

May 12, 2016

VIA E-FILING

Ms. Kimberly D. Bose, Secretary
Federal Energy Regulatory Commission
888 First Street, N. E.
Washington, DC 20426

***Ellsworth Hydroelectric Project (FERC No. 2727)
Response to Deficiencies and Additional Information Request***

Dear Secretary Bose:

On December 30, 2015, the Licensee for the Ellsworth Hydroelectric Project, Black Bear Hydro Partners LLC, filed an *Application for New license for Major Project – Existing Dam – Ellsworth Hydroelectric Project* (Application). By letter dated January 29, 2016 the Commission requested additional information to supplement the Application.¹ Attached are the Licensee's responses to the January 29, 2016 request.

If there are any questions or comments regarding this filing, please contact me by phone at (207) 755-5603, or by e-mail at Frank.Dunlap@BrookfieldRenewable.com.

Sincerely,



Frank H. Dunlap
Licensing Specialist

cc: Distribution List
A. Zarrella, Brookfield
J. Trudell, Brookfield
J. Cole, Brookfield

Attachments: Response to Additional Information Request

¹ The Commission's January 29, 2016 letter requested a response by April 28, 2016; by letter dated May 2, 2016 the Commission granted an extension of time until May 12, 2016 for Licensee to file this response.

CERTIFICATE OF SERVICE
Ellsworth Hydroelectric Project (FERC No. 2727)
Response to Commission's January 29, 2016 Additional Information Request

I, Frank H. Dunlap, Licensing Specialist, Brookfield Renewable Energy Group, hereby certify that a link to the foregoing document on the Commission website has been transmitted to the following parties on May 12, 2016.


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One copy, via e-filing to:
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May 12, 2016

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**Ellsworth Hydroelectric Project (FERC No. 2727)
Blackbear Hydro Partners LLC**

Applicants Response to Schedule A - Deficiencies

Single-Line Diagram

1. *The Exhibit H filed with the FLA does not include a single-line diagram as required by section 5.18(c)(1)(F)(3) of the Commission's regulations. Therefore, you must provide a single line diagram.*

A single-line diagram for the Ellsworth Project is provided as Attachment 1 and has been included in the revised Exhibit A.

Exhibit G Project Map

2. *The Exhibit G filed with the FLA does not comply with section 4.51(h) (which refers to section 4.41(h) of the Commission's regulations, because it does not include: (a) project boundary data in a geo-referenced electric format (i.e., ArcView shape file or similar format); (b) electronic boundary data that is positionally accurate to ± 40 feet; and (c) a text file describing the map projection used for the Exhibit G data. Therefore, you must provide this information.*

The required electronic data files for Exhibit G are being filed under separate cover concurrently with this submittal. The revised Exhibit G Sheet 1, as discussed under Item 4 below is herein provided in PDF format as Attachment 2.

Project Description

3. *Exhibit A of the FLA does not provide all the information required by section 4.51(b) of the commission's regulations as requested in our comments on the draft license application. To address this deficiency, Exhibit A of the license application should be revised to describe the following facilities: (1) height of the 8-foot-wide sluice bay at the Graham Lake Development; (2) length and composition (i.e., concrete, masonry, etc.) of the east abutment at the Ellsworth Development; (3) gross storage volume of Graham Lake; (4) number and dimensions of each headgate and trashracks at both developments; (6) dimensions and hydraulic capacities of the downstream fish passage facilities at the Graham lake Development and the upstream fishway structure at the Ellsworth Development; (7) the minimum hydraulic capacity of each turbine at the Ellsworth Development; and (8) the voltage of the transmission line at the Ellsworth Development.*

The requested dimensions have been scaled from Exhibit F drawings and incorporated into a revised Exhibit A, attached hereto as Attachment 3. Note that there are no trashracks at the Graham Lake Development. The minimum hydraulic capacities for units 2 and 3 (there is no data readily available to document the minimum hydraulic capacities for units 1 and 4) were previously included in Exhibit E Table E-2; those capacity numbers have been added to the revised Table A- 1.

Exhibit G Map

4. *Sheet 1 of the Exhibit G PDF maps shows what appears to be the regional distribution line and includes a note stating that the feature is not a project facility. In addition, sheet 1 does not show the 320-foot-long project transmission line as required by section 4.51(b) of the Commission's regulations. Therefore, you must file a revised sheet 1 of Exhibit G that shows and labels the 320-foot-long project transmission line including its interconnections with the regional distribution line.*

See Attachment 2 hereto for the revised Exhibit G – Sheet 1 in PDF format, updated to identify the location of the generator leads. Other than the generator leads, all of the distribution and/or transmission lines that cross project lands are owned by the local utility and are non-Project facilities. See Attachment 3 for a revised Exhibit A which contains a revised description of the dimensional length of the generator leads and of the interconnection with the local utility's distribution system (i.e. a single line electrical diagram).

Applicant's Response to Schedule B – Requests for Additional Information

Project Description

1. *Exhibit A, page A-4 of the FLA lists the length of the west earthen embankment at of the Graham Lake Development as 550 feet, whereas Exhibit A, page A-7 lists the length as 670 feet. In addition, Exhibit A, page A-3 lists the Ellsworth Development's maximum dam height as 60 feet, whereas Exhibit A, page A-4 lists the height as 62.75 feet. Please revise Exhibit A to correct these inconsistencies.*

The length of the west earthen embankment is 550 feet, the total dam length is 630 feet, and the maximum height of the dam is 60 feet. Please see Attachment 3 for a revised Exhibit A with the previous inconsistencies resolved.

2. *Exhibit A, page A-5 of the FLA indicates that the Ellsworth spillway is equipped with 1.7-foot-high flashboards, but does not describe when the flashboards are in place (i.e., seasonal or permanent), the elevation at which the flashboards fail, or the infrequency or duration that the Ellsworth impoundment is above the crest of the flashboards. Please provide this information.*

The flashboards at the Ellsworth development are in place for year-round operation. The normal operation of the Ellsworth development is to maintain the headpond elevation at, or within a foot below, the top of the flashboards. The flashboards are designed to fail with approximately two feet of water over the top of the boards; the frequency at which the flashboards fail is variable depending upon the frequency and duration of high inflows, and resultant high headpond elevations, in any given year or season. The revised Exhibit A included as Attachment 3 has been updated to include this information.

Flow Duration Curves

- 3. Commission staff's October 8, 2015, letter requested that the FLA include revised flow duration curves that account for the seasonal variation in minimum flows and fish passage flows. In response, the FLA states the flow statistics were calculated from project generation data because there is no USGS stream gage in the Union River. The FLA further states that the generation-based flow data is similar to flows estimated using area-prorated data from the USGS gage on the nearby Narraguagus River, and, therefore, it is reasonable to use this data to develop flow duration curves. However, it remains unclear why the flow duration curves show a 323 cubic feet per second (cfs) minimum project release from July 1 through April 30. During this period, the required minimum flow is 105 cfs. In addition, the downstream fish passage facilities are not operated from January 1 through March 31, so the approximately 60-cfs releases through these facilities would not occur at these times. Based on this information, we expect that the minimum project release shown on the flow duration curves would be approximately 165 cfs for the months of April and July through December and approximately 105 cfs for the months of January through March. Because the flow duration curves in the FLA are inconsistent with your description of project operation, you must either: (1) file revised flow duration curves that account for the variation in minimum flows and fish passage flows, or (2) explain why the minimum flow project release of 323 cfs shown on the flow duration curves in the FLA for July through April is correct and revise your description of project operation, if appropriate. Additionally, Appendix E includes monthly flow duration curves at Ellsworth dam in graphical format. Please provide monthly flow duration in tabulated format.*

The flow duration curves included in the FLA were based upon generation records for the period 2001 through 2012 (manually recorded generation logs for the period 2001 to 2007 were transcribed onto a spreadsheet, coupled with hourly generation data from ISO New England remote monitoring for 2008 to 2012) and a station conversion factor of 3.62 kW/cfs was used to convert the generation records to an approximate flow. A regression formula was then developed from the data to develop a best fit curve to graph the data as presented in the FLA flow duration curves.

Licensee has updated and revised the flow duration curves for the Project. The revised flow duration curves are presented in Attachment 4 and are to be substituted for the curves contained in Exhibit B of the FLA. The curves include an annual inflow duration curve for the project; this curve was developed by prorating the data from the Narraguagus River USGS gage by the ratio of the drainage areas to Ellsworth. The revised outflow curves (annual and monthly) for the Ellsworth Project are for the period of record 2008 through 2015; the period of record used is based upon available electronic generation records only and not upon the transcription of the manual logs. The data also accounts for the passage of flows that are not used for generation, i.e. the downstream fish passage weir flows at the Ellsworth development. Rather than utilizing a regression formula to provide a "best fit" for the curves, the resulting flow data has been plotted directly. The results demonstrate the provision of both the 105 cfs and 250 cfs seasonal minimum flows and the stepped operation of the development as the four units are operated at the best reasonable combinations to utilize available inflow and maintain a

near-full headpond. Licensee notes that the units are not necessarily operated at the regulatory minimum flow level for extended periods if the flows from storage can be managed to provide more efficient generation at somewhat higher releases. The tabular data for the revised flow duration analysis is included as Attachment 5.

Project Economics

4. *Exhibit E, page E-4-125 of the FLA includes estimated values of the annual operation and maintenance costs of operating upstream and downstream fish passage facilities for eels and anadromous fish; however, details showing how these values were calculated are not provided, including lost generation from flows used to operate the fish passage facilities. To verify the cost estimated in the FLA, please provide a description of data sources, assumptions, and computations used to calculate lost generation associated with the flows needed to operate the upstream and downstream fish passage facilities.*

The costs presented on page E-4-125 of the FLA are approximations of the future costs required to operate and maintain the fish passage facilities at the Project. For example, the estimated annual cost of \$90,000 to operate and maintain an upstream fish passage facility in the future is based upon approximate 2015 costs to operate and maintain the existing facility. These cost estimates are representative only and cannot be further refined until Licensee and the relevant agencies determine the type and size of modified fish passage facilities that might be required at the Project, if any.

The costs presented on page E-4-125 of the FLA do not include the potential costs of lost generation. In the case of the current upstream passage facilities, all of the attraction flow for the facility is pumped from the river downstream of the powerhouse and consequently there is no lost generation at the plant. For downstream passage measures there is currently a loss of generation of approximately 1,144 MWh annually (assuming an total average flow of approximately 54 cfs through the weirs for the period April 1 through December 31 annually) associated with the downstream passage flows at the Ellsworth plant. However future operations (operating flows) of the downstream measures are unknown until the downstream smolt passage study (currently being conducted) is completed and the results are analyzed and applied to future operations. Similarly, the amount of flow needed to operate any future modified or new upstream passage measure, and any associated lost generation, cannot be assessed until the Licensee and the relevant agencies determine the type and size of fish passage facilities that might be required at the Project, if any.

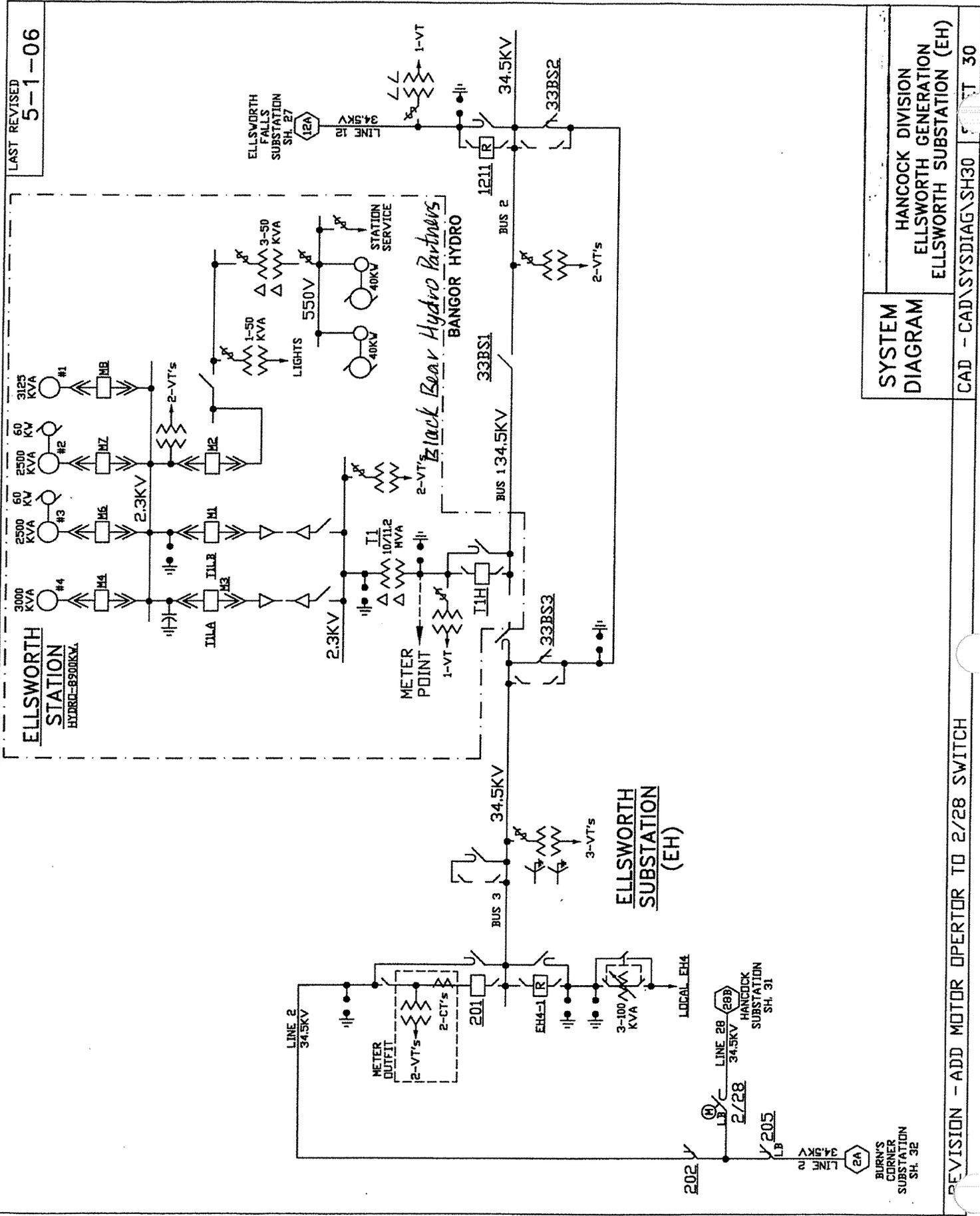
5. *The Instream Flow and Tributary Access Study that is in Appendix E of the license application evaluated four different flows in the reach downstream of the Graham Lake Development; however, you did not provide estimates of the cost of releasing these flows or the information needed to derive costs for these or other operational scenarios. Therefore please provide:*
 - (a) *Estimates of the lost annual generation that would be associated with the flows evaluated in the Instream Flow and Tributary Access Study (i.e., 150, 300, 1,350 and 2,100 cfs in the reach downstream of the Graham Lake Development); and*

- (b) Daily or weekly impoundment levels and flow records (inflow and outflow) for both the Graham Lake and Ellsworth Developments, daily or weekly generation records and turbine-generator unit efficiencies for the Ellsworth Development, and a storage-elevation curve for each development. The data provided should cover a sufficient period of time to include a range of conditions, including wet, median, and dry years.*
- (a) Because the Graham Lake Development is a storage development only, there are no generating facilities at the development. Subsequently the impact of an increased minimum flow out of Graham Lake would be to increase the rate and extent of drawdown of the reservoir, particularly during low inflow periods. At the Ellsworth development the minimum flow is passed primarily through the turbine units, with approximately 50 to 54 cfs of the flow being passed through the downstream fish passage weirs seasonally. Since each of the four flows evaluated in the Instream Flow and Tributary Study are within the hydraulic capacity of the turbine generator units at Ellsworth there would be no direct loss of generation for passing these flows.
- (b) The attachments to this response contain the requested data as follows;
- a. Attachment 6 contains the daily impoundment level records for Graham Lake for the period 2008 through 2015. There are no long term electronic records of the lake levels for Lake Leonard; records have historically been maintained on manual log sheets which have not been transcribed to a spreadsheet. Licensee installed a pond level sensor and started recording pond levels electronically in late 2013. Included in Attachment 6 are the electronic records for Lake Leonard for the period 2014-2015.
 - b. Attachment 7 contains the daily generation records for the Ellsworth Development for the period 2008 through 2015.
 - c. The four turbine-generator units at the Ellsworth development have not been index tested recently so no current efficiency data is available. Licensee uses a conversion factor of 3.62 kW/cfs for the station as a whole.
 - d. Attachment 8 contains a storage-elevation curve for the Graham Lake reservoir. There is not a storage-elevation curve for the Ellsworth Development since Lake Leonard is operated as a run-of-river development with pond levels generally maintained within one foot of full, i.e. there is no substantial utilization of the pond volume for storage operations.
6. *Exhibit D, Page D-2 of the FLA states that the remaining undepreciated net investment of the project is \$51,984,900, which includes the itemized undepreciated cost of the land and water rights, project equipment, and development of the license application. However, this value is significantly higher than normal for a project undergoing relicensing. In fact, in certain cases, the cost for these items are fully depreciated during the original licensing term. To verify the value of the project's remaining undepreciated net-investment, please provide the dates of the original investments for item listed and a description of data sources, assumptions, and computation for how these values were depreciated.*

The response to this additional information request contains proprietary or confidential business information and is being filed with the Commission only concurrently under separate cover as Privileged.

ATTACHMENT 1
ELECTRICAL SINGLE-LINE DIAGRAM

LAST REVISED
5-1-06



SYSTEM DIAGRAM

HANCOCK DIVISION
ELLSWORTH GENERATION
ELLSWORTH SUBSTATION (EH)

REVISION - ADD MOTOR OPERATOR TO 2/28 SWITCH

CAD - CAD\SYSDIAG\SH30

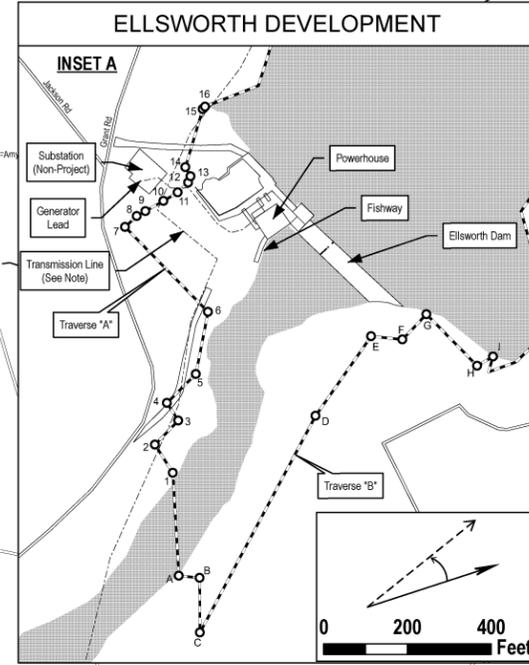
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ATTACHMENT 2
REVISED EXHIBIT G Sheet 1

Reference Point #1
Northing: 320496
Easting: 993822

Reference Point #2
Northing: 333311
Easting: 997964

Reference Point #3
Northing: 325298
Easting: 1002791



Traverse "A"			
FROM STA.	TO STA.	DIST.	BEARING
1	2	79.5	N 82° 10' W
2	3	80	N 05° 25' W
3	4	50	N 82° 10' W
4	5	99	N 05° 25' W
5	6	148.5	N 38° 05' W
6	7	282.9	S 86° 04' W
7	8	38	N 25° 01' 50" W
8	9	23.7	N 11° 09' 40" W
9	10	49.4	N 11° 30' 10" W
10	11	39.8	N 12° 49' 40" W
11	12	34.4	N 25° 10' 50" W
12	13	15.9	N 51° 48' 00" W
13	14	24.8	S 77° 53' 50" E
14	15	144.3	N 55° 24' 50" W
15	16	8.3	N 26° 23' 50" W
16	1		By Shore

Traverse "B"			
FROM STA.	TO STA.	DIST.	BEARING
A	B	50	N 44° 22' E
B	C	130	S 51° 40' E
C	D	585	N 23° 14' W
D	E	231	N 16° 23' W
E	F	75	N 44° 22' E
F	G	83	N 07° 48' W
G	H	172.3	N 84° 00' E
H	I	To Shore	S 06° 50' W
I			By Shore

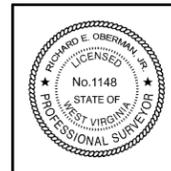
NOTES:
EASEMENTS FOR, AND ACCESS RIGHTS-OF-WAY TO NON-PROJECT FACILITIES ARE EXCLUDED FROM THE PROJECT. ALL TRANSMISSION AND DISTRIBUTION LINES SHOWN WITHIN PROJECT BOUNDARY ARE EXCLUDED FROM THE PROJECT

Commission Approved Recreation Amenity Table			
#	Name	Northing	Easting
A	Carry-in Boat Launch	16186521	1785054
B	Boat Launch	16200057	1785508
C	Downstream Fishing Access	16199533	1786210

Reference Point Table NAD83 State Plane Maine West Zone U.S. Feet			
Sheet #	Reference Point #	Northing	Easting
1	1	320496.0	993822.0
1	2	333311.0	997964.0
1	3	325298.0	1002791.0
2	4	348299.0	1000410.0
2	5	335732.0	1014127.0
2	6	356720.0	1017132.0
3	7	362421.0	1011112.0
3	8	368861.0	1021908.0
3	9	393752.0	1027245.0

Legend

- Recreation Amenity
- ⊕ Reference Point (NAD83 State Plane, Maine East Zone, U.S. Survey Feet)
- Traverse Point
- Project Boundary
- Road
- ~ Stream



I HEREBY CERTIFY TO THE FEDERAL ENERGY REGULATORY COMMISSION (FERC) THAT THIS PLAN MEETS THE CONDITIONS SET FORTH BY FERC FOR ITS EXPRESSED PURPOSE. THE PURPOSE OF THIS MAP IS TO PROVIDE A GEOREFERENCED VISUAL DEPICTION OF THE LOCATION OF PROJECT FEATURES AND BOUNDARIES BASED ON THE BEST AVAILABLE HISTORICAL DRAWINGS INCORPORATED INTO THE GEOGRAPHIC INFORMATION SYSTEM (GIS). SOME LOCATIONS HAVE NOT BEEN VERIFIED BY PHYSICAL SURVEYS AND THIS DRAWING SHOULD NOT BE USED FOR PURPOSES OF DEVELOPING PROPERTY BOUNDARY DESCRIPTIONS.

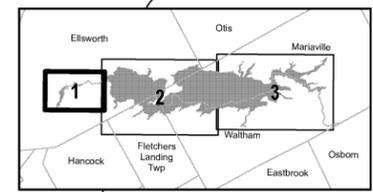


EXHIBIT G SHEET 1 OF 3
ELLSWORTH HYDROELECTRIC PROJECT
 FERC NO. 2727
PROJECT DETAIL MAP
 BLACK BEAR HYDRO PARTNERS, LLC
 0 500 1,000 Feet
 1 inch = 500 feet

ATTACHMENT 3
REVISED EXHIBIT A

EXHIBIT A
PROJECT DESCRIPTION
(Revised May 2016)

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**ELLSWORTH HYDROELECTRIC PROJECT
(FERC NO. 2727)**

**APPLICATION FOR NEW LICENSE
FOR MAJOR PROJECT – EXISTING DAM**

EXHIBIT A

PROJECT DESCRIPTION

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**ELLSWORTH HYDROELECTRIC PROJECT
(FERC NO. 2727)**

**APPLICATION FOR NEW LICENSE
FOR MAJOR PROJECT – EXISTING DAM**

**EXHIBIT A
PROJECT DESCRIPTION**

1.0 INTRODUCTION

The Ellsworth Hydroelectric Project (Project) is owned and operated by Black Bear Hydro Partners, LLC (Black Bear) and is located on the lower reach of the Union River in the City of Ellsworth, the Towns of Waltham and Mariaville, and the Township of Fletchers Landing, an unincorporated township, in Hancock County, Maine. The Project consists of two developments, the Ellsworth Development and the Graham Lake Development.

The Ellsworth Development consists of the Ellsworth Dam, which forms the 90-acre Lake Leonard, and the associated generating facilities. The Ellsworth Dam forms the upper limit of tidal influence of the Union River. The Graham Lake Development consists of a dam with a large storage reservoir (Graham Lake). There are no generating facilities at the Graham Lake Development.

The Project is operated for water storage and power generation. Operationally, the Project is typically run as a peaking facility, with water being released from the Graham Lake reservoir and then used to generate electricity at the downstream Ellsworth powerhouse. Black Bear is not proposing any changes to operations.

2.0 PROJECT DESCRIPTION

The Ellsworth Project is located in Downeast Maine on the Union River, approximately 3 miles upstream of the Union River Bay, which flows into the Atlantic Ocean. The Project includes Graham Lake, Graham Lake Dam, a 3-mile stretch of the Union River, Lake Leonard, and Ellsworth Dam and powerhouse.

2.1 Project Facilities

Ellsworth Development

Construction of the Ellsworth Dam was completed in 1907. The Ellsworth Dam is an Ambursen-style dam that was filled in part with concrete in the early 1990s. The non-overflow

section includes a gatehouse; turbine-generator Unit No. 1 is served by a 10-foot diameter vertical penstock contained in the gatehouse. The non-overflow section is connected to an intake structure containing three additional penstocks: two 8-foot diameter penstocks serving turbine-generator Units No. 2 and 3, and one 12-foot diameter penstock serving turbine-generator Unit No. 4. The four units contained in the Ellsworth powerhouse have a total FERC-authorized nameplate capacity of 8.9 megawatts (MW) and an average annual generation of 30,511 megawatt hours (MWh).

Graham Lake Development

The Graham Lake Dam was completed in 1924. Graham Lake Dam is a non-generating facility located about four miles upstream from the Ellsworth Dam. Graham Lake Dam consists of an earthen dike and concrete gate structure. There is a flood control structure immediately downstream of Graham Lake Dam. No powerhouse is associated with the Graham Lake Dam and reservoir. A summary of Project structures and features associated with the Ellsworth Project is provided in Table A-1.

Table A-1: Ellsworth Project Specifications

GENERAL INFORMATION
Owner and Operator: Black Bear Hydro Partners, LLC
FERC Project Number: 2727
Current License Term: January 1, 1998 to December 31, 2017
County: Hancock County
Nearest Town: Ellsworth, Maine
Watershed: Union River
River: Union River
Drainage Area: 547 square miles at the Ellsworth Dam

Ellsworth Development	Graham Lake Development
Normal Maximum Water Surface Elevation	
Lake Leonard	Graham Lake
66.7' ¹ (includes 1.7 foot flashboards)	104.2'
Normal Tailwater Elevation	
Varies with tidal fluctuations	80.5'
Reservoir Length	
1 mile	10 miles
Shoreline Length	
4.4 miles	80 miles (not including islands)

¹ All elevations are relative to National Geodetic Vertical Datum 1929.

Surface Area at Maximum Water Surface	
Lake Leonard	Graham Lake
90 acres	Approximately 10,000 acres
Gross storage Lake Leonard 0.107 billion cubic feet	Gross storage Graham Lake 5.8 billion cubic feet
Structures	
Ellsworth Dam	Graham Lake Dam
Concrete buttress dam	Earth fill dam with concrete core walls
Total Length 377 feet	Total Length 630 feet
Dam height 60 feet	Dam height 58 feet
Unit 1 Powerhouse: approximately 26 feet by 28 feet integral to the concrete non-overflow section of the dam.	N/A550
Unit 2 – 4 Powerhouse: reinforced concrete and concrete block masonry structure 52.5 feet x 68 feet with an attached 15 feet x 30 feet switch house annex	
Turbine Rated Capacity:* Unit 1 – 3,800 hp (2,850kW) (vertical shaft propeller) Unit 2 – 2,900 hp (2,175 kW) (Kaplan) Unit 3 – 2,900 hp (2,175 kW) (Kaplan) Unit 4 – 3,800 hp (2,850 kW) (vertical shaft propeller)	N/A
Generator Rated Capacity:** Unit 1 – 3,125 kVA @ power factor 0.8; 2,500 kW Unit 2 – 2,500 kVA @ power factor 0.8; 2,000 kW Unit 3 – 2,500 kVA @ power factor 0.8; 2,000 kW Unit 4 – 3,000 kVA @ power factor 0.8; 2,400 kW	N/A
Interconnection with distribution line	2.3 kV
Upstream fish passage structure	Approximately 120 feet long and 8 feet wide with a 3-foot-wide opening that passes up to 50 cfs

*The total combined maximum hydraulic capacity of the turbines is estimated to be 2,460 cfs.

**The total FERC authorized nameplate capacity of the facility, based on the limiting unit components, is 8.9 MW.

Table A-2: Additional Ellsworth Project Specifications

Additional Facility Data (Note: Dimensions are estimated using best available information through scaling from Exhibit F drawings.)	
<i>Respective Dimensions of Project Structures</i>	
Ellsworth Dam	
Right Retaining Wall (Abutment)	26 feet high
<i>Intake</i>	
Unit 1 Penstock	74 feet long; 10-foot diameter
Unit 1 Headgate	10 feet high; 15 feet wide
Unit 1 Trashrack	12.5 feet high; 15 feet wide
Unit 1 Minimum Capacity	Unknown
Units 2 – 4 Intake Structure	32 feet high; 88 feet – 4 ¾ inches long
Units 2 – 4 Trashracks	1 inch clear spacing for first 14 feet of depth, then 2.37 inch clear spacing
Unit 2 Penstock	164 feet long; 8-foot diameter
Unit 2 Headgate	15 feet high; 8 feet wide
Unit 2 Trashrack	14 feet high and 8 feet wide
Unit 2 Minimum Capacity	87 cfs
Unit 3 Penstock	195 feet long; 8-foot diameter
Unit 3 Headgate	15 feet high; 8 feet wide
Unit 3 Trashrack	14 feet high and 8 feet wide
Unit 3 Minimum Capacity	87 cfs
Unit 4 Penstock	225 feet long; 12-foot diameter
Unit 4 Headgate	15 feet high; 12 feet wide
Unit 4 Trashrack	14 feet high and 12 feet wide
Unit 4 Minimum Capacity	Unknown
Non-Overflow Wall (Between Units 2 through 4 Intake Section and Bulkhead Section)	71 feet high; 85 feet long
Bulkhead Section	60 feet high; 102 feet long
Spillway Section	57 feet high; 275 feet long
Concrete east abutment	66 feet long

<i>Graham Lake Dam</i>	
Earthen Embankment with Concrete and Sheet Pile Core Wall	45 feet high; 550 feet long
Gated Spillway	58 feet high; 80 feet long
Concrete Gravity Flood Control Structure	58 feet high; 720 feet long
Stone-filled Sheet Pile Cell	55 feet high; 65 feet diameter
Southwest Wingwall (Between Cell and Gate Structure)	36 feet – 6 inches high; 71 feet long
Trashracks	None
Tainter Gates	22 feet – 6 inches high; 20 feet wide
Sluice Way	11.3 feet high; 8 feet wide
Downstream Passage	4-foot wide surface weir within an 8-foot wide sluice; 7.5 feet deep and contains stop logs that can be adjusted to accommodate lake level; approximately 50 cfs capacity

2.1.1 Dams

Ellsworth Development

The Ellsworth Dam is a concrete structure with a maximum height of 60-feet (the majority of it being 57 feet high) and 377 feet long including a 275-foot spillway. The overflow spillway and non-overflow section are comprised of a reinforced concrete buttress dam with 22 bays. These were partially filled in 1993 to create a concrete gravity dam. The overflow spillway has a flashboard crest elevation of 66.7'. The flashboards are in place year-round, are 1.7 feet high, and are designed to fail when overtopped with approximately two feet of water. A fish passage facility consisting of a vertical slot fishway and trap is operated at the Ellsworth Dam providing for upstream fish passage and the commercial harvest of river herring by the City of Ellsworth under a cooperative management agreement with the Maine Department of Marine Resources.



Photo A-1: Ellsworth Dam Spillway and Powerhouse

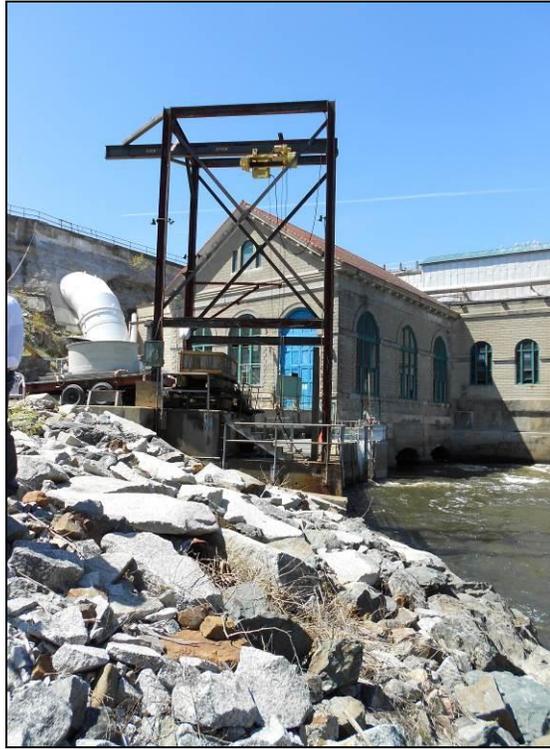


Photo A-2: Ellsworth Dam Powerhouse and Fish Lift



Photo A-3: Ellsworth Development - Lake Leonard

Graham Lake Development

The Graham Lake Dam is 58 feet high and consists of 550-foot-long earth dike and an 80-foot-long concrete gate structure plus abutments. The concrete gate structure contains three 20-foot-wide radial gates and an eight-foot wide sluice that is used for downstream fish passage. There is a concrete flood control structure associated with the Graham Lake Dam. The flood control structure consists of a concrete flood wall approximately 720 feet long, a 65-foot diameter steel cell (formerly part of the construction coffer dam) and a 71-foot-long wing wall extension that connects to the gate structure and serves as an emergency overflow spillway.



Photo A-4: Graham Lake Dam Gate Structure



Photo A-5: Graham Lake Dam Flood Control Structure

2.1.2 Impoundments

The Ellsworth Project has a drainage area of approximately 547 square miles at the Ellsworth Dam. The lake impounded by the Ellsworth Dam, Lake Leonard, has a surface area of 90 acres at its normal maximum elevation of 66.7' and a length of one mile. Normal water levels in Lake Leonard vary between 65.7' and 66.7' over the course of the year. The upper reservoir, Graham Lake, has a normal maximum surface area of approximately 10,000 acres and a maximum length of approximately 10 miles. Annual water levels in Graham Lake are managed between elevations 93.4' and 104.2'. Drawdown of Graham Lake in the summer/fall and more extensively at the beginning of the year provides significant downstream flood control benefits. The ability to store a large water volume when the lake is drawn down is a particularly valuable asset given the location of downtown Ellsworth just below the Ellsworth Dam. Drawdown of Graham Lake also can provide important flow augmentation during dry periods so that minimum flows can be maintained in the Union River below Graham Lake Dam.

2.1.3 Transmission

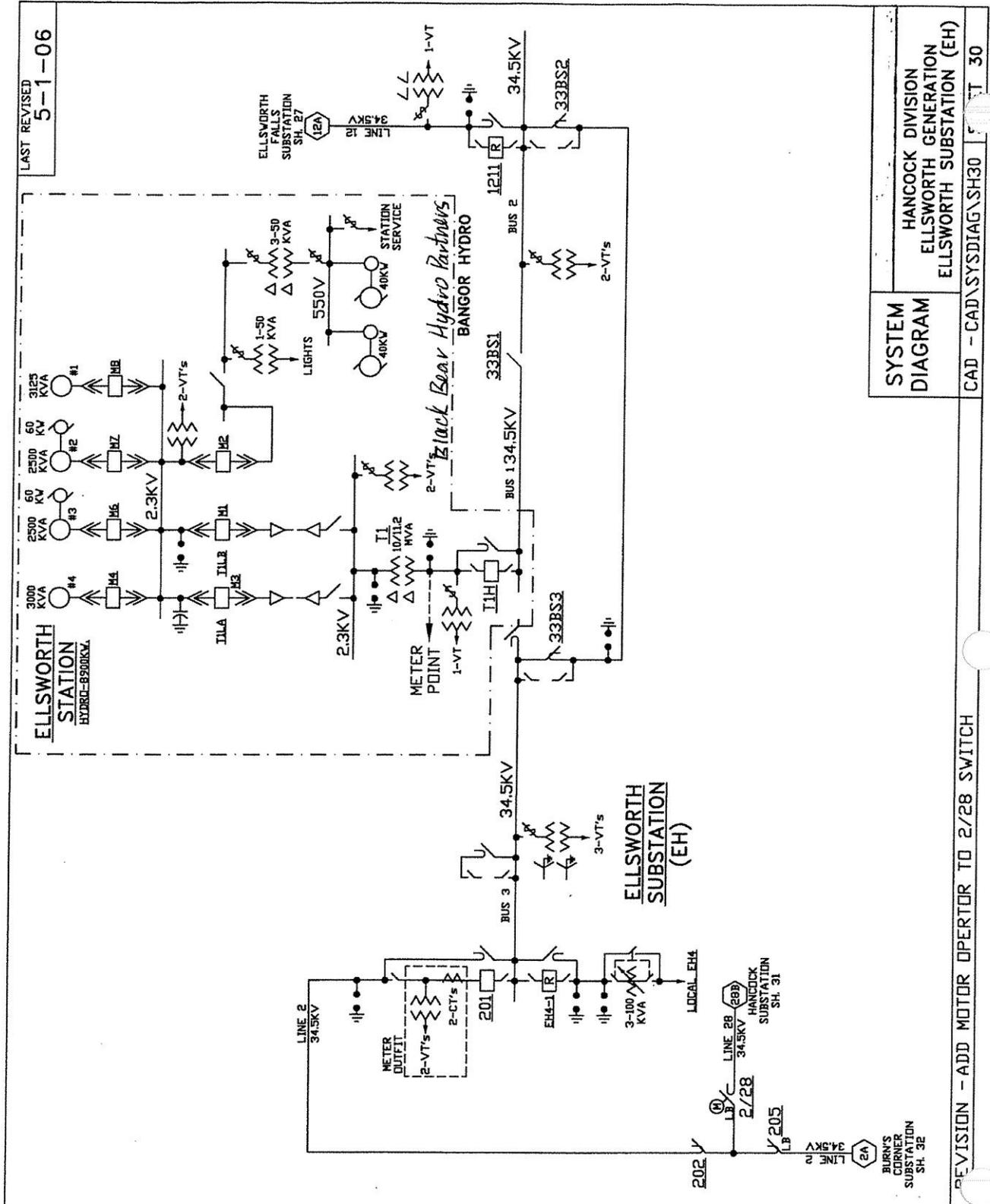
A generator lead of approximately 450 feet conducts the 2.3 kV generator voltage from the powerhouse to the Project step-up transformer located in the adjacent non-Project substation owned by the local utility. A single-line electrical diagram is attached as Figure A-1.

2.1.4 Appurtenant Equipment

The Project also has appurtenant facilities such as cranes, trash racks, and other equipment necessary for day-to-day operations and maintenance.

3.0 LANDS OF THE UNITED STATES

There are no federal lands within the Project boundary.



LAST REVISED
 5-1-06

SYSTEM
 DIAGRAM

HANCOCK DIVISION
 ELLSWORTH GENERATION
 ELLSWORTH SUBSTATION (EH)

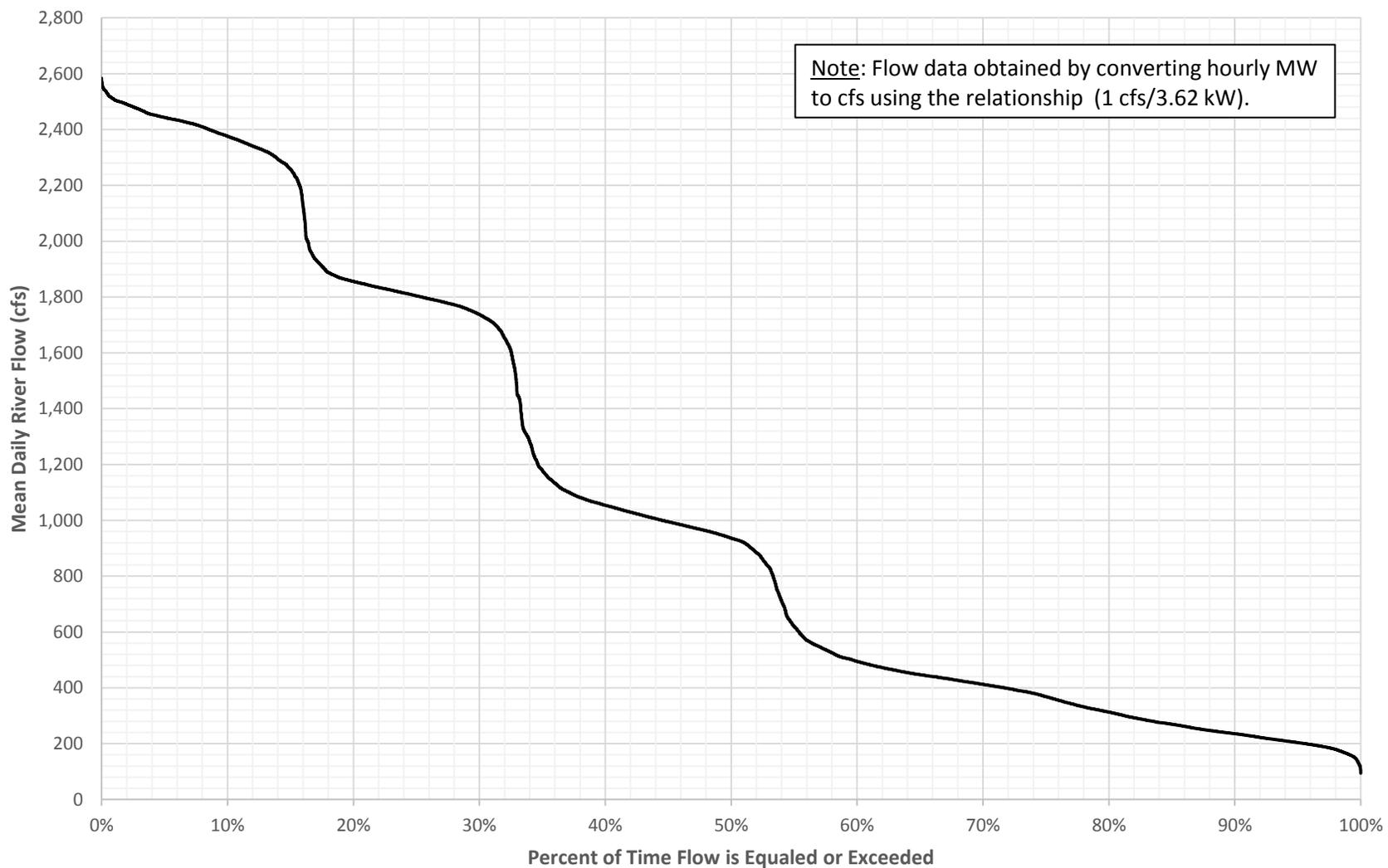
CAD - CAD\SYSDIAG\SH30

REVISION - ADD MOTOR OPERATOR TO 2/28 SWITCH

ATTACHMENT 4
FLOW DURATION CURVES

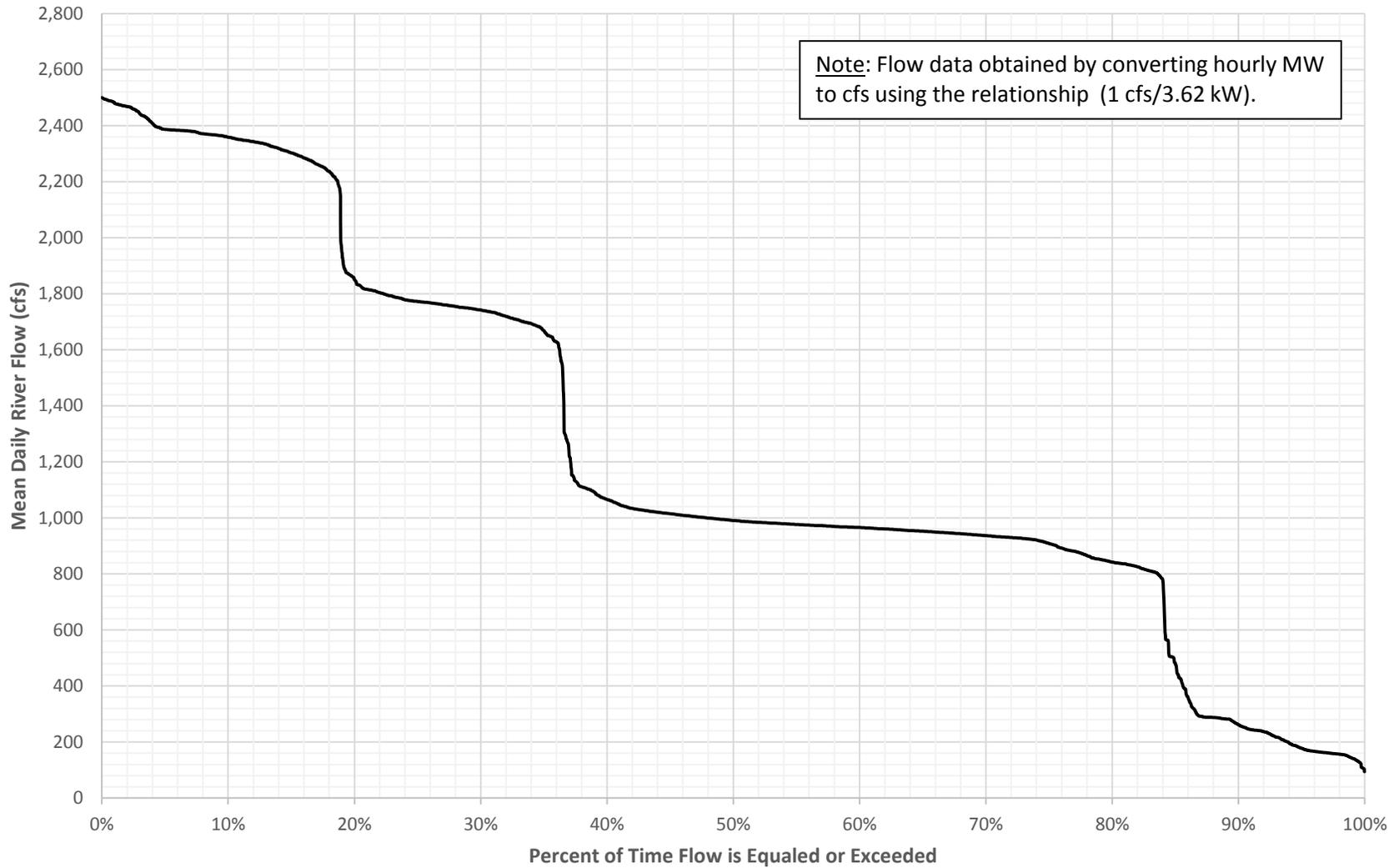
Outflow at Ellsworth Dam Annual Flow Duration Curve

(Data Source: Flow generated from Ellsworth hourly generation data August 2007 - December 2015)



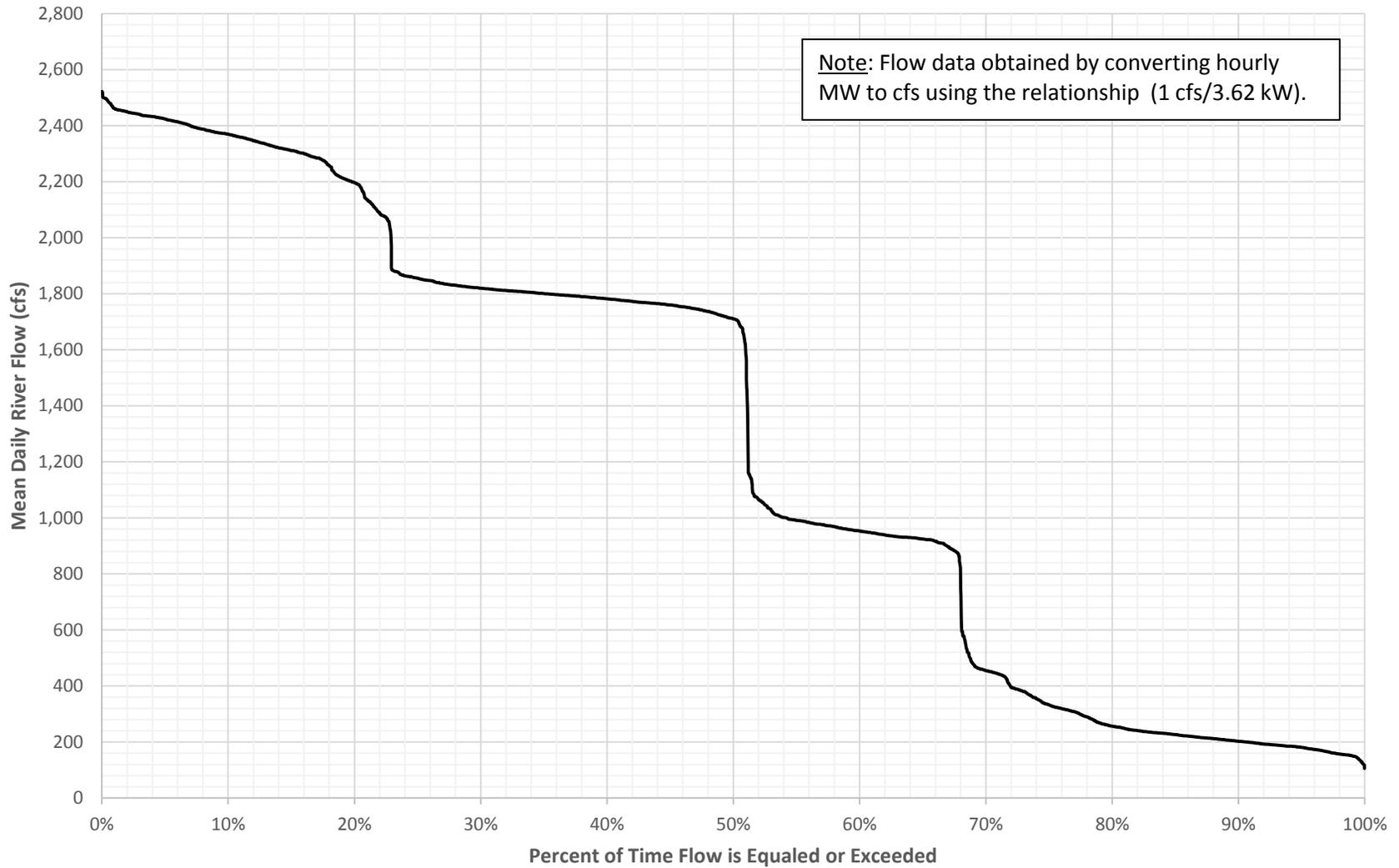
Outflow at Ellsworth Dam January Flow Duration Curve

(Data Source: Flow generated from Ellsworth hourly generation data August 2007 - December 2015)



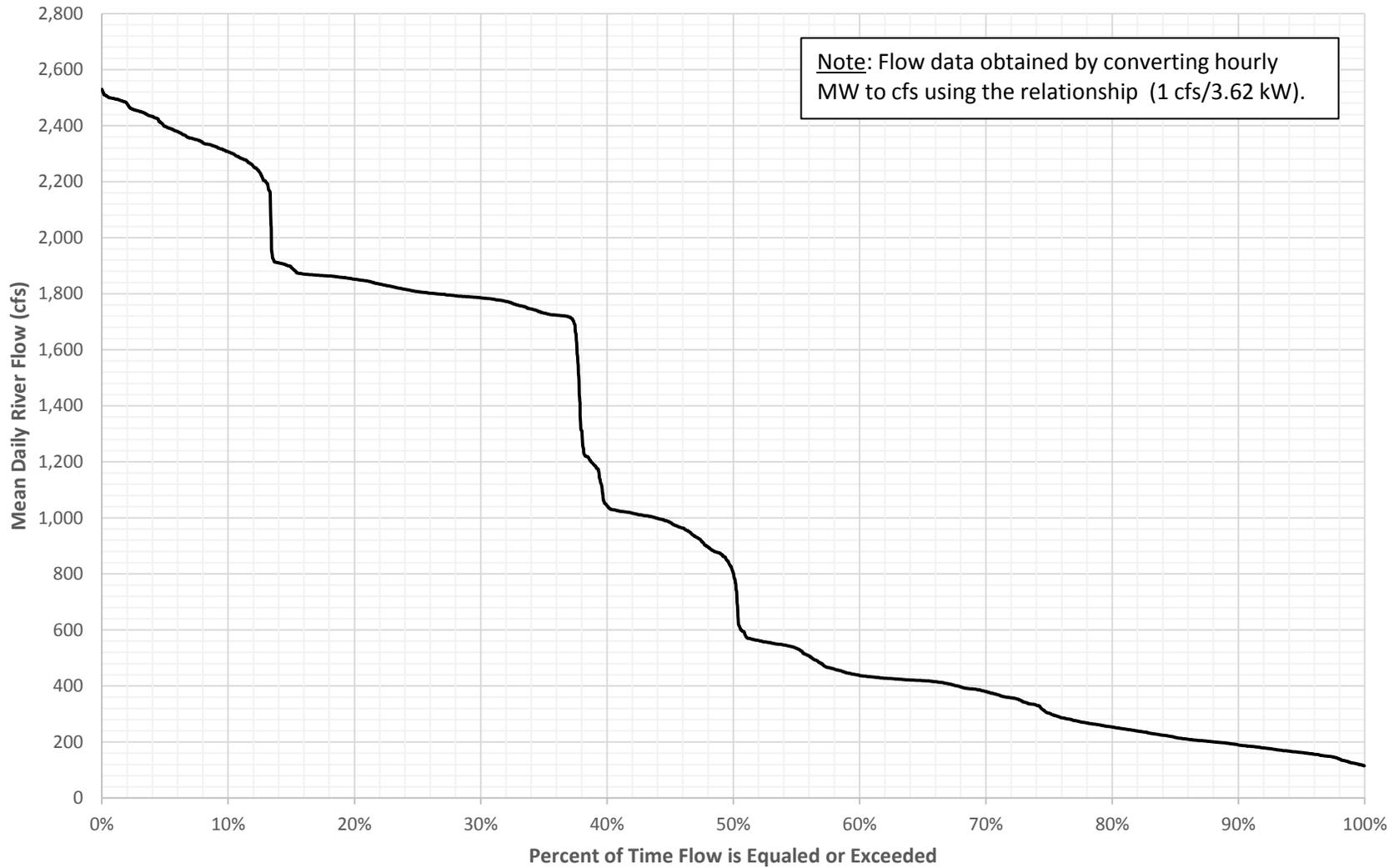
Outflow at Ellsworth Dam February Flow Duration Curve

(Data Source: Flow generated from Ellsworth hourly generation data August 2007 - December 2015)



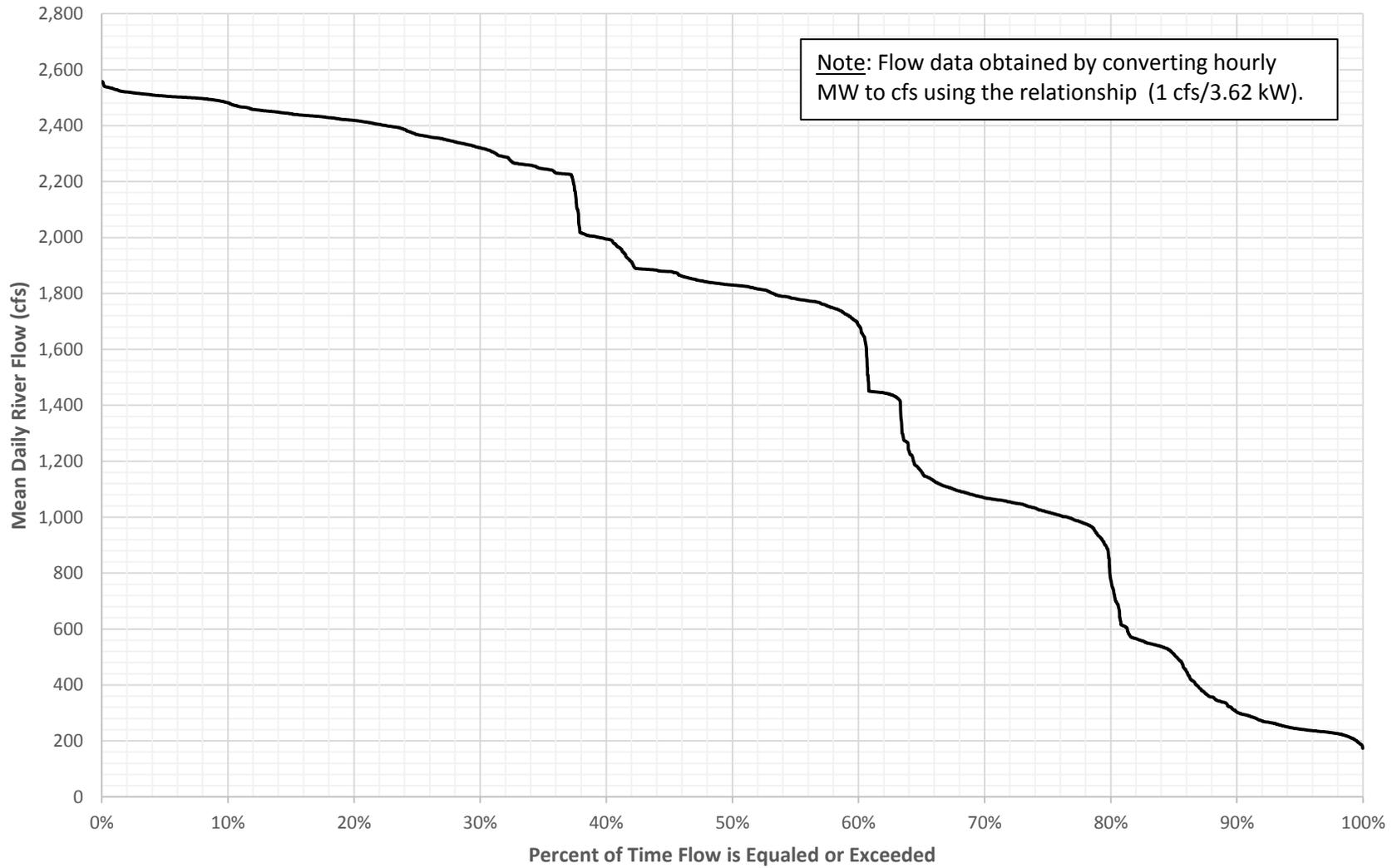
Outflow at Ellsworth Dam March Flow Duration Curve

(Data Source: Flow generated from Ellsworth hourly generation data August 2007 - December 2015)



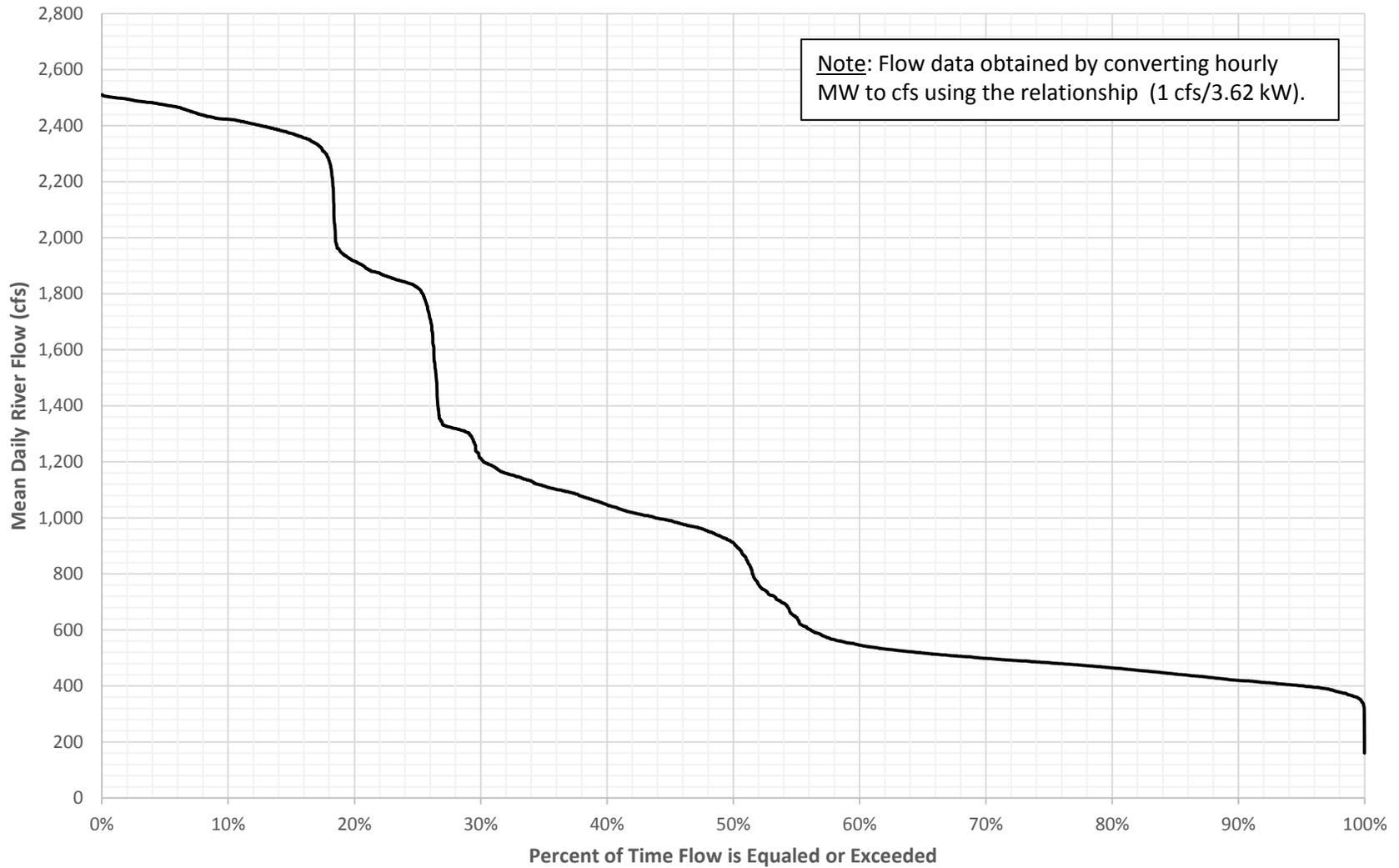
Outflow at Ellsworth Dam April Flow Duration Curve

(Data Source: Flow generated from Ellsworth hourly generation data August 2007 - December 2015)



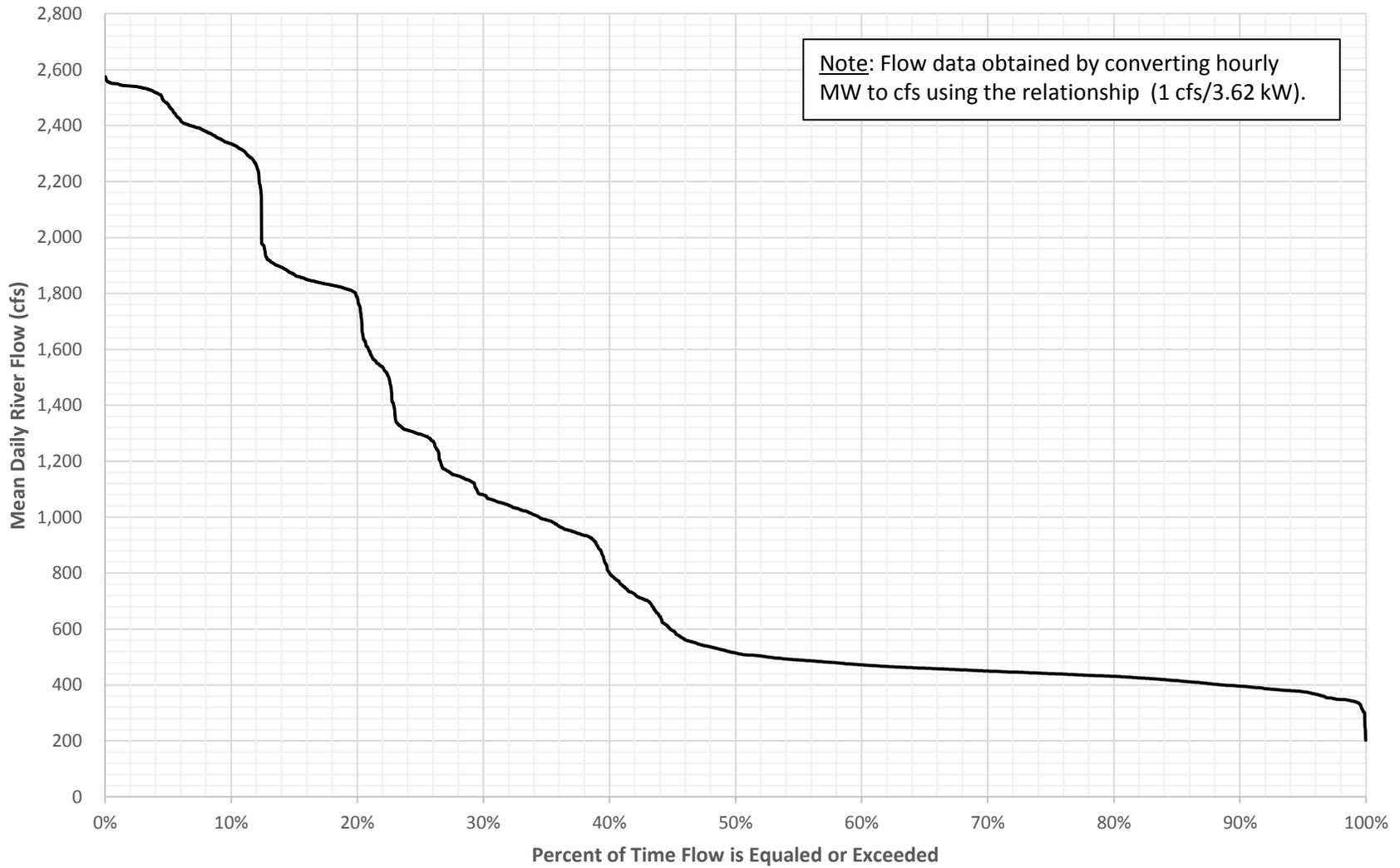
Outflow at Ellsworth Dam May Flow Duration Curve

