ADULT AND JUVENILE FISH FACILITY MONITORING REPORT

LOWER MONUMENTAL DAM

2013

William F. Spurgeon

Supervisory Fisheries Biologist

and

Elizabeth A. Holdren

Assistant Fisheries Biologist

Lower Monumental Dam

U.S. Army Corps of Engineers

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INTRODUCTION

The following report on fishway activities at Lower Monumental Dam is required under the Endangered Species Act consultation on the operation of the Federal Columbia River Power System and its associated fish passage facilities. This report summarizes the operation and maintenance of adult fish passage facilities at Lower Monumental Dam, including the results of visual inspections of fishways conducted by fisheries staff during the adult fish passage period of March 1 to December 31, 2013. Inspection readings are provided in Appendix 1. Recommendations are provided for correcting problems found. This report also contains a synopsis of juvenile fish facility operations. Additional information on juvenile fish collection and transportation activities at Lower Monumental Dam can be found in the, "2013 Juvenile Fish Collection and Bypass Report, Lower Monumental Juvenile Fish Facility".

River Conditions

During the 2013 season, the average daily flow exceeded 100.0 kcfs on 7 days and did not exceed 150 kcfs. The highest daily average flow for the season was 134.5 kcfs on May 15. The lowest daily average flow for the season occurred on September 2 with a flow of 12.1 kcfs. The average flow for the season was 45.7 kcfs. Spill occurred for 152 days from April 3 through midnight on August 31, with a maximum daily average spill of 31.9 on May 2. The RSW was put into operation when Court ordered spill began on April 3, and was taken out of service for the season on August 31. River temperature averaged 59.4^{o} F for the season and ranged from 43.4^{o} F in early April, to 70.1^{o} F in early September.

ADULT FISH FACILITY

Facility Description

The adult fishways at Lower Monumental are comprised of north and south shore fish ladders. The upper ladders extend from the forebay to tailwater and include ladder exits, slotted weirs, upper diffusers, overflow weirs with orifices, and fish counting stations with picketed leads. The lower ladders contain collection channels, channel diffusers, and ladder entrances. The north shore lower fish ladder has two north shore entrances (NSE-1 and NSE-2) and two south powerhouse entrances (SPE-1 and SPE-2). The south shore lower fish ladder has two entrances (SSE-1 and SSE-2). Auxiliary water is supplied by three turbine-driven pumps (fish pumps) located in the north side of the powerhouse. The water is pumped into a supply conduit that extends under the north and south shore lower ladders, distributing water to the lower ladder diffusers. Excess water from the juvenile fish bypass system (approximately 180-200 cfs) additionally contributes to the auxiliary water supply during the juvenile fish bypass/collection season.

Facility Modifications

No fish ladder system modifications were made this season.

Operations and Maintenance

Fish Ladders and Collection Channels

The adult fishways were in service throughout 2013 with the exception of the winter maintenance season. Inspection and maintenance on the north and south shore fishways occurred from January 2 to February 11 and February 11 to February 27, respectively.

The upper fish ladders are dewatered annually for maintenance activities including: debris removal, diffuser grate and structural support inspections, picketed lead, staff gauge, and fish counting window cleaning, maintenance of count station window cleaning mechanisms, and packing of leaks in expansion joints. Twenty four hours prior to dewatering, the auxiliary water is shut off to discourage newly arriving fish from starting up the ladders. The fish exit is then bulkheaded off, any exit pool fish are removed and released to the forebay, and the upper ladders are partially dewatered leaving about 4 inches running through ladder weir orifices. This flow is maintained to move any remaining fish to tailwater. Approximately a day later, the flow is reduced to two inches and maintenance personnel go down the ladder through the orifices to remove debris, move remaining fish to tailwater, and inspect the full length of the channel. Results from the unwatering of the ladder: one clipped juvenile steelhead was salvaged from the north shore ladder exit. Inspection of the north shore upper ladder diffuser (GS6) revealed a section of loose grating due to failed clasps. Two clipped adult steelhead and one unclipped juvenile steelhead were salvaged from under the grating. One small unidentified fish swam under the concrete and was un-retrievable. Multiple unidentifiable decomposed fish were removed from under the grating. All diffuser grating clasps were inspected and replaced as needed.

The lower ladders are typically dewatered to a depth of one foot providing a holding pool for fish. Once the target depth is obtained, maintenance personnel and biologists inspect entrance weirs, diffuser grates and exposed diffuser gate operating equipment. Staff gauges are then cleaned and debris is removed. The north shore water was lowered to $4/10^{th}$ of a foot for visual inspection of gratings. When dewatering for repair is necessary; fish are crowded to the entrance pools, netted, and placed in a 600 gallon container (or 32 gallon containers if fish numbers are very low). The large container is manipulated with the crane to release fish to tailwater and refill the tank if needed. Fish salvage was not required in the lower ladders in 2013. NSE gates 1 and 2 were refurbished during the maintenance outage. No problems were observed during the inspection of the lower south shore channel. Replacement of diffuser grates and clasps has been an issue for years and will be addressed when engineering design and funding for replacement is available.

Auxiliary Water Supply

During the winter maintenance period, the auxiliary water supply conduit north of the regulating gate was partially dewatered and inspected.

Fish pumps 1, 2, and 3 were out of service (OOS) from January 1 to February 20 for annual maintenance. Annual maintenance consists of changing oil in pedestals, adjusting or replacing

packing and shaft seals, inspecting and cleaning heat exchangers, inspecting and replacing broken shear pins on the wicket gates, adjusting brakes, removing trash and debris from the fish pump turbine, and a general mechanical and electrical inspection. AWS pump 2 remained out of service for bearing repair and shaft alignment. To minimize water loss during two-pump operation, pump 2 was bulkheaded off. Pumps 1 and 3 remained in service throughout the passage season. The more significant pump outages are summarized in Table 1.

Table 1. Fish pump outages at Lower Monumental Dam, 2013 *

Affected Pump(s)	Dates	Reason for Outage/Comments
1, 2, 3	Jan 1 – Feb 20	Annual maintenance
2	Feb 20 – December 31	Bearing repair and shaft alignment

*Only outages involving two or more calendar days are included.

Adult Fishway Inspections

Methods

The automated fishway control system consists of a computer in the control room that interfaces with process level controllers and receives information from remote terminal units. The terminal units are fed by sensors detecting entrance weir gate positions, collection channel water and tailwater elevations, upper diffuser pool levels, and water temperatures within the fishways. The automated fishway control system is based on a GE Fanuc Series 90 control program. The computer is used to change the control parameters of the terminal units and provides datum acquisition and storage. The remote terminal units control the fishway entrance weir gates according to set points that either regulate the gate depths below tailwater or channel to tailwater entrance head differentials. The computer printout contains the following information: dates; times (hour, minute, and second); channel temperatures; channel and tailwater elevations (feet above mean sea level) for the north shore, south powerhouse, and south shore; gate elevations; gate depths; entrance heads; and set points for the gate depths and entrance heads.

Operating criteria involve normal and special operating conditions. Under normal operating conditions, NSE-1, NSE-2, SPE-1, SPE-2, and SSE-1 weir gates are operated to meet criteria of at least 8-foot depths (depth criteria) or be on sill if less than 8-foot depths (sill criteria). SSE-2 weir gate is operated with a 6-foot opening. Normal operating criteria for the rest of the ladder include maximums of 0.5-foot heads at the exits, maximums of 0.4-foot and 0.3-foot heads at the north and south shore picketed leads, respectively, 1.0-1.3 feet of water over the ladder weirs, 1.5-4.0 feet per second collection channel velocity, and 1.0-2.0-foot head differentials at all fishway entrances. Special operating conditions are used if normal operating criteria cannot be met. When only two fish pumps are operational, SSE-2 and SPE-2 may be closed and SPE-1 raised to provide 1.0-2.0 feet of entrance head differentials. This special operation was not required to maintain depth criteria this season.

Adult fishway inspections consist of observing facility operating conditions and recording visual readings from staff gauges, weir gate selsyns, and electronic meters. Wave action and large debris impacts have consistently resulted in loss of the south ladder tailwater staff gauge.

Readings of the lower south ladder and tailwater are therefore taken from an electronic panel in the service gallery.

Inspections by fisheries staff are normally conducted three or more times per reporting week with day and times randomized. An average of 4.0 inspections per week was performed (176 inspections /44 weeks) in 2013. Depths and head differentials that were out of criteria, as well as other problems, were reported to powerhouse shift operators and/or maintenance staff for correction. Powerhouse operators conduct shift inspections in addition to the inspections performed by fisheries staff.

Inspection Results

Visual readings were recorded and compared with automated control system readings to check for calibration problems. The automated control system readings and mechanical reading systems were routinely calibrated in 2013. High variability between wave crests and troughs created by spill reduces the accuracy of biologists' staff gauge readings in the tailrace. Thus the automated control system printout was also compared to visual reading to ensure fishways were in criteria. Data from fishway inspections was entered into an Excel spreadsheet (Appendix 1). The average compliance of all criteria points in 2013 was 99.6%. A summary of fish ladder performance and variability is provided in Table 2. Ladder entrance weir gates were on sill less in 2012 than in 2013 due to reduced river flow this season.

Ladder exits: North shore ladder exit head differentials were in criteria on 98.9% of the inspections. The two out of criteria readings of 2.0' and 1.2 feet occurred on December 9 and 10 due to a combination of debris and ice creating a dam at the ladder exit. South shore ladder exit head differentials were in criteria on 100% of the inspections. North and south shore exits were operated without debris booms again this season. Changing designs of debris booms which will be able to withstand high winds and wave action has delayed debris boom replacement.

Ladder weirs: The depths over the weirs of the north shore ladder were within criteria on 100% of the inspections.

Depths over the weirs of the south shore ladder were within criteria on 99.4% of inspections. The single discrepancy was likely a misreading.

Counting stations: The head differential across the north shore counting station picketed leads was in criteria on 98.9% of inspections. The two out of criteria readings of 0.9' feet and 0.8 feet were due to leaves accumulating on the lower picketed leads following high winds. The south shore counting station met criteria on 100% of inspections.

Entrance heads: North shore entrance head differential was in criteria on 100% of inspections.

South powerhouse entrance head was in criteria on 99.4% of inspections. It was out of criteria on one inspection with a reading of 2.2 feet. This out of criteria reading was likely due to the inspection being performed during the occurrence of simultaneous changes in powerhouse and spill operations to accommodate Doble testing of transformers. The entrance head was in criteria when reinspected later that day.

South shore entrance head differential was in criteria on 100% of inspections.

North shore entrance (NSE-1 & 2) depths: NSE-1 weir gate was in depth criteria or sill criteria on 98.8% of inspections (97.7% depth, 1.1% sill). The gate was out of criteria on two occasions with gate depth readings of 7.9 feet. The first reading may have been taken when automatic adjustment of the gate was occurring. The reason for the second out of criteria reading was undetermined. The gate was in criteria when checked later that day.

NSE-2 weir gate was in depth or sill criteria on 97.7% of inspections (96.6% depth, 1.1% sill). The gate was out of criteria on four inspections with depth readings of 7.8', 7.9', 7.8', and 7.8 feet. The first discrepancy was attributed to a failed transducer and the remaining three were due to calibration issues after replacement of the failed transducer.

South powerhouse entrance (SPE-1 & 2) depths: SPE-1 weir gate was in depth or sill criteria on 100% of inspections (3.4% depth, 96.6% sill).

SPE-2 weir gate was in depth criteria or sill on 100% of inspections (3.4% depth, 96.6% sill).

South shore entrances (SSE-1 & 2): SSE-1 weir gate was in depth or sill criteria on 100% of inspections (30.1% depth, 69.9 % sill).

SSE-2 weir gate was in criteria on 100% of inspections.

North shore collection channel velocity: The velocity unit is located in north shore collection channel in the transition area between unit 1 and unit 2. The sending unit is positioned in the channel's length and width to avoid non-characteristic high or low readings that are not representative of overall velocity conditions. Accurate velocity readings require the inspector to wait for the digital display to warm up and achieve a duplication of its peak reading.

Velocities were in criteria on 100% of inspections (criteria: 1.5-4.0 ft/s).

Recommendations

1. Leave pumps permanently installed in the auxiliary water supply conduit to reduce preparation time for dewatering the lower ladders.
2. Remove sand and debris from the supply conduits and replace all original ladder diffuser grates and support structures. Additionally, repair/replace mud valves.
3. Replace plastic picketed leads at the north shore count station with stainless steel leads to eliminate the expansion and warping that the plastic exhibits with hot temperatures. Alter these picketed leads so that the vanes are oriented at an angle to the water flow to prevent algae from adhering to the vanes.
4. Modify the south shore picketed leads from a single set to a double set. Install an electric hoist system that will service all of them. This will allow for easier cleaning of the leads and prevent fish from becoming trapped between the leads during cleaning.
5. Modify the method of attachment of ladder exit debris booms and install exit booms capable of withstanding turbulent waters.
6. Operate the number of fish pumps needed to keep the fishway in criteria, such as three pumps during periods of higher tailwater levels, and two pumps at higher speeds when

tailwater is lower. Manipulate weir gate depths and entrance head differentials as needed to keep all inspection points in criteria.

7. Finish rebuilding the fish pumps to fix the bearing housing attachment problems so that three reliable fish pumps are available to meet criteria.
8. Fully open the north shore Diffuser N1 and N2B gates to obtain higher head differentials at main entrances, greater weir depths, and increase total system discharge.
9. Improve south shore fishway conditions by either reversing the direction Diffuser S1 gates move with increasing tailwater or converting them from automatic operation to a fixed setting.
10. Verify the condition and settings for all diffuser gates and calibrate position indicators to actual gate position when the AWS is unwatered for inspection and maintenance.
11. Rebuild the operating equipment for south shore entrance gates. All other fish ladder entrance gates have been rebuilt.
12. Repair north and south shore fish ladder joint leakage.

Table 2. Summary of adult fishway inspections at Lower Monumental Dam, 2013 [1]

			------Not Enough Depth------			-------Too Much Depth-------		
Criteria and Locations	**No. in Criteria/ No. on Sill/ No. of Inspections**	**% In Criteria/ % On Sill**	**No./% Within 0.01-0.1 Foot**	**No./% Within 0.11-0.2 Foot**	**No./% >0.2 Foot**	**No./% Within 0.01-0.1 Foot**	**No./% Within 0.11-0.2 Foot**	**No./% >0.2 Foot**
North Channel Water Velocities	175 *** 175	100.0 ***	*** ***	*** ***	*** ***	*** ***	*** ***	*** ***
Differentials								
North Ladder								
Ladder Exit	174 *** 176	98.9 ***	*** ***	*** ***	*** ***	0 0.0	0 0.0	2 1.1
Ladder Weirs	176 *** 176	100.0 ***	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
Counting Station	174 *** 176	98.9 ***	*** ***	*** ***	*** ***	0 0.0	0 0.0	2 1.1
South Ladder								
Ladder Exit	176 *** 176	100.0 ***	*** ***	*** ***	*** ***	0 0.0	0 0.0	0 0.0
Ladder Weirs	175 *** 176	99.4 ***	1 0.6	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
Counting Station	176 *** 176	100.0 ***	*** ***	*** ***	*** ***	0 0.0	0 0.0	0 0.0
Coll. Channels								
North Shore Entrance	176 *** 176	100.0 ***	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
South Powerhouse Entrance	175 *** 176	99.4 ***	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	1 0.6
South Shore Entrance	176 *** 176	100.0 ***	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0
Weir Depths								
NSE-1[2]	172 2 176	97.7 1.1	2 1.1	0 0.0	0 0.0	*** ***	*** ***	*** ***
NSE-2[2]	170 2 176	96.6 1.1	1 0.6	3 1.7	0 0.0	*** ***	*** ***	*** ***
SPE-1[2]	6 170 176	3.4 96.6	1 0.6	1 0.6	0 0.0	*** ***	*** ***	*** ***
SPE-2[2]	6 170 176	3.4 96.6	0 0.0	1 0.6	0 0.0	*** ***	*** ***	*** ***
SSE-1[2]	53 123 176	30.1 69.9	0 0.0	0 0.0	0 0.0	*** ***	*** ***	*** ***
SSE-2	176 Not Applic. 176	100.0 ***	0 0.0	0 0.0	0 0.0	*** ***	*** ***	*** ***

[1] Data from Appendix 1.
[2] "On sill" means the weirgate is resting on its sill and meets "on sill" criteria at this location

SYNOPSIS OF JUVENILE FISH FACILITY OPERATION

Facility Description

Juvenile fish facilities at Lower Monumental Dam consist of: standard length submersible traveling screens, twelve inch orifices, a collection channel that terminates in a dewatering structure, transport flume, separator, and fish distribution system including, PIT tag bypass, sampling, holding facilities distribution, and barge and truck loading.

Each of the 18 bulkhead slots contains two orifices for diverting fish into the collection channel. Eighteen to 21 orifices are open at any one time with a minimum of one orifice open on all bulkhead slots of operating units. Lights are directed at each open orifice to enhance fish movement into the collection channel. The collection channel terminates at the primary dewatering structure where all but 30 cfs flow is removed. That remaining 30 cfs flow and fish are routed through the transport flume to the separator. Upon reaching the separator, adult and non-target fish are released to the river and juvenile fish pass below the separator bars and enter the distribution system. The distribution system directs the fish to their target locations.

Facility Modifications

The following modifications were made to the JFF prior to or during the 2013 fish collection season:

1. Replaced all raceway tailscreens with an improved slotted perforated plate system. (lamprey improvement program)
2. Replaced porosity unit perforated plates with plates which have narrower slots.
3. A concrete ramp was installed along the transition flume to remove a stumbling hazard in accessing the separator booth.
4. Handrails were added in numerous locations where one might accidently step off an elevated area.

Operation and Maintenance

Turbine Operations

Efforts were made to operate all turbine units within one percent of the peak efficiency from April 1 to October 31. Deviations were infrequent and brief or required by BPA.

Table 1. Summary of Unit Outages and Cause.

Unit	Dates out of service	Reason out of service
All Units	Monthly	STS/VBS inspection.
All Units	March 18-21	Trash rack raking and STS installation
All Units	August 19-26	Doble testing
Unit 1	July 1-25	Annual Maintenance
	July 29	Headgate cylinder removal
	August 30	Blown actuator seal on entry hatch
Unit 2	March 20-21	Insufficient orifice availability to fill juvenile channel prior to bypass water-up
	April 4	Supply breaker failed to close
	July 1	Loss of meter inputs
	September 9 – October 29	Annual Maintenance
Unit 3	April 4	Supply breaker failed to close
	August 12 – September 4	Annual Maintenance
	September 5	Headgate cylinder removal
Unit 4	March 4	Exciter inspection
	May 6-7	Lockout relay control panel tripped at shutdown
	June 17-28	Annual Maintenance
	July 1	Headgate cylinder removal
	July 30	Relay testing
Unit 5	March 5	Slip ring cleaning and PNNL hydrophone installation
	March 12-14	Faulty voltage regulator
	March 22-25	Brake problem
	October 1	PNNL removal of cluster arrays
Unit 6	March 5	Slip ring cleaning and PNNL hydrophone installation
	March 19-20	Insufficient orifice availability to fill juvenile channel prior to bypass water-up
	April 2	Headgate cylinder removal and brake solenoid repair
	July 29 – August 17	Annual Maintenance

Debris/Trash Racks

Trash rack raking occurred between March 18 and 20. A total of 85 cubic yards of debris was removed in this operation. Generally speaking, debris was light this season.

Submersible Screens

The submersible traveling screens (STSs) were inspected and tested on March 5 and were installed from March 19 through 21. After installation, inspection was done monthly by

underwater video camera through November. No STS problems required repair during the 2013 season. Last year inferior mesh fasteners were replaced with upgrades and this prevented failures this season.

STSs were operated in "cycle" mode while the average fork length of subyearling chinook and/or sockeye/kokanee were greater than 120 mm (March 19 through May 13), and in continuous "run" mode when either was less than 120 mm (May 13 to July 23). From July 23 through December 15 they again were operated in cycle mode as fish length exceeded 120 mm.

Vertical Barrier Screens

The vertical barrier screens (VBSs) were inspected by underwater video camera on July 8, 9 and 10. Additionally, they were spot-checked monthly during STS inspections. No problems were found.

Gatewells

Dipping the bulkhead slots (gatewells) yielded 20 cubic yards of debris this season. Gatewells were normally less than 10% covered. Gatewells exceeded the 50% debris criterion only on April 20 and 21 this season. This gatewell debris was removed on Monday, April 22. Occasional oil sheens were dealt with by floating oil absorbent pads in the affected gatewells.

Orifices/Collection Channel

During the 2013 season the number of open orifices varied from 18 to 21 according to forebay level. With the Lower Monumental reservoir at minimum operating pool, water discharge through an orifice is reduced. During this period, extra orifices were opened to supply additional water to the adult fishway. Orifices were cycled and backflushed with air daily to remove debris. Orifice fouling was not a problem this season with low flows and a minimal debris load typifying the season. Orifice lights were checked daily. If a light was not working, the operating orifice was switched to the other orifice in the slot until repairs could be made.

Primary Dewaterer

A major problem occurred regarding the primary dewaterer last season. Two weir stem drive gear assemblies failed. Weirs that were no longer useable were set to an acceptable elevation and an adjustment nut was used to hold them in place. A new automatic weir drive system is being researched and should be installed during the winter maintenance period of 2015.

The mechanical screen cleaner maintained a clean screen throughout the fish passage season. The compressed air screen cleaner functioned well, as usual, and the system as a whole functioned very well keeping debris from plugging the inclined screen. No other breakdowns occurred during the transport season but occasional adjustment of the cables and cable tension device of the mechanical screen cleaner was required.

Wet Separator/Distribution and Sampling Systems

Sudden water level drops at the separator were not a problem this year. Water level remained fairly consistent at the separator with the automated weirs of the primary dewaterer in manual. As has been the case for the last few years, the separator was run at a higher water level to assure no problem with exposed separator bars would occur.

No problems occurred with the PIT-tag diversion gates this season. Gate position sensors were installed seven years ago. These sensors act to prevent the over-travel problem we once had, and by so doing, they eliminated gate failure problems caused by metal fatigue.

Barge Loading Operations

Barge loading operations occurred from May 8 through August 14. Barge loading went very smoothly this season. The guide for the downstream mooring bit, having been deformed in a collision by a barge years ago, has caused a problem with the floating mooring bit sticking low in the guides. Additionally, it has occasionally taken on water. Plans are being made to refurbish all the mooring bits and repair/replace the damaged downstream mooring bit guide.

Truck Loading Operations

Juvenile fish were not transported from August 14 to August 21 due to a high mortality rate related to *columnaris*. From August 21 through August 30, alternate days' collection was transported with non-transport days bypassed. Trucking did not occur from August 30 at 1335 hours until September 4 at 0955 hours due to high mortality caused by *columnaris*. Trucking of alternate days' collection resumed September 4 at 0955 hours and continued through September 18 at 0700 hours. At that time operation changed to collecting fish every day and transporting them on an alternate day schedule. This continued through October 1 at 0700.
Throughout the late season the midi-tanker was used because of low fish numbers. A 2.5 mg/l salt solution was used to treat and/or ease outbreaks of *columnaris*.

Avian Predator Monitoring

Areas of avian predation monitoring included: the forebay, turbine and spillway discharge, and the JFF bypass outfall. Deterrent measures included: bird wires across the tailrace of the powerhouse, water cannon sprinklers at the exit of the bypass outfall pipe, bird deterrent spikes at common perching areas, and hazing (April 1 through June 2) under the animal control contract (APHIS). Two shift coverage (daylight to dusk) occurred from May 7 through June 2.

Avian predators tend to rest in the forebay and chase juvenile fish as they jump. They also spend time perched on the lock wall facing the tailrace. Bird wires were added along the top rail of the lock wall handrail during the winter 08-09 which effectively reduced the perching normally seen there, however, to a great extent the perching only relocated to the deck in front of the handrails.

The following data is based on bird counts taken in three separate procedures: 1. during fish ladder inspections, 2. as hourly observations of the bypass outfall, and 3. as part of the new regional avian monitoring process.

Fish Ladder Inspection Bird Monitoring

Fish ladder inspections are conducted three to six times a week at Lower Monumental Dam to assure ladders are operating within criteria. These inspections are conducted at random times and so contain counts during, as well as absent of active hazing. During daylight hours, gulls were present if hazing was not occurring. High juvenile fish numbers passing the dam via spill related to higher gull numbers in the absence of hazing. In the absence of hazing, gulls appeared to be fairly effective at feeding in the tailrace areas especially during spill. Each ladder inspection includes an avian predator count section for the four areas including: the forebay, spillway, under birdwires of the turbine discharge, and at the bypass outfall. The following summarizes the data collected during fish ladder inspections.

Gulls

During the transport season the maximum gull count in the forebay was 93 (May 12) with a seasonal daily average sighting of 7.1, in the spillway 75 (June 23) with a daily seasonal average sighting of 16, in the birdwire area of the turbine discharge 3 (September 7) with a daily seasonal average sighting of 0.0, and at the bypass outfall 1 (July 20) with a seasonal daily average sighting of 0.0. Gull numbers were again low this year as compared to the past. They began to build in late-April and peaked in mid-May. Gull numbers fell off greatly by mid-June and began increasing again in September as juvenile shad numbers increased.

Hazing was effective at moving the birds out of the area. Two shifts were used to provide daylight to dusk coverage. The second shift of hazing was equally as effective as the morning shift. On days when hazing was not occurring, but fish passage numbers were high, the birds returned and resumed normal feeding behaviors. Gull numbers correlated well with the peak of juvenile fish outmigration this season as has been the rule in the past, but this season as a whole had relatively low total gull numbers. Annual gull numbers were low this year and last as compared to the past.

