirs	1.1	1.2	1.1	1.1	1.1	1.1	1.2	1.1	1.1	1.1
Counting Station	0.1	0.2	0.2	0.1	0.2	0.1	0.2	0.1	0.1	0.1
South Fish Ladder										
Ladder Exit	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1
Ladder Weirs	1.1	1.0	1.1	1.1	1.0	1.1	1.0	1.1	1.0	1.1
Counting Station	0.0	0.2	0.0	0.0	0.1	0.0	0.2	0.0	0.1	0.0
Collection Channels										
North Shore	1.3	1.2	1.2	1.3	1.4	1.3	1.5	1.5	1.5	1.8
South Powerhouse	1.1	1.2	1.1	1.2	1.2	1.1	1.4	1.2	1.2	1.6
South Shore	1.1	1.1	1.1	1.1	1.0	1.1	1.1	1.2	1.1	1.2
Weir Depths										
NSE-1	8.1	8.6	8.1	8.1	8.0	8.1	8.0	8.1	8.2	8.2
NSE-2	8.1	8.1	8.0	8.1	8.0	8.1	8.1	8.1	8.2	8.3
SPE-1	8.0	8.2	8.5	8.3	8.1	8.3	8.1	8.3	8.4	6.9
SPE-2	8.1	8.2	8.2	8.1	8.0	8.1	7.8	8.2	8.3	6.9
SSE-1	8.0	8.0	8.0	8.0	8.1	8.1	8.0	8.0	8.0	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

APPENDIX 1 (CONTINUED). LOWER MONUMENTAL ADULT FISHWAY INSPECTIONS

2012

DATES:	28-May	30-May	31-May	1-Jun	2-Jun	3-Jun	6-Jun	7-Jun	8-Jun	9-Jun
CHAN'L VELOCITIES (N):	2.8	2.9	2.6	2.9	3	2.7	1.6	3	3	2.9
ELEVATIONS:										
North Fish Ladder										
Forebay	537.7	537.8	537.6	537.6	537.8	537.5	537.8	537.7	537.6	537.1
Exit Pool	537.7	537.8	537.6	537.6	537.7	537.5	537.7	537.6	537.6	537.1
Makeup Diffuser	534.1	534.2	534.1	534.1	534.2	534.1	534.2	534.1	534.1	534.1
U S Picketed Leads	468.0	468.2	468.0	468.0	468.0	467.9	468.2	468.0	468.0	468.2
D S Picketed Leads	467.9	468.0	467.9	467.9	467.9	467.9	468.0	467.9	467.9	467.9
South Fish Ladder										
Forebay	537.7	537.8	537.6	537.7	537.8	537.6	537.8	537.7	537.6	537.0
Exit Pool	537.5	537.8	537.6	537.6	537.7	537.5	537.8	537.6	537.5	537.0
Makeup Diffuser	534.1	534.0	534.1	534.1	534.1	534.1	534.0	534.0	534.1	534.1
U S Picketed Leads	534.1	534.1	534.1	534.1	534.1	534.1	534.2	534.0	534.1	534.1
D S Picketed Leads	534.1	534.0	534.1	534.1	534.1	534.1	534.0	534.0	534.1	534.1
Collection Channels										
North Shore	440.9	441.2	440.9	441.5	441.5	442.6	444.0	442.2	441.4	440.8
South Powerhouse	440.7	441.0	440.7	441.1	441.2	442.3	443.8	442.0	441.4	440.6
South Shore	439.8	439.9	440.2	440.4	440.5	441.3	442.3	441.3	440.4	438.8
Tailwater										
North Shore	439.2	439.6	439.8	439.9	440.0	441.2	442.7	440.8	440.0	439.8
South Powerhouse	439.5	439.3	439.6	439.8	440.0	441.2	442.4	440.7	440.0	439.2
South Shore	438.5	438.8	439.1	439.3	439.4	440.2	441.1	440.2	439.3	437.8
Entrance Weirs										
NSE-1	431.1	431.5	431.7	431.9	432.0	433.1	434.6	432.7	431.8	431.1
NSE-2	431.0	431.5	431.7	431.9	432.0	433.0	434.6	432.7	431.8	431.0
SPE-1	432.0	432.0	432.0	432.0	432.0	432.8	434.2	432.4	432.0	432.0
SPE-2	432.0	432.0	432.0	432.0	432.0	432.9	434.3	432.6	432.0	432.0
SSE-1	431.0	431.0	431.1	431.3	431.3	432.2	433.1	432.2	431.3	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	0.1	0.0	0.1	0.1	0.0	0.0
Ladder Weirs	1.1	1.2	1.1	1.1	1.2	1.1	1.2	1.1	1.1	1.1
Counting Station	0.1	0.2	0.1	0.1	0.1	0.0	0.2	0.1	0.1	0.3
South Fish Ladder										
Ladder Exit	0.2	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.0
Ladder Weirs	1.1	1.0	1.1	1.1	1.1	1.1	1.0	1.0	1.1	1.1
Counting Station	0.0	0.1	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0
Collection Channels										
North Shore	1.7	1.6	1.1	1.6	1.5	1.4	1.3	1.4	1.4	1.0
South Powerhouse	1.2	1.7	1.1	1.3	1.2	1.1	1.4	1.3	1.4	1.4
South Shore	1.3	1.1	1.1	1.1	1.1	1.1	1.2	1.1	1.1	1.0
Weir Depths										
NSE-1	8.1	8.1	8.1	8.0	8.0	8.1	8.1	8.1	8.2	8.7
NSE-2	8.2	8.1	8.1	8.0	8.0	8.2	8.1	8.1	8.2	8.8
SPE-1	7.5	7.3	7.6	7.8	8.0	8.4	8.2	8.3	8.0	7.2
SPE-2	7.5	7.3	7.6	7.8	8.0	8.3	8.1	8.1	8.0	7.2
SSE-1	7.5	7.8	8.0	8.0	8.1	8.0	8.0	8.0	8.0	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