(Data Source: Flow generated from Ellsworth hourly generation data August 2007 - December 2015)



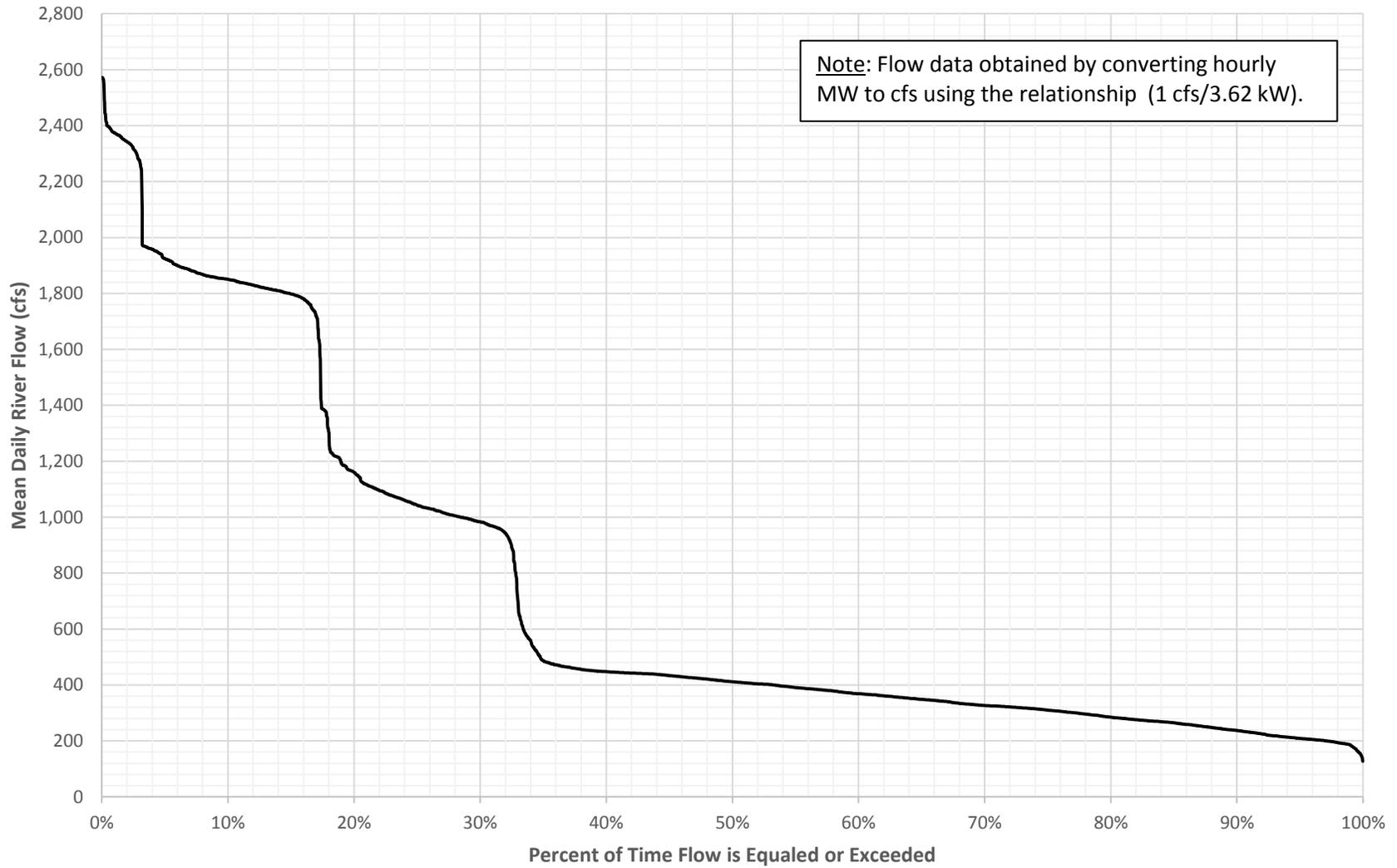
Outflow at Ellsworth Dam June Flow Duration Curve

(Data Source: Flow generated from Ellsworth hourly generation data August 2007 - December 2015)



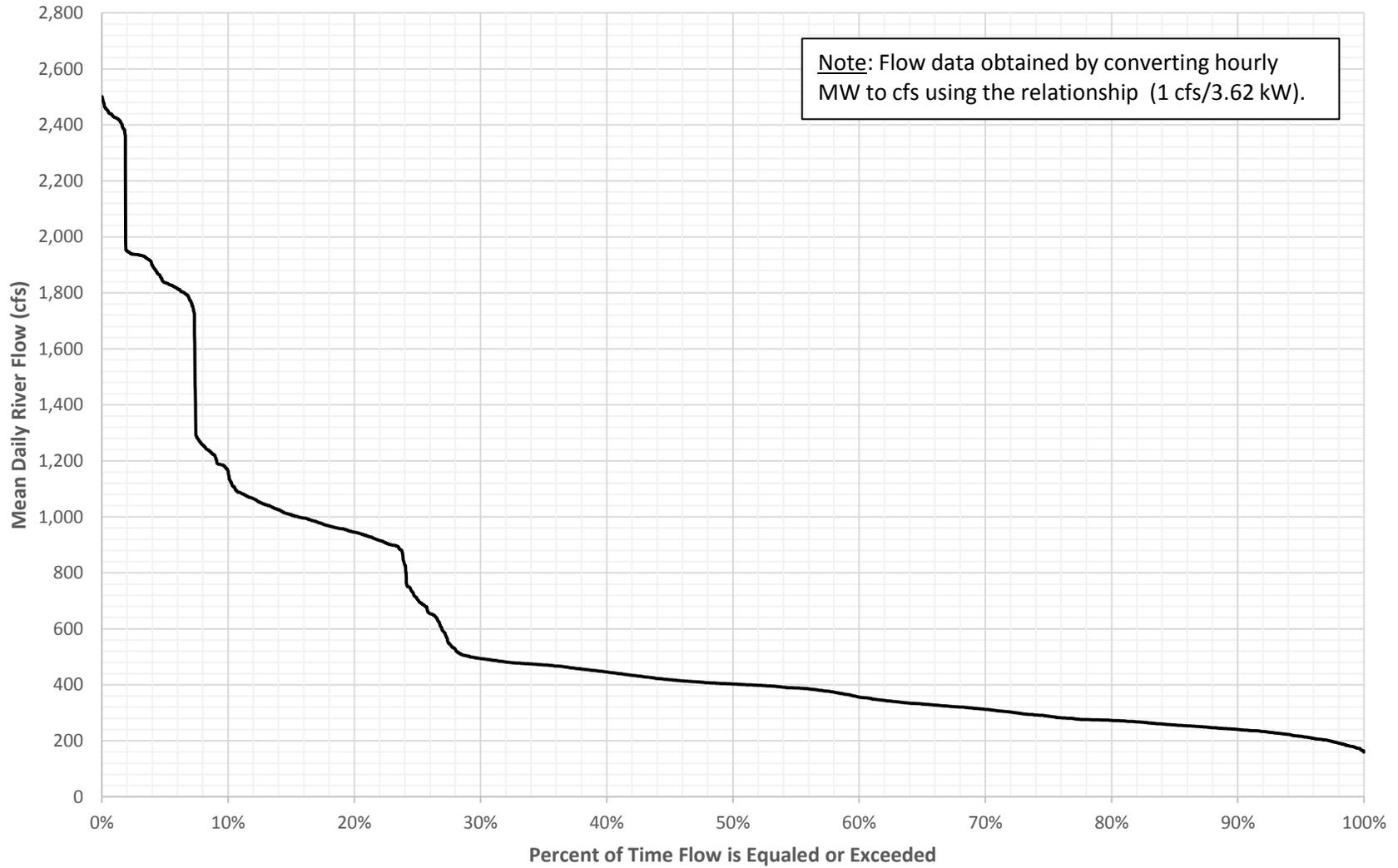
Outflow at Ellsworth Dam July Flow Duration Curve

(Data Source: Flow generated from Ellsworth hourly generation data August 2007 - December 2015)



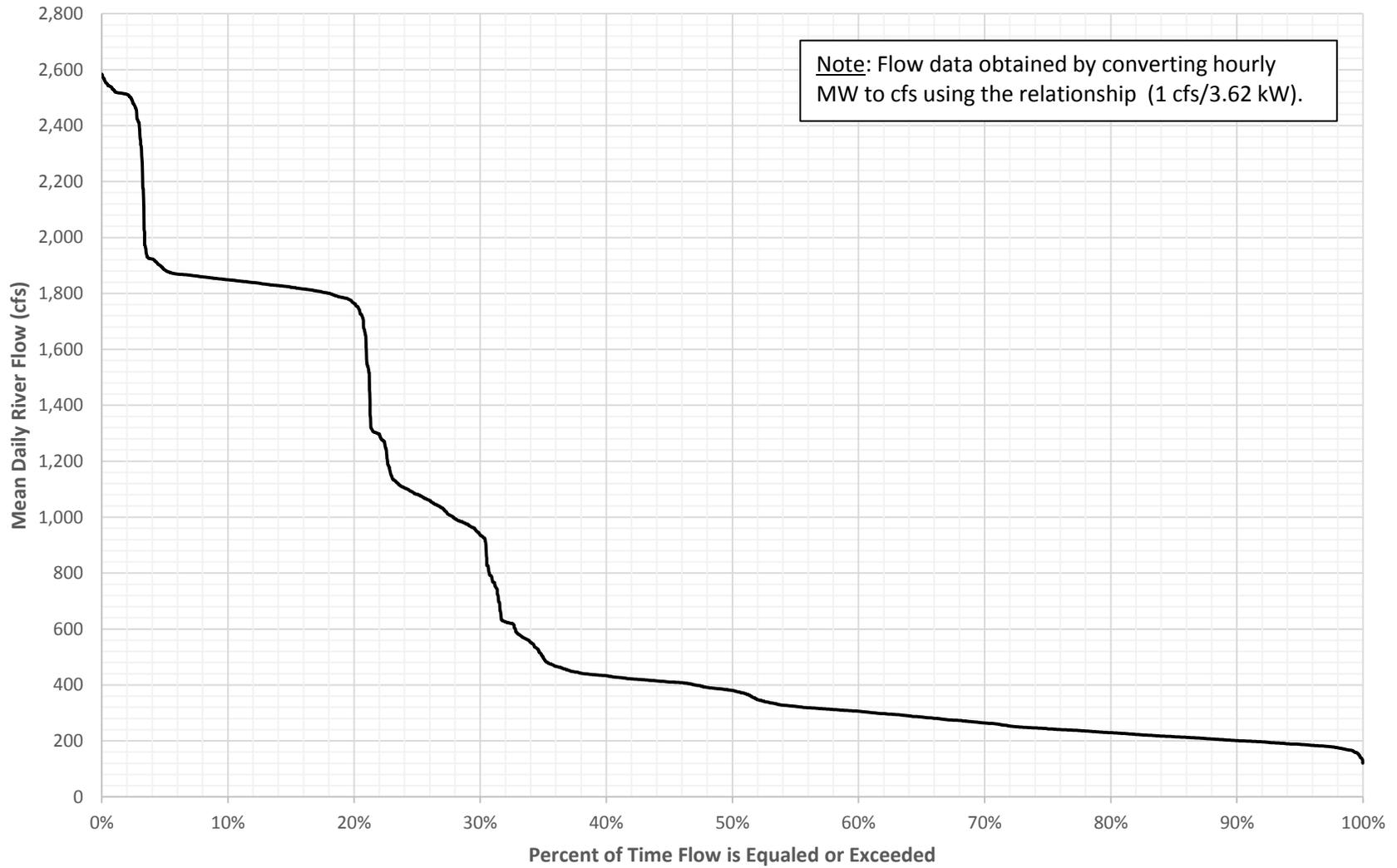
Outflow at Ellsworth Dam August Flow Duration Curve

(Data Source: Flow generated from Ellsworth hourly generation data August 2007 - December 2015)



Outflow at Ellsworth Dam September Flow Duration Curve

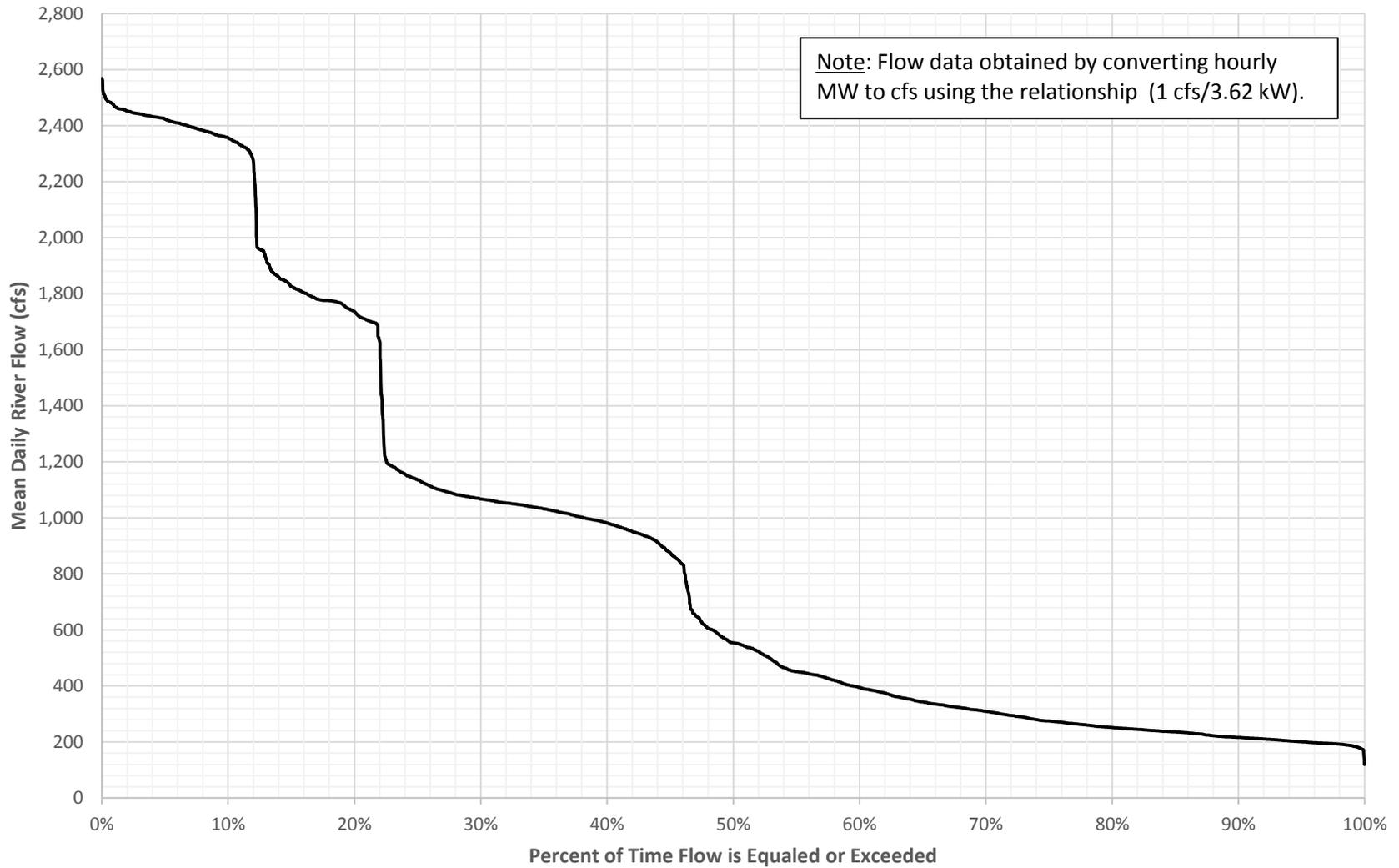
(Data Source: Flow generated from Ellsworth hourly generation data August 2007 - December 2015)



Note: Flow data obtained by converting hourly MW to cfs using the relationship (1 cfs/3.62 kW).

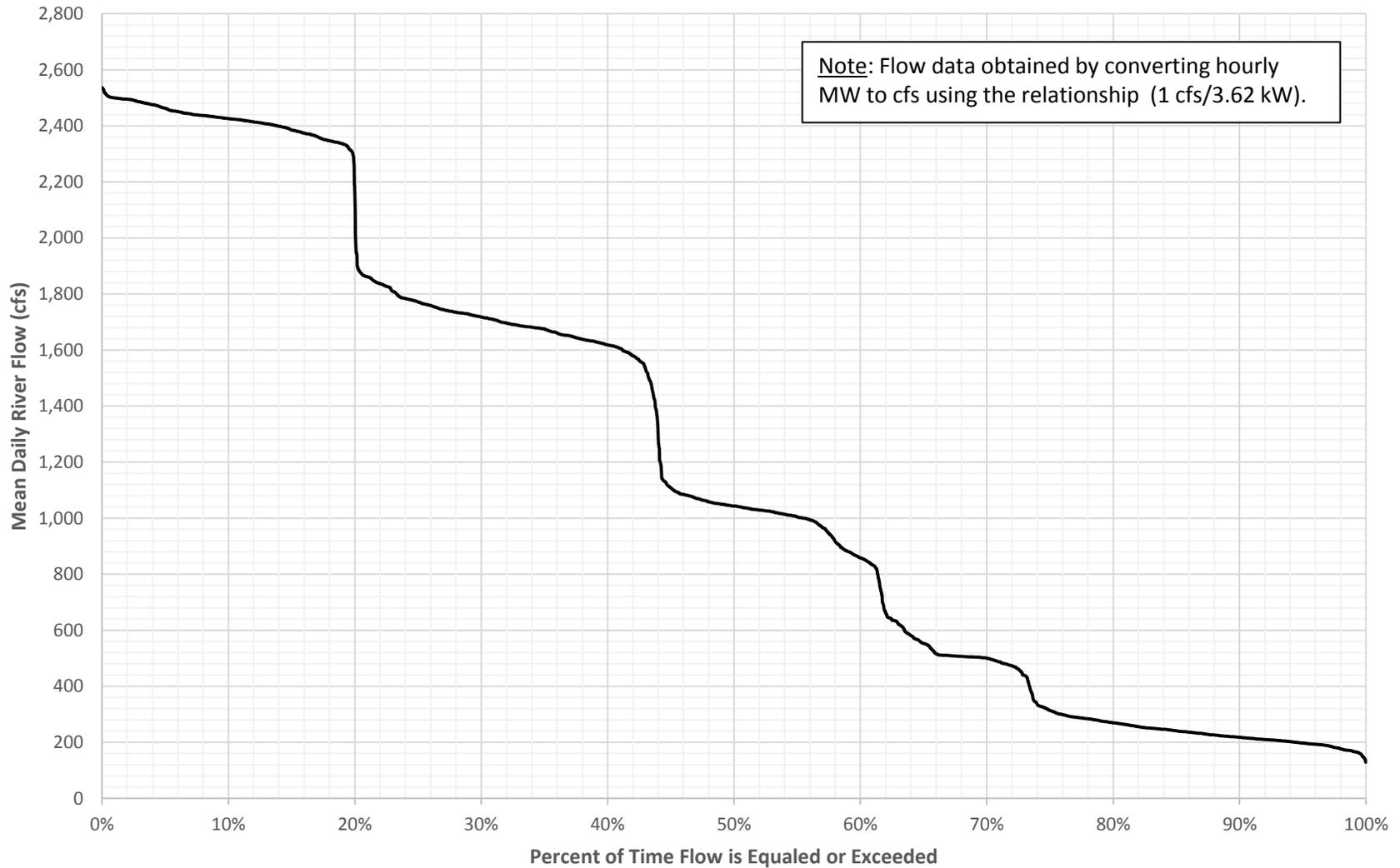
Outflow at Ellsworth Dam October Flow Duration Curve

(Data Source: Flow generated from Ellsworth hourly generation data August 2007 - December 2015)



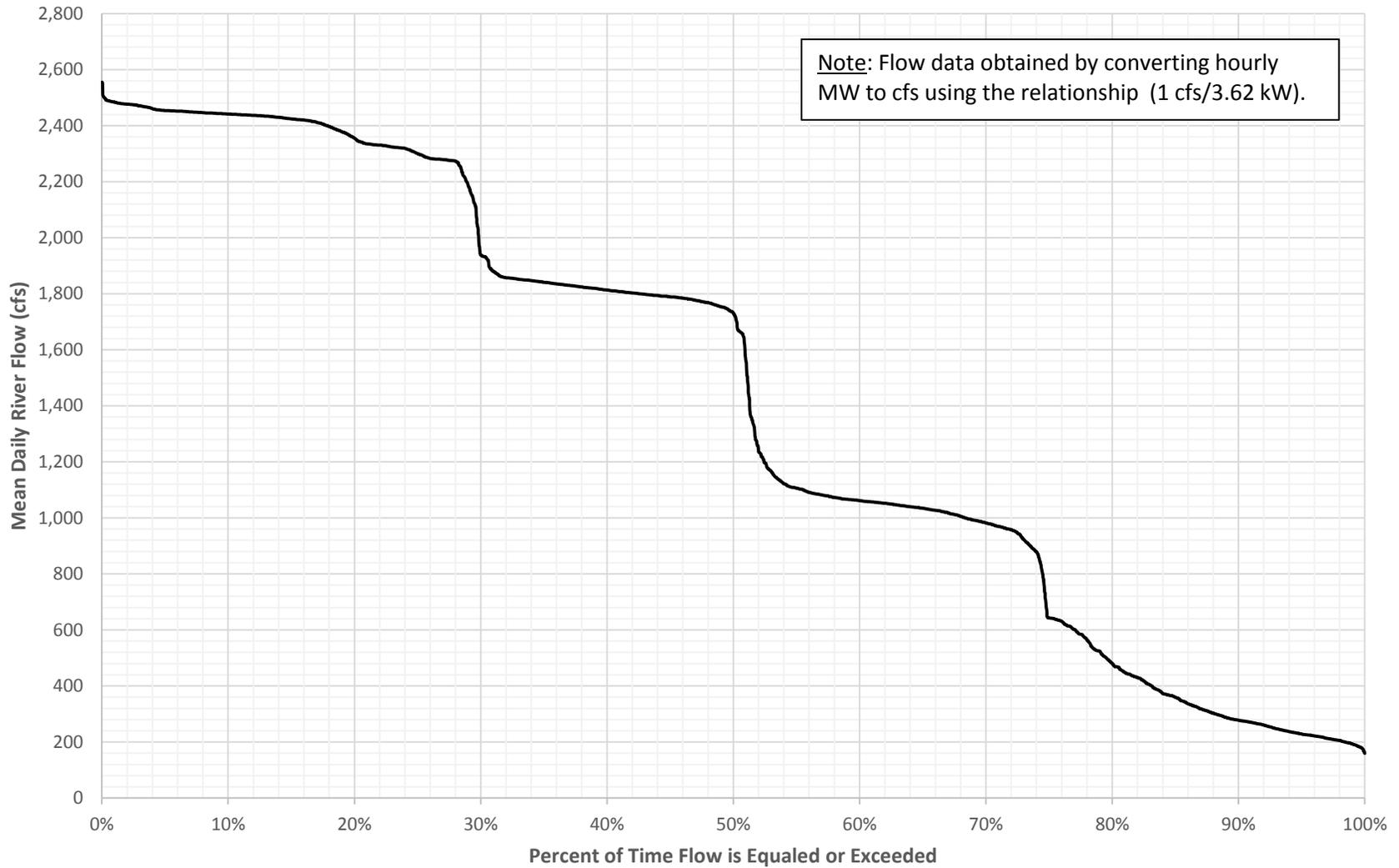
Outflow at Ellsworth Dam November Flow Duration Curve

(Data Source: Flow generated from Ellsworth hourly generation data August 2007 - December 2015)



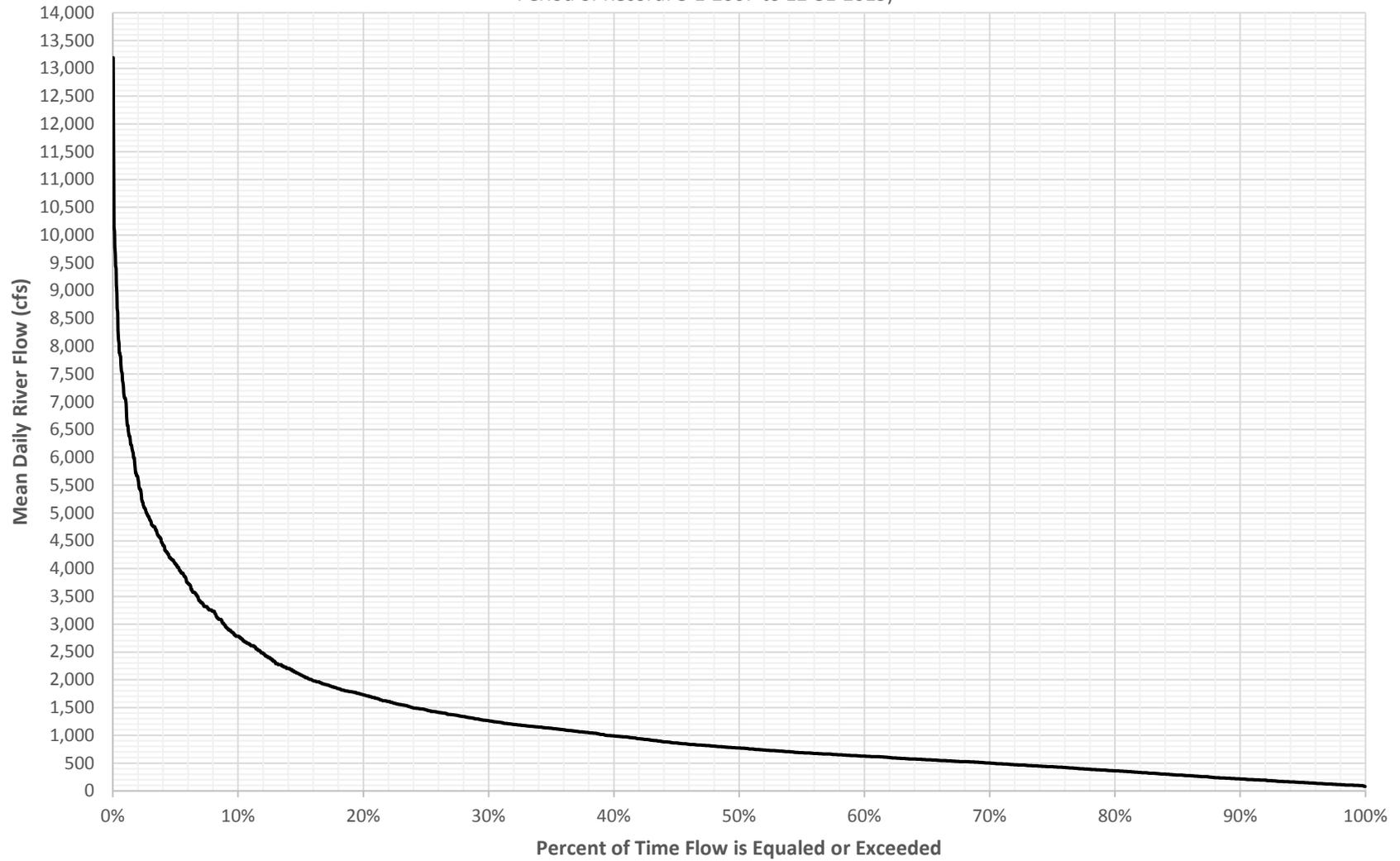
Outflow at Ellsworth Dam December Flow Duration Curve

(Data Source: Flow generated from Ellsworth hourly generation data August 2007 - December 2015)



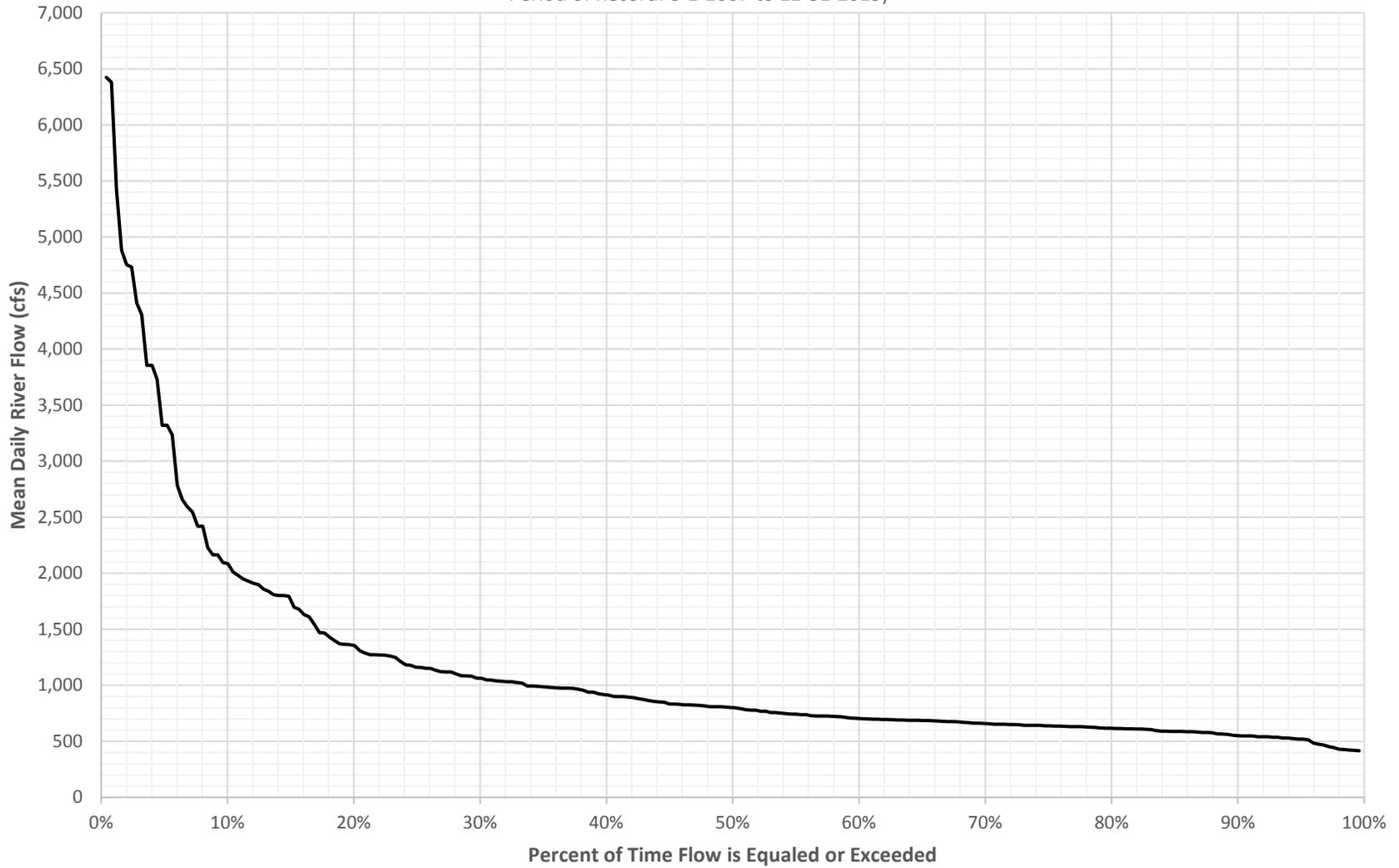
Inflow at Graham Lake Annual Flow Duration Curve

(Data Source: Prorated USGS Gage 01022500 (Narraguagus River at Cherryfield, ME)
Period of Record: 8-1-2007 to 12-31-2015)



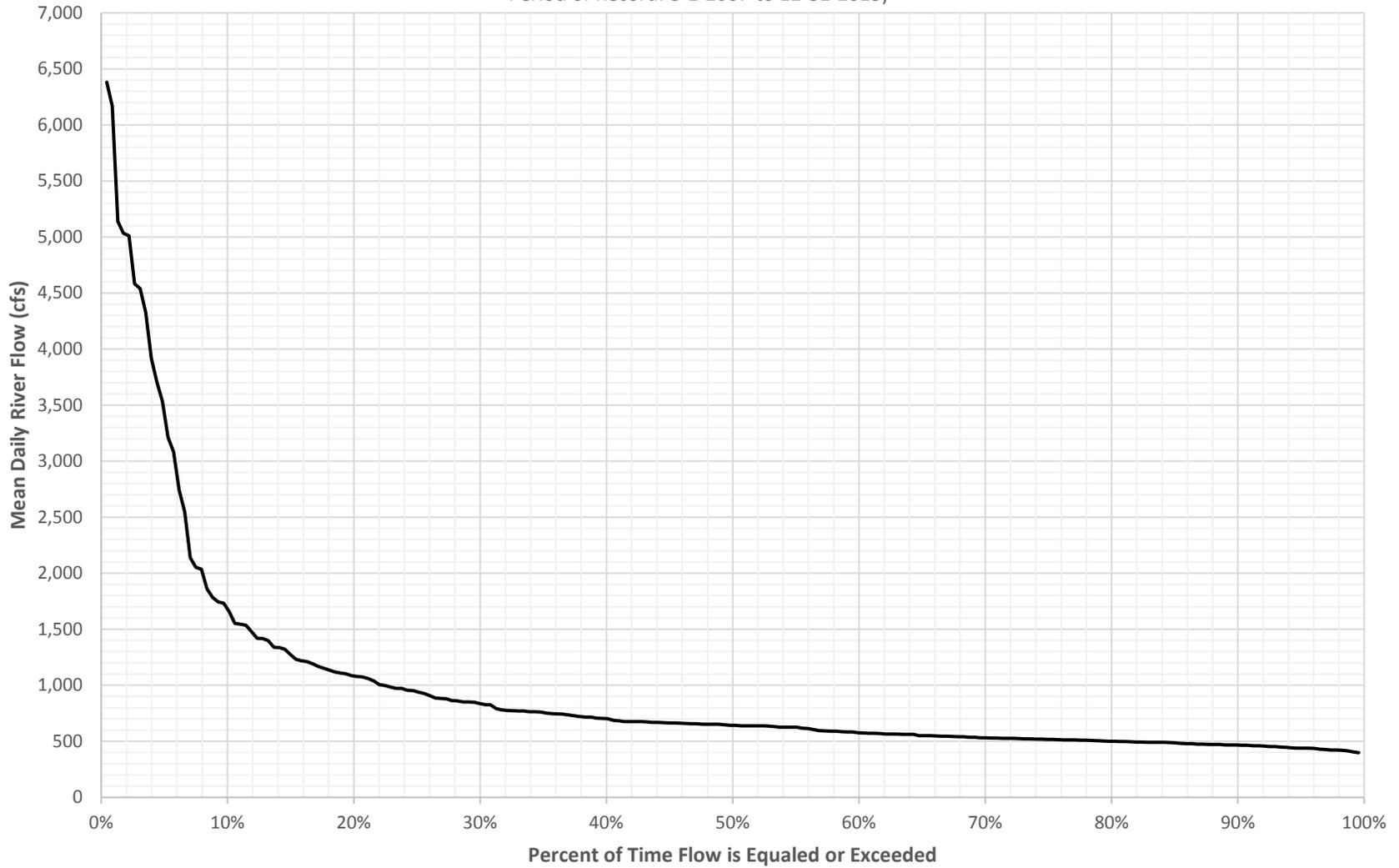
Inflow at Graham Lake January Flow Duration Curve

(Data Source: Prorated USGS Gage 01022500 (Narraguagus River at Cherryfield, ME)
Period of Record: 8-1-2007 to 12-31-2015)



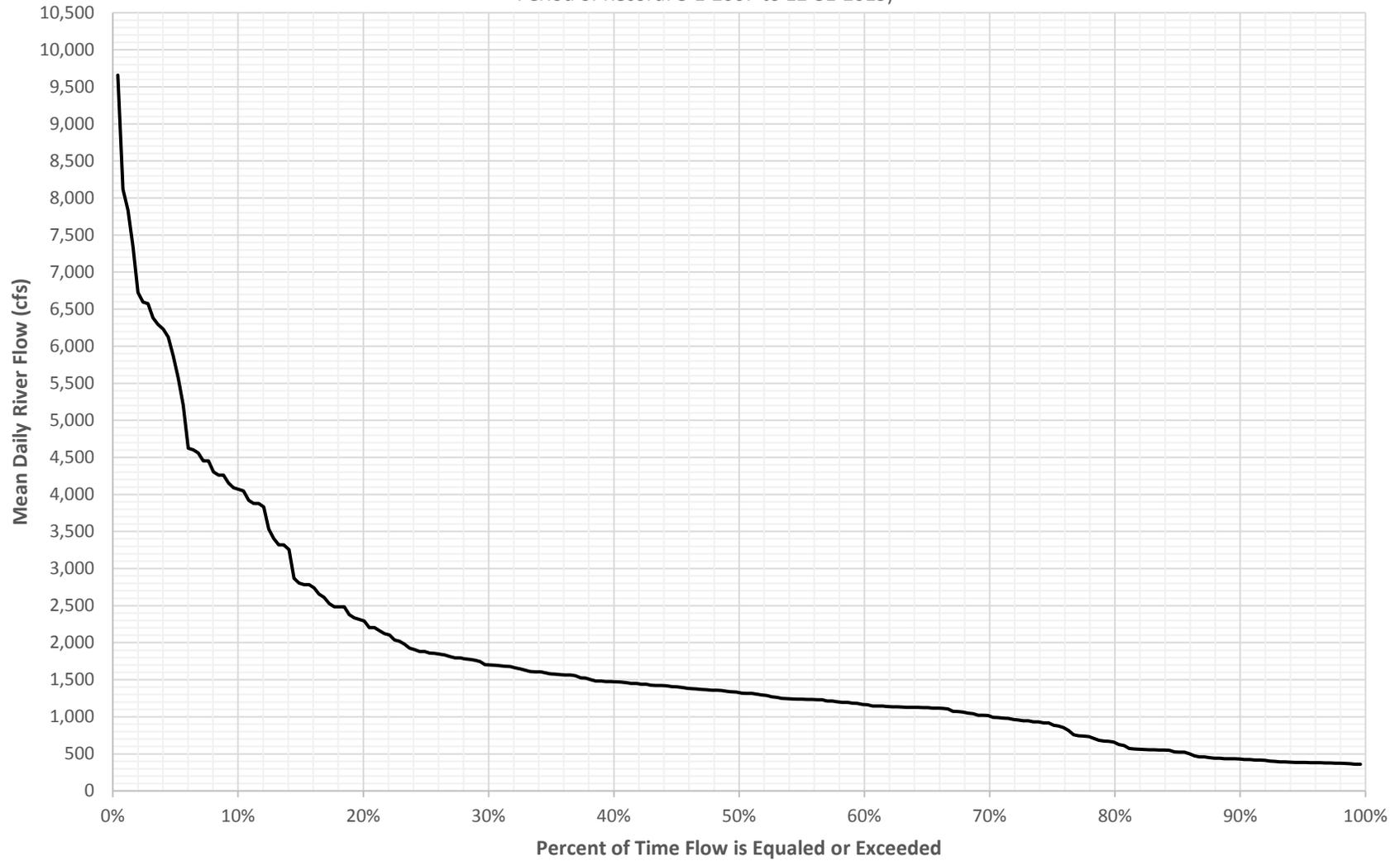
Inflow at Graham Lake February Flow Duration Curve

(Data Source: Prorated USGS Gage 01022500 (Narraguagus River at Cherryfield, ME)
Period of Record: 8-1-2007 to 12-31-2015)



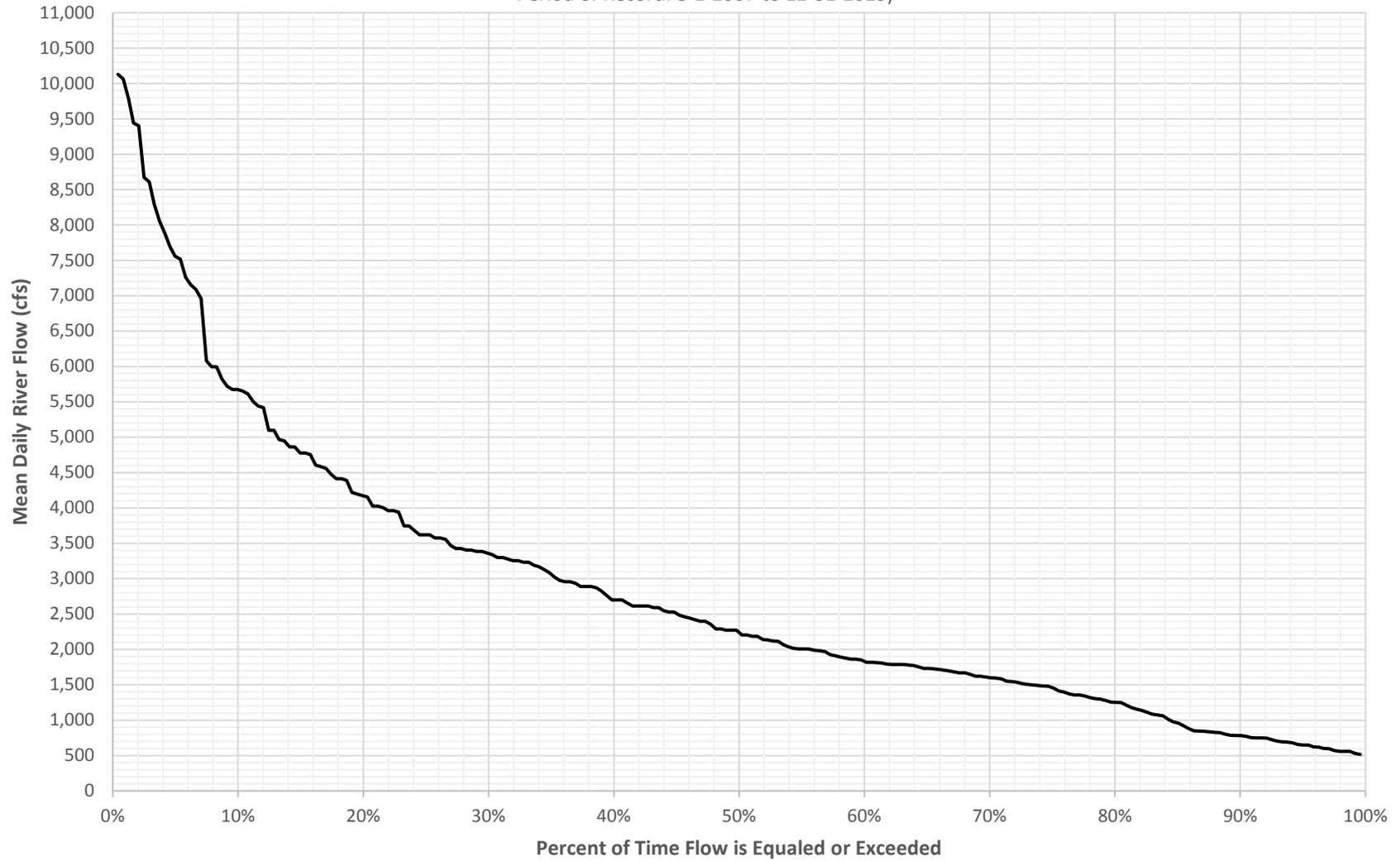
Inflow at Graham Lake March Flow Duration Curve

(Data Source: Prorated USGS Gage 01022500 (Narraguagus River at Cherryfield, ME)
Period of Record: 8-1-2007 to 12-31-2015)



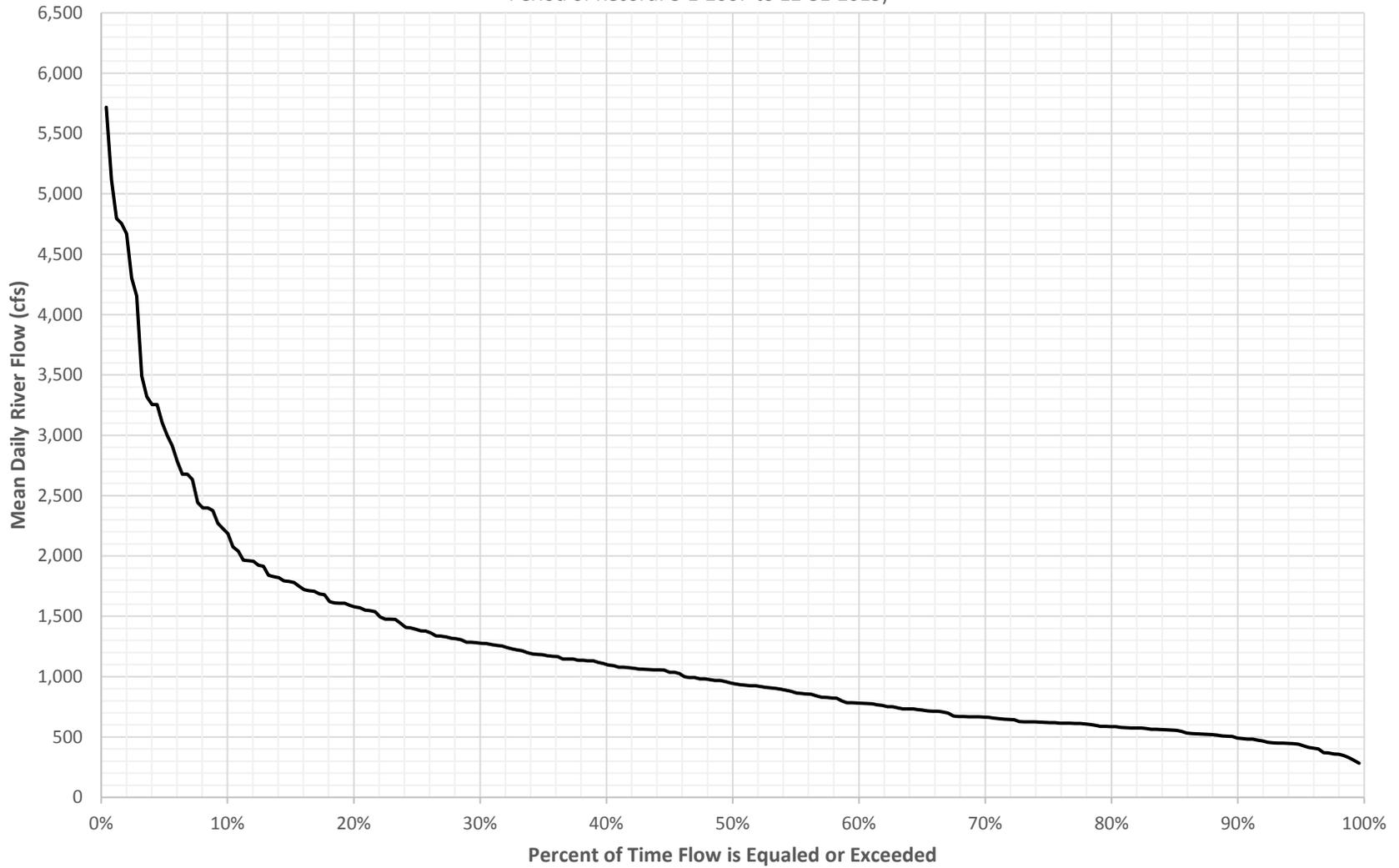
Inflow at Graham Lake April Flow Duration Curve

(Data Source: Prorated USGS Gage 01022500 (Narraguagus River at Cherryfield, ME)
Period of Record: 8-1-2007 to 12-31-2015)



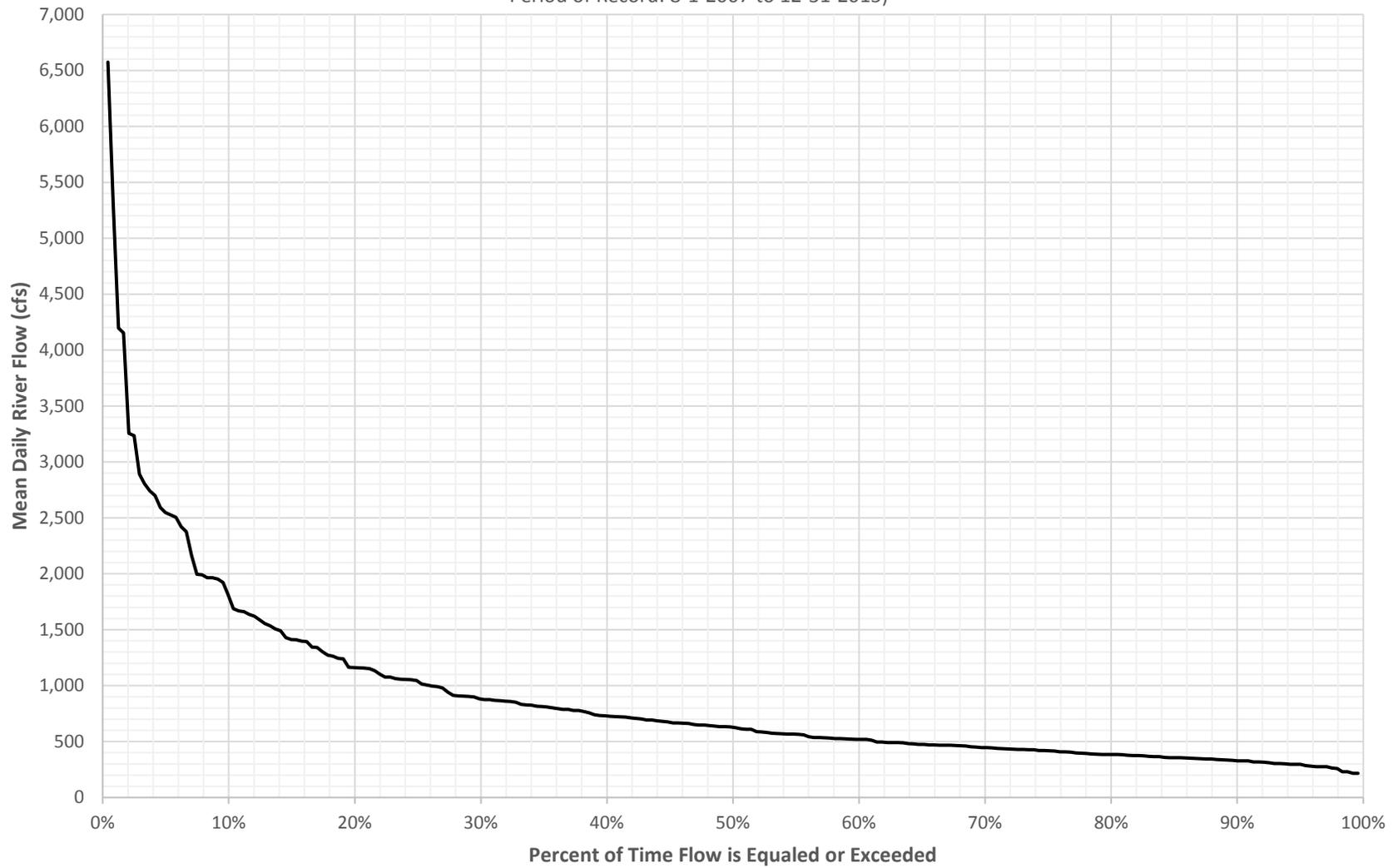
Inflow at Graham Lake May Flow Duration Curve

(Data Source: Prorated USGS Gage 01022500 (Narraguagus River at Cherryfield, ME)
Period of Record: 8-1-2007 to 12-31-2015)



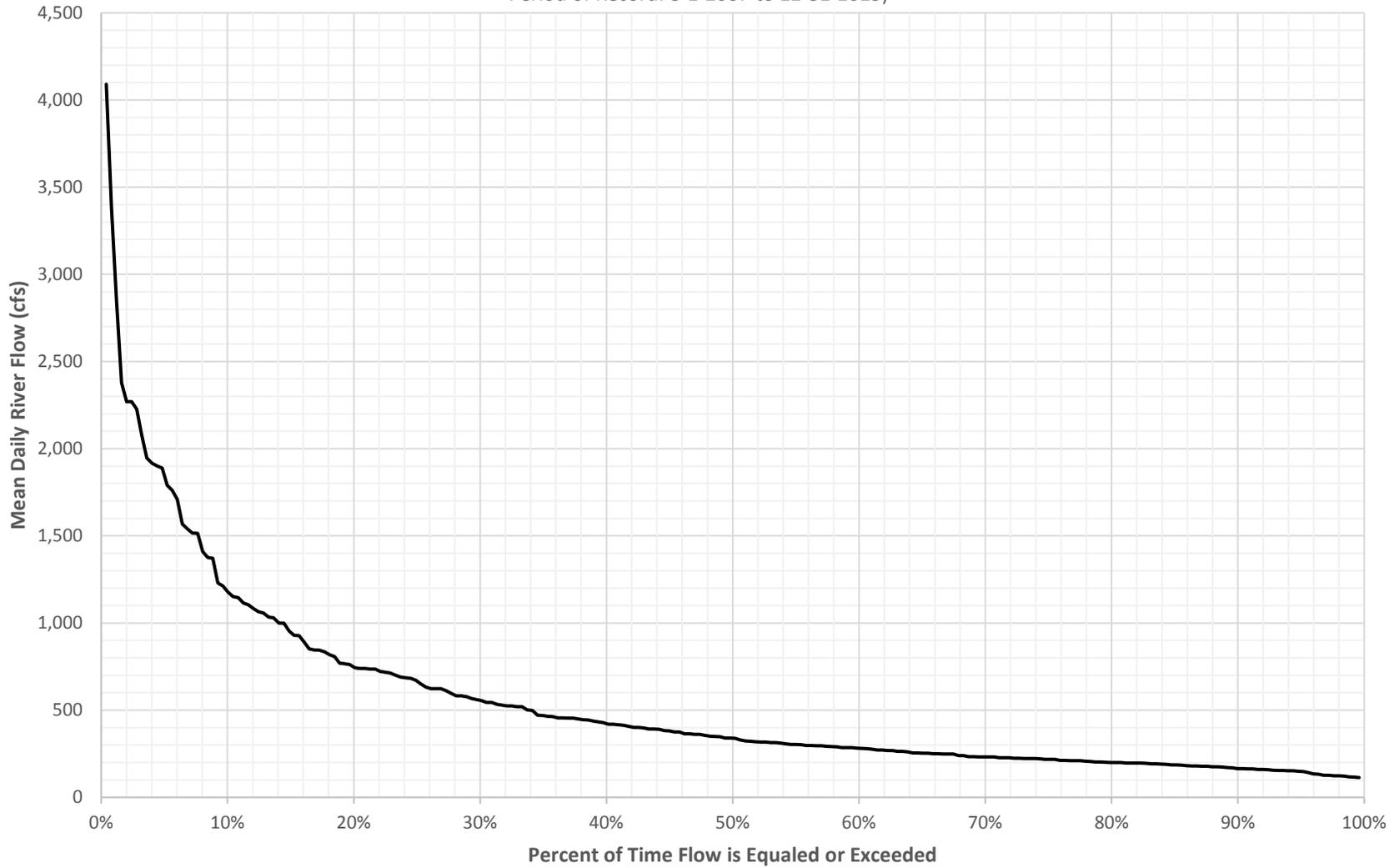
Inflow at Graham Lake June Flow Duration Curve

(Data Source: Prorated USGS Gage 01022500 (Narraguagus River at Cherryfield, ME)
Period of Record: 8-1-2007 to 12-31-2015)



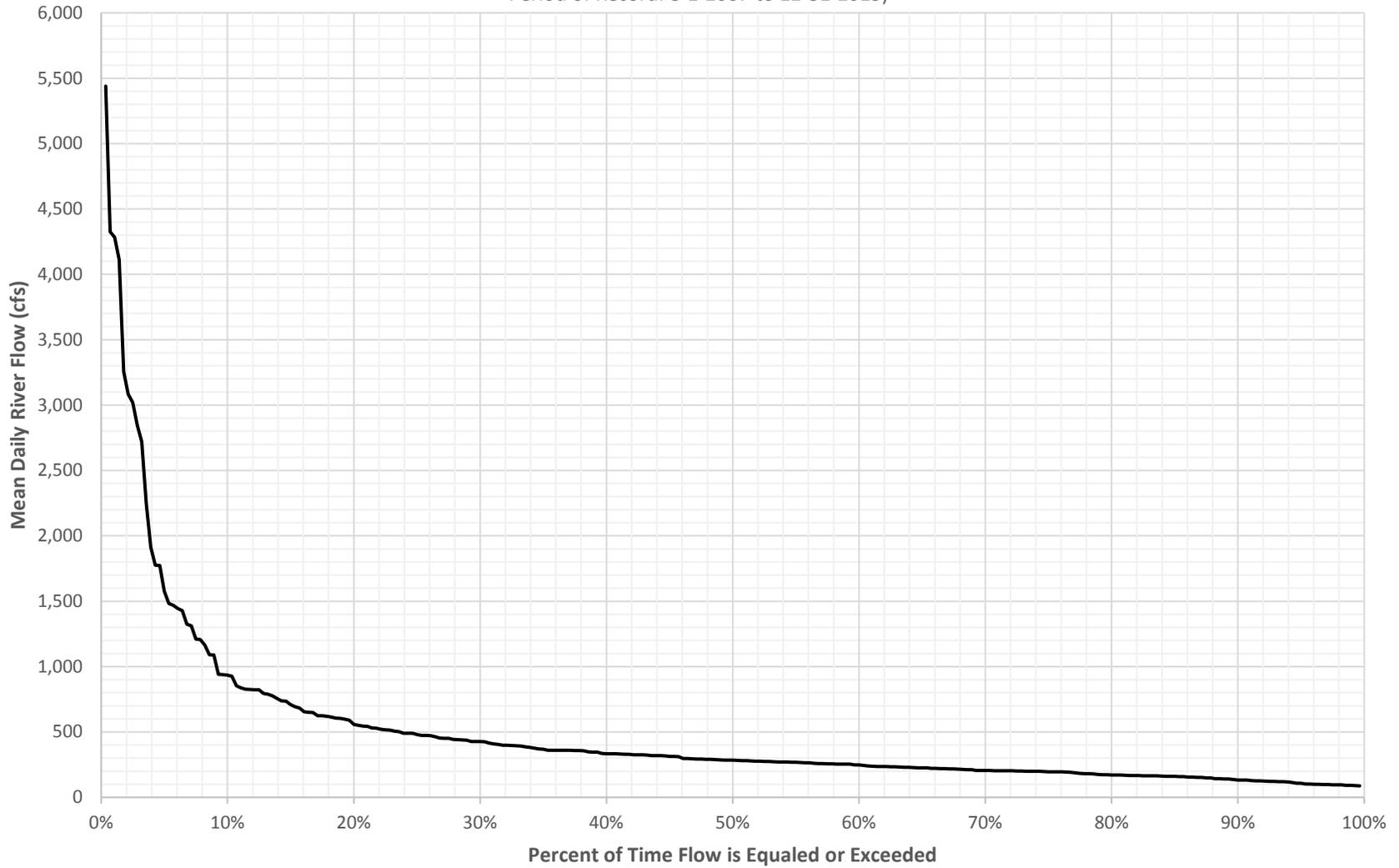
Inflow at Graham Lake July Flow Duration Curve

(Data Source: Prorated USGS Gage 01022500 (Narraguagus River at Cherryfield, ME)
Period of Record: 8-1-2007 to 12-31-2015)



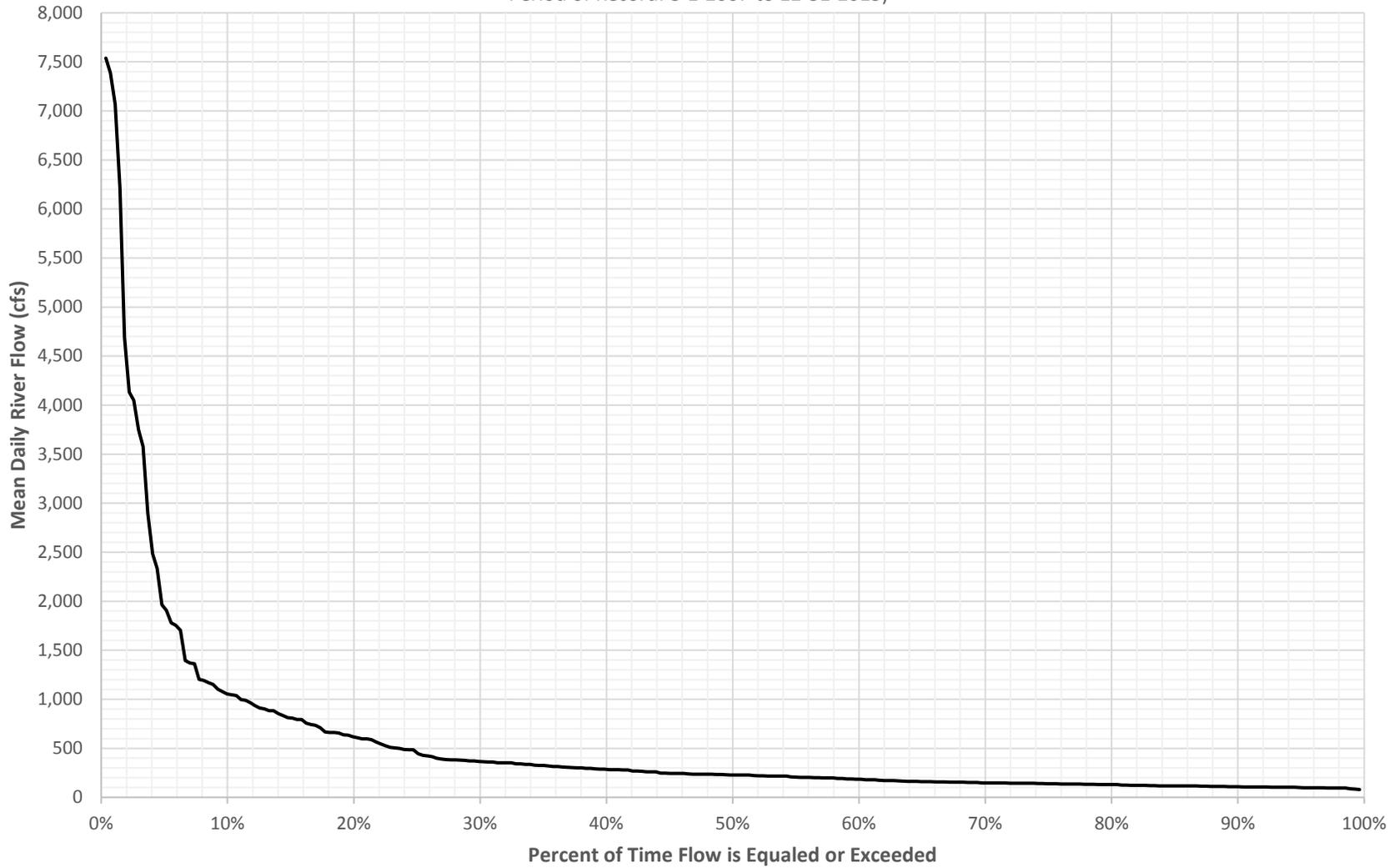
Inflow at Graham Lake August Flow Duration Curve

(Data Source: Prorated USGS Gage 01022500 (Narraguagus River at Cherryfield, ME)
Period of Record: 8-1-2007 to 12-31-2015)