Pelicans

During the transport season the maximum pelican count in the forebay was 5 (May 8) with a seasonal daily average sighting of 0.2, in the spillway 6 (July 5) with a seasonal daily average sighting of 0.6, and at the bypass outfall 0 (N/A) with a seasonal daily average sighting of 0.0. No pelicans were observed under the bird wires this season.

Terns

During the transport season the maximum tern count in the forebay was 1 (April 21, 28 and August 11) with a seasonal daily average sighting of 0.03, and in the spillway 3 (August 2) with a seasonal daily average sighting of 0.05. No terns were observed under the bird wires or at the bypass outfall this season.

Grebe

During the transport season the maximum grebe count in the forebay was 1 (April 6) with a seasonal daily average sighting of 0.01. No grebes were observed at the spillway, nor under the birdwires or at the bypass outfall this season.

Cormorant

During the transport season the maximum cormorant count in the forebay was 8 (September 22) with a seasonal daily average sighting of 0.5, in the spillway 12 (September 21) with a seasonal daily average sighting of 1.5, and under the birdwires of the turbine discharge 5 (September 26) with a seasonal daily average sighting of 0.01. No cormorants were observed at the bypass outfall this season.

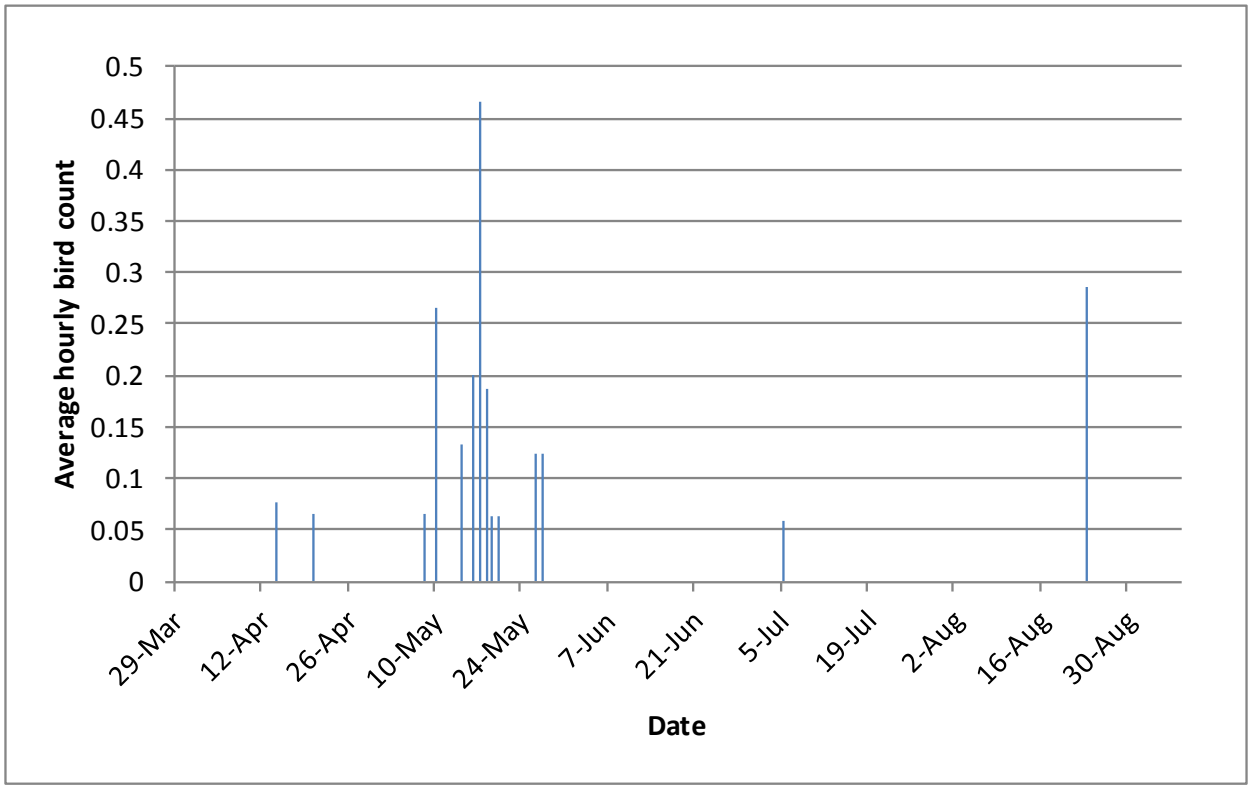
Separator Technician Bird Monitoring of Bypass Outfall

Separator technicians made hourly daylight counts of piscivorous birds at the bypass outfall from April 1 through September 30. Very few birds were seen. A total of 30 birds were sighted during this period. The species sighted and percent of the total sightings were: gulls 25 (83%), pelicans 4 (13%), and osprey 1 (3.3%). The vast majority of sightings occurred in May. Average hourly counts can be seen in Figure 1.

Regional Avian Monitoring Program

One bird count per day was made April 1 through September 30 for inclusion in the regional database for bird sighting location, abundance, and behavior tracking. The time of observation was variable and included both hazed and un-hazed birds. Birds moving between the five zones (FB1, JFOF, PHT1 PHT2 and SWT1) were likely counted more than once. Bird behaviors were assigned as: foraging, flyby, resting, and scavenging. The maximum bird count (all species combined) was 258 birds (May 19), the minimum was 0 (April 1, 3, 7 and 9), and the average was 44.6. Daily total bird counts (all piscivorous birds) are shown in Figure 2.

Figure 1. Bypass outfall average hourly piscivorous bird count by day (April 1 – September 30, 2013), Lower Monumental Dam.



Daily mean total bird counts by zone included: forebay (FB1) 18.15, juvenile facility bypass outfall (JFOF) 0.13, powerhouse tailrace under birdwires (PHT1) 0.16, powerhouse tailrace outside of bird wires (PHT2) 7.31, and spillway tailrace (SWT1) 18.61. Figure 3 shows relative mean total bird numbers across these five zones.

Within each zone the dominant behavior varied. In FB1 89.0% of birds were resting, 7.65% foraging and 3.3% were flyby. In JFOF 61.5% of birds were resting, 30.8% were foraging, and 7.7% were flyby. In PHT1 87.5% of birds were foraging, 6.25% were resting and 6.25% were flyby. In PHT2, 72.7% were resting, 25.9% were foraging and 1.4% were flyby. In SWT1, 56.2% were foraging, 41.9% of birds were resting, 1.9% were flyby. Scavenging was not a significant percentage in any zone. Daily mean bird numbers by zone and behavior are shown in Figure 4.

Figure 2. Daily total bird counts, all zones (April 1 – September 30, 2013), Lower Monumental Dam.

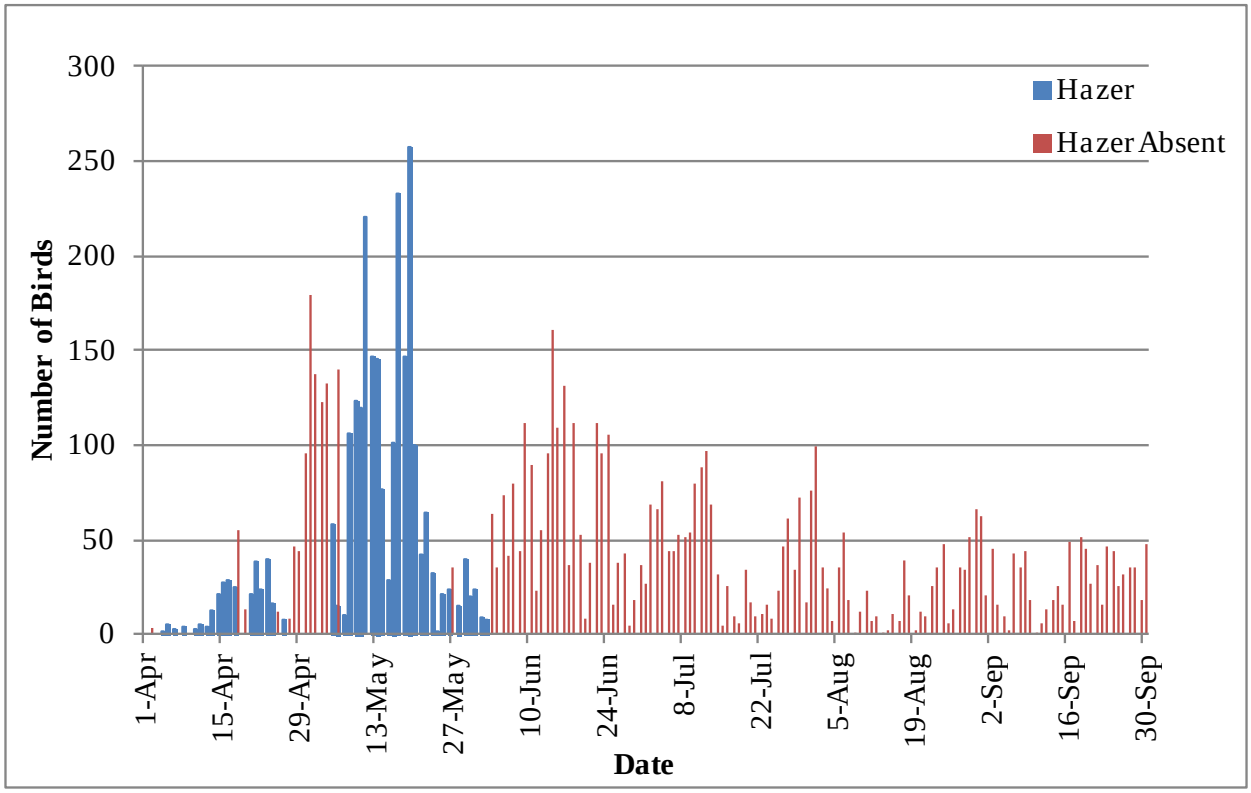
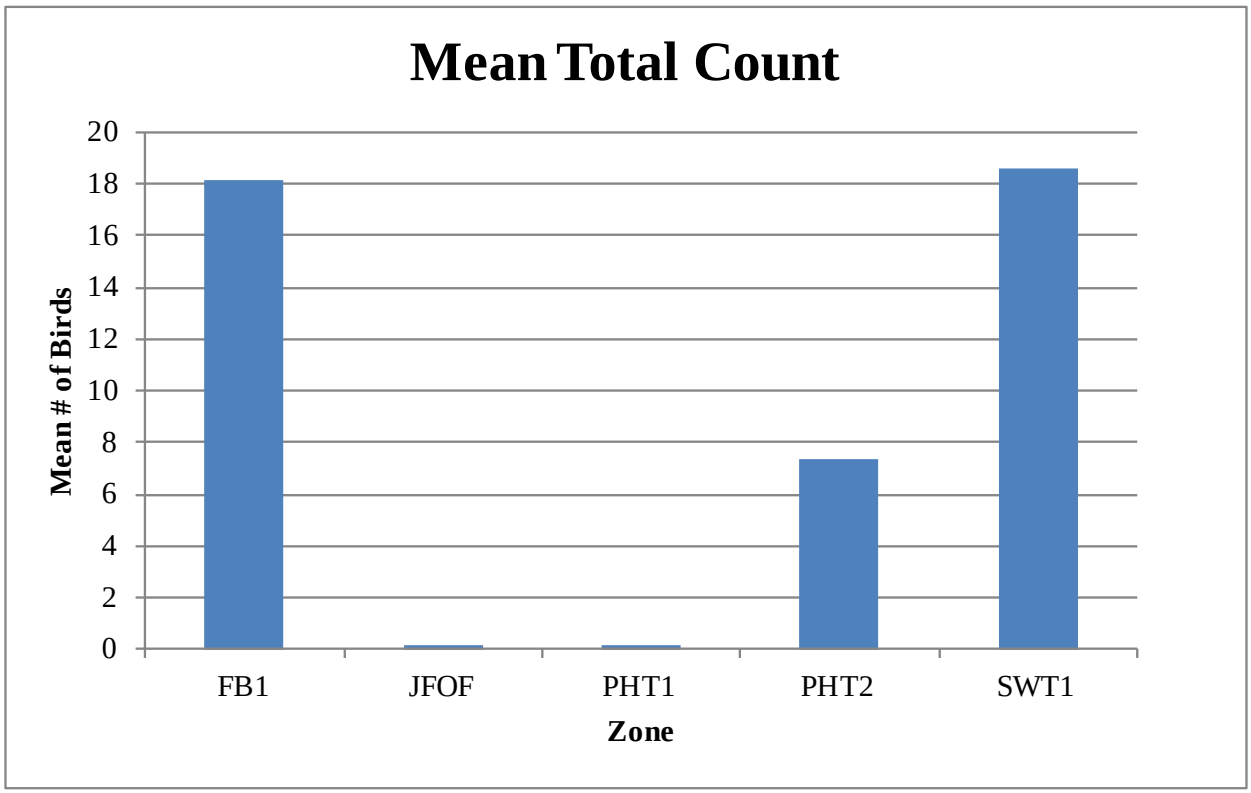


Figure 3. Daily mean bird count by zone (April 1 – September 30, 2013), Lower Monumental Dam.

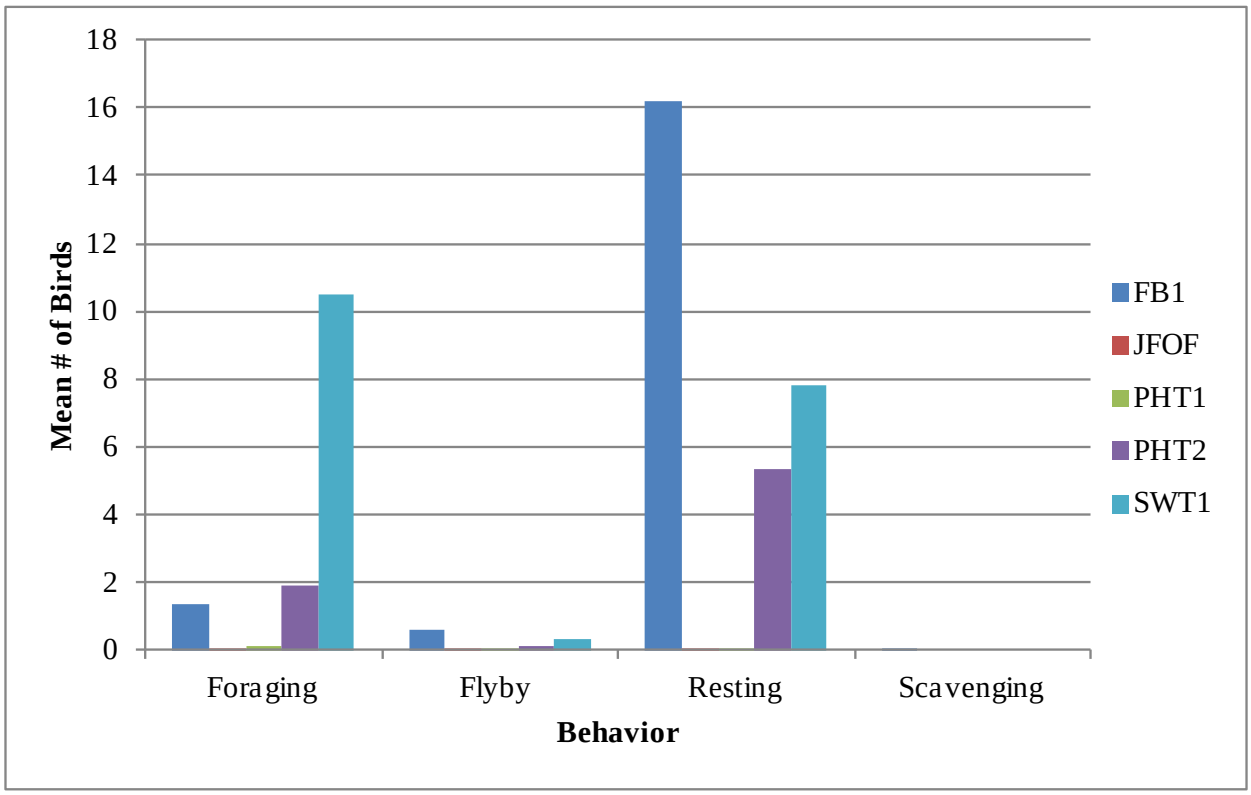


Cooling Water Strainer Counts

Turbine unit cooling water strainers were examined for biologic content once per month throughout operating year 2013. Species content included lamprey, salmon species, steelhead, prawn, and a final category titled "other" which included all other species; the vast majority of which were American shad. The number of each group and percent of the total of individuals of all groups combined was: juvenile lamprey 192 (23.5%), salmon species 29 (3.5%), steelhead 29 (0.5%), prawn 106 (12.1%), and other 485 (59.4%).

Timing of the entry of each group into the strainers represents migration timing coupled with susceptibly of being drawn into the cooling water system for each group at that growth stage. Juvenile lamprey were generally present from January through June with numbers peaking at 80 in June. Salmon species were generally susceptible only in May through July peaking at 16 in May. Steelhead were only susceptible in May totaling 3. Prawn were present throughout the year peaking at 38 in October. The group "Others" was generally present in January and from October through December peaking at 220 in November. The vast majority of all groups were no longer living when collected. The percent of each group released alive was: lamprey 5.2%, salmon species 0%, steelhead 0.0%, prawn 6.6%, and other 0%. Probability of any individual being alive at the time of strainer cleaning was likely more related to time of entry into that strainer rather than which unit's strainer it was found in.

Figure 4. Daily mean bird count by behavior (April 1 – September 30, 2013), Lower Monumental Dam.



Recommendations

1. Resolve the separator sudden water loss problem so that separator efficiency can be improved and fish safety can be achieved at optimum separator water levels.
2. Install a shear boom across the forebay to direct debris to the spillway during the high flow/high debris period to reduce orifice fouling and associated fish injury.
3. Research changing the drive system of the primary dewatering mechanical screen cleaner to a system with reduced maintenance required. Most mechanical screen cleaner failures are related to the drive cable and/or sheave attached to the drive motor shaft. (The correction of this problem may be done this winter)
4. Research converting the porosity unit upstream of the separator to a third stage of the separator designed for the removal and bypassing of fry and juvenile lamprey. The concept has been discussed with COE's engineer Ryan Laughery and he is optimistic regarding its feasibility and functionality. (in AMRIP)
5. Research converting the pipe system between the PIT facility counter tanks and the PIT facility holding tank exits with an open system that eliminates the need to hold fish in the PIT system holding tanks. This also has been discussed with Laughery and he believes it can be accomplished.

APPENDIX TABLES

APPENDIX 1. LOWER MONUMENTAL ADULT FISHWAY INSPECTIONS 2013

DATES:	4-Mar	5-Mar	6-Mar	7-Mar	11-Mar	12-Mar	13-Mar	14-Mar	18-Mar	19-Mar
CHAN'L VELOCITIES (N):	2.2	2.4	2.4	2.6	1.8	2.6	2.3	2.5	2.6	2.2
ELEVATIONS:										
North Fish Ladder										
Forebay	538.9	538.7	538.9	539.0	538.8	539.0	539.0	539.0	538.4	538.7
Exit Pool	538.8	538.6	538.8	539.0	538.7	538.9	538.9	539.0	538.4	538.6
Makeup Diffuser	534.0	534.0	534.1	534.1	534.0	534.0	534.1	534.1	534.1	534.1
U S Picketed Leads	467.9	467.9	467.9	467.9	468.0	468.0	468.0	467.9	468.0	467.9
D S Picketed Leads	467.9	467.8	467.9	467.9	467.9	467.9	467.9	467.9	467.9	467.9
South Fish Ladder										
Forebay	538.9	538.7	538.9	539.0	538.9	539.0	539.0	539.0	538.5	538.7
Exit Pool	538.8	538.6	538.9	538.9	538.8	539.0	539.0	539.0	538.4	538.6
Makeup Diffuser	534.1	534.1	534.1	534.1	534.0	534.1	534.1	534.1	534.1	534.1
U S Picketed Leads	534.1	534.1	534.1	534.1	534.0	534.1	534.1	534.1	534.1	534.1
D S Picketed Leads	534.1	534.1	534.1	534.1	534.0	534.1	534.1	534.1	534.1	534.1
Collection Channels										
North Shore	440.5	440.4	440.7	440.3	441.0	440.9	440.5	440.8	440.5	440.3
South Powerhouse	440.4	440.3	440.6	440.2	440.8	440.7	440.4	440.6	440.3	440.2
South Shore	440.4	440.3	440.5	440.2	440.7	440.6	440.3	440.6	440.0	440.2
Tailwater										
North Shore	439.3	439.3	439.6	439.0	439.8	439.7	439.2	439.6	439.2	439.0
South Powerhouse	439.3	439.2	439.5	439.0	439.7	439.5	439.2	439.5	439.2	439.0
South Shore	439.4	439.2	439.4	439.1	439.6	439.5	439.2	439.4	438.9	439.2
Entrance Weirs										
NSE-1	431.2	431.3	431.5	431.0	431.8	431.6	431.1	431.5	431.1	431.0
NSE-2	431.2	431.3	431.5	431.0	431.8	431.6	431.1	431.6	431.1	430.9
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	431.3	431.0	431.2	431.0	431.6	431.4	431.1	431.4	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	0.0	0.1	0.1	0.1	0.0	0.0	0.1
Ladder Weirs	1.0	1.0	1.1	1.1	1.0	1.0	1.1	1.1	1.1	1.1
Counting Station	0.0	0.1	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.0
South Fish Ladder										
Ladder Exit	0.1	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.1
Ladder Weirs	1.1	1.1	1.1	1.1	1.0	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	1.1	1.1	1.3	1.2	1.2	1.3	1.2	1.3	1.3
South Powerhouse	1.1	1.1	1.1	1.2	1.1	1.2	1.2	1.1	1.1	1.2
South Shore	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.1	1.0
Weir Depths										
NSE-1	8.1	8.0	8.1	8.0	8.0	8.1	8.1	8.1	8.1	8.0
NSE-2	8.1	8.0	8.1	8.0	8.0	8.1	8.1	8.0	8.1	8.1
SPE-1	7.3	7.2	7.5	7.0	7.7	7.5	7.2	7.5	7.2	7.0
SPE-2	7.3	7.2	7.5	7.0	7.7	7.5	7.2	7.5	7.2	7.0
SSE-1	8.1	8.2	8.2	8.1	8.0	8.1	8.1	8.0	7.9	8.2
SSE-2 (feet above sill)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
CRITERIA POINTS:										
Channel Velocities	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Differentials										
North Fish Ladder										
Ladder Exit	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Counting Station	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
South Fish Ladder										
Ladder Exit	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Counting Station	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Collection Channels										
North Shore	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
South Powerhouse	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
South Shore	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Weir Depths										
NSE-1	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
NSE-2	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
SPE-1	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL
SPE-2	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL
SSE-1	YES	YES	YES	YES	YES	YES	YES	YES	SILL	YES
SSE-2 (feet above sill)	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
CRITERIA POINTS: YES	**(Output = 0, 1, or NA)**									
Channel Velocities	1	1	1	1	1	1	1	1	1	1
Differentials										
North Fish Ladder										
Ladder Exit	1	1	1	1	1	1	1	1	1	1

APPENDIX 1 (CONTINUED). LOWER MONUMENTAL ADULT FISHWAY INSPECTIONS 2013

DATES:	20-Mar	24-Mar	25-Mar	26-Mar	29-Mar	30-Mar	31-Mar	1-Arp	3-Apr	4-Apr
CHAN'L VELOCITIES (N):	2.3	2.4	2.4	2.5	2.8	2.1	1.8	2.7	2.6	2.6
ELEVATIONS:										
North Fish Ladder										
Forebay	538.7	538.7	537.9	538.1	538.6	538.5	538.2	537.7	537.5	537.5
Exit Pool	538.6	538.6	537.8	538.0	538.6	538.4	538.1	537.5	537.5	537.4
Makeup Diffuser	534.0	534.1	534.2	534.1	534.0	534.1	534.1	534.1	534.3	534.0
U S Picketed Leads	468.0	467.9	467.9	467.9	468.0	467.9	467.9	467.9	468.0	467.9
D S Picketed Leads	467.9	467.8	467.8	467.8	467.8	467.8	467.8	467.8	467.8	467.7
South Fish Ladder										
Forebay	538.7	538.8	538.0	538.2	538.6	538.6	538.2	537.8	537.5	537.4
Exit Pool	538.7	538.6	537.6	538.1	538.6	538.5	538.1	537.6	537.5	537.4
Makeup Diffuser	534.0	534.1	534.0	534.1	534.1	534.1	534.1	534.1	534.0	534.1
U S Picketed Leads	534.1	534.1	534.0	534.1	534.1	534.1	534.1	534.1	534.2	534.1
D S Picketed Leads	534.0	534.1	534.0	534.1	534.1	534.1	534.1	534.1	534.0	534.1
Collection Channels										
North Shore	439.7	440.0	440.0	440.1	440.8	440.5	440.4	440.9	439.8	439.6
South Powerhouse	439.5	439.8	439.9	440.1	440.6	440.5	440.2	440.7	439.6	439.5
South Shore	439.4	439.6	439.8	439.8	440.5	440.9	440.1	441.2	438.8	438.5
Tailwater										
North Shore	438.5	438.7	438.8	438.9	439.6	439.5	439.3	439.7	438.4	438.5
South Powerhouse	438.5	438.7	438.8	439.0	439.5	439.3	439.0	439.6	438.1	438.4
South Shore	438.3	438.6	438.7	438.6	439.4	439.9	439.0	440.1	437.7	437.4
Entrance Weirs										
NSE-1	430.3	430.6	430.5	430.4	431.4	430.9	431.1	431.6	430.2	430.2
NSE-2	430.4	430.6	430.5	430.4	431.4	430.9	431.1	431.6	430.3	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	431.4	431.8	431.0	432.1	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	0.1	0.0	0.1	0.1	0.2	0.0	0.1
Ladder Weirs	1.0	1.1	1.2	1.1	1.0	1.1	1.1	1.1	1.3	1.0
Counting Station	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.2	0.2
South Fish Ladder										
Ladder Exit	0.0	0.2	0.4	0.1	0.0	0.1	0.1	0.2	0.0	0.0
Ladder Weirs	1.0	1.1	1.0	1.1	1.1	1.1	1.1	1.1	1.0	1.1
Counting Station	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
Collection Channels										
North Shore	1.2	1.3	1.2	1.2	1.2	1.0	1.1	1.2	1.4	1.1
South Powerhouse	1.0	1.1	1.1	1.1	1.1	1.2	1.2	1.1	1.5	1.1
South Shore	1.1	1.0	1.1	1.2	1.1	1.0	1.1	1.1	1.1	1.1
Weir Depths										
NSE-1	8.2	8.1	8.3	8.5	8.2	8.6	8.2	8.1	8.2	8.3
NSE-2	8.1	8.1	8.3	8.5	8.2	8.6	8.2	8.1	8.1	8.3
SPE-1	6.5	6.7	6.8	7.0	7.5	7.3	7.0	7.6	6.1	6.4
SPE-2	6.5	6.7	6.8	7.0	7.5	7.3	7.0	7.6	6.1	6.4
SSE-1	7.3	7.6	7.7	7.6	8.0	8.1	8.0	8.0	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
CRITERIA POINTS:										
Channel Velocities	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Differentials										
North Fish Ladder										
Ladder Exit	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Counting Station	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
South Fish Ladder										
Ladder Exit	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Counting Station	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Collection Channels										
North Shore	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
South Powerhouse	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
South Shore	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Weir Depths										
NSE-1	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
NSE-2	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
SPE-1	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL
SPE-2	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL	SILL
SSE-1	SILL	SILL	SILL	SILL	YES	YES	YES	YES	SILL	SILL
SSE-2 (feet above sill)	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
CRITERIA POINTS: YES	**(Output = 0, 1, or NA)**									**(Output = 0**
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