APPENDIX 1 (CONTINUED). LOWER MONUMENTAL ADULT FISHWAY INSPECTIONS

2012

DATES:	10-Jun	11-Jun	13-Jun	14-Jun	15-Jun	16-Jun	18-Jun	20-Jun	22-Jun	23-Jun
CHAN'L VELOCITIES (N):	2.6	2.8	2.5	2.6	2.8	3	3.4	2.9	3.4	2.6
ELEVATIONS:										
North Fish Ladder										
Forebay	537.3	537.2	537.8	537.8	537.6	537.7	537.7	537.6	537.6	537.3
Exit Pool	537.3	537.2	537.8	537.6	537.5	537.7	537.6	537.6	537.6	537.3
Makeup Diffuser	534.1	534.1	534.2	534.0	534.1	534.1	534.1	534.3	534.1	534.2
U S Picketed Leads	468.0	468.0	468.2	468.0	468.0	468.0	468.0	468.2	468.0	468.0
D S Picketed Leads	467.9	467.9	468.0	467.9	467.9	467.9	467.9	468.0	467.9	467.9
South Fish Ladder										
Forebay	537.3	537.2	537.8	537.8	537.5	537.7	537.7	537.6	537.6	537.1
Exit Pool	537.3	537.2	537.8	537.7	537.5	537.6	537.6	537.6	537.5	537.0
Makeup Diffuser	534.0	534.1	534.0	534.0	534.1	534.0	534.1	534.0	534.1	534.0
U S Picketed Leads	534.0	534.1	534.2	534.1	534.1	534.0	534.1	534.2	534.1	534.1
D S Picketed Leads	534.0	534.1	534.0	534.0	534.1	534.0	534.1	534.0	534.1	534.0
Collection Channels										
North Shore	441.2	441.2	440.6	442.7	441.7	441.6	441.7	441.8	441.9	441.3
South Powerhouse	440.9	440.9	440.4	442.5	441.4	441.4	441.4	441.6	441.6	441.0
South Shore	440.1	440.0	438.8	441.8	440.8	440.5	440.3	440.7	440.8	439.8
Tailwater										
North Shore	439.7	439.7	438.8	441.3	440.3	440.3	440.3	440.1	440.3	439.9
South Powerhouse	439.7	439.6	438.9	441.4	440.3	440.2	440.2	440.0	440.3	439.5
South Shore	439.0	439.0	437.6	440.6	439.7	439.3	439.1	439.6	439.6	438.7
Entrance Weirs										
NSE-1	431.5	431.6	430.7	433.1	432.2	432.2	432.2	432.1	432.2	431.4
NSE-2	431.5	431.6	430.7	433.1	432.2	432.2	432.2	432.1	432.2	431.4
SPE-1	432.0	432.0	432.0	433.0	432.0	432.0	432.0	432.0	432.0	432.0
SPE-2	432.0	432.0	432.0	433.0	432.0	432.1	432.0	432.0	432.0	432.0
SSE-1	431.0	431.0	431.0	432.6	431.6	431.3	431.1	431.5	431.6	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	0.2	0.1	0.0	0.1	0.0	0.0	0.0
Ladder Weirs	1.1	1.1	1.2	1.0	1.1	1.1	1.1	1.3	1.1	1.2
Counting Station	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.1
South Fish Ladder										
Ladder Exit	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.0	0.1	0.1
Ladder Weirs	1.0	1.1	1.0	1.0	1.1	1.0	1.1	1.0	1.1	1.0
Counting Station	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.2	0.0	0.1
Collection Channels										
North Shore	1.5	1.5	1.8	1.4	1.4	1.3	1.4	1.7	1.6	1.4
South Powerhouse	1.2	1.3	1.5	1.1	1.1	1.2	1.2	1.6	1.3	1.5
South Shore	1.1	1.0	1.2	1.2	1.1	1.2	1.2	1.1	1.2	1.1
Weir Depths										
NSE-1	8.2	8.1	8.1	8.2	8.1	8.1	8.1	8.0	8.1	8.5
NSE-2	8.2	8.1	8.1	8.2	8.1	8.1	8.1	8.0	8.1	8.5
SPE-1	7.7	7.6	6.9	8.4	8.3	8.2	8.2	8.0	8.3	7.5
SPE-2	7.7	7.6	6.9	8.4	8.3	8.1	8.2	8.0	8.3	7.5
SSE-1	8.0	8.0	6.6	8.0	8.1	8.0	8.0	8.1	8.0	7.7
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

APPENDIX 1 (CONTINUED). LOWER MONUMENTAL ADULT FISHWAY INSPECTIONS

2012

DATES:	24-Jun	25-Jun	27-Jun	28-Jun	29-Jun	30-Jun	1-Jul	2-Jul	3-Jul	4-Jul
CHAN'L VELOCITIES (N):	2.9	3.2	3.1	2.8	2.8	2.7	2.1	2.4	3.1	2.8
ELEVATIONS:										
North Fish Ladder										
Forebay	537.5	537.2	537.5	537.2	537.8	537.3	537.5	537.7	537.3	537.8
Exit Pool	537.5	537.2	537.5	537.2	537.8	537.2	537.5	537.7	537.3	537.8
Makeup Diffuser	534.0	534.0	534.2	534.1	534.1	534.1	534.1	534.1	534.0	534.2
U S Picketed Leads	468.0	468.0	468.2	468.1	468.0	468.0	468.0	468.0	468.0	468.2
D S Picketed Leads	467.9	467.9	468.0	467.9	467.9	467.9	467.9	467.9	467.9	468.0
South Fish Ladder										
Forebay	537.4	537.2	537.5	537.2	537.8	537.3	537.5	537.8	537.3	537.8
Exit Pool	537.4	537.2	537.5	537.2	537.7	537.2	537.5	537.8	537.3	537.8
Makeup Diffuser	534.1	534.0	534.0	534.0	534.1	534.0	534.1	534.1	534.1	534.0
U S Picketed Leads	534.0	534.1	534.2	534.1	534.1	534.0	534.1	534.1	534.1	534.2
D S Picketed Leads	534.0	534.0	534.0	534.0	534.1	534.0	534.1	534.1	534.1	534.0
Collection Channels										
North Shore	441.0	442.1	441.6	440.8	440.8	440.0	440.6	440.7	440.6	440.4
South Powerhouse	440.8	441.7	441.5	440.7	440.8	439.8	440.3	440.6	440.5	440.2
South Shore	439.8	440.9	440.5	439.4	439.4	438.8	439.4	439.3	439.1	439.0
Tailwater										
North Shore	439.4	440.5	439.8	439.2	438.9	438.3	439.0	439.2	438.9	438.7
South Powerhouse	439.3	440.3	439.9	439.2	438.9	438.0	439.0	439.1	438.8	438.3
South Shore	438.5	439.8	439.4	438.3	438.2	437.7	438.1	438.2	438.0	437.8
Entrance Weirs										
NSE-1	431.0	432.4	431.7	430.8	430.7	430.3	430.8	431.0	430.7	430.4
NSE-2	431.0	432.4	431.7	430.8	430.7	430.3	430.8	431.0	430.7	430.4
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	431.0	431.8	431.3	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	0.1	0.0	0.0	0.0	0.0
Ladder Weirs	1.0	1.0	1.2	1.1	1.1	1.1	1.1	1.1	1.0	1.2
Counting Station	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2
South Fish Ladder										
Ladder Exit	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
Ladder Weirs	1.1	1.0	1.0	1.0	1.1	1.0	1.1	1.1	1.1	1.0
Counting Station	0.0	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.2
Collection Channels										
North Shore	1.6	1.6	1.8	1.6	1.9	1.7	1.6	1.5	1.7	1.7
South Powerhouse	1.5	1.4	1.6	1.5	1.9	1.8	1.3	1.5	1.7	1.9
South Shore	1.3	1.1	1.1	1.1	1.2	1.1	1.3	1.1	1.1	1.2
Weir Depths										
NSE-1	8.4	8.1	8.1	8.4	8.2	8.0	8.2	8.2	8.2	8.3
NSE-2	8.4	8.1	8.1	8.4	8.2	8.0	8.2	8.2	8.2	8.3
SPE-1	7.3	8.3	7.9	7.2	6.9	6.0	7.0	7.1	6.8	6.3
SPE-2	7.3	8.3	7.9	7.2	6.9	6.0	7.0	7.1	6.8	6.3
SSE-1	7.5	8.0	8.1	7.3	7.2	6.7	7.1	7.2	7.0	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