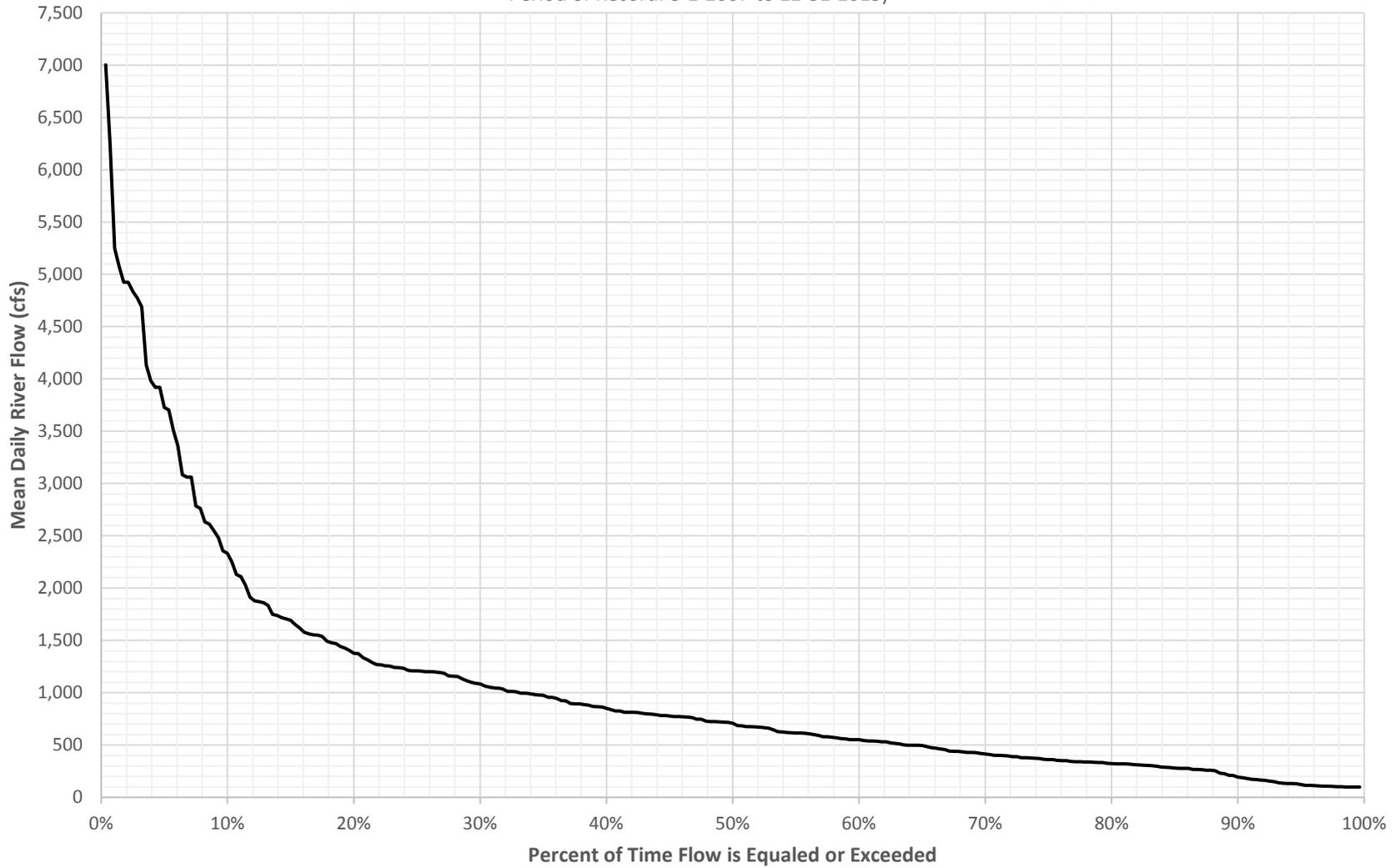
Inflow at Graham Lake September Flow Duration Curve

(Data Source: Prorated USGS Gage 01022500 (Narraguagus River at Cherryfield, ME)
Period of Record: 8-1-2007 to 12-31-2015)



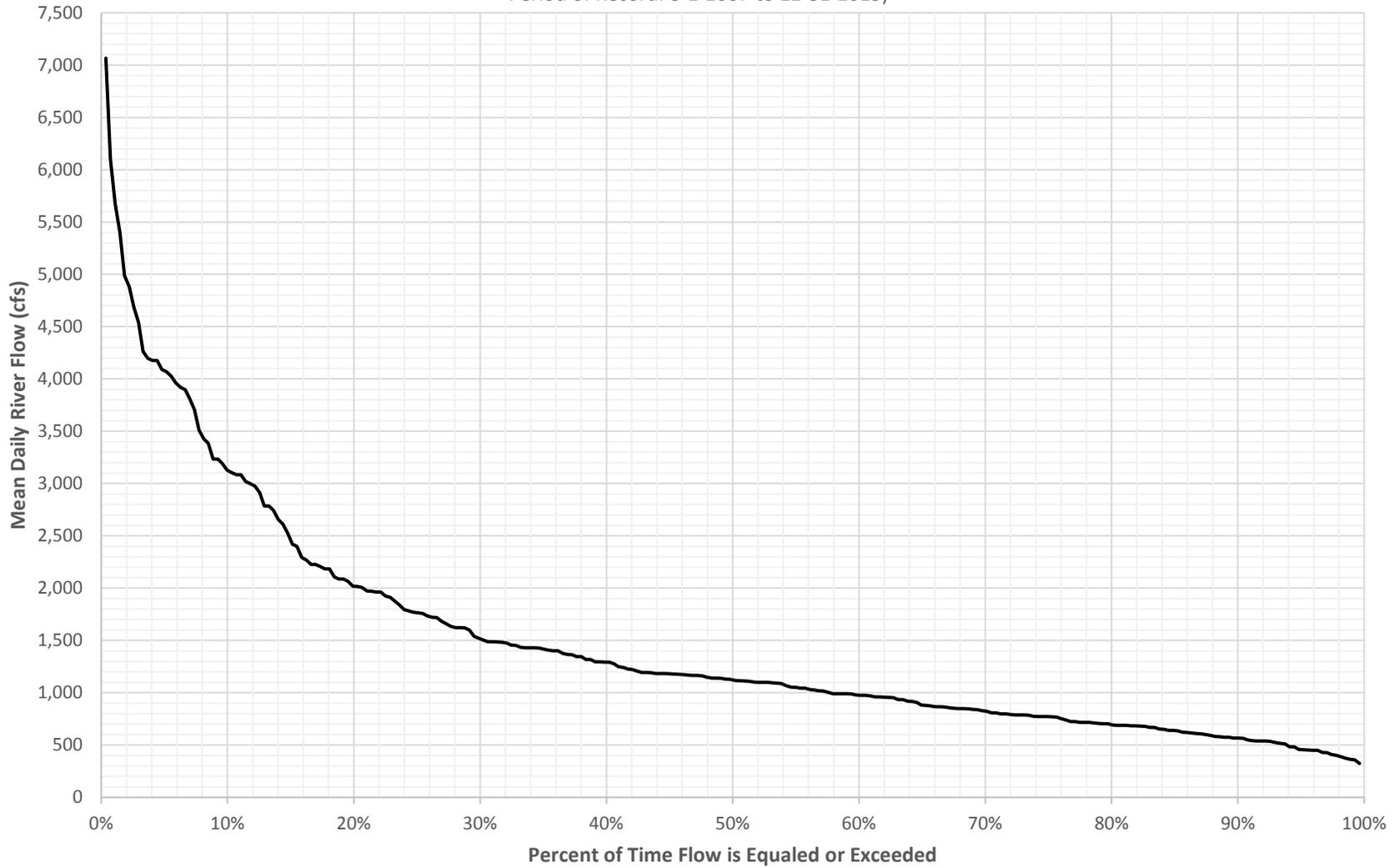
Inflow at Graham Lake October Flow Duration Curve

(Data Source: Prorated USGS Gage 01022500 (Narraguagus River at Cherryfield, ME)
Period of Record: 8-1-2007 to 12-31-2015)



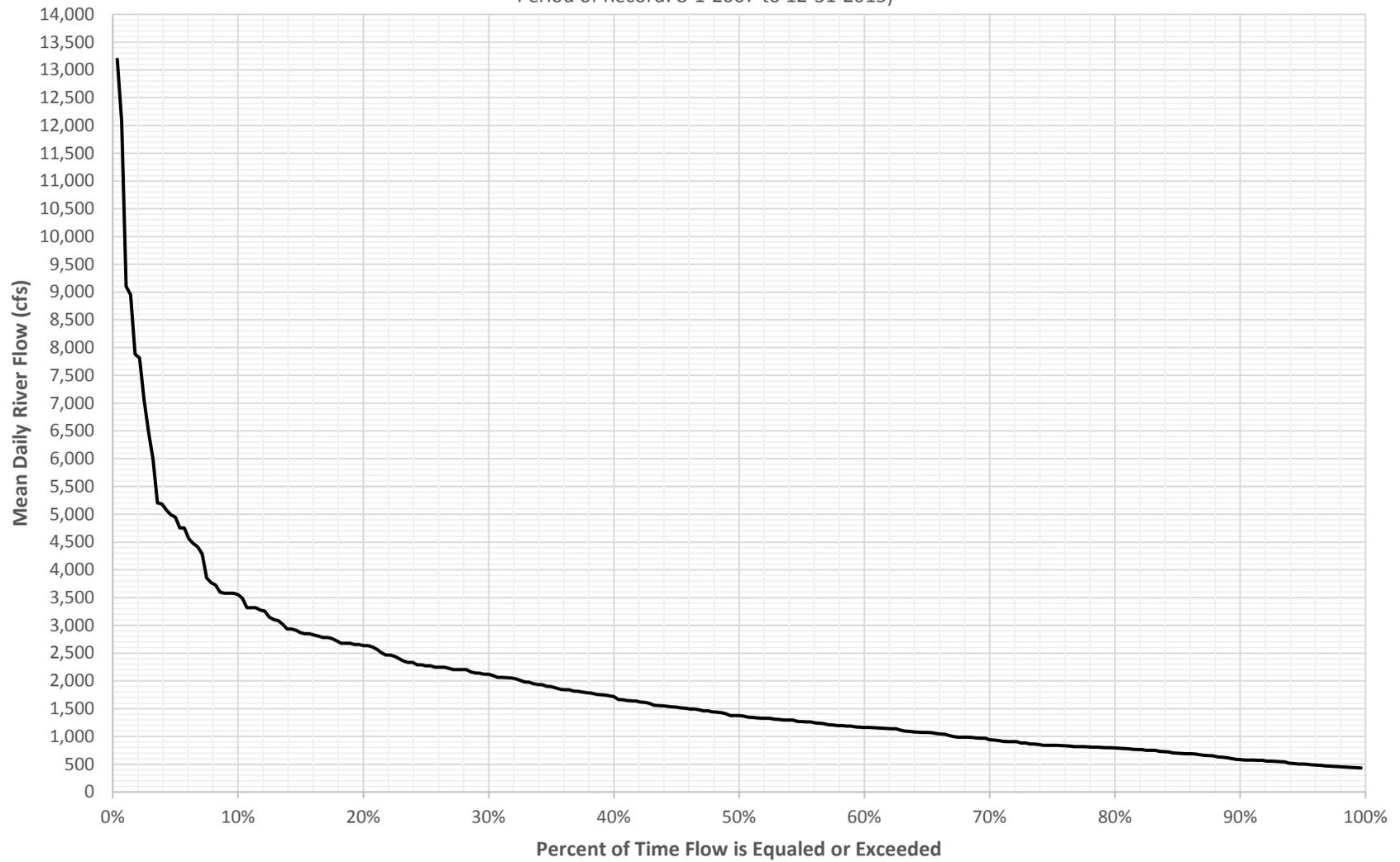
Inflow at Graham Lake November Flow Duration Curve

(Data Source: Prorated USGS Gage 01022500 (Narraguagus River at Cherryfield, ME)
Period of Record: 8-1-2007 to 12-31-2015)



Inflow at Graham Lake December Flow Duration Curve

(Data Source: Prorated USGS Gage 01022500 (Narraguagus River at Cherryfield, ME)
Period of Record: 8-1-2007 to 12-31-2015)



ATTACHMENT 5
FLOW DURATION DATA TABULATIONS

Date	Gage Flow (cfs)	Prorated Flow (cfs)
8/1/2007	91	195
8/2/2007	84	180
8/3/2007	79	169
8/4/2007	92	197
8/5/2007	95	203
8/6/2007	91	195
8/7/2007	96	206
8/8/2007	109	233
8/9/2007	149	319
8/10/2007	124	266
8/11/2007	104	223
8/12/2007	93	199
8/13/2007	91	195
8/14/2007	120	257
8/15/2007	119	255
8/16/2007	105	225
8/17/2007	105	225
8/18/2007	103	221
8/19/2007	94	201
8/20/2007	85	182
8/21/2007	77	165
8/22/2007	71	152
8/23/2007	67	143
8/24/2007	67	143
8/25/2007	72	154
8/26/2007	72	154
8/27/2007	69	148
8/28/2007	64	137
8/29/2007	60	128
8/30/2007	56	120
8/31/2007	57	122
9/1/2007	56	120
9/2/2007	55	118
9/3/2007	52	111
9/4/2007	50	107
9/5/2007	48	103
9/6/2007	46	99
9/7/2007	45	96
9/8/2007	45	96
9/9/2007	48	103
9/10/2007	61	131
9/11/2007	71	152
9/12/2007	110	236
9/13/2007	110	236
9/14/2007	84	180
9/15/2007	75	161
9/16/2007	74	158
9/17/2007	67	143
9/18/2007	61	131
9/19/2007	57	122
9/20/2007	57	122
9/21/2007	55	118
9/22/2007	53	114
9/23/2007	52	111
9/24/2007	48	103
9/25/2007	46	99
9/26/2007	44	94
9/27/2007	45	96
9/28/2007	67	143
9/29/2007	92	197
9/30/2007	74	158
10/1/2007	62	133
10/2/2007	57	122
10/3/2007	54	116
10/4/2007	54	116
10/5/2007	52	111
10/6/2007	50	107
10/7/2007	50	107
10/8/2007	48	103
10/9/2007	49	105
10/10/2007	51	109
10/11/2007	48	103
10/12/2007	121	259
10/13/2007	404	865
10/14/2007	313	670
10/15/2007	233	499
10/16/2007	181	388
10/17/2007	144	308
10/18/2007	121	259
10/19/2007	106	227
10/20/2007	258	553
10/21/2007	361	773
10/22/2007	266	570
10/23/2007	205	439
10/24/2007	174	373
10/25/2007	146	313
10/26/2007	124	266
10/27/2007	125	268
10/28/2007	252	540
10/29/2007	257	550
10/30/2007	216	463
10/31/2007	187	400
11/1/2007	167	358
11/2/2007	151	323
11/3/2007	200	428
11/4/2007	1,600	3,426
11/5/2007	1,640	3,512
11/6/2007	1,300	2,784
11/7/2007	1,510	3,234
11/8/2007	1,240	2,656
11/9/2007	920	1,970
11/10/2007	693	1,484
11/11/2007	548	1,174
11/12/2007	448	959
11/13/2007	403	863
11/14/2007	396	848
11/15/2007	370	792
11/16/2007	678	1,452
11/17/2007	1,040	2,227
11/18/2007	945	2,019
11/19/2007	758	1,623
11/20/2007	603	1,291
11/21/2007	518	1,109
11/22/2007	491	1,052
11/23/2007	498	1,066
11/24/2007	457	979
11/25/2007	408	874

Proration Parameters	
Narraguagus Gage Drainage Area (mi ²) =	227
Graham Lake Drainage Area (mi ²) =	486
Proration Factor =	2.14

Date	Gage Flow (cfs)	Prorated Flow (cfs)
11/26/2007	372	797
11/27/2007	629	1,347
11/28/2007	852	1,782
11/29/2007	758	1,623
11/30/2007	695	1,488
12/1/2007	535	1,146
12/2/2007	452	968
12/3/2007	413	884
12/4/2007	393	842
12/5/2007	391	837
12/6/2007	370	792
12/7/2007	318	681
12/8/2007	325	696
12/9/2007	306	655
12/10/2007	288	617
12/11/2007	260	557
12/12/2007	282	604
12/13/2007	266	570
12/14/2007	260	557
12/15/2007	255	546
12/16/2007	242	518
12/17/2007	321	687
12/18/2007	363	777
12/19/2007	327	700
12/20/2007	313	670
12/21/2007	292	625
12/22/2007	272	583
12/23/2007	267	572
12/24/2007	864	1,850
12/25/2007	1,230	2,634
12/26/2007	1,140	2,441
12/27/2007	952	2,039
12/28/2007	755	1,617
12/29/2007	641	1,373
12/30/2007	618	1,323
12/31/2007	554	1,186
1/1/2008	507	1,086
1/2/2008	463	992
1/3/2008	438	938
1/4/2008	419	897
1/5/2008	403	863
1/6/2008	388	831
1/7/2008	377	807
1/8/2008	400	857
1/9/2008	524	1,122
1/10/2008	940	2,013
1/11/2008	1,040	2,227
1/12/2008	1,510	3,234
1/13/2008	1,550	3,319
1/14/2008	1,300	2,784
1/15/2008	1,010	2,163
1/16/2008	841	1,801
1/17/2008	667	1,428
1/18/2008	722	1,546
1/19/2008	974	2,086
1/20/2008	859	1,840
1/21/2008	653	1,398
1/22/2008	506	1,084
1/23/2008	514	1,101
1/24/2008	455	974
1/25/2008	407	872
1/26/2008	370	792
1/27/2008	340	728
1/28/2008	322	690
1/29/2008	323	692
1/30/2008	349	747
1/31/2008	454	972
2/1/2008	438	938
2/2/2008	774	1,658
2/3/2008	951	2,037
2/4/2008	815	1,745
2/5/2008	662	1,418
2/6/2008	576	1,234
2/7/2008	515	1,103
2/8/2008	454	972
2/9/2008	412	882
2/10/2008	385	824
2/11/2008	361	773
2/12/2008	351	752
2/13/2008	546	1,169
2/14/2008	2,400	5,140
2/15/2008	2,350	5,033
2/16/2008	2,020	4,326
2/17/2008	1,650	3,534
2/18/2008	1,830	3,919
2/19/2008	2,980	6,382
2/20/2008	2,880	6,168
2/21/2008	2,340	5,011
2/22/2008	1,730	3,705
2/23/2008	1,280	2,741
2/24/2008	998	2,137
2/25/2008	833	1,784
2/26/2008	725	1,553
2/27/2008	653	1,398
2/28/2008	618	1,323
2/29/2008	557	1,193
3/1/2008	500	1,071
3/2/2008	458	981
3/3/2008	442	947
3/4/2008	477	1,022
3/5/2008	644	1,379
3/6/2008	1,030	2,206
3/7/2008	983	2,105
3/8/2008	1,160	2,484
3/9/2008	2,980	6,382
3/10/2008	3,070	6,575
3/11/2008	2,600	5,568
3/12/2008	2,080	4,454
3/13/2008	1,550	3,319
3/14/2008	1,160	2,484
3/15/2008	943	2,019
3/16/2008	815	1,745
3/17/2008	732	1,568
3/18/2008	656	1,405
3/19/2008	616	1,319
3/20/2008	852	1,782
3/21/2008	1,300	2,784
3/22/2008	1,110	2,377
3/23/2008	924	1,979
3/24/2008	752	1,610

Date	Gage Flow (cfs)	Prorated Flow (cfs)
3/25/2008	662	1,418
3/26/2008	614	1,315
3/27/2008	664	1,422
3/28/2008	682	1,461
3/29/2008	635	1,360
3/30/2008	576	1,234
3/31/2008	581	1,244
4/1/2008	700	1,499
4/2/2008	1,380	2,955
4/3/2008	1,580	3,384
4/4/2008	1,540	3,298
4/5/2008	1,620	3,469
4/6/2008	1,570	3,362
4/7/2008	1,530	3,277
4/8/2008	1,510	3,234
4/9/2008	1,510	3,234
4/10/2008	1,540	3,298
4/11/2008	1,690	3,619
4/12/2008	1,850	3,962
4/13/2008	2,090	4,476
4/14/2008	2,050	4,390
4/15/2008	1,750	3,748
4/16/2008	1,460	3,127
4/17/2008	1,290	2,763
4/18/2008	1,190	2,548
4/19/2008	1,140	2,441
4/20/2008	1,100	2,356
4/21/2008	1,020	2,184
4/22/2008	937	2,007
4/23/2008	849	1,818
4/24/2008	791	1,694
4/25/2008	769	1,647
4/26/2008	724	1,550
4/27/2008	653	1,398
4/28/2008	586	1,255
4/29/2008	740	1,585
4/30/2008	2,140	4,583
5/1/2008	2,390	5,118
5/2/2008	1,940	4,155
5/3/2008	1,360	2,913
5/4/2008	1,040	2,227
5/5/2008	898	1,923
5/6/2008	784	1,679
5/7/2008	689	1,476
5/8/2008	614	1,315
5/9/2008	600	1,285
5/10/2008	545	1,167
5/11/2008	495	1,060
5/12/2008	448	959
5/13/2008	404	865
5/14/2008	365	782
5/15/2008	333	713
5/16/2008	311	666
5/17/2008	300	642
5/18/2008	326	698
5/19/2008	342	732
5/20/2008	330	707
5/21/2008	304	651
5/22/2008	284	608
5/23/2008	289	619
5/24/2008	279	597
5/25/2008	259	555
5/26/2008	236	505
5/27/2008	225	482
5/28/2008	213	456
5/29/2008	190	407
5/30/2008	173	370
5/31/2008	167	358
6/1/2008	229	490
6/2/2008	341	730
6/3/2008	389	833
6/4/2008	496	1,062
6/5/2008	488	1,045
6/6/2008	424	908
6/7/2008	363	777
6/8/2008	311	666
6/9/2008	266	570
6/10/2008	228	488
6/11/2008	202	433
6/12/2008	180	385
6/13/2008	157	336
6/14/2008	139	298
6/15/2008	128	274
6/16/2008	123	263
6/17/2008	148	317
6/18/2008	199	426
6/19/2008	179	383
6/20/2008	166	355
6/21/2008	155	332
6/22/2008	142	304
6/23/2008	139	298
6/24/2008	164	351
6/25/2008	142	304
6/26/2008	121	259
6/27/2008	108	231
6/28/2008	101	216
6/29/2008	101	216
6/30/2008	107	229
7/1/2008	108	231
7/2/2008	104	223
7/3/2008	98	210
7/4/2008	91	195
7/5/2008	87	186
7/6/2008	82	176
7/7/2008	79	169
7/8/2008	76	163
7/9/2008	73	156
7/10/2008	70	150
7/11/2008	66	141
7/12/2008	62	133
7/13/2008	59	126
7/14/2008	58	124
7/15/2008	57	122
7/16/2008	55	118
7/17/2008	54	116
7/18/2008	53	114
7/19/2008	58	124
7/20/2008	59	126
7/21/2008	85	182
7/22/2008	98	210

Date	Gage Flow (cfs)	Prorated Flow (cfs)
7/23/2008	105	225
7/24/2008	158	338
7/25/2008	245	525
7/26/2008	337	722
7/27/2008	270	578
7/28/2008	212	454
7/29/2008	170	364
7/30/2008	139	298
7/31/2008	117	251
8/1/2008	186	398
8/2/2008	667	1,428
8/3/2008	829	1,775
8/4/2008	1,520	3,255
8/5/2008	1,440	3,084
8/6/2008	1,050	2,249
8/7/2008	692	1,482
8/8/2008	509	1,090
8/9/2008	439	940
8/10/2008	384	822
8/11/2008	353	756
8/12/2008	386	827
8/13/2008	544	1,165
8/14/2008	436	934
8/15/2008	344	737
8/16/2008	282	604
8/17/2008	243	520
8/18/2008	207	443
8/19/2008	184	394
8/20/2008	186	398
8/21/2008	168	360
8/22/2008	152	326
8/23/2008	136	291
8/24/2008	123	263
8/25/2008	112	240
8/26/2008	102	218
8/27/2008	93	199
8/28/2008	85	182
8/29/2008	81	173
8/30/2008	78	167
8/31/2008	78	167
9/1/2008	74	158
9/2/2008	69	148
9/3/2008	66	141
9/4/2008	65	139
9/5/2008	65	139
9/6/2008	64	137
9/7/2008	1,670	3,576
9/8/2008	2,190	4,690
9/9/2008	1,350	2,891
9/10/2008	917	1,964
9/11/2008	640	1,371
9/12/2008	488	1,045
9/13/2008	421	902
9/14/2008	371	795
9/15/2008	353	756
9/16/2008	311	666
9/17/2008	263	563
9/18/2008	227	486
9/19/2008	194	415
9/20/2008	169	362
9/21/2008	153	328
9/22/2008	141	302
9/23/2008	130	278
9/24/2008	121	259
9/25/2008	115	246
9/26/2008	109	233
9/27/2008	436	934
9/28/2008	1,890	4,048
9/29/2008	3,450	7,388
9/30/2008	3,520	7,538
10/1/2008	2,370	5,075
10/2/2008	2,190	4,690
10/3/2008	2,300	4,926
10/4/2008	1,830	3,919
10/5/2008	1,430	3,062
10/6/2008	1,050	2,249
10/7/2008	812	1,739
10/8/2008	666	1,426
10/9/2008	579	1,240
10/10/2008	521	1,116
10/11/2008	462	989
10/12/2008	412	882
10/13/2008	380	814
10/14/2008	356	762
10/15/2008	334	715
10/16/2008	319	683
10/17/2008	363	777
10/18/2008	341	730
10/19/2008	311	666
10/20/2008	288	617
10/21/2008	271	580
10/22/2008	268	574
10/23/2008	262	561
10/24/2008	248	531
10/25/2008	239	512
10/26/2008	365	782
10/27/2008	791	1,694
10/28/2008	894	1,915
10/29/2008	947	2,028
10/30/2008	803	1,720
10/31/2008	656	1,405
11/1/2008	544	1,165
11/2/2008	455	974
11/3/2008	391	837
11/4/2008	359	769
11/5/2008	334	715
11/6/2008	319	683
11/7/2008	387	829
11/8/2008	453	970
11/9/2008	522	1,118
11/10/2008	604	1,293
11/11/2008	553	1,184
11/12/2008	487	1,043
11/13/2008	429	919
11/14/2008	405	867
11/15/2008	462	989
11/16/2008	1,390	2,977
11/17/2008	2,190	4,690
11/18/2008	1,820	3,898
11/19/2008	1,360	2,913

Date	Gage Flow (cfs)	Prorated Flow (cfs)
11/20/2008	964	2,064
11/21/2008	757	1,621
11/22/2008	637	1,364
11/23/2008	550	1,178
11/24/2008	487	1,043
11/25/2008	462	989
11/26/2008	2,120	4,540
11/27/2008	3,300	7,067
11/28/2008	2,850	6,103
11/29/2008	2,520	5,397
11/30/2008	1,960	4,197
12/1/2008	1,670	3,576
12/2/2008	1,550	3,319
12/3/2008	1,370	2,934
12/4/2008	1,150	2,463
12/5/2008	960	2,056
12/6/2008	816	1,748
12/7/2008	743	1,591
12/8/2008	641	1,373
12/9/2008	512	1,096
12/10/2008	1,090	2,334
12/11/2008	1,550	3,319
12/12/2008	2,430	5,204
12/13/2008	3,650	7,817
12/14/2008	3,030	6,489
12/15/2008	2,220	4,754
12/16/2008	1,660	3,555
12/17/2008	1,300	2,784
12/18/2008	1,050	2,249
12/19/2008	858	1,837
12/20/2008	720	1,542
12/21/2008	638	1,366
12/22/2008	577	1,236
12/23/2008	544	1,165
12/24/2008	532	1,139
12/25/2008	838	1,795
12/26/2008	990	2,120
12/27/2008	963	2,062
12/28/2008	1,340	2,870
12/29/2008	1,680	3,598
12/30/2008	1,550	3,319
12/31/2008	1,240	2,656
1/1/2009	924	1,979
1/2/2009	686	1,469
1/3/2009	594	1,272
1/4/2009	522	1,118
1/5/2009	485	1,039
1/6/2009	459	983
1/7/2009	421	902
1/8/2009	397	850
1/9/2009	377	807
1/10/2009	359	769
1/11/2009	347	743
1/12/2009	335	717
1/13/2009	329	705
1/14/2009	324	694
1/15/2009	314	672
1/16/2009	304	651
1/17/2009	297	636
1/18/2009	294	630
1/19/2009	315	675
1/20/2009	332	711
1/21/2009	322	690
1/22/2009	303	649
1/23/2009	287	615
1/24/2009	275	589
1/25/2009	265	568
1/26/2009	257	550
1/27/2009	252	540
1/28/2009	250	535
1/29/2009	252	540
1/30/2009	253	542
1/31/2009	247	529
2/1/2009	245	525
2/2/2009	241	516
2/3/2009	240	514
2/4/2009	230	493
2/5/2009	225	482
2/6/2009	221	473
2/7/2009	215	460
2/8/2009	234	501
2/9/2009	255	546
2/10/2009	243	520
2/11/2009	229	490
2/12/2009	292	625
2/13/2009	504	1,079
2/14/2009	501	1,073
2/15/2009	446	955
2/16/2009	386	827
2/17/2009	334	715
2/18/2009	304	651
2/19/2009	298	638
2/20/2009	310	664
2/21/2009	298	638
2/22/2009	292	625
2/23/2009	298	638
2/24/2009	321	687
2/25/2009	308	660
2/26/2009	298	638
2/27/2009	288	617
2/28/2009	663	1,420
3/1/2009	1,090	2,334
3/2/2009	1,010	2,163
3/3/2009	824	1,765
3/4/2009	689	1,476
3/5/2009	575	1,231
3/6/2009	519	1,111
3/7/2009	543	1,163
3/8/2009	635	1,360
3/9/2009	785	1,681
3/10/2009	713	1,527
3/11/2009	648	1,388
3/12/2009	838	1,795
3/13/2009	760	1,628
3/14/2009	658	1,409
3/15/2009	582	1,246
3/16/2009	534	1,144
3/17/2009	501	1,073
3/18/2009	490	1,049
3/19/2009	575	1,231

Date	Gage Flow (cfs)	Prorated Flow (cfs)
3/20/2009	677	1,450
3/21/2009	632	1,353
3/22/2009	578	1,238
3/23/2009	531	1,137
3/24/2009	487	1,043
3/25/2009	450	964
3/26/2009	475	1,017
3/27/2009	544	1,165
3/28/2009	665	1,424
3/29/2009	890	1,906
3/30/2009	1,990	4,262
3/31/2009	2,430	5,204
4/1/2009	2,320	4,968
4/2/2009	1,950	4,176
4/3/2009	2,060	4,412
4/4/2009	4,700	10,065
4/5/2009	4,730	10,130
4/6/2009	3,870	8,288
4/7/2009	4,410	9,444
4/8/2009	4,570	9,787
4/9/2009	3,530	7,560
4/10/2009	2,530	5,418
4/11/2009	1,880	4,026
4/12/2009	1,490	3,191
4/13/2009	1,240	2,656
4/14/2009	1,070	2,291
4/15/2009	935	2,002
4/16/2009	835	1,788
4/17/2009	757	1,621
4/18/2009	690	1,478
4/19/2009	634	1,358
4/20/2009	582	1,246
4/21/2009	757	1,621
4/22/2009	2,800	5,996
4/23/2009	3,310	7,089
4/24/2009	2,650	5,675
4/25/2009	1,870	4,005
4/26/2009	1,340	2,870
4/27/2009	1,020	2,184
4/28/2009	844	1,807
4/29/2009	717	1,535
4/30/2009	616	1,319
5/1/2009	596	1,276
5/2/2009	624	1,336
5/3/2009	586	1,255
5/4/2009	530	1,135
5/5/2009	484	1,037
5/6/2009	535	1,146
5/7/2009	595	1,274
5/8/2009	743	1,591
5/9/2009	757	1,621
5/10/2009	752	1,610
5/11/2009	650	1,392
5/12/2009	567	1,214
5/13/2009	492	1,054
5/14/2009	434	929
5/15/2009	421	902
5/16/2009	393	842
5/17/2009	535	1,146
5/18/2009	698	1,495
5/19/2009	588	1,259
5/20/2009	493	1,056
5/21/2009	418	895
5/22/2009	358	767
5/23/2009	310	664
5/24/2009	282	604
5/25/2009	368	574
5/26/2009	241	516
5/27/2009	225	482
5/28/2009	273	585
5/29/2009	291	623
5/30/2009	432	925
5/31/2009	574	1,229
6/1/2009	543	1,163
6/2/2009	463	992
6/3/2009	385	824
6/4/2009	323	692
6/5/2009	275	589
6/6/2009	242	518
6/7/2009	218	467
6/8/2009	196	420
6/9/2009	175	375
6/10/2009	166	355
6/11/2009	171	366
6/12/2009	594	1,272
6/13/2009	1,210	2,591
6/14/2009	912	1,953
6/15/2009	704	1,508
6/16/2009	542	1,161
6/17/2009	423	906
6/18/2009	337	722
6/19/2009	294	630
6/20/2009	1,960	4,197
6/21/2009	3,070	6,575
6/22/2009	2,480	5,311
6/23/2009	1,940	4,155
6/24/2009	1,520	3,255
6/25/2009	1,190	2,548
6/26/2009	932	1,996
6/27/2009	741	1,587
6/28/2009	626	1,341
6/29/2009	660	1,413
6/30/2009	717	1,535
7/1/2009	658	1,409
7/2/2009	566	1,212
7/3/2009	836	1,790
7/4/2009	970	2,077
7/5/2009	1,060	2,270
7/6/2009	895	1,917
7/7/2009	732	1,568
7/8/2009	707	1,514
7/9/2009	888	1,902
7/10/2009	798	1,709
7/11/2009	640	1,371
7/12/2009	535	1,146
7/13/2009	483	1,034
7/14/2009	446	955
7/15/2009	434	929
7/16/2009	395	846
7/17/2009	359	769

Date	Gage Flow (cfs)	Prorated Flow (cfs)
7/18/2009	344	737
7/19/2009	347	743
7/20/2009	322	690
7/21/2009	291	623
7/22/2009	327	700
7/23/2009	345	739
7/24/2009	358	767
7/25/2009	550	1,178
7/26/2009	521	1,116
7/27/2009	494	1,058
7/28/2009	497	1,064
7/29/2009	394	844
7/30/2009	333	713
7/31/2009	314	672
8/1/2009	433	927
8/2/2009	391	837
8/3/2009	331	709
8/4/2009	287	615
8/5/2009	253	542
8/6/2009	229	490
8/7/2009	206	441
8/8/2009	185	396
8/9/2009	168	360
8/10/2009	157	336
8/11/2009	156	334
8/12/2009	155	332
8/13/2009	149	319
8/14/2009	139	298
8/15/2009	131	281
8/16/2009	123	263
8/17/2009	116	248
8/18/2009	110	236
8/19/2009	104	223
8/20/2009	99	212
8/21/2009	94	201
8/22/2009	93	199
8/23/2009	156	334
8/24/2009	686	1,469
8/25/2009	613	1,313
8/26/2009	362	775
8/27/2009	257	550
8/28/2009	199	426
8/29/2009	241	516
8/30/2009	2,540	5,440
8/31/2009	1,270	2,720
9/1/2009	819	1,754
9/2/2009	556	1,191
9/3/2009	413	884
9/4/2009	331	709
9/5/2009	274	587
9/6/2009	228	488
9/7/2009	198	424
9/8/2009	180	385
9/9/2009	173	370
9/10/2009	152	326
9/11/2009	138	296
9/12/2009	132	283
9/13/2009	132	283
9/14/2009	147	315
9/15/2009	138	296
9/16/2009	132	283
9/17/2009	121	259
9/18/2009	115	246
9/19/2009	109	233
9/20/2009	102	218
9/21/2009	98	210
9/22/2009	95	203
9/23/2009	94	201
9/24/2009	93	199
9/25/2009	92	197
9/26/2009	87	186
9/27/2009	86	184
9/28/2009	179	383
9/29/2009	283	606
9/30/2009	306	655
10/1/2009	243	520
10/2/2009	205	439
10/3/2009	176	377
10/4/2009	473	1,013
10/5/2009	561	1,201
10/6/2009	386	827
10/7/2009	391	837
10/8/2009	690	1,478
10/9/2009	563	1,206
10/10/2009	560	1,199
10/11/2009	561	1,201
10/12/2009	455	974
10/13/2009	406	869
10/14/2009	473	1,013
10/15/2009	417	893
10/16/2009	358	767
10/17/2009	314	672
10/18/2009	286	612
10/19/2009	365	782
10/20/2009	403	863
10/21/2009	375	803
10/22/2009	349	747
10/23/2009	337	722
10/24/2009	542	1,161
10/25/2009	2,910	6,232
10/26/2009	2,450	5,247
10/27/2009	1,740	3,726
10/28/2009	1,190	2,548
10/29/2009	874	1,872
10/30/2009	697	1,493
10/31/2009	592	1,268
11/1/2009	553	1,184
11/2/2009	510	1,092
11/3/2009	461	987
11/4/2009	423	906
11/5/2009	384	822
11/6/2009	360	771
11/7/2009	338	724
11/8/2009	321	687
11/9/2009	305	653
11/10/2009	291	623
11/11/2009	277	593
11/12/2009	263	563
11/13/2009	252	540
11/14/2009	245	525

Date	Gage Flow (cfs)	Prorated Flow (cfs)
11/15/2009	605	1,296
11/16/2009	1,450	3,105
11/17/2009	1,580	3,384
11/18/2009	1,220	2,613
11/19/2009	859	1,840
11/20/2009	689	1,476
11/21/2009	667	1,428
11/22/2009	615	1,317
11/23/2009	557	1,193
11/24/2009	519	1,111
11/25/2009	507	1,086
11/26/2009	492	1,054
11/27/2009	514	1,101
11/28/2009	937	2,007
11/29/2009	1,040	2,227
11/30/2009	941	2,015
12/1/2009	846	1,812
12/2/2009	716	1,533
12/3/2009	1,060	2,270
12/4/2009	1,670	3,576
12/5/2009	1,410	3,020
12/6/2009	1,170	2,506
12/7/2009	938	2,009
12/8/2009	775	1,660
12/9/2009	670	1,435
12/10/2009	766	1,640
12/11/2009	753	1,613
12/12/2009	509	1,090
12/13/2009	589	1,281
12/14/2009	704	1,508
12/15/2009	698	1,495
12/16/2009	643	1,377
12/17/2009	492	1,054
12/18/2009	437	936
12/19/2009	391	837
12/20/2009	376	805
12/21/2009	381	816
12/22/2009	388	831
12/23/2009	366	784
12/24/2009	351	752
12/25/2009	337	722
12/26/2009	322	690
12/27/2009	373	799
12/28/2009	1,000	2,142
12/29/2009	1,070	2,291
12/30/2009	847	1,814
12/31/2009	667	1,428
1/1/2010	593	1,270
1/2/2010	522	1,118
1/3/2010	505	1,081
1/4/2010	594	1,272
1/5/2010	632	1,353
1/6/2010	589	1,261
1/7/2010	538	1,152
1/8/2010	478	1,024
1/9/2010	426	912
1/10/2010	387	829
1/11/2010	359	769
1/12/2010	337	722
1/13/2010	317	679
1/14/2010	302	647
1/15/2010	291	623
1/16/2010	308	660
1/17/2010	298	638
1/18/2010	284	608
1/19/2010	276	591
1/20/2010	278	595
1/21/2010	284	608
1/22/2010	269	576
1/23/2010	256	548
1/24/2010	247	529
1/25/2010	305	653
1/26/2010	1,740	3,726
1/27/2010	2,280	4,883
1/28/2010	2,210	4,733
1/29/2010	1,800	3,855
1/30/2010	1,210	2,591
1/31/2010	868	1,859
2/1/2010	691	1,480
2/2/2010	595	1,274
2/3/2010	518	1,109
2/4/2010	495	1,060
2/5/2010	445	953
2/6/2010	403	863
2/7/2010	370	792
2/8/2010	360	771
2/9/2010	355	760
2/10/2010	349	747
2/11/2010	343	735
2/12/2010	334	715
2/13/2010	329	705
2/14/2010	319	683
2/15/2010	309	662
2/16/2010	300	642
2/17/2010	297	636
2/18/2010	300	642
2/19/2010	315	675
2/20/2010	314	672
2/21/2010	315	675
2/22/2010	307	657
2/23/2010	312	668
2/24/2010	328	702
2/25/2010	469	1,004
2/26/2010	1,500	3,212
2/27/2010	2,120	4,540
2/28/2010	2,140	4,583
3/1/2010	2,080	4,454
3/2/2010	2,010	4,305
3/3/2010	1,650	3,534
3/4/2010	1,300	2,784
3/5/2010	1,030	2,206
3/6/2010	861	1,844
3/7/2010	775	1,660
3/8/2010	735	1,574
3/9/2010	726	1,555
3/10/2010	692	1,482
3/11/2010	637	1,364
3/12/2010	590	1,264
3/13/2010	551	1,180
3/14/2010	528	1,131

Date	Gage Flow (cfs)	Prorated Flow (cfs)
3/15/2010	524	1,122
3/16/2010	527	1,129
3/17/2010	530	1,135
3/18/2010	527	1,129
3/19/2010	527	1,129
3/20/2010	535	1,146
3/21/2010	530	1,135
3/22/2010	521	1,116
3/23/2010	693	1,484
3/24/2010	1,790	3,833
3/25/2010	1,830	3,919
3/26/2010	1,550	3,319
3/27/2010	1,180	2,527
3/28/2010	900	1,927
3/29/2010	869	1,861
3/30/2010	2,910	6,232
3/31/2010	4,510	9,658
4/1/2010	4,050	8,673
4/2/2010	2,840	6,082
4/3/2010	1,960	4,197
4/4/2010	1,440	3,084
4/5/2010	1,120	2,399
4/6/2010	920	1,970
4/7/2010	900	1,927
4/8/2010	937	2,007
4/9/2010	828	1,773
4/10/2010	1,560	3,341
4/11/2010	1,520	3,255
4/12/2010	1,260	2,698
4/13/2010	990	2,120
4/14/2010	802	1,718
4/15/2010	679	1,454
4/16/2010	596	1,276
4/17/2010	539	1,154
4/18/2010	496	1,062
4/19/2010	474	1,015
4/20/2010	456	977
4/21/2010	430	921
4/22/2010	410	878
4/23/2010	395	846
4/24/2010	397	850
4/25/2010	393	842
4/26/2010	374	801
4/27/2010	351	752
4/28/2010	338	724
4/29/2010	384	822
4/30/2010	389	833
5/1/2010	362	775
5/2/2010	333	713
5/3/2010	309	662
5/4/2010	290	621
5/5/2010	273	585
5/6/2010	263	563
5/7/2010	268	574
5/8/2010	246	527
5/9/2010	286	612
5/10/2010	287	615
5/11/2010	268	574
5/12/2010	247	529
5/13/2010	229	490
5/14/2010	210	450
5/15/2010	199	426
5/16/2010	187	400
5/17/2010	172	368
5/18/2010	162	347
5/19/2010	206	441
5/20/2010	621	1,330
5/21/2010	504	1,079
5/22/2010	388	831
5/23/2010	313	670
5/24/2010	261	559
5/25/2010	227	486
5/26/2010	211	452
5/27/2010	193	413
5/28/2010	168	360
5/29/2010	153	328
5/30/2010	143	306
5/31/2010	132	283
6/1/2010	129	276
6/2/2010	149	319
6/3/2010	166	355
6/4/2010	196	420
6/5/2010	229	490
6/6/2010	653	1,398
6/7/2010	1,510	3,234
6/8/2010	846	1,812
6/9/2010	579	1,240
6/10/2010	426	912
6/11/2010	335	717
6/12/2010	273	585
6/13/2010	231	495
6/14/2010	204	437
6/15/2010	185	396
6/16/2010	161	345
6/17/2010	167	358
6/18/2010	178	381
6/19/2010	161	345
6/20/2010	145	311
6/21/2010	139	298
6/22/2010	129	276
6/23/2010	131	281
6/24/2010	175	375
6/25/2010	179	383
6/26/2010	171	366
6/27/2010	153	328
6/28/2010	163	349
6/29/2010	208	445
6/30/2010	184	394
7/1/2010	159	341
7/2/2010	139	298
7/3/2010	125	268
7/4/2010	116	248
7/5/2010	108	231
7/6/2010	103	221
7/7/2010	99	212
7/8/2010	93	199
7/9/2010	88	188
7/10/2010	84	180
7/11/2010	89	191
7/12/2010	92	197

Date	Gage Flow (cfs)	Prorated Flow (cfs)
7/13/2010	93	199
7/14/2010	104	223
7/15/2010	118	253
7/16/2010	99	212
7/17/2010	92	197
7/18/2010	84	180
7/19/2010	76	163
7/20/2010	72	154
7/21/2010	71	152
7/22/2010	87	186
7/23/2010	90	193
7/24/2010	80	171
7/25/2010	106	227
7/26/2010	142	304
7/27/2010	102	218
7/28/2010	83	178
7/29/2010	75	161
7/30/2010	69	148
7/31/2010	63	135
8/1/2010	59	126
8/2/2010	56	120
8/3/2010	55	118
8/4/2010	62	133
8/5/2010	80	171
8/6/2010	77	165
8/7/2010	75	161
8/8/2010	66	141
8/9/2010	59	126
8/10/2010	62	133
8/11/2010	62	133
8/12/2010	57	122
8/13/2010	53	114
8/14/2010	50	107
8/15/2010	48	103
8/16/2010	46	99
8/17/2010	48	103
8/18/2010	47	101
8/19/2010	45	96
8/20/2010	45	96
8/21/2010	47	101
8/22/2010	43	92
8/23/2010	42	90
8/24/2010	41	88
8/25/2010	45	96
8/26/2010	74	158
8/27/2010	71	152
8/28/2010	58	124
8/29/2010	50	107
8/30/2010	46	99
8/31/2010	43	92
9/1/2010	41	88
9/2/2010	39	84
9/3/2010	37	79
9/4/2010	80	171
9/5/2010	164	351
9/6/2010	106	227
9/7/2010	81	173
9/8/2010	72	154
9/9/2010	69	148
9/10/2010	71	152
9/11/2010	67	143
9/12/2010	61	131
9/13/2010	56	120
9/14/2010	58	124
9/15/2010	95	203
9/16/2010	103	221
9/17/2010	182	390
9/18/2010	238	510
9/19/2010	149	319
9/20/2010	110	236
9/21/2010	90	193
9/22/2010	76	163
9/23/2010	67	143
9/24/2010	63	135
9/25/2010	66	141
9/26/2010	68	146
9/27/2010	63	135
9/28/2010	63	135
9/29/2010	72	154
9/30/2010	75	161
10/1/2010	77	165
10/2/2010	315	675
10/3/2010	371	795
10/4/2010	261	559
10/5/2010	196	420
10/6/2010	159	341
10/7/2010	234	501
10/8/2010	248	531
10/9/2010	193	413
10/10/2010	151	323
10/11/2010	125	268
10/12/2010	108	231
10/13/2010	98	210
10/14/2010	90	193
10/15/2010	250	535
10/16/2010	857	1,835
10/17/2010	772	1,653
10/18/2010	593	1,270
10/19/2010	441	944
10/20/2010	338	724
10/21/2010	280	600
10/22/2010	293	627
10/23/2010	284	608
10/24/2010	252	540
10/25/2010	227	486
10/26/2010	580	1,242
10/27/2010	877	1,878
10/28/2010	1,290	2,763
10/29/2010	1,090	2,334
10/30/2010	797	1,707
10/31/2010	614	1,315
11/1/2010	531	1,137
11/2/2010	445	953
11/3/2010	377	807
11/4/2010	351	752
11/5/2010	1,510	3,234
11/6/2010	1,910	4,090
11/7/2010	1,460	3,127
11/8/2010	1,950	4,176
11/9/2010	2,280	4,883

Date	Gage Flow (cfs)	Prorated Flow (cfs)
11/10/2010	1,900	4,069
11/11/2010	1,440	3,084
11/12/2010	1,060	2,270
11/13/2010	838	1,795
11/14/2010	695	1,488
11/15/2010	597	1,279
11/16/2010	546	1,169
11/17/2010	702	1,503
11/18/2010	1,180	2,527
11/19/2010	1,020	2,184
11/20/2010	827	1,771
11/21/2010	667	1,428
11/22/2010	563	1,206
11/23/2010	544	1,165
11/24/2010	552	1,182
11/25/2010	514	1,101
11/26/2010	482	1,032
11/27/2010	474	1,015
11/28/2010	436	934
11/29/2010	395	846
11/30/2010	366	784
12/1/2010	350	750
12/2/2010	835	1,788
12/3/2010	1,290	2,763
12/4/2010	1,270	2,720
12/5/2010	1,300	2,784
12/6/2010	1,220	2,613
12/7/2010	1,060	2,270
12/8/2010	875	1,874
12/9/2010	713	1,527
12/10/2010	565	1,210
12/11/2010	540	1,156
12/12/2010	502	1,075
12/13/2010	2,420	5,183
12/14/2010	6,160	13,192
12/15/2010	5,640	12,078
12/16/2010	3,680	7,881
12/17/2010	2,310	4,947
12/18/2010	1,630	3,491
12/19/2010	1,250	2,677
12/20/2010	1,050	2,249
12/21/2010	962	2,060
12/22/2010	1,030	2,206
12/23/2010	1,010	2,163
12/24/2010	910	1,949
12/25/2010	706	1,512
12/26/2010	604	1,293
12/27/2010	557	1,193
12/28/2010	534	1,144
12/29/2010	520	1,114
12/30/2010	506	1,084
12/31/2010	501	1,073
1/1/2011	496	1,062
1/2/2011	488	1,045
1/3/2011	537	1,150
1/4/2011	497	1,064
1/5/2011	455	974
1/6/2011	417	893
1/7/2011	374	801
1/8/2011	378	810
1/9/2011	363	777
1/10/2011	339	726
1/11/2011	325	696
1/12/2011	311	666
1/13/2011	319	683
1/14/2011	327	700
1/15/2011	303	649
1/16/2011	294	630
1/17/2011	288	617
1/18/2011	286	612
1/19/2011	385	824
1/20/2011	464	994
1/21/2011	446	955
1/22/2011	419	897
1/23/2011	396	848
1/24/2011	376	805
1/25/2011	363	777
1/26/2011	346	741
1/27/2011	321	687
1/28/2011	309	662
1/29/2011	296	634
1/30/2011	286	612
1/31/2011	276	591
2/1/2011	272	583
2/2/2011	268	574
2/3/2011	267	572
2/4/2011	267	572
2/5/2011	277	593
2/6/2011	304	651
2/7/2011	391	837
2/8/2011	362	775
2/9/2011	360	771
2/10/2011	330	707
2/11/2011	310	664
2/12/2011	298	638
2/13/2011	282	604
2/14/2011	274	587
2/15/2011	276	591
2/16/2011	266	570
2/17/2011	257	550
2/18/2011	255	546
2/19/2011	262	561
2/20/2011	256	548
2/21/2011	253	542
2/22/2011	246	527
2/23/2011	239	512
2/24/2011	229	490
2/25/2011	227	486
2/26/2011	232	497
2/27/2011	248	531
2/28/2011	244	523
3/1/2011	258	553
3/2/2011	261	559
3/3/2011	258	553
3/4/2011	256	548
3/5/2011	246	527
3/6/2011	346	741
3/7/2011	1,220	2,613
3/8/2011	1,990	4,262
3/9/2011	1,900	4,069

Date	Gage Flow (cfs)	Prorated Flow (cfs)
3/10/2011	1,810	3,876
3/11/2011	1,810	3,876
3/12/2011	3,080	6,596
3/13/2011	3,660	7,838
3/14/2011	3,430	7,346
3/15/2011	2,740	5,868
3/16/2011	2,150	4,604
3/17/2011	1,910	4,090
3/18/2011	1,890	4,048
3/19/2011	2,130	4,562
3/20/2011	1,940	4,155
3/21/2011	1,590	3,405
3/22/2011	1,310	2,805
3/23/2011	1,160	2,484
3/24/2011	1,070	2,291
3/25/2011	951	2,037
3/26/2011	846	1,812
3/27/2011	750	1,606
3/28/2011	677	1,450
3/29/2011	624	1,336
3/30/2011	614	1,315
3/31/2011	622	1,332
4/1/2011	660	1,413
4/2/2011	746	1,598
4/3/2011	870	1,863
4/4/2011	951	2,037
4/5/2011	1,220	2,613
4/6/2011	1,590	3,405
4/7/2011	1,520	3,255
4/8/2011	1,320	2,827
4/9/2011	1,120	2,399
4/10/2011	1,030	2,206
4/11/2011	1,060	2,270
4/12/2011	1,220	2,613
4/13/2011	1,350	2,891
4/14/2011	1,600	3,426
4/15/2011	1,590	3,405
4/16/2011	1,480	3,170
4/17/2011	1,600	3,426
4/18/2011	2,230	4,776
4/19/2011	2,130	4,562
4/20/2011	1,220	3,683
4/21/2011	1,380	2,955
4/22/2011	1,150	2,463
4/23/2011	988	2,116
4/24/2011	941	2,015
4/25/2011	865	1,852
4/26/2011	847	1,814
4/27/2011	925	1,981
4/28/2011	892	1,910
4/29/2011	849	1,818
4/30/2011	752	1,610
5/1/2011	658	1,409
5/2/2011	570	1,221
5/3/2011	504	1,079
5/4/2011	458	981
5/5/2011	643	1,377
5/6/2011	817	1,750
5/7/2011	751	1,608
5/8/2011	656	1,405
5/9/2011	560	1,199
5/10/2011	522	1,118
5/11/2011	553	1,184
5/12/2011	528	1,131
5/13/2011	484	1,037
5/14/2011	432	925
5/15/2011	463	992
5/16/2011	1,250	2,677
5/17/2011	1,520	3,255
5/18/2011	1,400	2,998
5/19/2011	1,120	2,399
5/20/2011	918	1,966
5/21/2011	787	1,685
5/22/2011	674	1,443
5/23/2011	580	1,242
5/24/2011	688	1,473
5/25/2011	837	1,792
5/26/2011	734	1,572
5/27/2011	616	1,319
5/28/2011	530	1,135
5/29/2011	467	1,000
5/30/2011	455	974
5/31/2011	458	981
6/1/2011	412	882
6/2/2011	381	816
6/3/2011	342	732
6/4/2011	309	662
6/5/2011	284	608
6/6/2011	264	565
6/7/2011	243	520
6/8/2011	224	480
6/9/2011	239	512
6/10/2011	330	707
6/11/2011	359	769
6/12/2011	302	647
6/13/2011	291	623
6/14/2011	300	642
6/15/2011	374	801
6/16/2011	371	795
6/17/2011	311	666
6/18/2011	265	568
6/19/2011	245	525
6/20/2011	219	469
6/21/2011	194	415
6/22/2011	174	373
6/23/2011	158	338
6/24/2011	147	315
6/25/2011	165	353
6/26/2011	302	647
6/27/2011	298	638
6/28/2011	250	535
6/29/2011	210	450
6/30/2011	191	409
7/1/2011	175	375
7/2/2011	159	341
7/3/2011	150	321
7/4/2011	138	296
7/5/2011	135	285
7/6/2011	125	268
7/7/2011	116	248

Date	Gage Flow (cfs)	Prorated Flow (cfs)
7/8/2011	109	233
7/9/2011	147	315
7/10/2011	259	555
7/11/2011	219	469
7/12/2011	178	381
7/13/2011	163	349
7/14/2011	148	317
7/15/2011	131	281
7/16/2011	119	255
7/17/2011	109	233
7/18/2011	102	218
7/19/2011	98	210
7/20/2011	92	197
7/21/2011	86	184
7/22/2011	83	178
7/23/2011	81	173
7/24/2011	77	165
7/25/2011	72	154
7/26/2011	71	152
7/27/2011	75	161
7/28/2011	77	165
7/29/2011	74	158
7/30/2011	82	176
7/31/2011	106	227
8/1/2011	95	203
8/2/2011	133	285
8/3/2011	189	405
8/4/2011	173	370
8/5/2011	154	330
8/6/2011	133	285
8/7/2011	134	287
8/8/2011	291	623
8/9/2011	306	655
8/10/2011	254	544
8/11/2011	229	490
8/12/2011	198	424
8/13/2011	162	347
8/14/2011	135	289
8/15/2011	119	255
8/16/2011	126	270
8/17/2011	167	358
8/18/2011	178	381
8/19/2011	168	360
8/20/2011	146	313
8/21/2011	126	270
8/22/2011	137	293
8/23/2011	248	531
8/24/2011	234	501
8/25/2011	212	454
8/26/2011	229	490
8/27/2011	279	597
8/28/2011	371	795
8/29/2011	736	1,576
8/30/2011	674	1,443
8/31/2011	508	1,088
9/1/2011	371	795
9/2/2011	288	617
9/3/2011	233	499
9/4/2011	200	428
9/5/2011	177	379
9/6/2011	170	364
9/7/2011	165	353
9/8/2011	168	360
9/9/2011	173	370
9/10/2011	160	343
9/11/2011	140	300
9/12/2011	124	266
9/13/2011	114	244
9/14/2011	106	227
9/15/2011	101	216
9/16/2011	102	218
9/17/2011	103	221
9/18/2011	107	229
9/19/2011	107	229
9/20/2011	101	216
9/21/2011	96	206
9/22/2011	95	203
9/23/2011	94	201
9/24/2011	114	244
9/25/2011	164	351
9/26/2011	157	336
9/27/2011	142	304
9/28/2011	125	268
9/29/2011	111	238
9/30/2011	108	231
10/1/2011	119	255
10/2/2011	182	390
10/3/2011	231	495
10/4/2011	338	724
10/5/2011	484	1,037
10/6/2011	459	983
10/7/2011	385	824
10/8/2011	320	685
10/9/2011	270	578
10/10/2011	233	499
10/11/2011	200	428
10/12/2011	170	364
10/13/2011	158	338
10/14/2011	222	475
10/15/2011	730	1,563
10/16/2011	719	1,540
10/17/2011	567	1,214
10/18/2011	465	996
10/19/2011	372	797
10/20/2011	687	1,471
10/21/2011	995	2,131
10/22/2011	757	1,621
10/23/2011	587	1,257
10/24/2011	465	996
10/25/2011	397	850
10/26/2011	378	810
10/27/2011	331	709
10/28/2011	301	645
10/29/2011	276	591
10/30/2011	359	769
10/31/2011	602	1,289
11/1/2011	526	1,126
11/2/2011	448	959
11/3/2011	396	848
11/4/2011	362	775

Date	Gage Flow (cfs)	Prorated Flow (cfs)
11/5/2011	328	702
11/6/2011	304	651
11/7/2011	283	606
11/8/2011	268	574
11/9/2011	256	548
11/10/2011	251	538
11/11/2011	821	1,758
11/12/2011	1,130	2,420
11/13/2011	916	1,962
11/14/2011	719	1,540
11/15/2011	580	1,242
11/16/2011	475	1,017
11/17/2011	515	1,103
11/18/2011	511	1,094
11/19/2011	447	957
11/20/2011	397	850
11/21/2011	358	767
11/22/2011	318	681
11/23/2011	317	679
11/24/2011	338	724
11/25/2011	319	683
11/26/2011	329	705
11/27/2011	360	771
11/28/2011	570	1,221
11/29/2011	747	1,600
11/30/2011	694	1,486
12/1/2011	690	1,478
12/2/2011	588	1,259
12/3/2011	500	1,071
12/4/2011	426	912
12/5/2011	381	816
12/6/2011	359	769
12/7/2011	499	1,069
12/8/2011	1,230	2,634
12/9/2011	1,530	3,277
12/10/2011	1,370	2,934
12/11/2011	1,030	2,206
12/12/2011	764	1,636
12/13/2011	621	1,330
12/14/2011	532	1,139
12/15/2011	486	1,041
12/16/2011	658	1,409
12/17/2011	672	1,439
12/18/2011	592	1,268
12/19/2011	465	996
12/20/2011	454	972
12/21/2011	368	788
12/22/2011	563	1,206
12/23/2011	604	1,293
12/24/2011	538	1,152
12/25/2011	422	904
12/26/2011	422	904
12/27/2011	386	827
12/28/2011	989	2,118
12/29/2011	1,310	2,805
12/30/2011	1,070	2,291
12/31/2011	979	2,097
1/1/2012	901	1,930
1/2/2012	910	1,949
1/3/2012	886	1,897
1/4/2012	567	1,214
1/5/2012	552	1,182
1/6/2012	476	1,019
1/7/2012	464	994
1/8/2012	428	917
1/9/2012	381	816
1/10/2012	338	724
1/11/2012	300	642
1/12/2012	272	583
1/13/2012	300	642
1/14/2012	328	702
1/15/2012	273	585
1/16/2012	243	520
1/17/2012	262	561
1/18/2012	318	681
1/19/2012	287	615
1/20/2012	259	555
1/21/2012	250	535
1/22/2012	239	512
1/23/2012	245	525
1/24/2012	411	880
1/25/2012	601	1,287
1/26/2012	481	1,030
1/27/2012	450	964
1/28/2012	838	1,795
1/29/2012	792	1,696
1/30/2012	636	1,362
1/31/2012	484	1,037
2/1/2012	414	887
2/2/2012	402	861
2/3/2012	356	762
2/4/2012	316	677
2/5/2012	287	615
2/6/2012	272	583
2/7/2012	263	563
2/8/2012	246	527
2/9/2012	239	512
2/10/2012	232	497
2/11/2012	229	490
2/12/2012	224	480
2/13/2012	218	467
2/14/2012	204	437
2/15/2012	205	439
2/16/2012	196	420
2/17/2012	209	448
2/18/2012	243	520
2/19/2012	246	527
2/20/2012	235	503
2/21/2012	214	458
2/22/2012	218	467
2/23/2012	254	544
2/24/2012	357	765
2/25/2012	569	1,219
2/26/2012	625	1,338
2/27/2012	433	927
2/28/2012	346	741
2/29/2012	292	625
3/1/2012	259	555
3/2/2012	245	525
3/3/2012	314	672

Date	Gage Flow (cfs)	Prorated Flow (cfs)
3/4/2012	640	1,371
3/5/2012	553	1,184
3/6/2012	429	919
3/7/2012	354	758
3/8/2012	429	919
3/9/2012	1,240	2,656
3/10/2012	1,280	2,741
3/11/2012	991	2,122
3/12/2012	769	1,647
3/13/2012	700	1,499
3/14/2012	731	1,565
3/15/2012	672	1,439
3/16/2012	576	1,234
3/17/2012	562	1,204
3/18/2012	652	1,396
3/19/2012	751	1,608
3/20/2012	829	1,775
3/21/2012	857	1,835
3/22/2012	878	1,880
3/23/2012	879	1,882
3/24/2012	792	1,696
3/25/2012	685	1,467
3/26/2012	664	1,422
3/27/2012	577	1,236
3/28/2012	497	1,064
3/29/2012	461	987
3/30/2012	435	932
3/31/2012	413	884
4/1/2012	386	827
4/2/2012	366	784
4/3/2012	349	747
4/4/2012	329	705
4/5/2012	316	677
4/6/2012	302	647
4/7/2012	290	621
4/8/2012	281	602
4/9/2012	307	657
4/10/2012	348	745
4/11/2012	365	782
4/12/2012	360	771
4/13/2012	367	786
4/14/2012	350	750
4/15/2012	322	690
4/16/2012	302	647
4/17/2012	289	619
4/18/2012	278	595
4/19/2012	261	559
4/20/2012	248	531
4/21/2012	241	516
4/22/2012	261	559
4/23/2012	1,260	2,698
4/24/2012	3,760	8,052
4/25/2012	3,510	7,517
4/26/2012	2,620	5,611
4/27/2012	1,840	3,940
4/28/2012	1,660	3,555
4/29/2012	1,350	2,891
4/30/2012	1,070	2,291
5/1/2012	859	1,840
5/2/2012	799	1,711
5/3/2012	718	1,538
5/4/2012	636	1,362
5/5/2012	591	1,266
5/6/2012	555	1,189
5/7/2012	493	1,056
5/8/2012	439	940
5/9/2012	352	1,182
5/10/2012	1,520	3,255
5/11/2012	2,670	5,718
5/12/2012	2,240	4,797
5/13/2012	1,630	3,491
5/14/2012	1,140	2,441
5/15/2012	894	1,915
5/16/2012	1,250	2,677
5/17/2012	1,450	3,105
5/18/2012	1,120	2,399
5/19/2012	916	1,962
5/20/2012	737	1,578
5/21/2012	598	1,281
5/22/2012	502	1,075
5/23/2012	452	968
5/24/2012	410	878
5/25/2012	366	784
5/26/2012	342	732
5/27/2012	313	670
5/28/2012	289	619
5/29/2012	423	906
5/30/2012	850	1,820
5/31/2012	751	1,608
6/1/2012	609	1,304
6/2/2012	491	1,052
6/3/2012	419	897
6/4/2012	765	1,638
6/5/2012	917	1,964
6/6/2012	757	1,621
6/7/2012	590	1,264
6/8/2012	469	1,004
6/9/2012	397	850
6/10/2012	338	724
6/11/2012	296	634
6/12/2012	267	572
6/13/2012	249	533
6/14/2012	265	568
6/15/2012	248	531
6/16/2012	225	482
6/17/2012	205	439
6/18/2012	186	398
6/19/2012	172	368
6/20/2012	162	347
6/21/2012	153	328
6/22/2012	153	328
6/23/2012	179	383
6/24/2012	254	544
6/25/2012	422	904
6/26/2012	696	1,491
6/27/2012	1,260	2,698
6/28/2012	1,280	2,741
6/29/2012	1,180	2,527
6/30/2012	1,010	2,163
7/1/2012	719	1,540