DATES:	DATES:	5-Apr	6-Apr	7-Apr	8-Apr	9-Apr	11-Apr	13-Apr
CHAN'L VELOCITIES (N):	CHAN'L VELOCITIES (N):	2.2	2.4	2.4	2.4	2.4	2.5	2.6
ELEVATIONS:	ELEVATIONS:							
North Fish Ladder	North Fish Ladder							
Forebay	Forebay	537.5	537.3	537.2	537.4	537.4	537.2	537.3
Exit Pool	Exit Pool	537.5	537.3	537.2	537.4	537.4	537.2	537.3
Makeup Diffuser	Makeup Diffuser	534.0	534.1	534.1	534.1	534.0	534.0	534.1
U S Picketed Leads	U S Picketed Leads	467.9	467.9	467.9	467.9	468.0	467.9	467.9
D S Picketed Leads	D S Picketed Leads	467.7	467.7	467.7	467.7	467.8	467.8	467.7
South Fish Ladder	South Fish Ladder							
Forebay	Forebay	537.5	537.4	537.2	537.4	537.4	537.3	537.4
Exit Pool	Exit Pool	537.5	537.2	537.2	537.3	537.3	537.2	537.3
Makeup Diffuser	Makeup Diffuser	534.1	534.1	534.1	534.1	534.1	534.0	534.1
U S Picketed Leads	U S Picketed Leads	534.1	534.1	534.1	534.1	534.1	534.0	534.1
D S Picketed Leads	D S Picketed Leads	534.1	534.1	534.1	534.1	534.1	534.0	534.1
Collection Channels	Collection Channels							
North Shore	North Shore	440.1	440.4	440.4	441.0	440.5	440.2	439.7
South Powerhouse	South Powerhouse	440.0	440.2	440.3	440.8	440.3	440.0	439.3
South Shore	South Shore	439.1	439.6	439.9	440.4	439.7	439.3	439.0
Tailwater	Tailwater							
North Shore	North Shore	438.8	439.3	439.2	439.7	439.1	438.8	438.3
South Powerhouse	South Powerhouse	438.8	439.0	439.1	439.6	439.2	438.7	438.1
South Shore	South Shore	438.0	438.5	438.8	439.1	438.6	438.2	437.9
Entrance Weirs	Entrance Weirs							
NSE-1	NSE-1	430.6	431.0	431.0	431.6	431.1	430.7	430.3
NSE-2	NSE-2	430.6	431.0	431.1	431.6	431.0	430.8	430.2
SPE-1	SPE-1	432.0	432.0	432.0	432.0	432.0	432.0	432.0
SPE-2	SPE-2	432.0	432.0	432.0	432.0	432.0	432.0	432.0
SSE-1	SSE-1	431.0	431.0	431.0	431.0	431.0	431.0	431.0
SSE-2 (feet above sill)	SSE-2 (feet above sill)	6.0	6.0	6.0	6.0	6.0	6.0	6.0
DIFFERENTIALS/DEPTHS:	DIFFERENTIALS/DEPTHS:							
North Fish Ladder	North Fish Ladder							
Ladder Exit	Ladder Exit	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ladder Weirs	Ladder Weirs	1.0	1.1	1.1	1.1	1.0	1.0	1.1
Counting Station	Counting Station	0.2	0.2	0.2	0.2	0.2	0.1	0.2
South Fish Ladder	South Fish Ladder							
Ladder Exit	Ladder Exit	0.0	0.2	0.0	0.1	0.1	0.1	0.1
Ladder Weirs	Ladder Weirs	1.1	1.1	1.1	1.1	1.1	1.0	1.1
Counting Station	Counting Station	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Collection Channels	Collection Channels							
North Shore	North Shore	1.3	1.1	1.2	1.3	1.4	1.4	1.4
South Powerhouse	South Powerhouse	1.2	1.2	1.2	1.2	1.1	1.3	1.2
South Shore	South Shore	1.1	1.1	1.1	1.3	1.1	1.1	1.1
Weir Depths	Weir Depths							
NSE-1	NSE-1	8.2	8.3	8.2	8.1	8.0	8.1	8.0
NSE-2	NSE-2	8.2	8.3	8.1	8.1	8.1	8.0	8.1
SPE-1	SPE-1	6.8	7.0	7.1	7.6	7.2	6.7	6.1
SPE-2	SPE-2	6.8	7.0	7.1	7.6	7.2	6.7	6.1
SSE-1	SSE-1	7.0	7.5	7.8	8.1	7.6	7.2	6.9
SSE-2 (feet above sill)	SSE-2 (feet above sill)	6.0	6.0	6.0	6.0	6.0	6.0	6.0
CRITERIA POINTS:	CRITERIA POINTS:							
Channel Velocities	Channel Velocities	YES	YES	YES	YES	YES	YES	YES
Differentials	Differentials							
North Fish Ladder	North Fish Ladder							
Ladder Exit	Ladder Exit	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	Ladder Weirs	YES	YES	YES	YES	YES	YES	YES
Counting Station	Counting Station	YES	YES	YES	YES	YES	YES	YES
South Fish Ladder	South Fish Ladder							
Ladder Exit	Ladder Exit	YES	YES	YES	YES	YES	YES	YES
Ladder Weirs	Ladder Weirs	YES	YES	YES	YES	YES	YES	YES
Counting Station	Counting Station	YES	YES	YES	YES	YES	YES	YES
Collection Channels	Collection Channels							
North Shore	North Shore	YES	YES	YES	YES	YES	YES	YES
South Powerhouse	South Powerhouse	YES	YES	YES	YES	YES	YES	YES
South Shore	South Shore	YES	YES	YES	YES	YES	YES	YES
Weir Depths	Weir Depths							
NSE-1	NSE-1	YES	YES	YES	YES	YES	YES	YES
NSE-2	NSE-2	YES	YES	YES	YES	YES	YES	YES
SPE-1	SPE-1	SILL	SILL	SILL	SILL	SILL	SILL	SILL
SPE-2	SPE-2	SILL	SILL	SILL	SILL	SILL	SILL	SILL
SSE-1	SSE-1	SILL	SILL	SILL	YES	SILL	SILL	SILL
SSE-2 (feet above sill)	SSE-2 (feet above sill)	YES	YES	YES	YES	YES	YES	YES
CRITERIA POINTS: YES	CRITERIA POINTS: YES							
Channel Velocities	Channel Velocities	1	1	1	1	1	1	1
Differentials	Differentials							
North Fish Ladder	North Fish Ladder							
Ladder Exit	Ladder Exit	1	1	1	1	1	1	1

14-Apr	17-Apr	18-Apr	DATES:	19-Apr	20-Apr	21-Apr	24-Apr	25-Apr	26-Apr	27-Apr
2.7	2.6	2.2	CHAN'L VELOCITIES (N):	2.6	1.7	2.1	1.7	1.8	2.2	2
			ELEVATIONS:							
			North Fish Ladder							
537.3	537.5	537.6	Forebay	537.7	537.6	537.3	537.7	537.6	537.5	537.6
537.2	537.5	537.6	Exit Pool	537.7	537.6	537.3	537.6	537.5	537.5	537.6
534.0	534.0	534.1	Makeup Diffuser	534.0	534.0	534.1	534.0	534.0	534.0	534.1
467.9	467.9	467.9	U S Picketed Leads	467.9	467.9	467.9	468.1	467.9	467.9	467.8
467.7	467.7	467.7	D S Picketed Leads	467.7	467.7	467.7	468.0	467.7	467.7	467.7
			South Fish Ladder							
537.2	537.5	537.6	Forebay	537.7	537.6	537.3	537.7	537.6	537.5	537.6
537.2	537.5	537.5	Exit Pool	537.7	537.6	537.3	537.6	537.5	537.4	537.6
534.1	534.0	534.1	Makeup Diffuser	534.1	534.1	534.1	534.0	534.1	534.1	534.0
534.1	534.1	534.1	U S Picketed Leads	534.1	534.1	534.1	534.2	534.1	534.1	534.0
534.1	534.0	534.1	D S Picketed Leads	534.1	534.1	534.1	534.0	534.1	534.1	534.0
			Collection Channels							
440.2	439.8	439.2	North Shore	439.7	439.2	439.5	439.3	439.0	439.2	439.7
440.0	439.5	439.1	South Powerhouse	439.4	439.1	439.3	439.1	439.1	439.3	439.5
439.4	438.9	438.5	South Shore	438.8	438.7	438.4	438.3	438.1	438.3	439.0
			Tailwater							
438.8	438.6	437.8	North Shore	438.4	437.9	438.1	437.6	437.6	438.0	438.2
438.7	438.5	437.7	South Powerhouse	438.3	438.0	438.1	437.5	437.9	438.0	438.3
438.3	437.7	437.3	South Shore	437.7	437.6	437.3	437.1	436.9	437.2	437.0
			Entrance Weirs							
430.8	430.1	429.7	NSE-1	430.3	429.6	430.0	429.5	429.1	429.7	430.2
430.7	430.4	429.7	NSE-2	430.4	429.6	429.9	429.5	429.1	429.7	430.2
432.0	432.0	432.0	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
431.0	431.0	431.0	SSE-1	431.0	431.0	431.0	431.0	431.0	431.0	431.0
6.0	6.0	6.0	SSE-2 (feet above sill)	6.0	6.0	6.0	6.0	6.0	6.0	6.0
			DIFFERENTIALS/DEPTHS:							
			North Fish Ladder							
0.1	0.0	0.0	Ladder Exit	0.0	0.0	0.0	0.1	0.1	0.0	0.0
1.0	1.0	1.1	Ladder Weirs	1.0	1.0	1.1	1.0	1.0	1.0	1.1
0.2	0.2	0.2	Counting Station	0.2	0.2	0.2	0.1	0.2	0.2	0.1
			South Fish Ladder							
0.0	0.0	0.1	Ladder Exit	0.0	0.0	0.0	0.1	0.1	0.1	0.0
1.1	1.0	1.1	Ladder Weirs	1.1	1.1	1.1	1.0	1.1	1.1	1.0
0.0	0.1	0.0	Counting Station	0.0	0.0	0.0	0.2	0.0	0.0	0.0
			Collection Channels							
1.4	1.2	1.4	North Shore	1.3	1.3	1.4	1.7	1.4	1.2	1.5
1.3	1.0	1.4	South Powerhouse	1.1	1.1	1.2	1.6	1.2	1.3	1.2
1.1	1.2	1.2	South Shore	1.1	1.1	1.1	1.2	1.2	1.1	2.0
			Weir Depths							
8.0	8.5	8.1	NSE-1	8.1	8.3	8.1	8.1	8.5	8.3	8.0
8.1	8.2	8.1	NSE-2	8.0	8.3	8.2	8.1	8.5	8.3	8.0
6.7	6.5	5.7	SPE-1	6.3	6.0	6.1	5.5	5.9	6.0	6.3
6.7	6.5	5.7	SPE-2	6.3	6.0	6.1	5.5	5.9	6.0	6.3
7.3	6.7	6.3	SSE-1	6.7	6.6	6.3	6.1	5.9	6.2	6.0
6.0	6.0	6.0	SSE-2 (feet above sill)	6.0	6.0	6.0	6.0	6.0	6.0	6.0
			CRITERIA POINTS:							
YES	YES	YES	**Channel Velocities**	YES	YES	YES	YES	YES	YES	YES
			Differentials							
			North Fish Ladder							
YES	YES	YES	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
			South Fish Ladder							
YES	YES	YES	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
			Collection Channels							
YES	YES	YES	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
			Weir Depths							
YES	YES	YES	NSE-1	YES	YES	YES	YES	YES	YES	YES
YES	YES	YES	NSE-2	YES	YES	YES	YES	YES	YES	YES
SILL	SILL	SILL	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
YES	YES	YES	SSE-2 (feet above sill)	YES	YES	YES	YES	YES	YES	YES
		(Output = 0	**CRITERIA POINTS: YES**							
1	1	1	**Channel Velocities**	1	1	1	1	1	1	1
			Differentials							
			North Fish Ladder							
1	1	1	Ladder Exit	1	1	1	1	1	1	1

28-Apr	30-Apr	1-May	DATES:	2-May	3-May	4-May	5-May	6-May	8-May	10-May
2.3	2.3	2.5	CHAN'L VELOCITIES (N):	2.3	2	2.4	2	2.4	2.8	2.5
			ELEVATIONS:							
			North Fish Ladder							
537.3	537.6	537.4	Forebay	537.3	537.4	537.4	537.4	537.4	537.0	537.4
537.2	537.6	537.4	Exit Pool	537.3	537.4	537.3	537.4	537.4	537.0	537.4
534.0	534.0	534.1	Makeup Diffuser	534.0	534.1	534.0	534.1	534.0	534.2	534.1
467.8	467.9	467.9	U S Picketed Leads	467.9	467.9	467.9	467.9	467.9	468.0	467.9
467.7	467.7	467.7	D S Picketed Leads	467.7	467.7	467.7	467.7	467.7	467.7	467.7
			South Fish Ladder							
537.2	537.6	537.4	Forebay	537.3	537.4	537.4	537.4	537.5	537.0	537.5
537.2	537.5	537.4	Exit Pool	537.2	537.3	537.4	537.4	537.3	537.0	537.4
534.1	534.1	534.0	Makeup Diffuser	534.1	534.1	534.1	534.1	534.0	534.0	534.1
534.1	534.1	534.2	U S Picketed Leads	534.1	534.1	534.1	534.1	534.1	534.2	534.1
534.1	534.1	534.0	D S Picketed Leads	534.1	534.1	534.1	534.1	534.1	534.0	534.1
			Collection Channels							
439.1	440.2	440.0	North Shore	439.7	439.2	439.8	439.2	440.2	440.6	441.9
439.0	440.0	439.8	South Powerhouse	439.6	439.2	439.7	439.1	440.0	440.4	441.6
438.2	439.4	438.9	South Shore	438.6	438.4	439.0	438.3	439.3	438.8	440.7
			Tailwater							
437.7	438.8	438.6	North Shore	438.6	438.0	438.6	437.7	438.9	438.8	440.6
437.7	438.7	438.2	South Powerhouse	438.5	438.0	438.5	437.6	438.8	438.8	440.5
437.0	438.3	437.8	South Shore	437.5	437.3	437.9	437.1	438.1	437.7	439.6
			Entrance Weirs							
429.6	430.6	430.5	NSE-1	430.2	429.6	430.6	429.6	430.6	430.5	432.6
429.6	430.6	430.5	NSE-2	430.2	429.6	430.5	429.6	430.6	430.6	432.5
432.0	432.0	432.0	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
431.0	431.0	431.0	SSE-1	431.0	431.0	431.0	431.0	431.0	431.0	431.0
6.0	6.0	6.0	SSE-2 (feet above sill)	6.0	6.0	6.0	6.0	6.0	6.0	6.0
			DIFFERENTIALS/DEPTHS:							
			North Fish Ladder							
0.1	0.0	0.0	Ladder Exit	0.0	0.0	0.1	0.0	0.0	0.0	0.0
1.0	1.0	1.1	Ladder Weirs	1.0	1.1	1.0	1.1	1.0	1.2	1.1
0.1	0.2	0.2	Counting Station	0.2	0.2	0.2	0.2	0.2	0.3	0.2
			South Fish Ladder							
0.0	0.1	0.0	Ladder Exit	0.1	0.1	0.0	0.0	0.2	0.0	0.1
1.1	1.1	1.0	Ladder Weirs	1.1	1.1	1.1	1.1	1.0	1.0	1.1
0.0	0.0	0.2	Counting Station	0.0	0.0	0.0	0.0	0.0	0.2	0.0
			Collection Channels							
1.4	1.4	1.4	North Shore	1.1	1.2	1.2	1.5	1.3	1.8	1.3
1.3	1.3	1.6	South Powerhouse	1.1	1.2	1.2	1.5	1.2	1.6	1.1
1.2	1.1	1.1	South Shore	1.1	1.1	1.1	1.2	1.2	1.1	1.1
			Weir Depths							
8.1	8.2	8.1	NSE-1	8.4	8.4	8.0	8.1	8.3	8.3	8.0
8.1	8.2	8.1	NSE-2	8.4	8.4	8.1	8.1	8.3	8.2	8.1
5.7	6.7	6.2	SPE-1	6.5	6.0	6.5	5.6	6.8	6.8	8.5
5.7	6.7	6.2	SPE-2	6.5	6.0	6.5	5.6	6.8	6.8	8.5
6.0	7.3	6.8	SSE-1	6.5	6.3	6.9	6.1	7.1	6.7	8.6
6.0	6.0	6.0	SSE-2 (feet above sill)	6.0	6.0	6.0	6.0	6.0	6.0	6.0
			CRITERIA POINTS:							
YES	YES	YES	**Channel Velocities**	YES	YES	YES	YES	YES	YES	YES
			Differentials							
			North Fish Ladder							
YES	YES	YES	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
			South Fish Ladder							
YES	YES	YES	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
			Collection Channels							
YES	YES	YES	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
			Weir Depths							
YES	YES	YES	NSE-1	YES	YES	YES	YES	YES	YES	YES
YES	YES	YES	NSE-2	YES	YES	YES	YES	YES	YES	YES
SILL	SILL	SILL	SPE-1	SILL	SILL	SILL	SILL	SILL	SILL	YES
SILL	SILL	SILL	SPE-2	SILL	SILL	SILL	SILL	SILL	SILL	YES
SILL	SILL	SILL	SSE-1	SILL	SILL	SILL	SILL	SILL	SILL	YES
YES	YES	YES	SSE-2 (feet above sill)	YES	YES	YES	YES	YES	YES	YES
		(Output = 0	**CRITERIA POINTS: YES**							
1	1	1	**Channel Velocities**	1	1	1	1	1	1	1
			Differentials							
			North Fish Ladder							
1	1	1	Ladder Exit	1	1	1	1	1	1	1

11-May	12-May	15-May	DATES:	17-May	18-May	20-May	22-May	24-May	25-May	27-May
2.4	2.3	1.8	**CHAN'L VELOCITIES (N):**	2.6	2.9	2.7	2.7	2.6	2.5	2.7
			ELEVATIONS:							
			North Fish Ladder							
537.8	537.7	537.4	Forebay	537.2	537.7	537.1	537.8	537.7	537.7	537.6
537.7	537.6	537.4	Exit Pool	537.2	537.6	537.1	537.8	537.6	537.7	537.5
534.0	534.1	534.2	Makeup Diffuser	534.1	534.1	534.1	534.2	534.1	534.1	534.1
467.9	467.9	467.9	U S Picketed Leads	467.9	467.8	467.9	467.9	467.9	467.8	467.9
467.7	467.7	467.8	D S Picketed Leads	467.8	467.7	467.7	467.8	467.7	467.7	467.7
			South Fish Ladder							
537.8	537.7	537.4	Forebay	537.3	537.3	537.1	537.8	537.7	537.8	537.6
537.8	537.6	537.4	Exit Pool	537.2	537.2	537.1	537.7	537.6	537.7	537.5
534.1	534.1	534.0	Makeup Diffuser	534.1	534.1	534.1	534.0	534.1	534.1	534.1
534.1	534.1	534.2	U S Picketed Leads	534.1	534.1	534.1	534.2	534.1	534.1	534.1
534.1	534.1	534.0	D S Picketed Leads	534.1	534.1	534.1	534.0	534.1	534.1	534.1
			Collection Channels							
443.0	443.5	444.5	North Shore	442.0	441.9	440.9	440.6	440.4	440.3	440.1
442.9	443.3	444.3	South Powerhouse	441.7	441.4	440.6	440.3	440.1	439.9	440.0
442.0	442.3	443.3	South Shore	440.8	440.7	439.7	439.6	439.6	439.6	439.2
			Tailwater							
442.0	442.2	443.5	North Shore	440.8	440.5	439.5	439.2	439.1	438.8	438.7
441.8	442.2	443.3	South Powerhouse	440.6	440.4	439.5	439.1	439.0	438.9	438.7
440.9	441.3	442.2	South Shore	439.7	439.6	438.5	438.5	438.5	438.5	438.1
			Entrance Weirs							
434.0	434.2	434.9	NSE-1	432.7	432.5	431.4	431.1	431.0	430.7	430.7
434.0	434.1	435.1	NSE-2	432.7	432.4	431.4	431.1	431.0	430.7	430.6
433.6	434.0	434.9	SPE-1	432.5	432.4	432.0	432.0	432.0	432.0	432.0
433.7	434.0	435.1	SPE-2	432.4	432.3	432.0	432.0	432.0	432.0	432.0
431.0	433.1	434.1	SSE-1	431.5	431.6	431.0	431.0	431.0	431.0	431.0
6.0	6.0	6.0	SSE-2 (feet above sill)	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	Ladder Exit	0.0	0.1	0.0	0.0	0.1	0.0	0.1
1.0	1.1	1.2	Ladder Weirs	1.1	1.1	1.1	1.2	1.1	1.1	1.1
0.2	0.2	0.1	Counting Station	0.1	0.1	0.2	0.1	0.2	0.1	0.2
			South Fish Ladder							
0.0	0.1	0.0	Ladder Exit	0.1	0.1	0.0	0.1	0.1	0.1	0.1
1.1	1.1	1.0	Ladder Weirs	1.1	1.1	1.1	1.0	1.1	1.1	1.1
0.0	0.0	0.2	Counting Station	0.0	0.0	0.0	0.2	0.0	0.0	0.0
			Collection Channels							
1.0	1.3	1.0	North Shore	1.2	1.4	1.4	1.4	1.3	1.5	1.4
1.1	1.1	1.0	South Powerhouse	1.1	1.0	1.1	1.2	1.1	1.0	1.3
1.1	1.0	1.1	South Shore	1.1	1.1	1.2	1.1	1.1	1.1	1.1
			Weir Depths							
8.0	8.0	8.6	NSE-1	8.1	8.0	8.1	8.1	8.1	8.1	8.0
8.0	8.1	8.4	NSE-2	8.1	8.1	8.1	8.1	8.1	8.1	8.1
8.2	8.2	8.4	SPE-1	8.1	8.0	7.5	7.1	7.0	6.9	6.7
8.1	8.2	8.2	SPE-2	8.2	8.1	7.5	7.1	7.0	6.9	6.7
9.9	8.2	8.1	SSE-1	8.2	8.0	7.5	7.5	7.5	7.5	7.1
6.0	6.0	6.0	SSE-2 (feet above sill)	6.0	6.0	6.0	6.0	6.0	6.0	6.0
			CRITERIA POINTS:							
YES	YES	YES	**Channel Velocities**	YES	YES	YES	YES	YES	YES	YES
			Differentials							
			North Fish Ladder							
YES	YES	YES	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
			South Fish Ladder							
YES	YES	YES	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
			Collection Channels							
YES	YES	YES	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
			Weir Depths							
YES	YES	YES	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	SILL	SILL	SILL	SILL	SILL
YES	YES	YES	SPE-2	YES	YES	SILL	SILL	SILL	SILL	SILL
YES	YES	YES	SSE-1	YES	YES	SILL	SILL	SILL	SILL	SILL
YES	YES	YES	SSE-2 (feet above sill)	YES	YES	YES	YES	YES	YES	YES
		(Output = 0	**CRITERIA POINTS: YES**							
1	1	1	**Channel Velocities**	1	1	1	1	1	1	1
			Differentials							
			North Fish Ladder							
1	1	1	Ladder Exit	1	1	1	1	1	1	1