APPENDIX 1 (CONTINUED). LOWER MONUMENTAL ADULT FISHWAY INSPECTIONS

2012

DATES:	5-Jul	7-Jul	8-Jul	11-Jul	12-Jul	13-Jul	14-Jul	15-Jul	18-Jul	19-Jul
CHAN'L VELOCITIES (N):	2.4	2.2	2.6	2.5	2.7	2.3	2	2.6	2.5	2.6
ELEVATIONS:										
North Fish Ladder										
Forebay	537.4	537.7	537.5	537.6	537.5	537.4	537.3	537.8	537.6	537.4
Exit Pool	537.4	537.7	537.5	537.6	537.5	537.4	537.3	537.8	537.6	537.4
Makeup Diffuser	534.1	534.2	534.1	534.2	534.0	534.0	534.0	534.0	534.2	534.0
U S Picketed Leads	468.0	468.0	468.2	468.2	468.1	468.2	468.0	468.0	468.2	468.1
D S Picketed Leads	467.9	467.9	467.9	468.0	467.9	467.9	467.9	467.9	468.0	467.9
South Fish Ladder										
Forebay	537.4	537.7	537.5	537.6	537.5	537.5	537.5	537.8	537.6	537.4
Exit Pool	537.4	537.6	537.5	537.6	537.4	537.5	537.4	537.7	537.4	537.4
Makeup Diffuser	534.1	534.0	534.1	534.0	534.0	534.0	534.0	534.0	534.0	534.0
U S Picketed Leads	534.1	534.1	534.1	534.2	534.0	534.1	534.1	534.0	534.2	534.1
D S Picketed Leads	534.1	534.0	534.1	534.0	534.0	534.0	534.0	534.0	534.0	534.0
Collection Channels										
North Shore	439.9	440.0	440.0	439.7	440.4	440.5	439.6	439.8	440.2	439.8
South Powerhouse	439.6	439.6	439.6	439.6	440.3	440.4	439.2	439.6	440.0	439.6
South Shore	438.4	438.6	438.4	438.4	439.2	439.4	438.3	438.7	438.9	438.5
Tailwater										
North Shore	438.4	438.6	438.3	438.0	439.2	439.2	438.0	438.2	438.6	437.9
South Powerhouse	438.5	438.2	438.1	437.9	439.0	439.0	437.8	438.2	438.4	437.9
South Shore	437.3	437.4	437.2	437.3	438.1	438.3	437.1	437.5	437.7	437.4
Entrance Weirs										
NSE-1	430.0	430.1	430.2	429.9	430.8	431.1	429.8	430.1	430.5	429.6
NSE-2	430.1	430.0	430.1	429.9	430.7	431.0	429.6	430.0	430.5	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ladder Weirs	1.1	1.2	1.1	1.2	1.0	1.0	1.0	1.0	1.2	1.0
Counting Station	0.1	0.1	0.3	0.2	0.2	0.3	0.1	0.1	0.2	0.2
South Fish Ladder										
Ladder Exit	0.0	0.1	0.0	0.0	0.1	0.0	0.1	0.1	0.2	0.0
Ladder Weirs	1.1	1.0	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Counting Station	0.0	0.1	0.0	0.2	0.0	0.1	0.1	0.0	0.2	0.1
Collection Channels										
North Shore	1.5	1.4	1.7	1.7	1.2	1.3	1.6	1.6	1.6	1.9
South Powerhouse	1.1	1.4	1.5	1.7	1.3	1.4	1.4	1.4	1.6	1.7
South Shore	1.1	1.2	1.2	1.1	1.1	1.1	1.2	1.2	1.2	1.1
Weir Depths										
NSE-1	8.4	8.5	8.1	8.1	8.4	8.1	8.2	8.1	8.1	8.3
NSE-2	8.3	8.6	8.2	8.1	8.5	8.2	8.4	8.2	8.1	8.4
SPE-1	6.5	6.2	6.1	5.9	7.0	7.0	5.8	6.2	6.4	5.9
SPE-2	6.5	6.2	6.1	5.9	7.0	7.0	5.8	6.2	6.4	5.9
SSE-1	6.3	6.4	6.2	6.3	7.1	7.3	6.1	6.5	6.7	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

APPENDIX 1 (CONTINUED). LOWER MONUMENTAL ADULT FISHWAY INSPECTIONS

2012

DATES:	20-Jul	21-Jul	22-Jul	25-Jul	26-Jul	27-Jul	28-Jul	30-Jul	31-Jul	1-Aug
CHAN'L VELOCITIES (N):	2.6	2.2	2.1	2.5	2.1	2.7	1.8	1.9	2	2.1
ELEVATIONS:										
North Fish Ladder										
Forebay	537.7	537.8	537.4	537.8	537.4	537.7	537.3	537.4	537.8	537.6
Exit Pool	537.7	537.7	537.4	537.8	537.4	537.7	537.3	537.4	537.7	537.6
Makeup Diffuser	534.1	534.1	534.1	534.2	534.1	534.1	534.1	534.1	534.1	534.2
U S Picketed Leads	468.0	468.0	468.0	468.2	468.0	468.0	468.0	468.0	468.1	468.2
D S Picketed Leads	467.9	467.9	467.9	468.0	467.9	467.9	467.8	467.9	467.9	468.0
South Fish Ladder										
Forebay	537.7	537.8	537.4	537.8	537.4	537.7	537.3	537.4	537.8	537.6
Exit Pool	537.6	537.7	537.4	537.6	537.3	537.7	537.2	537.4	537.7	537.6
Makeup Diffuser	534.0	534.0	534.0	534.0	534.0	534.1	534.0	534.1	534.0	534.0
U S Picketed Leads	534.0	534.0	534.0	534.2	534.0	534.1	534.0	534.1	534.1	534.2
D S Picketed Leads	534.0	534.0	534.0	534.0	534.0	534.1	534.0	534.1	534.0	534.0
Collection Channels										
North Shore	439.9	440.0	439.2	440.2	439.7	440.0	439.0	438.5	439.1	439.2
South Powerhouse	439.8	439.8	439.0	440.0	439.5	439.7	438.9	438.4	439.0	439.0
South Shore	438.8	439.0	437.8	438.9	438.6	438.7	437.9	437.7	438.5	437.5
Tailwater										
North Shore	438.5	438.7	437.5	438.6	438.3	438.4	437.7	437.2	438.0	437.2
South Powerhouse	438.5	438.6	437.3	438.4	438.4	438.4	437.8	437.2	438.0	437.1
South Shore	437.6	437.9	436.6	437.7	437.5	437.7	436.8	436.5	437.3	436.4
Entrance Weirs										
NSE-1	430.4	430.6	429.2	430.5	430.0	430.3	429.1	429.0	429.8	429.0
NSE-2	430.4	430.5	429.1	430.5	429.9	430.2	429.1	429.0	429.7	429.0
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	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Ladder Weirs	1.1	1.1	1.1	1.2	1.1	1.1	1.1	1.1	1.1	1.2
Counting Station	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.2	0.2
South Fish Ladder										
Ladder Exit	0.1	0.1	0.0	0.2	0.1	0.0	0.1	0.0	0.1	0.0
Ladder Weirs	1.0	1.0	1.0	1.0	1.0	1.1	1.0	1.1	1.0	1.0
Counting Station	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.1	0.2
Collection Channels										
North Shore	1.4	1.3	1.7	1.6	1.4	1.6	1.3	1.3	1.1	2.0
South Powerhouse	1.3	1.2	1.7	1.6	1.1	1.3	1.1	1.2	1.0	1.9
South Shore	1.2	1.1	1.2	1.2	1.1	1.0	1.1	1.2	1.2	1.1
Weir Depths										
NSE-1	8.1	8.1	8.3	8.1	8.3	8.1	8.6	8.2	8.2	8.2
NSE-2	8.1	8.2	8.4	8.1	8.4	8.2	8.6	8.2	8.3	8.2
SPE-1	6.5	6.6	5.3	6.4	6.4	6.4	5.8	5.2	6.0	5.1
SPE-2	6.5	6.6	5.3	6.4	6.4	6.4	5.8	5.2	6.0	5.1
SSE-1	6.6	6.9	5.6	6.7	6.5	6.7	5.8	5.5	6.3	5.4
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