Date	Gage Flow (cfs)	Prorated Flow (cfs)
7/2/2012	538	1,152
7/3/2012	416	891
7/4/2012	355	717
7/5/2012	295	632
7/6/2012	265	588
7/7/2012	254	544
7/8/2012	243	520
7/9/2012	213	456
7/10/2012	187	400
7/11/2012	169	362
7/12/2012	154	330
7/13/2012	142	304
7/14/2012	133	285
7/15/2012	138	296
7/16/2012	135	285
7/17/2012	125	263
7/18/2012	130	278
7/19/2012	129	276
7/20/2012	116	248
7/21/2012	102	218
7/22/2012	97	208
7/23/2012	93	199
7/24/2012	118	253
7/25/2012	194	415
7/26/2012	164	351
7/27/2012	141	302
7/28/2012	127	272
7/29/2012	122	261
7/30/2012	145	306
7/31/2012	135	289
8/1/2012	137	293
8/2/2012	191	409
8/3/2012	240	514
8/4/2012	205	439
8/5/2012	168	360
8/6/2012	145	311
8/7/2012	126	270
8/8/2012	110	236
8/9/2012	100	214
8/10/2012	95	199
8/11/2012	96	206
8/12/2012	99	212
8/13/2012	103	221
8/14/2012	102	218
8/15/2012	96	206
8/16/2012	618	1,323
8/17/2012	1,920	4,112
8/18/2012	1,330	2,848
8/19/2012	893	1,912
8/20/2012	565	1,210
8/21/2012	384	822
8/22/2012	289	619
8/23/2012	256	505
8/24/2012	199	426
8/25/2012	168	360
8/26/2012	146	313
8/27/2012	129	276
8/28/2012	119	255
8/29/2012	120	257
8/30/2012	107	229
8/31/2012	96	206
9/1/2012	90	193
9/2/2012	84	180
9/3/2012	80	171
9/4/2012	80	171
9/5/2012	425	910
9/6/2012	1,090	2,334
9/7/2012	890	1,906
9/8/2012	636	1,362
9/9/2012	492	1,054
9/10/2012	390	835
9/11/2012	298	638
9/12/2012	245	525
9/13/2012	208	445
9/14/2012	179	383
9/15/2012	160	343
9/16/2012	143	306
9/17/2012	126	270
9/18/2012	114	244
9/19/2012	131	281
9/20/2012	164	351
9/21/2012	152	326
9/22/2012	147	315
9/23/2012	144	308
9/24/2012	134	287
9/25/2012	121	259
9/26/2012	110	236
9/27/2012	110	236
9/28/2012	106	227
9/29/2012	157	336
9/30/2012	504	1,079
10/1/2012	1,430	3,062
10/2/2012	1,160	2,484
10/3/2012	817	1,750
10/4/2012	557	1,193
10/5/2012	471	1,009
10/6/2012	432	925
10/7/2012	431	923
10/8/2012	488	1,045
10/9/2012	506	1,084
10/10/2012	446	955
10/11/2012	565	1,210
10/12/2012	576	1,234
10/13/2012	541	1,159
10/14/2012	497	1,064
10/15/2012	540	1,156
10/16/2012	554	1,186
10/17/2012	643	1,377
10/18/2012	565	1,210
10/19/2012	487	1,043
10/20/2012	1,100	2,356
10/21/2012	1,930	4,133
10/22/2012	1,860	3,983
10/23/2012	1,440	3,084
10/24/2012	985	2,109
10/25/2012	726	1,555
10/26/2012	586	1,255
10/27/2012	515	1,099
10/28/2012	457	979
10/29/2012	419	897

Date	Gage Flow (cfs)	Prorated Flow (cfs)
10/30/2012	673	1,441
10/31/2012	1,640	3,512
11/1/2012	1,990	4,262
11/2/2012	1,880	4,026
11/3/2012	1,400	2,998
11/4/2012	1,020	2,184
11/5/2012	786	1,683
11/6/2012	643	1,377
11/7/2012	553	1,184
11/8/2012	667	1,428
11/9/2012	1,830	3,919
11/10/2012	1,780	3,812
11/11/2012	1,490	3,191
11/12/2012	1,120	2,399
11/13/2012	899	1,925
11/14/2012	804	1,722
11/15/2012	710	1,521
11/16/2012	638	1,366
11/17/2012	573	1,227
11/18/2012	513	1,099
11/19/2012	468	1,002
11/20/2012	436	934
11/21/2012	411	880
11/22/2012	392	839
11/23/2012	377	807
11/24/2012	368	788
11/25/2012	360	771
11/26/2012	334	715
11/27/2012	312	668
11/28/2012	299	640
11/29/2012	289	619
11/30/2012	271	580
12/1/2012	235	503
12/2/2012	268	574
12/3/2012	342	732
12/4/2012	376	805
12/5/2012	391	837
12/6/2012	412	882
12/7/2012	378	810
12/8/2012	380	814
12/9/2012	461	987
12/10/2012	461	987
12/11/2012	580	1,242
12/12/2012	557	1,193
12/13/2012	461	987
12/14/2012	403	863
12/15/2012	351	752
12/16/2012	274	587
12/17/2012	295	632
12/18/2012	309	662
12/19/2012	612	1,311
12/20/2012	815	1,745
12/21/2012	776	1,662
12/22/2012	2,060	4,412
12/23/2012	2,220	4,754
12/24/2012	1,760	3,769
12/25/2012	1,200	2,570
12/26/2012	830	1,777
12/27/2012	605	1,296
12/28/2012	487	1,043
12/29/2012	433	927
12/30/2012	399	854
12/31/2012	374	801
1/1/2013	351	752
1/2/2013	339	726
1/3/2013	326	698
1/4/2013	321	687
1/5/2013	309	662
1/6/2013	300	642
1/7/2013	288	617
1/8/2013	283	606
1/9/2013	275	589
1/10/2013	270	578
1/11/2013	263	563
1/12/2013	256	548
1/13/2013	273	585
1/14/2013	384	822
1/15/2013	592	1,268
1/16/2013	583	1,249
1/17/2013	550	1,178
1/18/2013	456	977
1/19/2013	373	799
1/20/2013	344	737
1/21/2013	320	685
1/22/2013	292	625
1/23/2013	270	578
1/24/2013	256	548
1/25/2013	242	518
1/26/2013	226	484
1/27/2013	222	475
1/28/2013	211	452
1/29/2013	207	443
1/30/2013	218	467
1/31/2013	844	1,807
2/1/2013	1,440	3,084
2/2/2013	1,190	2,548
2/3/2013	958	2,052
2/4/2013	717	1,535
2/5/2013	507	1,086
2/6/2013	397	850
2/7/2013	340	728
2/8/2013	302	647
2/9/2013	278	595
2/10/2013	264	565
2/11/2013	257	550
2/12/2013	247	529
2/13/2013	262	561
2/14/2013	247	529
2/15/2013	236	505
2/16/2013	238	510
2/17/2013	231	495
2/18/2013	217	465
2/19/2013	238	510
2/20/2013	522	1,118
2/21/2013	869	1,861
2/22/2013	809	1,733
2/23/2013	722	1,546
2/24/2013	624	1,336
2/25/2013	538	1,152
2/26/2013	466	998

Date	Gage Flow (cfs)	Prorated Flow (cfs)
2/27/2013	424	908
2/28/2013	485	1,039
3/1/2013	643	1,377
3/2/2013	580	1,242
3/3/2013	567	1,214
3/4/2013	609	1,304
3/5/2013	688	1,473
3/6/2013	793	1,698
3/7/2013	711	1,523
3/8/2013	627	1,343
3/9/2013	601	1,287
3/10/2013	558	1,195
3/11/2013	535	1,146
3/12/2013	689	1,476
3/13/2013	2,860	6,125
3/14/2013	3,790	8,116
3/15/2013	2,940	6,296
3/16/2013	2,160	4,626
3/17/2013	1,520	3,255
3/18/2013	1,080	2,313
3/19/2013	866	1,855
3/20/2013	744	1,593
3/21/2013	673	1,441
3/22/2013	604	1,293
3/23/2013	558	1,195
3/24/2013	522	1,118
3/25/2013	516	1,105
3/26/2013	525	1,124
3/27/2013	593	1,270
3/28/2013	730	1,563
3/29/2013	784	1,679
3/30/2013	796	1,705
3/31/2013	789	1,690
4/1/2013	1,030	2,206
4/2/2013	1,350	2,891
4/3/2013	1,210	2,591
4/4/2013	996	2,133
4/5/2013	808	1,730
4/6/2013	708	1,516
4/7/2013	640	1,371
4/8/2013	608	1,302
4/9/2013	626	1,341
4/10/2013	805	1,724
4/11/2013	883	1,891
4/12/2013	832	1,782
4/13/2013	784	1,679
4/14/2013	780	1,670
4/15/2013	877	1,878
4/16/2013	819	1,754
4/17/2013	796	1,705
4/18/2013	745	1,595
4/19/2013	696	1,491
4/20/2013	722	1,546
4/21/2013	835	1,788
4/22/2013	809	1,733
4/23/2013	702	1,503
4/24/2013	780	1,670
4/25/2013	966	2,069
4/26/2013	834	1,786
4/27/2013	692	1,482
4/28/2013	585	1,253
4/29/2013	507	1,086
4/30/2013	447	957
5/1/2013	400	857
5/2/2013	364	780
5/3/2013	334	715
5/4/2013	311	666
5/5/2013	292	625
5/6/2013	275	589
5/7/2013	262	561
5/8/2013	249	533
5/9/2013	260	557
5/10/2013	351	752
5/11/2013	350	750
5/12/2013	373	799
5/13/2013	494	1,058
5/14/2013	496	1,062
5/15/2013	429	919
5/16/2013	399	854
5/17/2013	384	822
5/18/2013	342	732
5/19/2013	306	655
5/20/2013	337	722
5/21/2013	443	949
5/22/2013	499	1,069
5/23/2013	644	1,379
5/24/2013	1,020	2,184
5/25/2013	2,180	4,669
5/26/2013	2,220	4,754
5/27/2013	2,010	4,305
5/28/2013	1,550	3,319
5/29/2013	1,110	2,377
5/30/2013	969	2,075
5/31/2013	797	1,707
6/1/2013	651	1,394
6/2/2013	538	1,152
6/3/2013	457	979
6/4/2013	402	861
6/5/2013	345	739
6/6/2013	304	651
6/7/2013	310	664
6/8/2013	788	1,688
6/9/2013	1,170	2,506
6/10/2013	930	1,992
6/11/2013	779	1,668
6/12/2013	1,310	2,805
6/13/2013	1,350	2,891
6/14/2013	1,130	2,420
6/15/2013	897	1,921
6/16/2013	658	1,409
6/17/2013	515	1,103
6/18/2013	439	940
6/19/2013	378	810
6/20/2013	323	692
6/21/2013	287	615
6/22/2013	261	559
6/23/2013	242	518
6/24/2013	231	495
6/25/2013	222	475
6/26/2013	218	467

Date	Gage Flow (cfs)	Prorated Flow (cfs)
6/27/2013	219	469
6/28/2013	271	580
6/29/2013	494	1,058
6/30/2013	465	996
7/1/2013	398	852
7/2/2013	356	762
7/3/2013	344	737
7/4/2013	320	685
7/5/2013	285	610
7/6/2013	247	529
7/7/2013	216	463
7/8/2013	202	433
7/9/2013	196	420
7/10/2013	183	392
7/11/2013	187	400
7/12/2013	193	413
7/13/2013	212	454
7/14/2013	210	450
7/15/2013	190	407
7/16/2013	166	355
7/17/2013	145	311
7/18/2013	136	291
7/19/2013	147	315
7/20/2013	132	283
7/21/2013	123	263
7/22/2013	117	251
7/23/2013	170	364
7/24/2013	291	623
7/25/2013	234	501
7/26/2013	516	1,105
7/27/2013	1,330	2,848
7/28/2013	882	1,889
7/29/2013	642	1,375
7/30/2013	481	1,030
7/31/2013	377	807
8/1/2013	304	651
8/2/2013	275	589
8/3/2013	291	623
8/4/2013	343	735
8/5/2013	398	852
8/6/2013	319	683
8/7/2013	260	557
8/8/2013	221	473
8/9/2013	385	824
8/10/2013	2,000	4,283
8/11/2013	2,020	4,326
8/12/2013	1,410	3,020
8/13/2013	828	1,773
8/14/2013	563	1,206
8/15/2013	438	938
8/16/2013	368	788
8/17/2013	324	694
8/18/2013	283	606
8/19/2013	247	529
8/20/2013	230	471
8/21/2013	199	426
8/22/2013	180	385
8/23/2013	166	355
8/24/2013	151	323
8/25/2013	136	291
8/26/2013	128	274
8/27/2013	125	268
8/28/2013	122	261
8/29/2013	128	274
8/30/2013	152	326
8/31/2013	172	368
9/1/2013	186	398
9/2/2013	377	807
9/3/2013	1,750	3,748
9/4/2013	3,300	7,067
9/5/2013	2,900	6,211
9/6/2013	1,930	4,133
9/7/2013	1,160	2,484
9/8/2013	831	1,780
9/9/2013	796	1,705
9/10/2013	651	1,394
9/11/2013	546	1,169
9/12/2013	484	1,037
9/13/2013	450	964
9/14/2013	515	1,103
9/15/2013	562	1,204
9/16/2013	538	1,152
9/17/2013	462	989
9/18/2013	398	852
9/19/2013	347	743
9/20/2013	309	662
9/21/2013	279	597
9/22/2013	296	634
9/23/2013	466	998
9/24/2013	412	882
9/25/2013	380	814
9/26/2013	343	735
9/27/2013	309	662
9/28/2013	278	595
9/29/2013	254	544
9/30/2013	235	503
10/1/2013	220	471
10/2/2013	206	441
10/3/2013	191	409
10/4/2013	177	379
10/5/2013	169	362
10/6/2013	160	343
10/7/2013	157	336
10/8/2013	199	426
10/9/2013	203	435
10/10/2013	185	396
10/11/2013	177	379
10/12/2013	168	360
10/13/2013	159	341
10/14/2013	152	326
10/15/2013	148	317
10/16/2013	145	311
10/17/2013	149	319
10/18/2013	155	332
10/19/2013	164	351
10/20/2013	158	338
10/21/2013	149	319
10/22/2013	142	304
10/23/2013	141	302
10/24/2013	139	298

Date	Gage Flow (cfs)	Prorated Flow (cfs)
10/25/2013	134	287
10/26/2013	130	278
10/27/2013	133	285
10/28/2013	135	289
10/29/2013	131	281
10/30/2013	129	276
10/31/2013	129	276
11/1/2013	210	450
11/2/2013	323	692
11/3/2013	335	717
11/4/2013	312	668
11/5/2013	272	583
11/6/2013	241	516
11/7/2013	226	484
11/8/2013	238	510
11/9/2013	225	482
11/10/2013	211	452
11/11/2013	214	458
11/12/2013	210	450
11/13/2013	199	426
11/14/2013	188	403
11/15/2013	182	390
11/16/2013	175	375
11/17/2013	170	364
11/18/2013	265	568
11/19/2013	479	1,026
11/20/2013	428	917
11/21/2013	368	788
11/22/2013	321	687
11/23/2013	287	615
11/24/2013	252	540
11/25/2013	191	409
11/26/2013	212	454
11/27/2013	824	1,765
11/28/2013	2,650	5,675
11/29/2013	2,330	4,990
11/30/2013	1,730	3,705
12/1/2013	1,120	2,399
12/2/2013	926	1,983
12/3/2013	902	1,932
12/4/2013	802	1,718
12/5/2013	683	1,463
12/6/2013	629	1,347
12/7/2013	623	1,334
12/8/2013	543	1,163
12/9/2013	451	966
12/10/2013	403	863
12/11/2013	356	762
12/12/2013	304	651
12/13/2013	268	574
12/14/2013	240	514
12/15/2013	229	490
12/16/2013	224	480
12/17/2013	219	469
12/18/2013	216	463
12/19/2013	211	452
12/20/2013	207	443
12/21/2013	202	433
12/22/2013	233	499
12/23/2013	256	548
12/24/2013	268	574
12/25/2013	253	542
12/26/2013	236	505
12/27/2013	226	484
12/28/2013	218	467
12/29/2013	213	456
12/30/2013	208	445
12/31/2013	204	437
1/1/2014	201	430
1/2/2014	199	426
1/3/2014	197	422
1/4/2014	196	420
1/5/2014	194	415
1/6/2014	316	677
1/7/2014	1,130	2,420
1/8/2014	1,190	2,548
1/9/2014	1,130	2,420
1/10/2014	978	2,094
1/11/2014	841	1,801
1/12/2014	1,800	3,855
1/13/2014	2,220	4,754
1/14/2014	2,060	4,412
1/15/2014	2,980	6,382
1/16/2014	3,000	6,425
1/17/2014	2,530	5,418
1/18/2014	2,010	4,305
1/19/2014	1,550	3,319
1/20/2014	1,240	2,656
1/21/2014	1,010	2,163
1/22/2014	892	1,910
1/23/2014	784	1,679
1/24/2014	685	1,467
1/25/2014	611	1,308
1/26/2014	541	1,159
1/27/2014	482	1,032
1/28/2014	432	925
1/29/2014	389	833
1/30/2014	353	756
1/31/2014	324	694
2/1/2014	305	653
2/2/2014	305	653
2/3/2014	312	668
2/4/2014	292	625
2/5/2014	276	591
2/6/2014	262	561
2/7/2014	250	535
2/8/2014	239	512
2/9/2014	229	490
2/10/2014	220	471
2/11/2014	212	454
2/12/2014	205	439
2/13/2014	199	426
2/14/2014	250	535
2/15/2014	411	880
2/16/2014	396	848
2/17/2014	364	780
2/18/2014	336	720
2/19/2014	315	675
2/20/2014	307	657
2/21/2014	295	632

Date	Gage Flow (cfs)	Prorated Flow (cfs)
2/22/2014	454	972
2/23/2014	566	1,212
2/24/2014	530	1,135
2/25/2014	459	983
2/26/2014	397	850
2/27/2014	348	745
2/28/2014	311	666
3/1/2014	285	610
3/2/2014	265	568
3/3/2014	245	525
3/4/2014	234	501
3/5/2014	221	473
3/6/2014	215	460
3/7/2014	209	448
3/8/2014	206	441
3/9/2014	201	430
3/10/2014	194	415
3/11/2014	194	415
3/12/2014	206	441
3/13/2014	447	957
3/14/2014	464	994
3/15/2014	409	876
3/16/2014	435	932
3/17/2014	381	816
3/18/2014	342	732
3/19/2014	313	670
3/20/2014	441	944
3/21/2014	839	1,797
3/22/2014	737	1,578
3/23/2014	566	1,212
3/24/2014	477	1,022
3/25/2014	399	854
3/26/2014	347	743
3/27/2014	319	683
3/28/2014	308	660
3/29/2014	456	977
3/30/2014	1,340	2,870
3/31/2014	3,140	6,724
4/1/2014	2,310	4,947
4/2/2014	1,970	4,219
4/3/2014	1,690	3,619
4/4/2014	1,410	3,020
4/5/2014	1,580	3,384
4/6/2014	1,880	4,026
4/7/2014	1,850	3,962
4/8/2014	2,570	5,504
4/9/2014	3,590	7,688
4/10/2014	3,250	6,960
4/11/2014	2,800	5,996
4/12/2014	2,540	5,440
4/13/2014	2,380	5,097
4/14/2014	2,270	4,861
4/15/2014	2,220	4,754
4/16/2014	2,680	7,881
4/17/2014	4,390	9,401
4/18/2014	3,340	7,153
4/19/2014	2,270	4,861
4/20/2014	1,690	3,619
4/21/2014	1,370	2,934
4/22/2014	1,160	2,484
4/23/2014	1,060	2,270
4/24/2014	1,210	2,591
4/25/2014	1,260	2,698
4/26/2014	1,180	2,527
4/27/2014	1,180	2,527
4/28/2014	1,130	2,420
4/29/2014	1,000	2,142
4/30/2014	870	1,863
5/1/2014	913	1,955
5/2/2014	1,300	2,784
5/3/2014	1,230	2,634
5/4/2014	1,060	2,270
5/5/2014	952	2,039
5/6/2014	831	1,780
5/7/2014	722	1,546
5/8/2014	625	1,338
5/9/2014	548	1,174
5/10/2014	510	1,092
5/11/2014	546	1,169
5/12/2014	512	1,096
5/13/2014	464	994
5/14/2014	414	887
5/15/2014	383	820
5/16/2014	363	777
5/17/2014	356	762
5/18/2014	436	934
5/19/2014	528	1,131
5/20/2014	835	1,788
5/21/2014	854	1,829
5/22/2014	724	1,550
5/23/2014	609	1,304
5/24/2014	518	1,109
5/25/2014	452	968
5/26/2014	402	861
5/27/2014	366	784
5/28/2014	339	726
5/29/2014	315	675
5/30/2014	292	625
5/31/2014	269	576
6/1/2014	246	527
6/2/2014	229	490
6/3/2014	215	460
6/4/2014	203	435
6/5/2014	211	452
6/6/2014	386	827
6/7/2014	474	1,015
6/8/2014	404	865
6/9/2014	339	726
6/10/2014	285	610
6/11/2014	246	527
6/12/2014	216	463
6/13/2014	201	430
6/14/2014	503	1,077
6/15/2014	540	1,156
6/16/2014	409	876
6/17/2014	318	681
6/18/2014	332	711
6/19/2014	401	859
6/20/2014	353	756
6/21/2014	296	634

Date	Gage Flow (cfs)	Prorated Flow (cfs)
6/22/2014	250	535
6/23/2014	218	467
6/24/2014	191	409
6/25/2014	179	383
6/26/2014	367	786
6/27/2014	667	1,428
6/28/2014	529	1,133
6/29/2014	409	876
6/30/2014	316	677
7/1/2014	254	544
7/2/2014	213	456
7/3/2014	186	398
7/4/2014	169	362
7/5/2014	909	1,947
7/6/2014	1,910	4,090
7/7/2014	1,580	3,384
7/8/2014	1,110	2,377
7/9/2014	708	1,516
7/10/2014	506	1,084
7/11/2014	390	835
7/12/2014	319	683
7/13/2014	272	583
7/14/2014	243	520
7/15/2014	262	561
7/16/2014	467	1,000
7/17/2014	1,040	2,227
7/18/2014	1,060	2,270
7/19/2014	822	1,760
7/20/2014	574	1,229
7/21/2014	433	927
7/22/2014	345	739
7/23/2014	291	623
7/24/2014	278	595
7/25/2014	272	583
7/26/2014	233	499
7/27/2014	208	445
7/28/2014	200	428
7/29/2014	220	471
7/30/2014	217	465
7/31/2014	196	420
8/1/2014	176	377
8/2/2014	161	345
8/3/2014	149	319
8/4/2014	139	298
8/5/2014	130	278
8/6/2014	167	358
8/7/2014	224	480
8/8/2014	211	452
8/9/2014	204	437
8/10/2014	156	334
8/11/2014	131	281
8/12/2014	114	244
8/13/2014	109	233
8/14/2014	168	360
8/15/2014	221	473
8/16/2014	183	392
8/17/2014	161	345
8/18/2014	148	317
8/19/2014	133	285
8/20/2014	121	259
8/21/2014	111	238
8/22/2014	105	225
8/23/2014	101	216
8/24/2014	95	203
8/25/2014	90	193
8/26/2014	86	184
8/27/2014	82	176
8/28/2014	80	171
8/29/2014	75	161
8/30/2014	69	148
8/31/2014	66	141
9/1/2014	71	152
9/2/2014	76	163
9/3/2014	77	165
9/4/2014	72	154
9/5/2014	67	143
9/6/2014	69	148
9/7/2014	84	180
9/8/2014	76	163
9/9/2014	68	146
9/10/2014	62	133
9/11/2014	61	131
9/12/2014	65	139
9/13/2014	63	135
9/14/2014	61	131
9/15/2014	57	122
9/16/2014	54	116
9/17/2014	54	116
9/18/2014	54	116
9/19/2014	51	109
9/20/2014	49	105
9/21/2014	52	111
9/22/2014	55	118
9/23/2014	54	116
9/24/2014	53	114
9/25/2014	50	107
9/26/2014	50	107
9/27/2014	49	105
9/28/2014	48	103
9/29/2014	46	99
9/30/2014	46	99
10/1/2014	46	99
10/2/2014	46	99
10/3/2014	46	99
10/4/2014	46	99
10/5/2014	81	173
10/6/2014	99	212
10/7/2014	80	171
10/8/2014	73	156
10/9/2014	88	188
10/10/2014	84	180
10/11/2014	76	163
10/12/2014	70	150
10/13/2014	65	139
10/14/2014	63	135
10/15/2014	61	131
10/16/2014	62	133
10/17/2014	447	957
10/18/2014	725	1,553
10/19/2014	509	1,090

Date	Gage Flow (cfs)	Prorated Flow (cfs)
10/20/2014	379	812
10/21/2014	290	621
10/22/2014	287	615
10/23/2014	642	1,375
10/24/2014	1,730	3,705
10/25/2014	1,570	3,362
10/26/2014	1,220	2,613
10/27/2014	869	1,861
10/28/2014	624	1,336
10/29/2014	492	1,054
10/30/2014	418	895
10/31/2014	361	773
11/1/2014	321	687
11/2/2014	410	878
11/3/2014	615	1,317
11/4/2014	556	1,191
11/5/2014	557	1,193
11/6/2014	655	1,403
11/7/2014	1,070	2,291
11/8/2014	1,410	3,020
11/9/2014	1,280	2,741
11/10/2014	1,030	2,206
11/11/2014	805	1,720
11/12/2014	662	1,418
11/13/2014	584	1,251
11/14/2014	549	1,176
11/15/2014	521	1,116
11/16/2014	463	992
11/17/2014	446	955
11/18/2014	917	1,964
11/19/2014	975	2,088
11/20/2014	810	1,735
11/21/2014	657	1,407
11/22/2014	528	1,131
11/23/2014	463	992
11/24/2014	532	1,139
11/25/2014	975	2,088
11/26/2014	921	1,972
11/27/2014	893	1,912
11/28/2014	776	1,662
11/29/2014	628	1,345
11/30/2014	542	1,161
12/1/2014	697	1,493
12/2/2014	885	1,895
12/3/2014	1,320	2,827
12/4/2014	2,130	4,562
12/5/2014	1,670	3,576
12/6/2014	1,330	2,848
12/7/2014	1,470	3,148
12/8/2014	1,090	2,334
12/9/2014	1,030	2,206
12/10/2014	2,800	5,996
12/11/2014	4,250	9,102
12/12/2014	4,180	8,952
12/13/2014	3,300	7,067
12/14/2014	2,370	5,075
12/15/2014	1,800	3,855
12/16/2014	1,440	3,084
12/17/2014	1,250	2,677
12/18/2014	1,450	3,105
12/19/2014	1,360	2,913
12/20/2014	1,150	2,463
12/21/2014	959	2,054
12/22/2014	821	1,758
12/23/2014	727	1,557
12/24/2014	725	1,553
12/25/2014	2,000	4,283
12/26/2014	2,330	4,990
12/27/2014	2,090	4,476
12/28/2014	1,740	3,726
12/29/2014	1,520	3,255
12/30/2014	1,240	2,656
12/31/2014	904	1,936
1/1/2015	761	1,630
1/2/2015	640	1,371
1/3/2015	529	1,133
1/4/2015	460	985
1/5/2015	489	1,047
1/6/2015	415	889
1/7/2015	383	820
1/8/2015	365	782
1/9/2015	353	756
1/10/2015	344	737
1/11/2015	330	707
1/12/2015	320	685
1/13/2015	312	668
1/14/2015	304	651
1/15/2015	300	642
1/16/2015	298	638
1/17/2015	295	632
1/18/2015	293	627
1/19/2015	457	979
1/20/2015	753	1,613
1/21/2015	638	1,366
1/22/2015	542	1,161
1/23/2015	438	938
1/24/2015	385	824
1/25/2015	339	726
1/26/2015	321	687
1/27/2015	307	657
1/28/2015	297	636
1/29/2015	289	619
1/30/2015	282	604
1/31/2015	275	589
2/1/2015	269	576
2/2/2015	263	563
2/3/2015	257	550
2/4/2015	252	540
2/5/2015	248	531
2/6/2015	244	523
2/7/2015	241	516
2/8/2015	237	508
2/9/2015	234	501
2/10/2015	230	493
2/11/2015	228	488
2/12/2015	224	480
2/13/2015	222	475
2/14/2015	220	471
2/15/2015	218	467
2/16/2015	220	471

Date	Gage Flow (cfs)	Prorated Flow (cfs)
2/17/2015	217	465
2/18/2015	215	460
2/19/2015	211	452
2/20/2015	208	445
2/21/2015	206	441
2/22/2015	205	439
2/23/2015	201	430
2/24/2015	197	422
2/25/2015	197	422
2/26/2015	194	415
2/27/2015	189	405
2/28/2015	186	398
3/1/2015	183	392
3/2/2015	180	385
3/3/2015	178	381
3/4/2015	179	383
3/5/2015	183	392
3/6/2015	181	388
3/7/2015	179	383
3/8/2015	177	379
3/9/2015	175	375
3/10/2015	173	370
3/11/2015	178	381
3/12/2015	215	460
3/13/2015	203	435
3/14/2015	197	422
3/15/2015	203	435
3/16/2015	203	435
3/17/2015	197	422
3/18/2015	193	413
3/19/2015	186	398
3/20/2015	178	381
3/21/2015	176	377
3/22/2015	175	375
3/23/2015	168	360
3/24/2015	171	366
3/25/2015	168	360
3/26/2015	188	403
3/27/2015	260	557
3/28/2015	331	709
3/29/2015	292	625
3/30/2015	268	574
3/31/2015	262	561
4/1/2015	266	570
4/2/2015	261	559
4/3/2015	324	694
4/4/2015	550	1,178
4/5/2015	633	1,356
4/6/2015	605	1,296
4/7/2015	566	1,212
4/8/2015	530	1,135
4/9/2015	501	1,073
4/10/2015	519	1,111
4/11/2015	836	1,790
4/12/2015	1,220	2,613
4/13/2015	1,670	3,576
4/14/2015	2,230	4,776
4/15/2015	2,720	5,825
4/16/2015	2,650	5,675
4/17/2015	2,380	5,097
4/18/2015	2,150	4,604
4/19/2015	1,940	4,155
4/20/2015	1,750	3,748
4/21/2015	2,670	5,718
4/22/2015	4,020	8,609
4/23/2015	3,390	7,260
4/24/2015	2,640	5,654
4/25/2015	2,060	4,412
4/26/2015	1,670	3,576
4/27/2015	1,390	2,977
4/28/2015	1,220	2,613
4/29/2015	1,060	2,270
4/30/2015	928	1,987
5/1/2015	804	1,722
5/2/2015	689	1,476
5/3/2015	600	1,285
5/4/2015	535	1,146
5/5/2015	479	1,026
5/6/2015	426	912
5/7/2015	386	827
5/8/2015	346	741
5/9/2015	311	666
5/10/2015	293	627
5/11/2015	286	612
5/12/2015	292	625
5/13/2015	302	647
5/14/2015	287	615
5/15/2015	266	570
5/16/2015	245	525
5/17/2015	255	546
5/18/2015	287	615
5/19/2015	275	589
5/20/2015	301	645
5/21/2015	270	578
5/22/2015	243	520
5/23/2015	237	508
5/24/2015	221	473
5/25/2015	208	445
5/26/2015	210	450
5/27/2015	218	467
5/28/2015	209	448
5/29/2015	235	503
5/30/2015	263	563
5/31/2015	244	523
6/1/2015	244	523
6/2/2015	363	777
6/3/2015	541	1,159
6/4/2015	492	1,054
6/5/2015	405	867
6/6/2015	328	702
6/7/2015	268	574
6/8/2015	222	475
6/9/2015	201	430
6/10/2015	208	445
6/11/2015	195	418
6/12/2015	182	390
6/13/2015	199	426
6/14/2015	217	465
6/15/2015	207	443
6/16/2015	189	405

Date	Gage Flow (cfs)	Prorated Flow (cfs)
6/17/2015	176	377
6/18/2015	156	334
6/19/2015	141	302
6/20/2015	133	285
6/21/2015	380	814
6/22/2015	1,110	2,377
6/23/2015	776	1,662
6/24/2015	917	1,964
6/25/2015	726	1,555
6/26/2015	503	1,077
6/27/2015	367	786
6/28/2015	320	685
6/29/2015	628	1,345
6/30/2015	581	1,244
7/1/2015	467	1,000
7/2/2015	382	818
7/3/2015	304	651
7/4/2015	245	525
7/5/2015	207	443
7/6/2015	183	392
7/7/2015	162	347
7/8/2015	149	319
7/9/2015	137	293
7/10/2015	127	272
7/11/2015	119	255
7/12/2015	112	240
7/13/2015	104	223
7/14/2015	96	206
7/15/2015	94	201
7/16/2015	95	203
7/17/2015	92	197
7/18/2015	90	193
7/19/2015	95	203
7/20/2015	112	240
7/21/2015	108	231
7/22/2015	108	231
7/23/2015	105	225
7/24/2015	106	227
7/25/2015	175	375
7/26/2015	179	383
7/27/2015	151	323
7/28/2015	204	437
7/29/2015	249	533
7/30/2015	182	390
7/31/2015	148	317
8/1/2015	125	268
8/2/2015	108	231
8/3/2015	119	255
8/4/2015	129	276
8/5/2015	116	248
8/6/2015	132	283
8/7/2015	127	272
8/8/2015	107	229
8/9/2015	91	195
8/10/2015	80	171
8/11/2015	74	158
8/12/2015	216	463
8/13/2015	303	649
8/14/2015	211	452
8/15/2015	152	326
8/16/2015	121	259
8/17/2015	106	227
8/18/2015	95	203
8/19/2015	89	191
8/20/2015	81	173
8/21/2015	77	165
8/22/2015	75	161
8/23/2015	76	163
8/24/2015	78	167
8/25/2015	77	165
8/26/2015	154	330
8/27/2015	194	415
8/28/2015	138	296
8/29/2015	110	236
8/30/2015	95	203
8/31/2015	87	186
9/1/2015	79	169
9/2/2015	72	154
9/3/2015	67	143
9/4/2015	62	133
9/5/2015	57	122
9/6/2015	54	116
9/7/2015	52	111
9/8/2015	51	109
9/9/2015	50	107
9/10/2015	48	103
9/11/2015	87	186
9/12/2015	134	287
9/13/2015	104	223
9/14/2015	171	366
9/15/2015	176	377
9/16/2015	136	291
9/17/2015	114	244
9/18/2015	101	216
9/19/2015	86	184
9/20/2015	75	161
9/21/2015	68	146
9/22/2015	62	133
9/23/2015	58	124
9/24/2015	55	118
9/25/2015	51	109
9/26/2015	48	103
9/27/2015	46	99
9/28/2015	45	96
9/29/2015	47	101
9/30/2015	227	486
10/1/2015	2,230	4,776
10/2/2015	3,270	7,003
10/3/2015	2,300	4,926
10/4/2015	1,230	2,634
10/5/2015	738	1,580
10/6/2015	529	1,133
10/7/2015	414	887
10/8/2015	336	720
10/9/2015	292	625
10/10/2015	369	790
10/11/2015	380	814
10/12/2015	349	747
10/13/2015	315	675
10/14/2015	309	662

Date	Gage Flow (cfs)	Prorated Flow (cfs)
10/15/2015	287	615
10/16/2015	257	550
10/17/2015	241	516
10/18/2015	254	544
10/19/2015	233	499
10/20/2015	214	458
10/21/2015	201	430
10/22/2015	188	403
10/23/2015	186	398
10/24/2015	173	370
10/25/2015	165	353
10/26/2015	164	351
10/27/2015	156	334
10/28/2015	149	319
10/29/2015	1,300	2,784
10/30/2015	2,260	4,840
10/31/2015	1,830	3,919
11/1/2015	1,300	2,784
11/2/2015	876	1,876
11/3/2015	655	1,403
11/4/2015	536	1,148
11/5/2015	455	974
11/6/2015	405	867
11/7/2015	373	799
11/8/2015	332	711
11/9/2015	299	640
11/10/2015	280	600
11/11/2015	264	565
11/12/2015	253	542
11/13/2015	345	739
11/14/2015	400	857
11/15/2015	368	788
11/16/2015	330	707
11/17/2015	296	634
11/18/2015	268	574
11/19/2015	249	533
11/20/2015	285	610
11/21/2015	680	1,456
11/22/2015	670	1,435
11/23/2015	1,850	3,962
11/24/2015	1,950	4,176
11/25/2015	1,440	3,084
11/26/2015	984	2,107
11/27/2015	763	1,634
11/28/2015	666	1,426
11/29/2015	605	1,296
11/30/2015	532	1,139
12/1/2015	458	981
12/2/2015	438	938
12/3/2015	554	1,186
12/4/2015	769	1,647
12/5/2015	729	1,561
12/6/2015	627	1,343
12/7/2015	543	1,163
12/8/2015	473	1,013
12/9/2015	424	908
12/10/2015	390	835
12/11/2015	373	799
12/12/2015	357	765
12/13/2015	338	724
12/14/2015	323	692
12/15/2015	573	1,227
12/16/2015	1,030	2,206
12/17/2015	888	1,902
12/18/2015	1,050	2,249
12/19/2015	1,040	2,227
12/20/2015	859	1,840
12/21/2015	681	1,458
12/22/2015	621	1,330
12/23/2015	998	2,137
12/24/2015	1,250	2,677
12/25/2015	1,330	2,848
12/26/2015	1,100	2,356
12/27/2015	923	1,977
12/28/2015	808	1,730
12/29/2015	608	1,302
12/30/2015	546	1,169
12/31/2015	593	1,270

Ellsworth Daily Average Pond Elevation

Day	Year						
	2008	2009	2010	2011	2012	2013	2014
1/1	100.5	101.7	102.1	102.1	102.1		101.5
1/2	100.5	101.7	102.1	102.1	102.2	102.1	101.4
1/3	100.5	101.7	102.1	102.2	102.2		101.3
1/4	100.5	101.7	102.1	102.2	102.3	101.5	101.3
1/5	100.5	101.6	102.1	102.2	102.4		101.2
1/6	100.5	101.4	102.1	102.2	102.5		101.1
1/7	100.5	101.2	102.1	102.2	102.5	100.7	101.4
1/8	100.5	101.1	102.2	102.2	102.6	100.6	101.7
1/9	100.6	101.0	102.2	102.2	102.6	100.7	101.9
1/10	100.6	100.9	102.2	102.2	102.4		101.9
1/11	100.6	100.9	102.2	102.2	102.3	100.9	101.8
1/12	100.9	100.9	102.2	102.1	102.2		101.8
1/13	101.2	100.9	102.1	102.0	101.8		102.0
1/14	101.4	100.9	102.0	102.0	101.6	101.1	102.1
1/15	101.3	100.9	102.0	102.0	101.4		102.5
1/16	101.2	101.0	102.0	101.9	101.3		103.0
1/17	100.9	101.1	101.9	101.9	101.1		103.3
1/18	100.8	101.3	101.9	101.8	101.0		103.6
1/19	100.8	101.4	101.8	101.7	100.8		103.8
1/20	100.7	101.5	101.7	101.7	100.7		104.0
1/21	100.7	101.5	101.6	101.7	100.6	101.7	104.1
1/22	100.7	101.6	101.6	101.7	100.5	101.8	104.2
1/23	100.5	101.6	101.5	101.7	100.4	101.8	104.1
1/24	100.2	101.6	101.4	101.8	100.2	101.5	104.0
1/25	99.9	101.5	101.6	101.8	100.2	101.3	103.8
1/26	99.6	101.5	101.9	101.7	100.2		103.7
1/27	99.4	101.5	102.2	101.7	100.2		103.5
1/28	99.0	101.4	102.3	101.6	100.3		103.2
1/29	98.8	101.3	102.3	101.5	100.4	101.2	102.9
1/30	98.7	101.3	102.4	101.4	100.5	99.9	102.6
1/31	98.9	101.0	102.5	101.3	100.6		102.3
2/1	99.0	100.5	102.4	101.2	100.8	100.1	101.9
2/2	99.3	100.1	102.3	101.1	100.9		101.5
2/3	99.5	99.8	102.2	101.0	101.0		101.1
2/4	99.8	99.6	101.9	100.5	101.0	101.7	100.8
2/5	99.8	99.5	101.6	100.3	101.0	100.8	100.3
2/6	99.8	99.4	101.4	100.1	101.0	100.6	99.9
2/7	99.7	99.2	101.0	99.9	101.0	100.4	100.0
2/8	99.5	99.0	100.8	99.7	101.0	100.2	99.9
2/9	99.3	98.9	100.5	99.6	101.0		99.9
2/10	99.2	98.8	100.3	99.2	101.0		99.8
2/11	99.0	98.7	100.1	99.0	101.0	99.6	99.7
2/12	98.5	98.6	99.6	98.7	101.0	99.4	99.7
2/13	98.5	98.5	99.2	98.5	101.0		99.6
2/14	98.9	98.4	98.8	98.2	101.0	98.9	99.6
2/15	99.1	98.3	98.5	98.1	101.0	98.7	99.6
2/16	99.4	98.3	98.1	97.9	100.9		99.6
2/17	99.6	98.2	98.0	97.9	100.9		99.5
2/18	99.9	98.1	98.0	98.0	100.9		99.5
2/19	100.2	98.0	97.9	98.0	100.9	97.7	99.4
2/20	100.3	97.9	97.9	98.1	101.0		99.4
2/21	100.3	97.8	97.9	98.2	101.0		99.3
2/22	100.5	97.7	97.8	98.2	101.0	97.3	99.3
2/23	100.7	97.6	97.8	98.2	101.1		99.4
2/24	100.9	97.5	97.9	98.3	101.2		99.4
2/25	101.1	97.3	98.0	98.0	101.2	96.9	99.1
2/26	101.3	97.1	98.3	97.8	101.3	96.7	99.7
2/27	101.0	96.8	98.5	97.6	101.3	96.8	98.3
2/28	100.8	96.6	98.8	97.4	101.1		97.9
2/29	100.7				100.8		
3/1	100.6	96.4	99.4	97.0	100.4		97.5
3/2	100.4	96.3	99.7	96.8	100.2		97.4
3/3	100.3	96.2	100.1	96.2	100.1	97.6	97.5
3/4	100.1	96.1	100.3	96.0	100.2	97.7	97.6
3/5	99.9	95.9	100.5	95.8	100.3	97.7	97.5
3/6	99.7	95.6	100.6	95.5	100.4	97.6	97.3
3/7	99.5	95.7	100.8	95.3	100.4	97.4	97.4
3/8	99.8	95.7	100.9	95.8	100.5		97.4
3/9	100.0	95.8	101.0	96.1	100.7		97.5
3/10	100.3	95.8	101.1	96.5	100.9	96.9	97.5
3/11	100.4	96.0	101.3	97.0	101.2	96.7	97.6
3/12	100.7	96.8	101.5	97.5	101.3	97.2	97.6
3/13	100.8	96.6	101.7	98.2	101.5	97.9	97.8
3/14	100.8	96.3	101.8	99.2	101.7	98.2	97.9
3/15	100.8	95.9	102.0	99.8	101.8		98.0
3/16	100.8	95.5	102.1	100.5	101.9		98.1
3/17	100.7	95.2	102.3	101.0	101.9	98.3	98.3
3/18	100.6	95.2	102.5	101.3	101.9	98.3	98.0
3/19	100.4	95.3	102.6	101.5	102.0	98.2	97.6
3/20	100.3	95.4	102.7	101.8	102.0	98.2	97.2
3/21	100.2	95.6	102.8	102.5	102.2	98.2	97.0
3/22	100.0	95.8	102.9	102.9	102.4		96.9
3/23	99.5	96.1	103.1	103.0	102.5		96.9
3/24	99.3	96.4	103.4	103.1	102.7	98.2	96.7
3/25	99.2	96.6	103.6	103.2	102.9	98.3	95.9
3/26	99.0	96.6	103.7	103.2	103.0		95.4
3/27	98.8	96.9	103.6	103.2	103.2		95.5
3/28	98.6	97.1	103.5	103.2	103.3	99.0	95.6
3/29	98.2	97.5	103.5	103.1	103.3		95.7
3/30	97.9	97.8	103.8	103.0	103.4		95.9
3/31	97.6	98.5	103.9	103.0	103.5	99.8	96.8
4/1	97.4	99.0	103.9	102.9	103.6	100.1	97.6
4/2	97.0	99.5	103.8	102.9	103.7	100.4	98.0
4/3	96.8	100.0	103.2	103.0	103.7		98.4
4/4	96.7	100.4	102.6	103.0	103.8	100.7	98.7
4/5	96.7	100.8	102.3	103.2	103.8		99.1
4/6	96.6	101.2	102.5	103.4	103.8		99.5
4/7	96.7	102.2	102.6	103.6	103.9	100.9	100.0
4/8	96.9	103.0	102.8	103.7	103.9		100.3
4/9	97.0	103.6	102.9	103.8	104.0	101.1	101.0
4/10	97.1	103.3	103.0	104.0	104.0	101.2	101.6
4/11	97.2	103.4	103.1	104.1	104.1	101.2	102.1
4/12	97.4	103.4	103.3	104.1	104.1		102.5
4/13	97.9	103.4	103.4	104.2	104.1		103.0
4/14	98.9	103.4	103.3	104.2	104.2		103.5
4/15	99.2	103.4	103.4	104.2	104.2	101.1	103.9
4/16	99.4	103.4	103.4	104.0	104.2	101.1	104.2
4/17	99.7	103.4	103.5	103.8	104.2		104.0
4/18	100.0	103.5	103.5	103.5	104.2	101.5	103.8
4/19	100.2	103.6	103.6	103.2	104.0		103.5
4/20	100.3	103.6	103.6	103.1	103.8		103.1
4/21	100.5	103.7	103.6	103.4	103.6	102.1	102.8
4/22	100.7	103.8	103.6	103.6	103.4		102.5
4/23	101.3	103.7	103.6	103.7	103.2	102.3	102.6
4/24	101.6	103.6	103.7	103.7	103.5	102.5	102.9
4/25	101.9	103.6	103.7	103.8	103.8	102.7	103.0
4/26	102.1	103.5	103.8	103.9	104.0		103.2
4/27	102.3	103.5	103.9	104.0	103.9		103.2
4/28	102.6	103.4	103.9	103.8	103.8		103.2
4/29	102.8	103.6	104.0	103.7	103.7	103.3	103.2
4/30	103.1	103.7	104.0	103.6	103.6		103.2

Ellsworth Daily Average Pond Elevation								
Day	Year							
	2008	2009	2010	2011	2012	2013	2014	2015
9/6	99.1	102.3	97.2	99.8	101.6		98.8	98.7
9/7	99.3	102.3	97.3	99.6	101.7		98.9	98.6
9/8	99.6	102.3	97.3	99.3	101.5	102.7	98.9	98.6
9/9	99.4	102.2	97.2	99.0	101.4		98.8	98.5
9/10	99.3	102.2	97.1	99.0	101.3	102.5	98.8	98.4
9/11	99.1	102.2	97.1	99.1	101.2	102.3	98.8	98.4
9/12	99.0	102.2	97.0	99.1	101.1		98.6	98.4
9/13	98.8	102.2	97.0	99.0	101.0		98.6	98.3
9/14	98.7	102.1	97.0	98.9	100.9		98.6	98.3
9/15	98.4	102.1	96.9	98.8	100.8	102.3	98.5	98.3
9/16	98.4	102.1	96.9	98.8	100.7	102.3	98.5	98.3
9/17	98.5	102.1	96.9	98.8	100.6	102.1	98.5	98.2
9/18	98.5	102.0	96.9	98.8	100.5		98.4	98.2
9/19	98.6	102.0	96.9	98.8	100.3		98.4	98.2
9/20	98.6	101.9	96.9	98.8	100.2		98.3	98.1
9/21	98.6	101.9	96.8	98.8	100.1		98.3	98.1
9/22	98.7	101.9	96.8	98.8	100.0	101.4	98.3	98.0
9/23	98.8	101.8	96.8	98.9	99.8	101.2	98.2	98.0
9/24	98.8	101.8	96.7	98.9	99.6	101.1	98.3	97.9
9/25	98.8	101.7	96.7	98.9	99.4	100.9	98.2	97.9
9/26	98.8	101.6	96.7	98.9	99.3	100.6	98.2	97.8
9/27	99.0	101.5	96.7	98.9	99.2		98.2	97.8
9/28	99.1	101.4	96.7	99.0	99.2		98.1	97.7
9/29	99.2	101.4	96.8	99.0	99.1	100.0	98.2	97.7
9/30	99.5	101.3	96.8	99.0	99.1	99.8	98.1	97.8
10/1	100.0	101.2	96.8	99.0	99.1		98.1	99.7
10/2	100.5	101.1	96.9	99.0	99.3	99.2	98.0	100.2
10/3	100.8	101.0	96.9	99.0	99.4	99.0	97.9	100.4
10/4	100.9	101.0	96.9	99.1	99.5		98.0	100.3
10/5	101.1	100.9	97.0	99.2	99.6		97.9	100.3
10/6	101.2	101.0	97.0	99.3	99.8	98.5	98.0	100.2
10/7	101.2	101.1	97.0	99.5	99.9	98.4	97.9	100.3
10/8	101.0	101.1	97.0	99.6	100.0	98.3	97.9	100.6
10/9	100.8	101.2	97.1	99.7	100.1	98.3	97.9	100.5
10/10	100.7	101.2	97.1	99.8	100.1		97.8	100.5
10/11	100.5	101.2	97.1	99.9	100.2		97.8	100.5
10/12	100.4	101.3	97.1	99.9	100.2		97.8	100.4
10/13	100.2	101.3	97.2	99.9	100.2		97.8	100.4
10/14	100.1	101.3	97.2	99.9	100.3	98.5	97.7	100.4
10/15	99.6	101.2	97.3	99.8	100.3	98.4	97.6	100.3
10/16	99.3	101.2	97.5	99.8	100.5	98.4	97.6	100.2
10/17	99.0	101.2	97.6	99.8	100.7		97.8	100.1
10/18	98.7	101.2	97.7	99.8	100.5		97.9	100.0
10/19	98.5	101.1	97.8	99.8	100.2		98.0	99.9
10/20	98.4	101.1	97.9	99.8	100.5		98.1	99.7
10/21	98.5	101.1	98.0	99.8	100.8	98.2	98.1	99.6
10/22	98.5	101.1	98.1	99.8	101.3		98.2	99.4
10/23	98.6	101.2	98.2	99.8	101.2	98.2	98.4	99.3
10/24	98.6	101.3	98.3	99.9	101.2	98.1	98.5	99.3
10/25	98.7	101.4	98.3	99.9	101.1		99.9	99.3
10/26	98.7	101.4	98.4	99.8	101.1		99.1	99.3
10/27	98.8	101.3	98.5	99.8	101.0		99.4	99.3
10/28	98.9	101.2	98.5	99.7	101.0	97.9	99.5	99.3
10/29	99.0	101.2	98.7	99.7	100.9	97.9	99.6	99.2
10/30	99.1	101.1	99.1	99.6	100.9		99.7	100.1
10/31	99.3	101.0	99.3	99.6	101.1		99.8	100.4
11/1	99.4	101.0	99.6	99.6	101.3		99.9	100.6
11/2	99.5	100.9	99.8	99.5	101.4		100.2	100.7
11/3	99.6	100.8	100.2	99.5	101.6		100.2	100.8
11/4	99.7	100.8	100.4	99.4	101.7	97.9	100.3	100.9
11/5	99.9	100.6	100.7	99.3	101.8		100.4	101.0
11/6	100.0	100.5	101.0	99.2	102.0		100.5	101.0
11/7	100.1	100.4	101.3	99.1	102.1		100.7	101.0
11/8	100.2	100.3	101.7	99.0	102.2		101.1	100.9
11/9	100.3	100.2	102.0	98.9	102.3		101.4	100.8
11/10	100.4	100.0	102.4	98.8	102.3		101.7	100.7
11/11	100.4	99.9	102.3	98.8	102.4	97.9	101.9	100.7
11/12	100.4	99.8	102.3	98.8	102.5		102.1	100.6
11/13	100.5	99.7	102.2	98.8	102.6	97.7	102.3	100.6
11/14	100.5	99.6	102.2	98.7	102.6		102.4	100.5
11/15	100.6	99.5	102.1	98.7	102.7		102.6	100.6
11/16	100.7	99.4	102.0	98.7	102.5		102.7	100.6
11/17	100.7	99.5	101.9	98.6	102.3		102.9	100.6
11/18	100.8	99.5	101.8	98.6	102.1	97.9	103.1	100.6
11/19	100.8	99.6	101.7	98.7	101.9		102.9	100.5
11/20	100.6	99.6	101.5	98.7	101.6		102.8	100.3
11/21	100.3	99.5	101.4	98.8	101.4		102.6	100.3
11/22	100.0	99.5	101.3	98.9	101.1		102.6	100.1
11/23	99.8	99.5	101.0	98.9	100.9		102.7	100.3
11/24	99.5	99.5	100.8	99.0	100.6	97.9	102.8	100.4
11/25	99.9	99.4	100.5	99.1	100.4		102.9	100.4
11/26	100.1	99.4	100.2	99.2	100.1	97.9	103.0	100.4
11/27	100.5	99.4	100.0	99.3	100.2		103.2	100.2
11/28	100.9	99.3	99.7	99.4	100.3		103.1	100.5
11/29	101.2	99.3	99.5	99.5	100.3		103.0	100.7
11/30	101.5	99.3	99.5	99.7	100.4		102.9	100.8
12/1	101.8	99.4	99.6	99.9	100.3	100.5	102.8	100.8
12/2	102.0	99.5	99.6	100.1	100.2		102.8	100.8
12/3	102.2	100.0	99.8	100.2	100.2		102.8	100.9
12/4	102.2	100.3	99.9	100.4	100.3		102.8	101.0
12/5	102.1	100.6	100.0	100.5	100.4	101.4	102.8	101.2
12/6	102.1	101.0	100.1	100.6	100.5		102.7	101.4
12/7	102.0	101.3	100.2	100.7	100.6		103.0	101.6
12/8	102.0	101.5	100.3	100.9	100.7	101.9	103.2	101.6
12/9	102.0	101.7	100.3	101.1	100.8		103.2	101.6
12/10	102.3	101.9	100.3	101.2	100.8	102.1	102.9	101.6
12/11	102.5	102.0	100.6	101.4	100.9	102.1	102.4	101.6
12/12	102.8	102.0	101.0	101.5	101.0		102.5	101.6
12/13	103.0	102.0	101.7	101.4	101.0		102.5	101.7
12/14	103.2	102.0	102.1	101.4	101.1		102.3	101.8
12/15	103.4	102.0	102.8	101.3	101.2	101.9	102.0	101.9
12/16	103.3	102.0	103.1	101.3	101.3		101.6	101.8
12/17	103.3	102.0	103.4	101.3	101.3	101.8	101.3	101.6
12/18	103.2	101.8	103.3	101.2	101.4		100.9	101.4
12/19	103.1	101.7	103.3	101.2	101.5	101.4	101.4	101.3
12/20	103.0	101.7	103.2	101.1	101.6		101.8	101.2
12/21	103.0	101.6	103.1	101.1	101.8		102.1	101.0
12/22	102.9	101.6	103.1	100.9	102.2	101.3	102.3	101.0
12/23	102.8	101.5	103.2	100.9	102.4		102.3	101.3
12/24	102.8	101.5	103.1	101.0	102.7		102.3	101.6
12/25	102.7	101.5	103.0	101.0	102.9	101.4	102.4	101.7
12/26	102.7	101.5	102.8	101.0	103.0	101.5	102.3	101.6
12/27	102.6	101.4	102.7	101.0	103.0		101.5	101.5
12/28	102.6	101.4	102.5	101.1	103.2		101.4	101.5
12/29	102.5	101.5	102.4	101.3	103.0		101.5	101.4
12/30	102.5	101.7	102.3	101.4	102.8	101.6	101.6	101.4
12/31	102.6	101.8	102.1	101.6	102.5		101.4	101.4

Annual		January		February		March		April		May		June	
Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance
2,523	1%	2,416	4%	2,427	5%	2,437	4%	2,497	8%	2,465	6%	2,481	5%
2,523	1%	2,415	4%	2,426	5%	2,436	4%	2,497	8%	2,465	6%	2,478	5%
2,522	1%	2,415	4%	2,426	5%	2,435	4%	2,497	8%	2,465	6%	2,477	5%
2,522	1%	2,414	4%	2,426	5%	2,435	4%	2,496	8%	2,464	6%	2,477	5%

Ellsworth Dam Tabular Flow Duration Data
Source: Flow generated from Ellsworth hourly generation data August 2007 - December 2015

Annual		January		February		March		April		May		June	
Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance
1,833	22%	2,379	8%										
1,833	22%	2,379	8%										
1,833	22%	2,378	8%										
1,833	22%	2,377	8%										
1,833	22%	2,377	8%										
1,832	22%	2,376	8%										
1,832	22%	2,375	8%										
1,832	22%	2,374	8%										
1,832	22%	2,374	8%										
1,832	22%	2,374	8%										
1,832	22%	2,373	8%										
1,832	22%	2,373	8%										
1,831	22%	2,373	8%										
1,831	22%	2,372	8%										
1,831	22%	2,372	8%										
1,831	22%	2,372	8%										
1,831	22%	2,371	8%										
1,831	22%	2,371	8%										
1,831	22%	2,370	8%										
1,830	22%	2,368	8%										
1,830	22%	2,367	9%										
1,830	22%	2,366	9%										
1,830	22%	2,366	9%										
1,830	22%	2,366	9%										
1,830	22%	2,365	9%										
1,830	22%	2,365	9%										
1,830	22%	2,364	9%										
1,829	22%	2,362	9%										
1,829	22%	2,362	9%										
1,829	22%	2,361	9%										
1,829	22%	2,360	9%										
1,829	22%	2,359	9%										
1,829	22%	2,359	9%										
1,829	22%	2,358	9%										
1,828	22%	2,357	9%										
1,828	22%	2,357	9%										
1,828	22%	2,355	9%										
1,828	22%	2,355	9%										
1,828	22%	2,354	9%										
1,828	22%	2,354	9%										
1,828	22%	2,354	9%										
1,827	22%	2,353	9%										
1,827	22%	2,353	9%										
1,827	22%	2,353	9%										
1,827	22%	2,353	9%										
1,827	22%	2,351	9%										
1,827	22%	2,351	9%										
1,827	22%	2,350	9%										
1,827	22%	2,350	9%										
1,826	22%	2,350	9%										
1,826	22%	2,349	9%										
1,826	22%	2,349	9%										
1,826	22%	2,348	9%										
1,826	22%	2,347	9%										
1,826	22%	2,346	9%										
1,825	22%	2,345	9%										
1,825	22%	2,345	9%										
1,825	22%	2,342	9%										
1,825	22%	2,342	10%										
1,825	22%	2,341	10%										
1,825	22%	2,341	10%										
1,825	22%	2,341	10%										
1,824	22%	2,340	10%										
1,824	22%	2,340	10%										
1,824	22%	2,340	10%										
1,824	22%	2,340	10%										
1,824	22%	2,339	10%										
1,824	22%	2,339	10%										
1,824	22%	2,338	10%										
1,823	22%	2,337	10%										
1,823	22%	2,337	10%										
1,823	22%	2,336	10%										
1,823	22%	2,336	10%										
1,823	22%	2,335	10%										
1,823	22%	2,335	10%										
1,823	22%	2,334	10%										
1,822	22%	2,333	10%										
1,822	22%	2,332	10%										
1,822	22%	2,332	10%										
1,822	22%	2,331	10%										
1,822	22%	2,330	10%										
1,822	22%	2,330	10%										
1,822	22%	2,329	10%										
1,822	22%	2,329	10%										
1,821	22%	2,328	10%										
1,821	22%	2,328	10%										
1,821	22%	2,328	10%										
1,821	22%	2,327	10%										
1,821	22%	2,327	10%										
1,821	22%	2,326	10%										
1,821	22%	2,326	10%										
1,820	22%	2,325	10%										
1,820	22%	2,324	10%										
1,820	22%	2,322	11%										
1,820	22%	2,321	11%										
1,820	22%	2,321	11%										
1,820	22%	2,320	11%										
1,819	24%	2,318	11%										
1,819	24%	2,318	11%										
1,819	24%	2,317	11%										
1,819	24%	2,317	11%										
1,819	24%	2,316	11%										
1,819	24%	2,316	11%										
1,819	24%	2,316	11%										
1,819	24%	2,315	11%										
1,818	24%	2,315	11%										
1,818	24%	2,312	11%										
1,818	24%	2,311	11%										
1,818	24%	2,310	11%										
1,818	24%	2,309	11%										
1,818	24%	2,308	11%										
1,817	24%	2,308	11%										
1,817	24%	2,307	11%										
1,817	24%	2,305	11%										
1,817	24%	2,303	11%										
1,817	24%	2,302	11%										
1,817	24%	2,301	11%										
1,817	24%	2,300	11%										
1,817	24%	2,300	11%										
1,816	24%	2,298	11%										
1,816	24%	2,296	11%										
1,816	24%	2,296	11%										
1,816	24%	2,295	11%										
1,816	24%	2,293	11%										
1,816	24%	2,292	11%										
1,816	24%	2,291	11%										
1,815	24%	2,291	11%										
1,815	24%	2,291	11%										
1,815	24%	2,290	11%										
1,815	24%	2,290	11%										
1,815	24%	2,288	11%										
1,815	24%	2,287	11%										

Annual		January		February		March		April		May		June	
Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance
1,815	24%	2,286	12%										
1,814	24%	2,286	12%										
1,814	24%	2,285	12%										
1,814	24%	2,285	12%										
1,814	24%	2,285	12%										
1,814	24%	2,284	12%										
1,814	24%	2,284	12%										
1,814	24%	2,284	12%										
1,814	24%	2,282	12%										
1,813	24%	2,282	12%										
1,813	24%	2,279	12%										
1,813	24%	2,278	12%										
1,813	24%	2,277	12%										
1,813	24%	2,275	12%										
1,812	24%	2,272	12%										
1,812	24%	2,271	12%										
1,812	24%	2,270	12%										
1,812	24%	2,268	12%										
1,812	24%	2,267	12%										
1,812	24%	2,266	12%										
1,812	24%	2,266	12%										
1,812	24%	2,266	12%										
1,811	24%	2,261	12%										
1,811	24%	2,260	12%										
1,811	24%	2,259	12%										
1,811	24%	2,253	12%										
1,811	24%	2,252	12%										
1,811	24%	2,249	12%										
1,811	24%	2,245	12%										
1,810	24%	2,243	12%										
1,810	24%	2,242	12%										
1,810	24%	2,240	12%										
1,810	24%	2,236	12%										
1,810	25%	2,233	12%										
1,810	25%	2,233	12%										
1,810	25%	2,214	12%										
1,809	25%	2,196	12%										
1,809	25%	2,192	12%										
1,809	25%	2,190	12%										
1,809	25%	2,189	12%										
1,809	25%	2,179	12%										
1,809	25%	2,177	12%										
1,809	25%	2,169	12%										
1,809	25%	2,156	12%										
1,808	25%	2,153	12%										
1,808	25%	1,979	12%										
1,808	25%	1,977	12%										
1,808	25%	1,977	12%										
1,808	25%	1,976	12%										
1,808	25%	1,975	12%										
1,808	25%	1,974	13%										
1,807	25%	1,972	13%										
1,807	25%	1,972	13%										
1,807	25%	1,972	13%										
1,807	25%	1,969	13%										
1,807	25%	1,964	13%										
1,807	25%	1,958	13%										
1,807	25%	1,955	13%										
1,806	25%	1,950	13%										
1,806	25%	1,941	13%										
1,806	25%	1,934	13%										
1,806	25%	1,931	13%										
1,806	25%	1,930	13%										
1,806	25%	1,930	13%										
1,806	25%	1,929	13%										
1,806	25%	1,928	13%										
1,805	25%	1,924	13%										
1,805	25%	1,923	13%										
1,805	25%	1,923	13%										
1,805	25%	1,921	13%										
1,805	25%	1,920	13%										
1,805	25%	1,920	13%										
1,804	25%	1,918	13%										
1,804	25%	1,917	13%										
1,804	25%	1,917	13%										
1,804	25%	1,916	13%										
1,804	25%	1,915	13%										
1,804	25%	1,914	13%										
1,804	25%	1,912	13%										
1,804	25%	1,912	13%										
1,803	25%	1,911	13%										
1,803	25%	1,910	13%										
1,803	25%	1,910	13%										
1,803	25%	1,909	13%										
1,803	25%	1,908	13%										
1,803	25%	1,908	13%										
1,803	25%	1,907	13%										
1,802	25%	1,907	13%										
1,802	25%	1,906	13%										
1,802	25%	1,906	13%										
1,802	25%	1,905	13%										
1,802	25%	1,904	13%										
1,802	25%	1,903	13%										
1,802	25%	1,902	14%										
1,801	25%	1,901	14%										
1,801	25%	1,901	14%										
1,801	25%	1,901	14%										
1,801	25%	1,900	14%										
1,801	25%	1,900	14%										
1,801	25%	1,899	14%										
1,801	25%	1,899	14%										
1,801	25%	1,899	14%										
1,800	25%	1,898	14%										
1,800	25%	1,897	14%										
1,800	25%	1,897	14%										
1,800	25%	1,896	14%										
1,800	25%	1,896	14%										
1,800	25%	1,895	14%										
1,800	25%	1,895	14%										
1,799	25%	1,895	14%										
1,799	25%	1,894	14%										
1,799	26%	1,894	14%										
1,799	26%	1,892	14%										
1,799	26%	1,892	14%										
1,799	26%	1,891	14%										
1,799	26%	1,891	14%										
1,798	26%	1,890	14%										
1,798	26%	1,890	14%										
1,798	26%	1,889	14%										
1,798	26%	1,889	14%										
1,798	26%	1,888	14%										
1,798	26%	1,887	14%										
1,798	26%	1,887	14%										
1,797	26%	1,886	14%										
1,797	26%	1,885	14%										
1,797	26%	1,884	14%										
1,797	26%	1,883	14%										
1,797	26%	1,882	14%										
1,797	26%	1,882	14%										
1,796	26%	1,881	14%										
1,796	26%	1,880	14%										
1,796	26%	1,879	15%										
1,796	26%	1,879	15%										