29-May	1-Jun	2-Jun	DATES:	5-Jun	7-Jun	8-Jun	9-Jun	12-Jun	14-Jun	15-Jun
2.5	2.4	2.5	**CHAN'L VELOCITIES (N):**	2.8	2.8	2.5	2.7	2.3	2.5	2.2
			ELEVATIONS:							
			North Fish Ladder							
537.6	537.6	537.9	Forebay	537.2	537.4	537.6	537.3	537.4	537.6	537.5
537.5	537.5	537.8	Exit Pool	537.2	537.2	537.5	537.3	537.3	537.5	537.4
534.2	534.1	534.1	Makeup Diffuser	534.1	534.1	534.1	534.1	534.1	534.1	534.0
467.9	467.8	467.9	U S Picketed Leads	467.9	467.9	467.9	467.9	467.9	467.9	467.9
467.8	467.7	467.7	D S Picketed Leads	467.7	467.7	467.7	467.7	467.7	467.7	467.7
			South Fish Ladder							
537.6	537.6	537.9	Forebay	537.2	537.4	537.7	537.3	537.4	537.6	537.5
537.5	537.5	537.8	Exit Pool	537.2	537.2	537.5	537.1	537.3	537.4	537.4
534.0	534.0	534.1	Makeup Diffuser	534.0	534.0	534.0	534.1	534.2	534.1	534.0
534.1	534.0	534.1	U S Picketed Leads	534.1	534.0	534.0	534.1	534.0	534.1	534.0
534.0	534.0	534.1	D S Picketed Leads	534.0	534.0	534.0	534.1	534.0	534.1	534.0
			Collection Channels							
439.7	440.2	440.0	North Shore	440.2	440.4	440.9	440.6	440.0	440.2	440.0
439.7	439.8	439.7	South Powerhouse	440.2	440.2	440.6	440.4	439.8	439.9	439.7
438.8	439.2	438.9	South Shore	438.5	439.1	439.8	439.3	438.6	438.8	438.6
			Tailwater							
438.6	438.7	438.6	North Shore	438.5	439.2	439.7	439.2	438.6	438.7	438.6
438.6	438.7	438.5	South Powerhouse	438.3	439.1	439.5	439.1	438.1	438.6	438.6
437.6	438.1	437.6	South Shore	437.2	438.0	438.6	438.3	437.5	437.6	437.4
			Entrance Weirs							
430.2	430.6	430.6	NSE-1	430.6	431.0	431.5	431.1	430.5	430.6	430.4
430.2	430.6	430.6	NSE-2	430.5	431.0	431.4	431.0	430.5	430.6	430.5
432.0	432.0	432.0	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
431.0	431.0	431.0	SSE-1	431.0	431.0	431.0	431.0	431.0	431.0	431.0
6.0	6.0	6.0	SSE-2 (feet above sill)	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	Ladder Exit	0.0	0.2	0.1	0.0	0.1	0.1	0.1
1.2	1.1	1.1	Ladder Weirs	1.1	1.1	1.1	1.1	1.1	1.1	1.0
0.1	0.1	0.2	Counting Station	0.2	0.2	0.2	0.2	0.2	0.2	0.2
			South Fish Ladder							
0.1	0.1	0.1	Ladder Exit	0.0	0.2	0.2	0.2	0.1	0.2	0.1
1.0	1.0	1.1	Ladder Weirs	1.0	1.0	1.0	1.1	1.2	1.1	1.0
0.1	0.0	0.0	Counting Station	0.1	0.0	0.0	0.0	0.0	0.0	0.0
			Collection Channels							
1.1	1.5	1.4	North Shore	1.7	1.2	1.2	1.4	1.4	1.5	1.4
1.1	1.1	1.2	South Powerhouse	1.9	1.1	1.1	1.3	1.7	1.3	1.1
1.2	1.1	1.3	South Shore	1.3	1.1	1.2	1.0	1.1	1.2	1.2
			Weir Depths							
8.4	8.1	8.0	NSE-1	7.9	8.2	8.2	8.1	8.1	8.1	8.2
8.4	8.1	8.0	NSE-2	8.0	8.2	8.3	8.2	8.1	8.1	8.1
6.6	6.7	6.5	SPE-1	6.3	7.1	7.5	7.1	6.1	6.6	6.6
6.6	6.7	6.5	SPE-2	6.3	7.1	7.5	7.1	6.1	6.6	6.6
6.6	7.1	6.6	SSE-1	6.2	7.0	7.6	7.3	6.5	6.6	6.4
6.0	6.0	6.0	SSE-2 (feet above sill)	6.0	6.0	6.0	6.0	6.0	6.0	6.0
			CRITERIA POINTS:							
YES	YES	YES	**Channel Velocities**	YES	YES	YES	YES	YES	YES	YES
			Differentials							
			North Fish Ladder							
YES	YES	YES	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
			South Fish Ladder							
YES	YES	YES	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
			Collection Channels							
YES	YES	YES	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
			Weir Depths							
YES	YES	YES	NSE-1	NO	YES	YES	YES	YES	YES	YES
YES	YES	YES	NSE-2	YES	YES	YES	YES	YES	YES	YES
SILL	SILL	SILL	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
YES	YES	YES	SSE-2 (feet above sill)	YES	YES	YES	YES	YES	YES	YES
		(Output = 0	**CRITERIA POINTS: YES**							
1	1	1	**Channel Velocities**	1	1	1	1	1	1	1
			Differentials							
			North Fish Ladder							
1	1	1	Ladder Exit	1	1	1	1	1	1	1

16-Jun	19-Jun	21-Jun	DATES:	22-Jun	23-Jun	26-Jun	28-Jun	29-Jun	30-Jun	3-Jul
2.3	1.7	2	**CHAN'L VELOCITIES (N):**	2.1	2	2.2	2.1	2.2	2.2	2
			ELEVATIONS:							
			North Fish Ladder							
537.9	537.3	537.7	Forebay	537.8	537.5	537.6	537.6	537.6	537.8	537.6
537.7	537.1	537.7	Exit Pool	537.7	537.5	537.6	537.5	537.6	537.8	537.6
534.0	534.2	534.0	Makeup Diffuser	534.1	534.0	534.2	534.1	534.2	534.1	534.2
467.9	467.9	467.9	U S Picketed Leads	467.9	467.9	467.9	467.9	468.0	467.9	468.0
467.7	467.7	467.8	D S Picketed Leads	467.8	467.7	467.7	467.7	467.8	467.7	467.8
			South Fish Ladder							
537.8	537.3	537.7	Forebay	537.8	537.5	537.6	537.5	537.6	537.8	537.6
537.6	537.3	537.7	Exit Pool	537.8	537.5	537.6	537.5	537.6	537.8	537.6
534.0	534.0	534.0	Makeup Diffuser	534.0	534.0	534.0	534.1	534.0	534.1	534.0
534.0	534.0	534.0	U S Picketed Leads	534.0	534.0	534.2	534.1	534.1	534.1	534.2
534.0	534.0	534.0	D S Picketed Leads	534.0	534.0	534.0	534.1	534.0	534.1	534.0
			Collection Channels							
439.8	439.0	440.1	North Shore	439.4	439.5	439.0	439.4	439.2	439.4	439.3
439.6	438.8	439.9	South Powerhouse	439.2	439.3	439.0	439.2	439.2	439.2	439.3
438.7	438.0	439.3	South Shore	438.5	438.5	438.1	438.4	438.2	438.6	438.4
			Tailwater							
438.3	437.5	438.8	North Shore	438.2	438.2	437.8	438.1	438.0	438.1	437.8
438.3	437.3	438.8	South Powerhouse	438.0	438.1	437.6	438.0	437.6	438.0	437.8
437.6	436.8	438.1	South Shore	437.3	437.5	436.9	437.2	437.0	437.4	437.3
			Entrance Weirs							
430.3	429.4	430.8	NSE-1	430.0	430.2	429.8	430.0	429.9	430.0	429.8
430.3	429.4	430.7	NSE-2	430.0	430.1	429.7	430.0	429.9	430.0	429.8
432.0	432.0	430.0	SPE-1	432.0	432.0	432.0	432.0	432.0	432.0	432.0
432.0	432.0	430.0	SPE-2	432.0	432.0	432.0	432.0	432.0	432.0	432.0
431.0	431.0	430.0	SSE-1	431.0	431.0	431.0	431.0	431.0	431.0	431.0
6.0	6.0	6.0	SSE-2 (feet above sill)	6.0	6.0	6.0	6.0	6.0	6.0	6.0
			DIFFERENTIALS/DEPTHS:							
			North Fish Ladder							
0.2	0.2	0.0	Ladder Exit	0.1	0.0	0.0	0.1	0.0	0.0	0.0
1.0	1.2	1.0	Ladder Weirs	1.1	1.0	1.2	1.1	1.2	1.1	1.2
0.2	0.2	0.1	Counting Station	0.1	0.2	0.2	0.2	0.2	0.2	0.2
			South Fish Ladder							
0.2	0.0	0.0	Ladder Exit	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.0	1.0	1.0	Ladder Weirs	1.0	1.0	1.0	1.1	1.0	1.1	1.0
0.0	0.0	0.0	Counting Station	0.0	0.0	0.2	0.0	0.1	0.0	0.2
			Collection Channels							
1.5	1.5	1.3	North Shore	1.2	1.3	1.2	1.3	1.2	1.3	1.5
1.3	1.5	1.1	South Powerhouse	1.2	1.2	1.4	1.2	1.6	1.2	1.5
1.1	1.2	1.2	South Shore	1.2	1.0	1.2	1.2	1.2	1.2	1.1
			Weir Depths							
8.0	8.1	8.0	NSE-1	8.2	8.0	8.0	8.1	8.1	8.1	8.0
8.0	8.1	8.1	NSE-2	8.2	8.1	8.1	8.1	8.1	8.1	8.0
6.3	5.3	8.8	SPE-1	6.0	6.1	5.6	6.0	5.6	6.0	5.8
6.3	5.3	8.8	SPE-2	6.0	6.1	5.6	6.0	5.6	6.0	5.8
6.6	5.8	8.1	SSE-1	6.3	6.5	5.9	6.2	6.0	6.4	6.3
6.0	6.0	6.0	SSE-2 (feet above sill)	6.0	6.0	6.0	6.0	6.0	6.0	6.0
			CRITERIA POINTS:							
YES	YES	YES	**Channel Velocities**	YES	YES	YES	YES	YES	YES	YES
			Differentials							
			North Fish Ladder							
YES	YES	YES	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
			South Fish Ladder							
YES	YES	YES	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
			Collection Channels							
YES	YES	YES	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
			Weir Depths							
YES	YES	YES	NSE-1	YES	YES	YES	YES	YES	YES	YES
YES	YES	YES	NSE-2	YES	YES	YES	YES	YES	YES	YES
SILL	SILL	SILL	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
YES	YES	YES	SSE-2 (feet above sill)	YES	YES	YES	YES	YES	YES	YES
		(Output = 0	**CRITERIA POINTS: YES**							
1	1	1	**Channel Velocities**	1	1	1	1	1	1	1
			Differentials							
			North Fish Ladder							
1	1	1	Ladder Exit	1	1	1	1	1	1	1

5-Jul	6-Jul	7-Jul	DATES:	10-Jul	12-Jul	13-Jul	17-Jul	19-Jul	20-Jul	21-Jul
2.2	1.8	2	**CHAN'L VELOCITIES (N):**	NA	1.9	2	1.8	2.1	1.6	2
			ELEVATIONS:							
			North Fish Ladder							
537.5	537.4	537.7	Forebay	537.5	537.8	537.7	537.8	537.9	537.3	537.4
537.5	537.4	537.7	Exit Pool	537.5	537.8	537.6	537.8	537.9	537.2	537.4
534.1	534.1	534.1	Makeup Diffuser	534.2	534.0	534.1	534.1	534.1	534.1	534.1
467.9	467.9	467.9	U S Picketed Leads	468.0	467.9	468.0	468.0	467.9	468.0	467.9
467.8	467.8	467.7	D S Picketed Leads	467.7	467.7	467.7	467.8	467.7	467.8	467.7
			South Fish Ladder							
537.5	537.4	537.8	Forebay	537.5	537.8	537.7	537.8	537.8	537.3	537.4
537.5	537.3	537.8	Exit Pool	537.5	537.8	537.6	537.8	537.8	537.2	537.4
534.1	534.0	534.1	Makeup Diffuser	534.0	534.1	534.0	534.0	534.1	534.0	534.1
534.1	534.0	534.1	U S Picketed Leads	534.2	534.1	534.0	534.1	534.1	534.1	534.1
534.1	534.0	534.1	D S Picketed Leads	534.0	534.1	534.0	534.0	534.1	534.0	534.1
			Collection Channels							
439.5	438.5	439.0	North Shore	439.6	438.9	439.6	439.2	438.9	439.0	438.9
439.3	438.5	438.9	South Powerhouse	439.0	438.9	439.3	439.1	438.9	439.0	438.9
438.5	437.7	438.1	South Shore	438.3	437.8	438.5	438.1	438.0	438.3	437.9
			Tailwater							
438.2	437.2	437.6	North Shore	438.4	437.3	438.1	437.5	437.4	437.4	437.2
438.1	437.0	437.5	South Powerhouse	437.6	437.3	437.8	437.4	437.4	437.3	437.2
437.4	436.5	436.7	South Shore	437.0	436.7	437.2	437.0	437.0	437.1	436.7
			Entrance Weirs							
430.1	429.2	429.5	NSE-1	430.0	429.2	430.1	429.3	429.3	429.3	429.1
430.1	429.2	429.5	NSE-2	429.9	429.1	430.1	429.1	429.3	429.2	429.0
432.0	432.0	432.0	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
431.0	431.0	431.0	SSE-1	431.0	431.0	431.0	431.0	431.0	431.0	431.0
6.0	6.0	6.0	SSE-2 (feet above sill)	6.0	6.0	6.0	6.0	6.0	6.0	6.0
			DIFFERENTIALS/DEPTHS:							
			North Fish Ladder							
0.0	0.0	0.0	Ladder Exit	0.0	0.0	0.1	0.0	0.0	0.1	0.0
1.1	1.1	1.1	Ladder Weirs	1.2	1.0	1.1	1.1	1.1	1.1	1.1
0.1	0.1	0.2	Counting Station	0.3	0.2	0.3	0.2	0.2	0.2	0.2
			South Fish Ladder							
0.0	0.1	0.0	Ladder Exit	0.0	0.0	0.1	0.0	0.0	0.1	0.0
1.1	1.0	1.1	Ladder Weirs	1.0	1.1	1.0	1.0	1.1	1.0	1.1
0.0	0.0	0.0	Counting Station	0.2	0.0	0.0	0.1	0.0	0.1	0.0
			Collection Channels							
1.3	1.3	1.4	North Shore	1.2	1.6	1.5	1.7	1.5	1.6	1.7
1.2	1.5	1.4	South Powerhouse	1.4	1.6	1.5	1.7	1.5	1.7	1.7
1.1	1.2	1.4	South Shore	1.3	1.1	1.3	1.1	1.0	1.2	1.2
			Weir Depths							
8.1	8.0	8.1	NSE-1	8.4	8.1	8.0	8.2	8.1	8.1	8.1
8.1	8.0	8.1	NSE-2	8.5	8.2	8.0	8.4	8.1	8.2	8.2
6.1	5.0	5.5	SPE-1	5.6	5.3	5.8	5.4	5.4	5.3	5.2
6.1	5.0	5.5	SPE-2	5.6	5.3	5.8	5.4	5.4	5.3	5.2
6.4	5.5	5.7	SSE-1	6.0	5.7	6.2	6.0	6.0	6.1	5.7
6.0	6.0	6.0	SSE-2 (feet above sill)	6.0	6.0	6.0	6.0	6.0	6.0	6.0
			CRITERIA POINTS:							
YES	YES	YES	**Channel Velocities**	NA	YES	YES	YES	YES	YES	YES
			Differentials							
			North Fish Ladder							
YES	YES	YES	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
			South Fish Ladder							
YES	YES	YES	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
			Collection Channels							
YES	YES	YES	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
			Weir Depths							
YES	YES	YES	NSE-1	YES	YES	YES	YES	YES	YES	YES
YES	YES	YES	NSE-2	YES	YES	YES	YES	YES	YES	YES
SILL	SILL	SILL	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
YES	YES	YES	SSE-2 (feet above sill)	YES	YES	YES	YES	YES	YES	YES
		(Output = 0	**CRITERIA POINTS: YES**							
1	1	1	**Channel Velocities**	NA	1	1	1	1	1	1
			Differentials							
			North Fish Ladder							
1	1	1	Ladder Exit	1	1	1	1	1	1	1

24-Jul	26-Jul	27-Jul	DATES:	28-Jul	31-Jul	2-Aug	3-Aug	4-Aug	5-Aug	7-Aug
1.9	2	1.6	CHAN'L VELOCITIES (N):	1.9	1.9	1.7	1.7	1.8	1.9	1.8
			ELEVATIONS:							
			North Fish Ladder							
537.5	537.2	537.2	Forebay	537.7	537.5	537.5	537.6	537.5	537.6	537.5
537.5	537.2	537.1	Exit Pool	537.7	537.5	537.4	537.6	537.5	537.6	537.5
534.2	534.0	534.1	Makeup Diffuser	534.1	534.2	534.1	534.2	534.1	534.1	534.1
468.0	468.0	467.9	U S Picketed Leads	467.9	468.0	467.9	468.0	468.0	468.0	467.9
467.7	467.7	467.7	D S Picketed Leads	467.7	467.7	467.7	467.8	467.7	467.8	467.7
			South Fish Ladder							
537.4	537.2	537.2	Forebay	537.7	537.5	537.4	537.6	537.6	537.8	537.5
537.4	537.2	537.1	Exit Pool	537.6	537.5	537.4	537.6	537.5	537.7	537.5
534.0	534.0	534.1	Makeup Diffuser	534.1	534.0	534.1	534.0	534.1	534.1	534.0
534.1	534.0	534.1	U S Picketed Leads	534.1	534.1	534.1	534.1	534.1	534.1	534.2
534.0	534.0	534.1	D S Picketed Leads	534.1	534.0	534.1	534.0	534.1	534.1	534.0
			Collection Channels							
439.0	438.9	438.8	North Shore	438.9	439.4	438.9	438.8	438.8	439.4	438.8
439.0	438.9	438.8	South Powerhouse	438.9	439.2	438.8	438.8	438.8	439.0	439.0
437.8	438.1	438.1	South Shore	437.9	438.2	438.0	437.5	437.8	438.0	438.1
			Tailwater							
437.2	437.5	437.3	North Shore	437.4	437.7	437.5	436.8	437.1	438.0	437.1
437.1	437.4	437.2	South Powerhouse	437.4	437.5	437.4	436.9	437.3	437.9	437.1
436.7	436.9	436.8	South Shore	436.8	437.0	436.8	436.4	436.6	436.8	436.9
			Entrance Weirs							
429.0	429.4	429.3	NSE-1	429.2	429.5	429.5	429.0	429.0	429.8	429.0
429.0	429.4	429.3	NSE-2	429.1	429.5	429.4	429.0	429.0	429.8	429.0
432.0	432.0	432.0	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
431.0	431.0	431.0	SSE-1	431.0	431.0	431.0	431.0	431.0	431.0	431.0
6.0	6.0	6.0	SSE-2 (feet above sill)	6.0	6.0	6.0	6.0	6.0	6.0	6.0
			DIFFERENTIALS/DEPTHS:							
			North Fish Ladder							
0.0	0.0	0.1	Ladder Exit	0.0	0.0	0.1	0.0	0.0	0.0	0.0
1.2	1.0	1.1	Ladder Weirs	1.1	1.2	1.1	1.2	1.1	1.1	1.1
0.3	0.3	0.2	Counting Station	0.2	0.3	0.2	0.2	0.3	0.2	0.2
			South Fish Ladder							
0.0	0.0	0.1	Ladder Exit	0.1	0.0	0.0	0.0	0.1	0.1	0.0
1.0	1.0	1.1	Ladder Weirs	1.1	1.0	1.1	1.0	1.1	1.1	1.0
0.1	0.0	0.0	Counting Station	0.0	0.1	0.0	0.1	0.0	0.0	0.2
			Collection Channels							
1.8	1.4	1.5	North Shore	1.5	1.7	1.4	2.0	1.7	1.4	1.7
1.9	1.5	1.6	South Powerhouse	1.5	1.7	1.4	1.9	1.5	1.1	1.9
1.1	1.2	1.3	South Shore	1.1	1.2	1.2	1.1	1.2	1.2	1.2
			Weir Depths							
8.2	8.1	8.0	NSE-1	8.2	8.2	8.0	7.8	8.1	8.2	8.1
8.2	8.1	8.0	NSE-2	8.3	8.2	8.1	7.8	8.1	8.2	8.1
5.1	5.4	5.2	SPE-1	5.4	5.5	5.4	4.9	5.3	5.9	5.1
5.1	5.4	5.2	SPE-2	5.4	5.5	5.4	4.9	5.3	5.9	5.1
5.7	5.9	5.8	SSE-1	5.8	6.0	5.8	5.4	5.6	5.8	5.9
6.0	6.0	6.0	SSE-2 (feet above sill)	6.0	6.0	6.0	6.0	6.0	6.0	6.0
			CRITERIA POINTS:							
YES	YES	YES	**Channel Velocities**	YES	YES	YES	YES	YES	YES	YES
			Differentials							
			North Fish Ladder							
YES	YES	YES	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
			South Fish Ladder							
YES	YES	YES	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
			Collection Channels							
YES	YES	YES	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
			Weir Depths							
YES	YES	YES	NSE-1	YES	YES	YES	NO	YES	YES	YES
YES	YES	YES	NSE-2	YES	YES	YES	NO	YES	YES	YES
SILL	SILL	SILL	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
YES	YES	YES	SSE-2 (feet above sill)	YES	YES	YES	YES	YES	YES	YES
		(Output = 0	**CRITERIA POINTS: YES**							
1	1	1	**Channel Velocities**	1	1	1	1	1	1	1
			Differentials							
			North Fish Ladder							
1	1	1	Ladder Exit	1	1	1	1	1	1	1

10-Aug	11-Aug	14-Aug	DATES:	16-Aug	17-Aug	18-Aug	21-Aug	23-Aug	24-Aug	25-Aug
1.6	1.7	1.7	**CHAN'L VELOCITIES (N):**	1.7	1.6	1.7	1.6	1.8	1.7	1.8
			ELEVATIONS:							
			North Fish Ladder							
537.4	537.4	537.2	Forebay	537.4	537.4	537.2	537.4	537.6	537.5	537.5
537.4	537.4	537.2	Exit Pool	537.4	537.3	537.2	537.4	537.6	537.5	537.5
534.1	534.1	534.1	Makeup Diffuser	534.1	534.1	534.1	534.1	534.0	534.1	534.1
468.0	468.0	468.1	U S Picketed Leads	467.8	467.9	467.8	467.9	467.8	467.9	467.9
467.8	467.7	467.8	D S Picketed Leads	467.7	467.7	467.7	467.7	467.7	467.7	467.7
			South Fish Ladder							
537.5	537.2	537.2	Forebay	537.4	537.4	537.1	537.4	537.6	537.5	537.5
537.4	537.2	537.2	Exit Pool	537.4	537.3	537.1	537.4	537.6	537.5	537.5
534.0	534.1	534.0	Makeup Diffuser	534.1	534.0	534.0	534.0	534.0	534.0	534.1
534.0	534.1	534.1	U S Picketed Leads	534.1	534.0	534.0	534.0	534.0	534.0	534.1
534.0	534.1	534.0	D S Picketed Leads	534.1	534.0	534.0	534.0	534.0	534.0	534.1
			Collection Channels							
438.7	438.7	438.9	North Shore	438.8	438.8	438.8	438.8	438.5	439.0	438.9
438.7	438.7	438.8	South Powerhouse	438.8	438.8	438.7	438.6	438.5	438.9	438.8
438.0	438.2	438.0	South Shore	438.0	438.2	438.0	437.4	437.9	438.7	438.5
			Tailwater							
437.3	437.2	437.2	North Shore	437.2	437.6	437.3	437.0	437.0	437.6	437.2
437.2	437.2	437.1	South Powerhouse	437.2	437.6	437.2	436.4	437.0	437.6	437.2
436.9	437.0	436.9	South Shore	437.0	437.2	436.9	436.1	436.8	437.6	437.4
			Entrance Weirs							
429.0	429.0	429.2	NSE-1	429.2	429.3	429.2	429.0	429.0	429.4	429.2
429.0	429.0	429.2	NSE-2	429.2	429.2	429.2	429.0	429.0	429.3	429.1
432.0	432.0	432.0	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
431.0	431.0	431.0	SSE-1	431.0	431.0	431.0	431.0	431.0	431.0	431.0
6.0	6.0	6.0	SSE-2 (feet above sill)	6.0	6.0	6.0	6.0	6.0	6.0	6.0
			DIFFERENTIALS/DEPTHS:							
			North Fish Ladder							
0.0	0.0	0.0	Ladder Exit	0.0	0.1	0.0	0.0	0.0	0.0	0.0
1.1	1.1	1.1	Ladder Weirs	1.1	1.1	1.1	1.1	1.0	1.1	1.1
0.2	0.3	0.3	Counting Station	0.1	0.2	0.1	0.2	0.1	0.2	0.2
			South Fish Ladder							
0.1	0.0	0.0	Ladder Exit	0.0	0.1	0.0	0.0	0.0	0.0	0.0
1.0	1.1	1.0	Ladder Weirs	1.1	1.0	1.0	1.0	1.0	1.0	1.1
0.0	0.0	0.1	Counting Station	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			Collection Channels							
1.4	1.5	1.7	North Shore	1.6	1.2	1.5	1.8	1.5	1.4	1.7
1.5	1.5	1.7	South Powerhouse	1.6	1.2	1.5	2.2	1.5	1.3	1.6
1.1	1.2	1.1	South Shore	1.0	1.0	1.1	1.3	1.1	1.1	1.1
			Weir Depths							
8.3	8.2	8.0	NSE-1	8.0	8.3	8.1	8.0	8.0	8.2	8.0
8.3	8.2	8.0	NSE-2	8.0	8.4	8.1	8.0	8.0	8.3	8.1
5.2	5.2	5.1	SPE-1	5.2	5.6	5.2	4.4	5.0	5.6	5.2
5.2	5.2	5.1	SPE-2	5.2	5.6	5.2	4.4	5.0	5.6	5.2
5.9	6.0	5.9	SSE-1	6.0	6.2	5.9	5.1	5.8	6.6	6.4
6.0	6.0	6.0	SSE-2 (feet above sill)	6.0	6.0	6.0	6.0	6.0	6.0	6.0
			CRITERIA POINTS:							
YES	YES	YES	**Channel Velocities**	YES	YES	YES	YES	YES	YES	YES
			Differentials							
			North Fish Ladder							
YES	YES	YES	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
			South Fish Ladder							
YES	YES	YES	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
			Collection Channels							
YES	YES	YES	North Shore	YES	YES	YES	YES	YES	YES	YES
YES	YES	YES	South Powerhouse	YES	YES	YES	NO	YES	YES	YES
YES	YES	YES	South Shore	YES	YES	YES	YES	YES	YES	YES
			Weir Depths							
YES	YES	YES	NSE-1	YES	YES	YES	YES	YES	YES	YES
YES	YES	YES	NSE-2	YES	YES	YES	YES	YES	YES	YES
SILL	SILL	SILL	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
YES	YES	YES	SSE-2 (feet above sill)	YES	YES	YES	YES	YES	YES	YES
		(Output = 0	**CRITERIA POINTS: YES**							
1	1	1	**Channel Velocities**	1	1	1	1	1	1	1
			Differentials							
			North Fish Ladder							
1	1	1	Ladder Exit	1	1	1	1	1	1	1