APPENDIX 1 (CONTINUED). LOWER MONUMENTAL ADULT FISHWAY INSPECTIONS

2012

DATES:	3-Aug	4-Aug	5-Aug	8-Aug	9-Aug	10-Aug	11-Aug	12-Aug	15-Aug	16-Aug
CHAN'L VELOCITIES (N):	1.8	1.9	1.9	1.5	1.7	1.9	2	1.9	1.7	2
ELEVATIONS:										
North Fish Ladder										
Forebay	537.5	537.6	537.1	537.8	537.2	537.3	537.7	537.3	537.5	537.5
Exit Pool	537.4	537.5	537.0	537.6	537.1	537.3	537.6	537.3	537.5	537.5
Makeup Diffuser	534.1	534.1	534.1	534.2	534.0	534.1	534.1	534.1	534.2	534.1
U S Picketed Leads	468.0	468.0	468.0	468.2	468.0	468.1	468.1	468.1	468.2	468.1
D S Picketed Leads	467.9	467.8	467.8	468.0	467.8	467.9	467.9	467.9	468.0	467.8
South Fish Ladder										
Forebay	537.5	537.6	537.1	537.8	537.2	537.3	537.6	537.3	537.5	537.5
Exit Pool	537.5	537.5	537.0	537.6	537.2	537.2	537.6	537.3	537.5	537.5
Makeup Diffuser	534.1	534.0	534.0	534.0	534.0	534.0	534.0	534.0	534.0	534.0
U S Picketed Leads	534.1	534.0	534.0	534.2	534.0	534.0	534.0	534.0	534.2	534.1
D S Picketed Leads	534.1	534.0	534.0	534.0	534.0	534.0	534.0	534.0	534.0	534.0
Collection Channels										
North Shore	438.9	438.9	438.7	438.5	439.4	439.1	439.5	439.0	439.0	439.2
South Powerhouse	438.9	438.9	438.7	438.4	439.2	439.1	439.1	439.0	439.0	439.1
South Shore	438.1	438.1	437.8	437.6	438.3	437.8	437.8	437.9	437.8	437.7
Tailwater										
North Shore	437.4	437.7	437.3	437.3	437.5	437.5	437.7	437.5	437.2	437.4
South Powerhouse	437.4	437.6	437.1	437.0	437.4	437.4	437.4	437.4	437.2	437.3
South Shore	436.9	437.0	436.7	436.4	436.7	436.7	436.6	436.7	436.6	436.5
Entrance Weirs										
NSE-1	429.3	429.1	429.0	429.1	429.2	429.5	429.5	429.3	429.2	429.4
NSE-2	429.3	429.1	429.0	429.1	429.1	429.4	429.5	429.1	429.2	429.3
SPE-1	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0
SPE-2	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0
SSE-1	431.0	431.0	431.0	431.0	431.0	431.0	431.0	431.0	431.0	431.0
SSE-2 (feet above sill)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
DIFFERENTIALS/DEPTHS:										
North Fish Ladder										
Ladder Exit	0.1	0.1	0.1	0.2	0.1	0.0	0.1	0.0	0.0	0.0
Ladder Weirs	1.1	1.1	1.1	1.2	1.0	1.1	1.1	1.1	1.2	1.1
Counting Station	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
South Fish Ladder										
Ladder Exit	0.0	0.1	0.1	0.2	0.0	0.1	0.0	0.0	0.0	0.0
Ladder Weirs	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Counting Station	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.1
Collection Channels										
North Shore	1.5	1.2	1.4	1.2	1.9	1.6	1.8	1.5	1.8	1.8
South Powerhouse	1.5	1.3	1.6	1.4	1.8	1.7	1.7	1.6	1.8	1.8
South Shore	1.2	1.1	1.1	1.2	1.6	1.1	1.2	1.2	1.2	1.2
Weir Depths										
NSE-1	8.1	8.6	8.3	8.2	8.3	8.0	8.2	8.2	8.0	8.0
NSE-2	8.1	8.6	8.3	8.2	8.4	8.1	8.2	8.4	8.0	8.1
SPE-1	5.4	5.6	5.1	5.0	5.4	5.4	5.4	5.4	5.2	5.3
SPE-2	5.4	5.6	5.1	5.0	5.4	5.4	5.4	5.4	5.2	5.3
SSE-1	5.9	6.0	5.7	5.4	5.7	5.7	5.6	5.7	5.6	5.5
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