Annual		January		February		March		April		May		June	
Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance
1.796	26%	1.878	15%										
1.796	26%	1.877	15%										
1.796	26%	1.876	15%										
1.796	26%	1.876	15%										
1.795	26%	1.875	15%										
1.795	26%	1.874	15%										
1.795	26%	1.874	15%										
1.795	26%	1.874	15%										
1.795	26%	1.873	15%										
1.795	26%	1.872	15%										
1.795	26%	1.872	15%										
1.794	26%	1.872	15%										
1.794	26%	1.870	15%										
1.794	26%	1.870	15%										
1.794	26%	1.870	15%										
1.794	26%	1.869	15%										
1.794	26%	1.869	15%										
1.794	26%	1.869	15%										
1.793	26%	1.867	15%										
1.793	26%	1.866	15%										
1.793	26%	1.864	15%										
1.793	26%	1.863	15%										
1.793	26%	1.862	15%										
1.793	26%	1.862	15%										
1.793	26%	1.862	15%										
1.793	26%	1.861	15%										
1.792	26%	1.861	15%										
1.792	26%	1.861	15%										
1.792	26%	1.860	15%										
1.792	26%	1.860	15%										
1.792	26%	1.859	15%										
1.792	26%	1.858	15%										
1.791	26%	1.858	16%										
1.791	26%	1.858	16%										
1.791	26%	1.858	16%										
1.791	26%	1.857	16%										
1.791	26%	1.856	16%										
1.791	26%	1.856	16%										
1.791	26%	1.855	16%										
1.791	26%	1.854	16%										
1.790	26%	1.854	16%										
1.790	26%	1.854	16%										
1.790	26%	1.853	16%										
1.790	26%	1.853	16%										
1.790	26%	1.852	16%										
1.790	26%	1.852	16%										
1.790	26%	1.851	16%										
1.789	26%	1.850	16%										
1.789	26%	1.850	16%										
1.789	26%	1.850	16%										
1.789	26%	1.849	16%										
1.789	26%	1.849	16%										
1.789	27%	1.848	16%										
1.788	27%	1.848	16%										
1.788	27%	1.848	16%										
1.788	27%	1.847	16%										
1.788	27%	1.847	16%										
1.788	27%	1.846	16%										
1.788	27%	1.846	16%										
1.788	27%	1.845	16%										
1.788	27%	1.845	16%										
1.787	27%	1.845	16%										
1.787	27%	1.845	17%										
1.787	27%	1.844	17%										
1.787	27%	1.844	17%										
1.787	27%	1.843	17%										
1.787	27%	1.843	17%										
1.787	27%	1.842	17%										
1.786	27%	1.842	17%										
1.786	27%	1.841	17%										
1.786	27%	1.841	17%										
1.786	27%	1.841	17%										
1.786	27%	1.840	17%										
1.786	27%	1.840	17%										
1.786	27%	1.840	17%										
1.785	27%	1.839	17%										
1.785	27%	1.839	17%										
1.785	27%	1.838	17%										
1.785	27%	1.838	17%										
1.785	27%	1.838	17%										
1.785	27%	1.837	17%										
1.785	27%	1.837	17%										
1.785	27%	1.837	17%										
1.784	27%	1.837	17%										
1.784	27%	1.836	17%										
1.784	27%	1.836	17%										
1.784	27%	1.835	17%										
1.784	27%	1.835	17%										
1.784	27%	1.835	17%										
1.783	27%	1.835	17%										
1.783	27%	1.834	17%										
1.783	27%	1.834	17%										
1.783	27%	1.834	18%										
1.783	27%	1.833	18%										
1.783	27%	1.833	18%										
1.783	27%	1.833	18%										
1.783	27%	1.832	18%										
1.782	27%	1.832	18%										
1.782	27%	1.832	18%										
1.782	27%	1.831	18%										
1.782	27%	1.831	18%										
1.782	27%	1.831	18%										
1.782	27%	1.830	18%										
1.781	27%	1.830	18%										
1.781	27%	1.830	18%										
1.781	27%	1.829	18%										
1.781	27%	1.829	18%										
1.781	27%	1.829	18%										
1.781	27%	1.828	18%										
1.781	27%	1.828	18%										
1.780	27%	1.827	18%										
1.780	27%	1.827	18%										
1.780	27%	1.827	18%										
1.780	27%	1.827	18%										
1.780	27%	1.826	18%										
1.780	27%	1.826	18%										
1.780	27%	1.826	18%										
1.780	27%	1.825	18%										
1.779	27%	1.825	18%										
1.779	27%	1.824	18%										
1.779	27%	1.824	19%										
1.779	27%	1.824	19%										
1.779	27%	1.823	19%										
1.779	27%	1.823	19%										
1.779	27%	1.823	19%										
1.778	27%	1.822	19%										
1.778	27%	1.822	19%										
1.778	27%	1.821	19%										
1.778	27%	1.820	19%										
1.778	27%	1.820	19%										
1.778	28%	1.819	19%										

Annual		January		February		March		April		May		June	
Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance
1.777	28%	1.818	19%										
1.777	28%	1.818	19%										
1.777	28%	1.818	19%										
1.777	28%	1.817	19%										
1.777	28%	1.817	19%										
1.777	28%	1.817	19%										
1.777	28%	1.816	19%										
1.777	28%	1.816	19%										
1.776	28%	1.815	19%										
1.776	28%	1.815	19%										
1.776	28%	1.814	19%										
1.776	28%	1.814	19%										
1.776	28%	1.813	19%										
1.776	28%	1.813	19%										
1.775	28%	1.812	19%										
1.775	28%	1.812	19%										
1.775	28%	1.811	20%										
1.775	28%	1.810	20%										
1.775	28%	1.810	20%										
1.775	28%	1.810	20%										
1.775	28%	1.808	20%										
1.774	28%	1.808	20%										
1.774	28%	1.807	20%										
1.774	28%	1.806	20%										
1.774	28%	1.806	20%										
1.774	28%	1.805	20%										
1.774	28%	1.804	20%										
1.774	28%	1.803	20%										
1.773	28%	1.802	20%										
1.773	28%	1.795	20%										
1.773	28%	1.790	20%										
1.773	28%	1.790	20%										
1.773	28%	1.788	20%										
1.773	28%	1.787	20%										
1.773	28%	1.784	20%										
1.772	28%	1.782	20%										
1.772	28%	1.780	20%										
1.772	28%	1.777	20%										
1.772	28%	1.767	20%										
1.772	28%	1.762	20%										
1.772	28%	1.762	20%										
1.772	28%	1.761	20%										
1.772	28%	1.759	20%										
1.771	28%	1.755	20%										
1.771	28%	1.754	20%										
1.771	28%	1.752	20%										
1.771	28%	1.741	20%										
1.771	28%	1.731	20%										
1.771	28%	1.731	20%										
1.771	28%	1.717	20%										
1.770	28%	1.712	20%										
1.770	28%	1.706	20%										
1.770	28%	1.700	20%										
1.770	28%	1.693	20%										
1.770	28%	1.662	20%										
1.770	28%	1.659	20%										
1.770	28%	1.655	20%										
1.769	28%	1.649	20%										
1.769	28%	1.644	20%										
1.769	28%	1.636	20%										
1.769	28%	1.636	21%										
1.769	28%	1.631	21%										
1.769	28%	1.630	21%										
1.769	28%	1.628	21%										
1.769	28%	1.627	21%										
1.768	28%	1.619	21%										
1.768	28%	1.615	21%										
1.768	28%	1.611	21%										
1.768	28%	1.611	21%										
1.768	28%	1.610	21%										
1.768	28%	1.610	21%										
1.767	28%	1.609	21%										
1.767	28%	1.608	21%										
1.767	28%	1.605	21%										
1.767	28%	1.600	21%										
1.767	28%	1.598	21%										
1.767	28%	1.595	21%										
1.767	28%	1.593	21%										
1.767	28%	1.592	21%										
1.766	28%	1.591	21%										
1.766	28%	1.591	21%										
1.766	28%	1.588	21%										
1.766	29%	1.587	21%										
1.766	29%	1.581	21%										
1.766	29%	1.580	21%										
1.766	29%	1.580	21%										
1.765	29%	1.577	21%										
1.765	29%	1.574	21%										
1.765	29%	1.572	21%										
1.765	29%	1.569	21%										
1.765	29%	1.567	21%										
1.765	29%	1.567	21%										
1.765	29%	1.566	21%										
1.764	29%	1.564	21%										
1.764	29%	1.563	21%										
1.764	29%	1.562	21%										
1.764	29%	1.561	21%										
1.764	29%	1.560	21%										
1.764	29%	1.559	21%										
1.764	29%	1.557	21%										
1.764	29%	1.556	21%										
1.763	29%	1.556	22%										
1.763	29%	1.554	22%										
1.763	29%	1.551	22%										
1.763	29%	1.550	22%										
1.763	29%	1.550	22%										
1.763	29%	1.549	22%										
1.762	29%	1.548	22%										
1.762	29%	1.548	22%										
1.762	29%	1.548	22%										
1.762	29%	1.547	22%										
1.762	29%	1.546	22%										
1.762	29%	1.545	22%										
1.762	29%	1.543	22%										
1.762	29%	1.541	22%										
1.761	29%	1.541	22%										
1.761	29%	1.541	22%										
1.761	29%	1.540	22%										
1.761	29%	1.540	22%										
1.761	29%	1.539	22%										
1.761	29%	1.538	22%										
1.761	29%	1.537	22%										
1.760	29%	1.537	22%										
1.760	29%	1.534	22%										
1.760	29%	1.534	22%										
1.760	29%	1.533	22%										
1.760	29%	1.531	22%										
1.760	29%	1.529	22%										
1.760	29%	1.526	22%										
1.759	29%	1.524	22%										
1.759	29%	1.523	22%										
1.759	29%	1.523	22%										
1.759	29%	1.521	22%										

Ellsworth Dam Tabular Flow Duration Data
 Source: Flow generated from Ellsworth baurty
 generation data August 2007 - December 2015

Annual		January		February		March		April		May		June	
Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance
1,740	30%	1,273	26%										
1,740	30%	1,273	26%										
1,740	30%	1,272	26%										
1,740	30%	1,272	26%										
1,739	30%	1,268	26%										
1,739	30%	1,267	26%										
1,739	30%	1,265	26%										
1,739	30%	1,264	26%										
1,739	30%	1,262	26%										
1,738	30%	1,255	26%										
1,738	30%	1,252	26%										
1,738	30%	1,251	26%										
1,738	30%	1,250	26%										
1,738	30%	1,248	26%										
1,738	30%	1,245	26%										
1,738	30%	1,243	26%										
1,738	30%	1,243	26%										
1,737	30%	1,243	26%										
1,737	30%	1,241	26%										
1,737	30%	1,239	26%										
1,737	30%	1,238	26%										
1,737	30%	1,237	26%										
1,737	30%	1,233	26%										
1,737	30%	1,231	26%										
1,736	30%	1,229	26%										
1,736	30%	1,213	26%										
1,736	30%	1,206	27%										
1,736	30%	1,205	27%										
1,736	30%	1,204	27%										
1,736	30%	1,203	27%										
1,736	30%	1,202	27%										
1,735	30%	1,198	27%										
1,735	30%	1,195	27%										
1,735	30%	1,192	27%										
1,735	30%	1,187	27%										
1,735	30%	1,186	27%										
1,735	30%	1,183	27%										
1,735	30%	1,178	27%										
1,735	30%	1,178	27%										
1,734	30%	1,175	27%										
1,734	30%	1,175	27%										
1,734	30%	1,175	27%										
1,734	30%	1,174	27%										
1,733	30%	1,172	27%										
1,733	30%	1,172	27%										
1,733	30%	1,171	27%										
1,733	30%	1,170	27%										
1,733	30%	1,170	27%										
1,733	30%	1,169	27%										
1,733	30%	1,169	27%										
1,732	30%	1,168	27%										
1,732	30%	1,167	27%										
1,732	30%	1,166	27%										
1,732	30%	1,166	27%										
1,732	30%	1,166	27%										
1,732	30%	1,165	27%										
1,732	30%	1,165	27%										
1,731	30%	1,164	27%										
1,731	30%	1,164	27%										
1,731	30%	1,163	27%										
1,731	30%	1,162	27%										
1,731	30%	1,162	27%										
1,731	30%	1,160	27%										
1,731	30%	1,160	27%										
1,730	30%	1,159	27%										
1,730	30%	1,158	27%										
1,730	30%	1,158	27%										
1,730	30%	1,157	27%										
1,730	30%	1,155	27%										
1,730	30%	1,154	27%										
1,730	30%	1,153	28%										
1,729	30%	1,153	28%										
1,729	30%	1,153	28%										
1,729	30%	1,152	28%										
1,729	30%	1,151	28%										
1,729	30%	1,151	28%										
1,729	30%	1,151	28%										
1,729	30%	1,150	28%										
1,728	30%	1,150	28%										
1,728	30%	1,149	28%										
1,728	30%	1,149	28%										
1,728	30%	1,148	28%										
1,728	30%	1,147	28%										
1,728	30%	1,147	28%										
1,728	30%	1,147	28%										
1,727	30%	1,146	28%										
1,727	30%	1,145	28%										
1,727	30%	1,145	28%										
1,727	30%	1,144	28%										
1,727	30%	1,144	28%										
1,727	30%	1,144	28%										
1,727	30%	1,143	28%										
1,727	30%	1,143	28%										
1,727	30%	1,141	28%										
1,726	30%	1,141	28%										
1,726	30%	1,141	28%										
1,726	30%	1,140	28%										
1,726	30%	1,139	28%										
1,726	30%	1,137	28%										
1,726	30%	1,137	29%										
1,725	30%	1,136	29%										
1,725	30%	1,136	29%										
1,725	30%	1,136	29%										
1,725	30%	1,135	29%										
1,725	30%	1,135	29%										
1,725	30%	1,135	29%										
1,725	30%	1,133	29%										
1,725	31%	1,133	29%										
1,724	31%	1,133	29%										
1,724	31%	1,132	29%										
1,724	31%	1,132	29%										
1,724	31%	1,132	29%										
1,724	31%	1,132	29%										
1,724	31%	1,131	29%										
1,723	31%	1,130	29%										
1,723	31%	1,130	29%										
1,723	31%	1,130	29%										
1,723	31%	1,127	29%										
1,723	31%	1,127	29%										
1,723	31%	1,126	29%										
1,723	31%	1,125	29%										
1,722	31%	1,124	29%										
1,722	31%	1,124	29%										
1,722	31%	1,124	29%										
1,722	31%	1,123	29%										
1,722	31%	1,123	29%										
1,722	31%	1,122	29%										
1,721	31%	1,122	29%										
1,721	31%	1,117	29%										
1,721	31%	1,110	29%										
1,721	31%	1,108	29%										
1,721	31%	1,107	29%										
1,721	31%	1,104	29%										

Annual		January		February		March		April		May		June	
Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance
739	54%												
738	54%												
738	54%												
737	54%												
737	54%												
737	54%												
737	54%												
736	54%												
736	54%												
736	54%												
735	54%												
735	54%												
734	54%												
734	54%												
734	54%												
733	54%												
733	54%												
733	54%												
733	54%												
732	54%												
732	54%												
732	54%												
732	54%												
731	54%												
731	54%												
730	54%												
730	54%												
730	54%												
729	54%												
729	54%												
729	54%												
729	54%												
728	54%												
728	54%												
727	54%												
727	54%												
726	54%												
726	54%												
726	54%												
725	54%												
725	54%												
725	54%												
725	54%												
724	54%												
724	54%												
724	54%												
724	54%												
723	54%												
723	54%												
723	54%												
722	54%												
722	54%												
722	54%												
722	54%												
721	54%												
721	54%												
721	54%												
721	54%												
720	54%												
719	54%												
719	54%												
719	54%												
718	54%												
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Annual		January		February		March		April		May		June	
Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance
554	57%												
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Ellsworth Dam Tabular Flow Duration Data
 Source: Flow generated from Ellsworth hourly generation data
 Period of Record: August 2007 - December 2015

July		August		September		October		November		December	
Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance
2,572	0%	2,501	0%	2,583	0%	2,569	0%	2,537	0%	2,555	0%
2,571	0%	2,498	0%	2,582	0%	2,564	0%	2,535	0%	2,554	0%
2,571	0%	2,496	0%	2,576	0%	2,562	0%	2,534	0%	2,554	0%
2,570	0%	2,493	0%	2,575	0%	2,525	0%	2,531	0%	2,552	0%
2,570	0%	2,490	0%	2,572	0%	2,525	0%	2,531	0%	2,511	0%
2,567	0%	2,485	0%	2,571	0%	2,524	0%	2,530	0%	2,507	0%
2,567	0%	2,482	0%	2,568	0%	2,516	0%	2,529	0%	2,505	0%
2,563	0%	2,479	0%	2,567	0%	2,513	0%	2,521	0%	2,504	0%
2,559	0%	2,478	0%	2,567	0%	2,513	0%	2,518	0%	2,503	0%
2,553	0%	2,476	0%	2,566	0%	2,511	0%	2,518	0%	2,501	0%
2,527	0%	2,474	0%	2,560	0%	2,509	0%	2,518	0%	2,501	0%
2,493	0%	2,465	0%	2,559	0%	2,506	0%	2,517	0%	2,501	0%
2,480	0%	2,462	0%	2,558	0%	2,505	0%	2,516	0%	2,500	0%
2,473	0%	2,461	0%	2,558	0%	2,504	0%	2,516	0%	2,499	0%
2,444	0%	2,460	0%	2,556	0%	2,504	0%	2,515	0%	2,498	0%
2,443	0%	2,458	0%	2,553	0%	2,497	0%	2,512	0%	2,497	0%
2,427	0%	2,456	0%	2,553	0%	2,496	0%	2,512	0%	2,496	0%
2,424	0%	2,456	0%	2,552	0%	2,495	0%	2,511	0%	2,491	0%
2,416	0%	2,454	0%	2,552	0%	2,495	0%	2,509	0%	2,491	0%
2,413	0%	2,454	0%	2,551	0%	2,495	0%	2,509	0%	2,491	0%
2,412	0%	2,453	0%	2,550	0%	2,494	0%	2,508	0%	2,491	0%
2,409	0%	2,452	0%	2,550	0%	2,493	0%	2,508	0%	2,490	0%
2,400	0%	2,451	0%	2,548	0%	2,490	0%	2,505	0%	2,490	0%
2,400	0%	2,450	0%	2,544	0%	2,489	0%	2,505	1%	2,490	0%
2,399	0%	2,446	1%	2,543	0%	2,487	0%	2,504	1%	2,489	1%
2,398	0%	2,444	1%	2,543	1%	2,487	0%	2,503	1%	2,489	1%
2,397	1%	2,442	1%	2,543	1%	2,486	1%	2,503	1%	2,488	1%
2,397	1%	2,441	1%	2,542	1%	2,486	1%	2,502	1%	2,488	1%
2,397	1%	2,441	1%	2,542	1%	2,485	1%	2,502	1%	2,488	1%
2,396	1%	2,441	1%	2,542	1%	2,485	1%	2,502	1%	2,487	1%
2,395	1%	2,441	1%	2,541	1%	2,484	1%	2,501	1%	2,487	1%
2,394	1%	2,440	1%	2,541	1%	2,483	1%	2,501	1%	2,486	1%
2,393	1%	2,440	1%	2,540	1%	2,483	1%	2,501	1%	2,486	1%
2,392	1%	2,440	1%	2,540	1%	2,482	1%	2,501	1%	2,485	1%
2,392	1%	2,440	1%	2,540	1%	2,482	1%	2,500	1%	2,485	1%
2,391	1%	2,439	1%	2,539	1%	2,480	1%	2,500	1%	2,485	1%
2,388	1%	2,438	1%	2,538	1%	2,480	1%	2,500	1%	2,485	1%
2,388	1%	2,438	1%	2,538	1%	2,480	1%	2,500	1%	2,484	1%
2,387	1%	2,437	1%	2,537	1%	2,480	1%	2,499	1%	2,484	1%
2,385	1%	2,435	1%	2,535	1%	2,479	1%	2,499	1%	2,483	1%
2,385	1%	2,432	1%	2,534	1%	2,478	1%	2,499	1%	2,483	1%
2,383	1%	2,432	1%	2,530	1%	2,477	1%	2,498	1%	2,483	1%
2,380	1%	2,430	1%	2,530	1%	2,477	1%	2,498	1%	2,482	1%
2,379	1%	2,429	1%	2,530	1%	2,473	1%	2,498	1%	2,482	1%
2,379	1%	2,429	1%	2,529	1%	2,472	1%	2,498	1%	2,482	1%
2,377	1%	2,428	1%	2,529	1%	2,472	1%	2,497	1%	2,481	1%
2,377	1%	2,427	1%	2,527	1%	2,470	1%	2,497	1%	2,481	1%
2,377	1%	2,427	1%	2,526	1%	2,469	1%	2,496	2%	2,480	1%
2,376	1%	2,427	1%	2,526	1%	2,469	1%	2,496	2%	2,480	1%
2,375	1%	2,426	1%	2,524	1%	2,468	1%	2,496	2%	2,480	1%
2,375	1%	2,425	1%	2,523	1%	2,467	1%	2,496	2%	2,480	1%
2,374	1%	2,425	1%	2,521	1%	2,467	1%	2,495	2%	2,479	1%
2,374	1%	2,424	1%	2,520	1%	2,466	1%	2,495	2%	2,479	1%
2,373	1%	2,424	1%	2,519	1%	2,465	1%	2,495	2%	2,479	2%
2,373	1%	2,423	1%	2,519	1%	2,465	1%	2,495	2%	2,478	2%
2,372	1%	2,422	1%	2,519	1%	2,464	1%	2,494	2%	2,478	2%
2,372	1%	2,422	1%	2,519	1%	2,464	1%	2,494	2%	2,478	2%
2,371	1%	2,422	1%	2,518	1%	2,462	1%	2,494	2%	2,477	2%
2,371	1%	2,421	1%	2,518	1%	2,462	1%	2,493	2%	2,477	2%
2,369	1%	2,420	1%	2,518	1%	2,461	1%	2,493	2%	2,477	2%
2,369	1%	2,420	1%	2,517	1%	2,461	1%	2,493	2%	2,477	2%
2,369	1%	2,419	1%	2,517	1%	2,460	1%	2,492	2%	2,476	2%
2,367	1%	2,419	1%	2,517	1%	2,460	1%	2,491	2%	2,476	2%
2,367	1%	2,418	1%	2,517	1%	2,460	1%	2,491	3%	2,475	2%
2,367	1%	2,417	1%	2,516	1%	2,459	1%	2,491	3%	2,475	2%
2,366	1%	2,416	1%	2,516	2%	2,459	1%	2,490	3%	2,475	2%
2,366	1%	2,416	1%	2,516	2%	2,459	2%	2,490	3%	2,475	3%
2,366	1%	2,415	1%	2,516	2%	2,458	2%	2,490	3%	2,474	3%
2,365	1%	2,414	1%	2,515	2%	2,458	2%	2,490	3%	2,474	3%
2,365	1%	2,414	1%	2,515	2%	2,458	2%	2,488	3%	2,474	3%
2,364	1%	2,411	1%	2,514	2%	2,458	2%	2,488	3%	2,474	3%
2,364	1%	2,409	1%	2,514	2%	2,457	2%	2,487	3%	2,473	3%
2,363	1%	2,408	2%	2,514	2%	2,457	2%	2,487	3%	2,473	3%
2,361	1%	2,408	2%	2,514	2%	2,456	2%	2,487	3%	2,473	3%
2,361	2%	2,407	2%	2,513	2%	2,456	2%	2,486	3%	2,472	3%
2,361	2%	2,404	2%	2,513	2%	2,456	2%	2,486	3%	2,472	3%
2,359	2%	2,403	2%	2,512	2%	2,455	2%	2,485	3%	2,472	3%
2,357	2%	2,401	2%	2,512	2%	2,454	2%	2,485	3%	2,471	3%
2,356	2%	2,393	2%	2,512	2%	2,454	2%	2,485	3%	2,471	3%
2,355	2%	2,392	2%	2,512	2%	2,453	2%	2,484	3%	2,471	3%
2,353	2%	2,391	2%	2,511	2%	2,453	2%	2,484	3%	2,471	3%
2,352	2%	2,390	2%	2,511	2%	2,452	2%	2,484	3%	2,470	3%
2,352	2%	2,387	2%	2,510	2%	2,452	2%	2,483	3%	2,470	3%
2,351	2%	2,387	2%	2,510	2%	2,452	2%	2,483	3%	2,469	3%

Ellsworth Dam Tabular Flow Duration Data
 Source: Flow generated from Ellsworth hourly generation data
 Period of Record: August 2007 - December 2015

July		August		September		October		November		December	
Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance
2,351	2%	2,385	2%	2,509	2%	2,451	2%	2,483	3%	2,469	3%
2,350	2%	2,385	2%	2,509	2%	2,451	2%	2,482	3%	2,469	3%
2,350	2%	2,383	2%	2,509	2%	2,451	2%	2,482	3%	2,469	3%
2,349	2%	2,383	2%	2,506	2%	2,450	2%	2,482	3%	2,468	3%
2,348	2%	2,370	2%	2,506	2%	2,450	2%	2,481	3%	2,468	3%
2,348	2%	2,365	2%	2,504	2%	2,450	2%	2,480	3%	2,468	3%
2,347	2%	2,362	2%	2,503	2%	2,450	2%	2,480	3%	2,467	3%
2,347	2%	2,260	2%	2,503	2%	2,448	2%	2,480	4%	2,467	3%
2,346	2%	1,982	2%	2,502	2%	2,448	2%	2,480	4%	2,467	3%
2,346	2%	1,954	2%	2,502	2%	2,447	2%	2,479	4%	2,467	4%
2,345	2%	1,954	2%	2,500	2%	2,447	2%	2,479	4%	2,466	4%
2,344	2%	1,953	2%	2,500	2%	2,447	2%	2,478	4%	2,466	4%
2,344	2%	1,951	2%	2,500	2%	2,446	2%	2,477	4%	2,466	4%
2,344	2%	1,950	2%	2,495	2%	2,446	2%	2,477	4%	2,465	4%
2,342	2%	1,950	2%	2,494	2%	2,446	2%	2,476	4%	2,465	4%
2,341	2%	1,949	2%	2,494	2%	2,446	2%	2,476	4%	2,464	4%
2,341	2%	1,948	2%	2,493	2%	2,445	3%	2,476	4%	2,464	4%
2,340	2%	1,948	2%	2,490	2%	2,445	3%	2,475	4%	2,464	4%
2,340	2%	1,947	2%	2,488	2%	2,445	3%	2,475	4%	2,463	4%
2,339	2%	1,946	2%	2,487	2%	2,445	3%	2,475	4%	2,463	4%
2,339	2%	1,946	2%	2,480	2%	2,444	3%	2,474	4%	2,462	4%
2,338	2%	1,945	2%	2,479	2%	2,444	3%	2,474	4%	2,462	4%
2,338	2%	1,945	2%	2,478	2%	2,444	3%	2,473	4%	2,461	4%
2,336	2%	1,945	2%	2,478	3%	2,443	3%	2,473	4%	2,461	4%
2,336	2%	1,944	2%	2,477	3%	2,443	3%	2,472	4%	2,460	4%
2,334	2%	1,944	2%	2,476	3%	2,443	3%	2,472	4%	2,460	4%
2,333	2%	1,943	2%	2,475	3%	2,443	3%	2,472	4%	2,460	4%
2,333	2%	1,940	2%	2,474	3%	2,442	3%	2,471	4%	2,459	4%
2,333	2%	1,940	2%	2,470	3%	2,442	3%	2,470	4%	2,459	4%
2,332	2%	1,940	2%	2,468	3%	2,442	3%	2,470	5%	2,459	4%
2,331	2%	1,939	2%	2,463	3%	2,441	3%	2,469	5%	2,458	4%
2,330	2%	1,939	2%	2,462	3%	2,441	3%	2,469	5%	2,458	4%
2,329	2%	1,939	2%	2,462	3%	2,441	3%	2,468	5%	2,458	4%
2,327	2%	1,938	2%	2,458	3%	2,440	3%	2,467	5%	2,457	4%
2,326	2%	1,938	2%	2,456	3%	2,440	3%	2,467	5%	2,457	4%
2,325	2%	1,938	2%	2,446	3%	2,440	3%	2,467	5%	2,457	4%
2,324	2%	1,938	3%	2,444	3%	2,439	3%	2,466	5%	2,456	4%
2,321	2%	1,937	3%	2,423	3%	2,439	3%	2,466	5%	2,456	5%
2,321	2%	1,937	3%	2,423	3%	2,438	3%	2,466	5%	2,456	5%
2,318	3%	1,937	3%	2,422	3%	2,438	3%	2,465	5%	2,456	5%
2,315	3%	1,937	3%	2,421	3%	2,438	3%	2,464	5%	2,455	5%
2,315	3%	1,936	3%	2,417	3%	2,437	3%	2,463	5%	2,455	5%
2,314	3%	1,936	3%	2,417	3%	2,437	3%	2,463	5%	2,455	5%
2,312	3%	1,936	3%	2,414	3%	2,437	3%	2,462	5%	2,454	5%
2,312	3%	1,935	3%	2,412	3%	2,436	4%	2,462	5%	2,454	5%
2,311	3%	1,935	3%	2,412	3%	2,436	4%	2,461	5%	2,454	5%
2,307	3%	1,935	3%	2,411	3%	2,436	4%	2,460	5%	2,454	5%
2,304	3%	1,934	3%	2,397	3%	2,435	4%	2,460	5%	2,453	5%
2,301	3%	1,934	3%	2,395	3%	2,435	4%	2,459	5%	2,453	5%
2,298	3%	1,934	3%	2,389	3%	2,435	4%	2,459	5%	2,453	6%
2,297	3%	1,933	3%	2,369	3%	2,434	4%	2,458	5%	2,453	6%
2,296	3%	1,933	3%	2,352	3%	2,434	4%	2,457	5%	2,452	6%
2,295	3%	1,933	3%	2,352	3%	2,433	4%	2,457	5%	2,452	6%
2,290	3%	1,933	3%	2,344	3%	2,433	4%	2,456	5%	2,452	6%
2,285	3%	1,932	3%	2,332	3%	2,433	4%	2,456	5%	2,451	6%
2,285	3%	1,932	3%	2,329	3%	2,432	4%	2,455	5%	2,451	6%
2,282	3%	1,931	3%	2,326	3%	2,432	4%	2,455	5%	2,451	6%
2,281	3%	1,931	3%	2,318	3%	2,432	4%	2,455	5%	2,451	7%
2,280	3%	1,930	3%	2,290	3%	2,432	4%	2,454	5%	2,450	7%
2,279	3%	1,928	3%	2,280	3%	2,431	4%	2,454	6%	2,450	7%
2,277	3%	1,927	3%	2,279	3%	2,431	4%	2,454	6%	2,450	7%
2,277	3%	1,927	3%	2,267	3%	2,431	4%	2,454	6%	2,449	7%
2,277	3%	1,926	3%	2,229	3%	2,430	4%	2,453	6%	2,449	7%
2,276	3%	1,926	3%	2,178	3%	2,430	4%	2,453	6%	2,449	7%
2,274	3%	1,925	3%	2,175	3%	2,430	4%	2,453	6%	2,448	7%
2,269	3%	1,925	4%	2,175	3%	2,430	4%	2,453	6%	2,448	7%
2,264	3%	1,924	4%	2,166	3%	2,429	4%	2,452	6%	2,448	8%
2,263	3%	1,924	4%	2,139	3%	2,429	5%	2,452	6%	2,448	8%
2,253	3%	1,923	4%	2,108	3%	2,428	5%	2,451	6%	2,447	8%
2,251	3%	1,922	4%	2,027	3%	2,428	5%	2,451	6%	2,447	8%
2,246	3%	1,921	4%	2,023	3%	2,428	5%	2,451	6%	2,447	8%
2,246	3%	1,921	4%	2,019	3%	2,427	5%	2,451	6%	2,446	8%
2,244	3%	1,921	4%	1,973	3%	2,427	5%	2,450	6%	2,446	8%
2,197	3%	1,920	4%	1,973	3%	2,427	5%	2,450	6%	2,446	8%
2,138	3%	1,919	4%	1,970	3%	2,426	5%	2,450	6%	2,446	8%
2,099	3%	1,919	4%	1,965	3%	2,426	5%	2,449	6%	2,445	8%
1,973	3%	1,918	4%	1,961	3%	2,425	5%	2,449	6%	2,445	9%
1,972	3%	1,918	4%	1,959	3%	2,424	5%	2,448	6%	2,445	9%
1,971	3%	1,917	4%	1,951	4%	2,423	5%	2,448	6%	2,445	9%
1,970	3%	1,916	4%	1,945	4%	2,422	5%	2,447	6%	2,444	9%
1,970	3%	1,916	4%	1,941	4%	2,422	5%	2,447	6%	2,444	9%
1,970	3%	1,915	4%	1,937	4%	2,421	5%	2,446	6%	2,444	9%
1,969	3%	1,914	4%	1,935	4%	2,421	5%	2,446	6%	2,443	9%
1,969	3%	1,914	4%	1,930	4%	2,420	5%	2,446	6%	2,443	9%

Ellsworth Dam Tabular Flow Duration Data
 Source: Flow generated from Ellsworth hourly generation data
 Period of Record: August 2007 - December 2015

July		August		September		October		November		December	
Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance
1,968	3%	1,913	4%	1,930	4%	2,419	5%	2,446	6%	2,443	10%
1,967	3%	1,912	4%	1,929	4%	2,419	5%	2,445	7%	2,443	10%
1,967	3%	1,909	4%	1,929	4%	2,418	5%	2,445	7%	2,442	10%
1,966	4%	1,905	4%	1,927	4%	2,418	5%	2,445	7%	2,442	10%
1,966	4%	1,900	4%	1,926	4%	2,417	5%	2,445	7%	2,442	10%
1,966	4%	1,899	4%	1,925	4%	2,417	5%	2,444	7%	2,441	10%
1,966	4%	1,899	4%	1,925	4%	2,417	5%	2,444	7%	2,441	10%
1,964	4%	1,897	4%	1,925	4%	2,416	5%	2,444	7%	2,441	10%
1,964	4%	1,895	4%	1,924	4%	2,416	5%	2,443	7%	2,441	10%
1,962	4%	1,894	4%	1,924	4%	2,415	5%	2,443	7%	2,440	11%
1,962	4%	1,892	4%	1,924	4%	2,415	5%	2,442	7%	2,440	11%
1,962	4%	1,890	4%	1,923	4%	2,415	6%	2,442	7%	2,440	11%
1,961	4%	1,889	4%	1,923	4%	2,414	6%	2,441	7%	2,440	11%
1,961	4%	1,889	4%	1,923	4%	2,414	6%	2,441	7%	2,439	11%
1,960	4%	1,887	4%	1,922	4%	2,414	6%	2,441	7%	2,439	11%
1,960	4%	1,887	4%	1,921	4%	2,414	6%	2,441	7%	2,439	11%
1,959	4%	1,886	4%	1,921	4%	2,413	6%	2,440	7%	2,438	11%
1,959	4%	1,883	4%	1,919	4%	2,413	6%	2,440	7%	2,438	11%
1,959	4%	1,882	4%	1,919	4%	2,412	6%	2,440	7%	2,438	12%
1,958	4%	1,881	4%	1,918	4%	2,412	6%	2,440	7%	2,438	12%
1,958	4%	1,881	4%	1,917	4%	2,412	6%	2,439	7%	2,437	12%
1,957	4%	1,880	4%	1,915	4%	2,412	6%	2,439	8%	2,437	12%
1,957	4%	1,880	4%	1,915	4%	2,411	6%	2,439	8%	2,437	12%
1,956	4%	1,878	4%	1,914	4%	2,411	6%	2,438	8%	2,437	12%
1,956	4%	1,875	4%	1,913	4%	2,411	6%	2,438	8%	2,436	12%
1,955	4%	1,874	4%	1,912	4%	2,410	6%	2,438	8%	2,436	12%
1,954	4%	1,874	4%	1,910	4%	2,410	6%	2,438	8%	2,436	12%
1,953	4%	1,872	4%	1,909	4%	2,410	6%	2,437	8%	2,435	13%
1,953	4%	1,871	4%	1,909	4%	2,409	6%	2,437	8%	2,435	13%
1,952	4%	1,870	4%	1,906	4%	2,409	6%	2,437	8%	2,435	13%
1,952	4%	1,868	4%	1,906	4%	2,409	6%	2,437	8%	2,435	13%
1,951	4%	1,867	4%	1,905	4%	2,409	6%	2,436	8%	2,434	13%
1,951	4%	1,867	4%	1,904	4%	2,408	6%	2,436	8%	2,434	13%
1,951	4%	1,866	5%	1,904	4%	2,408	6%	2,435	8%	2,434	13%
1,950	4%	1,865	5%	1,903	5%	2,407	6%	2,435	8%	2,433	13%
1,950	4%	1,865	5%	1,903	5%	2,407	6%	2,435	8%	2,433	13%
1,948	4%	1,864	5%	1,903	5%	2,406	6%	2,435	8%	2,433	13%
1,947	4%	1,863	5%	1,902	5%	2,406	6%	2,434	9%	2,433	13%
1,946	4%	1,862	5%	1,901	5%	2,405	6%	2,434	9%	2,432	13%
1,945	5%	1,862	5%	1,901	5%	2,405	6%	2,434	9%	2,432	14%
1,945	5%	1,857	5%	1,900	5%	2,404	6%	2,433	9%	2,432	14%
1,944	5%	1,856	5%	1,899	5%	2,404	6%	2,433	9%	2,432	14%
1,944	5%	1,855	5%	1,898	5%	2,403	6%	2,433	9%	2,431	14%
1,944	5%	1,854	5%	1,896	5%	2,403	7%	2,432	9%	2,431	14%
1,943	5%	1,853	5%	1,896	5%	2,403	7%	2,432	9%	2,431	14%
1,942	5%	1,853	5%	1,896	5%	2,402	7%	2,432	9%	2,430	14%
1,942	5%	1,851	5%	1,894	5%	2,402	7%	2,432	9%	2,430	14%
1,941	5%	1,846	5%	1,894	5%	2,402	7%	2,431	9%	2,430	14%
1,941	5%	1,844	5%	1,893	5%	2,401	7%	2,431	9%	2,430	14%
1,940	5%	1,843	5%	1,892	5%	2,401	7%	2,431	9%	2,429	14%
1,939	5%	1,842	5%	1,891	5%	2,401	7%	2,430	9%	2,429	14%
1,939	5%	1,841	5%	1,889	5%	2,401	7%	2,430	9%	2,429	14%
1,937	5%	1,840	5%	1,887	5%	2,400	7%	2,430	9%	2,429	14%
1,933	5%	1,839	5%	1,887	5%	2,400	7%	2,429	9%	2,428	14%
1,930	5%	1,839	5%	1,886	5%	2,399	7%	2,429	9%	2,428	14%
1,927	5%	1,838	5%	1,885	5%	2,399	7%	2,429	10%	2,428	14%
1,927	5%	1,838	5%	1,884	5%	2,398	7%	2,428	10%	2,427	14%
1,927	5%	1,838	5%	1,884	5%	2,398	7%	2,427	10%	2,427	14%
1,927	5%	1,837	5%	1,882	5%	2,397	7%	2,427	10%	2,427	15%
1,926	5%	1,837	5%	1,882	5%	2,396	7%	2,427	10%	2,427	15%
1,926	5%	1,836	5%	1,881	5%	2,396	7%	2,427	10%	2,426	15%
1,925	5%	1,836	5%	1,880	5%	2,396	7%	2,426	10%	2,426	15%
1,924	5%	1,835	5%	1,879	5%	2,395	7%	2,426	10%	2,425	15%
1,924	5%	1,835	5%	1,879	5%	2,395	7%	2,426	10%	2,425	15%
1,923	5%	1,835	5%	1,879	5%	2,395	7%	2,425	10%	2,425	15%
1,922	5%	1,834	5%	1,878	5%	2,394	7%	2,425	10%	2,425	15%
1,922	5%	1,834	5%	1,878	5%	2,394	7%	2,425	10%	2,424	15%
1,922	5%	1,834	5%	1,877	5%	2,393	7%	2,425	10%	2,424	15%
1,921	5%	1,833	5%	1,877	5%	2,393	7%	2,424	10%	2,424	15%
1,921	5%	1,832	5%	1,877	5%	2,393	7%	2,424	10%	2,424	15%
1,921	5%	1,832	5%	1,876	5%	2,392	7%	2,424	10%	2,423	15%
1,920	5%	1,831	5%	1,876	5%	2,392	7%	2,424	10%	2,423	15%
1,920	5%	1,830	5%	1,875	5%	2,392	7%	2,423	11%	2,423	15%
1,920	5%	1,830	5%	1,875	5%	2,391	7%	2,423	11%	2,422	15%
1,919	5%	1,829	5%	1,874	5%	2,391	7%	2,423	11%	2,422	15%
1,919	5%	1,829	5%	1,874	5%	2,390	7%	2,422	11%	2,422	15%
1,918	5%	1,829	5%	1,873	5%	2,390	8%	2,422	11%	2,422	16%
1,917	5%	1,829	5%	1,873	6%	2,389	8%	2,422	11%	2,421	16%
1,917	5%	1,828	5%	1,872	6%	2,389	8%	2,421	11%	2,421	16%
1,917	5%	1,827	5%	1,872	6%	2,388	8%	2,421	11%	2,421	16%
1,916	5%	1,827	6%	1,872	6%	2,388	8%	2,421	11%	2,421	16%
1,916	5%	1,827	6%	1,872	6%	2,388	8%	2,421	11%	2,420	16%
1,915	5%	1,826	6%	1,871	6%	2,387	8%	2,420	11%	2,420	16%
1,915	5%	1,825	6%	1,871	6%	2,387	8%	2,420	11%	2,420	16%

Ellsworth Dam Tabular Flow Duration Data
 Source: Flow generated from Ellsworth hourly generation data
 Period of Record: August 2007 - December 2015

July		August		September		October		November		December	
Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance
1,915	5%	1,824	6%	1,871	6%	2,387	8%	2,420	11%	2,419	16%
1,914	6%	1,823	6%	1,870	6%	2,386	8%	2,419	11%	2,419	16%
1,914	6%	1,822	6%	1,870	6%	2,385	8%	2,419	11%	2,419	16%
1,914	6%	1,822	6%	1,870	6%	2,385	8%	2,419	11%	2,419	16%
1,912	6%	1,821	6%	1,869	6%	2,385	8%	2,419	11%	2,418	16%
1,911	6%	1,821	6%	1,869	6%	2,384	8%	2,418	11%	2,418	16%
1,909	6%	1,819	6%	1,869	6%	2,384	8%	2,418	11%	2,418	16%
1,909	6%	1,818	6%	1,868	6%	2,384	8%	2,418	11%	2,417	16%
1,906	6%	1,817	6%	1,868	6%	2,383	8%	2,417	12%	2,417	16%
1,906	6%	1,817	6%	1,868	6%	2,383	8%	2,417	12%	2,417	16%
1,905	6%	1,816	6%	1,867	6%	2,382	8%	2,417	12%	2,416	17%
1,905	6%	1,816	6%	1,867	7%	2,382	8%	2,417	12%	2,416	17%
1,904	6%	1,816	6%	1,867	7%	2,382	8%	2,416	12%	2,416	17%
1,904	6%	1,813	6%	1,867	7%	2,381	8%	2,416	12%	2,415	17%
1,903	6%	1,813	6%	1,866	7%	2,381	8%	2,415	12%	2,415	17%
1,903	6%	1,812	6%	1,866	7%	2,380	8%	2,415	12%	2,415	17%
1,903	6%	1,810	6%	1,866	7%	2,380	8%	2,415	12%	2,414	17%
1,903	6%	1,810	6%	1,866	7%	2,380	8%	2,414	12%	2,414	17%
1,902	6%	1,808	6%	1,865	7%	2,380	8%	2,414	12%	2,414	17%
1,901	6%	1,808	6%	1,865	7%	2,379	8%	2,414	12%	2,414	17%
1,901	6%	1,807	6%	1,865	7%	2,379	8%	2,414	12%	2,413	17%
1,900	6%	1,806	6%	1,864	7%	2,378	8%	2,413	12%	2,413	17%
1,900	6%	1,805	6%	1,864	7%	2,378	8%	2,413	12%	2,412	17%
1,900	6%	1,805	6%	1,864	7%	2,378	8%	2,413	12%	2,411	17%
1,899	6%	1,804	6%	1,864	7%	2,377	8%	2,412	12%	2,411	17%
1,898	6%	1,804	6%	1,863	7%	2,376	9%	2,412	12%	2,411	17%
1,898	6%	1,804	6%	1,863	7%	2,376	9%	2,412	12%	2,410	17%
1,898	6%	1,803	6%	1,863	7%	2,376	9%	2,412	12%	2,410	17%
1,898	6%	1,803	6%	1,862	7%	2,375	9%	2,411	12%	2,410	17%
1,897	6%	1,802	6%	1,862	8%	2,375	9%	2,411	12%	2,409	17%
1,897	6%	1,802	6%	1,862	8%	2,374	9%	2,411	13%	2,409	17%
1,896	6%	1,801	7%	1,861	8%	2,374	9%	2,410	13%	2,409	17%
1,895	6%	1,800	7%	1,861	8%	2,374	9%	2,410	13%	2,409	17%
1,895	6%	1,799	7%	1,861	8%	2,374	9%	2,409	13%	2,408	17%
1,895	6%	1,797	7%	1,861	8%	2,372	9%	2,409	13%	2,408	17%
1,894	6%	1,797	7%	1,860	8%	2,372	9%	2,409	13%	2,407	17%
1,894	6%	1,796	7%	1,860	8%	2,371	9%	2,408	13%	2,407	17%
1,893	6%	1,796	7%	1,860	8%	2,370	9%	2,408	13%	2,406	17%
1,892	6%	1,795	7%	1,859	8%	2,370	9%	2,408	13%	2,406	17%
1,892	6%	1,795	7%	1,859	8%	2,369	9%	2,407	13%	2,406	18%
1,891	6%	1,794	7%	1,859	8%	2,369	9%	2,407	13%	2,405	18%
1,891	6%	1,792	7%	1,859	8%	2,369	9%	2,407	13%	2,404	18%
1,891	7%	1,791	7%	1,858	8%	2,368	9%	2,406	13%	2,404	18%
1,890	7%	1,791	7%	1,858	8%	2,368	9%	2,406	13%	2,404	18%
1,890	7%	1,789	7%	1,858	8%	2,367	9%	2,405	13%	2,404	18%
1,890	7%	1,788	7%	1,858	8%	2,367	9%	2,405	13%	2,403	18%
1,889	7%	1,786	7%	1,857	8%	2,367	9%	2,404	13%	2,403	18%
1,889	7%	1,785	7%	1,857	8%	2,366	9%	2,404	13%	2,402	18%
1,888	7%	1,783	7%	1,857	8%	2,366	9%	2,404	13%	2,402	18%
1,888	7%	1,780	7%	1,856	9%	2,365	9%	2,403	14%	2,401	18%
1,887	7%	1,779	7%	1,856	9%	2,365	9%	2,403	14%	2,401	18%
1,887	7%	1,777	7%	1,856	9%	2,365	9%	2,403	14%	2,401	18%
1,887	7%	1,776	7%	1,856	9%	2,364	9%	2,403	14%	2,400	18%
1,887	7%	1,775	7%	1,855	9%	2,364	9%	2,402	14%	2,400	18%
1,886	7%	1,773	7%	1,855	9%	2,364	9%	2,402	14%	2,400	18%
1,885	7%	1,772	7%	1,854	9%	2,363	9%	2,402	14%	2,400	18%
1,883	7%	1,772	7%	1,854	9%	2,363	9%	2,401	14%	2,399	18%
1,883	7%	1,771	7%	1,854	9%	2,363	10%	2,400	14%	2,399	18%
1,883	7%	1,769	7%	1,854	9%	2,362	10%	2,400	14%	2,398	18%
1,882	7%	1,768	7%	1,853	9%	2,362	10%	2,400	14%	2,398	18%
1,882	7%	1,766	7%	1,853	9%	2,362	10%	2,400	14%	2,397	18%
1,882	7%	1,764	7%	1,853	9%	2,361	10%	2,399	14%	2,397	18%
1,882	7%	1,762	7%	1,852	9%	2,361	10%	2,399	14%	2,396	18%
1,881	7%	1,762	7%	1,852	9%	2,360	10%	2,398	14%	2,395	18%
1,881	7%	1,759	7%	1,852	9%	2,360	10%	2,398	14%	2,394	18%
1,880	7%	1,753	7%	1,851	10%	2,360	10%	2,398	14%	2,394	18%
1,880	7%	1,752	7%	1,851	10%	2,359	10%	2,397	14%	2,393	18%
1,880	7%	1,752	7%	1,851	10%	2,359	10%	2,397	14%	2,393	18%
1,880	7%	1,752	7%	1,851	10%	2,359	10%	2,396	14%	2,393	18%
1,879	7%	1,750	7%	1,850	10%	2,359	10%	2,396	14%	2,393	18%
1,878	7%	1,745	7%	1,850	10%	2,358	10%	2,395	14%	2,392	18%
1,877	7%	1,740	7%	1,850	10%	2,358	10%	2,395	14%	2,392	18%
1,877	7%	1,738	7%	1,850	10%	2,357	10%	2,395	14%	2,392	18%
1,876	7%	1,736	7%	1,849	10%	2,356	10%	2,394	14%	2,391	18%
1,876	7%	1,729	7%	1,849	10%	2,354	10%	2,394	15%	2,391	18%
1,875	7%	1,729	7%	1,849	10%	2,354	10%	2,394	15%	2,390	18%
1,874	8%	1,724	7%	1,848	10%	2,354	10%	2,393	15%	2,390	18%
1,873	8%	1,653	7%	1,848	10%	2,352	10%	2,393	15%	2,390	18%
1,872	8%	1,620	7%	1,848	10%	2,351	10%	2,393	15%	2,389	18%
1,872	8%	1,471	7%	1,848	10%	2,351	10%	2,392	15%	2,389	18%
1,872	8%	1,455	7%	1,847	10%	2,350	10%	2,392	15%	2,388	18%
1,871	8%	1,401	7%	1,847	10%	2,350	10%	2,391	15%	2,388	18%
1,871	8%	1,375	7%	1,847	11%	2,349	10%	2,391	15%	2,388	19%
1,871	8%	1,293	7%	1,846	11%	2,348	10%	2,390	15%	2,388	19%

Ellsworth Dam Tabular Flow Duration Data
 Source: Flow generated from Ellsworth hourly generation data
 Period of Record: August 2007 - December 2015

July		August		September		October		November		December	
Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance
1,870	8%	1,290	7%	1,846	11%	2,346	10%	2,390	15%	2,387	19%
1,869	8%	1,288	7%	1,846	11%	2,346	10%	2,389	15%	2,387	19%
1,869	8%	1,287	7%	1,846	11%	2,346	10%	2,389	15%	2,385	19%
1,868	8%	1,286	8%	1,845	11%	2,345	10%	2,389	15%	2,385	19%
1,868	8%	1,286	8%	1,845	11%	2,345	10%	2,387	15%	2,384	19%
1,867	8%	1,284	8%	1,845	11%	2,343	10%	2,386	15%	2,384	19%
1,867	8%	1,281	8%	1,845	11%	2,343	11%	2,386	15%	2,384	19%
1,866	8%	1,280	8%	1,844	11%	2,343	11%	2,385	15%	2,383	19%
1,866	8%	1,279	8%	1,844	11%	2,342	11%	2,385	15%	2,383	19%
1,865	8%	1,279	8%	1,844	11%	2,342	11%	2,384	15%	2,383	19%
1,865	8%	1,277	8%	1,843	11%	2,342	11%	2,384	15%	2,383	19%
1,865	8%	1,277	8%	1,843	11%	2,341	11%	2,383	15%	2,382	19%
1,864	8%	1,275	8%	1,843	11%	2,341	11%	2,383	15%	2,381	19%
1,864	8%	1,274	8%	1,842	11%	2,341	11%	2,383	15%	2,381	19%
1,864	8%	1,272	8%	1,842	11%	2,339	11%	2,382	15%	2,380	19%
1,863	8%	1,271	8%	1,842	11%	2,339	11%	2,382	15%	2,380	19%
1,863	8%	1,271	8%	1,841	12%	2,338	11%	2,381	15%	2,379	19%
1,863	8%	1,269	8%	1,841	12%	2,337	11%	2,381	15%	2,379	19%
1,862	8%	1,268	8%	1,841	12%	2,337	11%	2,381	15%	2,378	19%
1,862	8%	1,268	8%	1,840	12%	2,335	11%	2,380	15%	2,378	19%
1,862	8%	1,267	8%	1,840	12%	2,335	11%	2,380	15%	2,377	19%
1,861	9%	1,267	8%	1,840	12%	2,334	11%	2,380	16%	2,377	19%
1,861	9%	1,264	8%	1,840	12%	2,333	11%	2,379	16%	2,377	19%
1,861	9%	1,263	8%	1,839	12%	2,331	11%	2,379	16%	2,376	19%
1,860	9%	1,261	8%	1,839	12%	2,331	11%	2,379	16%	2,376	19%
1,860	9%	1,261	8%	1,839	12%	2,330	11%	2,378	16%	2,375	19%
1,860	9%	1,260	8%	1,838	12%	2,330	11%	2,378	16%	2,375	19%
1,859	9%	1,259	8%	1,838	12%	2,330	11%	2,377	16%	2,374	19%
1,859	9%	1,259	8%	1,838	12%	2,329	11%	2,377	16%	2,373	19%
1,859	9%	1,259	8%	1,838	12%	2,329	11%	2,376	16%	2,373	19%
1,859	9%	1,257	8%	1,837	12%	2,328	11%	2,376	16%	2,372	19%
1,858	9%	1,256	8%	1,837	12%	2,327	11%	2,375	16%	2,372	19%
1,858	9%	1,255	8%	1,837	12%	2,327	11%	2,375	16%	2,371	19%
1,858	9%	1,254	8%	1,837	12%	2,327	11%	2,375	16%	2,371	19%
1,858	9%	1,253	8%	1,836	13%	2,324	11%	2,374	16%	2,369	19%
1,857	9%	1,253	8%	1,836	13%	2,324	11%	2,374	16%	2,369	19%
1,857	9%	1,252	8%	1,835	13%	2,324	11%	2,374	16%	2,369	19%
1,856	9%	1,252	8%	1,835	13%	2,323	11%	2,374	16%	2,369	20%
1,856	9%	1,251	8%	1,835	13%	2,323	11%	2,373	16%	2,368	20%
1,855	9%	1,251	8%	1,834	13%	2,322	11%	2,373	16%	2,367	20%
1,855	9%	1,250	8%	1,834	13%	2,322	11%	2,373	16%	2,367	20%
1,854	9%	1,250	8%	1,834	13%	2,322	11%	2,372	16%	2,366	20%
1,854	9%	1,249	8%	1,833	13%	2,321	11%	2,372	16%	2,366	20%
1,854	9%	1,246	8%	1,833	13%	2,321	11%	2,372	16%	2,366	20%
1,854	10%	1,244	8%	1,833	13%	2,321	11%	2,371	16%	2,365	20%
1,853	10%	1,243	8%	1,833	13%	2,320	11%	2,371	16%	2,364	20%
1,853	10%	1,243	8%	1,832	13%	2,320	11%	2,371	16%	2,364	20%
1,853	10%	1,241	8%	1,832	13%	2,319	11%	2,371	16%	2,363	20%
1,853	10%	1,241	8%	1,832	13%	2,318	12%	2,370	16%	2,363	20%
1,852	10%	1,241	8%	1,832	13%	2,316	12%	2,369	17%	2,362	20%
1,852	10%	1,241	8%	1,831	13%	2,314	12%	2,369	17%	2,362	20%
1,852	10%	1,240	8%	1,831	13%	2,314	12%	2,369	17%	2,361	20%
1,851	10%	1,240	8%	1,831	13%	2,314	12%	2,368	17%	2,361	20%
1,851	10%	1,239	8%	1,830	13%	2,313	12%	2,367	17%	2,361	20%
1,851	10%	1,238	8%	1,830	13%	2,312	12%	2,367	17%	2,360	20%
1,851	10%	1,237	8%	1,830	14%	2,308	12%	2,366	17%	2,359	20%
1,850	10%	1,237	8%	1,830	14%	2,307	12%	2,366	17%	2,359	20%
1,850	10%	1,236	9%	1,829	14%	2,303	12%	2,365	17%	2,359	20%
1,849	10%	1,235	9%	1,829	14%	2,302	12%	2,365	17%	2,358	20%
1,849	10%	1,235	9%	1,829	14%	2,300	12%	2,364	17%	2,358	20%
1,849	10%	1,234	9%	1,829	14%	2,300	12%	2,364	17%	2,357	20%
1,848	10%	1,233	9%	1,828	14%	2,299	12%	2,364	17%	2,357	20%
1,848	10%	1,232	9%	1,828	14%	2,297	12%	2,363	17%	2,356	20%
1,848	10%	1,232	9%	1,828	14%	2,296	12%	2,363	17%	2,356	20%
1,848	10%	1,231	9%	1,827	14%	2,293	12%	2,362	17%	2,355	20%
1,847	10%	1,229	9%	1,827	14%	2,291	12%	2,362	17%	2,354	20%
1,847	11%	1,228	9%	1,827	14%	2,288	12%	2,362	17%	2,354	20%
1,846	11%	1,227	9%	1,827	14%	2,287	12%	2,361	17%	2,353	20%
1,846	11%	1,227	9%	1,826	14%	2,286	12%	2,360	17%	2,352	20%
1,845	11%	1,225	9%	1,826	14%	2,284	12%	2,359	17%	2,351	20%
1,845	11%	1,225	9%	1,826	14%	2,281	12%	2,359	17%	2,351	20%
1,845	11%	1,223	9%	1,825	15%	2,278	12%	2,358	17%	2,350	20%
1,844	11%	1,223	9%	1,825	15%	2,277	12%	2,357	17%	2,349	20%
1,844	11%	1,222	9%	1,825	15%	2,272	12%	2,356	17%	2,347	20%
1,844	11%	1,222	9%	1,825	15%	2,260	12%	2,356	17%	2,347	20%
1,843	11%	1,221	9%	1,824	15%	2,230	12%	2,355	17%	2,346	20%
1,843	11%	1,220	9%	1,824	15%	2,230	12%	2,355	17%	2,346	20%
1,843	11%	1,219	9%	1,824	15%	2,211	12%	2,354	17%	2,345	20%
1,842	11%	1,215	9%	1,824	15%	2,211	12%	2,353	17%	2,345	20%
1,842	11%	1,215	9%	1,823	15%	2,190	12%	2,352	17%	2,345	20%
1,842	11%	1,214	9%	1,823	15%	2,190	12%	2,352	18%	2,344	20%
1,841	11%	1,212	9%	1,823	15%	2,161	12%	2,351	18%	2,343	20%
1,841	11%	1,208	9%	1,822	15%	2,152	12%	2,351	18%	2,343	20%
1,840	11%	1,206	9%	1,822	15%	2,143	12%	2,351	18%	2,343	20%

Ellsworth Dam Tabular Flow Duration Data
Source: Flow generated from Ellsworth hourly generation data
Period of Record: August 2007 - December 2015