26-Aug	28-Aug	30-Aug	DATES:	31-Aug	1-Sep	4-Sep	5-Sep	6-Sep	7-Sep	8-Sep
1.9	1.8	1.7	CHAN'L VELOCITIES (N):	1.5	1.6	2	2.2	1.8	1.8	1.8
			ELEVATIONS:							
			North Fish Ladder							
537.9	537.2	537.4	Forebay	537.4	537.8	539.2	539.5	539.6	539.2	537.7
537.9	537.2	537.3	Exit Pool	537.3	537.8	539.2	539.4	539.5	539.2	537.5
534.1	534.2	534.1	Makeup Diffuser	534.1	534.1	534.1	534.0	534.1	534.2	534.1
467.9	468.1	467.9	U S Picketed Leads	468.0	467.9	468.2	467.9	468.1	468.0	468.1
467.7	467.8	467.7	D S Picketed Leads	467.8	467.7	467.8	467.8	467.7	467.8	467.8
			South Fish Ladder							
537.9	537.2	537.4	Forebay	537.4	537.9	539.2	539.5	539.5	539.1	539.6
537.8	537.2	537.3	Exit Pool	537.3	537.8	539.2	539.4	539.4	539.0	539.5
534.1	534.0	534.1	Makeup Diffuser	534.1	534.1	534.0	534.0	534.1	534.0	534.1
534.1	534.0	534.1	U S Picketed Leads	534.1	534.1	534.0	534.0	534.1	534.1	534.1
534.1	534.0	534.1	D S Picketed Leads	534.1	534.1	534.0	534.0	534.1	534.0	534.1
			Collection Channels							
438.9	438.8	438.6	North Shore	438.7	438.9	440.6	440.9	440.7	440.3	440.5
438.8	439.0	438.5	South Powerhouse	438.6	438.8	440.5	440.7	440.5	440.1	440.3
438.4	437.8	438.1	South Shore	437.9	438.7	440.2	440.3	440.3	439.7	440.3
			Tailwater							
437.5	437.1	437.1	North Shore	436.9	437.5	439.1	439.6	439.3	438.7	439.2
437.5	437.0	437.0	South Powerhouse	436.9	437.5	439.2	439.5	439.3	438.6	439.0
437.4	436.7	437.0	South Shore	436.8	437.6	439.2	439.2	439.1	438.6	439.1
			Entrance Weirs							
429.5	429.0	429.0	NSE-1	429.0	429.5	431.0	431.4	431.3	430.6	431.2
429.4	429.0	429.0	NSE-2	429.0	429.4	431.0	431.4	431.2	430.6	431.1
432.0	432.0	432.0	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
431.0	431.0	431.0	SSE-1	431.0	431.0	431.0	431.0	431.0	431.0	431.1
6.0	6.0	6.0	SSE-2 (feet above sill)	6.0	6.0	6.0	6.0	6.0	6.0	6.0
			DIFFERENTIALS/DEPTHS:							
			North Fish Ladder							
0.0	0.0	0.1	Ladder Exit	0.1	0.0	0.0	0.1	0.1	0.0	0.2
1.1	1.2	1.1	Ladder Weirs	1.1	1.1	1.1	1.0	1.1	1.2	1.1
0.2	0.3	0.2	Counting Station	0.2	0.2	0.4	0.1	0.4	0.2	0.3
			South Fish Ladder							
0.1	0.0	0.1	Ladder Exit	0.1	0.1	0.0	0.1	0.1	0.1	0.1
1.1	1.0	1.1	Ladder Weirs	1.1	1.1	1.0	1.0	1.1	1.0	1.1
0.0	0.0	0.0	Counting Station	0.0	0.0	0.0	0.0	0.0	0.1	0.0
			Collection Channels							
1.4	1.7	1.5	North Shore	1.8	1.4	1.5	1.3	1.4	1.6	1.3
1.3	2.0	1.5	South Powerhouse	1.7	1.3	1.3	1.2	1.2	1.5	1.3
1.0	1.1	1.1	South Shore	1.1	1.1	1.0	1.1	1.2	1.1	1.2
			Weir Depths							
8.0	8.1	8.1	NSE-1	7.9	8.0	8.1	8.2	8.0	8.1	8.0
8.1	8.1	8.1	NSE-2	7.9	8.1	8.1	8.2	8.1	8.1	8.1
5.5	5.0	5.0	SPE-1	4.9	5.5	7.2	7.5	7.3	6.6	7.0
5.5	5.0	5.0	SPE-2	4.9	5.5	7.2	7.5	7.3	6.6	7.0
6.4	5.7	6.0	SSE-1	5.8	6.6	8.2	8.2	8.1	7.6	8.0
6.0	6.0	6.0	SSE-2 (feet above sill)	6.0	6.0	6.0	6.0	6.0	6.0	6.0
			CRITERIA POINTS:							
YES	YES	YES	**Channel Velocities**	YES	YES	YES	YES	YES	YES	YES
			Differentials							
			North Fish Ladder							
YES	YES	YES	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
			South Fish Ladder							
YES	YES	YES	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
			Collection Channels							
YES	YES	YES	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
			Weir Depths							
YES	YES	YES	NSE-1	NO	YES	YES	YES	YES	YES	YES
YES	YES	YES	NSE-2	NO	YES	YES	YES	YES	YES	YES
SILL	SILL	SILL	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	YES	YES	YES	SILL	YES
YES	YES	YES	SSE-2 (feet above sill)	YES	YES	YES	YES	YES	YES	YES
		(Output = 0	**CRITERIA POINTS: YES**							
1	1	1	**Channel Velocities**	1	1	1	1	1	1	1
			Differentials							
			North Fish Ladder							
1	1	1	Ladder Exit	1	1	1	1	1	1	1

9-Sep	11-Sep	13-Sep	DATES:	14-Sep	15-Sep	18-Sep	21-Sep	22-Sep	25-Sep	26-Sep
2	2	1.9	CHAN'L VELOCITIES (N):	1.9	1.6	2.0	1.8	2.0	1.8	1.9
			ELEVATIONS:							
			North Fish Ladder							
539.5	539.8	539.4	Forebay	539.0	539.5	539.3	537.9	538.0	539.2	539.1
539.4	539.6	539.3	Exit Pool	538.9	539.5	539.3	537.8	537.9	539.2	538.8
534.0	534.0	534.1	Makeup Diffuser	534.1	534.1	534.1	534.1	534.1	534.1	534.1
468.0	468.0	468.1	U S Picketed Leads	468.1	468.1	468.2	467.9	467.9	468.0	467.9
467.8	467.9	467.8	D S Picketed Leads	467.8	467.7	467.8	467.7	467.7	467.8	467.7
			South Fish Ladder							
539.6	539.8	539.4	Forebay	539.0	539.5	539.3	537.9	537.9	539.2	539.1
539.3	539.5	539.3	Exit Pool	538.9	539.4	539.2	537.8	537.9	539.2	538.9
534.0	534.0	534.1	Makeup Diffuser	534.0	534.1	534.0	534.0	534.0	534.0	534.0
534.0	534.1	534.1	U S Picketed Leads	534.0	534.1	534.0	534.1	534.1	534.1	534.0
534.0	534.0	534.1	D S Picketed Leads	534.0	534.1	534.0	534.0	534.0	534.0	534.0
			Collection Channels							
440.9	440.4	440.1	North Shore	440.0	439.9	440.5	439.6	440.2	440.5	440.4
440.6	440.3	440.0	South Powerhouse	439.9	439.9	440.2	439.5	440.0	440.4	440.2
440.6	440.0	439.7	South Shore	439.9	439.6	439.9	439.2	439.6	440.2	440.4
			Tailwater							
439.6	439.0	438.7	North Shore	438.6	438.4	439.2	438.1	438.7	439.3	439.0
439.5	439.0	438.6	South Powerhouse	438.6	438.4	439.0	438.1	438.7	439.2	439.0
439.5	439.0	438.6	South Shore	438.7	438.5	438.8	438.1	438.5	439.1	439.4
			Entrance Weirs							
431.5	430.0	430.5	NSE-1	430.4	430.4	431.0	430.2	430.7	431.1	430.9
431.5	430.0	430.5	NSE-2	430.4	430.4	431.0	430.1	430.6	431.1	430.9
432.0	432.0	432.0	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
431.5	431.0	431.0	SSE-1	431.0	431.0	431.0	431.0	431.0	431.0	431.3
6.0	6.0	6.0	SSE-2 (feet above sill)	6.0	6.0	6.0	6.0	6.0	6.0	6.0
			DIFFERENTIALS/DEPTHS:							
			North Fish Ladder							
0.1	0.2	0.1	Ladder Exit	0.1	0.0	0.0	0.1	0.1	0.0	0.3
1.0	1.0	1.1	Ladder Weirs	1.1	1.1	1.1	1.1	1.1	1.1	1.1
0.2	0.1	0.3	Counting Station	0.3	0.4	0.4	0.2	0.2	0.2	0.2
			South Fish Ladder							
0.3	0.3	0.1	Ladder Exit	0.1	0.1	0.1	0.1	0.0	0.0	0.2
1.0	1.0	1.1	Ladder Weirs	1.0	1.1	1.0	1.0	1.0	1.0	1.0
0.0	0.1	0.0	Counting Station	0.0	0.0	0.0	0.1	0.1	0.1	0.0
			Collection Channels							
1.3	1.4	1.4	North Shore	1.4	1.5	1.3	1.5	1.5	1.2	1.4
1.1	1.3	1.4	South Powerhouse	1.3	1.5	1.2	1.4	1.3	1.2	1.2
1.1	1.0	1.1	South Shore	1.2	1.1	1.1	1.1	1.1	1.1	1.0
			Weir Depths							
8.1	9.0	8.2	NSE-1	8.2	8.0	8.2	7.9	8.0	8.2	8.1
8.1	9.0	8.2	NSE-2	8.2	8.0	8.2	8.0	8.1	8.2	8.1
7.5	7.0	6.6	SPE-1	6.6	6.4	7.0	6.1	6.7	7.2	7.0
7.5	7.0	6.6	SPE-2	6.6	6.4	7.0	6.1	6.7	7.2	7.0
8.0	8.0	7.6	SSE-1	7.7	7.5	7.8	7.1	7.5	8.1	8.1
6.0	6.0	6.0	SSE-2 (feet above sill)	6.0	6.0	6.0	6.0	6.0	6.0	6.0
			CRITERIA POINTS:							
YES	YES	YES	Channel Velocities	YES	YES	YES	YES	YES	YES	YES
			Differentials							
			North Fish Ladder							
YES	YES	YES	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
			South Fish Ladder							
YES	YES	YES	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
			Collection Channels							
YES	YES	YES	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
			Weir Depths							
YES	YES	YES	NSE-1	YES	YES	YES	NO	YES	YES	YES
YES	YES	YES	NSE-2	YES	YES	YES	YES	YES	YES	YES
SILL	SILL	SILL	SPE-1	SILL	SILL	SILL	SILL	SILL	SILL	SILL
SILL	SILL	SILL	SPE-2	SILL	SILL	SILL	SILL	SILL	SILL	SILL
YES	YES	SILL	SSE-1	SILL	SILL	SILL	SILL	SILL	YES	YES
YES	YES	YES	SSE-2 (feet above sill)	YES	YES	YES	YES	YES	YES	YES
		(Output = 0	CRITERIA POINTS: YES	(Output = 0, 1, or NA)						
1	1	1	Channel Velocities	1	1	1	1	1	1	1
			Differentials							
			North Fish Ladder							
1	1	1	Ladder Exit	1	1	1	1	1	1	1

27-Sep	28-Sep	29-Sep	DATES:	2-Oct	4-Oct	5-Oct	7-Oct	9-Oct	10-Oct	12-Oct
1.9	2.0	1.9	**CHAN'L VELOCITIES (N):**	1.9	1.8	2.2	1.8	1.9	1.8	1.9
			ELEVATIONS:							
			North Fish Ladder							
538.7	539.2	539.2	Forebay	539.6	539.1	539.1	539.4	539.2	539.0	539.1
538.5	539.0	539.0	Exit Pool	539.2	538.8	539.0	539.0	538.8	539.0	539.0
534.0	534.1	534.1	Makeup Diffuser	534.1	534.1	534.1	534.0	534.1	534.1	534.1
467.9	467.9	467.9	U S Picketed Leads	468.0	467.9	468.0	468.0	468.0	467.9	467.9
467.7	467.7	467.7	D S Picketed Leads	467.8	467.7	467.8	467.7	467.8	467.8	467.7
			South Fish Ladder							
538.8	539.2	539.3	Forebay	539.6	539.0	539.2	539.3	539.2	539.0	539.1
538.7	539.1	539.1	Exit Pool	539.6	538.8	539.1	539.2	539.1	538.9	539.0
534.0	534.0	534.0	Makeup Diffuser	534.0	534.0	534.0	534.0	534.1	534.0	534.0
534.1	534.0	534.1	U S Picketed Leads	534.1	534.1	534.1	534.0	534.2	534.0	534.0
534.0	534.0	534.0	D S Picketed Leads	534.0	534.0	534.0	534.0	534.1	534.0	534.0
			Collection Channels							
440.9	440.4	440.1	North Shore	440.0	440.2	440.6	440.9	440.2	440.6	440.8
440.7	439.9	439.9	South Powerhouse	439.8	440.1	440.4	440.8	440.1	440.6	440.4
440.7	440.1	439.8	South Shore	439.7	440.3	440.2	440.5	440.0	440.3	440.5
			Tailwater							
439.7	439.0	438.7	North Shore	438.6	438.9	439.2	439.5	438.8	439.2	439.4
439.6	438.9	438.7	South Powerhouse	438.6	438.9	439.1	439.5	438.8	439.3	439.2
439.7	439.1	438.7	South Shore	438.6	439.3	439.1	439.4	438.9	439.2	439.4
			Entrance Weirs							
431.7	431.0	430.7	NSE-1	430.5	430.8	431.1	431.4	430.6	431.1	431.4
431.6	431.0	430.7	NSE-2	430.5	430.8	431.2	431.5	430.6	431.2	431.4
432.0	432.0	432.0	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
431.6	431.0	431.0	SSE-1	431.0	431.2	431.0	431.4	431.0	431.1	431.0
6.0	6.0	6.0	SSE-2 (feet above sill)	6.0	6.0	6.0	6.0	6.0	6.0	6.0
			DIFFERENTIALS/DEPTHS:							
			North Fish Ladder							
0.2	0.2	0.2	Ladder Exit	0.4	0.3	0.1	0.4	0.4	0.0	0.1
1.0	1.1	1.1	Ladder Weirs	1.1	1.1	1.1	1.0	1.1	1.1	1.1
0.2	0.2	0.2	Counting Station	0.2	0.2	0.2	0.3	0.2	0.1	0.2
			South Fish Ladder							
0.1	0.1	0.2	Ladder Exit	0.0	0.2	0.1	0.1	0.1	0.1	0.1
1.0	1.0	1.0	Ladder Weirs	1.0	1.0	1.0	1.0	1.1	1.0	1.0
0.1	0.0	0.1	Counting Station	0.1	0.1	0.1	0.0	0.1	0.0	0.0
			Collection Channels							
1.2	1.4	1.4	North Shore	1.4	1.3	1.4	1.4	1.4	1.4	1.4
1.1	1.0	1.2	South Powerhouse	1.2	1.2	1.3	1.3	1.3	1.3	1.2
1.0	1.0	1.1	South Shore	1.1	1.0	1.1	1.1	1.1	1.1	1.1
			Weir Depths							
8.0	8.0	8.0	NSE-1	8.1	8.1	8.1	8.1	8.2	8.1	8.0
8.1	8.0	8.0	NSE-2	8.1	8.1	8.0	8.0	8.2	8.0	8.0
7.6	6.9	6.7	SPE-1	6.6	6.9	7.1	7.5	6.8	7.3	7.2
7.6	6.9	6.7	SPE-2	6.6	6.9	7.1	7.5	6.8	7.3	7.2
8.1	8.1	7.7	SSE-1	7.6	8.1	8.1	8.0	7.9	8.1	8.4
6.0	6.0	6.0	SSE-2 (feet above sill)	6.0	6.0	6.0	6.0	6.0	6.0	6.0
			CRITERIA POINTS:							
YES	YES	YES	**Channel Velocities**	YES	YES	YES	YES	YES	YES	YES
			Differentials							
			North Fish Ladder							
YES	YES	YES	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
			South Fish Ladder							
YES	YES	YES	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
			Collection Channels							
YES	YES	YES	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
			Weir Depths							
YES	YES	YES	NSE-1	YES	YES	YES	YES	YES	YES	YES
YES	YES	YES	NSE-2	YES	YES	YES	YES	YES	YES	YES
SILL	SILL	SILL	SPE-1	SILL	SILL	SILL	SILL	SILL	SILL	SILL
SILL	SILL	SILL	SPE-2	SILL	SILL	SILL	SILL	SILL	SILL	SILL
YES	YES	SILL	SSE-1	SILL	YES	YES	YES	SILL	YES	YES
YES	YES	YES	SSE-2 (feet above sill)	YES	YES	YES	YES	YES	YES	YES
			CRITERIA POINTS: YES	**(Output = 0, 1, or NA)**						
1	1	1	**Channel Velocities**	1	1	1	1	1	1	1
			Differentials							
			North Fish Ladder							
1	1	1	Ladder Exit	1	1	1	1	1	1	1

15-Oct	16-Oct	17-Oct	DATES:	21-Oct	22-Oct	23-Oct	24-Oct	28-Oct	29-Oct	30-Oct
1.8	2.0	1.9	**CHAN'L VELOCITIES (N):**	1.8	1.7	1.9	2.1	1.8	1.9	2.3
			ELEVATIONS:							
			North Fish Ladder							
539.0	539.0	538.7	Forebay	539.1	538.9	539.0	539.1	539.0	539.1	539.1
538.9	539.0	538.6	Exit Pool	539.1	538.9	539.0	539.0	539.0	539.1	539.0
534.1	534.0	534.0	Makeup Diffuser	534.0	534.0	534.0	534.0	534.0	534.0	534.0
467.9	468.0	467.9	U S Picketed Leads	468.0	467.9	468.0	468.0	468.6	467.9	467.9
467.7	467.8	467.7	D S Picketed Leads	467.7	467.7	467.7	467.8	467.7	467.7	467.7
			South Fish Ladder							
538.9	539.1	538.6	Forebay	539.1	538.9	539.0	539.2	539.0	539.0	539.2
538.8	539.0	538.5	Exit Pool	539.0	538.7	539.0	539.1	539.0	538.9	539.0
534.0	534.0	534.0	Makeup Diffuser	534.0	534.0	534.0	534.0	534.0	534.0	534.0
534.1	534.0	534.0	U S Picketed Leads	534.0	534.0	534.1	534.0	534.1	534.1	534.0
534.0	534.0	534.0	D S Picketed Leads	534.0	534.0	534.0	534.0	534.0	534.0	534.0
			Collection Channels							
440.5	440.7	440.4	North Shore	439.8	439.4	440.3	440.0	440.1	440.5	440.2
439.9	440.7	440.3	South Powerhouse	439.5	439.4	439.9	439.8	439.7	440.1	440.2
440.2	440.4	439.9	South Shore	439.3	439.6	439.9	439.6	440.0	440.5	439.9
			Tailwater							
439.1	439.3	439.0	North Shore	438.3	438.0	438.9	438.5	438.7	439.1	438.8
438.8	439.4	439.0	South Powerhouse	438.3	438.0	438.8	438.5	438.7	439.1	438.9
439.0	439.3	438.8	South Shore	438.2	438.6	438.8	438.5	438.9	439.4	438.8
			Entrance Weirs							
430.7	431.1	430.8	NSE-1	430.0	429.8	430.6	430.4	430.6	431.0	430.5
430.7	431.2	430.9	NSE-2	430.2	429.8	430.6	430.4	430.6	431.0	430.7
432.0	432.0	432.0	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
431.0	431.2	431.0	SSE-1	431.0	431.0	431.0	431.0	431.0	431.3	431.0
6.0	6.0	6.0	SSE-2 (feet above sill)	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	Ladder Exit	0.0	0.0	0.0	0.1	0.0	0.0	0.1
1.1	1.0	1.0	Ladder Weirs	1.0	1.0	1.0	1.0	1.0	1.0	1.0
0.2	0.2	0.2	Counting Station	0.3	0.2	0.3	0.2	0.9	0.2	0.2
			South Fish Ladder							
0.1	0.1	0.1	Ladder Exit	0.1	0.2	0.0	0.1	0.0	0.1	0.2
1.0	1.0	1.0	Ladder Weirs	1.0	1.0	1.0	1.0	1.0	1.0	1.0
0.1	0.0	0.0	Counting Station	0.0	0.0	0.1	0.0	0.1	0.1	0.0
			Collection Channels							
1.4	1.4	1.4	North Shore	1.5	1.4	1.4	1.5	1.4	1.4	1.4
1.1	1.3	1.3	South Powerhouse	1.2	1.4	1.1	1.3	1.0	1.0	1.3
1.2	1.1	1.1	South Shore	1.1	1.0	1.1	1.1	1.1	1.1	1.1
			Weir Depths							
8.4	8.2	8.2	NSE-1	8.3	8.2	8.3	8.1	8.1	8.1	8.3
8.4	8.1	8.1	NSE-2	8.1	8.2	8.3	8.1	8.1	8.1	8.1
6.8	7.4	7.0	SPE-1	6.3	6.0	6.8	6.5	6.7	7.1	6.9
6.8	7.4	7.0	SPE-2	6.3	6.0	6.8	6.5	6.7	7.1	6.9
8.0	8.1	7.8	SSE-1	7.2	7.6	7.8	7.5	7.9	8.1	7.8
6.0	6.0	6.0	SSE-2 (feet above sill)	6.0	6.0	6.0	6.0	6.0	6.0	6.0
			CRITERIA POINTS:							
YES	YES	YES	**Channel Velocities**	YES	YES	YES	YES	YES	YES	YES
			Differentials							
			North Fish Ladder							
YES	YES	YES	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	NO	YES	YES
			South Fish Ladder							
YES	YES	YES	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
			Collection Channels							
YES	YES	YES	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
			Weir Depths							
YES	YES	YES	NSE-1	YES	YES	YES	YES	YES	YES	YES
YES	YES	YES	NSE-2	YES	YES	YES	YES	YES	YES	YES
SILL	SILL	SILL	SPE-1	SILL	SILL	SILL	SILL	SILL	SILL	SILL
SILL	SILL	SILL	SPE-2	SILL	SILL	SILL	SILL	SILL	SILL	SILL
YES	YES	SILL	SSE-1	SILL	SILL	SILL	SILL	SILL	YES	SILL
YES	YES	YES	SSE-2 (feet above sill)	YES	YES	YES	YES	YES	YES	YES
			CRITERIA POINTS: YES	**(Output = 0, 1, or NA)**						
1	1	1	**Channel Velocities**	1	1	1	1	1	1	1
			Differentials							
			North Fish Ladder							
1	1	1	Ladder Exit	1	1	1	1	1	1	1