APPENDIX 1 (CONTINUED). LOWER MONUMENTAL ADULT FISHWAY INSPECTIONS

2012

DATES:	17-Aug	18-Aug	19-Aug	21-Aug	22-Aug	24-Aug	25-Aug	27-Aug	29-Aug	30-Aug
CHAN'L VELOCITIES (N):	1.6	1.8	1.7	1.7	1.9	1.5	1.9	1.8	1.6	2.1
ELEVATIONS:										
North Fish Ladder										
Forebay	537.7	537.5	537.5	537.6	537.5	537.4	537.6	537.5	537.4	537.5
Exit Pool	537.7	537.5	537.5	537.6	537.5	537.4	537.5	537.5	537.4	537.5
Makeup Diffuser	534.1	534.1	534.1	534.1	534.2	534.1	534.1	534.1	534.2	534.1
U S Picketed Leads	468.0	468.1	468.1	468.2	468.2	468.0	468.0	468.1	468.2	468.0
D S Picketed Leads	467.9	467.9	467.9	467.8	468.0	467.9	467.8	467.8	468.0	467.8
South Fish Ladder										
Forebay	537.6	537.4	537.6	537.6	537.5	537.3	537.6	537.5	537.3	537.5
Exit Pool	537.6	537.4	537.5	537.6	537.5	537.3	537.5	537.4	537.3	537.5
Makeup Diffuser	534.1	534.1	534.1	534.0	534.0	534.1	534.0	534.0	534.0	534.0
U S Picketed Leads	534.1	534.1	534.1	534.1	534.2	534.1	534.0	534.1	534.2	534.1
D S Picketed Leads	534.1	534.1	534.1	534.0	534.0	534.1	534.0	534.0	534.0	534.0
Collection Channels										
North Shore	438.8	438.8	438.7	438.5	439.8	438.4	438.9	439.3	439.2	439.0
South Powerhouse	438.7	438.8	438.6	438.6	439.6	438.4	438.8	439.2	439.0	438.9
South Shore	438.0	437.7	437.6	437.6	438.5	437.9	438.0	437.9	437.8	438.0
Tailwater										
North Shore	437.3	437.2	437.3	437.0	438.2	437.2	437.7	437.5	437.5	437.2
South Powerhouse	437.3	437.1	437.2	437.0	437.8	437.2	437.5	437.3	437.1	437.2
South Shore	436.9	436.4	436.5	436.4	437.4	436.6	436.9	436.8	436.6	436.9
Entrance Weirs										
NSE-1	429.0	429.0	429.2	429.0	429.9	429.1	429.0	429.3	429.1	429.0
NSE-2	429.0	429.0	429.0	429.0	429.9	429.0	429.0	429.2	429.1	429.0
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	0.1	0.0	0.0	0.0
Ladder Weirs	1.1	1.1	1.1	1.1	1.2	1.1	1.1	1.1	1.2	1.1
Counting Station	0.1	0.2	0.2	0.4	0.2	0.1	0.2	0.3	0.2	0.2
South Fish Ladder										
Ladder Exit	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.0
Ladder Weirs	1.1	1.1	1.1	1.0	1.0	1.1	1.0	1.0	1.0	1.0
Counting Station	0.0	0.0	0.0	0.1	0.2	0.0	0.0	0.1	0.2	0.1
Collection Channels										
North Shore	1.5	1.6	1.4	1.5	1.6	1.2	1.2	1.8	1.7	1.8
South Powerhouse	1.4	1.7	1.4	1.6	1.8	1.2	1.3	1.9	1.9	1.7
South Shore	1.1	1.3	1.1	1.2	1.1	1.3	1.1	1.1	1.2	1.1
Weir Depths										
NSE-1	8.3	8.2	8.1	8.0	8.3	8.1	8.7	8.2	8.4	8.2
NSE-2	8.3	8.2	8.3	8.0	8.3	8.2	8.7	8.3	8.4	8.2
SPE-1	5.3	5.1	5.2	5.0	5.8	5.2	5.5	5.3	5.1	5.2
SPE-2	5.3	5.1	5.2	5.0	5.8	5.2	5.5	5.3	5.1	5.2
SSE-1	5.9	5.4	5.5	5.4	6.4	5.6	5.9	5.8	5.6	5.9
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

APPENDIX 1 (CONTINUED). LOWER MONUMENTAL ADULT FISHWAY INSPECTIONS

2012

DATES:	31-Aug	1-Sep	3-Sep	5-Sep	6-Sep	7-Sep	8-Sep	10-Sep	11-Sep	12-Sep
CHAN'L VELOCITIES (N):	1.9	1.9	2.2	1.9	2.1	2.2	2.0	2.1	2.2	2.0
ELEVATIONS:										
North Fish Ladder										
Forebay	537.8	537.7	539.4	539.2	539.1	539.0	538.6	538.5	537.9	538.2
Exit Pool	537.8	537.7	539.4	539.2	539.1	538.9	538.5	538.3	537.9	538.2
Makeup Diffuser	534.1	534.1	534.1	534.2	534.1	534.1	534.1	534.1	534.0	534.2
U S Picketed Leads	468.0	468.0	468.1	468.4	468.0	468.0	468.0	468.0	468.1	468.2
D S Picketed Leads	467.9	467.8	467.9	468.0	467.9	467.9	467.8	467.8	467.9	468.0
South Fish Ladder										
Forebay	537.8	537.6	539.4	539.2	539.0	538.8	538.5	538.4	537.9	538.2
Exit Pool	537.7	537.5	539.3	539.2	539.0	538.8	538.3	538.2	537.8	538.2
Makeup Diffuser	534.1	534.0	534.0	534.0	534.0	534.1	534.0	534.0	534.0	534.0
U S Picketed Leads	534.1	534.0	534.1	534.2	534.0	534.1	534.1	534.1	534.1	534.2
D S Picketed Leads	534.1	534.0	534.0	534.0	534.0	534.1	534.0	534.0	534.0	534.0
Collection Channels										
North Shore	439.1	439.6	440.4	441.0	441.4	441.0	440.6	440.0	439.6	440.0
South Powerhouse	439.0	439.5	440.3	440.8	441.2	440.8	440.3	439.9	439.2	439.7
South Shore	437.9	439.1	440.0	440.6	441.1	440.7	440.1	439.8	439.3	439.3
Tailwater										
North Shore	437.5	438.1	438.8	439.5	440.0	439.6	439.0	438.8	437.9	438.3
South Powerhouse	437.5	438.1	438.9	439.5	439.9	439.6	439.0	438.8	438.0	438.3
South Shore	436.6	437.9	438.9	439.5	440.0	439.6	439.0	438.6	438.3	438.2
Entrance Weirs										
NSE-1	429.4	429.9	430.5	431.4	431.8	431.5	430.9	430.5	429.8	430.1
NSE-2	429.3	429.9	430.6	431.4	431.7	431.3	430.9	430.4	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	0.1	0.1	0.2	0.0	0.0
Ladder Weirs	1.1	1.1	1.1	1.2	1.1	1.1	1.1	1.1	1.0	1.2
Counting Station	0.1	0.2	0.2	0.4	0.1	0.1	0.2	0.2	0.2	0.2
South Fish Ladder										
Ladder Exit	0.1	0.1	0.1	0.0	0.0	0.0	0.2	0.2	0.1	0.0
Ladder Weirs	1.1	1.0	1.0	1.0	1.0	1.1	1.0	1.0	1.0	1.0
Counting Station	0.0	0.0	0.1	0.2	0.0	0.0	0.1	0.1	0.1	0.2
Collection Channels										
North Shore	1.6	1.5	1.6	1.5	1.4	1.4	1.6	1.2	1.7	1.7
South Powerhouse	1.5	1.4	1.4	1.3	1.3	1.2	1.3	1.1	1.2	1.4
South Shore	1.3	1.2	1.1	1.1	1.1	1.1	1.1	1.2	1.0	1.1
Weir Depths										
NSE-1	8.1	8.2	8.3	8.1	8.2	8.1	8.1	8.3	8.1	8.2
NSE-2	8.2	8.2	8.2	8.1	8.3	8.3	8.1	8.4	8.1	8.2
SPE-1	5.5	6.1	6.9	7.5	7.9	7.6	7.0	6.8	6.0	6.3
SPE-2	5.5	6.1	6.9	7.5	7.9	7.6	7.0	6.8	6.0	6.3
SSE-1	5.6	6.9	7.9	8.5	9.0	8.6	8.0	7.6	7.3	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