July		August		September		October		November		December	
Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance
1,840	11%	1,204	9%	1,822	15%	2,113	12%	2,350	18%	2,343	20%
1,839	11%	1,204	9%	1,821	15%	2,106	12%	2,350	18%	2,342	20%
1,839	11%	1,203	9%	1,821	15%	2,054	12%	2,350	18%	2,342	20%
1,839	11%	1,198	9%	1,821	15%	2,005	12%	2,350	18%	2,342	21%
1,838	11%	1,191	9%	1,820	15%	2,001	12%	2,349	18%	2,341	21%
1,838	11%	1,190	9%	1,820	15%	1,972	12%	2,349	18%	2,341	21%
1,838	11%	1,190	9%	1,819	15%	1,965	12%	2,349	18%	2,341	21%
1,838	11%	1,189	9%	1,819	15%	1,964	12%	2,348	18%	2,340	21%
1,837	11%	1,189	9%	1,819	15%	1,963	12%	2,347	18%	2,340	21%
1,837	11%	1,188	9%	1,819	16%	1,962	12%	2,347	18%	2,339	21%
1,837	11%	1,188	9%	1,818	16%	1,961	12%	2,347	18%	2,339	21%
1,836	11%	1,187	9%	1,818	16%	1,961	12%	2,346	18%	2,339	21%
1,836	11%	1,187	9%	1,818	16%	1,961	12%	2,346	18%	2,338	21%
1,835	12%	1,187	9%	1,817	16%	1,959	12%	2,346	18%	2,338	21%
1,835	12%	1,187	9%	1,817	16%	1,958	13%	2,345	18%	2,337	21%
1,834	12%	1,186	9%	1,817	16%	1,958	13%	2,345	18%	2,337	21%
1,834	12%	1,186	10%	1,817	16%	1,958	13%	2,345	18%	2,337	21%
1,834	12%	1,185	10%	1,816	16%	1,957	13%	2,345	18%	2,337	21%
1,833	12%	1,185	10%	1,816	16%	1,957	13%	2,344	18%	2,336	21%
1,833	12%	1,184	10%	1,816	16%	1,957	13%	2,344	18%	2,336	21%
1,833	12%	1,183	10%	1,816	16%	1,956	13%	2,343	18%	2,336	21%
1,832	12%	1,182	10%	1,815	16%	1,955	13%	2,343	18%	2,335	21%
1,832	12%	1,181	10%	1,815	16%	1,955	13%	2,342	18%	2,335	21%
1,832	12%	1,180	10%	1,814	16%	1,954	13%	2,342	18%	2,335	21%
1,831	12%	1,180	10%	1,814	16%	1,954	13%	2,341	19%	2,334	21%
1,830	12%	1,180	10%	1,814	16%	1,954	13%	2,341	19%	2,334	21%
1,830	12%	1,178	10%	1,813	16%	1,953	13%	2,341	19%	2,334	21%
1,830	12%	1,176	10%	1,813	16%	1,952	13%	2,340	19%	2,333	21%
1,829	12%	1,174	10%	1,813	17%	1,950	13%	2,340	19%	2,333	21%
1,829	12%	1,174	10%	1,812	17%	1,948	13%	2,340	19%	2,333	21%
1,829	12%	1,174	10%	1,812	17%	1,945	13%	2,339	19%	2,333	21%
1,828	12%	1,174	10%	1,812	17%	1,940	13%	2,339	19%	2,332	21%
1,828	12%	1,173	10%	1,812	17%	1,939	13%	2,338	19%	2,332	21%
1,827	12%	1,173	10%	1,811	17%	1,939	13%	2,338	19%	2,332	22%
1,827	12%	1,171	10%	1,811	17%	1,933	13%	2,338	19%	2,332	22%
1,827	12%	1,171	10%	1,811	17%	1,932	13%	2,337	19%	2,331	22%
1,826	12%	1,170	10%	1,811	17%	1,931	13%	2,337	19%	2,331	22%
1,826	12%	1,170	10%	1,810	17%	1,923	13%	2,337	19%	2,331	22%
1,826	12%	1,168	10%	1,810	17%	1,923	13%	2,336	19%	2,330	22%
1,825	12%	1,165	10%	1,809	17%	1,922	13%	2,336	19%	2,330	22%
1,825	12%	1,163	10%	1,809	17%	1,919	13%	2,335	19%	2,330	22%
1,825	12%	1,161	10%	1,809	17%	1,911	13%	2,335	19%	2,330	22%
1,824	12%	1,154	10%	1,809	17%	1,911	13%	2,335	19%	2,329	22%
1,824	12%	1,150	10%	1,808	17%	1,909	13%	2,334	19%	2,329	22%
1,824	13%	1,146	10%	1,808	17%	1,909	13%	2,333	19%	2,329	22%
1,823	13%	1,140	10%	1,808	17%	1,908	13%	2,332	19%	2,329	22%
1,823	13%	1,134	10%	1,808	17%	1,908	13%	2,332	19%	2,328	22%
1,823	13%	1,134	10%	1,807	17%	1,907	13%	2,331	19%	2,328	23%
1,822	13%	1,133	10%	1,807	17%	1,906	13%	2,331	19%	2,328	23%
1,822	13%	1,132	10%	1,806	17%	1,904	13%	2,331	19%	2,327	23%
1,822	13%	1,130	10%	1,806	17%	1,904	13%	2,330	19%	2,327	23%
1,821	13%	1,126	10%	1,805	17%	1,902	13%	2,327	19%	2,327	23%
1,821	13%	1,125	10%	1,804	18%	1,900	13%	2,327	19%	2,326	23%
1,821	13%	1,124	10%	1,804	18%	1,895	13%	2,324	19%	2,326	23%
1,820	13%	1,124	10%	1,804	18%	1,895	13%	2,323	19%	2,326	23%
1,820	13%	1,122	10%	1,803	18%	1,893	13%	2,322	19%	2,325	23%
1,819	13%	1,117	10%	1,803	18%	1,891	13%	2,319	20%	2,325	23%
1,819	13%	1,116	10%	1,803	18%	1,888	13%	2,319	20%	2,325	23%
1,819	13%	1,111	10%	1,803	18%	1,885	13%	2,317	20%	2,324	23%
1,819	13%	1,110	10%	1,802	18%	1,885	13%	2,316	20%	2,324	23%
1,818	13%	1,110	10%	1,802	18%	1,884	13%	2,316	20%	2,324	23%
1,818	13%	1,110	10%	1,802	18%	1,881	13%	2,313	20%	2,324	23%
1,818	13%	1,109	10%	1,801	18%	1,880	13%	2,312	20%	2,323	23%
1,817	13%	1,109	10%	1,801	18%	1,877	13%	2,311	20%	2,323	23%
1,817	13%	1,108	10%	1,801	18%	1,876	14%	2,310	20%	2,323	23%
1,817	13%	1,108	10%	1,800	18%	1,876	14%	2,309	20%	2,322	23%
1,816	13%	1,107	10%	1,800	18%	1,875	14%	2,307	20%	2,322	23%
1,816	13%	1,106	10%	1,800	18%	1,875	14%	2,304	20%	2,322	23%
1,816	13%	1,106	11%	1,799	18%	1,875	14%	2,301	20%	2,322	23%
1,815	13%	1,104	11%	1,799	18%	1,874	14%	2,296	20%	2,321	24%
1,814	13%	1,103	11%	1,798	18%	1,873	14%	2,293	20%	2,321	24%
1,814	13%	1,102	11%	1,798	18%	1,871	14%	2,288	20%	2,321	24%
1,814	14%	1,098	11%	1,798	18%	1,871	14%	2,272	20%	2,321	24%
1,813	14%	1,097	11%	1,798	18%	1,871	14%	2,269	20%	2,320	24%
1,813	14%	1,096	11%	1,797	18%	1,870	14%	2,262	20%	2,320	24%
1,812	14%	1,096	11%	1,796	18%	1,869	14%	2,190	20%	2,319	24%
1,812	14%	1,095	11%	1,796	18%	1,868	14%	2,185	20%	2,319	24%
1,812	14%	1,095	11%	1,795	18%	1,867	14%	2,147	20%	2,319	24%
1,812	14%	1,094	11%	1,795	18%	1,867	14%	2,097	20%	2,319	24%
1,811	14%	1,092	11%	1,794	18%	1,866	14%	2,011	20%	2,318	24%
1,811	14%	1,091	11%	1,794	18%	1,866	14%	1,985	20%	2,318	24%
1,811	14%	1,091	11%	1,793	18%	1,865	14%	1,961	20%	2,317	24%
1,811	14%	1,091	11%	1,793	18%	1,865	14%	1,948	20%	2,317	24%
1,810	14%	1,091	11%	1,793	19%	1,864	14%	1,947	20%	2,316	24%

Ellsworth Dam Tabular Flow Duration Data
 Source: Flow generated from Ellsworth hourly generation data
 Period of Record: August 2007 - December 2015

July		August		September		October		November		December	
Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance
1,810	14%	1,089	11%	1,791	19%	1,863	14%	1,944	20%	2,316	24%
1,810	14%	1,089	11%	1,791	19%	1,863	14%	1,932	20%	2,316	24%
1,809	14%	1,088	11%	1,791	19%	1,863	14%	1,897	20%	2,315	24%
1,809	14%	1,088	11%	1,791	19%	1,862	14%	1,897	20%	2,314	24%
1,809	14%	1,088	11%	1,790	19%	1,860	14%	1,894	20%	2,314	24%
1,808	14%	1,087	11%	1,790	19%	1,858	14%	1,888	20%	2,314	24%
1,808	14%	1,087	11%	1,788	19%	1,858	14%	1,888	20%	2,312	24%
1,808	14%	1,087	11%	1,788	19%	1,858	14%	1,885	20%	2,312	24%
1,807	14%	1,086	11%	1,788	19%	1,855	14%	1,883	20%	2,312	24%
1,807	14%	1,085	11%	1,787	19%	1,854	14%	1,883	20%	2,311	24%
1,807	14%	1,084	11%	1,787	19%	1,853	14%	1,882	20%	2,311	24%
1,806	14%	1,084	11%	1,787	19%	1,853	14%	1,880	20%	2,310	25%
1,805	14%	1,083	11%	1,786	19%	1,852	14%	1,878	20%	2,310	25%
1,805	14%	1,083	11%	1,786	19%	1,852	14%	1,878	20%	2,309	25%
1,804	14%	1,083	11%	1,786	19%	1,852	14%	1,877	20%	2,309	25%
1,804	14%	1,082	11%	1,785	19%	1,851	14%	1,875	20%	2,309	25%
1,804	14%	1,081	11%	1,785	19%	1,851	14%	1,874	20%	2,308	25%
1,803	14%	1,081	11%	1,784	19%	1,851	14%	1,874	21%	2,308	25%
1,803	14%	1,080	11%	1,784	19%	1,850	14%	1,872	21%	2,308	25%
1,803	15%	1,080	11%	1,783	19%	1,850	14%	1,872	21%	2,307	25%
1,802	15%	1,080	11%	1,783	19%	1,850	14%	1,870	21%	2,306	25%
1,802	15%	1,079	11%	1,783	19%	1,849	14%	1,869	21%	2,305	25%
1,802	15%	1,079	11%	1,783	19%	1,849	14%	1,869	21%	2,305	25%
1,801	15%	1,078	11%	1,782	19%	1,849	14%	1,867	21%	2,304	25%
1,801	15%	1,078	11%	1,782	19%	1,848	14%	1,866	21%	2,303	25%
1,801	15%	1,078	11%	1,782	19%	1,848	14%	1,866	21%	2,303	25%
1,801	15%	1,077	11%	1,781	19%	1,847	15%	1,865	21%	2,302	25%
1,800	15%	1,076	11%	1,781	20%	1,846	15%	1,865	21%	2,301	25%
1,800	15%	1,075	11%	1,780	20%	1,846	15%	1,864	21%	2,300	25%
1,800	15%	1,074	11%	1,779	20%	1,844	15%	1,864	21%	2,300	25%
1,799	15%	1,074	11%	1,779	20%	1,844	15%	1,864	21%	2,299	25%
1,799	15%	1,074	11%	1,778	20%	1,844	15%	1,864	21%	2,298	25%
1,798	15%	1,074	12%	1,778	20%	1,843	15%	1,862	21%	2,298	25%
1,798	15%	1,072	12%	1,778	20%	1,843	15%	1,862	21%	2,298	25%
1,798	15%	1,072	12%	1,777	20%	1,841	15%	1,861	21%	2,298	25%
1,797	15%	1,072	12%	1,777	20%	1,841	15%	1,861	21%	2,297	25%
1,797	15%	1,071	12%	1,776	20%	1,839	15%	1,861	21%	2,296	25%
1,797	15%	1,071	12%	1,775	20%	1,838	15%	1,861	21%	2,296	25%
1,796	15%	1,070	12%	1,773	20%	1,837	15%	1,860	21%	2,295	25%
1,796	15%	1,070	12%	1,772	20%	1,837	15%	1,859	21%	2,295	25%
1,795	15%	1,069	12%	1,769	20%	1,836	15%	1,859	21%	2,294	25%
1,795	15%	1,069	12%	1,769	20%	1,835	15%	1,858	21%	2,293	25%
1,793	15%	1,068	12%	1,768	20%	1,835	15%	1,858	21%	2,293	25%
1,793	15%	1,068	12%	1,767	20%	1,834	15%	1,858	21%	2,292	25%
1,793	15%	1,068	12%	1,767	20%	1,832	15%	1,857	21%	2,291	25%
1,792	15%	1,067	12%	1,767	20%	1,829	15%	1,857	21%	2,290	26%
1,791	16%	1,067	12%	1,766	20%	1,829	15%	1,854	21%	2,290	26%
1,791	16%	1,067	12%	1,766	20%	1,827	15%	1,854	21%	2,290	26%
1,790	16%	1,065	12%	1,765	20%	1,826	15%	1,853	21%	2,289	26%
1,790	16%	1,065	12%	1,764	20%	1,825	15%	1,852	21%	2,289	26%
1,790	16%	1,064	12%	1,763	20%	1,825	15%	1,851	21%	2,288	26%
1,789	16%	1,064	12%	1,763	20%	1,824	15%	1,850	21%	2,288	26%
1,789	16%	1,063	12%	1,762	20%	1,824	15%	1,849	21%	2,287	26%
1,788	16%	1,062	12%	1,762	20%	1,823	15%	1,848	21%	2,287	26%
1,788	16%	1,062	12%	1,762	20%	1,822	15%	1,848	21%	2,287	26%
1,787	16%	1,062	12%	1,760	20%	1,822	15%	1,847	21%	2,286	26%
1,786	16%	1,062	12%	1,757	20%	1,822	15%	1,846	22%	2,286	26%
1,786	16%	1,061	12%	1,756	20%	1,821	15%	1,846	22%	2,285	26%
1,785	16%	1,060	12%	1,755	20%	1,820	15%	1,846	22%	2,285	26%
1,784	16%	1,060	12%	1,755	20%	1,820	15%	1,845	22%	2,284	26%
1,784	16%	1,059	12%	1,754	20%	1,819	15%	1,844	22%	2,284	26%
1,783	16%	1,058	12%	1,754	20%	1,818	15%	1,844	22%	2,283	26%
1,782	16%	1,057	12%	1,753	20%	1,818	15%	1,843	22%	2,283	26%
1,782	16%	1,057	12%	1,753	20%	1,818	15%	1,843	22%	2,283	26%
1,781	16%	1,056	12%	1,752	20%	1,817	15%	1,842	22%	2,283	26%
1,780	16%	1,055	12%	1,751	20%	1,817	15%	1,841	22%	2,282	26%
1,780	16%	1,054	12%	1,750	20%	1,816	15%	1,841	22%	2,282	26%
1,777	16%	1,053	12%	1,747	20%	1,816	15%	1,840	22%	2,282	26%
1,777	16%	1,053	12%	1,745	20%	1,815	15%	1,840	22%	2,282	26%
1,776	16%	1,052	13%	1,742	20%	1,815	15%	1,840	22%	2,281	26%
1,775	16%	1,051	13%	1,741	20%	1,814	16%	1,839	22%	2,281	26%
1,775	16%	1,051	13%	1,736	20%	1,814	16%	1,839	22%	2,281	26%
1,774	16%	1,050	13%	1,732	20%	1,814	16%	1,838	22%	2,280	27%
1,772	16%	1,050	13%	1,727	20%	1,814	16%	1,837	22%	2,280	27%
1,772	16%	1,050	13%	1,726	21%	1,813	16%	1,837	22%	2,280	27%
1,770	16%	1,050	13%	1,726	21%	1,812	16%	1,836	22%	2,280	27%
1,769	16%	1,049	13%	1,725	21%	1,812	16%	1,836	22%	2,279	27%
1,768	16%	1,049	13%	1,725	21%	1,812	16%	1,836	22%	2,279	27%
1,768	16%	1,049	13%	1,724	21%	1,811	16%	1,835	22%	2,279	27%
1,767	16%	1,048	13%	1,724	21%	1,811	16%	1,834	22%	2,279	27%
1,766	16%	1,047	13%	1,721	21%	1,810	16%	1,833	22%	2,278	27%
1,766	16%	1,047	13%	1,720	21%	1,810	16%	1,832	22%	2,278	27%
1,765	16%	1,046	13%	1,718	21%	1,809	16%	1,832	22%	2,277	27%
1,762	16%	1,046	13%	1,717	21%	1,809	16%	1,831	22%	2,277	27%

Ellsworth Dam Tabular Flow Duration Data
 Source: Flow generated from Ellsworth hourly generation data
 Period of Record: August 2007 - December 2015

July		August		September		October		November		December	
Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance
1,762	16%	1,046	13%	1,715	21%	1,808	16%	1,831	22%	2,277	27%
1,761	16%	1,046	13%	1,710	21%	1,808	16%	1,830	22%	2,277	27%
1,761	16%	1,045	13%	1,709	21%	1,807	16%	1,830	22%	2,276	27%
1,760	17%	1,045	13%	1,703	21%	1,806	16%	1,829	22%	2,276	28%
1,760	17%	1,045	13%	1,683	21%	1,805	16%	1,829	22%	2,276	28%
1,759	17%	1,044	13%	1,676	21%	1,804	16%	1,828	22%	2,275	28%
1,751	17%	1,044	13%	1,674	21%	1,804	16%	1,828	22%	2,275	28%
1,751	17%	1,044	13%	1,672	21%	1,804	16%	1,827	23%	2,275	28%
1,750	17%	1,043	13%	1,670	21%	1,803	16%	1,827	23%	2,275	28%
1,749	17%	1,043	13%	1,663	21%	1,803	16%	1,827	23%	2,274	28%
1,747	17%	1,043	13%	1,662	21%	1,802	16%	1,827	23%	2,274	28%
1,746	17%	1,042	13%	1,653	21%	1,802	16%	1,825	23%	2,274	28%
1,743	17%	1,042	13%	1,651	21%	1,802	16%	1,825	23%	2,272	28%
1,743	17%	1,042	13%	1,648	21%	1,801	16%	1,824	23%	2,272	28%
1,742	17%	1,041	13%	1,620	21%	1,801	16%	1,824	23%	2,271	28%
1,741	17%	1,041	13%	1,608	21%	1,801	16%	1,824	23%	2,271	28%
1,741	17%	1,041	13%	1,601	21%	1,800	16%	1,823	23%	2,270	28%
1,740	17%	1,040	13%	1,567	21%	1,799	16%	1,822	23%	2,270	28%
1,739	17%	1,040	13%	1,549	21%	1,798	16%	1,822	23%	2,269	28%
1,738	17%	1,039	13%	1,549	21%	1,797	16%	1,821	23%	2,269	28%
1,738	17%	1,039	13%	1,545	21%	1,797	16%	1,817	23%	2,269	28%
1,738	17%	1,038	13%	1,541	21%	1,796	16%	1,814	23%	2,267	28%
1,737	17%	1,038	13%	1,540	21%	1,796	16%	1,813	23%	2,267	28%
1,735	17%	1,038	13%	1,538	21%	1,796	16%	1,811	23%	2,263	28%
1,732	17%	1,037	13%	1,535	21%	1,795	16%	1,811	23%	2,262	28%
1,731	17%	1,036	13%	1,530	21%	1,794	16%	1,810	23%	2,259	28%
1,730	17%	1,035	13%	1,523	21%	1,794	16%	1,810	23%	2,259	28%
1,728	17%	1,035	13%	1,521	21%	1,793	16%	1,809	23%	2,258	28%
1,722	17%	1,034	14%	1,517	21%	1,793	16%	1,809	23%	2,257	28%
1,721	17%	1,034	14%	1,517	21%	1,791	17%	1,808	23%	2,257	28%
1,720	17%	1,033	14%	1,454	21%	1,791	17%	1,808	23%	2,256	28%
1,716	17%	1,033	14%	1,446	21%	1,791	17%	1,808	23%	2,255	28%
1,715	17%	1,032	14%	1,414	21%	1,790	17%	1,807	23%	2,254	28%
1,712	17%	1,032	14%	1,368	21%	1,789	17%	1,806	23%	2,253	28%
1,712	17%	1,031	14%	1,360	21%	1,788	17%	1,806	23%	2,253	28%
1,711	17%	1,030	14%	1,357	21%	1,788	17%	1,805	23%	2,248	28%
1,707	17%	1,030	14%	1,320	21%	1,788	17%	1,804	23%	2,246	28%
1,701	17%	1,030	14%	1,319	21%	1,787	17%	1,803	23%	2,246	28%
1,671	17%	1,030	14%	1,317	21%	1,787	17%	1,803	23%	2,242	28%
1,671	17%	1,029	14%	1,317	21%	1,787	17%	1,802	23%	2,237	28%
1,650	17%	1,029	14%	1,315	21%	1,786	17%	1,799	23%	2,234	29%
1,639	17%	1,029	14%	1,315	21%	1,786	17%	1,799	23%	2,234	29%
1,636	17%	1,028	14%	1,312	21%	1,785	17%	1,798	23%	2,233	29%
1,635	17%	1,028	14%	1,311	21%	1,784	17%	1,796	23%	2,233	29%
1,628	17%	1,027	14%	1,310	21%	1,783	17%	1,796	23%	2,229	29%
1,622	17%	1,026	14%	1,308	21%	1,783	17%	1,796	23%	2,224	29%
1,613	17%	1,026	14%	1,307	22%	1,783	17%	1,793	23%	2,223	29%
1,593	17%	1,026	14%	1,305	22%	1,782	17%	1,792	23%	2,223	29%
1,573	17%	1,025	14%	1,305	22%	1,781	17%	1,792	24%	2,221	29%
1,567	17%	1,025	14%	1,304	22%	1,781	17%	1,791	24%	2,221	29%
1,487	17%	1,025	14%	1,304	22%	1,780	17%	1,790	24%	2,220	29%
1,430	17%	1,025	14%	1,304	22%	1,780	17%	1,789	24%	2,219	29%
1,424	17%	1,024	14%	1,303	22%	1,780	17%	1,789	24%	2,218	29%
1,416	17%	1,024	14%	1,303	22%	1,779	17%	1,788	24%	2,217	29%
1,388	17%	1,024	14%	1,303	22%	1,779	17%	1,787	24%	2,216	29%
1,388	17%	1,023	14%	1,302	22%	1,779	17%	1,787	24%	2,214	29%
1,388	17%	1,022	14%	1,302	22%	1,779	17%	1,787	24%	2,212	29%
1,387	17%	1,021	14%	1,301	22%	1,778	17%	1,787	24%	2,211	29%
1,387	18%	1,021	14%	1,301	22%	1,777	17%	1,786	24%	2,211	29%
1,386	18%	1,021	14%	1,300	22%	1,777	17%	1,786	24%	2,207	29%
1,386	18%	1,020	14%	1,299	22%	1,777	18%	1,785	24%	2,205	29%
1,385	18%	1,020	14%	1,299	22%	1,776	18%	1,785	24%	2,203	29%
1,385	18%	1,019	14%	1,299	22%	1,776	18%	1,785	24%	2,202	29%
1,384	18%	1,019	14%	1,298	22%	1,776	18%	1,784	24%	2,201	29%
1,383	18%	1,019	14%	1,298	22%	1,775	18%	1,784	24%	2,200	29%
1,382	18%	1,017	14%	1,298	22%	1,775	18%	1,783	24%	2,199	29%
1,382	18%	1,017	14%	1,295	22%	1,775	18%	1,783	24%	2,198	29%
1,380	18%	1,016	14%	1,294	22%	1,775	18%	1,783	24%	2,197	29%
1,379	18%	1,016	14%	1,293	22%	1,774	18%	1,782	24%	2,195	29%
1,379	18%	1,015	14%	1,287	22%	1,774	18%	1,782	24%	2,195	29%
1,378	18%	1,015	14%	1,287	22%	1,774	18%	1,781	24%	2,191	29%
1,377	18%	1,014	14%	1,286	22%	1,774	18%	1,781	24%	2,187	29%
1,377	18%	1,014	14%	1,283	22%	1,773	18%	1,781	24%	2,185	29%
1,373	18%	1,014	14%	1,281	22%	1,773	18%	1,780	24%	2,185	29%
1,362	18%	1,014	15%	1,279	22%	1,773	18%	1,780	24%	2,181	29%
1,361	18%	1,013	15%	1,279	22%	1,772	19%	1,780	24%	2,180	29%
1,360	18%	1,012	15%	1,278	22%	1,772	19%	1,779	24%	2,179	29%
1,357	18%	1,012	15%	1,278	22%	1,772	19%	1,779	24%	2,177	29%
1,353	18%	1,012	15%	1,276	22%	1,772	19%	1,779	25%	2,173	29%
1,335	18%	1,012	15%	1,275	22%	1,770	19%	1,778	25%	2,172	29%
1,319	18%	1,011	15%	1,275	22%	1,770	19%	1,778	25%	2,170	29%
1,318	18%	1,011	15%	1,275	22%	1,770	19%	1,777	25%	2,169	29%
1,314	18%	1,010	15%	1,274	22%	1,769	19%	1,777	25%	2,165	29%
1,305	18%	1,010	15%	1,273	22%	1,769	19%	1,777	25%	2,161	29%

Ellsworth Dam Tabular Flow Duration Data
 Source: Flow generated from Ellsworth hourly generation data
 Period of Record: August 2007 - December 2015

July		August		September		October		November		December	
Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance
1,304	18%	1,010	15%	1,273	22%	1,769	19%	1,775	25%	2,157	29%
1,301	18%	1,009	15%	1,272	22%	1,768	19%	1,775	25%	2,156	29%
1,255	18%	1,009	15%	1,270	22%	1,768	19%	1,775	25%	2,154	29%
1,251	18%	1,009	15%	1,263	22%	1,767	19%	1,774	25%	2,153	29%
1,245	18%	1,009	15%	1,262	22%	1,767	19%	1,774	25%	2,152	29%
1,243	18%	1,008	15%	1,255	22%	1,766	19%	1,774	25%	2,150	29%
1,242	18%	1,008	15%	1,251	22%	1,766	19%	1,773	25%	2,149	29%
1,236	18%	1,008	15%	1,250	22%	1,765	19%	1,773	25%	2,146	29%
1,232	18%	1,007	15%	1,245	23%	1,764	19%	1,772	25%	2,144	29%
1,232	18%	1,006	15%	1,245	23%	1,763	19%	1,771	25%	2,141	29%
1,231	18%	1,006	15%	1,243	23%	1,763	19%	1,771	25%	2,139	29%
1,230	18%	1,005	15%	1,238	23%	1,763	19%	1,770	25%	2,135	29%
1,230	18%	1,005	15%	1,222	23%	1,761	19%	1,770	25%	2,128	29%
1,230	18%	1,005	15%	1,219	23%	1,761	19%	1,769	25%	2,126	29%
1,229	18%	1,004	15%	1,210	23%	1,761	19%	1,769	25%	2,124	29%
1,227	18%	1,004	15%	1,209	23%	1,759	19%	1,769	25%	2,122	30%
1,224	18%	1,004	15%	1,201	23%	1,759	19%	1,768	25%	2,121	30%
1,223	18%	1,003	15%	1,189	23%	1,758	19%	1,768	25%	2,119	30%
1,222	18%	1,003	15%	1,189	23%	1,758	19%	1,767	25%	2,118	30%
1,221	18%	1,003	15%	1,185	23%	1,757	19%	1,767	25%	2,114	30%
1,220	18%	1,002	15%	1,185	23%	1,757	19%	1,766	25%	2,113	30%
1,220	18%	1,002	15%	1,184	23%	1,756	19%	1,766	25%	2,110	30%
1,219	18%	1,002	15%	1,183	23%	1,755	19%	1,766	25%	2,108	30%
1,219	18%	1,001	15%	1,178	23%	1,754	19%	1,765	25%	2,108	30%
1,219	18%	1,001	15%	1,177	23%	1,754	19%	1,765	25%	2,101	30%
1,218	19%	1,000	16%	1,177	23%	1,753	19%	1,765	25%	2,076	30%
1,217	19%	1,000	16%	1,170	23%	1,751	19%	1,764	26%	2,068	30%
1,217	19%	1,000	16%	1,167	23%	1,751	19%	1,764	26%	2,051	30%
1,216	19%	999	16%	1,164	23%	1,749	19%	1,763	26%	2,049	30%
1,216	19%	998	16%	1,159	23%	1,749	19%	1,762	26%	2,041	30%
1,216	19%	998	16%	1,155	23%	1,749	19%	1,762	26%	2,040	30%
1,215	19%	998	16%	1,153	23%	1,748	19%	1,762	26%	2,039	30%
1,214	19%	997	16%	1,148	23%	1,747	19%	1,761	26%	2,036	30%
1,214	19%	997	16%	1,148	23%	1,747	20%	1,761	26%	2,027	30%
1,214	19%	997	16%	1,147	23%	1,746	20%	1,761	26%	2,014	30%
1,213	19%	996	16%	1,144	23%	1,746	20%	1,761	26%	2,011	30%
1,211	19%	996	16%	1,139	23%	1,746	20%	1,760	26%	2,000	30%
1,209	19%	996	16%	1,138	23%	1,745	20%	1,760	26%	1,990	30%
1,209	19%	996	16%	1,137	23%	1,745	20%	1,760	26%	1,976	30%
1,208	19%	995	16%	1,136	23%	1,745	20%	1,759	26%	1,969	30%
1,207	19%	995	16%	1,136	23%	1,745	20%	1,759	26%	1,967	30%
1,205	19%	995	16%	1,135	23%	1,744	20%	1,759	26%	1,966	30%
1,204	19%	994	16%	1,133	23%	1,744	20%	1,758	26%	1,954	30%
1,203	19%	994	16%	1,132	23%	1,743	20%	1,757	26%	1,949	30%
1,195	19%	993	16%	1,132	23%	1,743	20%	1,756	26%	1,944	30%
1,195	19%	993	16%	1,132	23%	1,742	20%	1,756	26%	1,941	30%
1,195	19%	993	16%	1,131	23%	1,741	20%	1,755	26%	1,938	30%
1,190	19%	993	16%	1,131	23%	1,741	20%	1,755	26%	1,938	30%
1,189	19%	991	16%	1,131	23%	1,740	20%	1,754	26%	1,937	30%
1,188	19%	990	16%	1,130	23%	1,740	20%	1,754	26%	1,936	30%
1,187	19%	990	16%	1,129	23%	1,740	20%	1,753	26%	1,936	30%
1,187	19%	989	16%	1,129	23%	1,740	20%	1,753	26%	1,935	30%
1,186	19%	989	17%	1,128	23%	1,739	20%	1,753	26%	1,934	30%
1,185	19%	988	17%	1,127	23%	1,739	20%	1,752	26%	1,934	30%
1,185	19%	988	17%	1,126	23%	1,738	20%	1,752	26%	1,933	30%
1,185	19%	987	17%	1,124	23%	1,738	20%	1,752	26%	1,933	30%
1,185	19%	987	17%	1,123	23%	1,737	20%	1,751	27%	1,933	30%
1,184	19%	987	17%	1,123	23%	1,737	20%	1,751	27%	1,933	30%
1,184	19%	986	17%	1,122	23%	1,735	20%	1,751	27%	1,932	30%
1,183	19%	986	17%	1,121	23%	1,734	20%	1,750	27%	1,932	30%
1,183	19%	986	17%	1,120	23%	1,732	20%	1,750	27%	1,930	30%
1,182	19%	985	17%	1,119	24%	1,732	20%	1,750	27%	1,929	30%
1,182	19%	985	17%	1,119	24%	1,728	20%	1,748	27%	1,928	30%
1,180	19%	984	17%	1,117	24%	1,727	20%	1,748	27%	1,927	30%
1,176	19%	984	17%	1,117	24%	1,727	20%	1,747	27%	1,927	30%
1,175	19%	983	17%	1,116	24%	1,727	20%	1,747	27%	1,926	30%
1,174	19%	983	17%	1,116	24%	1,725	20%	1,746	27%	1,924	30%
1,174	19%	983	17%	1,114	24%	1,725	20%	1,746	27%	1,923	31%
1,174	19%	983	17%	1,113	24%	1,725	20%	1,746	27%	1,923	31%
1,171	19%	982	17%	1,113	24%	1,724	20%	1,746	27%	1,922	31%
1,170	20%	982	17%	1,112	24%	1,724	20%	1,745	27%	1,921	31%
1,170	20%	982	17%	1,111	24%	1,723	20%	1,745	27%	1,919	31%
1,170	20%	981	17%	1,110	24%	1,722	20%	1,745	27%	1,918	31%
1,169	20%	980	17%	1,110	24%	1,721	20%	1,745	27%	1,917	31%
1,169	20%	980	17%	1,109	24%	1,721	20%	1,744	27%	1,916	31%
1,169	20%	980	17%	1,109	24%	1,719	20%	1,744	27%	1,902	31%
1,169	20%	979	17%	1,108	24%	1,719	20%	1,743	27%	1,898	31%
1,168	20%	979	17%	1,108	24%	1,718	20%	1,743	27%	1,895	31%
1,167	20%	978	17%	1,108	24%	1,717	20%	1,742	27%	1,895	31%
1,167	20%	978	17%	1,107	24%	1,717	20%	1,741	27%	1,894	31%
1,167	20%	977	17%	1,107	24%	1,717	20%	1,741	27%	1,892	31%
1,166	20%	977	17%	1,106	24%	1,716	20%	1,740	27%	1,891	31%
1,166	20%	977	17%	1,105	24%	1,716	21%	1,740	27%	1,891	31%
1,165	20%	976	17%	1,104	24%	1,715	21%	1,740	27%	1,891	31%

Ellsworth Dam Tabular Flow Duration Data
Source: Flow generated from Ellsworth hourly generation data
Period of Record: August 2007 - December 2015

July		August		September		October		November		December	
Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance
1,165	20%	976	17%	1,104	24%	1,715	21%	1,740	27%	1,890	31%
1,164	20%	975	17%	1,103	24%	1,715	21%	1,739	27%	1,889	31%
1,163	20%	975	17%	1,103	24%	1,714	21%	1,739	27%	1,889	31%
1,161	20%	975	17%	1,103	24%	1,713	21%	1,739	28%	1,887	31%
1,161	20%	975	18%	1,103	24%	1,713	21%	1,738	28%	1,887	31%
1,160	20%	974	18%	1,102	24%	1,712	21%	1,738	28%	1,883	31%
1,159	20%	974	18%	1,102	24%	1,712	21%	1,738	28%	1,883	31%
1,157	20%	973	18%	1,101	24%	1,712	21%	1,737	28%	1,882	31%
1,156	20%	972	18%	1,101	24%	1,711	21%	1,737	28%	1,882	31%
1,155	20%	972	18%	1,100	24%	1,711	21%	1,737	28%	1,882	31%
1,154	20%	972	18%	1,100	24%	1,710	21%	1,736	28%	1,881	31%
1,153	20%	971	18%	1,100	24%	1,709	21%	1,736	28%	1,880	31%
1,152	20%	971	18%	1,099	24%	1,708	21%	1,736	28%	1,880	31%
1,152	20%	971	18%	1,098	24%	1,708	21%	1,735	28%	1,879	31%
1,151	20%	970	18%	1,097	24%	1,708	21%	1,735	28%	1,878	31%
1,151	20%	970	18%	1,096	24%	1,708	21%	1,735	28%	1,877	31%
1,151	20%	970	18%	1,095	24%	1,706	21%	1,735	28%	1,877	31%
1,150	20%	969	18%	1,095	24%	1,706	21%	1,734	28%	1,875	31%
1,150	20%	969	18%	1,093	24%	1,706	21%	1,734	28%	1,875	31%
1,150	20%	969	18%	1,093	24%	1,705	21%	1,733	28%	1,874	31%
1,147	20%	968	18%	1,092	25%	1,704	21%	1,733	28%	1,874	31%
1,146	20%	968	18%	1,092	25%	1,704	21%	1,733	28%	1,874	31%
1,144	20%	967	18%	1,092	25%	1,703	21%	1,732	28%	1,873	31%
1,144	20%	967	18%	1,090	25%	1,703	21%	1,732	28%	1,872	31%
1,143	20%	967	18%	1,090	25%	1,703	21%	1,732	28%	1,871	31%
1,142	20%	967	18%	1,089	25%	1,702	21%	1,732	29%	1,870	31%
1,141	20%	966	18%	1,088	25%	1,702	21%	1,731	29%	1,870	31%
1,141	20%	966	18%	1,088	25%	1,701	21%	1,731	29%	1,869	31%
1,140	21%	966	18%	1,087	25%	1,701	21%	1,731	29%	1,869	31%
1,132	21%	966	18%	1,086	25%	1,700	21%	1,730	29%	1,869	31%
1,131	21%	965	18%	1,085	25%	1,700	21%	1,730	29%	1,867	31%
1,129	21%	965	18%	1,084	25%	1,699	21%	1,730	29%	1,867	31%
1,128	21%	965	18%	1,084	25%	1,699	21%	1,730	29%	1,866	31%
1,127	21%	964	18%	1,083	25%	1,698	21%	1,729	29%	1,865	31%
1,126	21%	964	18%	1,083	25%	1,698	21%	1,729	29%	1,865	31%
1,125	21%	964	18%	1,083	25%	1,698	22%	1,729	29%	1,864	31%
1,125	21%	963	18%	1,082	25%	1,698	22%	1,728	29%	1,864	31%
1,124	21%	962	18%	1,082	25%	1,697	22%	1,728	29%	1,863	32%
1,124	21%	962	18%	1,082	25%	1,697	22%	1,728	29%	1,863	32%
1,123	21%	962	18%	1,082	25%	1,697	22%	1,727	29%	1,862	32%
1,122	21%	961	19%	1,081	25%	1,696	22%	1,727	29%	1,862	32%
1,122	21%	961	19%	1,081	25%	1,696	22%	1,726	29%	1,862	32%
1,122	21%	961	19%	1,080	25%	1,695	22%	1,726	29%	1,861	32%
1,121	21%	961	19%	1,080	25%	1,694	22%	1,725	29%	1,861	32%
1,121	21%	960	19%	1,079	25%	1,694	22%	1,725	29%	1,861	32%
1,119	21%	959	19%	1,079	25%	1,693	22%	1,725	29%	1,861	32%
1,119	21%	959	19%	1,079	25%	1,693	22%	1,724	29%	1,860	32%
1,119	21%	958	19%	1,078	25%	1,691	22%	1,724	29%	1,860	32%
1,119	21%	958	19%	1,078	25%	1,690	22%	1,723	29%	1,859	32%
1,118	21%	958	19%	1,077	25%	1,689	22%	1,723	29%	1,859	32%
1,117	21%	957	19%	1,076	25%	1,687	22%	1,723	29%	1,859	32%
1,117	21%	957	19%	1,075	25%	1,685	22%	1,722	29%	1,859	32%
1,116	21%	956	19%	1,075	25%	1,650	22%	1,722	30%	1,858	32%
1,116	21%	956	19%	1,074	25%	1,646	22%	1,721	30%	1,858	32%
1,115	21%	956	19%	1,074	25%	1,644	22%	1,721	30%	1,858	32%
1,115	21%	955	19%	1,074	25%	1,643	22%	1,721	30%	1,857	32%
1,114	21%	955	19%	1,073	25%	1,642	22%	1,721	30%	1,857	32%
1,113	21%	955	19%	1,072	25%	1,638	22%	1,720	30%	1,857	32%
1,112	21%	954	19%	1,071	25%	1,635	22%	1,720	30%	1,856	32%
1,112	21%	954	19%	1,070	26%	1,631	22%	1,720	30%	1,856	32%
1,111	21%	954	19%	1,069	26%	1,630	22%	1,719	30%	1,856	32%
1,111	21%	953	19%	1,069	26%	1,625	22%	1,718	30%	1,856	32%
1,110	21%	953	19%	1,068	26%	1,569	22%	1,718	30%	1,855	33%
1,110	21%	953	19%	1,068	26%	1,564	22%	1,717	30%	1,855	33%
1,109	21%	952	19%	1,068	26%	1,538	22%	1,717	30%	1,854	33%
1,109	21%	952	19%	1,067	26%	1,479	22%	1,717	30%	1,854	33%
1,109	21%	951	19%	1,066	26%	1,458	22%	1,716	30%	1,854	33%
1,108	21%	951	20%	1,066	26%	1,441	22%	1,716	30%	1,854	33%
1,108	21%	950	20%	1,065	26%	1,440	22%	1,716	30%	1,853	33%
1,107	21%	950	20%	1,065	26%	1,427	22%	1,716	30%	1,853	33%
1,106	21%	950	20%	1,064	26%	1,419	22%	1,715	30%	1,853	33%
1,106	22%	949	20%	1,064	26%	1,391	22%	1,715	30%	1,852	33%
1,105	22%	949	20%	1,063	26%	1,366	22%	1,715	30%	1,852	33%
1,105	22%	949	20%	1,063	26%	1,366	22%	1,714	30%	1,852	33%
1,104	22%	948	20%	1,062	26%	1,351	22%	1,714	30%	1,851	33%
1,104	22%	948	20%	1,062	26%	1,351	22%	1,713	30%	1,851	33%
1,104	22%	948	20%	1,061	26%	1,341	22%	1,713	31%	1,851	33%
1,104	22%	947	20%	1,061	26%	1,297	22%	1,712	31%	1,851	33%
1,103	22%	947	20%	1,061	26%	1,280	22%	1,712	31%	1,850	33%
1,103	22%	947	20%	1,060	26%	1,256	22%	1,711	31%	1,850	33%
1,103	22%	946	20%	1,060	26%	1,248	22%	1,711	31%	1,850	33%
1,102	22%	946	20%	1,059	26%	1,243	22%	1,711	31%	1,849	33%
1,101	22%	946	20%	1,059	26%	1,229	22%	1,711	31%	1,849	34%
1,101	22%	945	20%	1,058	26%	1,220	22%	1,710	31%	1,849	34%

Ellsworth Dam Tabular Flow Duration Data
 Source: Flow generated from Ellsworth hourly generation data
 Period of Record: August 2007 - December 2015

July		August		September		October		November		December	
Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance
1,101	22%	945	20%	1,056	26%	1,218	22%	1,710	31%	1,848	34%
1,100	22%	945	20%	1,056	26%	1,217	22%	1,710	31%	1,848	34%
1,099	22%	944	20%	1,055	26%	1,214	22%	1,709	31%	1,848	34%
1,099	22%	944	20%	1,054	26%	1,212	22%	1,709	31%	1,848	34%
1,098	22%	944	20%	1,054	26%	1,208	22%	1,709	31%	1,847	34%
1,096	22%	943	20%	1,054	26%	1,208	23%	1,708	31%	1,847	34%
1,096	22%	943	20%	1,053	26%	1,206	23%	1,708	31%	1,846	34%
1,096	22%	943	20%	1,053	26%	1,205	23%	1,708	31%	1,846	34%
1,095	22%	942	20%	1,052	26%	1,197	23%	1,707	31%	1,846	34%
1,095	22%	941	20%	1,051	26%	1,195	23%	1,707	31%	1,846	34%
1,095	22%	941	20%	1,050	26%	1,194	23%	1,707	31%	1,845	34%
1,094	22%	941	20%	1,050	26%	1,193	23%	1,706	31%	1,845	34%
1,094	22%	940	20%	1,049	26%	1,192	23%	1,705	31%	1,845	34%
1,094	22%	940	20%	1,049	26%	1,192	23%	1,705	31%	1,845	34%
1,093	22%	940	21%	1,048	26%	1,192	23%	1,704	31%	1,844	34%
1,093	22%	939	21%	1,048	26%	1,191	23%	1,704	31%	1,844	35%
1,093	22%	939	21%	1,047	26%	1,190	23%	1,703	31%	1,844	35%
1,092	22%	938	21%	1,047	26%	1,190	23%	1,703	31%	1,843	35%
1,092	22%	938	21%	1,046	26%	1,189	23%	1,703	31%	1,843	35%
1,092	22%	937	21%	1,046	26%	1,189	23%	1,702	31%	1,843	35%
1,091	22%	937	21%	1,045	26%	1,188	23%	1,702	31%	1,843	35%
1,091	22%	937	21%	1,044	27%	1,187	23%	1,701	31%	1,842	35%
1,090	22%	936	21%	1,044	27%	1,187	23%	1,701	32%	1,842	35%
1,090	22%	935	21%	1,044	27%	1,187	23%	1,700	32%	1,842	35%
1,088	22%	935	21%	1,043	27%	1,186	23%	1,699	32%	1,841	35%
1,087	22%	935	21%	1,043	27%	1,185	23%	1,699	32%	1,841	35%
1,087	22%	935	21%	1,042	27%	1,185	23%	1,698	32%	1,841	35%
1,086	23%	934	21%	1,041	27%	1,185	23%	1,698	32%	1,841	35%
1,085	23%	934	21%	1,041	27%	1,184	23%	1,698	32%	1,840	35%
1,085	23%	933	21%	1,041	27%	1,183	23%	1,698	32%	1,840	35%
1,084	23%	933	21%	1,040	27%	1,183	23%	1,697	32%	1,840	35%
1,084	23%	933	21%	1,040	27%	1,182	23%	1,697	32%	1,840	35%
1,083	23%	933	21%	1,040	27%	1,182	23%	1,696	32%	1,839	35%
1,083	23%	932	21%	1,039	27%	1,182	23%	1,696	32%	1,839	35%
1,083	23%	932	21%	1,038	27%	1,181	23%	1,696	32%	1,839	35%
1,083	23%	932	21%	1,038	27%	1,180	23%	1,695	32%	1,838	36%
1,082	23%	931	21%	1,037	27%	1,179	23%	1,695	32%	1,838	36%
1,081	23%	931	21%	1,037	27%	1,179	23%	1,695	32%	1,838	36%
1,080	23%	930	21%	1,037	27%	1,176	23%	1,694	32%	1,838	36%
1,080	23%	930	21%	1,035	27%	1,174	23%	1,694	32%	1,837	36%
1,080	23%	930	21%	1,035	27%	1,174	23%	1,693	32%	1,837	36%
1,080	23%	930	21%	1,035	27%	1,174	23%	1,693	32%	1,837	36%
1,079	23%	929	21%	1,034	27%	1,173	23%	1,693	32%	1,837	36%
1,079	23%	929	21%	1,034	27%	1,173	23%	1,693	32%	1,836	36%
1,079	23%	929	21%	1,033	27%	1,172	23%	1,692	32%	1,836	36%
1,079	23%	928	21%	1,033	27%	1,172	23%	1,691	32%	1,836	36%
1,078	23%	928	21%	1,032	27%	1,172	23%	1,691	32%	1,835	36%
1,077	23%	928	21%	1,032	27%	1,171	23%	1,691	33%	1,835	36%
1,077	23%	927	21%	1,032	27%	1,170	23%	1,691	33%	1,835	36%
1,077	23%	927	21%	1,031	27%	1,169	23%	1,690	33%	1,835	36%
1,077	23%	927	21%	1,030	27%	1,169	24%	1,690	33%	1,834	36%
1,076	23%	927	21%	1,029	27%	1,167	24%	1,690	33%	1,834	36%
1,075	23%	924	21%	1,028	27%	1,167	24%	1,690	33%	1,834	36%
1,075	23%	924	21%	1,028	27%	1,165	24%	1,689	33%	1,833	36%
1,074	23%	924	21%	1,027	27%	1,165	24%	1,689	33%	1,833	36%
1,074	23%	924	22%	1,023	27%	1,164	24%	1,689	33%	1,833	36%
1,074	23%	923	22%	1,023	27%	1,164	24%	1,688	33%	1,833	37%
1,073	23%	923	22%	1,022	27%	1,163	24%	1,688	33%	1,832	37%
1,073	23%	922	22%	1,022	27%	1,163	24%	1,688	33%	1,832	37%
1,073	23%	921	22%	1,021	27%	1,161	24%	1,687	33%	1,832	37%
1,072	23%	921	22%	1,021	27%	1,161	24%	1,687	33%	1,832	37%
1,072	23%	920	22%	1,020	27%	1,161	24%	1,687	33%	1,831	37%
1,072	23%	920	22%	1,019	27%	1,161	24%	1,686	33%	1,831	37%
1,071	23%	919	22%	1,018	27%	1,160	24%	1,686	33%	1,831	37%
1,071	23%	919	22%	1,017	27%	1,159	24%	1,686	33%	1,830	37%
1,070	23%	918	22%	1,015	27%	1,159	24%	1,685	33%	1,830	37%
1,070	23%	918	22%	1,012	27%	1,158	24%	1,685	33%	1,830	37%
1,070	23%	917	22%	1,012	27%	1,158	24%	1,685	33%	1,830	37%
1,069	24%	917	22%	1,011	27%	1,157	24%	1,685	33%	1,829	37%
1,069	24%	917	22%	1,010	27%	1,157	24%	1,684	33%	1,829	37%
1,068	24%	917	22%	1,010	27%	1,156	24%	1,684	33%	1,829	37%
1,067	24%	916	22%	1,009	28%	1,155	24%	1,684	34%	1,829	37%
1,067	24%	916	22%	1,009	28%	1,154	24%	1,683	34%	1,828	37%
1,066	24%	915	22%	1,008	28%	1,153	24%	1,683	34%	1,828	37%
1,066	24%	915	22%	1,008	28%	1,152	24%	1,683	34%	1,828	37%
1,065	24%	914	22%	1,007	28%	1,152	24%	1,683	34%	1,827	37%
1,065	24%	914	22%	1,006	28%	1,152	24%	1,682	34%	1,827	38%
1,064	24%	914	22%	1,006	28%	1,150	24%	1,682	34%	1,827	38%
1,063	24%	913	22%	1,006	28%	1,150	24%	1,682	34%	1,827	38%
1,063	24%	913	22%	1,004	28%	1,149	24%	1,682	34%	1,826	38%
1,062	24%	913	22%	1,003	28%	1,149	24%	1,681	34%	1,826	38%
1,062	24%	912	22%	1,003	28%	1,149	24%	1,680	34%	1,826	38%
1,061	24%	912	22%	1,003	28%	1,148	24%	1,680	34%	1,825	38%
1,061	24%	911	22%	1,000	28%	1,148	24%	1,680	34%	1,825	38%

Ellsworth Dam Tabular Flow Duration Data
 Source: Flow generated from Ellsworth hourly generation data
 Period of Record: August 2007 - December 2015

July		August		September		October		November		December	
Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance
1,061	24%	910	22%	1,000	28%	1,148	24%	1,679	34%	1,825	38%
1,060	24%	909	22%	999	28%	1,147	24%	1,679	34%	1,825	38%
1,060	24%	909	22%	999	28%	1,146	24%	1,679	34%	1,824	38%
1,059	24%	909	22%	999	28%	1,146	24%	1,679	35%	1,824	38%
1,059	24%	909	22%	998	28%	1,146	24%	1,678	35%	1,824	38%
1,059	24%	908	22%	996	28%	1,145	24%	1,678	35%	1,823	38%
1,058	24%	908	22%	995	28%	1,145	25%	1,678	35%	1,823	38%
1,057	24%	907	22%	995	28%	1,143	25%	1,677	35%	1,823	38%
1,057	24%	906	22%	994	28%	1,143	25%	1,677	35%	1,822	38%
1,057	24%	906	23%	994	28%	1,142	25%	1,677	35%	1,822	38%
1,056	24%	906	23%	994	28%	1,142	25%	1,677	35%	1,822	38%
1,056	24%	905	23%	993	28%	1,142	25%	1,676	35%	1,822	38%
1,055	24%	904	23%	991	28%	1,141	25%	1,676	35%	1,821	39%
1,055	24%	904	23%	991	28%	1,140	25%	1,676	35%	1,821	39%
1,054	24%	903	23%	990	28%	1,139	25%	1,675	35%	1,821	39%
1,054	24%	903	23%	990	28%	1,139	25%	1,675	35%	1,821	39%
1,054	24%	903	23%	989	28%	1,138	25%	1,675	35%	1,820	39%
1,053	24%	903	23%	989	28%	1,138	25%	1,674	35%	1,820	39%
1,053	24%	902	23%	988	28%	1,137	25%	1,674	35%	1,820	39%
1,052	25%	901	23%	988	28%	1,137	25%	1,674	35%	1,819	39%
1,052	25%	901	23%	987	28%	1,136	25%	1,673	35%	1,819	39%
1,051	25%	901	23%	987	28%	1,136	25%	1,673	35%	1,819	39%
1,051	25%	900	23%	987	28%	1,135	25%	1,672	35%	1,819	39%
1,050	25%	900	23%	986	28%	1,135	25%	1,672	35%	1,818	39%
1,050	25%	900	23%	986	28%	1,135	25%	1,671	35%	1,818	39%
1,049	25%	899	23%	985	28%	1,134	25%	1,671	35%	1,817	39%
1,049	25%	899	23%	985	28%	1,134	25%	1,670	35%	1,817	39%
1,048	25%	899	23%	984	28%	1,134	25%	1,670	35%	1,817	39%
1,048	25%	898	23%	984	29%	1,133	25%	1,669	35%	1,817	39%
1,048	25%	898	23%	983	29%	1,131	25%	1,669	35%	1,816	39%
1,048	25%	898	23%	983	29%	1,131	25%	1,668	35%	1,816	39%
1,047	25%	898	23%	983	29%	1,130	25%	1,667	35%	1,816	40%
1,047	25%	897	23%	983	29%	1,130	25%	1,667	36%	1,815	40%
1,047	25%	897	23%	982	29%	1,129	25%	1,666	36%	1,815	40%
1,046	25%	896	23%	982	29%	1,129	25%	1,666	36%	1,815	40%
1,046	25%	896	23%	981	29%	1,129	25%	1,666	36%	1,814	40%
1,044	25%	895	23%	981	29%	1,128	25%	1,665	36%	1,814	40%
1,043	25%	895	23%	981	29%	1,128	25%	1,665	36%	1,814	40%
1,043	25%	895	23%	980	29%	1,127	25%	1,664	36%	1,814	40%
1,042	25%	894	23%	980	29%	1,127	25%	1,664	36%	1,813	40%
1,042	25%	894	23%	979	29%	1,126	25%	1,664	36%	1,813	40%
1,042	25%	893	23%	979	29%	1,125	25%	1,663	36%	1,813	40%
1,041	25%	893	23%	979	29%	1,125	25%	1,663	36%	1,812	40%
1,041	25%	890	24%	978	29%	1,124	25%	1,663	36%	1,812	40%
1,040	25%	889	24%	977	29%	1,124	25%	1,662	36%	1,812	40%
1,040	25%	885	24%	977	29%	1,123	26%	1,662	36%	1,811	40%
1,040	25%	885	24%	976	29%	1,123	26%	1,661	36%	1,811	40%
1,039	25%	885	24%	975	29%	1,122	26%	1,660	36%	1,811	40%
1,039	25%	883	24%	975	29%	1,121	26%	1,660	36%	1,811	40%
1,039	25%	883	24%	975	29%	1,121	26%	1,659	36%	1,810	41%
1,038	25%	883	24%	975	29%	1,121	26%	1,658	36%	1,810	41%
1,038	25%	882	24%	974	29%	1,120	26%	1,658	36%	1,810	41%
1,037	25%	881	24%	974	29%	1,119	26%	1,657	36%	1,809	41%
1,037	25%	881	24%	974	29%	1,119	26%	1,657	36%	1,809	41%
1,036	25%	880	24%	973	29%	1,118	26%	1,656	36%	1,808	41%
1,035	25%	880	24%	971	29%	1,117	26%	1,655	36%	1,808	41%
1,035	26%	876	24%	971	29%	1,117	26%	1,655	36%	1,808	41%
1,035	26%	874	24%	970	29%	1,116	26%	1,654	36%	1,808	41%
1,034	26%	873	24%	970	29%	1,116	26%	1,654	36%	1,807	41%
1,034	26%	866	24%	969	29%	1,115	26%	1,654	36%	1,807	41%
1,033	26%	863	24%	969	29%	1,114	26%	1,654	36%	1,806	41%
1,033	26%	850	24%	968	29%	1,114	26%	1,653	37%	1,806	41%
1,033	26%	849	24%	967	29%	1,114	26%	1,653	37%	1,806	41%
1,033	26%	843	24%	967	29%	1,113	26%	1,653	37%	1,806	41%
1,032	26%	841	24%	966	29%	1,112	26%	1,653	37%	1,805	41%
1,032	26%	840	24%	965	29%	1,112	26%	1,652	37%	1,805	41%
1,032	26%	840	24%	964	29%	1,111	26%	1,652	37%	1,805	42%
1,032	26%	835	24%	964	29%	1,110	26%	1,652	37%	1,804	42%
1,031	26%	832	24%	963	29%	1,109	26%	1,651	37%	1,804	42%
1,031	26%	830	24%	963	29%	1,109	26%	1,651	37%	1,804	42%
1,030	26%	828	24%	963	29%	1,109	26%	1,651	37%	1,804	42%
1,030	26%	827	24%	962	29%	1,109	26%	1,650	37%	1,803	42%
1,030	26%	825	24%	961	29%	1,108	26%	1,650	37%	1,803	42%
1,029	26%	825	24%	961	30%	1,108	26%	1,649	37%	1,803	42%
1,029	26%	822	24%	960	30%	1,106	26%	1,649	37%	1,803	42%
1,029	26%	801	24%	959	30%	1,106	26%	1,648	37%	1,802	42%
1,029	26%	800	24%	958	30%	1,105	26%	1,648	37%	1,802	42%
1,028	26%	783	24%	956	30%	1,105	26%	1,648	37%	1,802	42%
1,028	26%	762	24%	954	30%	1,104	26%	1,647	37%	1,801	42%
1,028	26%	761	24%	954	30%	1,104	26%	1,647	37%	1,801	42%
1,027	26%	756	24%	953	30%	1,104	26%	1,645	37%	1,801	42%
1,027	26%	755	24%	952	30%	1,103	27%	1,645	37%	1,800	42%
1,026	26%	751	24%	951	30%	1,103	27%	1,645	37%	1,800	43%
1,025	26%	750	24%	950	30%	1,102	27%	1,644	37%	1,800	43%

Ellsworth Dam Tabular Flow Duration Data
 Source: Flow generated from Ellsworth hourly generation data
 Period of Record: August 2007 - December 2015

July		August		September		October		November		December	
Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance
1,025	26%	750	24%	949	30%	1,102	27%	1,644	38%	1,800	43%
1,024	26%	750	24%	949	30%	1,101	27%	1,643	38%	1,799	43%
1,024	26%	750	24%	948	30%	1,101	27%	1,643	38%	1,799	43%
1,024	27%	749	24%	946	30%	1,101	27%	1,643	38%	1,799	43%
1,024	27%	749	24%	946	30%	1,101	27%	1,642	38%	1,798	43%
1,023	27%	748	24%	945	30%	1,100	27%	1,642	38%	1,798	43%
1,023	27%	745	24%	944	30%	1,099	27%	1,642	38%	1,798	43%
1,022	27%	741	24%	944	30%	1,099	27%	1,641	38%	1,798	43%
1,022	27%	741	24%	941	30%	1,099	27%	1,641	38%	1,797	43%
1,021	27%	741	24%	941	30%	1,098	27%	1,640	38%	1,797	43%
1,021	27%	738	24%	940	30%	1,098	27%	1,640	38%	1,797	43%
1,021	27%	736	25%	938	30%	1,098	27%	1,640	38%	1,796	43%
1,020	27%	736	25%	937	30%	1,097	27%	1,639	38%	1,796	43%
1,019	27%	735	25%	935	30%	1,097	27%	1,639	38%	1,796	43%
1,018	27%	733	25%	935	30%	1,097	27%	1,638	38%	1,796	44%
1,017	27%	733	25%	934	30%	1,096	27%	1,638	38%	1,795	44%
1,017	27%	732	25%	934	30%	1,096	27%	1,638	38%	1,795	44%
1,016	27%	731	25%	934	30%	1,095	27%	1,637	38%	1,795	44%
1,016	27%	730	25%	933	30%	1,095	27%	1,637	38%	1,795	44%
1,015	27%	729	25%	933	30%	1,095	27%	1,637	38%	1,794	44%
1,015	27%	729	25%	933	30%	1,094	27%	1,636	38%	1,794	44%
1,015	27%	726	25%	932	30%	1,094	27%	1,636	38%	1,794	44%
1,014	27%	721	25%	931	30%	1,093	27%	1,635	38%	1,793	44%
1,014	27%	720	25%	930	30%	1,093	27%	1,635	38%	1,793	44%
1,014	27%	719	25%	930	30%	1,093	27%	1,635	38%	1,793	44%
1,013	27%	719	25%	928	30%	1,093	27%	1,635	38%	1,793	44%
1,013	27%	717	25%	927	30%	1,092	27%	1,634	38%	1,792	44%
1,013	27%	716	25%	927	30%	1,092	27%	1,633	39%	1,792	44%
1,012	27%	714	25%	926	30%	1,091	27%	1,633	39%	1,792	44%
1,012	27%	714	25%	925	30%	1,091	27%	1,633	39%	1,791	44%
1,012	27%	713	25%	925	30%	1,091	27%	1,632	39%	1,791	45%
1,012	27%	713	25%	925	30%	1,091	27%	1,632	39%	1,791	45%
1,011	27%	713	25%	925	30%	1,090	28%	1,632	39%	1,790	45%
1,011	27%	709	25%	918	30%	1,090	28%	1,631	39%	1,790	45%
1,011	27%	709	25%	912	30%	1,090	28%	1,631	39%	1,790	45%
1,010	28%	708	25%	910	30%	1,090	28%	1,630	39%	1,790	45%
1,009	28%	706	25%	898	30%	1,089	28%	1,630	39%	1,789	45%
1,009	28%	705	25%	882	30%	1,089	28%	1,630	39%	1,789	45%
1,009	28%	704	25%	859	30%	1,088	28%	1,630	39%	1,788	45%
1,008	28%	703	25%	856	31%	1,088	28%	1,629	39%	1,788	45%
1,008	28%	703	25%	827	31%	1,087	28%	1,629	39%	1,788	45%
1,008	28%	702	25%	827	31%	1,087	28%	1,629	39%	1,788	45%
1,007	28%	700	25%	827	31%	1,086	28%	1,628	39%	1,787	46%
1,007	28%	699	25%	827	31%	1,086	28%	1,628	39%	1,787	46%
1,007	28%	697	25%	826	31%	1,086	28%	1,627	39%	1,787	46%
1,006	28%	696	25%	820	31%	1,085	28%	1,626	39%	1,787	46%
1,006	28%	695	25%	812	31%	1,085	28%	1,626	39%	1,786	46%
1,006	28%	695	25%	805	31%	1,084	28%	1,626	39%	1,786	46%
1,006	28%	694	25%	803	31%	1,084	28%	1,625	39%	1,786	46%
1,005	28%	694	25%	801	31%	1,084	28%	1,625	39%	1,785	46%
1,004	28%	694	25%	797	31%	1,083	28%	1,625	39%	1,785	46%
1,004	28%	693	25%	792	31%	1,083	28%	1,624	39%	1,785	46%
1,003	28%	692	25%	792	31%	1,083	28%	1,624	40%	1,785	46%
1,003	28%	691	25%	792	31%	1,082	28%	1,624	40%	1,784	46%
1,003	28%	690	25%	791	31%	1,082	28%	1,624	40%	1,784	46%
1,003	28%	690	25%	790	31%	1,082	28%	1,623	40%	1,784	46%
1,002	28%	689	25%	788	31%	1,082	28%	1,622	40%	1,783	46%
1,002	28%	689	25%	786	31%	1,081	28%	1,622	40%	1,783	46%
1,002	28%	688	25%	783	31%	1,081	28%	1,621	40%	1,783	46%
1,001	28%	687	25%	779	31%	1,081	28%	1,621	40%	1,782	46%
1,001	28%	687	25%	776	31%	1,080	28%	1,620	40%	1,782	46%
1,001	28%	686	25%	770	31%	1,080	28%	1,620	40%	1,782	46%
1,000	28%	686	25%	769	31%	1,080	28%	1,619	40%	1,781	46%
1,000	28%	685	26%	768	31%	1,080	29%	1,619	40%	1,781	46%
1,000	29%	685	26%	767	31%	1,079	29%	1,618	40%	1,781	47%
1,000	29%	685	26%	767	31%	1,079	29%	1,618	40%	1,780	47%
999	29%	683	26%	766	31%	1,079	29%	1,617	40%	1,780	47%
999	29%	682	26%	761	31%	1,078	29%	1,617	40%	1,780	47%
999	29%	681	26%	755	31%	1,078	29%	1,617	40%	1,780	47%
998	29%	680	26%	753	31%	1,078	29%	1,617	40%	1,779	47%
998	29%	680	26%	753	31%	1,077	29%	1,616	40%	1,779	47%
998	29%	680	26%	750	31%	1,077	29%	1,616	40%	1,779	47%
997	29%	680	26%	750	31%	1,077	29%	1,616	40%	1,778	47%
997	29%	679	26%	748	31%	1,077	29%	1,615	40%	1,778	47%
996	29%	678	26%	748	31%	1,076	29%	1,615	40%	1,778	47%
996	29%	678	26%	745	31%	1,076	29%	1,615	40%	1,777	47%
996	29%	676	26%	745	31%	1,076	29%	1,614	40%	1,777	47%
995	29%	674	26%	741	31%	1,075	29%	1,614	40%	1,777	47%
995	29%	666	26%	724	31%	1,075	29%	1,613	41%	1,777	47%
995	29%	665	26%	721	31%	1,075	29%	1,613	41%	1,776	47%
994	29%	663	26%	720	31%	1,074	29%	1,612	41%	1,776	47%
993	29%	660	26%	709	31%	1,074	29%	1,612	41%	1,776	47%
993	29%	659	26%	699	31%	1,074	29%	1,612	41%	1,775	47%
993	29%	658	26%	697	31%	1,074	29%	1,611	41%	1,775	47%

Ellsworth Dam Tabular Flow Duration Data
Source: Flow generated from Ellsworth hourly generation data
Period of Record: August 2007 - December 2015