APPENDIX 1 (CONTINUED). LOWER MONUMENTAL ADULT FISHWAY INSPECTIONS

31-Oct	4-Nov	7-Nov	**DATES:**	9-Nov	12-Nov	13-Nov	14-Nov	18-Nov	19-Nov	20-Nov
2.0	1.8	1.8	**CHAN'L VELOCITIES (N):**	2.2	2.0	1.9	1.8	1.9	1.8	1.8
			ELEVATIONS:							
			North Fish Ladder							
538.9	539.2	539.1	Forebay	539.0	539.1	539.4	538.8	539.3	538.9	539.1
538.9	539.1	539.0	Exit Pool	539.0	539.0	539.3	538.6	539.1	538.7	538.9
534.0	534.0	534.0	Makeup Diffuser	534.1	534.0	534.0	534.0	534.0	534.0	534.0
467.9	468.5	467.9	U S Picketed Leads	467.9	467.9	467.9	467.8	467.8	467.8	467.8
467.7	467.7	467.7	D S Picketed Leads	467.7	467.7	467.7	467.7	467.7	467.7	467.7
			South Fish Ladder							
539.0	539.2	539.1	Forebay	539.1	539.1	539.5	538.9	539.4	539.0	539.1
538.9	539.1	539.0	Exit Pool	539.0	539.0	539.4	538.8	539.3	538.9	539.0
534.0	534.0	534.0	Makeup Diffuser	534.0	534.0	534.0	534.0	534.0	534.0	534.0
534.1	534.1	534.0	U S Picketed Leads	534.1	534.1	534.1	534.1	534.0	534.0	534.0
534.0	534.0	534.0	D S Picketed Leads	534.0	534.0	534.0	534.0	534.0	534.0	534.0
			Collection Channels							
440.4	440.5	439.8	North Shore	440.7	439.8	440.2	440.4	440.4	440.6	440.2
440.0	440.5	439.6	South Powerhouse	440.5	439.7	439.9	439.8	440.3	440.6	440.1
439.9	440.2	439.3	South Shore	440.1	439.6	439.7	439.8	440.0	440.3	439.7
			Tailwater							
439.0	439.3	438.3	North Shore	439.4	438.3	438.8	438.9	439.0	439.4	439.0
439.0	439.2	438.4	South Powerhouse	439.3	438.5	438.7	438.7	439.0	439.5	439.0
438.8	439.2	438.1	South Shore	438.9	438.5	438.6	438.6	438.9	439.1	438.6
			Entrance Weirs							
431.0	430.8	430.2	NSE-1	431.3	430.2	430.6	430.9	430.8	431.2	430.7
430.7	431.0	429.8	NSE-2	431.0	429.0	431.0	430.8	430.8	431.1	430.6
432.0	432.0	432.0	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
431.0	431.0	431.0	SSE-1	431.0	431.0	431.0	431.0	431.0	431.0	431.0
6.0	6.0	6.0	SSE-2 (feet above sill)	6.0	6.0	6.0	6.0	6.0	6.0	6.0
			DIFFERENTIALS/DEPTHS:							
			North Fish Ladder							
0.0	0.1	0.1	Ladder Exit	0.0	0.1	0.1	0.2	0.2	0.2	0.2
1.0	1.0	1.0	Ladder Weirs	1.1	1.0	1.0	1.0	1.0	1.0	1.0
0.2	0.8	0.2	Counting Station	0.2	0.2	0.2	0.1	0.1	0.1	0.1
			South Fish Ladder							
0.1	0.1	0.1	Ladder Exit	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1.0	1.0	1.0	Ladder Weirs	1.0	1.0	1.0	1.0	1.0	1.0	1.0
0.1	0.1	0.0	Counting Station	0.1	0.1	0.1	0.1	0.0	0.0	0.0
			Collection Channels							
1.4	1.2	1.5	North Shore	1.3	1.5	1.4	1.5	1.4	1.2	1.2
1.0	1.3	1.2	South Powerhouse	1.2	1.2	1.2	1.1	1.3	1.1	1.1
1.1	1.0	1.2	South Shore	1.2	1.1	1.1	1.2	1.1	1.2	1.1
			Weir Depths							
8.0	8.5	8.1	NSE-1	8.1	8.1	8.2	8.0	8.2	8.2	8.3
8.3	8.3	8.5	NSE-2	8.4	9.3	7.8	8.1	8.2	8.3	8.4
7.0	7.2	6.4	SPE-1	7.3	6.5	6.7	6.7	7.0	7.5	7.0
7.0	7.2	6.4	SPE-2	7.3	6.5	6.7	6.7	7.0	7.5	7.0
7.8	8.2	7.1	SSE-1	7.9	7.5	7.6	7.6	7.9	8.1	7.6
6.0	6.0	6.0	SSE-2 (feet above sill)	6.0	6.0	6.0	6.0	6.0	6.0	6.0
			CRITERIA POINTS:							
YES	YES	YES	**Channel Velocities**	YES	YES	YES	YES	YES	YES	YES
			Differentials							
			North Fish Ladder							
YES	YES	YES	Ladder Exit	YES	YES	YES	YES	YES	YES	YES
YES	YES	YES	Ladder Weirs	YES	YES	YES	YES	YES	YES	YES
YES	NO	YES	Counting Station	YES	YES	YES	YES	YES	YES	YES
			South Fish Ladder							
YES	YES	YES	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
			Collection Channels							
YES	YES	YES	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
			Weir Depths							
YES	YES	YES	NSE-1	YES	YES	YES	YES	YES	YES	YES
YES	YES	YES	NSE-2	YES	YES	NO	YES	YES	YES	YES
SILL	SILL	SILL	SPE-1	SILL	SILL	SILL	SILL	SILL	SILL	SILL
SILL	SILL	SILL	SPE-2	SILL	SILL	SILL	SILL	SILL	SILL	SILL
SILL	YES	SILL	SSE-1	SILL	SILL	SILL	SILL	SILL	YES	SILL
YES	YES	YES	SSE-2 (feet above sill)	YES	YES	YES	YES	YES	YES	YES
			CRITERIA POINTS: YES	**(Output = 0, 1, or NA)**						
1	1	1	**Channel Velocities**	1	1	1	1	1	1	1
			Differentials							
			North Fish Ladder							
1	1	1	Ladder Exit	1	1	1	1	1	1	1

2013			APPENDIX 1 (CONTINUED). LOWER MONUMENTAL ADULT FISHWAY INSPECTIONS							
21-Nov	25-Nov	26-Nov	**DATES:**	27-Nov	2-Dec	4-Dec	5-Dec	9-Dec	10-Dec	11-Dec
1.9	2.0	1.6	**CHAN'L VELOCITIES (N):**	1.6	1.7	1.7	1.9	2.0	1.7	2.0
			ELEVATIONS:							
			North Fish Ladder							
539.0	538.9	539.0	Forebay	539.0	539.1	539.2	539.3	539.2	539.6	539.0
538.8	538.6	538.8	Exit Pool	538.8	538.9	538.8	539.0	537.2	538.4	539.0
534.0	534.0	534.0	Makeup Diffuser	534.0	534.0	534.2	534.1	534.1	534.0	534.1
467.8	467.8	467.8	U S Picketed Leads	467.8	467.8	467.8	467.8	467.8	467.8	467.8
467.7	467.7	467.7	D S Picketed Leads	467.7	467.7	467.7	467.7	467.7	467.7	467.7
			South Fish Ladder							
539.0	539.0	539.0	Forebay	539.2	539.2	539.3	539.3	539.2	539.7	539.0
538.9	539.0	539.0	Exit Pool	539.0	539.1	539.2	539.3	539.1	539.6	539.0
534.0	534.0	534.0	Makeup Diffuser	534.0	534.0	533.9	534.1	534.0	534.0	534.0
534.1	534.1	534.0	U S Picketed Leads	534.0	534.0	534.0	534.1	534.1	534.1	534.1
534.0	534.0	534.0	D S Picketed Leads	534.0	534.0	533.9	534.1	534.0	534.0	534.0
			Collection Channels							
440.0	440.3	440.4	North Shore	440.3	441.1	441.1	440.7	440.0	440.8	440.8
439.8	440.3	440.0	South Powerhouse	440.0	441.0	441.0	440.6	439.8	440.6	440.8
439.8	439.9	439.9	South Shore	439.9	440.9	440.5	440.5	440.2	440.5	440.4
			Tailwater							
438.6	439.0	438.9	North Shore	438.9	439.8	439.9	439.3	438.6	439.6	439.5
438.6	439.1	438.9	South Powerhouse	439.0	439.8	439.8	439.3	438.7	439.5	439.8
438.7	438.8	438.8	South Shore	438.8	439.8	439.4	439.4	439.0	439.3	439.3
			Entrance Weirs							
430.5	430.8	430.9	NSE-1	430.8	431.7	431.8	431.3	430.4	431.4	431.4
430.3	430.8	430.8	NSE-2	430.7	431.8	432.0	431.5	430.8	431.5	431.4
432.0	432.0	432.0	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
431.0	431.0	431.0	SSE-1	431.0	431.7	431.3	431.3	431.0	431.3	431.2
6.0	6.0	6.0	SSE-2 (feet above sill)	6.0	6.0	6.0	6.0	6.0	6.0	6.0
			DIFFERENTIALS/DEPTHS:							
			North Fish Ladder							
0.2	0.3	0.2	Ladder Exit	0.2	0.2	0.4	0.3	2.0	1.2	0.0
1.0	1.0	1.0	Ladder Weirs	1.0	1.0	1.2	1.1	1.1	1.0	1.1
0.1	0.1	0.1	Counting Station	0.1	0.1	0.1	0.1	0.1	0.1	0.1
			South Fish Ladder							
0.1	0.0	0.0	Ladder Exit	0.2	0.1	0.1	0.0	0.1	0.1	0.0
1.0	1.0	1.0	Ladder Weirs	1.0	1.0	0.9	1.1	1.0	1.0	1.0
0.1	0.1	0.0	Counting Station	0.0	0.0	0.1	0.0	0.1	0.1	0.1
			Collection Channels							
1.4	1.3	1.5	North Shore	1.4	1.3	1.2	1.4	1.4	1.2	1.3
1.2	1.2	1.1	South Powerhouse	1.0	1.2	1.2	1.3	1.1	1.1	1.0
1.1	1.1	1.1	South Shore	1.1	1.1	1.1	1.1	1.2	1.2	1.1
			Weir Depths							
8.1	8.2	8.0	NSE-1	8.1	8.1	8.1	8.0	8.2	8.2	8.1
8.3	8.2	8.1	NSE-2	8.2	8.0	7.9	7.8	7.8	8.1	8.1
6.6	7.1	6.9	SPE-1	7.0	7.8	7.8	7.3	6.7	7.5	7.8
6.6	7.1	6.9	SPE-2	7.0	7.8	7.8	7.3	6.7	7.5	7.8
7.7	7.8	7.8	SSE-1	7.8	8.1	8.1	8.1	8.0	8.0	8.1
6.0	6.0	6.0	SSE-2 (feet above sill)	6.0	6.0	6.0	6.0	6.0	6.0	6.0
			CRITERIA POINTS:							
YES	YES	YES	**Channel Velocities**	YES	YES	YES	YES	YES	YES	YES
			Differentials							
			North Fish Ladder							
YES	YES	YES	Ladder Exit	YES	YES	YES	YES	NO	NO	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
			South Fish Ladder							
YES	YES	YES	Ladder Exit	YES	YES	YES	YES	YES	YES	YES
YES	YES	YES	Ladder Weirs	YES	YES	NO	YES	YES	YES	YES
YES	YES	YES	Counting Station	YES	YES	YES	YES	YES	YES	YES
			Collection Channels							
YES	YES	YES	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
			Weir Depths							
YES	YES	YES	NSE-1	YES	YES	YES	YES	YES	YES	YES
YES	YES	YES	NSE-2	YES	YES	NO	NO	NO	YES	YES
SILL	SILL	SILL	SPE-1	SILL	SILL	SILL	SILL	SILL	SILL	SILL
SILL	SILL	SILL	SPE-2	SILL	SILL	SILL	SILL	SILL	SILL	SILL
SILL	SILL	SILL	SSE-1	SILL	YES	YES	YES	YES	YES	YES
YES	YES	YES	SSE-2 (feet above sill)	YES	YES	YES	YES	YES	YES	YES
			CRITERIA POINTS: YES							
1	1	1	**Channel Velocities**	1	1	1	1	1	1	1
			Differentials							
			North Fish Ladder							
1	1	1	Ladder Exit	1	1	1	1	0	0	1

2013			APPENDIX 1 (CONTINUED). LOWER MONUMENTAL ADULT FISHWAY INSPECTIONS						
12-Dec	16-Dec	17-Dec	**DATES:**	18-Dec	19-Dec	24-Dec	26-Dec	30-Dec	31-Dec
2.0	1.7	1.9	**CHAN'L VELOCITIES (N):**	1.7	1.8	1.7	2.0	1.8	1.6
			ELEVATIONS:						
			North Fish Ladder						
538.9	538.6	538.9	Forebay	539.2	539.0	539.0	539.3	539.3	539.0
538.9	538.6	538.9	Exit Pool	539.2	539.0	539.0	539.3	539.3	539.0
534.0	534.1	534.0	Makeup Diffuser	534.1	534.1	534.0	534.1	534.1	534.1
467.8	467.8	467.8	U S Picketed Leads	467.8	467.8	467.8	467.8	467.8	467.8
467.7	467.7	467.7	D S Picketed Leads	467.7	467.7	467.7	467.7	467.7	467.7
			South Fish Ladder						
539.0	538.7	539.0	Forebay	539.2	539.0	538.9	539.2	539.4	539.0
538.9	538.6	538.8	Exit Pool	539.0	539.0	538.9	539.2	539.2	538.8
534.0	534.0	534.0	Makeup Diffuser	534.0	534.0	534.0	534.0	534.1	534.0
534.0	534.0	534.1	U S Picketed Leads	534.1	534.1	534.1	534.0	534.1	534.0
534.0	534.0	534.0	D S Picketed Leads	534.0	534.0	534.0	534.0	534.1	534.0
			Collection Channels						
440.0	440.5	439.9	North Shore	440.4	440.2	440.5	440.4	440.4	440.9
440.0	440.3	439.8	South Powerhouse	440.3	440.2	440.3	440.3	440.3	440.6
440.0	440.3	439.9	South Shore	440.3	440.4	440.4	440.1	440.2	440.3
			Tailwater						
438.8	439.2	438.5	North Shore	439.1	439.0	439.2	439.2	439.2	439.7
438.8	439.1	438.6	South Powerhouse	439.2	439.2	439.2	439.2	439.2	439.5
438.9	439.2	438.7	South Shore	439.1	439.3	439.3	439.1	439.1	439.1
			Entrance Weirs						
430.7	431.1	430.5	NSE-1	431.1	430.8	431.1	431.0	431.1	431.6
430.7	431.2	430.4	NSE-2	431.1	430.8	431.2	431.2	431.1	431.7
432.0	432.0	432.0	SPE-1	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
431.0	431.1	431.0	SSE-1	431.1	431.3	431.2	431.0	431.1	431.0
6.0	6.0	6.0	SSE-2 (feet above sill)	6.0	6.0	6.0	6.0	6.0	6.0
			DIFFERENTIALS/DEPTHS:						
			North Fish Ladder						
0.0	0.0	0.0	Ladder Exit	0.0	0.0	0.0	0.0	0.0	0.0
1.0	1.1	1.0	Ladder Weirs	1.1	1.1	1.0	1.1	1.1	1.1
0.1	0.1	0.1	Counting Station	0.1	0.1	0.1	0.1	0.1	0.1
			South Fish Ladder						
0.1	0.1	0.2	Ladder Exit	0.2	0.0	0.0	0.0	0.2	0.2
1.0	1.0	1.0	Ladder Weirs	1.0	1.0	1.0	1.0	1.1	1.0
0.0	0.0	0.1	Counting Station	0.1	0.1	0.1	0.0	0.0	0.0
			Collection Channels						
1.2	1.3	1.4	North Shore	1.3	1.2	1.3	1.2	1.2	1.2
1.2	1.2	1.2	South Powerhouse	1.1	1.0	1.1	1.1	1.1	1.1
1.1	1.1	1.2	South Shore	1.2	1.1	1.1	1.0	1.1	1.2
			Weir Depths						
8.1	8.1	8.0	NSE-1	8.0	8.2	8.1	8.2	8.1	8.1
8.1	8.0	8.1	NSE-2	8.0	8.2	8.0	8.0	8.1	8.0
6.8	7.1	6.6	SPE-1	7.2	7.2	7.2	7.2	7.2	7.5
6.8	7.1	6.6	SPE-2	7.2	7.2	7.2	7.2	7.2	7.5
7.9	8.1	7.7	SSE-1	8.0	8.0	8.1	8.1	8.0	8.1
6.0	6.0	6.0	SSE-2 (feet above sill)	6.0	6.0	6.0	6.0	6.0	6.0
			CRITERIA POINTS:						
YES	YES	YES	**Channel Velocities**	YES	YES	YES	YES	YES	YES
			Differentials						
			North Fish Ladder						
YES	YES	YES	Ladder Exit	YES	YES	YES	YES	YES	YES
YES	YES	YES	Ladder Weirs	YES	YES	YES	YES	YES	YES
YES	YES	YES	Counting Station	YES	YES	YES	YES	YES	YES
			South Fish Ladder						
YES	YES	YES	Ladder Exit	YES	YES	YES	YES	YES	YES
YES	YES	YES	Ladder Weirs	YES	YES	YES	YES	YES	YES
YES	YES	YES	Counting Station	YES	YES	YES	YES	YES	YES
			Collection Channels						
YES	YES	YES	North Shore	YES	YES	YES	YES	YES	YES
YES	YES	YES	South Powerhouse	YES	YES	YES	YES	YES	YES
YES	YES	YES	South Shore	YES	YES	YES	YES	YES	YES
			Weir Depths						
YES	YES	YES	NSE-1	YES	YES	YES	YES	YES	YES
YES	YES	YES	NSE-2	YES	YES	YES	YES	YES	YES
SILL	SILL	SILL	SPE-1	SILL	SILL	SILL	SILL	SILL	SILL
SILL	SILL	SILL	SPE-2	SILL	SILL	SILL	SILL	SILL	SILL
SILL	YES	SILL	SSE-1	YES	YES	YES	YES	YES	YES
YES	YES	YES	SSE-2 (feet above sill)	YES	YES	YES	YES	YES	YES
			CRITERIA POINTS: YES						
1	1	1	**Channel Velocities**	1	1	1	1	1	1
			Differentials						
			North Fish Ladder						
1	1	1	Ladder Exit	1	1	1	1	1	1

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Max	Min
539.8	537.0
539.6	537.0
534.3	534.0
468.6	467.8
468.0	467.7
539.8	537.0
539.6	537.0
534.2	533.9
534.2	534.0
534.1	533.9
444.5	438.5
444.3	438.5
443.3	437.4
443.5	436.8
443.3	436.4
442.2	436.1
434.9	429.0
435.1	429.0
434.9	430.0
435.1	430.0
434.1	430.0
6.0	6.0
2.0	0.0
1.3	1.0
0.9	0.0
0.4	0.0
1.2	0.9
0.2	0.0
2.0	1.0
2.2	1.0
2.0	1.0
9.0	7.8
9.3	7.8
8.8	4.4
8.8	4.4
9.9	5.1
6.0	6.0

CRITERIA POINTS: YES	No. of YES	Total No. of Inspections	% YES
Channel Velocities	175	175	100.0
Differentials			
North Fish Ladder			
Ladder Exit	174	176	98.9

Columns in Table	This table automatically calculates all results. Just copy the data (only) into the Word file table.								
1	2	3	4	5	6	7	8	9	Rows in Table
LOWER MONUMENTAL			**----------Not Enough Depth----------**			**----------Too Much Depth----------**			1
Criteria and Locations	**No. in Criteria/ No. on Sill/ No. of**	**% In Criteria/ % On Sill**	**No./% Within 0.01-0.1 Foot**	**No./% Within 0.11-0.2 Foot**	**No./% >0.2 Foot**	**No./% Within 0.01-0.1 Foot**	**No./% Within 0.11-0.2 Foot**	**No./% >0.2 Foot**	2 3 4 5

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

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

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

OUT OF CRITERIA SITUATIONS BY INCREMENTS - THESE SHOULD MATCH THE "NOs" ABOVE.										
North Ladder Differentials (more than 0.2 too low)										
Ladder Exit	Not applicable.									
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicable.									
North Ladder Differentials (0.11 - 0.2 too low)										
Ladder Exit	Not applicable.									
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicable.									
North Ladder Differentials (0.01 - 0.1 too low)										
Ladder Exit	Not applicable.									
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicable.									
North Ladder Differentials (0.01 - 0.1 too high)										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Ladder Differentials (0.11 - 0.2 too high)										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
North Ladder Differentials (more than 0.2 too high)										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
South Ladder Differentials (more than 0.2 too low)										
Ladder Exit	Not applicable.									
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicable.									
South Ladder Differentials (0.11 - 0.2 too low)										
Ladder Exit	Not applicable.									
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicable.									

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

CRITERIA POINTS: NO	**(Output = 0, 1, or NA)**									**(Output = 0**
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)**									**(Output = 0**
Weir Depths										
NSE-1										
NSE-2										
SPE-1	1	1	1	1	1	1	1	1	1	1
SPE-2	1	1	1	1	1	1	1	1	1	1
SSE-1	1	1	1	1	0	0	0	0	1	1
SSE-2 (feet above sill)										

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

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

CRITERIA POINTS: NO	**CRITERIA POINTS: NO**							
Channel Velocities	**Channel Velocities**	0	0	0	0	0	0	0
Differentials	**Differentials**							
North Fish Ladder	**North Fish Ladder**							
Ladder Exit	Ladder Exit	0	0	0	0	0	0	0
Ladder Weirs	Ladder Weirs	0	0	0	0	0	0	0
Counting Station	Counting Station	0	0	0	0	0	0	0
South Fish Ladder	**South Fish Ladder**							
Ladder Exit	Ladder Exit	0	0	0	0	0	0	0
Ladder Weirs	Ladder Weirs	0	0	0	0	0	0	0
Counting Station	Counting Station	0	0	0	0	0	0	0
Collection Channels	**Collection Channels**							
North Shore	North Shore	0	0	0	0	0	0	0
South Powerhouse	South Powerhouse	0	0	0	0	0	0	0
South Shore	South Shore	0	0	0	0	0	0	0
Weir Depths	**Weir Depths**							
NSE-1	NSE-1	0	0	0	0	0	0	0
NSE-2	NSE-2	0	0	0	0	0	0	0
SPE-1	SPE-1	0	0	0	0	0	0	0
SPE-2	SPE-2	0	0	0	0	0	0	0
SSE-1	SSE-1	0	0	0	0	0	0	0
SSE-2 (feet above sill)	SSE-2 (feet above sill)	0	0	0	0	0	0	0

CRITERIA POINTS: SILL	**CRITERIA POINTS: SILL**							
Weir Depths	**Weir Depths**							
NSE-1	NSE-1							
NSE-2	NSE-2							
SPE-1	SPE-1	1	1	1	1	1	1	1
SPE-2	SPE-2	1	1	1	1	1	1	1
SSE-1	SSE-1	1	1	1	0	1	1	1
SSE-2 (feet above sill)	SSE-2 (feet above sill)							

North Ladder Differentials (mo	**North Ladder Differentials (more than 0.2 too low)**							
Ladder Exit	Ladder Exit							
Ladder Weirs	Ladder Weirs	0	0	0	0	0	0	0
Counting Station	Counting Station							
North Ladder Differentials (0.1	**North Ladder Differentials (0.11 - 0.2 too low)**							
Ladder Exit	Ladder Exit							
Ladder Weirs	Ladder Weirs	0	0	0	0	0	0	0
Counting Station	Counting Station							
North Ladder Differentials (0.0	**North Ladder Differentials (0.01 - 0.1 too low)**							
Ladder Exit	Ladder Exit							
Ladder Weirs	Ladder Weirs	0	0	0	0	0	0	0
Counting Station	Counting Station							
North Ladder Differentials (0.0	**North Ladder Differentials (0.01 - 0.1 too high)**							
Ladder Exit	Ladder Exit	0	0	0	0	0	0	0
Ladder Weirs	Ladder Weirs	0	0	0	0	0	0	0
Counting Station	Counting Station	0	0	0	0	0	0	0
North Ladder Differentials (0.1	**North Ladder Differentials (0.11 - 0.2 too high)**							
Ladder Exit	Ladder Exit	0	0	0	0	0	0	0
Ladder Weirs	Ladder Weirs	0	0	0	0	0	0	0
Counting Station	Counting Station	0	0	0	0	0	0	0
North Ladder Differentials (mo	**North Ladder Differentials (more than 0.2 too high)**							
Ladder Exit	Ladder Exit	0	0	0	0	0	0	0
Ladder Weirs	Ladder Weirs	0	0	0	0	0	0	0
Counting Station	Counting Station	0	0	0	0	0	0	0
South Ladder Differentials (mo	**South Ladder Differentials (more than 0.2 too low)**							
Ladder Exit	Ladder Exit							
Ladder Weirs	Ladder Weirs	0	0	0	0	0	0	0
Counting Station	Counting Station							
South Ladder Differentials (0.1	**South Ladder Differentials (0.11 - 0.2 too low)**							
Ladder Exit	Ladder Exit							
Ladder Weirs	Ladder Weirs	0	0	0	0	0	0	0
Counting Station	Counting Station							

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

		(Output = 0	**CRITERIA POINTS: NO**							
0	0	0	**Channel Velocities**	0	0	0	0	0	0	0
			Differentials							
			North Fish Ladder							
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	0	0	0	0	0	0	0
			South Fish Ladder							
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	0	0	0	0	0	0	0
			Collection Channels							
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	0	0	0	0	0	0
			Weir Depths							
0	0	0	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

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

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

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

		(Output = 0	**CRITERIA POINTS: NO**							
0	0	0	**Channel Velocities**	0	0	0	0	0	0	0
			Differentials							
			North Fish Ladder							
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	0	0	0	0	0	0	0
			South Fish Ladder							
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	0	0	0	0	0	0	0
			Collection Channels							
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	0	0	0	0	0	0
			Weir Depths							
0	0	0	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