APPENDIX 1 (CONTINUED). LOWER MONUMENTAL ADULT FISHWAY INSPECTIONS

2012

DATES:	13-Sep	15-Sep	16-Sep	19-Sep	20-Sep	21-Sep	22-Sep	24-Sep	25-Sep	26-Sep
CHAN'L VELOCITIES (N):	1.9	2.0	2.1	1.9	2.0	1.9	1.9	1.9	2.1	2.0
ELEVATIONS:										
North Fish Ladder										
Forebay	538.0	538.6	538.5	537.8	538.7	538.2	538.0	538.4	537.8	537.8
Exit Pool	538.0	538.6	538.5	537.8	538.6	538.0	537.9	538.3	537.7	537.8
Makeup Diffuser	534.1	534.1	534.0	534.2	534.0	534.0	534.1	534.0	534.0	534.2
U S Picketed Leads	468.0	468.1	468.0	468.2	468.0	468.1	468.1	468.0	468.0	468.2
D S Picketed Leads	467.8	467.8	467.9	468.0	467.8	467.8	467.8	467.9	467.8	468.0
South Fish Ladder										
Forebay	538.0	538.6	538.6	537.8	537.8	538.1	538.0	538.3	537.9	537.8
Exit Pool	538.0	538.6	538.5	537.8	537.7	538.0	538.0	538.2	537.8	537.8
Makeup Diffuser	534.0	534.1	534.0	534.0	534.1	534.0	534.0	534.0	534.0	534.0
U S Picketed Leads	534.1	534.1	534.0	534.2	534.1	534.1	534.1	534.1	534.1	534.2
D S Picketed Leads	534.0	534.1	534.0	534.0	534.1	534.0	534.0	534.0	534.0	534.0
Collection Channels										
North Shore	440.5	439.7	440.2	439.9	439.1	439.1	439.8	439.8	440.2	439.9
South Powerhouse	439.9	439.6	440.1	439.7	439.0	439.1	439.5	439.7	440.0	440.0
South Shore	439.4	439.2	440.2	439.3	438.6	438.8	439.5	439.3	440.1	439.2
Tailwater										
North Shore	438.8	438.1	438.7	438.3	437.6	437.7	438.1	438.4	438.7	438.2
South Powerhouse	438.3	438.3	438.9	438.2	437.6	437.9	438.1	438.4	438.7	438.5
South Shore	438.3	438.2	439.1	438.2	437.5	437.8	438.4	438.2	439.0	438.1
Entrance Weirs										
NSE-1	430.8	430.0	430.5	430.0	429.4	429.6	430.1	430.1	430.5	430.2
NSE-2	430.8	430.0	430.5	430.0	429.3	429.5	430.0	429.9	430.5	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	0.0	0.0	0.0	0.0	0.1	0.2	0.1	0.1	0.1	0.0
Ladder Weirs	1.1	1.1	1.0	1.2	1.0	1.0	1.1	1.0	1.0	1.2
Counting Station	0.2	0.3	0.1	0.2	0.2	0.3	0.3	0.1	0.2	0.2
South Fish Ladder										
Ladder Exit	0.0	0.0	0.1	0.0	0.1	0.1	0.0	0.1	0.1	0.0
Ladder Weirs	1.0	1.1	1.0	1.0	1.1	1.0	1.0	1.0	1.0	1.0
Counting Station	0.1	0.0	0.0	0.2	0.0	0.1	0.1	0.1	0.1	0.2
Collection Channels										
North Shore	1.7	1.6	1.5	1.6	1.5	1.4	1.7	1.4	1.5	1.7
South Powerhouse	1.6	1.3	1.2	1.5	1.4	1.2	1.4	1.3	1.3	1.5
South Shore	1.1	1.0	1.1	1.1	1.1	1.0	1.1	1.1	1.1	1.1
Weir Depths										
NSE-1	8.0	8.1	8.2	8.3	8.2	8.1	8.0	8.3	8.2	8.0
NSE-2	8.0	8.1	8.2	8.3	8.3	8.2	8.1	8.5	8.2	8.0
SPE-1	6.3	6.3	6.9	6.2	5.6	5.9	6.1	6.4	6.7	6.5
SPE-2	6.3	6.3	6.9	6.2	5.6	5.9	6.1	6.4	6.7	6.5
SSE-1	7.3	7.2	8.1	7.2	6.5	6.8	7.4	7.2	8.0	7.1
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

APPENDIX 1 (CONTINUED). LOWER MONUMENTAL ADULT FISHWAY INSPECTIONS

2012

DATES:	28-Sep	29-Sep	30-Sep	3-Oct	4-Oct	6-Oct	9-Oct	10-Oct	11-Oct	13-Oct
CHAN'L VELOCITIES (N):	1.7	2.1	1.6	2.0	2.0	1.9	1.9	1.7	2.0	1.8
ELEVATIONS:										
North Fish Ladder										
Forebay	539.1	539.2	539.4	538.6	538.6	539.0	539.0	538.8	538.9	538.8
Exit Pool	538.9	539.0	539.1	538.6	538.5	538.7	538.7	538.6	538.6	538.7
Makeup Diffuser	534.0	534.1	534.1	534.2	534.1	534.1	534.1	534.1	534.1	534.1
U S Picketed Leads	468.1	468.1	468.1	468.1	468.0	468.0	468.2	468.2	468.0	468.1
D S Picketed Leads	467.9	467.9	467.9	467.9	467.9	467.9	467.9	467.9	467.9	467.9
South Fish Ladder										
Forebay	539.1	539.2	539.4	538.6	538.6	539.0	539.0	538.8	538.9	538.8
Exit Pool	538.9	539.0	539.2	538.6	538.6	538.7	538.9	538.8	538.8	538.7
Makeup Diffuser	534.0	534.0	534.0	534.0	534.0	534.0	534.0	534.0	534.0	534.0
U S Picketed Leads	534.1	534.0	534.1	534.1	534.1	534.0	534.0	534.2	534.1	534.0
D S Picketed Leads	534.0	534.0	534.0	534.0	534.0	534.0	534.0	534.0	534.0	534.0
Collection Channels										
North Shore	440.8	441.1	440.9	440.2	440.2	440.6	440.9	440.5	440.8	440.7
South Powerhouse	440.6	440.4	440.6	440.0	440.0	440.4	440.8	440.4	440.7	440.4
South Shore	440.8	440.6	440.3	439.7	440.2	440.1	440.2	440.5	440.4	440.6
Tailwater										
North Shore	439.3	439.6	439.4	438.6	438.6	439.1	439.5	439.2	439.4	439.1
South Powerhouse	439.4	439.6	439.3	438.6	438.5	439.2	439.5	439.2	439.4	439.1
South Shore	439.7	439.5	439.2	438.5	439.2	439.0	439.1	439.4	439.4	439.6
Entrance Weirs										
NSE-1	431.2	431.4	431.2	430.4	430.2	431.0	431.2	431.0	431.2	431.0
NSE-2	431.2	431.5	431.2	430.5	430.2	430.9	431.2	431.0	431.1	431.0
SPE-1	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0
SPE-2	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0
SSE-1	431.0	431.0	431.0	431.0	431.0	431.0	431.0	431.0	431.0	431.0
SSE-2 (feet above sill)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
DIFFERENTIALS/DEPTHS:										
North Fish Ladder										
Ladder Exit	0.2	0.2	0.3	0.0	0.1	0.3	0.3	0.2	0.3	0.1
Ladder Weirs	1.0	1.1	1.1	1.2	1.1	1.1	1.1	1.1	1.1	1.1
Counting Station	0.2	0.2	0.2	0.2	0.1	0.1	0.3	0.3	0.1	0.2
South Fish Ladder										
Ladder Exit	0.2	0.2	0.2	0.0	0.0	0.3	0.1	0.0	0.1	0.1
Ladder Weirs	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Counting Station	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.2	0.1	0.0
Collection Channels										
North Shore	1.5	1.5	1.5	1.6	1.6	1.5	1.4	1.3	1.4	1.6
South Powerhouse	1.2	0.8	1.3	1.4	1.5	1.2	1.3	1.2	1.3	1.3
South Shore	1.1	1.1	1.1	1.2	1.0	1.1	1.1	1.1	1.0	1.0
Weir Depths										
NSE-1	8.1	8.2	8.2	8.2	8.4	8.1	8.3	8.2	8.2	8.1
NSE-2	8.1	8.1	8.2	8.1	8.4	8.2	8.3	8.2	8.3	8.1
SPE-1	7.4	7.6	7.3	6.6	6.5	7.2	7.5	7.2	7.4	7.1
SPE-2	7.4	7.6	7.3	6.6	6.5	7.2	7.5	7.2	7.4	7.1
SSE-1	8.7	8.5	8.2	7.5	8.2	8.0	8.1	8.4	8.4	8.6
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