July		August		September		October		November		December	
Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance
992	29%	657	26%	697	32%	1,073	29%	1,611	41%	1,775	47%
992	29%	656	26%	696	32%	1,073	29%	1,611	41%	1,775	47%
991	29%	656	26%	693	32%	1,073	29%	1,610	41%	1,774	47%
991	29%	655	26%	668	32%	1,072	29%	1,610	41%	1,774	47%
990	29%	654	26%	666	32%	1,072	29%	1,609	41%	1,773	47%
990	29%	654	26%	665	32%	1,072	29%	1,608	41%	1,773	47%
990	29%	654	26%	664	32%	1,072	29%	1,608	41%	1,772	47%
989	29%	653	26%	658	32%	1,071	30%	1,608	41%	1,772	47%
989	29%	653	26%	649	32%	1,071	30%	1,607	41%	1,771	48%
988	30%	652	26%	637	32%	1,071	30%	1,606	41%	1,771	48%
988	30%	651	26%	635	32%	1,070	30%	1,606	41%	1,771	48%
987	30%	650	26%	634	32%	1,070	30%	1,605	41%	1,771	48%
987	30%	650	26%	631	32%	1,070	30%	1,605	41%	1,770	48%
987	30%	650	26%	630	32%	1,069	30%	1,605	41%	1,770	48%
986	30%	649	26%	630	32%	1,069	30%	1,604	41%	1,769	48%
986	30%	649	26%	630	32%	1,069	30%	1,603	41%	1,769	48%
986	30%	648	26%	629	32%	1,068	30%	1,601	41%	1,769	48%
985	30%	647	26%	629	32%	1,068	30%	1,600	41%	1,768	48%
985	30%	646	26%	629	32%	1,068	30%	1,598	41%	1,768	48%
985	30%	645	26%	628	32%	1,067	30%	1,598	41%	1,768	48%
984	30%	643	26%	627	32%	1,067	30%	1,597	41%	1,767	48%
984	30%	643	26%	627	32%	1,066	30%	1,596	41%	1,767	48%
984	30%	642	26%	627	32%	1,066	30%	1,596	41%	1,767	48%
983	30%	641	26%	627	32%	1,065	30%	1,595	41%	1,767	48%
983	30%	641	26%	626	32%	1,065	30%	1,595	41%	1,766	48%
983	30%	640	27%	625	32%	1,065	30%	1,594	41%	1,766	48%
982	30%	639	27%	625	32%	1,064	30%	1,593	41%	1,766	48%
982	30%	637	27%	624	32%	1,064	31%	1,593	41%	1,765	48%
982	30%	635	27%	623	32%	1,064	31%	1,593	41%	1,765	48%
981	30%	635	27%	623	32%	1,064	31%	1,593	42%	1,764	48%
981	30%	633	27%	623	32%	1,063	31%	1,592	42%	1,764	48%
980	30%	632	27%	622	32%	1,063	31%	1,592	42%	1,764	48%
980	30%	629	27%	622	32%	1,063	31%	1,591	42%	1,763	48%
979	30%	627	27%	622	32%	1,062	31%	1,591	42%	1,762	48%
978	30%	627	27%	621	32%	1,062	31%	1,590	42%	1,762	48%
978	30%	627	27%	621	32%	1,062	31%	1,590	42%	1,761	48%
978	30%	626	27%	621	32%	1,061	31%	1,590	42%	1,761	49%
977	30%	625	27%	621	33%	1,061	31%	1,589	42%	1,761	49%
977	30%	624	27%	620	33%	1,061	31%	1,588	42%	1,760	49%
977	30%	623	27%	620	33%	1,060	31%	1,588	42%	1,760	49%
976	31%	618	27%	619	33%	1,060	31%	1,587	42%	1,760	49%
975	31%	617	27%	618	33%	1,060	31%	1,585	42%	1,759	49%
975	31%	616	27%	618	33%	1,059	31%	1,585	42%	1,759	49%
974	31%	613	27%	617	33%	1,059	31%	1,584	42%	1,759	49%
973	31%	611	27%	615	33%	1,059	31%	1,584	42%	1,758	49%
973	31%	608	27%	615	33%	1,059	31%	1,582	42%	1,758	49%
972	31%	608	27%	612	33%	1,058	31%	1,581	42%	1,757	49%
971	31%	607	27%	605	33%	1,058	31%	1,581	42%	1,757	49%
971	31%	607	27%	603	33%	1,058	31%	1,580	42%	1,756	49%
970	31%	604	27%	603	33%	1,058	31%	1,579	42%	1,756	49%
970	31%	604	27%	601	33%	1,057	31%	1,579	42%	1,756	49%
969	31%	602	27%	597	33%	1,057	31%	1,579	42%	1,756	49%
969	31%	595	27%	596	33%	1,057	31%	1,578	42%	1,755	49%
969	31%	594	27%	590	33%	1,056	31%	1,578	42%	1,755	49%
968	31%	593	27%	590	33%	1,056	31%	1,578	42%	1,754	49%
968	31%	593	27%	589	33%	1,056	32%	1,577	42%	1,754	49%
967	31%	592	27%	588	33%	1,056	32%	1,577	42%	1,753	49%
967	31%	591	27%	588	33%	1,055	32%	1,575	42%	1,753	49%
967	31%	591	27%	585	33%	1,055	32%	1,574	42%	1,753	49%
967	31%	590	27%	585	33%	1,055	32%	1,574	42%	1,753	49%
966	31%	588	27%	584	33%	1,054	32%	1,573	42%	1,752	49%
965	31%	587	27%	583	33%	1,054	32%	1,573	42%	1,752	49%
965	31%	586	27%	582	33%	1,054	32%	1,571	42%	1,752	49%
964	31%	585	27%	582	33%	1,054	32%	1,570	42%	1,751	49%
963	31%	584	27%	581	33%	1,053	32%	1,569	42%	1,751	49%
962	31%	583	27%	580	33%	1,053	32%	1,569	42%	1,751	49%
962	31%	582	27%	580	33%	1,053	32%	1,568	42%	1,750	49%
962	31%	578	27%	580	33%	1,053	32%	1,567	42%	1,750	49%
962	31%	574	27%	580	33%	1,052	32%	1,567	42%	1,749	49%
961	31%	573	27%	579	33%	1,052	32%	1,567	42%	1,749	49%
960	31%	573	27%	577	33%	1,051	32%	1,564	42%	1,749	49%
959	31%	572	27%	577	33%	1,051	32%	1,563	42%	1,748	49%
959	32%	571	27%	576	33%	1,051	32%	1,562	43%	1,748	49%
959	32%	570	27%	576	33%	1,051	32%	1,562	43%	1,747	49%
958	32%	566	27%	575	33%	1,050	33%	1,561	43%	1,746	49%
958	32%	565	27%	574	33%	1,050	33%	1,560	43%	1,746	50%
958	32%	564	27%	573	33%	1,050	33%	1,560	43%	1,746	50%
956	32%	556	27%	572	33%	1,050	33%	1,559	43%	1,745	50%
956	32%	555	27%	571	33%	1,049	33%	1,558	43%	1,745	50%
955	32%	553	27%	571	33%	1,049	33%	1,558	43%	1,744	50%
954	32%	552	27%	571	33%	1,048	33%	1,556	43%	1,743	50%
953	32%	551	27%	570	33%	1,048	33%	1,556	43%	1,741	50%
953	32%	549	27%	569	33%	1,048	33%	1,554	43%	1,741	50%
952	32%	548	27%	568	33%	1,048	33%	1,554	43%	1,741	50%

Ellsworth Dam Tabular Flow Duration Data
 Source: Flow generated from Ellsworth hourly generation data
 Period of Record: August 2007 - December 2015

July		August		September		October		November		December	
Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance
952	32%	548	27%	567	34%	1,047	33%	1,553	43%	1,740	50%
950	32%	547	28%	567	34%	1,047	33%	1,553	43%	1,740	50%
949	32%	547	28%	566	34%	1,047	33%	1,553	43%	1,739	50%
948	32%	546	28%	566	34%	1,046	33%	1,551	43%	1,738	50%
947	32%	545	28%	565	34%	1,046	33%	1,550	43%	1,737	50%
946	32%	544	28%	565	34%	1,046	33%	1,549	43%	1,737	50%
946	32%	542	28%	564	34%	1,046	33%	1,547	43%	1,736	50%
944	32%	542	28%	563	34%	1,045	33%	1,541	43%	1,736	50%
943	32%	541	28%	563	34%	1,045	33%	1,540	43%	1,736	50%
943	32%	540	28%	562	34%	1,045	33%	1,535	43%	1,735	50%
942	32%	538	28%	562	34%	1,045	33%	1,534	43%	1,735	50%
939	32%	537	28%	561	34%	1,044	33%	1,526	43%	1,735	50%
937	32%	536	28%	561	34%	1,044	34%	1,524	43%	1,733	50%
937	32%	536	28%	560	34%	1,044	34%	1,522	43%	1,733	50%
936	32%	535	28%	560	34%	1,043	34%	1,520	43%	1,732	50%
935	32%	534	28%	559	34%	1,043	34%	1,517	43%	1,731	50%
935	32%	533	28%	556	34%	1,043	34%	1,517	43%	1,728	50%
934	32%	533	28%	555	34%	1,043	34%	1,516	43%	1,728	50%
932	32%	533	28%	554	34%	1,042	34%	1,506	43%	1,727	50%
930	32%	532	28%	554	34%	1,042	34%	1,502	43%	1,726	50%
929	32%	532	28%	553	34%	1,042	34%	1,500	43%	1,725	50%
927	32%	530	28%	551	34%	1,041	34%	1,499	43%	1,725	50%
926	32%	529	28%	551	34%	1,041	34%	1,498	43%	1,721	50%
921	32%	529	28%	550	34%	1,041	34%	1,493	43%	1,720	50%
920	32%	527	28%	549	34%	1,041	34%	1,492	43%	1,719	50%
920	32%	525	28%	549	34%	1,040	34%	1,490	43%	1,719	50%
918	32%	524	28%	548	34%	1,040	34%	1,489	43%	1,718	50%
917	32%	521	28%	548	34%	1,040	34%	1,487	43%	1,714	50%
914	32%	521	28%	548	34%	1,040	34%	1,484	43%	1,710	50%
911	32%	520	28%	547	34%	1,039	34%	1,480	43%	1,709	50%
909	32%	519	28%	546	34%	1,039	34%	1,479	43%	1,704	50%
908	32%	519	28%	545	34%	1,039	34%	1,471	43%	1,702	50%
903	32%	518	28%	544	34%	1,038	34%	1,467	44%	1,701	50%
902	32%	518	28%	543	34%	1,038	34%	1,460	44%	1,698	50%
897	32%	517	28%	541	34%	1,038	34%	1,456	44%	1,692	50%
894	32%	516	28%	537	34%	1,038	34%	1,449	44%	1,684	50%
890	33%	516	28%	537	34%	1,037	34%	1,449	44%	1,677	50%
888	33%	515	28%	536	34%	1,037	34%	1,446	44%	1,672	50%
887	33%	514	28%	535	34%	1,037	34%	1,436	44%	1,671	50%
882	33%	513	28%	535	34%	1,037	34%	1,433	44%	1,670	50%
882	33%	512	28%	534	34%	1,036	35%	1,427	44%	1,669	50%
880	33%	512	28%	533	34%	1,036	35%	1,426	44%	1,669	50%
877	33%	511	28%	533	34%	1,035	35%	1,425	44%	1,668	50%
862	33%	511	28%	532	34%	1,035	35%	1,424	44%	1,668	50%
844	33%	511	28%	532	34%	1,035	35%	1,422	44%	1,667	50%
841	33%	509	28%	530	35%	1,035	35%	1,412	44%	1,666	50%
841	33%	508	28%	530	35%	1,034	35%	1,398	44%	1,666	50%
839	33%	508	28%	529	35%	1,033	35%	1,394	44%	1,664	51%
831	33%	507	29%	529	35%	1,033	35%	1,388	44%	1,664	51%
828	33%	507	29%	528	35%	1,033	35%	1,387	44%	1,663	51%
811	33%	506	29%	525	35%	1,033	35%	1,385	44%	1,662	51%
806	33%	506	29%	525	35%	1,032	35%	1,371	44%	1,661	51%
803	33%	506	29%	521	35%	1,032	35%	1,368	44%	1,661	51%
803	33%	505	29%	520	35%	1,032	35%	1,361	44%	1,660	51%
799	33%	505	29%	518	35%	1,032	35%	1,349	44%	1,659	51%
788	33%	505	29%	517	35%	1,031	35%	1,336	44%	1,658	51%
786	33%	504	29%	516	35%	1,031	35%	1,323	44%	1,657	51%
779	33%	504	29%	516	35%	1,031	35%	1,285	44%	1,656	51%
759	33%	504	29%	515	35%	1,030	35%	1,265	44%	1,655	51%
744	33%	503	29%	514	35%	1,030	35%	1,264	44%	1,653	51%
729	33%	503	29%	513	35%	1,030	35%	1,251	44%	1,650	51%
719	33%	503	29%	512	35%	1,029	35%	1,250	44%	1,647	51%
710	33%	503	29%	510	35%	1,029	35%	1,209	44%	1,647	51%
701	33%	502	29%	507	35%	1,029	35%	1,206	44%	1,643	51%
689	33%	501	29%	507	35%	1,028	35%	1,203	44%	1,626	51%
672	33%	501	29%	504	35%	1,028	35%	1,203	44%	1,625	51%
658	33%	501	29%	504	35%	1,027	36%	1,200	44%	1,622	51%
656	33%	500	29%	503	35%	1,027	36%	1,194	44%	1,610	51%
651	33%	500	29%	501	35%	1,027	36%	1,189	44%	1,595	51%
648	33%	500	29%	498	35%	1,026	36%	1,185	44%	1,588	51%
647	33%	500	29%	496	35%	1,026	36%	1,167	44%	1,575	51%
646	33%	499	29%	495	35%	1,025	36%	1,143	44%	1,572	51%
646	33%	499	29%	495	35%	1,025	36%	1,143	44%	1,567	51%
637	33%	499	29%	493	35%	1,024	36%	1,142	44%	1,562	51%
636	33%	498	29%	491	35%	1,024	36%	1,138	44%	1,557	51%
633	33%	498	29%	491	35%	1,024	36%	1,137	44%	1,553	51%
631	33%	498	29%	489	35%	1,024	36%	1,136	44%	1,546	51%
629	33%	498	30%	488	35%	1,023	36%	1,135	44%	1,524	51%
625	33%	497	30%	487	35%	1,023	36%	1,134	44%	1,512	51%
624	33%	497	30%	487	35%	1,023	36%	1,134	44%	1,508	51%
618	33%	496	30%	485	35%	1,022	36%	1,132	44%	1,506	51%
615	33%	496	30%	485	35%	1,022	36%	1,132	44%	1,506	51%
614	33%	496	30%	483	35%	1,021	36%	1,131	45%	1,491	51%
613	33%	496	30%	483	35%	1,021	36%	1,131	45%	1,485	51%

Ellsworth Dam Tabular Flow Duration Data
 Source: Flow generated from Ellsworth hourly generation data
 Period of Record: August 2007 - December 2015

July		August		September		October		November		December	
Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance
611	33%	495	30%	482	35%	1,021	36%	1,130	45%	1,479	51%
609	33%	495	30%	481	35%	1,021	36%	1,130	45%	1,468	51%
604	33%	495	30%	481	35%	1,020	36%	1,129	45%	1,447	51%
601	33%	494	30%	480	35%	1,020	36%	1,129	45%	1,443	51%
598	33%	494	30%	479	35%	1,020	36%	1,128	45%	1,439	51%
597	33%	494	30%	479	35%	1,019	36%	1,124	45%	1,437	51%
596	33%	493	30%	479	35%	1,019	36%	1,123	45%	1,430	51%
594	33%	493	30%	478	35%	1,019	36%	1,122	45%	1,426	51%
591	33%	493	30%	477	35%	1,018	36%	1,119	45%	1,425	51%
588	34%	493	30%	476	35%	1,018	37%	1,117	45%	1,403	51%
588	34%	492	30%	476	36%	1,018	37%	1,117	45%	1,382	51%
585	34%	492	30%	475	36%	1,017	37%	1,116	45%	1,378	51%
585	34%	492	30%	475	36%	1,017	37%	1,115	45%	1,371	51%
581	34%	491	30%	474	36%	1,016	37%	1,115	45%	1,369	51%
580	34%	491	31%	474	36%	1,016	37%	1,114	45%	1,362	51%
579	34%	491	31%	473	36%	1,016	37%	1,114	45%	1,361	51%
576	34%	491	31%	473	36%	1,016	37%	1,111	45%	1,360	51%
576	34%	490	31%	472	36%	1,015	37%	1,111	45%	1,359	51%
575	34%	490	31%	472	36%	1,015	37%	1,111	45%	1,356	51%
575	34%	490	31%	472	36%	1,015	37%	1,110	45%	1,350	51%
574	34%	489	31%	470	36%	1,014	37%	1,110	45%	1,349	51%
573	34%	489	31%	470	36%	1,014	37%	1,109	45%	1,349	52%
571	34%	489	31%	469	36%	1,013	37%	1,108	45%	1,348	52%
569	34%	488	31%	468	36%	1,013	37%	1,108	45%	1,340	52%
567	34%	488	31%	468	36%	1,013	37%	1,105	45%	1,334	52%
566	34%	488	31%	467	36%	1,012	37%	1,104	45%	1,333	52%
566	34%	488	31%	467	36%	1,012	37%	1,103	45%	1,333	52%
565	34%	487	31%	467	36%	1,012	37%	1,103	45%	1,329	52%
564	34%	487	31%	467	36%	1,012	37%	1,101	45%	1,326	52%
564	34%	487	31%	466	36%	1,011	37%	1,100	45%	1,325	52%
563	34%	487	31%	466	36%	1,011	37%	1,099	45%	1,324	52%
562	34%	486	31%	465	36%	1,011	37%	1,099	45%	1,311	52%
561	34%	486	31%	465	36%	1,010	37%	1,098	45%	1,298	52%
559	34%	485	31%	464	36%	1,010	37%	1,097	45%	1,294	52%
556	34%	485	31%	464	36%	1,009	37%	1,096	45%	1,290	52%
552	34%	485	31%	463	36%	1,009	37%	1,096	45%	1,286	52%
550	34%	485	31%	463	36%	1,009	37%	1,095	45%	1,279	52%
549	34%	484	32%	463	36%	1,009	37%	1,094	45%	1,278	52%
544	34%	484	32%	462	36%	1,008	37%	1,094	45%	1,277	52%
543	34%	484	32%	462	36%	1,008	37%	1,093	46%	1,277	52%
541	34%	483	32%	462	36%	1,007	38%	1,093	46%	1,276	52%
540	34%	483	32%	461	36%	1,007	38%	1,092	46%	1,276	52%
537	34%	483	32%	461	36%	1,006	38%	1,091	46%	1,271	52%
537	34%	483	32%	460	36%	1,006	38%	1,091	46%	1,269	52%
537	34%	482	32%	460	37%	1,005	38%	1,090	46%	1,262	52%
535	34%	482	32%	459	37%	1,005	38%	1,090	46%	1,259	52%
535	34%	482	32%	459	37%	1,004	38%	1,088	46%	1,259	52%
533	34%	482	32%	458	37%	1,004	38%	1,088	46%	1,258	52%
530	34%	481	32%	458	37%	1,004	38%	1,087	46%	1,257	52%
529	34%	481	32%	458	37%	1,004	38%	1,086	46%	1,251	52%
527	34%	481	32%	458	37%	1,003	38%	1,086	46%	1,250	52%
527	34%	480	32%	457	37%	1,003	38%	1,085	46%	1,237	52%
526	34%	480	32%	457	37%	1,003	38%	1,085	46%	1,235	52%
525	34%	480	32%	456	37%	1,002	38%	1,085	46%	1,234	52%
525	34%	480	32%	456	37%	1,001	38%	1,084	46%	1,234	52%
524	34%	479	32%	456	37%	1,000	38%	1,084	46%	1,233	52%
524	34%	479	32%	456	37%	1,000	38%	1,083	46%	1,233	52%
522	34%	479	33%	455	37%	1,000	38%	1,083	46%	1,232	52%
522	34%	479	33%	454	37%	1,000	38%	1,083	46%	1,232	52%
520	34%	478	33%	454	37%	999	38%	1,082	46%	1,232	52%
519	34%	478	33%	454	37%	999	38%	1,082	46%	1,230	52%
516	35%	478	33%	453	37%	999	38%	1,082	46%	1,227	52%
515	35%	477	33%	453	37%	998	38%	1,082	46%	1,227	52%
513	35%	477	33%	453	37%	998	38%	1,081	46%	1,226	52%
510	35%	477	33%	452	37%	997	38%	1,081	46%	1,221	52%
509	35%	477	33%	452	37%	997	38%	1,080	46%	1,218	52%
509	35%	476	33%	451	37%	997	38%	1,080	46%	1,218	52%
508	35%	476	33%	451	37%	996	39%	1,079	46%	1,217	52%
508	35%	476	34%	450	37%	996	39%	1,079	47%	1,217	52%
504	35%	475	34%	450	37%	995	39%	1,079	47%	1,212	52%
504	35%	475	34%	449	37%	995	39%	1,078	47%	1,211	52%
503	35%	475	34%	449	37%	995	39%	1,078	47%	1,209	52%
503	35%	475	34%	448	37%	995	39%	1,078	47%	1,209	52%
499	35%	474	34%	448	37%	994	39%	1,077	47%	1,208	52%
497	35%	474	34%	448	37%	994	39%	1,076	47%	1,208	52%
495	35%	474	34%	448	37%	993	39%	1,076	47%	1,202	52%
494	35%	474	34%	447	38%	993	39%	1,076	47%	1,199	52%
492	35%	473	34%	446	38%	993	39%	1,075	47%	1,199	52%
491	35%	473	34%	446	38%	992	39%	1,075	47%	1,196	52%
490	35%	473	35%	446	38%	992	39%	1,075	47%	1,196	52%
490	35%	472	35%	445	38%	991	39%	1,074	47%	1,196	53%
487	35%	472	35%	444	38%	991	39%	1,074	47%	1,196	53%
487	35%	472	35%	444	38%	991	39%	1,073	47%	1,195	53%
487	35%	472	35%	443	38%	990	39%	1,073	47%	1,195	53%

Ellsworth Dam Tabular Flow Duration Data
 Source: Flow generated from Ellsworth hourly generation data
 Period of Record: August 2007 - December 2015

July		August		September		October		November		December	
Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance
487	35%	471	35%	443	38%	990	39%	1,072	47%	1,193	53%
486	35%	471	35%	443	38%	989	39%	1,071	47%	1,190	53%
485	35%	471	35%	443	38%	989	39%	1,071	47%	1,185	53%
484	35%	471	35%	442	38%	989	39%	1,070	47%	1,184	53%
484	35%	470	35%	442	38%	988	40%	1,070	47%	1,182	53%
483	35%	470	35%	441	38%	988	40%	1,070	47%	1,179	53%
483	35%	470	36%	441	38%	988	40%	1,069	47%	1,179	53%
483	35%	469	36%	441	38%	987	40%	1,069	47%	1,178	53%
482	35%	469	36%	441	38%	987	40%	1,069	47%	1,178	53%
482	35%	469	36%	440	38%	986	40%	1,068	47%	1,177	53%
481	35%	469	36%	440	38%	986	40%	1,067	47%	1,177	53%
481	35%	468	36%	440	38%	986	40%	1,067	47%	1,176	53%
481	35%	468	36%	440	38%	985	40%	1,066	47%	1,175	53%
480	35%	468	36%	439	38%	985	40%	1,066	47%	1,174	53%
480	35%	467	36%	439	39%	985	40%	1,066	47%	1,172	53%
479	35%	467	36%	439	39%	984	40%	1,065	47%	1,172	53%
479	35%	467	36%	438	39%	984	40%	1,065	47%	1,171	53%
478	36%	467	36%	438	39%	983	40%	1,064	48%	1,171	53%
477	36%	466	36%	438	39%	983	40%	1,064	48%	1,171	53%
477	36%	466	36%	438	39%	982	40%	1,063	48%	1,171	53%
477	36%	466	36%	437	39%	982	40%	1,063	48%	1,170	53%
476	36%	466	36%	437	39%	982	40%	1,062	48%	1,170	53%
476	36%	465	37%	437	39%	981	40%	1,062	48%	1,169	53%
476	36%	465	37%	437	39%	980	40%	1,062	48%	1,168	53%
475	36%	465	37%	436	39%	980	40%	1,062	48%	1,167	53%
475	36%	464	37%	436	39%	979	40%	1,061	48%	1,166	53%
475	36%	464	37%	436	39%	978	40%	1,061	48%	1,166	53%
474	36%	464	37%	435	39%	978	40%	1,061	48%	1,165	53%
474	36%	464	37%	435	39%	977	40%	1,059	48%	1,163	53%
474	36%	463	37%	435	40%	977	40%	1,058	48%	1,162	53%
474	36%	463	37%	435	40%	977	40%	1,058	48%	1,161	53%
473	36%	462	37%	434	40%	976	40%	1,058	48%	1,161	53%
473	36%	462	37%	434	40%	976	40%	1,057	48%	1,161	53%
472	36%	462	37%	434	40%	976	40%	1,057	48%	1,159	53%
472	36%	461	37%	433	40%	975	40%	1,056	48%	1,158	53%
472	36%	461	37%	433	40%	975	40%	1,056	48%	1,156	53%
472	36%	461	37%	433	40%	975	40%	1,055	48%	1,155	53%
471	36%	461	37%	433	40%	974	41%	1,055	48%	1,154	53%
471	36%	460	37%	432	40%	974	41%	1,054	48%	1,154	53%
471	36%	460	37%	432	40%	974	41%	1,054	48%	1,152	53%
471	36%	459	37%	432	40%	974	41%	1,054	48%	1,151	53%
470	36%	459	37%	432	40%	973	41%	1,053	48%	1,150	53%
470	36%	459	38%	431	40%	972	41%	1,053	48%	1,150	53%
469	36%	459	38%	431	40%	972	41%	1,053	49%	1,148	53%
469	36%	458	38%	430	40%	971	41%	1,053	49%	1,147	53%
468	36%	458	38%	430	40%	971	41%	1,052	49%	1,147	53%
468	36%	458	38%	430	40%	970	41%	1,052	49%	1,146	53%
468	36%	458	38%	430	40%	970	41%	1,051	49%	1,146	53%
467	36%	457	38%	429	40%	970	41%	1,051	49%	1,145	53%
467	36%	457	38%	429	40%	969	41%	1,051	49%	1,144	53%
467	37%	457	38%	429	41%	968	41%	1,050	49%	1,143	53%
466	37%	456	38%	429	41%	968	41%	1,050	49%	1,143	53%
466	37%	456	38%	428	41%	967	41%	1,050	49%	1,142	53%
466	37%	456	38%	428	41%	967	41%	1,049	49%	1,140	53%
466	37%	456	38%	428	41%	967	41%	1,049	49%	1,139	54%
465	37%	455	38%	427	41%	966	41%	1,049	49%	1,139	54%
465	37%	455	38%	427	41%	965	41%	1,048	49%	1,138	54%
465	37%	455	38%	427	41%	965	41%	1,048	49%	1,138	54%
464	37%	454	38%	427	41%	964	41%	1,048	49%	1,137	54%
464	37%	454	38%	426	41%	964	41%	1,048	49%	1,135	54%
464	37%	454	38%	426	41%	964	41%	1,047	49%	1,135	54%
464	37%	454	39%	426	41%	963	41%	1,047	49%	1,134	54%
463	37%	453	39%	425	41%	963	41%	1,047	49%	1,134	54%
462	37%	453	39%	425	41%	962	41%	1,046	50%	1,133	54%
462	37%	453	39%	425	41%	962	41%	1,046	50%	1,132	54%
462	37%	453	39%	425	41%	962	41%	1,046	50%	1,131	54%
461	37%	452	39%	424	41%	961	41%	1,045	50%	1,130	54%
461	37%	452	39%	424	42%	961	41%	1,045	50%	1,130	54%
460	37%	452	39%	424	42%	961	41%	1,045	50%	1,129	54%
460	37%	451	39%	424	42%	960	41%	1,044	50%	1,129	54%
460	37%	451	39%	423	42%	960	41%	1,044	50%	1,128	54%
459	38%	451	39%	423	42%	959	42%	1,044	50%	1,127	54%
459	38%	451	39%	423	42%	959	42%	1,043	50%	1,127	54%
459	38%	450	39%	422	42%	958	42%	1,043	50%	1,126	54%
458	38%	450	39%	422	42%	958	42%	1,043	50%	1,125	54%
458	38%	450	39%	422	42%	958	42%	1,043	50%	1,122	54%
458	38%	450	39%	422	42%	957	42%	1,042	50%	1,122	54%
457	38%	449	39%	421	42%	957	42%	1,042	50%	1,122	54%
457	38%	449	39%	421	42%	956	42%	1,041	50%	1,121	54%
457	38%	449	39%	421	42%	956	42%	1,041	50%	1,121	54%
456	38%	448	40%	421	42%	955	42%	1,041	50%	1,120	54%
456	38%	448	40%	420	43%	955	42%	1,041	50%	1,120	54%
456	38%	448	40%	420	43%	954	42%	1,040	50%	1,119	54%
456	38%	448	40%	420	43%	954	42%	1,040	51%	1,119	54%

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July		August		September		October		November		December	
Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance
455	38%	447	40%	419	43%	954	42%	1,040	51%	1,116	54%
455	38%	447	40%	419	43%	953	42%	1,039	51%	1,116	54%
454	38%	447	40%	419	43%	953	42%	1,039	51%	1,115	54%
454	38%	446	40%	419	43%	952	42%	1,038	51%	1,115	54%
454	38%	446	40%	418	43%	951	42%	1,038	51%	1,114	54%
453	38%	446	40%	418	43%	950	42%	1,038	51%	1,114	54%
453	38%	446	40%	418	43%	950	42%	1,037	51%	1,114	54%
453	38%	445	40%	417	43%	949	42%	1,037	51%	1,114	54%
453	39%	445	40%	417	43%	949	42%	1,037	51%	1,113	54%
452	39%	444	40%	417	43%	949	42%	1,037	51%	1,112	54%
452	39%	444	40%	416	43%	948	42%	1,036	51%	1,112	54%
452	39%	443	40%	416	44%	948	42%	1,036	51%	1,111	55%
451	39%	443	40%	416	44%	948	42%	1,035	51%	1,110	55%
451	39%	443	41%	416	44%	947	42%	1,035	51%	1,110	55%
451	39%	443	41%	415	44%	946	42%	1,034	51%	1,109	55%
450	39%	442	41%	415	44%	946	42%	1,034	51%	1,109	55%
450	39%	442	41%	415	44%	946	42%	1,033	51%	1,109	55%
450	39%	441	41%	414	44%	946	42%	1,033	51%	1,109	55%
450	39%	441	41%	414	44%	945	42%	1,032	51%	1,108	55%
449	39%	441	41%	414	44%	945	42%	1,032	51%	1,108	55%
449	40%	441	41%	414	44%	944	42%	1,032	51%	1,108	55%
449	40%	440	41%	413	44%	943	43%	1,031	52%	1,108	55%
448	40%	440	41%	413	44%	943	43%	1,031	52%	1,107	55%
448	40%	440	41%	413	45%	943	43%	1,031	52%	1,107	55%
448	40%	440	41%	412	45%	943	43%	1,030	52%	1,106	55%
448	40%	439	41%	412	45%	942	43%	1,030	52%	1,106	55%
447	40%	439	41%	412	45%	941	43%	1,030	52%	1,106	55%
447	40%	438	41%	411	45%	941	43%	1,030	52%	1,105	55%
447	40%	438	41%	411	45%	940	43%	1,029	52%	1,105	55%
446	40%	438	41%	411	45%	940	43%	1,029	52%	1,105	55%
446	40%	438	41%	411	45%	940	43%	1,029	52%	1,104	55%
446	41%	437	41%	410	45%	939	43%	1,029	52%	1,103	55%
446	41%	437	42%	410	45%	939	43%	1,028	52%	1,103	55%
445	41%	437	42%	410	45%	938	43%	1,028	52%	1,103	55%
445	41%	436	42%	409	46%	938	43%	1,028	52%	1,103	55%
445	41%	436	42%	409	46%	938	43%	1,027	52%	1,102	55%
445	41%	436	42%	409	46%	937	43%	1,027	52%	1,102	55%
444	41%	435	42%	409	46%	936	43%	1,027	52%	1,102	55%
444	41%	435	42%	408	46%	936	43%	1,027	52%	1,101	55%
444	41%	435	42%	408	46%	936	43%	1,026	53%	1,101	56%
443	42%	435	42%	408	46%	935	43%	1,026	53%	1,101	56%
443	42%	434	42%	408	46%	935	43%	1,026	53%	1,101	56%
443	42%	434	42%	407	46%	935	43%	1,025	53%	1,100	56%
443	42%	433	42%	407	46%	934	43%	1,025	53%	1,099	56%
442	42%	433	42%	407	46%	934	43%	1,025	53%	1,098	56%
442	42%	433	42%	406	46%	933	43%	1,025	53%	1,098	56%
442	42%	433	42%	406	46%	933	43%	1,024	53%	1,098	56%
441	43%	432	42%	406	46%	932	43%	1,024	53%	1,096	56%
441	43%	432	42%	405	47%	932	43%	1,024	53%	1,095	56%
441	43%	432	42%	405	47%	932	43%	1,023	53%	1,095	56%
441	43%	432	42%	405	47%	932	43%	1,023	53%	1,095	56%
440	43%	431	43%	404	47%	931	43%	1,023	53%	1,094	56%
440	43%	431	43%	404	47%	931	43%	1,022	53%	1,094	56%
440	44%	431	43%	404	47%	930	43%	1,022	53%	1,093	56%
440	44%	430	43%	403	47%	930	43%	1,022	53%	1,093	56%
439	44%	430	43%	403	47%	929	43%	1,021	53%	1,093	56%
439	44%	430	43%	403	47%	929	43%	1,020	53%	1,092	56%
439	44%	430	43%	403	47%	927	43%	1,020	53%	1,092	56%
438	44%	429	43%	402	47%	927	43%	1,020	53%	1,091	56%
438	44%	429	43%	402	47%	926	44%	1,019	53%	1,091	56%
438	44%	429	43%	402	47%	926	44%	1,019	53%	1,091	56%
438	44%	429	43%	401	47%	925	44%	1,019	53%	1,091	56%
437	44%	428	43%	401	47%	925	44%	1,019	53%	1,090	56%
437	44%	428	43%	400	47%	924	44%	1,018	53%	1,090	56%
437	44%	428	43%	400	47%	924	44%	1,018	54%	1,090	56%
437	44%	427	43%	400	47%	923	44%	1,017	54%	1,089	56%
436	44%	427	43%	400	47%	923	44%	1,017	54%	1,089	56%
436	45%	427	43%	399	47%	922	44%	1,017	54%	1,089	56%
436	45%	427	43%	399	47%	921	44%	1,016	54%	1,088	56%
435	45%	426	43%	398	47%	921	44%	1,016	54%	1,088	56%
435	45%	426	43%	398	47%	920	44%	1,016	54%	1,088	56%
435	45%	426	44%	398	47%	920	44%	1,015	54%	1,088	56%
435	45%	425	44%	398	47%	918	44%	1,015	54%	1,087	56%
434	45%	425	44%	397	47%	918	44%	1,015	54%	1,087	56%
434	45%	425	44%	397	47%	917	44%	1,014	54%	1,087	56%
434	45%	424	44%	397	47%	916	44%	1,014	54%	1,086	56%
433	45%	424	44%	396	48%	916	44%	1,014	54%	1,086	57%
433	45%	424	44%	396	48%	915	44%	1,014	54%	1,086	57%
433	45%	423	44%	396	48%	913	44%	1,013	54%	1,085	57%
433	45%	423	44%	395	48%	912	44%	1,013	54%	1,085	57%
432	45%	423	44%	395	48%	911	44%	1,012	54%	1,085	57%
432	45%	422	44%	395	48%	911	44%	1,012	54%	1,085	57%
432	45%	422	44%	394	48%	910	44%	1,012	54%	1,084	57%
432	46%	422	44%	394	48%	910	44%	1,012	54%	1,084	57%

Ellsworth Dam Tabular Flow Duration Data
 Source: Flow generated from Ellsworth hourly generation data
 Period of Record: August 2007 - December 2015

July		August		September		October		November		December	
Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance
431	46%	422	44%	393	48%	909	44%	1,011	54%	1,084	57%
431	46%	421	44%	393	48%	908	44%	1,011	54%	1,083	57%
431	46%	421	44%	393	48%	906	44%	1,011	54%	1,083	57%
430	46%	421	44%	392	48%	905	44%	1,011	54%	1,083	57%
430	46%	421	44%	392	48%	904	44%	1,010	54%	1,083	57%
430	46%	420	45%	392	48%	904	44%	1,010	55%	1,082	57%
430	46%	420	45%	391	48%	904	44%	1,010	55%	1,082	57%
429	46%	420	45%	391	48%	903	44%	1,009	55%	1,082	57%
429	46%	419	45%	391	48%	903	44%	1,009	55%	1,081	57%
429	46%	419	45%	390	48%	902	44%	1,009	55%	1,081	57%
429	46%	419	45%	390	48%	901	44%	1,008	55%	1,081	57%
428	46%	418	45%	390	48%	901	44%	1,008	55%	1,080	57%
428	46%	418	45%	389	48%	899	44%	1,007	55%	1,080	57%
428	46%	418	45%	389	48%	899	44%	1,007	55%	1,079	57%
427	46%	417	45%	389	48%	897	44%	1,007	55%	1,079	57%
427	47%	417	45%	388	48%	896	44%	1,006	55%	1,079	57%
427	47%	417	45%	388	49%	896	44%	1,006	55%	1,079	57%
426	47%	417	45%	388	49%	896	44%	1,006	55%	1,078	58%
426	47%	416	45%	388	49%	895	44%	1,005	55%	1,078	58%
426	47%	416	45%	387	49%	895	44%	1,004	55%	1,077	58%
425	47%	416	46%	387	49%	894	45%	1,004	55%	1,077	58%
425	47%	416	46%	387	49%	894	45%	1,004	55%	1,077	58%
425	47%	415	46%	387	49%	893	45%	1,003	55%	1,077	58%
425	47%	415	46%	386	49%	893	45%	1,003	55%	1,076	58%
424	47%	415	46%	386	49%	891	45%	1,003	55%	1,076	58%
424	47%	414	46%	386	49%	891	45%	1,003	55%	1,076	58%
424	47%	414	46%	385	49%	891	45%	1,002	55%	1,075	58%
424	47%	414	46%	385	49%	887	45%	1,002	55%	1,075	58%
423	47%	414	46%	385	49%	887	45%	1,002	55%	1,075	58%
423	48%	413	46%	385	49%	887	45%	1,001	55%	1,074	58%
423	48%	413	46%	384	49%	885	45%	1,001	55%	1,074	58%
422	48%	413	46%	384	49%	884	45%	1,001	55%	1,074	58%
422	48%	412	46%	383	50%	884	45%	1,001	55%	1,074	58%
422	48%	412	47%	383	50%	883	45%	1,000	55%	1,073	58%
422	48%	412	47%	383	50%	883	45%	1,000	56%	1,073	58%
421	48%	412	47%	382	50%	883	45%	1,000	56%	1,073	58%
421	48%	411	47%	382	50%	881	45%	999	56%	1,072	58%
421	48%	411	47%	382	50%	881	45%	999	56%	1,072	58%
420	48%	411	47%	382	50%	880	45%	998	56%	1,072	58%
420	48%	411	47%	381	50%	879	45%	998	56%	1,072	58%
419	48%	410	47%	381	50%	879	45%	997	56%	1,071	58%
419	48%	410	47%	381	50%	879	45%	996	56%	1,071	58%
419	48%	410	47%	380	50%	878	45%	996	56%	1,071	58%
419	48%	409	48%	380	50%	878	45%	996	56%	1,070	58%
418	49%	409	48%	380	50%	878	45%	995	56%	1,070	58%
418	49%	409	48%	380	50%	877	45%	995	56%	1,069	58%
418	49%	409	48%	379	50%	874	45%	995	56%	1,069	59%
417	49%	408	48%	379	50%	874	45%	993	56%	1,069	59%
417	49%	408	48%	378	50%	873	45%	993	56%	1,068	59%
417	49%	408	48%	377	50%	872	45%	993	56%	1,068	59%
417	49%	408	48%	377	50%	869	45%	993	56%	1,068	59%
416	49%	407	48%	377	50%	869	45%	992	56%	1,067	59%
416	49%	407	48%	377	50%	868	45%	992	56%	1,067	59%
416	49%	407	48%	376	50%	867	45%	991	56%	1,067	59%
416	49%	406	48%	375	50%	867	45%	991	56%	1,067	59%
415	49%	406	49%	375	51%	866	45%	990	56%	1,066	59%
415	49%	406	49%	375	51%	864	45%	990	56%	1,066	59%
415	49%	406	49%	374	51%	863	45%	988	56%	1,066	59%
414	49%	405	49%	374	51%	863	45%	988	56%	1,066	59%
414	49%	405	49%	374	51%	862	45%	988	56%	1,065	59%
414	49%	405	49%	374	51%	862	45%	987	56%	1,065	59%
414	50%	404	49%	373	51%	862	45%	987	56%	1,065	59%
413	50%	404	49%	373	51%	861	45%	987	56%	1,064	59%
413	50%	404	49%	372	51%	860	45%	985	56%	1,064	59%
412	50%	404	50%	372	51%	859	45%	985	56%	1,064	60%
412	50%	403	50%	372	51%	859	45%	984	57%	1,064	60%
412	50%	403	50%	372	51%	858	45%	984	57%	1,063	60%
412	50%	403	50%	371	51%	856	45%	982	57%	1,063	60%
411	50%	403	50%	371	51%	855	45%	980	57%	1,063	60%
411	50%	402	50%	371	51%	854	46%	979	57%	1,062	60%
411	50%	402	50%	370	51%	853	46%	979	57%	1,062	60%
411	50%	402	51%	370	51%	853	46%	977	57%	1,062	60%
410	50%	401	51%	370	51%	852	46%	976	57%	1,062	60%
410	50%	401	51%	369	51%	852	46%	975	57%	1,061	60%
410	50%	401	51%	369	51%	851	46%	975	57%	1,061	60%
409	51%	401	51%	368	51%	850	46%	975	57%	1,061	60%
409	51%	400	51%	367	51%	849	46%	974	57%	1,060	60%
409	51%	400	51%	367	51%	848	46%	973	57%	1,060	60%
409	51%	400	51%	367	51%	846	46%	972	57%	1,060	60%
408	51%	400	51%	366	51%	845	46%	972	57%	1,059	60%
408	51%	399	52%	366	51%	844	46%	971	57%	1,059	60%
408	51%	399	52%	366	51%	843	46%	970	57%	1,059	60%
408	51%	399	52%	364	51%	842	46%	970	57%	1,059	61%
407	51%	398	52%	364	51%	841	46%	968	57%	1,058	61%

Ellsworth Dam Tabular Flow Duration Data
 Source: Flow generated from Ellsworth hourly generation data
 Period of Record: August 2007 - December 2015

July		August		September		October		November		December	
Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance
407	51%	398	52%	363	51%	838	46%	966	57%	1,058	61%
407	51%	398	52%	363	51%	837	46%	966	57%	1,058	61%
406	51%	398	52%	363	51%	837	46%	965	57%	1,058	61%
406	51%	397	52%	362	51%	837	46%	965	57%	1,057	61%
406	52%	397	52%	362	51%	836	46%	964	57%	1,057	61%
406	52%	397	53%	361	51%	836	46%	964	57%	1,057	61%
405	52%	396	53%	360	51%	834	46%	964	57%	1,056	61%
405	52%	396	53%	360	51%	833	46%	962	57%	1,056	61%
405	52%	396	53%	359	52%	833	46%	962	57%	1,056	61%
404	52%	396	53%	359	52%	831	46%	961	57%	1,056	61%
404	52%	395	53%	358	52%	831	46%	960	57%	1,055	61%
404	52%	395	53%	356	52%	822	46%	957	57%	1,055	61%
404	52%	395	53%	356	52%	807	46%	956	57%	1,055	61%
403	52%	395	53%	356	52%	805	46%	956	57%	1,054	61%
403	52%	394	53%	355	52%	803	46%	955	57%	1,054	62%
403	53%	394	54%	355	52%	800	46%	953	57%	1,054	62%
403	53%	394	54%	354	52%	796	46%	951	57%	1,054	62%
402	53%	393	54%	353	52%	795	46%	950	57%	1,053	62%
402	53%	393	54%	353	52%	792	46%	949	57%	1,053	62%
402	53%	393	54%	353	52%	776	46%	949	57%	1,053	62%
401	53%	393	54%	353	52%	772	46%	948	57%	1,053	62%
401	53%	392	54%	351	52%	772	46%	948	57%	1,052	62%
401	53%	392	54%	351	52%	771	46%	944	58%	1,052	62%
401	53%	391	54%	350	52%	769	46%	944	58%	1,052	62%
400	53%	391	54%	348	52%	760	46%	942	58%	1,051	62%
400	53%	391	54%	348	52%	754	46%	941	58%	1,051	62%
400	53%	391	54%	348	52%	753	46%	940	58%	1,051	62%
400	53%	390	54%	347	52%	753	46%	940	58%	1,051	62%
399	53%	390	54%	347	52%	750	46%	939	58%	1,050	62%
399	53%	390	54%	347	52%	746	46%	937	58%	1,050	62%
399	54%	390	54%	346	52%	739	46%	937	58%	1,050	62%
398	54%	389	55%	346	52%	736	46%	936	58%	1,049	62%
398	54%	389	55%	346	52%	733	46%	932	58%	1,049	63%
398	54%	389	55%	345	52%	732	46%	931	58%	1,049	63%
398	54%	388	55%	345	52%	729	46%	931	58%	1,048	63%
397	54%	388	55%	345	52%	718	47%	929	58%	1,048	63%
397	54%	388	55%	344	52%	708	47%	928	58%	1,048	63%
397	54%	388	56%	344	52%	695	47%	928	58%	1,048	63%
396	54%	387	56%	344	52%	694	47%	927	58%	1,047	63%
396	54%	387	56%	343	52%	693	47%	927	58%	1,047	63%
396	54%	387	56%	343	52%	675	47%	921	58%	1,047	63%
396	54%	387	56%	343	52%	674	47%	920	58%	1,046	63%
395	54%	386	56%	342	52%	674	47%	919	58%	1,046	63%
395	54%	385	56%	342	53%	673	47%	917	58%	1,046	63%
395	54%	385	56%	341	53%	673	47%	915	58%	1,046	63%
395	54%	385	56%	340	53%	672	47%	915	58%	1,045	63%
394	54%	384	56%	340	53%	672	47%	914	58%	1,045	63%
394	54%	384	56%	340	53%	671	47%	913	58%	1,045	63%
394	55%	384	56%	339	53%	670	47%	912	58%	1,044	63%
393	55%	383	56%	339	53%	661	47%	911	58%	1,044	63%
393	55%	383	56%	339	53%	661	47%	909	58%	1,044	63%
393	55%	383	57%	338	53%	659	47%	909	58%	1,043	63%
393	55%	383	57%	338	53%	659	47%	908	58%	1,043	63%
392	55%	382	57%	338	53%	658	47%	907	58%	1,043	63%
392	55%	382	57%	338	53%	658	47%	907	58%	1,043	64%
392	55%	382	57%	337	53%	657	47%	906	58%	1,042	64%
391	55%	381	57%	337	53%	656	47%	905	58%	1,042	64%
391	55%	381	57%	337	53%	656	47%	904	58%	1,042	64%
391	55%	380	57%	336	53%	651	47%	903	58%	1,041	64%
391	55%	380	57%	335	53%	651	47%	901	58%	1,041	64%
390	55%	380	57%	335	53%	651	47%	900	58%	1,040	64%
390	55%	380	57%	335	53%	648	47%	898	58%	1,040	64%
390	55%	379	57%	335	53%	647	47%	897	58%	1,040	64%
390	55%	379	57%	334	53%	647	47%	896	58%	1,040	64%
389	55%	379	57%	334	53%	646	47%	895	58%	1,039	64%
389	55%	379	57%	333	53%	646	47%	895	59%	1,039	64%
389	56%	378	57%	333	53%	645	47%	894	59%	1,039	64%
388	56%	378	57%	333	53%	645	47%	892	59%	1,038	64%
388	56%	378	57%	332	53%	645	47%	890	59%	1,038	64%
388	56%	377	57%	332	53%	644	47%	889	59%	1,038	64%
388	56%	377	58%	331	54%	640	47%	889	59%	1,037	64%
387	56%	377	58%	331	54%	640	47%	888	59%	1,037	65%
387	56%	377	58%	331	54%	638	47%	887	59%	1,037	65%
387	56%	376	58%	330	54%	637	47%	887	59%	1,037	65%
387	56%	376	58%	330	54%	637	47%	886	59%	1,036	65%
386	56%	376	58%	330	54%	636	47%	885	59%	1,036	65%
386	56%	375	58%	329	54%	633	47%	885	59%	1,036	65%
385	56%	375	58%	329	54%	633	47%	884	59%	1,035	65%
385	56%	375	58%	329	54%	631	47%	884	59%	1,035	65%
385	57%	374	58%	328	54%	630	47%	884	59%	1,035	65%
385	57%	374	58%	328	54%	629	47%	883	59%	1,035	65%
384	57%	374	58%	328	54%	629	48%	883	59%	1,034	65%
384	57%	373	58%	327	54%	624	48%	881	59%	1,034	65%
384	57%	373	58%	327	54%	623	48%	881	59%	1,034	65%

Ellsworth Dam Tabular Flow Duration Data
 Source: Flow generated from Ellsworth hourly generation data
 Period of Record: August 2007 - December 2015

July		August		September		October		November		December	
Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance
383	57%	373	58%	327	54%	623	48%	880	59%	1,033	65%
383	57%	372	58%	327	54%	622	48%	880	59%	1,033	65%
383	57%	372	58%	326	54%	621	48%	880	59%	1,033	65%
383	57%	372	58%	326	54%	620	48%	879	59%	1,033	65%
382	57%	371	58%	326	54%	620	48%	879	59%	1,032	65%
382	57%	371	58%	325	55%	619	48%	878	59%	1,032	65%
382	57%	371	58%	325	55%	619	48%	877	59%	1,032	65%
382	57%	371	58%	325	55%	617	48%	877	59%	1,031	65%
381	57%	370	58%	325	55%	617	48%	876	59%	1,031	65%
381	57%	370	58%	324	55%	617	48%	875	59%	1,031	65%
381	57%	370	59%	324	55%	616	48%	875	59%	1,030	65%
380	58%	369	59%	324	55%	614	48%	874	59%	1,030	65%
380	58%	369	59%	324	55%	613	48%	873	59%	1,030	66%
380	58%	369	59%	323	55%	613	48%	872	59%	1,030	66%
380	58%	369	59%	323	55%	611	48%	872	59%	1,029	66%
379	58%	368	59%	323	55%	611	48%	871	59%	1,029	66%
379	58%	368	59%	322	55%	611	48%	870	59%	1,029	66%
379	58%	368	59%	322	55%	607	48%	869	59%	1,028	66%
378	58%	367	59%	322	55%	607	48%	869	60%	1,027	66%
378	58%	367	59%	322	55%	607	48%	868	60%	1,027	66%
378	58%	367	59%	321	55%	606	48%	868	60%	1,027	66%
377	58%	367	59%	321	56%	606	48%	867	60%	1,027	66%
377	58%	366	59%	320	56%	605	48%	866	60%	1,026	66%
377	58%	366	59%	320	56%	605	48%	866	60%	1,026	66%
376	58%	366	59%	320	56%	604	48%	865	60%	1,026	66%
376	58%	366	59%	319	56%	604	48%	864	60%	1,025	66%
375	59%	365	59%	319	56%	604	48%	864	60%	1,025	66%
375	59%	365	59%	319	56%	603	48%	864	60%	1,025	66%
375	59%	365	59%	319	56%	603	48%	864	60%	1,025	66%
375	59%	364	59%	318	56%	603	48%	863	60%	1,024	66%
374	59%	364	59%	318	56%	602	48%	862	60%	1,024	66%
374	59%	363	59%	318	56%	602	48%	861	60%	1,023	66%
373	59%	363	59%	317	56%	601	48%	860	60%	1,023	66%
373	59%	362	59%	317	57%	601	48%	859	60%	1,023	66%
373	59%	362	59%	317	57%	601	48%	859	60%	1,022	67%
372	59%	362	59%	317	57%	600	48%	859	60%	1,022	67%
372	59%	362	59%	316	57%	599	48%	858	60%	1,022	67%
372	59%	361	59%	316	57%	599	48%	858	60%	1,022	67%
372	59%	361	60%	316	57%	598	48%	858	60%	1,021	67%
371	59%	361	60%	315	57%	598	48%	857	60%	1,021	67%
371	59%	360	60%	315	57%	597	48%	857	60%	1,021	67%
371	59%	360	60%	315	57%	596	49%	856	60%	1,020	67%
371	59%	359	60%	314	57%	596	49%	856	60%	1,020	67%
370	60%	359	60%	314	57%	595	49%	855	60%	1,020	67%
370	60%	358	60%	314	58%	595	49%	855	60%	1,019	67%
370	60%	358	60%	314	58%	593	49%	854	60%	1,019	67%
369	60%	357	60%	313	58%	593	49%	854	60%	1,018	67%
369	60%	356	60%	313	58%	592	49%	853	60%	1,018	67%
369	60%	356	60%	313	58%	591	49%	853	60%	1,018	67%
369	60%	356	60%	312	58%	590	49%	852	60%	1,017	67%
368	60%	356	60%	312	58%	590	49%	852	60%	1,017	67%
368	60%	355	60%	312	58%	588	49%	850	60%	1,016	67%
368	60%	355	60%	312	58%	587	49%	850	60%	1,016	67%
367	60%	355	60%	311	58%	587	49%	850	60%	1,015	67%
367	61%	354	60%	311	58%	585	49%	849	60%	1,014	67%
367	61%	354	60%	311	58%	585	49%	849	60%	1,014	67%
366	61%	354	60%	310	59%	584	49%	848	60%	1,014	67%
366	61%	353	61%	310	59%	584	49%	847	60%	1,014	67%
366	61%	353	61%	310	59%	582	49%	847	61%	1,013	67%
366	61%	353	61%	309	59%	581	49%	845	61%	1,013	67%
365	61%	353	61%	309	59%	579	49%	845	61%	1,012	67%
365	61%	352	61%	309	59%	577	49%	845	61%	1,012	67%
365	61%	352	61%	309	59%	577	49%	844	61%	1,012	68%
364	61%	352	61%	308	59%	577	49%	842	61%	1,011	68%
364	61%	351	61%	308	59%	576	49%	842	61%	1,011	68%
364	61%	351	61%	308	59%	576	49%	841	61%	1,011	68%
364	62%	351	61%	308	60%	575	49%	840	61%	1,011	68%
363	62%	351	61%	307	60%	574	49%	840	61%	1,010	68%
363	62%	350	61%	307	60%	574	49%	839	61%	1,010	68%
363	62%	350	61%	307	60%	573	49%	838	61%	1,009	68%
362	62%	350	61%	306	60%	573	49%	838	61%	1,009	68%
362	62%	350	61%	306	60%	572	49%	837	61%	1,009	68%
362	62%	349	61%	306	60%	571	49%	836	61%	1,008	68%
362	62%	349	61%	306	60%	570	49%	835	61%	1,008	68%
361	62%	349	61%	305	60%	569	49%	833	61%	1,007	68%
361	62%	348	61%	305	60%	569	49%	833	61%	1,006	68%
361	62%	348	61%	305	60%	568	49%	832	61%	1,006	68%
361	62%	348	61%	304	60%	567	49%	831	61%	1,006	68%
360	62%	348	61%	304	60%	567	49%	830	61%	1,006	68%
360	62%	347	61%	304	60%	566	49%	830	61%	1,005	68%
360	62%	347	61%	304	61%	566	49%	828	61%	1,005	68%
359	62%	346	62%	303	61%	566	49%	828	61%	1,005	68%
359	63%	346	62%	303	61%	565	49%	826	61%	1,004	68%
359	63%	346	62%	303	61%	565	50%	825	61%	1,004	68%

Ellsworth Dam Tabular Flow Duration Data
 Source: Flow generated from Ellsworth hourly generation data
 Period of Record: August 2007 - December 2015

July		August		September		October		November		December	
Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance
358	63%	345	62%	303	61%	564	50%	823	61%	1,004	68%
358	63%	345	62%	302	61%	564	50%	820	61%	1,004	68%
358	63%	345	62%	301	61%	562	50%	820	61%	1,003	68%
358	63%	344	62%	301	61%	562	50%	819	61%	1,002	68%
357	63%	344	62%	301	61%	561	50%	811	61%	1,002	68%
357	63%	344	62%	301	61%	560	50%	810	61%	1,002	68%
357	63%	343	62%	300	61%	560	50%	803	61%	1,001	68%
356	63%	343	62%	300	61%	559	50%	801	61%	1,001	68%
356	63%	343	62%	300	61%	557	50%	800	61%	1,000	68%
356	63%	343	62%	300	61%	557	50%	794	61%	1,000	68%
356	63%	342	62%	299	61%	556	50%	786	61%	1,000	68%
355	63%	342	62%	299	62%	556	50%	782	61%	999	68%
355	64%	342	62%	299	62%	555	50%	782	61%	999	68%
354	64%	341	62%	298	62%	554	50%	773	61%	998	68%
354	64%	341	63%	298	62%	554	50%	772	62%	998	68%
354	64%	341	63%	298	62%	554	50%	762	62%	998	69%
354	64%	341	63%	298	62%	554	50%	755	62%	997	69%
353	64%	340	63%	297	62%	553	50%	752	62%	996	69%
353	64%	340	63%	297	62%	553	50%	748	62%	996	69%
353	64%	340	63%	297	62%	553	50%	742	62%	996	69%
353	64%	339	63%	296	62%	553	50%	739	62%	996	69%
352	64%	339	63%	296	62%	552	50%	738	62%	995	69%
352	64%	339	63%	296	63%	552	50%	732	62%	995	69%
352	64%	338	63%	296	63%	552	50%	725	62%	995	69%
351	64%	338	63%	295	63%	551	50%	725	62%	995	69%
351	64%	338	63%	295	63%	551	50%	700	62%	994	69%
351	64%	337	63%	295	63%	551	50%	700	62%	994	69%
351	65%	337	63%	295	63%	550	50%	699	62%	993	69%
350	65%	337	64%	294	63%	550	50%	697	62%	992	69%
350	65%	337	64%	294	63%	550	50%	693	62%	992	69%
350	65%	336	64%	294	63%	549	51%	691	62%	992	69%
350	65%	336	64%	293	63%	548	51%	688	62%	991	69%
349	65%	336	64%	293	63%	548	51%	678	62%	991	69%
349	65%	335	64%	293	63%	548	51%	675	62%	991	69%
349	65%	335	64%	293	63%	547	51%	672	62%	990	69%
348	65%	335	64%	292	63%	547	51%	669	62%	990	69%
348	65%	335	64%	292	63%	547	51%	668	62%	990	69%
348	65%	334	64%	292	64%	546	51%	666	62%	990	69%
347	65%	334	64%	291	64%	546	51%	666	62%	988	69%
347	65%	334	64%	291	64%	546	51%	661	62%	988	69%
347	65%	333	64%	291	64%	546	51%	658	62%	988	69%
346	66%	333	64%	291	64%	545	51%	658	62%	988	69%
346	66%	333	65%	290	64%	545	51%	657	62%	987	70%
346	66%	333	65%	290	64%	544	51%	654	62%	987	70%
346	66%	332	65%	290	64%	544	51%	648	62%	987	70%
345	66%	332	65%	290	64%	543	51%	648	62%	987	70%
345	66%	332	65%	289	64%	543	51%	647	62%	986	70%
345	66%	332	65%	289	64%	542	51%	646	62%	985	70%
345	66%	331	65%	288	64%	542	51%	646	62%	985	70%
344	66%	331	65%	288	64%	541	51%	645	62%	985	70%
344	66%	331	65%	288	64%	541	51%	645	62%	984	70%
344	66%	330	65%	287	64%	540	51%	645	62%	984	70%
343	66%	330	65%	287	64%	540	51%	644	62%	984	70%
343	66%	330	65%	287	65%	539	51%	644	62%	983	70%
343	66%	330	66%	287	65%	539	51%	643	62%	983	70%
343	66%	329	66%	286	65%	538	51%	643	62%	983	70%
342	67%	329	66%	286	65%	538	51%	642	62%	982	70%
342	67%	329	66%	285	65%	537	51%	642	62%	982	70%
342	67%	329	66%	285	65%	537	51%	639	62%	982	70%
341	67%	328	66%	285	65%	537	51%	639	62%	981	70%
341	67%	328	66%	285	65%	537	51%	636	62%	981	70%
341	67%	328	66%	284	65%	536	51%	636	63%	981	70%
341	67%	327	66%	284	65%	536	51%	635	63%	980	70%
340	67%	327	66%	284	65%	535	51%	635	63%	980	70%
340	67%	327	66%	283	65%	535	51%	635	63%	980	70%
340	67%	327	66%	283	65%	535	51%	634	63%	979	70%
340	67%	326	66%	283	65%	534	51%	634	63%	979	70%
339	67%	326	66%	283	66%	534	51%	634	63%	979	70%
339	67%	326	66%	282	66%	534	52%	633	63%	978	70%
338	67%	325	67%	282	66%	533	52%	633	63%	978	70%
338	67%	325	67%	282	66%	532	52%	633	63%	978	70%
338	67%	325	67%	282	66%	532	52%	632	63%	977	70%
337	67%	325	67%	281	66%	531	52%	630	63%	977	70%
337	68%	324	67%	281	66%	531	52%	628	63%	977	70%
337	68%	324	67%	281	66%	530	52%	628	63%	976	71%
337	68%	324	67%	280	66%	530	52%	628	63%	975	71%
336	68%	324	67%	280	66%	529	52%	625	63%	975	71%
336	68%	323	67%	280	66%	529	52%	623	63%	975	71%
336	68%	323	67%	280	66%	529	52%	623	63%	975	71%
335	68%	323	67%	279	66%	528	52%	621	63%	974	71%
335	68%	322	67%	279	66%	528	52%	620	63%	974	71%
335	68%	322	67%	279	67%	527	52%	620	63%	973	71%
335	68%	322	68%	279	67%	527	52%	620	63%	973	71%
334	68%	322	68%	278	67%	526	52%	619	63%	972	71%

Ellsworth Dam Tabular Flow Duration Data
 Source: Flow generated from Ellsworth hourly generation data
 Period of Record: August 2007 - December 2015

July		August		September		October		November		December	
Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance
334	68%	321	68%	278	67%	526	52%	619	63%	972	71%
334	68%	321	68%	277	67%	526	52%	618	63%	972	71%
333	68%	321	68%	277	67%	525	52%	617	63%	971	71%
333	68%	320	68%	277	67%	525	52%	617	63%	971	71%
333	68%	320	68%	277	67%	524	52%	616	63%	971	71%
333	68%	320	68%	276	67%	524	52%	615	63%	970	71%
332	68%	319	68%	276	67%	524	52%	614	63%	970	71%
332	69%	319	68%	275	67%	523	52%	613	63%	969	71%
332	69%	319	69%	275	67%	523	52%	613	63%	969	71%
332	69%	319	69%	275	67%	522	52%	612	63%	969	71%
331	69%	318	69%	275	67%	521	52%	611	63%	969	71%
331	69%	318	69%	274	67%	519	52%	611	63%	968	71%
331	69%	318	69%	274	68%	518	52%	610	63%	968	71%
330	69%	317	69%	274	68%	517	52%	608	63%	968	71%
330	69%	317	69%	274	68%	517	52%	607	63%	967	71%
330	69%	317	69%	273	68%	516	52%	606	63%	967	71%
330	69%	317	69%	273	68%	516	52%	603	63%	966	71%
329	69%	316	69%	273	68%	515	52%	602	63%	966	71%
329	69%	316	69%	272	68%	515	52%	597	64%	965	71%
329	69%	316	69%	272	68%	515	52%	596	64%	965	71%
329	69%	316	69%	272	68%	513	52%	596	64%	964	71%
328	70%	315	69%	271	68%	513	52%	596	64%	964	71%
328	70%	315	69%	271	68%	512	52%	594	64%	964	71%
328	70%	315	70%	271	68%	511	52%	593	64%	964	71%
327	70%	314	70%	271	68%	510	52%	591	64%	963	71%
327	70%	314	70%	270	69%	510	52%	591	64%	963	72%
327	70%	314	70%	270	69%	510	52%	590	64%	962	72%
327	70%	314	70%	270	69%	509	52%	590	64%	962	72%
326	70%	313	70%	269	69%	509	53%	590	64%	962	72%
326	70%	313	70%	269	69%	508	53%	589	64%	962	72%
326	70%	313	70%	269	69%	507	53%	588	64%	961	72%
325	70%	312	70%	269	69%	506	53%	588	64%	961	72%
325	71%	312	70%	268	69%	506	53%	587	64%	961	72%
325	71%	312	70%	268	69%	506	53%	587	64%	960	72%
325	71%	312	70%	268	69%	504	53%	585	64%	960	72%
324	71%	311	70%	267	69%	503	53%	585	64%	960	72%
324	71%	311	70%	267	69%	503	53%	584	64%	959	72%
324	71%	311	70%	267	69%	503	53%	584	64%	959	72%
324	71%	310	70%	267	69%	501	53%	583	64%	958	72%
323	71%	310	71%	266	69%	501	53%	583	64%	958	72%
323	72%	310	71%	266	70%	500	53%	581	64%	958	72%
323	72%	309	71%	266	70%	500	53%	581	64%	957	72%
322	72%	309	71%	266	70%	499	53%	580	64%	957	72%
322	72%	309	71%	265	70%	498	53%	579	64%	956	72%
322	72%	309	71%	265	70%	498	53%	579	64%	956	72%
322	72%	308	71%	265	70%	497	53%	578	64%	955	72%
321	72%	308	71%	264	70%	497	53%	578	64%	955	72%
321	72%	308	71%	264	70%	494	53%	577	64%	955	72%
321	72%	308	71%	264	70%	494	53%	576	64%	954	72%
321	72%	307	71%	263	70%	494	53%	573	64%	954	72%
320	72%	307	71%	263	70%	493	53%	572	64%	953	72%
320	72%	306	71%	263	70%	493	53%	572	64%	953	72%
320	73%	306	71%	262	71%	492	53%	570	64%	952	72%
319	73%	306	71%	262	71%	491	53%	570	64%	951	72%
319	73%	305	71%	262	71%	490	53%	569	64%	951	72%
319	73%	305	71%	262	71%	490	53%	569	64%	950	72%
319	73%	305	72%	261	71%	489	53%	569	64%	949	72%
318	73%	304	72%	261	71%	488	53%	568	64%	948	72%
318	73%	304	72%	261	71%	487	53%	568	64%	948	72%
318	73%	304	72%	260	71%	487	53%	567	64%	948	72%
317	73%	303	72%	260	71%	486	53%	567	64%	947	72%
317	73%	303	72%	260	71%	486	53%	566	65%	947	72%
317	73%	303	72%	259	71%	485	53%	566	65%	946	72%
317	73%	303	72%	259	71%	485	53%	565	65%	945	73%
316	74%	302	72%	259	71%	485	53%	564	65%	944	73%
316	74%	302	72%	259	71%	484	53%	563	65%	944	73%
316	74%	302	72%	258	71%	481	53%	563	65%	943	73%
316	74%	301	72%	258	71%	480	53%	562	65%	942	73%
315	74%	301	72%	258	71%	480	53%	561	65%	941	73%
315	74%	300	72%	258	71%	479	54%	561	65%	941	73%
315	74%	300	72%	257	71%	478	54%	559	65%	939	73%
314	74%	300	72%	257	71%	477	54%	558	65%	938	73%
314	74%	300	72%	257	71%	476	54%	557	65%	938	73%
314	74%	299	73%	256	72%	475	54%	557	65%	935	73%
314	74%	299	73%	256	72%	475	54%	555	65%	934	73%
313	74%	299	73%	256	72%	474	54%	554	65%	932	73%
313	74%	298	73%	256	72%	473	54%	554	65%	931	73%
313	74%	298	73%	255	72%	472	54%	554	65%	930	73%
312	75%	298	73%	255	72%	470	54%	553	65%	930	73%
312	75%	297	73%	255	72%	470	54%	553	65%	930	73%
312	75%	297	73%	254	72%	469	54%	553	65%	927	73%
312	75%	297	73%	254	72%	469	54%	552	65%	926	73%
311	75%	296	73%	254	72%	468	54%	551	65%	924	73%
311	75%	296	73%	254	72%	467	54%	551	65%	924	73%