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

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

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

		(Output = 0	**CRITERIA POINTS: NO**							
0	0	0	**Channel Velocities**	0	0	0	0	0	0	0
			Differentials							
			North Fish Ladder							
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	0	0	0	0	0	0	0
			South Fish Ladder							
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	0	0	0	0	0	0	0
			Collection Channels							
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	0	0	0	0	0	0
			Weir Depths							
0	0	0	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

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

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

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

		(Output = 0	**CRITERIA POINTS: NO**							
0	0	0	**Channel Velocities**	0	0	0	0	0	0	0
			Differentials							
			North Fish Ladder							
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	0	0	0	0	0	0	0
			South Fish Ladder							
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	0	0	0	0	0	0	0
			Collection Channels							
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	0	0	0	0	0	0
			Weir Depths							
0	0	0	NSE-1	1	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

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

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

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

		(Output = 0	**CRITERIA POINTS: NO**							
0	0	0	**Channel Velocities**	0	0	0	0	0	0	0
			Differentials							
			North Fish Ladder							
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	0	0	0	0	0	0	0
			South Fish Ladder							
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	0	0	0	0	0	0	0
			Collection Channels							
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	0	0	0	0	0	0
			Weir Depths							
0	0	0	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

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

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

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

		(Output = 0	**CRITERIA POINTS: NO**							
0	0	0	**Channel Velocities**	NA	0	0	0	0	0	0
			Differentials							
			North Fish Ladder							
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	0	0	0	0	0	0	0
			South Fish Ladder							
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	0	0	0	0	0	0	0
			Collection Channels							
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	0	0	0	0	0	0
			Weir Depths							
0	0	0	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

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

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

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

		(Output = 0	**CRITERIA POINTS: NO**							
0	0	0	**Channel Velocities**	0	0	0	0	0	0	0
			Differentials							
			North Fish Ladder							
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	0	0	0	0	0	0	0
			South Fish Ladder							
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	0	0	0	0	0	0	0
			Collection Channels							
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	0	0	0	0	0	0
			Weir Depths							
0	0	0	NSE-1	0	0	0	1	0	0	0
0	0	0	NSE-2	0	0	0	1	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

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

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

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

		(Output = 0	**CRITERIA POINTS: NO**							
0	0	0	**Channel Velocities**	0	0	0	0	0	0	0
			Differentials							
			North Fish Ladder							
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	0	0	0	0	0	0	0
			South Fish Ladder							
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	0	0	0	0	0	0	0
			Collection Channels							
0	0	0	North Shore	0	0	0	0	0	0	0
0	0	0	South Powerhouse	0	0	0	1	0	0	0
0	0	0	South Shore	0	0	0	0	0	0	0
			Weir Depths							
0	0	0	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

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

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

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

		(Output = 0	**CRITERIA POINTS: NO**							
0	0	0	**Channel Velocities**	0	0	0	0	0	0	0
			Differentials							
			North Fish Ladder							
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	0	0	0	0	0	0	0
			South Fish Ladder							
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	0	0	0	0	0	0	0
			Collection Channels							
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	0	0	0	0	0	0
			Weir Depths							
0	0	0	NSE-1	1	0	0	0	0	0	0
0	0	0	NSE-2	1	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

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

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

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

		(Output = 0,	**CRITERIA POINTS: NO**	**(Output = 0, 1, or NA)**						
0	0	0	**Channel Velocities**	0	0	0	0	0	0	0
			Differentials							
			North Fish Ladder							
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	0	0	0	0	0	0	0
			South Fish Ladder							
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	0	0	0	0	0	0	0
			Collection Channels							
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	0	0	0	0	0	0
			Weir Depths							
0	0	0	NSE-1	0	0	0	1	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

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

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

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

			CRITERIA POINTS: NO	**(Output = 0, 1, or NA)**						
0	0	0	**Channel Velocities**	0	0	0	0	0	0	0
			Differentials							
			North Fish Ladder							
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	0	0	0	0	0	0	0
			South Fish Ladder							
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	0	0	0	0	0	0	0
			Collection Channels							
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	0	0	0	0	0	0
			Weir Depths							
0	0	0	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

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

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

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

			CRITERIA POINTS: NO	**(Output = 0, 1, or NA)**						
0	0	0	**Channel Velocities**	0	0	0	0	0	0	0
			Differentials							
			North Fish Ladder							
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	0	0	0	0	1	0	0
			South Fish Ladder							
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	0	0	0	0	0	0	0
			Collection Channels							
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	0	0	0	0	0	0
			Weir Depths							
0	0	0	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

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

			North Ladder Differentials (more than 0.2 too low)							
			Ladder Exit	Not applicable.						
0	0	0	Ladder Weirs	0	0	0	0	0	0	0
			Counting Station	Not applicable.						
			North Ladder Differentials (0.11 - 0.2 too low)							
			Ladder Exit	Not applicable.						
0	0	0	Ladder Weirs	0	0	0	0	0	0	0
			Counting Station	Not applicable.						
			North Ladder Differentials (0.01 - 0.1 too low)							
			Ladder Exit	Not applicable.						
0	0	0	Ladder Weirs	0	0	0	0	0	0	0
			Counting Station	Not applicable.						
			North Ladder Differentials (0.01 - 0.1 too high)							
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	0	0	0	0	0	0	0
			North Ladder Differentials (0.11 - 0.2 too high)							
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	0	0	0	0	0	0	0
			North Ladder Differentials (more than 0.2 too high)							
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	0	0	0	0	1	0	0
			South Ladder Differentials (more than 0.2 too low)							
			Ladder Exit	Not applicable.						
0	0	0	Ladder Weirs	0	0	0	0	0	0	0
			Counting Station	Not applicable.						
			South Ladder Differentials (0.11 - 0.2 too low)							
			Ladder Exit	Not applicable.						
0	0	0	Ladder Weirs	0	0	0	0	0	0	0
			Counting Station	Not applicable.						

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

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

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

			North Ladder Differentials (more than 0.2 too low)							
			Ladder Exit	Not applicable.						
0	0	0	Ladder Weirs	0	0	0	0	0	0	0
			Counting Station	Not applicable.						
			North Ladder Differentials (0.11 - 0.2 too low)							
			Ladder Exit	Not applicable.						
0	0	0	Ladder Weirs	0	0	0	0	0	0	0
			Counting Station	Not applicable.						
			North Ladder Differentials (0.01 - 0.1 too low)							
			Ladder Exit	Not applicable.						
0	0	0	Ladder Weirs	0	0	0	0	0	0	0
			Counting Station	Not applicable.						
			North Ladder Differentials (0.01 - 0.1 too high)							
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	0	0	0	0	0	0	0
			North Ladder Differentials (0.11 - 0.2 too high)							
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	0	0	0	0	0	0	0
			North Ladder Differentials (more than 0.2 too high)							
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	1	0	Counting Station	0	0	0	0	0	0	0
			South Ladder Differentials (more than 0.2 too low)							
			Ladder Exit	Not applicable.						
0	0	0	Ladder Weirs	0	0	0	0	0	0	0
			Counting Station	Not applicable.						
			South Ladder Differentials (0.11 - 0.2 too low)							
			Ladder Exit	Not applicable.						
0	0	0	Ladder Weirs	0	0	0	0	0	0	0
			Counting Station	Not applicable.						

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

			CRITERIA POINTS: NO							
0	0	0	**Channel Velocities**	0	0	0	0	0	0	0
			Differentials							
			North Fish Ladder							
0	0	0	Ladder Exit	0	0	0	0	1	1	0
0	0	0	Ladder Weirs	0	0	0	0	0	0	0
0	0	0	Counting Station	0	0	0	0	0	0	0
			South Fish Ladder							
0	0	0	Ladder Exit	0	0	0	0	0	0	0
0	0	0	Ladder Weirs	0	0	1	0	0	0	0
0	0	0	Counting Station	0	0	0	0	0	0	0
			Collection Channels							
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	0	0	0	0	0	0
			Weir Depths							
0	0	0	NSE-1	0	0	0	0	0	0	0
0	0	0	NSE-2	0	0	1	1	1	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

			CRITERIA POINTS: SILL							
			Weir Depths							
			NSE-1							
			NSE-2							
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	0	0	0	0	0	0
			SSE-2 (feet above sill)							

			North Ladder Differentials (more than 0.2 too low)							
			Ladder Exit							
0	0	0	Ladder Weirs	0	0	0	0	0	0	0
			Counting Station							
			North Ladder Differentials (0.11 - 0.2 too low)							
			Ladder Exit							
0	0	0	Ladder Weirs	0	0	0	0	0	0	0
			Counting Station							
			North Ladder Differentials (0.01 - 0.1 too low)							
			Ladder Exit							
0	0	0	Ladder Weirs	0	0	0	0	0	0	0
			Counting Station							
			North Ladder Differentials (0.01 - 0.1 too high)							
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	0	0	0	0	0	0	0
			North Ladder Differentials (0.11 - 0.2 too high)							
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	0	0	0	0	0	0	0
			North Ladder Differentials (more than 0.2 too high)							
0	0	0	Ladder Exit	0	0	0	0	1	1	0
0	0	0	Ladder Weirs	0	0	0	0	0	0	0
0	0	0	Counting Station	0	0	0	0	0	0	0
			South Ladder Differentials (more than 0.2 too low)							
			Ladder Exit							
0	0	0	Ladder Weirs	0	0	0	0	0	0	0
			Counting Station							
			South Ladder Differentials (0.11 - 0.2 too low)							
			Ladder Exit							
0	0	0	Ladder Weirs	0	0	0	0	0	0	0
			Counting Station							

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

			CRITERIA POINTS: NO						
0	0	0	**Channel Velocities**	0	0	0	0	0	0
			Differentials						
			North Fish Ladder						
0	0	0	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
			South Fish Ladder						
0	0	0	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
			Collection Channels						
0	0	0	North Shore	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
			Weir Depths						
0	0	0	NSE-1	0	0	0	0	0	0
0	0	0	NSE-2	0	0	0	0	0	0
0	0	0	SPE-1	0	0	0	0	0	0
0	0	0	SPE-2	0	0	0	0	0	0
0	0	0	SSE-1	0	0	0	0	0	0
0	0	0	SSE-2 (feet above sill)	0	0	0	0	0	0

			CRITERIA POINTS: SILL						
			Weir Depths						
			NSE-1						
			NSE-2						
1	1	1	SPE-1	1	1	1	1	1	1
1	1	1	SPE-2	1	1	1	1	1	1
1	0	1	SSE-1	0	0	0	0	0	0
			SSE-2 (feet above sill)						

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

Ladder Weirs	176	176	100.0
Counting Station	174	176	98.9
South Fish Ladder			
Ladder Exit	176	176	100.0
Ladder Weirs	175	176	99.4
Counting Station	176	176	100.0
Collection Channels			
North Shore	176	176	100.0
South Powerhouse	175	176	99.4
South Shore	176	176	100.0
Weir Depths			
NSE-1	172	176	97.7
NSE-2	170	176	96.6
SPE-1	6	176	3.4
SPE-2	6	176	3.4
SSE-1	53	176	30.1
SSE-2 (feet above sill)	176	176	100.0

CRITERIA POINTS: NO	No. of NO	% NO
Channel Velocities	0	0.0
Differentials		
North Fish Ladder		
Ladder Exit	2	1.1
Ladder Weirs	0	0.0
Counting Station	2	1.1
South Fish Ladder		
Ladder Exit	0	0.0
Ladder Weirs	1	0.6
Counting Station	0	0.0
Collection Channels		
North Shore	0	0.0
South Powerhouse	1	0.6
South Shore	0	0.0
Weir Depths		
NSE-1	2	1.1
NSE-2	4	2.3
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	No. of SILL	% SILL
Weir Depths		
NSE-1	2	1.1
NSE-2	2	1.1
SPE-1	170	96.6
SPE-2	170	96.6
SSE-1	123	69.9
SSE-2 (feet above sill)	Not Applic.	Not Applic.

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

North Ladder Differentials (more than 0.2 too low)	
Ladder Exit	Not applicable.
Ladder Weirs	0
Counting Station	Not applicable.
North Ladder Differentials (0.11 - 0.2 too low)	
Ladder Exit	Not applicable.
Ladder Weirs	0
Counting Station	Not applicable.
North Ladder Differentials (0.01 - 0.1 too low)	
Ladder Exit	Not applicable.
Ladder Weirs	0
Counting Station	Not applicable.
North Ladder Differentials (0.01 - 0.1 too high)	
Ladder Exit	0
Ladder Weirs	0
Counting Station	0
North Ladder Differentials (0.11 - 0.2 too high)	
Ladder Exit	0
Ladder Weirs	0
Counting Station	0
North Ladder Differentials (more than 0.2 too high)	
Ladder Exit	2
Ladder Weirs	0
Counting Station	2
South Ladder Differentials (more than 0.2 too low)	
Ladder Exit	Not applicable.
Ladder Weirs	0
Counting Station	Not applicable.
South Ladder Differentials (0.11 - 0.2 too low)	
Ladder Exit	Not applicable.
Ladder Weirs	0
Counting Station	Not applicable.

	Inspections								6
Channel Velocities	175	100.0	***	***	***	***	***	***	7
	***	***	***	***	***	***	***	***	8
	175								9
Differentials									10
North Fish Ladder									11
Ladder Exit	174	98.9	***	***	***	0	0	2	12
	***	***	***	***	***	0.0	0.0	1.1	13
	176								14
Ladder Weirs	176	100.0	0	0	0	0	0	0	15
	***	***	0.0	0.0	0.0	0.0	0.0	0.0	16
	176								17
Counting Station	174	98.9	***	***	***	0	0	2	18
	***	***	***	***	***	0.0	0.0	1.1	19
	176								20
South Fish Ladder									21
Ladder Exit	176	100.0	***	***	***	0	0	0	22
	***	***	***	***	***	0.0	0.0	0.0	23
	176								24
Ladder Weirs	175	99.4	1	0	0	0	0	0	25
	***	***	0.6	0.0	0.0	0.0	0.0	0.0	26
	176								27
Counting Station	176	100.0	***	***	***	0	0	0	28
	***	***	***	***	***	0.0	0.0	0.0	29
	176								30
Collection Channels									31
North Shore	176	100.0	0	0	0	0	0	0	32
	***	***	0.0	0.0	0.0	0.0	0.0	0.0	33
	176								34
South Powerhouse	175	99.4	0	0	0	0	0	1	35
	***	***	0.0	0.0	0.0	0.0	0.0	0.6	36
	176								37
South Shore	176	100.0	0	0	0	0	0	0	38
	***	***	0.0	0.0	0.0	0.0	0.0	0.0	39
	176								40
Weir Depths									41
NSE-1	172	97.7	2	0	0	***	***	***	42
	2	1.1	1.1	0.0	0.0	***	***	***	43
	176								44
NSE-2	170	96.6	1	3	0	***	***	***	45
	2	1.1	0.6	1.7	0.0	***	***	***	46
	176								47
SPE-1	6	3.4	1	1	0	***	***	***	48
	170	96.6	0.6	0.6	0.0	***	***	***	49
	176								50
SPE-2	6	3.4	0	1	0	***	***	***	51
	170	96.6	0.0	0.6	0.0	***	***	***	52
	176								53
SSE-1	53	30.1	0	0	0	***	***	***	54
	123	69.9	0.0	0.0	0.0	***	***	***	55
	176								56
SSE-2 (feet above sill)	176	100.0	0	0	0	***	***	***	57
	Not Applic.	***	0.0	0.0	0.0	***	***	***	58
	176								59

South Ladder Differentials (0.01 - 0.1 too low)										
Ladder Exit	Not applicable.									
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicable.									
South Ladder Differentials (0.01 - 0.1 too high)										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
South Ladder Differentials (0.11 - 0.2 too high)										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
South Ladder Differentials (more than 0.2 too high)										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (<0.80)										
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (0.80 - 0.89)										
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (0.90 - 0.99):										
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (2.01 - 2.10)										
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (2.11 - 2.20)										
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (>2.20)										
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0
Entrance Weir Depths (more than 0.2 too low)										
NSE-1 **(<7.80)**	0	0	0	0	0	0	0	0	0	0
NSE-2 **(<7.80)**	0	0	0	0	0	0	0	0	0	0
SPE-1 **(<7.80)**	0	0	0	0	0	0	0	0	0	0
SPE-2 **(<7.80)**	0	0	0	0	0	0	0	0	0	0
SSE-1 **(<7.80)**	0	0	0	0	0	0	0	0	0	0
SSE-2 **(set 6 ft above sill)**	Not Applic.									
Entrance Weir Depths (0.11 - 0.2 too low)										
NSE-1 **(7.80 - 7.89)**	0	0	0	0	0	0	0	0	0	0
NSE-2 **(7.80 - 7.89)**	0	0	0	0	0	0	0	0	0	0
SPE-1 **(7.80 - 7.89)**	0	0	0	0	0	0	0	0	0	0
SPE-2 **(7.80 - 7.89)**	0	0	0	0	0	0	0	0	0	0
SSE-1 **(7.80 - 7.89)**	0	0	0	0	0	0	0	0	0	0
SSE-2 **(set 6 ft above sill)**	Not Applic.									
Entrance Weir Depths (0.01 - 0.1 too low)										
NSE-1 **(7.90 - 7.99)**	0	0	0	0	0	0	0	0	0	0
NSE-2 **(7.90 - 7.99)**	0	0	0	0	0	0	0	0	0	0
SPE-1 **(7.90 - 7.99)**	0	0	0	0	0	0	0	0	0	0
SPE-2 **(7.90 - 7.99)**	0	0	0	0	0	0	0	0	0	0
SSE-1 **(7.90 - 7.99)**	0	0	0	0	0	0	0	0	0	0
SSE-2 **(set 6 ft above sill)**	Not Applic.									

South Ladder Differentials (0.01 - 0.1 too low)										
Ladder Exit	Not applicable.									Not applicab
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	Not applicable.									Not applicab
South Ladder Differentials (0.01 - 0.1 too high)										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
South Ladder Differentials (0.11 - 0.2 too high)										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
South Ladder Differentials (more than 0.2 too high)										
Ladder Exit	0	0	0	0	0	0	0	0	0	0
Ladder Weirs	0	0	0	0	0	0	0	0	0	0
Counting Station	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (<0.80)										
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (0.80 - 0.89)										
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (0.90 - 0.99):										
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (2.01 - 2.10)										
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (2.11 - 2.20)										
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0
Channel/Tailwater Differentials (>2.20)										
North Shore	0	0	0	0	0	0	0	0	0	0
South Powerhouse	0	0	0	0	0	0	0	0	0	0
South Shore	0	0	0	0	0	0	0	0	0	0
Entrance Weir Depths (more than 0.2 too low)										
NSE-1 **(<7.80)**	0	0	0	0	0	0	0	0	0	0
NSE-2 **(<7.80)**	0	0	0	0	0	0	0	0	0	0
SPE-1 **(<7.80)**	0	0	0	0	0	0	0	0	0	0
SPE-2 **(<7.80)**	0	0	0	0	0	0	0	0	0	0
SSE-1 **(<7.80)**	0	0	0	0	0	0	0	0	0	0
SSE-2 **(set 6 ft above sill)**	Not Applic.									
Entrance Weir Depths (0.11 - 0.2 too low)										
NSE-1 **(7.80 - 7.89)**	0	0	0	0	0	0	0	0	0	0
NSE-2 **(7.80 - 7.89)**	0	0	0	0	0	0	0	0	0	0
SPE-1 **(7.80 - 7.89)**	0	0	0	0	0	0	0	0	0	0
SPE-2 **(7.80 - 7.89)**	0	0	0	0	0	0	0	0	0	0
SSE-1 **(7.80 - 7.89)**	0	0	0	0	0	0	0	0	0	0
SSE-2 **(set 6 ft above sill)**	Not Applic.									
Entrance Weir Depths (0.01 - 0.1 too low)										
NSE-1 **(7.90 - 7.99)**	0	0	0	0	0	0	0	0	0	0
NSE-2 **(7.90 - 7.99)**	0	0	0	0	0	0	0	0	0	0
SPE-1 **(7.90 - 7.99)**	0	0	0	0	0	0	0	0	0	1
SPE-2 **(7.90 - 7.99)**	0	0	0	0	0	0	0	0	0	0
SSE-1 **(7.90 - 7.99)**	0	0	0	0	0	0	0	0	0	0
SSE-2 **(set 6 ft above sill)**	Not Applic.									

South Ladder Differentials (0.01	**South Ladder Differentials (0.01 - 0.1 too low)**							
Ladder Exit	Ladder Exit							
Ladder Weirs	Ladder Weirs	0	0	0	0	0	0	0
Counting Station	Counting Station							
South Ladder Differentials (0.01	**South Ladder Differentials (0.01 - 0.1 too high)**							
Ladder Exit	Ladder Exit	0	0	0	0	0	0	0
Ladder Weirs	Ladder Weirs	0	0	0	0	0	0	0
Counting Station	Counting Station	0	0	0	0	0	0	0
South Ladder Differentials (0.11	**South Ladder Differentials (0.11 - 0.2 too high)**							
Ladder Exit	Ladder Exit	0	0	0	0	0	0	0
Ladder Weirs	Ladder Weirs	0	0	0	0	0	0	0
Counting Station	Counting Station	0	0	0	0	0	0	0
South Ladder Differentials (mor	**South Ladder Differentials (more than 0.2 too high)**							
Ladder Exit	Ladder Exit	0	0	0	0	0	0	0
Ladder Weirs	Ladder Weirs	0	0	0	0	0	0	0
Counting Station	Counting Station	0	0	0	0	0	0	0
Channel/Tailwater Differentials	**Channel/Tailwater Differentials (<0.80)**							
North Shore	North Shore	0	0	0	0	0	0	0
South Powerhouse	South Powerhouse	0	0	0	0	0	0	0
South Shore	South Shore	0	0	0	0	0	0	0
Channel/Tailwater Differentials	**Channel/Tailwater Differentials (0.80 - 0.89)**							
North Shore	North Shore	0	0	0	0	0	0	0
South Powerhouse	South Powerhouse	0	0	0	0	0	0	0
South Shore	South Shore	0	0	0	0	0	0	0
Channel/Tailwater Differentials	**Channel/Tailwater Differentials (0.90 - 0.99):**							
North Shore	North Shore	0	0	0	0	0	0	0
South Powerhouse	South Powerhouse	0	0	0	0	0	0	0
South Shore	South Shore	0	0	0	0	0	0	0
Channel/Tailwater Differentials	**Channel/Tailwater Differentials (2.01 - 2.10)**							
North Shore	North Shore	0	0	0	0	0	0	0
South Powerhouse	South Powerhouse	0	0	0	0	0	0	0
South Shore	South Shore	0	0	0	0	0	0	0
Channel/Tailwater Differentials	**Channel/Tailwater Differentials (2.11 - 2.20)**							
North Shore	North Shore	0	0	0	0	0	0	0
South Powerhouse	South Powerhouse	0	0	0	0	0	0	0
South Shore	South Shore	0	0	0	0	0	0	0
Channel/Tailwater Differentials	**Channel/Tailwater Differentials (>2.20)**							
North Shore	North Shore	0	0	0	0	0	0	0
South Powerhouse	South Powerhouse	0	0	0	0	0	0	0
South Shore	South Shore	0	0	0	0	0	0	0
Entrance Weir Depths (more th	**Entrance Weir Depths (more than 0.2 too low)**							
NSE-1 **(<7.80)**	NSE-1 **(<7.80)**	0	0	0	0	0	0	0
NSE-2 **(<7.80)**	NSE-2 **(<7.80)**	0	0	0	0	0	0	0
SPE-1 **(<7.80)**	SPE-1 **(<7.80)**	0	0	0	0	0	0	0
SPE-2 **(<7.80)**	SPE-2 **(<7.80)**	0	0	0	0	0	0	0
SSE-1 **(<7.80)**	SSE-1 **(<7.80)**	0	0	0	0	0	0	0
SSE-2 **(set 6 ft above sill)**	SSE-2 **(set 6 ft above sill)**	Not Applic.						
Entrance Weir Depths (0.11 - 0.	**Entrance Weir Depths (0.11 - 0.2 too low)**							
NSE-1 **(7.80 - 7.89)**	NSE-1 **(7.80 - 7.89)**	0	0	0	0	0	0	0
NSE-2 **(7.80 - 7.89)**	NSE-2 **(7.80 - 7.89)**	0	0	0	0	0	0	0
SPE-1 **(7.80 - 7.89)**	SPE-1 **(7.80 - 7.89)**	0	0	0	0	0	0	0
SPE-2 **(7.80 - 7.89)**	SPE-2 **(7.80 - 7.89)**	0	0	0	0	0	0	0
SSE-1 **(7.80 - 7.89)**	SSE-1 **(7.80 - 7.89)**	0	0	0	0	0	0	0
SSE-2 **(set 6 ft above sill)**	SSE-2 **(set 6 ft above sill)**	Not Applic.						
Entrance Weir Depths (0.01 - 0.	**Entrance Weir Depths (0.01 - 0.1 too low)**							
NSE-1 **(7.90 - 7.99)**	NSE-1 **(7.90 - 7.99)**	0	0	0	0	0	0	0
NSE-2 **(7.90 - 7.99)**	NSE-2 **(7.90 - 7.99)**	0	0	0	0	0	0	1
SPE-1 **(7.90 - 7.99)**	SPE-1 **(7.90 - 7.99)**	0	0	0	0	0	0	0
SPE-2 **(7.90 - 7.99)**	SPE-2 **(7.90 - 7.99)**	0	0	0	0	0	0	0
SSE-1 **(7.90 - 7.99)**	SSE-1 **(7.90 - 7.99)**	0	0	0	0	0	0	0
SSE-2 **(set 6 ft above sill)**	SSE-2 **(set 6 ft above sill)**	Not Applic.						