APPENDIX 1 (CONTINUED). LOWER MONUMENTAL ADULT FISHWAY INSPECTIONS

DATES:	15-Oct	16-Oct	18-Oct	22-Oct	24-Oct	25-Oct	29-Oct	30-Oct	1-Nov	5-Nov
CHAN'L VELOCITIES (N):	2.1	1.8	2.1	1.7	1.7	2.0	1.9	2.2	1.9	2.0
ELEVATIONS:										
North Fish Ladder										
Forebay	539.1	538.5	539.0	539.0	539.3	539.5	539.0	538.6	538.9	538.9
Exit Pool	538.8	538.4	539.0	539.0	539.2	539.4	538.9	538.6	538.8	538.8
Makeup Diffuser	534.1	534.1	534.1	534.1	534.1	534.1	534.1	534.1	534.1	534.1
U S Picketed Leads	468.2	468.0	468.0	468.1	468.2	468.0	468.1	468.0	467.9	467.9
D S Picketed Leads	467.9	467.9	467.9	467.9	467.9	467.9	467.9	467.9	467.9	467.9
South Fish Ladder										
Forebay	539.1	538.5	539.0	539.0	539.3	539.5	539.0	538.6	538.9	538.8
Exit Pool	539.0	538.5	539.0	539.0	539.2	539.4	539.0	538.6	538.8	538.8
Makeup Diffuser	534.1	534.1	534.1	534.1	534.1	534.1	534.1	534.1	534.1	534.1
U S Picketed Leads	534.1	534.1	534.1	534.1	534.1	534.1	534.1	534.1	534.1	534.1
D S Picketed Leads	534.1	534.1	534.1	534.1	534.1	534.1	534.1	534.1	534.1	534.1
Collection Channels										
North Shore	440.8	440.6	440.5	440.1	441.0	441.1	440.4	440.1	440.1	440.4
South Powerhouse	440.7	440.4	440.2	440.0	440.8	441.0	440.3	440.0	440.0	440.3
South Shore	440.3	440.4	440.1	439.8	440.6	440.7	440.0	439.6	439.2	440.2
Tailwater										
North Shore	439.3	439.1	439.0	438.8	439.5	439.8	438.8	438.6	438.6	438.9
South Powerhouse	439.3	439.1	439.0	438.9	439.5	439.8	438.8	438.6	438.6	438.8
South Shore	439.3	439.3	439.1	438.7	439.6	439.5	439.0	438.6	438.1	439.1
Entrance Weirs										
NSE-1	431.1	430.9	430.8	430.6	431.4	431.6	430.7	430.5	430.4	430.7
NSE-2	431.1	430.8	430.8	430.6	431.4	431.6	430.7	430.5	430.3	430.8
SPE-1	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0
SPE-2	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0
SSE-1	431.0	431.0	431.0	431.0	431.4	431.4	431.4	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	0.3	0.1	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.1
Ladder Weirs	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Counting Station	0.3	0.1	0.1	0.2	0.3	0.1	0.2	0.1	0.0	0.0
South Fish Ladder										
Ladder Exit	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.0
Ladder Weirs	1.1	1.1	1.1	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	1.5	1.5	1.5	1.3	1.5	1.3	1.6	1.5	1.5	1.5
South Powerhouse	1.4	1.3	1.2	1.1	1.3	1.2	1.5	1.4	1.4	1.5
South Shore	1.0	1.1	1.0	1.1	1.0	1.2	1.0	1.0	1.1	1.1
Weir Depths										
NSE-1	8.2	8.2	8.2	8.2	8.1	8.2	8.1	8.1	8.2	8.2
NSE-2	8.2	8.3	8.2	8.2	8.1	8.2	8.1	8.1	8.3	8.1
SPE-1	7.3	7.1	7.0	6.9	7.5	7.8	6.8	6.6	6.6	6.8
SPE-2	7.3	7.1	7.0	6.9	7.5	7.8	6.8	6.6	6.6	6.8
SSE-1	8.3	8.3	8.1	7.7	8.2	8.1	7.6	7.6	7.1	8.1
SSE-2 (feet above sill)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0

APPENDIX 1 (CONTINUED). LOWER MONUMENTAL ADULT FISHWAY INSPECTIONS

DATES:	6-Nov	8-Nov	13-Nov	14-Nov	15-Nov	19-Nov	20-Nov	21-Nov	27-Nov	28-Nov
CHAN'L VELOCITIES (N):	1.8	1.7	1.8	2.1	2.0	2.0	1.7	1.8	1.8	1.9
ELEVATIONS:										
North Fish Ladder										
Forebay	538.6	538.7	539.0	539.1	539.5	538.5	538.6	539.1	539.0	538.8
Exit Pool	538.4	538.5	538.9	539.1	539.4	538.4	538.6	538.9	539.0	538.8
Makeup Diffuser	534.1	534.1	534.1	534.1	534.1	534.1	534.1	534.1	534.1	534.1
U S Picketed Leads	467.9	467.9	467.9	467.9	467.9	467.9	467.9	467.9	468.0	468.0
D S Picketed Leads	467.9	467.9	467.9	467.9	467.9	467.9	467.9	467.9	467.9	467.9
South Fish Ladder										
Forebay	538.5	538.6	538.9	539.1	539.5	538.5	538.7	539.0	539.1	539.0
Exit Pool	538.5	538.6	538.9	539.0	539.4	538.5	538.6	539.0	539.0	538.8
Makeup Diffuser	534.1	534.1	534.1	534.1	534.1	534.1	534.1	534.1	534.1	534.1
U S Picketed Leads	534.1	534.1	534.1	534.1	534.1	534.1	534.1	534.1	534.1	534.1
D S Picketed Leads	534.1	534.1	534.1	534.1	534.1	534.1	534.1	534.1	534.1	534.1
Collection Channels										
North Shore	440.8	440.7	439.9	440.9	440.5	440.7	440.4	440.6	441.0	440.5
South Powerhouse	440.7	440.7	439.9	440.8	440.3	440.6	440.1	440.4	440.8	440.4
South Shore	440.3	440.7	439.9	440.4	440.1	440.5	440.1	440.4	440.6	439.7
Tailwater										
North Shore	439.5	439.3	438.7	439.6	439.2	439.3	438.8	439.3	439.6	439.0
South Powerhouse	439.4	439.3	438.7	439.6	439.1	439.3	438.8	439.3	439.6	439.2
South Shore	439.2	439.6	438.8	439.3	439.0	439.4	438.9	439.2	439.5	438.5
Entrance Weirs										
NSE-1	431.1	431.0	430.6	431.3	430.9	431.2	430.8	431.1	431.3	430.7
NSE-2	431.2	431.1	430.6	431.3	430.9	431.2	430.8	431.1	431.4	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	431.3	431.0	431.1	431.5	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	0.2	0.1	0.0	0.1	0.1	0.0	0.2	0.0	0.0
Ladder Weirs	1.1	1.1	1.1	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	0.1	0.1
South Fish Ladder										
Ladder Exit	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.1	0.2
Ladder Weirs	1.1	1.1	1.1	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	1.3	1.4	1.2	1.3	1.3	1.4	1.6	1.3	1.4	1.5
South Powerhouse	1.3	1.4	1.2	1.2	1.2	1.3	1.3	1.1	1.2	1.2
South Shore	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.1	1.2
Weir Depths										
NSE-1	8.4	8.3	8.1	8.3	8.3	8.1	8.0	8.2	8.3	8.3
NSE-2	8.3	8.2	8.1	8.3	8.3	8.1	8.0	8.2	8.2	8.3
SPE-1	7.4	7.3	6.7	7.6	7.1	7.3	6.8	7.3	7.6	7.2
SPE-2	7.4	7.3	6.7	7.6	7.1	7.3	6.8	7.3	7.6	7.2
SSE-1	8.2	8.6	7.8	8.3	8.0	8.1	7.9	8.1	8.0	7.5
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

APPENDIX 1 (CONTINUED). LOWER MONUMENTAL ADULT FISHWAY INSPECTIONS

DATES:	29-Nov	3-Dec	4-Dec	5-Dec	10-Dec	11-Dec	13-Dec	17-Dec	18-Dec	20-Dec
CHAN'L VELOCITIES (N):	1.7	1.9	1.9	1.9	2.1	2.0	2.1	1.7	2.1	2.1
ELEVATIONS:										
North Fish Ladder										
Forebay	539.3	539.4	539.1	538.7	539.2	539.0	539.0	538.5	538.8	538.9
Exit Pool	539.3	539.3	539.0	538.6	539.0	538.9	538.9	538.3	538.6	538.7
Makeup Diffuser	534.1	534.2	534.2	534.1	534.1	534.1	534.1	534.1	534.1	534.1
U S Picketed Leads	468.0	468.0	468.0	468.0	468.0	467.9	467.9	467.9	467.9	467.9
D S Picketed Leads	467.9	467.9	468.0	467.9	468.0	467.9	467.9	467.9	467.9	467.9
South Fish Ladder										
Forebay	539.3	539.4	539.1	538.7	539.3	539.0	538.9	538.5	538.9	538.9
Exit Pool	539.2	539.2	539.0	538.6	539.2	539.0	538.8	538.4	538.8	538.8
Makeup Diffuser	534.1	534.1	534.1	534.0	534.1	534.1	534.1	534.1	534.1	534.1
U S Picketed Leads	534.1	534.1	534.1	534.1	534.1	534.1	534.1	534.1	534.1	534.1
D S Picketed Leads	534.1	534.1	534.1	534.0	534.1	534.1	534.1	534.1	534.1	534.1
Collection Channels										
North Shore	440.7	440.4	440.4	439.4	440.0	440.1	439.7	439.7	439.1	440.2
South Powerhouse	440.8	440.3	440.4	439.2	439.9	440.0	439.5	439.6	439.1	440.0
South Shore	440.7	440.5	440.0	438.8	439.5	439.7	439.1	439.6	438.8	439.7
Tailwater										
North Shore	439.3	438.9	438.9	437.8	438.6	438.6	438.1	438.4	437.8	439.0
South Powerhouse	439.3	438.9	438.9	437.8	438.5	438.6	438.1	438.4	437.8	438.9
South Shore	439.6	438.9	438.5	437.8	438.4	438.5	438.0	438.5	437.8	438.5
Entrance Weirs										
NSE-1	431.0	430.8	430.7	429.5	430.2	430.5	429.9	430.2	429.7	430.9
NSE-2	431.0	430.8	430.7	429.5	430.2	430.4	430.0	430.2	429.7	430.8
SPE-1	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0
SPE-2	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0	432.0
SSE-1	431.5	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	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.2
Ladder Weirs	1.1	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Counting Station	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
South Fish Ladder										
Ladder Exit	0.1	0.2	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1
Ladder Weirs	1.1	1.1	1.1	1.0	1.1	1.1	1.1	1.1	1.1	1.1
Counting Station	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Collection Channels										
North Shore	1.4	1.5	1.5	1.6	1.4	1.5	1.6	1.3	1.3	1.2
South Powerhouse	1.5	1.4	1.5	1.4	1.4	1.4	1.4	1.2	1.3	1.1
South Shore	1.1	1.6	1.5	1.0	1.1	1.2	1.1	1.1	1.0	1.2
Weir Depths										
NSE-1	8.3	8.1	8.2	8.3	8.4	8.1	8.2	8.2	8.1	8.1
NSE-2	8.3	8.1	8.2	8.3	8.4	8.2	8.1	8.2	8.1	8.2
SPE-1	7.3	6.9	6.9	5.8	6.5	6.6	6.1	6.4	5.8	6.9
SPE-2	7.3	6.9	6.9	5.8	6.5	6.6	6.1	6.4	5.8	6.9
SSE-1	8.1	7.9	7.5	6.8	7.4	7.5	7.0	7.5	6.8	7.5
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

26-Dec	31-Dec
2.1	1.8
539.0	539.1
538.6	538.8
534.1	534.1
468.0	468.0
467.9	467.9
538.9	539.0
538.8	538.9
534.1	534.1
534.1	534.1
534.1	534.1
439.5	440.5
439.4	440.3
439.4	440.2
438.1	439.3
438.1	439.2
438.2	439.1
429.9	431.1
429.9	431.1
432.0	432.0
432.0	432.0
431.0	431.1
6.0	6.0
0.4	0.3
1.1	1.1
0.1	0.1
0.1	0.1
1.1	1.1
0.0	0.0
1.4	1.2
1.3	1.1
1.2	1.1
8.2	8.2
8.2	8.2
6.1	7.2
6.1	7.2
7.2	8.0
6.0	6.0