			South Ladder Differentials (0.01 - 0.1 too low)							
		Not applicab	Ladder Exit							
0	0	0	Ladder Weirs	0	0	0	0	0	0	0
		Not applicab	Counting Station							
			South Ladder Differentials (0.01 - 0.1 too high)							
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	0	0	0	0	0	0	0
			South Ladder Differentials (0.11 - 0.2 too high)							
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	0	0	0	0	0	0	0
			South Ladder Differentials (more than 0.2 too high)							
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	0	0	0	0	0	0	0
			Channel/Tailwater Differentials (<0.80)							
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	0	0	0	0	0	0
			Channel/Tailwater Differentials (0.80 - 0.89)							
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	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	South Powerhouse	0	0	0	0	0	0	0
0	0	0	South Shore	0	0	0	0	0	0	0
			Channel/Tailwater Differentials (2.01 - 2.10)							
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	0	0	0	0	0	0
			Channel/Tailwater Differentials (2.11 - 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	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	0	0	0	0	0	0
			Entrance Weir Depths (more than 0.2 too low)							
0	0	0	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
			SSE-2 **(set 6 ft above sill)**	Not Applic.						
			Entrance Weir Depths (0.11 - 0.2 too low)							
0	0	0	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	1	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
			SSE-2 **(set 6 ft above sill)**	Not Applic.						
			Entrance Weir Depths (0.01 - 0.1 too low)							
0	0	0	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
			SSE-2 **(set 6 ft above sill)**	Not Applic.						

			South Ladder Differentials (0.01 - 0.1 too low)							
		Not applicab	Ladder Exit							
0	0	0	Ladder Weirs	0	0	0	0	0	0	0
		Not applicab	Counting Station							
			South Ladder Differentials (0.01 - 0.1 too high)							
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	0	0	0	0	0	0	0
			South Ladder Differentials (0.11 - 0.2 too high)							
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	0	0	0	0	0	0	0
			South Ladder Differentials (more than 0.2 too high)							
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	0	0	0	0	0	0	0
			Channel/Tailwater Differentials (<0.80)							
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	0	0	0	0	0	0
			Channel/Tailwater Differentials (0.80 - 0.89)							
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	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	South Powerhouse	0	0	0	0	0	0	0
0	0	0	South Shore	0	0	0	0	0	0	0
			Channel/Tailwater Differentials (2.01 - 2.10)							
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	0	0	0	0	0	0
			Channel/Tailwater Differentials (2.11 - 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	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	0	0	0	0	0	0
			Entrance Weir Depths (more than 0.2 too low)							
0	0	0	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
			SSE-2 **(set 6 ft above sill)**	Not Applic.						
			Entrance Weir Depths (0.11 - 0.2 too low)							
0	0	0	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	1
0	0	0	SSE-1 **(7.80 - 7.89)**	0	0	0	0	0	0	0
			SSE-2 **(set 6 ft above sill)**	Not Applic.						
			Entrance Weir Depths (0.01 - 0.1 too low)							
0	0	0	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
			SSE-2 **(set 6 ft above sill)**	Not Applic.						

			South Ladder Differentials (0.01 - 0.1 too low)							
		Not applicab	Ladder Exit							
0	0	0	Ladder Weirs	0	0	0	0	0	0	0
		Not applicab	Counting Station							
			South Ladder Differentials (0.01 - 0.1 too high)							
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	0	0	0	0	0	0	0
			South Ladder Differentials (0.11 - 0.2 too high)							
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	0	0	0	0	0	0	0
			South Ladder Differentials (more than 0.2 too high)							
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	0	0	0	0	0	0	0
			Channel/Tailwater Differentials (<0.80)							
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	0	0	0	0	0	0
			Channel/Tailwater Differentials (0.80 - 0.89)							
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	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	South Powerhouse	0	0	0	0	0	0	0
0	0	0	South Shore	0	0	0	0	0	0	0
			Channel/Tailwater Differentials (2.01 - 2.10)							
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	0	0	0	0	0	0
			Channel/Tailwater Differentials (2.11 - 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	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	0	0	0	0	0	0
			Entrance Weir Depths (more than 0.2 too low)							
0	0	0	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
			SSE-2 **(set 6 ft above sill)**	Not Applic.						
			Entrance Weir Depths (0.11 - 0.2 too low)							
0	0	0	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
			SSE-2 **(set 6 ft above sill)**	Not Applic.						
			Entrance Weir Depths (0.01 - 0.1 too low)							
0	0	0	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
			SSE-2 **(set 6 ft above sill)**	Not Applic.						

			South Ladder Differentials (0.01 - 0.1 too low)							
		Not applicab	Ladder Exit							
0	0	0	Ladder Weirs	0	0	0	0	0	0	0
		Not applicab	Counting Station							
			South Ladder Differentials (0.01 - 0.1 too high)							
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	0	0	0	0	0	0	0
			South Ladder Differentials (0.11 - 0.2 too high)							
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	0	0	0	0	0	0	0
			South Ladder Differentials (more than 0.2 too high)							
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	0	0	0	0	0	0	0
			Channel/Tailwater Differentials (<0.80)							
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	0	0	0	0	0	0
			Channel/Tailwater Differentials (0.80 - 0.89)							
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	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	South Powerhouse	0	0	0	0	0	0	0
0	0	0	South Shore	0	0	0	0	0	0	0
			Channel/Tailwater Differentials (2.01 - 2.10)							
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	0	0	0	0	0	0
			Channel/Tailwater Differentials (2.11 - 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	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	0	0	0	0	0	0
			Entrance Weir Depths (more than 0.2 too low)							
0	0	0	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
			SSE-2 **(set 6 ft above sill)**	Not Applic.						
			Entrance Weir Depths (0.11 - 0.2 too low)							
0	0	0	NSE-1 **(7.80 - 7.89)**	1	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
			SSE-2 **(set 6 ft above sill)**	Not Applic.						
			Entrance Weir Depths (0.01 - 0.1 too low)							
0	0	0	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
			SSE-2 **(set 6 ft above sill)**	Not Applic.						

			South Ladder Differentials (0.01 - 0.1 too low)							
		Not applicab	Ladder Exit							
0	0	0	Ladder Weirs	0	0	0	0	0	0	0
		Not applicab	Counting Station							
			South Ladder Differentials (0.01 - 0.1 too high)							
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	0	0	0	0	0	0	0
			South Ladder Differentials (0.11 - 0.2 too high)							
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	0	0	0	0	0	0	0
			South Ladder Differentials (more than 0.2 too high)							
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	0	0	0	0	0	0	0
			Channel/Tailwater Differentials (<0.80)							
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	0	0	0	0	0	0
			Channel/Tailwater Differentials (0.80 - 0.89)							
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	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	South Powerhouse	0	0	0	0	0	0	0
0	0	0	South Shore	0	0	0	0	0	0	0
			Channel/Tailwater Differentials (2.01 - 2.10)							
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	0	0	0	0	0	0
			Channel/Tailwater Differentials (2.11 - 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	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	0	0	0	0	0	0
			Entrance Weir Depths (more than 0.2 too low)							
0	0	0	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
			SSE-2 **(set 6 ft above sill)**	Not Applic.						
			Entrance Weir Depths (0.11 - 0.2 too low)							
0	0	0	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
			SSE-2 **(set 6 ft above sill)**	Not Applic.						
			Entrance Weir Depths (0.01 - 0.1 too low)							
0	0	0	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
			SSE-2 **(set 6 ft above sill)**	Not Applic.						

			South Ladder Differentials (0.01 - 0.1 too low)							
		Not applicab	Ladder Exit							
0	0	0	Ladder Weirs	0	0	0	0	0	0	0
		Not applicab	Counting Station							
			South Ladder Differentials (0.01 - 0.1 too high)							
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	0	0	0	0	0	0	0
			South Ladder Differentials (0.11 - 0.2 too high)							
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	0	0	0	0	0	0	0
			South Ladder Differentials (more than 0.2 too high)							
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	0	0	0	0	0	0	0
			Channel/Tailwater Differentials (<0.80)							
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	0	0	0	0	0	0
			Channel/Tailwater Differentials (0.80 - 0.89)							
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	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	South Powerhouse	0	0	0	0	0	0	0
0	0	0	South Shore	0	0	0	0	0	0	0
			Channel/Tailwater Differentials (2.01 - 2.10)							
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	0	0	0	0	0	0
			Channel/Tailwater Differentials (2.11 - 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	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	0	0	0	0	0	0
			Entrance Weir Depths (more than 0.2 too low)							
0	0	0	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
			SSE-2 **(set 6 ft above sill)**	Not Applic.						
			Entrance Weir Depths (0.11 - 0.2 too low)							
0	0	0	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
			SSE-2 **(set 6 ft above sill)**	Not Applic.						
			Entrance Weir Depths (0.01 - 0.1 too low)							
0	0	0	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
			SSE-2 **(set 6 ft above sill)**	Not Applic.						

			South Ladder Differentials (0.01 - 0.1 too low)							
		Not applicab	Ladder Exit							
0	0	0	Ladder Weirs	0	0	0	0	0	0	0
		Not applicab	Counting Station							
			South Ladder Differentials (0.01 - 0.1 too high)							
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	0	0	0	0	0	0	0
			South Ladder Differentials (0.11 - 0.2 too high)							
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	0	0	0	0	0	0	0
			South Ladder Differentials (more than 0.2 too high)							
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	0	0	0	0	0	0	0
			Channel/Tailwater Differentials (<0.80)							
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	0	0	0	0	0	0
			Channel/Tailwater Differentials (0.80 - 0.89)							
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	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	South Powerhouse	0	0	0	0	0	0	0
0	0	0	South Shore	0	0	0	0	0	0	0
			Channel/Tailwater Differentials (2.01 - 2.10)							
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	0	0	0	0	0	0
			Channel/Tailwater Differentials (2.11 - 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	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	0	0	0	0	0	0
			Entrance Weir Depths (more than 0.2 too low)							
0	0	0	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
			SSE-2 **(set 6 ft above sill)**	Not Applic.						
			Entrance Weir Depths (0.11 - 0.2 too low)							
0	0	0	NSE-1 **(7.80 - 7.89)**	0	0	0	1	0	0	0
0	0	0	NSE-2 **(7.80 - 7.89)**	0	0	0	1	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
			SSE-2 **(set 6 ft above sill)**	Not Applic.						
			Entrance Weir Depths (0.01 - 0.1 too low)							
0	0	0	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
			SSE-2 **(set 6 ft above sill)**	Not Applic.						

			South Ladder Differentials (0.01 - 0.1 too low)							
		Not applicab	Ladder Exit							
0	0	0	Ladder Weirs	0	0	0	0	0	0	0
		Not applicab	Counting Station							
			South Ladder Differentials (0.01 - 0.1 too high)							
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	0	0	0	0	0	0	0
			South Ladder Differentials (0.11 - 0.2 too high)							
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	0	0	0	0	0	0	0
			South Ladder Differentials (more than 0.2 too high)							
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	0	0	0	0	0	0	0
			Channel/Tailwater Differentials (<0.80)							
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	0	0	0	0	0	0
			Channel/Tailwater Differentials (0.80 - 0.89)							
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	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	South Powerhouse	0	0	0	0	0	0	0
0	0	0	South Shore	0	0	0	0	0	0	0
			Channel/Tailwater Differentials (2.01 - 2.10)							
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	0	0	0	0	0	0
			Channel/Tailwater Differentials (2.11 - 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	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	1	0	0	0
0	0	0	South Shore	0	0	0	0	0	0	0
			Entrance Weir Depths (more than 0.2 too low)							
0	0	0	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
			SSE-2 **(set 6 ft above sill)**	Not Applic.						
			Entrance Weir Depths (0.11 - 0.2 too low)							
0	0	0	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
			SSE-2 **(set 6 ft above sill)**	Not Applic.						
			Entrance Weir Depths (0.01 - 0.1 too low)							
0	0	0	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
			SSE-2 **(set 6 ft above sill)**	Not Applic.						

			South Ladder Differentials (0.01 - 0.1 too low)							
		Not applicab	Ladder Exit							
0	0	0	Ladder Weirs	0	0	0	0	0	0	0
		Not applicab	Counting Station							
			South Ladder Differentials (0.01 - 0.1 too high)							
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	0	0	0	0	0	0	0
			South Ladder Differentials (0.11 - 0.2 too high)							
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	0	0	0	0	0	0	0
			South Ladder Differentials (more than 0.2 too high)							
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	0	0	0	0	0	0	0
			Channel/Tailwater Differentials (<0.80)							
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	0	0	0	0	0	0
			Channel/Tailwater Differentials (0.80 - 0.89)							
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	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	South Powerhouse	0	0	0	0	0	0	0
0	0	0	South Shore	0	0	0	0	0	0	0
			Channel/Tailwater Differentials (2.01 - 2.10)							
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	0	0	0	0	0	0
			Channel/Tailwater Differentials (2.11 - 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	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	0	0	0	0	0	0
			Entrance Weir Depths (more than 0.2 too low)							
0	0	0	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
			SSE-2 **(set 6 ft above sill)**	Not Applic.						
			Entrance Weir Depths (0.11 - 0.2 too low)							
0	0	0	NSE-1 **(7.80 - 7.89)**	1	0	0	0	0	0	0
0	0	0	NSE-2 **(7.80 - 7.89)**	1	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
			SSE-2 **(set 6 ft above sill)**	Not Applic.						
			Entrance Weir Depths (0.01 - 0.1 too low)							
0	0	0	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
			SSE-2 **(set 6 ft above sill)**	Not Applic.						

			South Ladder Differentials (0.01 - 0.1 too low)							
		Not applicab	Ladder Exit	Not applicable.						
0	0	0	Ladder Weirs	0	0	0	0	0	0	0
		Not applicab	Counting Station	Not applicable.						
			South Ladder Differentials (0.01 - 0.1 too high)							
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	0	0	0	0	0	0	0
			South Ladder Differentials (0.11 - 0.2 too high)							
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	0	0	0	0	0	0	0
			South Ladder Differentials (more than 0.2 too high)							
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	0	0	0	0	0	0	0
			Channel/Tailwater Differentials (<0.80)							
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	0	0	0	0	0	0
			Channel/Tailwater Differentials (0.80 - 0.89)							
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	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	South Powerhouse	0	0	0	0	0	0	0
0	0	0	South Shore	0	0	0	0	0	0	0
			Channel/Tailwater Differentials (2.01 - 2.10)							
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	0	0	0	0	0	0
			Channel/Tailwater Differentials (2.11 - 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	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	0	0	0	0	0	0
			Entrance Weir Depths (more than 0.2 too low)							
0	0	0	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
			SSE-2 **(set 6 ft above sill)**	Not Applic.						
			Entrance Weir Depths (0.11 - 0.2 too low)							
0	0	0	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
			SSE-2 **(set 6 ft above sill)**	Not Applic.						
			Entrance Weir Depths (0.01 - 0.1 too low)							
0	0	0	NSE-1 **(7.90 - 7.99)**	0	0	0	1	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
			SSE-2 **(set 6 ft above sill)**	Not Applic.						

			South Ladder Differentials (0.01 - 0.1 too low)								
			Ladder Exit	Not applicable.							
0	0	0	Ladder Weirs	0	0	0	0	0	0	0	
			Counting Station	Not applicable.							
			South Ladder Differentials (0.01 - 0.1 too high)								
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	0	0	0	0	0	0	0	
			South Ladder Differentials (0.11 - 0.2 too high)								
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	0	0	0	0	0	0	0	
			South Ladder Differentials (more than 0.2 too high)								
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	0	0	0	0	0	0	0	
			Channel/Tailwater Differentials (<0.80)								
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	0	0	0	0	0	0	
			Channel/Tailwater Differentials (0.80 - 0.89)								
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	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	South Powerhouse	0	0	0	0	0	0	0	
0	0	0	South Shore	0	0	0	0	0	0	0	
			Channel/Tailwater Differentials (2.01 - 2.10)								
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	0	0	0	0	0	0	
			Channel/Tailwater Differentials (2.11 - 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	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	0	0	0	0	0	0	
			Entrance Weir Depths (more than 0.2 too low)								
0	0	0	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	
			SSE-2 **(set 6 ft above sill)**	Not Applic.							
			Entrance Weir Depths (0.11 - 0.2 too low)								
0	0	0	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	
			SSE-2 **(set 6 ft above sill)**	Not Applic.							
			Entrance Weir Depths (0.01 - 0.1 too low)								
0	0	0	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	
			SSE-2 **(set 6 ft above sill)**	Not Applic.							

			South Ladder Differentials (0.01 - 0.1 too low)								
			Ladder Exit	Not applicable.							
0	0	0	Ladder Weirs	0	0	0	0	0	0	0	
			Counting Station	Not applicable.							
			South Ladder Differentials (0.01 - 0.1 too high)								
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	0	0	0	0	0	0	0	
			South Ladder Differentials (0.11 - 0.2 too high)								
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	0	0	0	0	0	0	0	
			South Ladder Differentials (more than 0.2 too high)								
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	0	0	0	0	0	0	0	
			Channel/Tailwater Differentials (<0.80)								
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	0	0	0	0	0	0	
			Channel/Tailwater Differentials (0.80 - 0.89)								
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	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	South Powerhouse	0	0	0	0	0	0	0	
0	0	0	South Shore	0	0	0	0	0	0	0	
			Channel/Tailwater Differentials (2.01 - 2.10)								
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	0	0	0	0	0	0	
			Channel/Tailwater Differentials (2.11 - 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	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	0	0	0	0	0	0	
			Entrance Weir Depths (more than 0.2 too low)								
0	0	0	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	
			SSE-2 **(set 6 ft above sill)**	Not Applic.							
			Entrance Weir Depths (0.11 - 0.2 too low)								
0	0	0	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	
			SSE-2 **(set 6 ft above sill)**	Not Applic.							
			Entrance Weir Depths (0.01 - 0.1 too low)								
0	0	0	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	
			SSE-2 **(set 6 ft above sill)**	Not Applic.							

			South Ladder Differentials (0.01 - 0.1 too low)								
			Ladder Exit	Not applicable.							
0	0	0	Ladder Weirs	0	0	0	0	0	0	0	
			Counting Station	Not applicable.							
			South Ladder Differentials (0.01 - 0.1 too high)								
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	0	0	0	0	0	0	0	
			South Ladder Differentials (0.11 - 0.2 too high)								
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	0	0	0	0	0	0	0	
			South Ladder Differentials (more than 0.2 too high)								
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	0	0	0	0	0	0	0	
			Channel/Tailwater Differentials (<0.80)								
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	0	0	0	0	0	0	
			Channel/Tailwater Differentials (0.80 - 0.89)								
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	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	South Powerhouse	0	0	0	0	0	0	0	
0	0	0	South Shore	0	0	0	0	0	0	0	
			Channel/Tailwater Differentials (2.01 - 2.10)								
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	0	0	0	0	0	0	
			Channel/Tailwater Differentials (2.11 - 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	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	0	0	0	0	0	0	
			Entrance Weir Depths (more than 0.2 too low)								
0	0	0	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	
			SSE-2 **(set 6 ft above sill)**	Not Applic.							
			Entrance Weir Depths (0.11 - 0.2 too low)								
0	0	0	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	
			SSE-2 **(set 6 ft above sill)**	Not Applic.							
			Entrance Weir Depths (0.01 - 0.1 too low)								
0	0	0	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	
			SSE-2 **(set 6 ft above sill)**	Not Applic.							

			South Ladder Differentials (0.01 - 0.1 too low)							
			Ladder Exit							
0	0	0	Ladder Weirs	0	0	1	0	0	0	0
			Counting Station							
			South Ladder Differentials (0.01 - 0.1 too high)							
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	0	0	0	0	0	0	0
			South Ladder Differentials (0.11 - 0.2 too high)							
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	0	0	0	0	0	0	0
			South Ladder Differentials (more than 0.2 too high)							
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	0	0	0	0	0	0	0
			Channel/Tailwater Differentials (<0.80)							
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	0	0	0	0	0	0
			Channel/Tailwater Differentials (0.80 - 0.89)							
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	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	South Powerhouse	0	0	0	0	0	0	0
0	0	0	South Shore	0	0	0	0	0	0	0
			Channel/Tailwater Differentials (2.01 - 2.10)							
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	0	0	0	0	0	0
			Channel/Tailwater Differentials (2.11 - 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	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	0	0	0	0	0	0
			Entrance Weir Depths (more than 0.2 too low)							
0	0	0	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
			SSE-2 **(set 6 ft above sill)**							
			Entrance Weir Depths (0.11 - 0.2 too low)							
0	0	0	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	1	1	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
			SSE-2 **(set 6 ft above sill)**							
			Entrance Weir Depths (0.01 - 0.1 too low)							
0	0	0	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
			SSE-2 **(set 6 ft above sill)**							

			South Ladder Differentials (0.01 - 0.1 too low)							
			Ladder Exit							
0	0	0	Ladder Weirs	0	0	0	0	0	0	
			Counting Station							
			South Ladder Differentials (0.01 - 0.1 too high)							
0	0	0	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	
			South Ladder Differentials (0.11 - 0.2 too high)							
0	0	0	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	
			South Ladder Differentials (more than 0.2 too high)							
0	0	0	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	
			Channel/Tailwater Differentials (<0.80)							
0	0	0	North Shore	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	
			Channel/Tailwater Differentials (0.80 - 0.89)							
0	0	0	North Shore	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	
			Channel/Tailwater Differentials (0.90 - 0.99):							
0	0	0	North Shore	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	
			Channel/Tailwater Differentials (2.01 - 2.10)							
0	0	0	North Shore	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	
			Channel/Tailwater Differentials (2.11 - 2.20)							
0	0	0	North Shore	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	
			Channel/Tailwater Differentials (>2.20)							
0	0	0	North Shore	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	
			Entrance Weir Depths (more than 0.2 too low)							
0	0	0	NSE-1 **(<7.80)**	0	0	0	0	0	0	
0	0	0	NSE-2 **(<7.80)**	0	0	0	0	0	0	
0	0	0	SPE-1 **(<7.80)**	0	0	0	0	0	0	
0	0	0	SPE-2 **(<7.80)**	0	0	0	0	0	0	
0	0	0	SSE-1 **(<7.80)**	0	0	0	0	0	0	
			SSE-2 **(set 6 ft above sill)**							
			Entrance Weir Depths (0.11 - 0.2 too low)							
0	0	0	NSE-1 **(7.80 - 7.89)**	0	0	0	0	0	0	
0	0	0	NSE-2 **(7.80 - 7.89)**	0	0	0	0	0	0	
0	0	0	SPE-1 **(7.80 - 7.89)**	0	0	0	0	0	0	
0	0	0	SPE-2 **(7.80 - 7.89)**	0	0	0	0	0	0	
0	0	0	SSE-1 **(7.80 - 7.89)**	0	0	0	0	0	0	
			SSE-2 **(set 6 ft above sill)**							
			Entrance Weir Depths (0.01 - 0.1 too low)							
0	0	0	NSE-1 **(7.90 - 7.99)**	0	0	0	0	0	0	
0	0	0	NSE-2 **(7.90 - 7.99)**	0	0	0	0	0	0	
0	0	0	SPE-1 **(7.90 - 7.99)**	0	0	0	0	0	0	
0	0	0	SPE-2 **(7.90 - 7.99)**	0	0	0	0	0	0	
0	0	0	SSE-1 **(7.90 - 7.99)**	0	0	0	0	0	0	
			SSE-2 **(set 6 ft above sill)**							

South Ladder Differentials (0.01 - 0.1 too low)	
Ladder Exit	Not applicable.
Ladder Weirs	1
Counting Station	Not applicable.
South Ladder Differentials (0.01 - 0.1 too high)	
Ladder Exit	0
Ladder Weirs	0
Counting Station	0
South Ladder Differentials (0.11 - 0.2 too high)	
Ladder Exit	0
Ladder Weirs	0
Counting Station	0
South Ladder Differentials (more than 0.2 too high)	
Ladder Exit	0
Ladder Weirs	0
Counting Station	0
Channel/Tailwater Differentials (<0.80)	
North Shore	0
South Powerhouse	0
South Shore	0
Channel/Tailwater Differentials (0.80 - 0.89)	
North Shore	0
South Powerhouse	0
South Shore	0
Channel/Tailwater Differentials (0.90 - 0.99):	
North Shore	0
South Powerhouse	0
South Shore	0
Channel/Tailwater Differentials (2.01 - 2.10)	
North Shore	0
South Powerhouse	0
South Shore	0
Channel/Tailwater Differentials (2.11 - 2.20)	
North Shore	0
South Powerhouse	0
South Shore	0
Channel/Tailwater Differentials (>2.20)	
North Shore	0
South Powerhouse	1
South Shore	0
Entrance Weir Depths (more than 0.2 too low)	
NSE-1 (<7.80)	0
NSE-2 (<7.80)	0
SPE-1 (<7.80)	0
SPE-2 (<7.80)	0
SSE-1 (<7.80)	0
SSE-2 (set 6 ft above sill)	0
Entrance Weir Depths (0.11 - 0.2 too low)	
NSE-1 (7.80 - 7.89)	0
NSE-2 (7.80 - 7.89)	3
SPE-1 (7.80 - 7.89)	1
SPE-2 (7.80 - 7.89)	1
SSE-1 (7.80 - 7.89)	0
SSE-2 (set 6 ft above sill)	0
Entrance Weir Depths (0.01 - 0.1 too low)	
NSE-1 (7.90 - 7.99)	2
NSE-2 (7.90 - 7.99)	1
SPE-1 (7.90 - 7.99)	1
SPE-2 (7.90 - 7.99)	0
SSE-1 (7.90 - 7.99)	0
SSE-2 (set 6 ft above sill)	0