Ellsworth Dam Tabular Flow Duration Data
 Source: Flow generated from Ellsworth hourly generation data
 Period of Record: August 2007 - December 2015

July		August		September		October		November		December	
Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance
311	75%	295	73%	253	72%	467	54%	551	65%	924	73%
311	75%	295	73%	253	72%	466	54%	549	65%	923	73%
310	75%	295	73%	253	72%	466	54%	549	65%	922	73%
310	75%	295	73%	253	72%	465	54%	548	65%	921	73%
310	75%	294	73%	252	72%	465	54%	547	65%	921	73%
309	75%	294	74%	252	72%	464	54%	546	65%	920	73%
309	75%	294	74%	252	72%	464	54%	546	65%	919	73%
309	75%	293	74%	251	72%	464	54%	545	65%	918	73%
309	75%	293	74%	251	72%	463	54%	543	65%	917	73%
308	75%	293	74%	251	72%	462	54%	542	65%	916	73%
308	75%	292	74%	251	73%	462	54%	542	65%	914	73%
308	76%	292	74%	250	73%	462	54%	541	65%	914	73%
308	76%	292	74%	250	73%	461	54%	540	66%	912	73%
307	76%	291	74%	250	73%	460	54%	536	66%	912	73%
307	76%	291	74%	250	73%	458	54%	536	66%	912	73%
307	76%	291	74%	249	73%	458	54%	535	66%	911	73%
306	76%	291	75%	249	73%	458	54%	535	66%	911	73%
306	76%	290	75%	249	73%	458	54%	535	66%	910	73%
306	76%	290	75%	248	73%	457	54%	534	66%	910	73%
306	76%	290	75%	248	73%	457	54%	532	66%	908	73%
305	76%	290	75%	248	73%	456	54%	530	66%	907	73%
305	76%	289	75%	248	74%	456	54%	529	66%	907	73%
304	76%	289	75%	247	74%	456	55%	529	66%	906	73%
304	76%	289	75%	247	74%	456	55%	528	66%	905	73%
304	76%	288	75%	247	74%	455	55%	527	66%	904	73%
304	76%	288	75%	246	74%	455	55%	527	66%	903	73%
303	76%	288	75%	246	74%	454	55%	524	66%	902	73%
303	77%	288	75%	246	74%	454	55%	523	66%	902	73%
303	77%	287	75%	246	74%	454	55%	521	66%	899	73%
302	77%	287	75%	245	74%	454	55%	521	66%	899	74%
302	77%	287	75%	245	75%	453	55%	519	66%	899	74%
302	77%	286	75%	245	75%	453	55%	518	66%	898	74%
301	77%	286	75%	245	75%	453	55%	517	66%	897	74%
301	77%	286	75%	244	75%	453	55%	517	66%	897	74%
301	77%	285	75%	244	75%	452	55%	517	66%	896	74%
301	77%	285	75%	244	75%	452	55%	516	66%	894	74%
300	77%	285	76%	243	75%	451	55%	516	66%	893	74%
300	77%	284	76%	243	75%	451	55%	514	66%	892	74%
300	77%	284	76%	243	75%	451	55%	513	66%	892	74%
300	77%	284	76%	242	75%	451	55%	513	66%	891	74%
299	77%	283	76%	242	75%	450	55%	512	66%	891	74%
299	77%	283	76%	242	76%	450	55%	512	66%	890	74%
299	77%	283	76%	241	76%	450	55%	512	66%	890	74%
298	78%	282	76%	241	76%	450	55%	512	66%	889	74%
298	78%	282	76%	241	76%	449	55%	511	66%	888	74%
298	78%	282	76%	241	76%	449	55%	511	66%	887	74%
298	78%	282	76%	240	76%	449	55%	511	67%	886	74%
297	78%	281	76%	240	76%	448	56%	511	67%	885	74%
297	78%	281	76%	240	76%	448	56%	510	67%	885	74%
297	78%	281	77%	240	76%	448	56%	510	67%	882	74%
296	78%	280	77%	239	77%	448	56%	510	67%	882	74%
296	78%	280	77%	239	77%	447	56%	509	67%	882	74%
296	78%	280	77%	239	77%	446	56%	509	67%	880	74%
296	78%	280	77%	238	77%	446	56%	509	67%	879	74%
295	78%	279	77%	238	77%	446	56%	509	67%	879	74%
295	78%	279	77%	238	77%	445	56%	508	67%	879	74%
295	78%	279	77%	238	77%	445	56%	508	68%	878	74%
295	78%	279	77%	237	77%	445	56%	508	68%	878	74%
294	78%	278	77%	237	77%	444	56%	508	68%	876	74%
294	78%	278	77%	237	78%	444	56%	507	68%	875	74%
293	78%	277	77%	237	78%	444	56%	507	68%	874	74%
293	78%	277	77%	236	78%	443	56%	507	68%	871	74%
293	78%	277	77%	236	78%	443	56%	506	68%	869	74%
293	79%	277	77%	236	78%	443	56%	506	68%	868	74%
292	79%	276	78%	235	78%	443	56%	506	68%	866	74%
292	79%	276	78%	235	78%	442	56%	506	68%	863	74%
292	79%	276	78%	235	78%	442	56%	505	69%	859	74%
291	79%	275	78%	235	78%	441	56%	505	69%	858	74%
291	79%	275	79%	234	78%	441	56%	505	69%	855	74%
291	79%	275	79%	234	78%	441	56%	504	69%	854	74%
290	79%	275	79%	234	79%	440	56%	504	69%	850	74%
290	79%	274	79%	233	79%	440	56%	504	69%	847	74%
290	79%	274	80%	233	79%	440	56%	504	69%	845	74%
290	79%	274	80%	233	79%	439	57%	503	69%	843	74%
289	79%	274	80%	233	79%	439	57%	503	70%	842	74%
289	79%	273	80%	232	79%	439	57%	503	70%	838	74%
288	79%	273	80%	232	79%	438	57%	503	70%	836	74%
288	79%	273	80%	232	79%	438	57%	502	70%	832	74%
288	79%	272	80%	232	79%	438	57%	502	70%	831	74%
287	79%	272	80%	231	79%	438	57%	502	70%	828	74%
287	80%	272	81%	231	79%	437	57%	501	70%	821	74%
287	80%	272	81%	231	79%	437	57%	501	70%	816	74%
286	80%	271	81%	230	80%	436	57%	501	70%	815	74%
286	80%	271	81%	230	80%	436	57%	500	70%	810	74%

Ellsworth Dam Tabular Flow Duration Data
 Source: Flow generated from Ellsworth hourly generation data
 Period of Record: August 2007 - December 2015

July		August		September		October		November		December	
Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance
286	80%	271	81%	230	80%	435	57%	500	70%	808	74%
285	80%	271	81%	230	80%	435	57%	500	70%	803	74%
285	80%	270	81%	229	80%	435	57%	499	70%	802	74%
285	80%	270	81%	229	80%	434	57%	499	70%	799	74%
285	80%	270	81%	229	80%	434	57%	498	70%	797	75%
284	80%	269	81%	229	80%	433	57%	498	70%	788	75%
284	80%	269	81%	228	80%	433	57%	497	70%	786	75%
284	80%	269	82%	228	81%	433	57%	496	70%	778	75%
283	80%	269	82%	228	81%	432	57%	496	70%	777	75%
283	80%	268	82%	227	81%	432	57%	495	70%	774	75%
283	80%	268	82%	227	81%	432	57%	495	70%	760	75%
283	80%	268	82%	227	81%	431	57%	494	71%	754	75%
282	80%	267	82%	227	81%	431	57%	493	71%	753	75%
282	81%	267	82%	226	81%	430	57%	493	71%	737	75%
282	81%	267	82%	226	81%	430	57%	493	71%	734	75%
282	81%	267	82%	226	81%	430	57%	492	71%	733	75%
281	81%	266	82%	225	81%	430	57%	492	71%	716	75%
281	81%	266	83%	225	81%	429	57%	492	71%	711	75%
281	81%	266	83%	225	82%	429	57%	491	71%	707	75%
280	81%	266	83%	225	82%	429	57%	490	71%	706	75%
280	81%	265	83%	224	82%	428	57%	490	71%	698	75%
280	81%	265	83%	224	82%	428	57%	490	71%	683	75%
280	81%	265	83%	224	82%	427	57%	490	71%	677	75%
279	81%	264	83%	224	82%	427	57%	489	71%	675	75%
279	81%	264	83%	223	82%	427	57%	488	71%	674	75%
279	81%	264	83%	223	82%	427	58%	488	71%	660	75%
279	81%	264	83%	223	82%	426	58%	488	71%	650	75%
278	81%	263	83%	222	82%	426	58%	487	71%	647	75%
278	82%	263	83%	222	82%	425	58%	487	71%	646	75%
278	82%	263	83%	222	82%	425	58%	486	71%	645	75%
277	82%	262	83%	222	82%	424	58%	486	71%	644	75%
277	82%	262	83%	221	83%	424	58%	485	71%	644	75%
277	82%	262	83%	221	83%	424	58%	485	71%	643	75%
277	82%	262	83%	221	83%	423	58%	484	71%	643	75%
276	82%	261	84%	221	83%	422	58%	483	71%	643	75%
276	82%	261	84%	220	83%	422	58%	483	71%	642	75%
276	82%	261	84%	220	83%	422	58%	483	71%	642	75%
275	82%	261	84%	220	83%	421	58%	482	71%	642	75%
275	82%	260	84%	219	83%	421	58%	482	71%	641	75%
275	82%	260	84%	219	83%	421	58%	481	71%	641	75%
275	82%	260	84%	219	84%	421	58%	480	71%	641	75%
274	82%	259	84%	219	84%	420	58%	480	71%	640	75%
274	82%	259	84%	218	84%	420	58%	480	72%	640	75%
274	82%	259	84%	218	84%	419	58%	479	72%	640	75%
274	83%	259	84%	218	84%	419	58%	479	72%	639	75%
273	83%	258	84%	217	84%	419	58%	479	72%	639	75%
273	83%	258	84%	217	84%	419	58%	477	72%	638	75%
273	83%	258	85%	217	84%	418	58%	477	72%	638	75%
272	83%	257	85%	217	84%	418	58%	476	72%	638	76%
272	83%	257	85%	216	85%	418	58%	476	72%	637	76%
272	83%	257	85%	216	85%	417	58%	475	72%	637	76%
271	83%	256	85%	216	85%	416	58%	474	72%	637	76%
271	83%	256	85%	216	85%	416	58%	474	72%	636	76%
271	83%	256	85%	215	85%	415	58%	474	72%	636	76%
271	83%	256	85%	215	85%	415	58%	473	72%	635	76%
270	84%	255	85%	215	85%	414	58%	473	72%	635	76%
270	84%	255	85%	214	85%	414	58%	472	72%	635	76%
270	84%	255	86%	214	85%	413	58%	472	72%	634	76%
269	84%	254	86%	214	86%	413	58%	472	72%	633	76%
269	84%	254	86%	214	86%	412	59%	470	72%	633	76%
269	84%	254	86%	213	86%	412	59%	470	72%	633	76%
269	84%	254	86%	213	86%	412	59%	470	72%	632	76%
268	84%	253	86%	213	86%	411	59%	469	72%	632	76%
268	84%	253	86%	212	86%	410	59%	469	72%	632	76%
268	84%	253	86%	212	86%	410	59%	467	72%	630	76%
267	84%	253	86%	212	86%	409	59%	467	72%	629	76%
267	85%	252	86%	212	86%	409	59%	467	72%	629	76%
267	85%	252	87%	211	87%	408	59%	465	72%	629	76%
266	85%	252	87%	211	87%	408	59%	464	72%	628	76%
266	85%	251	87%	211	87%	408	59%	464	72%	627	76%
266	85%	251	87%	211	87%	407	59%	463	72%	626	76%
266	85%	251	87%	210	87%	407	59%	462	72%	626	76%
265	85%	251	87%	210	87%	406	59%	462	73%	625	76%
265	85%	250	87%	210	87%	406	59%	461	73%	624	76%
265	85%	250	87%	209	87%	405	59%	460	73%	623	76%
264	85%	250	87%	209	87%	405	59%	459	73%	621	76%
264	85%	250	87%	209	87%	405	59%	459	73%	621	76%
264	85%	249	87%	209	87%	404	59%	457	73%	620	76%
264	85%	249	87%	208	88%	404	59%	455	73%	620	76%
263	85%	249	88%	208	88%	404	59%	454	73%	619	76%
263	85%	248	88%	208	88%	404	59%	454	73%	619	76%
263	85%	248	88%	208	88%	403	59%	453	73%	619	76%
262	85%	248	88%	207	88%	403	59%	453	73%	618	76%
262	85%	248	88%	207	88%	403	59%	450	73%	618	76%

Ellsworth Dam Tabular Flow Duration Data
 Source: Flow generated from Ellsworth hourly generation data
 Period of Record: August 2007 - December 2015

July		August		September		October		November		December	
Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance
262	85%	247	88%	207	88%	402	59%	449	73%	617	76%
262	85%	247	88%	206	88%	402	59%	449	73%	616	76%
261	86%	247	88%	206	88%	401	59%	442	73%	614	76%
261	86%	246	88%	206	88%	401	59%	441	73%	614	77%
261	86%	246	88%	206	88%	401	59%	441	73%	614	77%
260	86%	246	88%	205	89%	401	59%	441	73%	613	77%
260	86%	246	88%	205	89%	400	59%	440	73%	613	77%
260	86%	245	88%	205	89%	400	59%	440	73%	613	77%
259	86%	245	89%	204	89%	400	59%	439	73%	612	77%
259	86%	245	89%	204	89%	399	60%	439	73%	610	77%
259	86%	245	89%	204	89%	399	60%	438	73%	609	77%
259	86%	244	89%	203	89%	398	60%	438	73%	609	77%
258	86%	244	89%	203	89%	398	60%	437	73%	608	77%
258	86%	244	89%	203	89%	398	60%	436	73%	608	77%
258	86%	243	89%	203	89%	397	60%	435	73%	608	77%
258	86%	243	89%	202	90%	397	60%	434	73%	607	77%
257	86%	243	89%	202	90%	396	60%	431	73%	606	77%
257	86%	243	89%	202	90%	396	60%	431	73%	604	77%
256	86%	242	89%	201	90%	395	60%	429	73%	604	77%
256	87%	242	90%	201	90%	395	60%	427	73%	603	77%
256	87%	242	90%	201	90%	395	60%	425	73%	603	77%
256	87%	241	90%	201	90%	394	60%	419	73%	603	77%
255	87%	241	90%	200	90%	393	60%	416	73%	602	77%
255	87%	241	90%	200	90%	393	60%	416	73%	602	77%
255	87%	241	90%	200	91%	392	60%	411	73%	602	77%
254	87%	240	90%	200	91%	391	60%	405	73%	601	77%
254	87%	240	90%	199	91%	391	60%	401	73%	600	77%
254	87%	240	90%	199	91%	390	60%	397	73%	600	77%
254	87%	239	90%	199	91%	390	60%	392	73%	597	77%
253	87%	239	90%	198	91%	390	60%	390	73%	596	77%
253	87%	239	90%	198	91%	389	60%	387	73%	594	77%
253	87%	238	91%	198	92%	389	60%	384	73%	593	77%
253	87%	238	91%	198	92%	389	60%	381	73%	593	77%
252	87%	238	91%	197	92%	388	60%	376	74%	593	77%
252	87%	238	91%	197	92%	388	61%	376	74%	593	77%
251	87%	237	91%	197	92%	388	61%	373	74%	592	77%
251	87%	237	91%	196	92%	388	61%	369	74%	591	77%
251	87%	237	91%	196	92%	387	61%	368	74%	591	77%
251	88%	237	91%	196	92%	387	61%	367	74%	589	77%
250	88%	236	91%	196	92%	387	61%	355	74%	588	77%
250	88%	236	91%	195	92%	386	61%	355	74%	588	77%
250	88%	236	92%	195	92%	385	61%	350	74%	587	77%
250	88%	235	92%	195	93%	385	61%	349	74%	586	77%
249	88%	235	92%	195	93%	385	61%	346	74%	586	77%
249	88%	235	92%	194	93%	385	61%	346	74%	585	77%
249	88%	235	92%	194	93%	384	61%	345	74%	585	77%
248	88%	234	92%	194	93%	384	61%	345	74%	585	77%
248	88%	234	92%	193	93%	384	61%	344	74%	585	77%
248	88%	233	92%	193	93%	383	61%	342	74%	584	78%
248	88%	233	92%	193	93%	383	61%	339	74%	584	78%
247	88%	233	92%	193	93%	383	61%	338	74%	584	78%
247	88%	233	92%	192	93%	383	61%	336	74%	583	78%
246	88%	232	92%	192	93%	382	61%	334	74%	583	78%
246	88%	232	92%	192	94%	382	61%	333	74%	579	78%
246	88%	232	92%	191	94%	381	61%	332	74%	579	78%
246	88%	232	92%	191	94%	380	61%	332	74%	579	78%
245	88%	231	92%	191	94%	380	61%	331	74%	577	78%
245	89%	231	92%	191	94%	380	61%	330	74%	576	78%
245	89%	231	92%	190	94%	379	62%	330	74%	574	78%
245	89%	230	93%	190	94%	379	62%	329	74%	573	78%
244	89%	230	93%	190	94%	379	62%	329	74%	572	78%
244	89%	230	93%	189	94%	379	62%	329	74%	571	78%
244	89%	229	93%	189	94%	378	62%	329	74%	571	78%
243	89%	229	93%	189	95%	378	62%	328	74%	571	78%
243	89%	229	93%	188	95%	377	62%	328	74%	571	78%
243	89%	228	93%	188	95%	377	62%	328	74%	570	78%
242	89%	228	93%	188	95%	377	62%	327	74%	570	78%
242	89%	228	93%	187	95%	377	62%	326	74%	568	78%
241	89%	227	93%	187	95%	376	62%	326	74%	566	78%
241	89%	227	93%	187	95%	376	62%	326	74%	565	78%
241	89%	227	93%	187	95%	375	62%	325	74%	564	78%
241	89%	227	93%	186	95%	375	62%	325	75%	564	78%
240	89%	226	93%	186	96%	375	62%	324	75%	563	78%
240	89%	226	93%	186	96%	374	62%	324	75%	561	78%
240	89%	226	93%	185	96%	374	62%	324	75%	561	78%
240	90%	225	93%	185	96%	373	62%	323	75%	561	78%
239	90%	225	94%	185	96%	372	62%	322	75%	558	78%
239	90%	225	94%	184	96%	372	62%	322	75%	557	78%
239	90%	225	94%	184	96%	372	62%	322	75%	557	78%
238	90%	224	94%	184	96%	372	62%	321	75%	556	78%
238	90%	224	94%	183	96%	371	62%	321	75%	555	78%
238	90%	224	94%	183	96%	371	62%	321	75%	554	78%
238	90%	224	94%	183	96%	371	62%	320	75%	554	78%
237	90%	223	94%	183	96%	371	62%	319	75%	553	78%

Ellsworth Dam Tabular Flow Duration Data
 Source: Flow generated from Ellsworth hourly generation data
 Period of Record: August 2007 - December 2015

July		August		September		October		November		December	
Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance
237	90%	223	94%	182	97%	370	62%	318	75%	552	78%
237	90%	222	94%	182	97%	369	62%	317	75%	551	78%
237	90%	222	94%	182	97%	368	62%	317	75%	549	78%
236	90%	222	94%	182	97%	368	62%	316	75%	547	78%
236	90%	221	94%	181	97%	368	62%	316	75%	544	78%
236	90%	221	94%	181	97%	367	63%	315	75%	542	78%
235	90%	221	94%	181	97%	367	63%	314	75%	541	78%
235	90%	220	94%	180	97%	367	63%	314	75%	541	78%
235	90%	220	94%	180	97%	366	63%	314	75%	541	78%
235	90%	219	94%	180	97%	366	63%	313	75%	539	78%
234	90%	219	94%	180	97%	365	63%	313	75%	538	78%
234	91%	219	94%	179	97%	364	63%	312	75%	536	78%
233	91%	219	94%	179	97%	364	63%	312	75%	536	78%
233	91%	218	94%	179	98%	364	63%	312	75%	535	78%
233	91%	218	94%	179	98%	363	63%	311	75%	535	79%
233	91%	218	95%	178	98%	362	63%	310	75%	533	79%
232	91%	217	95%	178	98%	362	63%	310	75%	533	79%
232	91%	217	95%	177	98%	362	63%	310	75%	533	79%
232	91%	217	95%	177	98%	361	63%	309	75%	532	79%
232	91%	217	95%	177	98%	361	63%	309	75%	532	79%
231	91%	216	95%	176	98%	361	63%	309	75%	530	79%
231	91%	216	95%	176	98%	361	63%	308	75%	530	79%
231	91%	216	95%	176	98%	360	63%	308	75%	530	79%
230	91%	216	95%	175	98%	360	63%	307	75%	529	79%
230	91%	215	95%	175	98%	359	63%	307	75%	529	79%
230	91%	215	95%	175	98%	359	63%	305	75%	528	79%
230	91%	214	95%	174	98%	358	63%	305	75%	527	79%
229	91%	214	95%	174	98%	358	63%	304	76%	527	79%
229	91%	214	95%	174	98%	358	63%	303	76%	527	79%
229	91%	214	95%	174	98%	358	63%	303	76%	526	79%
229	92%	213	95%	173	98%	357	63%	303	76%	526	79%
228	92%	213	95%	172	98%	357	64%	302	76%	526	79%
228	92%	212	96%	172	98%	357	64%	302	76%	525	79%
227	92%	212	96%	172	98%	356	64%	301	76%	525	79%
227	92%	212	96%	172	98%	356	64%	301	76%	525	79%
227	92%	211	96%	171	98%	356	64%	301	76%	524	79%
227	92%	211	96%	171	98%	356	64%	300	76%	524	79%
226	92%	211	96%	171	99%	355	64%	300	76%	524	79%
226	92%	210	96%	171	99%	355	64%	300	76%	524	79%
226	92%	210	96%	170	99%	354	64%	300	76%	523	79%
225	92%	209	96%	170	99%	354	64%	299	76%	522	79%
225	92%	209	96%	169	99%	354	64%	299	76%	520	79%
225	92%	208	96%	169	99%	353	64%	298	76%	519	79%
224	92%	208	96%	169	99%	353	64%	298	76%	517	79%
224	92%	208	96%	168	99%	353	64%	298	76%	516	79%
224	92%	208	96%	168	99%	353	64%	298	76%	514	79%
224	92%	207	96%	168	99%	352	64%	297	76%	514	79%
222	92%	207	96%	167	99%	352	64%	297	76%	513	79%
222	92%	206	96%	167	99%	351	64%	296	76%	513	79%
222	92%	206	96%	167	99%	351	64%	296	76%	511	79%
222	92%	206	96%	166	99%	351	64%	295	76%	511	79%
221	92%	206	96%	166	99%	350	64%	295	76%	509	79%
221	92%	205	97%	166	99%	350	64%	294	76%	509	79%
221	92%	204	97%	165	99%	348	64%	294	76%	508	79%
221	92%	204	97%	165	99%	348	64%	294	76%	508	79%
220	93%	203	97%	164	99%	347	64%	293	76%	508	79%
220	93%	203	97%	164	99%	347	64%	293	77%	507	79%
219	93%	203	97%	163	99%	347	64%	293	77%	506	79%
219	93%	202	97%	162	99%	346	65%	292	77%	506	79%
219	93%	202	97%	161	99%	346	65%	292	77%	505	79%
219	93%	202	97%	161	99%	346	65%	292	77%	504	79%
218	93%	201	97%	160	99%	345	65%	291	77%	503	79%
218	93%	201	97%	159	99%	345	65%	291	77%	503	79%
218	93%	201	97%	159	99%	345	65%	291	77%	501	79%
217	93%	200	97%	159	99%	344	65%	291	77%	501	80%
217	93%	200	97%	159	99%	344	65%	290	77%	500	80%
217	93%	200	97%	158	99%	344	65%	290	77%	500	80%
217	93%	199	97%	158	99%	343	65%	290	77%	498	80%
216	93%	199	97%	158	99%	343	65%	290	77%	498	80%
216	93%	198	97%	158	100%	343	65%	289	77%	496	80%
216	94%	198	97%	157	100%	343	65%	289	77%	496	80%
215	94%	197	97%	156	100%	342	65%	288	77%	495	80%
215	94%	197	97%	155	100%	342	65%	288	77%	494	80%
215	94%	197	98%	153	100%	342	65%	288	77%	494	80%
214	94%	196	98%	152	100%	341	65%	287	77%	493	80%
214	94%	196	98%	152	100%	341	65%	287	78%	493	80%
214	94%	196	98%	150	100%	341	65%	287	78%	492	80%
214	94%	195	98%	149	100%	340	65%	286	78%	491	80%
213	94%	195	98%	148	100%	339	65%	286	78%	491	80%
213	94%	195	98%	146	100%	339	65%	286	78%	490	80%
213	94%	195	98%	145	100%	338	65%	285	78%	489	80%
212	94%	194	98%	144	100%	338	66%	285	78%	488	80%
212	94%	193	98%	140	100%	338	66%	285	78%	487	80%
212	94%	193	98%	140	100%	338	66%	285	78%	486	80%

Ellsworth Dam Tabular Flow Duration Data
 Source: Flow generated from Ellsworth hourly generation data
 Period of Record: August 2007 - December 2015

July		August		September		October		November		December	
Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance
211	94%	193	98%	140	100%	337	66%	284	78%	486	80%
211	95%	192	98%	139	100%	337	66%	284	78%	485	80%
211	95%	192	98%	139	100%	337	66%	283	78%	485	80%
211	95%	192	98%	139	100%	337	66%	283	78%	484	80%
210	95%	191	98%	135	100%	336	66%	283	78%	483	80%
210	95%	191	98%	132	100%	336	66%	283	78%	482	80%
210	95%	191	98%	130	100%	336	66%	282	78%	482	80%
209	95%	191	98%	121	100%	335	66%	282	78%	481	80%
209	95%	190	98%			335	66%	282	78%	481	80%
209	95%	189	98%			334	66%	281	78%	480	80%
208	95%	189	98%			334	66%	281	78%	480	80%
208	95%	188	98%			334	66%	281	79%	478	80%
208	95%	188	98%			333	66%	280	79%	476	80%
208	95%	187	98%			333	66%	280	79%	476	80%
207	95%	187	98%			333	66%	280	79%	474	80%
207	96%	186	98%			333	66%	279	79%	474	80%
207	96%	186	99%			332	67%	279	79%	473	80%
206	96%	184	99%			332	67%	279	79%	472	80%
206	96%	184	99%			332	67%	279	79%	470	80%
206	96%	183	99%			332	67%	278	79%	470	80%
206	96%	183	99%			331	67%	277	79%	470	80%
205	96%	183	99%			331	67%	276	79%	469	80%
205	96%	182	99%			331	67%	276	79%	469	80%
205	96%	182	99%			330	67%	275	79%	469	80%
204	96%	182	99%			330	67%	275	79%	468	80%
204	96%	181	99%			330	67%	275	79%	468	80%
204	96%	181	99%			329	67%	275	79%	468	80%
203	96%	180	99%			329	67%	274	79%	467	81%
203	96%	180	99%			329	67%	274	79%	467	81%
203	97%	180	99%			329	67%	274	79%	467	81%
203	97%	179	99%			328	67%	274	79%	463	81%
202	97%	179	99%			328	67%	273	80%	461	81%
202	97%	179	99%			328	67%	273	80%	460	81%
202	97%	178	99%			327	67%	272	80%	460	81%
201	97%	178	99%			327	67%	272	80%	459	81%
201	97%	177	99%			327	67%	272	80%	458	81%
201	97%	177	99%			327	67%	272	80%	458	81%
200	97%	176	99%			326	67%	271	80%	457	81%
200	97%	176	99%			326	67%	271	80%	456	81%
200	97%	176	99%			326	67%	271	80%	456	81%
200	97%	175	99%			325	67%	271	80%	455	81%
199	97%	175	99%			325	68%	270	80%	454	81%
199	97%	175	99%			325	68%	270	80%	454	81%
199	97%	174	99%			325	68%	269	80%	453	81%
198	97%	174	99%			324	68%	269	80%	451	81%
198	97%	174	100%			324	68%	269	80%	451	81%
198	97%	173	100%			324	68%	269	80%	451	81%
198	98%	173	100%			324	68%	268	80%	450	81%
197	98%	173	100%			323	68%	268	80%	450	81%
197	98%	172	100%			323	68%	268	80%	449	81%
197	98%	172	100%			323	68%	267	80%	448	81%
196	98%	172	100%			322	68%	267	80%	448	81%
196	98%	171	100%			322	68%	267	80%	447	81%
196	98%	169	100%			322	68%	266	81%	447	81%
196	98%	168	100%			322	68%	266	81%	446	81%
195	98%	167	100%			321	68%	266	81%	446	81%
195	98%	167	100%			321	68%	266	81%	445	81%
195	98%	167	100%			321	68%	265	81%	444	81%
195	98%	166	100%			320	68%	265	81%	443	81%
194	98%	166	100%			320	68%	265	81%	443	81%
194	98%	165	100%			320	68%	264	81%	443	81%
193	98%	165	100%			319	68%	264	81%	443	81%
193	98%	164	100%			319	68%	264	81%	442	81%
193	98%	164	100%			319	68%	264	81%	442	81%
192	98%	160	100%			319	69%	263	81%	441	81%
192	98%					318	69%	263	81%	441	81%
192	98%					317	69%	263	81%	441	81%
191	98%					317	69%	262	81%	440	81%
191	98%					317	69%	262	81%	440	81%
191	98%					317	69%	262	81%	440	81%
190	99%					316	69%	261	81%	439	81%
190	99%					316	69%	261	81%	438	82%
190	99%					316	69%	261	81%	437	82%
189	99%					316	69%	260	81%	437	82%
189	99%					315	69%	260	81%	436	82%
188	99%					315	69%	260	81%	436	82%
188	99%					315	69%	259	82%	436	82%
188	99%					314	69%	259	82%	435	82%
187	99%					314	69%	259	82%	435	82%
187	99%					313	69%	259	82%	435	82%
187	99%					313	69%	258	82%	435	82%
186	99%					313	70%	258	82%	434	82%
185	99%					312	70%	258	82%	434	82%
185	99%					312	70%	258	82%	433	82%

Ellsworth Dam Tabular Flow Duration Data
 Source: Flow generated from Ellsworth hourly generation data
 Period of Record: August 2007 - December 2015

July		August		September		October		November		December	
Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance
184	99%					312	70%	257	82%	433	82%
183	99%					312	70%	257	82%	432	82%
182	99%					311	70%	257	82%	432	82%
181	99%					311	70%	256	82%	431	82%
180	99%					311	70%	256	82%	431	82%
180	99%					310	70%	256	82%	430	82%
180	99%					310	70%	256	82%	430	82%
179	99%					310	70%	255	82%	430	82%
178	99%					309	70%	255	82%	429	82%
178	99%					309	70%	255	82%	429	82%
177	99%					309	70%	254	82%	429	82%
176	99%					308	70%	254	82%	428	82%
175	99%					308	70%	254	82%	428	82%
175	99%					308	70%	253	82%	428	82%
174	99%					308	70%	253	82%	427	82%
174	99%					307	70%	253	82%	427	82%
173	99%					307	70%	252	83%	425	82%
172	99%					306	70%	252	83%	425	82%
172	99%					306	70%	252	83%	425	82%
172	99%					306	70%	251	83%	423	82%
172	99%					306	71%	251	83%	423	82%
171	99%					305	71%	251	83%	422	82%
168	99%					305	71%	250	83%	422	82%
166	99%					305	71%	250	83%	421	82%
165	100%					304	71%	250	83%	421	82%
164	100%					304	71%	250	83%	421	82%
164	100%					304	71%	249	83%	421	82%
164	100%					303	71%	249	83%	419	82%
163	100%					303	71%	249	83%	418	82%
163	100%					303	71%	248	84%	418	82%
162	100%					303	71%	248	84%	418	82%
161	100%					302	71%	248	84%	417	83%
160	100%					302	71%	248	84%	416	83%
159	100%					301	71%	247	84%	416	83%
158	100%					301	71%	247	84%	415	83%
158	100%					301	71%	247	84%	414	83%
157	100%					300	71%	246	84%	412	83%
156	100%					300	71%	246	84%	411	83%
155	100%					300	71%	246	84%	410	83%
155	100%					299	71%	245	84%	409	83%
151	100%					299	71%	245	84%	409	83%
150	100%					299	71%	245	84%	409	83%
150	100%					298	71%	244	84%	409	83%
148	100%					298	72%	244	84%	408	83%
144	100%					298	72%	244	85%	408	83%
142	100%					297	72%	243	85%	408	83%
141	100%					297	72%	243	85%	407	83%
135	100%					297	72%	243	85%	407	83%
130	100%					296	72%	242	85%	406	83%
127	100%					296	72%	242	85%	406	83%
						296	72%	242	85%	405	83%
						295	72%	241	85%	405	83%
						295	72%	241	85%	405	83%
						295	72%	241	85%	404	83%
						295	72%	241	85%	404	83%
						294	72%	240	85%	403	83%
						294	72%	240	85%	403	83%
						294	72%	240	85%	402	83%
						294	72%	240	85%	402	83%
						293	72%	239	85%	401	83%
						292	72%	239	85%	401	83%
						292	72%	239	85%	400	83%
						292	72%	238	85%	400	83%
						291	72%	238	86%	399	83%
						291	72%	238	86%	396	83%
						291	72%	238	86%	396	83%
						291	73%	237	86%	395	83%
						290	73%	237	86%	394	83%
						290	73%	237	86%	394	83%
						290	73%	237	86%	393	83%
						289	73%	236	86%	392	83%
						289	73%	236	86%	392	83%
						289	73%	235	86%	391	83%
						288	73%	235	86%	391	83%
						288	73%	235	86%	390	83%
						287	73%	235	86%	390	83%
						287	73%	234	86%	390	83%
						287	73%	234	86%	389	83%
						287	73%	234	87%	389	83%
						286	73%	233	87%	388	83%
						286	73%	233	87%	388	83%
						286	73%	233	87%	387	84%
						285	73%	232	87%	387	84%
						285	73%	232	87%	387	84%
						285	73%	232	87%	386	84%

Ellsworth Dam Tabular Flow Duration Data
 Source: Flow generated from Ellsworth hourly generation data
 Period of Record: August 2007 - December 2015

July		August		September		October		November		December	
Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance
284	73%					284	73%	232	87%	386	84%
284	73%					284	73%	231	87%	386	84%
283	74%					283	74%	231	87%	385	84%
283	74%					283	74%	230	87%	385	84%
283	74%					283	74%	230	87%	384	84%
283	74%					283	74%	230	87%	384	84%
282	74%					282	74%	230	87%	383	84%
282	74%					282	74%	229	87%	383	84%
281	74%					281	74%	229	87%	382	84%
280	74%					280	74%	229	87%	380	84%
280	74%					280	74%	229	87%	380	84%
280	74%					280	74%	228	87%	379	84%
280	74%					280	74%	228	88%	377	84%
279	74%					279	74%	228	88%	377	84%
279	74%					279	74%	227	88%	377	84%
279	74%					279	74%	227	88%	373	84%
278	74%					278	74%	227	88%	372	84%
278	74%					278	74%	227	88%	372	84%
278	74%					278	74%	226	88%	372	84%
277	74%					277	74%	226	88%	371	84%
277	74%					277	74%	226	88%	371	84%
277	74%					277	74%	225	88%	371	84%
276	74%					276	74%	225	88%	370	84%
276	75%					276	75%	225	88%	370	84%
276	75%					276	75%	225	88%	370	84%
275	75%					275	75%	224	88%	369	84%
275	75%					275	75%	224	88%	369	84%
275	75%					275	75%	224	88%	369	84%
275	75%					275	75%	224	88%	369	84%
275	75%					275	75%	223	89%	368	84%
274	75%					274	75%	223	89%	368	84%
274	75%					274	75%	223	89%	367	84%
274	75%					274	75%	222	89%	367	84%
274	75%					274	75%	222	89%	367	84%
273	75%					273	75%	222	89%	366	85%
273	75%					273	75%	222	89%	366	85%
272	75%					272	75%	221	89%	366	85%
272	76%					272	76%	221	89%	366	85%
272	76%					272	76%	221	89%	365	85%
272	76%					272	76%	221	89%	365	85%
271	76%					271	76%	220	89%	365	85%
271	76%					271	76%	220	89%	364	85%
271	76%					271	76%	220	90%	364	85%
271	76%					271	76%	219	90%	364	85%
270	76%					270	76%	219	90%	363	85%
270	76%					270	76%	219	90%	363	85%
270	76%					270	76%	219	90%	362	85%
269	76%					269	76%	218	90%	362	85%
269	76%					269	76%	218	90%	361	85%
269	76%					269	76%	218	90%	361	85%
269	76%					269	76%	217	90%	360	85%
268	76%					268	76%	217	90%	360	85%
268	76%					268	76%	217	90%	360	85%
267	76%					267	76%	217	90%	359	85%
267	76%					267	76%	216	90%	358	85%
267	76%					267	76%	216	90%	358	85%
267	77%					267	77%	216	90%	358	85%
267	77%					267	77%	216	91%	358	85%
266	77%					266	77%	215	91%	357	85%
266	77%					266	77%	215	91%	357	85%
266	77%					266	77%	215	91%	356	85%
266	77%					266	77%	214	91%	356	85%
265	77%					265	77%	214	91%	356	85%
265	77%					265	77%	213	91%	355	85%
265	77%					265	77%	213	91%	354	85%
264	77%					264	77%	213	91%	353	85%
264	77%					264	77%	212	91%	353	85%
264	77%					264	77%	212	91%	353	85%
264	77%					264	77%	212	91%	351	85%
263	77%					263	77%	212	91%	351	85%
263	77%					263	77%	211	92%	349	85%
263	78%					263	78%	211	92%	349	85%
262	78%					262	78%	211	92%	348	85%
262	78%					262	78%	211	92%	347	85%
262	78%					262	78%	210	92%	347	86%
262	78%					262	78%	210	92%	346	86%
261	78%					261	78%	210	92%	346	86%
261	78%					261	78%	209	92%	345	86%
261	78%					261	78%	209	92%	345	86%
260	78%					260	78%	209	92%	344	86%
260	78%					260	78%	209	93%	344	86%
260	78%					260	78%	208	93%	343	86%
259	78%					259	78%	208	93%	343	86%
259	78%					259	78%	208	93%	342	86%

Ellsworth Dam Tabular Flow Duration Data
 Source: Flow generated from Ellsworth hourly generation data
 Period of Record: August 2007 - December 2015

July		August		September		October		November		December	
Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance
258	78%					258	78%	207	93%	341	86%
258	78%					258	78%	207	93%	341	86%
258	78%					258	78%	207	93%	338	86%
258	79%					258	79%	206	93%	338	86%
257	79%					257	79%	206	93%	338	86%
257	79%					257	79%	206	93%	337	86%
257	79%					257	79%	206	93%	337	86%
256	79%					256	79%	205	93%	336	86%
256	79%					256	79%	205	94%	336	86%
256	79%					256	79%	204	94%	336	86%
256	79%					256	79%	204	94%	335	86%
255	79%					255	79%	204	94%	335	86%
255	79%					255	79%	203	94%	334	86%
255	79%					255	79%	203	94%	333	86%
254	79%					254	79%	203	94%	333	86%
254	79%					254	79%	203	94%	332	86%
254	79%					254	79%	202	94%	332	86%
254	79%					254	79%	202	94%	332	86%
253	79%					253	79%	202	94%	331	86%
253	80%					253	80%	201	94%	331	86%
253	80%					253	80%	201	94%	331	86%
253	80%					253	80%	201	94%	330	86%
252	80%					252	80%	200	94%	330	86%
252	80%					252	80%	200	94%	330	86%
252	80%					252	80%	200	95%	329	86%
251	80%					251	80%	200	95%	329	86%
251	80%					251	80%	199	95%	328	86%
251	80%					251	80%	199	95%	328	86%
251	80%					251	80%	198	95%	327	87%
250	80%					250	80%	198	95%	327	87%
250	80%					250	80%	198	95%	327	87%
250	81%					250	81%	198	95%	326	87%
250	81%					250	81%	197	95%	325	87%
249	81%					249	81%	197	95%	325	87%
249	81%					249	81%	197	95%	325	87%
249	81%					249	81%	196	95%	324	87%
248	81%					248	81%	196	95%	324	87%
248	81%					248	81%	196	95%	323	87%
248	81%					248	81%	196	95%	323	87%
248	81%					248	81%	195	95%	322	87%
247	81%					247	81%	195	95%	322	87%
247	81%					247	81%	195	96%	320	87%
247	81%					247	81%	194	96%	319	87%
246	81%					246	81%	194	96%	319	87%
246	82%					246	82%	194	96%	318	87%
246	82%					246	82%	193	96%	318	87%
246	82%					246	82%	193	96%	318	87%
245	82%					245	82%	193	96%	317	87%
245	82%					245	82%	193	96%	317	87%
245	82%					245	82%	192	96%	317	87%
245	82%					245	82%	192	96%	316	87%
244	82%					244	82%	192	96%	316	87%
244	82%					244	82%	191	96%	315	87%
244	82%					244	82%	191	97%	314	87%
243	82%					243	82%	191	97%	314	87%
243	83%					243	83%	191	97%	314	87%
243	83%					243	83%	190	97%	313	87%
243	83%					243	83%	190	97%	313	87%
242	83%					242	83%	190	97%	313	87%
242	83%					242	83%	190	97%	312	87%
242	83%					242	83%	189	97%	312	87%
241	83%					241	83%	189	97%	312	87%
241	83%					241	83%	189	97%	311	88%
241	83%					241	83%	188	97%	311	88%
240	83%					240	83%	188	97%	311	88%
240	84%					240	84%	188	97%	311	88%
240	84%					240	84%	187	97%	310	88%
240	84%					240	84%	187	97%	309	88%
239	84%					239	84%	187	97%	309	88%
239	84%					239	84%	187	97%	308	88%
239	84%					239	84%	186	97%	307	88%
238	84%					238	84%	186	97%	307	88%
238	84%					238	84%	185	97%	307	88%
238	84%					238	84%	185	97%	306	88%
238	84%					238	84%	185	97%	306	88%
237	84%					237	84%	184	97%	306	88%
237	85%					237	85%	184	97%	305	88%
237	85%					237	85%	183	97%	305	88%
237	85%					237	85%	183	97%	304	88%
236	85%					236	85%	182	97%	304	88%
236	85%					236	85%	182	97%	304	88%
236	85%					236	85%	182	97%	303	88%
235	85%					235	85%	182	98%	303	88%
235	85%					235	85%	181	98%	302	88%

Ellsworth Dam Tabular Flow Duration Data
 Source: Flow generated from Ellsworth hourly generation data
 Period of Record: August 2007 - December 2015

July		August		September		October		November		December	
Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance
						235	85%	181	98%	301	88%
						235	85%	181	98%	301	88%
						234	86%	180	98%	301	88%
						234	86%	180	98%	301	88%
						234	86%	180	98%	300	88%
						233	86%	179	98%	300	88%
						233	86%	179	98%	300	88%
						233	86%	179	98%	299	88%
						233	86%	179	98%	299	88%
						232	86%	178	98%	298	88%
						232	86%	178	98%	298	88%
						232	86%	177	98%	298	88%
						232	86%	176	98%	297	88%
						231	86%	176	98%	297	88%
						231	86%	175	98%	296	88%
						231	86%	174	98%	296	88%
						230	86%	174	98%	296	89%
						230	87%	173	98%	295	89%
						230	87%	173	98%	295	89%
						229	87%	173	98%	295	89%
						229	87%	172	98%	294	89%
						229	87%	172	98%	294	89%
						229	87%	172	99%	293	89%
						228	87%	171	99%	292	89%
						228	87%	171	99%	292	89%
						227	87%	171	99%	291	89%
						227	87%	170	99%	291	89%
						227	87%	169	99%	290	89%
						226	87%	169	99%	290	89%
						225	87%	168	99%	289	89%
						225	87%	167	99%	288	89%
						225	87%	167	99%	288	89%
						225	88%	166	99%	288	89%
						224	88%	166	99%	287	89%
						224	88%	166	99%	287	89%
						224	88%	165	99%	286	89%
						223	88%	165	99%	286	89%
						223	88%	164	99%	286	89%
						223	88%	164	99%	285	89%
						222	88%	163	99%	285	89%
						222	88%	162	99%	284	89%
						222	88%	162	99%	284	89%
						222	88%	162	99%	283	89%
						221	88%	161	100%	283	89%
						221	88%	161	100%	282	89%
						221	88%	160	100%	282	89%
						220	89%	160	100%	282	90%
						220	89%	159	100%	281	90%
						220	89%	158	100%	281	90%
						219	89%	158	100%	281	90%
						219	89%	156	100%	280	90%
						219	89%	155	100%	280	90%
						219	89%	153	100%	280	90%
						218	89%	151	100%	279	90%
						218	89%	150	100%	279	90%
						218	89%	149	100%	279	90%
						217	89%	149	100%	279	90%
						217	90%	148	100%	278	90%
						217	90%	147	100%	278	90%
						217	90%	145	100%	277	90%
						216	90%	144	100%	277	90%
						216	90%	144	100%	277	90%
						216	90%	143	100%	277	90%
						216	90%	141	100%	276	90%
						215	90%	141	100%	276	90%
						215	90%	140	100%	276	90%
						215	91%	137	100%	275	90%
						214	91%	130	100%	275	90%
						214	91%			275	90%
						214	91%			275	90%
						214	91%			274	90%
						213	91%			274	91%
						213	91%			274	91%
						213	91%			273	91%
						212	91%			273	91%
						212	92%			272	91%
						212	92%			272	91%
						212	92%			272	91%
						211	92%			272	91%
						211	92%			271	91%
						211	92%			271	91%
						211	92%			271	91%
						210	92%			271	91%
						210	92%			270	91%

Ellsworth Dam Tabular Flow Duration Data
 Source: Flow generated from Ellsworth hourly generation data
 Period of Record: August 2007 - December 2015

July		August		September		October		November		December	
Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance
						210	92%			270	91%
						209	92%			269	91%
						209	93%			269	91%
						209	93%			269	91%
						209	93%			269	91%
						208	93%			268	91%
						208	93%			268	91%
						208	93%			267	91%
						208	93%			267	91%
						207	93%			267	91%
						207	93%			267	91%
						206	93%			266	91%
						206	93%			266	91%
						206	93%			266	91%
						206	94%			265	91%
						205	94%			265	92%
						205	94%			265	92%
						205	94%			264	92%
						204	94%			264	92%
						204	94%			264	92%
						204	94%			263	92%
						204	94%			263	92%
						203	94%			263	92%
						203	94%			262	92%
						203	94%			262	92%
						202	94%			262	92%
						202	95%			261	92%
						202	95%			261	92%
						201	95%			261	92%
						201	95%			260	92%
						201	95%			260	92%
						201	95%			260	92%
						200	95%			259	92%
						200	95%			259	92%
						200	95%			258	92%
						200	95%			258	92%
						199	95%			258	92%
						199	95%			257	92%
						199	96%			257	92%
						198	96%			256	92%
						198	96%			256	92%
						198	96%			256	92%
						198	96%			255	92%
						197	96%			255	92%
						197	96%			255	92%
						197	96%			254	92%
						196	96%			254	92%
						196	97%			254	93%
						196	97%			253	93%
						196	97%			252	93%
						195	97%			252	93%
						195	97%			251	93%
						195	97%			251	93%
						195	97%			250	93%
						194	97%			250	93%
						194	97%			250	93%
						194	98%			249	93%
						193	98%			249	93%
						193	98%			248	93%
						193	98%			248	93%
						193	98%			247	93%
						192	98%			247	93%
						192	98%			246	93%
						192	98%			246	93%
						191	98%			246	93%
						191	98%			246	93%
						191	98%			245	93%
						191	98%			245	93%
						190	98%			244	93%
						190	98%			244	93%
						190	98%			244	93%
						190	99%			243	93%
						189	99%			243	93%
						189	99%			243	93%
						188	99%			242	93%
						188	99%			242	94%
						188	99%			242	94%
						188	99%			241	94%
						187	99%			241	94%
						187	99%			241	94%
						187	99%			240	94%
						187	99%			240	94%
						186	99%			240	94%

Ellsworth Dam Tabular Flow Duration Data
 Source: Flow generated from Ellsworth hourly generation data
 Period of Record: August 2007 - December 2015

July		August		September		October		November		December	
Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance
										213	97%
										213	97%
										213	97%
										212	97%
										212	97%
										212	97%
										212	97%
										211	97%
										211	97%
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										210	97%
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										185	99%
										184	99%
										184	99%
										184	100%
										183	100%
										183	100%
										182	100%
										182	100%
										182	100%

Ellsworth Dam Tabular Flow Duration Data
 Source: Flow generated from Ellsworth hourly generation data
 Period of Record: August 2007 - December 2015

July		August		September		October		November		December	
Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance	Flow (cfs)	% Exceedance
										182	100%
										181	100%
										181	100%
										180	100%
										180	100%
										180	100%
										180	100%
										179	100%
										178	100%
										178	100%
										177	100%
										176	100%
										175	100%
										174	100%
										173	100%
										171	100%
										169	100%
										169	100%
										169	100%
										167	100%
										164	100%
										163	100%
										159	100%

Ellsworth Dam Monthly Flow Statistics
Period of Record: August 2007 - December 2015

Month	Minimum (cfs)	Average (cfs)	Maximum (cfs)
January	94	1,252	2,501
February	106	1,287	2,522
March	115	1,044	2,530
April	173	1,618	2,558
May	161	1,104	2,511
June	202	953	2,575
July	127	732	2,572
August	160	591	2,501
September	121	728	2,583
October	119	896	2,569
November	130	1,195	2,537
December	159	1,435	2,555

ATTACHMENT 6
DAILY IMPOUNDMENT LEVELS FOR
GRAHAM LAKE AND LAKE LEONARD

Ellsworth and Graham Lake Water Levels
2014-2015

Date	Lake Leonard (ft. USGS)
1/1/2014	66.68
1/2/2014	66.68
1/3/2014	66.85
1/4/2014	66.70
1/5/2014	66.70
1/6/2014	66.70
1/7/2014	66.73
1/8/2014	66.69
1/9/2014	66.70
1/10/2014	66.69
1/11/2014	66.70
1/12/2014	66.79
1/13/2014	66.70
1/14/2014	66.70
1/15/2014	66.71
1/16/2014	66.70
1/17/2014	66.71
1/18/2014	66.70
1/19/2014	66.70
1/20/2014	66.70
1/21/2014	66.69
1/22/2014	66.77
1/23/2014	66.70
1/24/2014	66.70
1/25/2014	66.77
1/26/2014	66.70
1/27/2014	66.71
1/28/2014	66.79
1/29/2014	66.81
1/30/2014	66.75
1/31/2014	66.74
2/1/2014	66.83
2/2/2014	66.87
2/3/2014	66.84
2/4/2014	66.88
2/5/2014	66.82
2/6/2014	66.94
2/7/2014	66.67
2/8/2014	66.70
2/9/2014	66.70
2/10/2014	66.70
2/11/2014	66.69
2/12/2014	66.70
2/13/2014	66.71
2/14/2014	66.70
2/15/2014	66.70
2/16/2014	66.70
2/17/2014	66.70
2/18/2014	66.70
2/19/2014	66.70
2/20/2014	66.70
2/21/2014	66.70
2/22/2014	66.70
2/23/2014	66.70
2/24/2014	66.70
2/25/2014	66.70
2/26/2014	66.70
2/27/2014	66.69
2/28/2014	66.70
3/1/2014	66.70
3/2/2014	66.70
3/3/2014	66.70
3/4/2014	66.69
3/5/2014	66.70
3/6/2014	66.70
3/7/2014	66.70
3/8/2014	66.70
3/9/2014	66.70
3/10/2014	66.70
3/11/2014	66.70
3/12/2014	66.70
3/13/2014	66.70
3/14/2014	66.70
3/15/2014	66.69
3/16/2014	66.70
3/17/2014	66.70
3/18/2014	66.69
3/19/2014	66.70
3/20/2014	66.70
3/21/2014	66.70
3/22/2014	66.69
3/23/2014	66.70
3/24/2014	66.71
3/25/2014	66.70
3/26/2014	66.70
3/27/2014	66.70
3/28/2014	66.67
3/29/2014	66.67
3/30/2014	66.70
3/31/2014	66.69

Ellsworth and Graham Lake Water Levels
2014-2015

Date	Lake Leonard (ft. USGS)
4/1/2014	66.70
4/2/2014	66.70
4/3/2014	66.70
4/4/2014	66.70
4/5/2014	66.70
4/6/2014	66.70
4/7/2014	66.70
4/8/2014	66.72
4/9/2014	66.69
4/10/2014	66.70
4/11/2014	66.70
4/12/2014	66.75
4/13/2014	66.79
4/14/2014	66.82
4/15/2014	67.19
4/16/2014	66.95
4/17/2014	67.37
4/18/2014	67.34
4/19/2014	67.08
4/20/2014	67.04
4/21/2014	66.80
4/22/2014	66.64
4/23/2014	66.70
4/24/2014	66.79
4/25/2014	66.72
4/26/2014	66.70
4/27/2014	66.70
4/28/2014	66.70
4/29/2014	66.70
4/30/2014	66.70
5/1/2014	66.70
5/2/2014	66.72
5/3/2014	66.70
5/4/2014	66.70
5/5/2014	66.69
5/6/2014	66.69
5/7/2014	66.70
5/8/2014	66.70
5/9/2014	66.70
5/10/2014	66.70
5/11/2014	66.70
5/12/2014	66.70
5/13/2014	66.70
5/14/2014	66.70
5/15/2014	66.70
5/16/2014	66.70
5/17/2014	66.70
5/18/2014	66.70
5/19/2014	66.70
5/20/2014	66.71
5/21/2014	66.70
5/22/2014	66.70
5/23/2014	66.70
5/24/2014	66.70
5/25/2014	66.70
5/26/2014	66.70
5/27/2014	66.70
5/28/2014	66.70
5/29/2014	66.70
5/30/2014	66.70
5/31/2014	66.70
6/1/2014	66.70
6/2/2014	66.70
6/3/2014	66.70
6/4/2014	66.70
6/5/2014	66.70
6/6/2014	66.70
6/7/2014	66.70
6/8/2014	66.70
6/9/2014	66.70
6/10/2014	66.70
6/11/2014	66.70
6/12/2014	66.70
6/13/2014	66.70
6/14/2014	66.70
6/15/2014	66.70
6/16/2014	66.70
6/17/2014	66.70
6/18/2014	66.70
6/19/2014	66.76
6/20/2014	66.70
6/21/2014	66.70
6/22/2014	66.70
6/23/2014	66.70
6/24/2014	66.70
6/25/2014	66.68
6/26/2014	66.70
6/27/2014	66.69
6/28/2014	66.70
6/29/2014	66.70
6/30/2014	66.70
7/1/2014	66.70

Ellsworth and Graham Lake Water Levels
2014-2015

Date	Lake Leonard (ft. USGS)
7/2/2014	66.70
7/3/2014	66.70
7/4/2014	66.73
7/5/2014	66.70
7/6/2014	66.78
7/7/2014	66.70
7/8/2014	66.70
7/9/2014	66.70
7/10/2014	66.70
7/11/2014	66.57
7/12/2014	66.70
7/13/2014	66.70
7/14/2014	66.74
7/15/2014	66.85
7/16/2014	66.70
7/17/2014	66.70
7/18/2014	66.70
7/19/2014	66.70
7/20/2014	66.70
7/21/2014	66.70
7/22/2014	66.70
7/23/2014	66.70
7/24/2014	66.70
7/25/2014	66.70
7/26/2014	66.70
7/27/2014	66.70
7/28/2014	66.70
7/29/2014	66.70
7/30/2014	66.70
7/31/2014	66.70
8/1/2014	66.70
8/2/2014	66.70
8/3/2014	66.70
8/4/2014	66.70
8/5/2014	66.70
8/6/2014	66.70
8/7/2014	66.70
8/8/2014	66.70
8/9/2014	66.70
8/10/2014	66.70
8/11/2014	66.70
8/12/2014	66.70
8/13/2014	66.70
8/14/2014	66.70
8/15/2014	66.70
8/16/2014	66.70
8/17/2014	66.70
8/18/2014	66.70
8/19/2014	66.66
8/20/2014	66.69
8/21/2014	66.68
8/22/2014	66.70
8/23/2014	66.70
8/24/2014	66.70
8/25/2014	66.70
8/26/2014	66.71
8/27/2014	66.70
8/28/2014	66.70
8/29/2014	66.70
8/30/2014	66.69
8/31/2014	66.71
9/1/2014	66.69
9/2/2014	66.70
9/3/2014	66.70
9/4/2014	66.70
9/5/2014	66.70
9/6/2014	66.70
9/7/2014	66.70
9/8/2014	66.70
9/9/2014	66.71
9/10/2014	66.72
9/11/2014	66.65
9/12/2014	66.67
9/13/2014	66.70
9/14/2014	66.70
9/15/2014	66.70
9/16/2014	66.70
9/17/2014	66.70
9/18/2014	66.70
9/19/2014	66.70
9/20/2014	66.59
9/21/2014	66.70
9/22/2014	66.70
9/23/2014	66.69
9/24/2014	66.70
9/25/2014	66.70
9/26/2014	66.70
9/27/2014	66.70
9/28/2014	66.70
9/29/2014	66.70
9/30/2014	66.70
10/1/2014	66.70

Ellsworth and Graham Lake Water Levels
2014-2015

Date	Lake Leonard (ft. USGS)
10/2/2014	66.70
10/3/2014	66.70
10/4/2014	66.70
10/5/2014	66.70
10/6/2014	66.70
10/7/2014	66.70
10/8/2014	66.70
10/9/2014	66.70
10/10/2014	66.70
10/11/2014	66.70
10/12/2014	66.70
10/13/2014	66.70
10/14/2014	66.70
10/15/2014	66.70
10/16/2014	66.70
10/17/2014	66.70
10/18/2014	66.70
10/19/2014	66.70
10/20/2014	66.70
10/21/2014	66.70
10/22/2014	66.70
10/23/2014	66.70
10/24/2014	66.76
10/25/2014	66.70
10/26/2014	66.70
10/27/2014	66.70
10/28/2014	66.70
10/29/2014	66.70
10/30/2014	66.70
10/31/2014	66.70
11/1/2014	66.70
11/2/2014	66.71
11/3/2014	66.68
11/4/2014	66.70
11/5/2014	66.69
11/6/2014	66.70
11/7/2014	66.71
11/8/2014	66.70
11/9/2014	66.70
11/10/2014	66.70
11/11/2014	66.70
11/12/2014	66.70
11/13/2014	66.70
11/14/2014	66.70
11/15/2014	66.70
11/16/2014	66.70
11/17/2014	66.70
11/18/2014	66.70
11/19/2014	66.79
11/20/2014	66.70
11/21/2014	66.70
11/22/2014	66.70
11/23/2014	66.70
11/24/2014	66.70
11/25/2014	66.69
11/26/2014	66.70
11/27/2014	66.69
11/28/2014	66.70
11/29/2014	66.70
11/30/2014	66.70
12/1/2014	66.70
12/2/2014	66.71
12/3/2014	66.70
12/4/2014	66.79
12/5/2014	66.70
12/6/2014	66.70
12/7/2014	66.70
12/8/2014	66.70
12/9/2014	66.78
12/10/2014	66.75
12/11/2014	67.34
12/12/2014	66.73
12/13/2014	66.73
12/14/2014	66.71
12/15/2014	66.69
12/16/2014	66.72
12/17/2014	66.67
12/18/2014	66.67
12/19/2014	66.73
12/20/2014	66.70
12/21/2014	66.70
12/22/2014	66.70
12/23/2014	66.70
12/24/2014	66.72
12/25/2014	66.83
12/26/2014	66.88
12/27/2014	66.62
12/28/2014	66.24
12/29/2014	66.06
12/30/2014	66.00
12/31/2014	66.14
1/1/2015	65.92

Ellsworth and Graham Lake Water Levels
2014-2015

Date	Lake Leonard (ft. USGS)
1/2/2015	65.85
1/3/2015	66.73
1/4/2015	66.70
1/5/2015	66.66
1/6/2015	66.65
1/7/2015	66.72
1/8/2015	66.33
1/9/2015	66.39
1/10/2015	66.40
1/11/2015	66.66
1/12/2015	66.36
1/13/2015	66.22
1/14/2015	66.58
1/15/2015	66.33
1/16/2015	66.18
1/17/2015	66.64
1/18/2015	66.63
1/19/2015	66.73
1/20/2015	66.65
1/21/2015	66.61
1/22/2015	66.71
1/23/2015	66.70
1/24/2015	66.70
1/25/2015	66.70
1/26/2015	66.70
1/27/2015	66.70
1/28/2015	66.71
1/29/2015	66.70
1/30/2015	66.70
1/31/2015	66.62
2/1/2015	66.71
2/2/2015	66.70
2/3/2015	66.69
2/4/2015	66.70
2/5/2015	66.70
2/6/2015	66.70
2/7/2015	66.70
2/8/2015	66.70
2/9/2015	66.70
2/10/2015	66.70
2/11/2015	66.70
2/12/2015	66.70
2/13/2015	66.70
2/14/2015	66.70
2/15/2015	66.70
2/16/2015	66.69
2/17/2015	66.70
2/18/2015	66.70
2/19/2015	66.70
2/20/2015	66.70
2/21/2015	66.70
2/22/2015	66.70
2/23/2015	66.70
2/24/2015	66.70
2/25/2015	66.70
2/26/2015	66.71
2/27/2015	66.70
2/28/2015	66.70
3/1/2015	66.70
3/2/2015	66.70
3/3/2015	66.70
3/4/2015	66.70
3/5/2015	66.70
3/6/2015	66.70
3/7/2015	66.67
3/8/2015	66.70
3/9/2015	66.70
3/10/2015	66.70
3/11/2015	66.70
3/12/2015	66.70
3/13/2015	66.70
3/14/2015	66.70
3/15/2015	66.70
3/16/2015	66.70
3/17/2015	66.70
3/18/2015	66.70
3/19/2015	66.70
3/20/2015	66.70
3/21/2015	66.70
3/22/2015	66.70
3/23/2015	66.72
3/24/2015	66.70
3/25/2015	66.70
3/26/2015	66.70
3/27/2015	66.70
3/28/2015	66.70
3/29/2015	66.70
3/30/2015	66.70
3/31/2015	66.70
4/1/2015	66.27
4/2/2015	62.03
4/3/2015	66.70

Ellsworth and Graham Lake Water Levels
2014-2015

Date	Lake Leonard (ft. USGS)
4/4/2015	66.70
4/5/2015	66.70
4/6/2015	66.70
4/7/2015	66.70
4/8/2015	66.70
4/9/2015	66.63
4/10/2015	66.76
4/11/2015	66.74
4/12/2015	66.72
4/13/2015	66.79
4/14/2015	66.72
4/15/2015	66.69
4/16/2015	66.70
4/17/2015	66.70
4/18/2015	66.74
4/19/2015	66.69
4/20/2015	66.70
4/21/2015	66.69
4/22/2015	66.68
4/23/2015	66.56
4/24/2015	66.54
4/25/2015	66.77
4/26/2015	67.50
4/27/2015	67.15
4/28/2015	66.77
4/29/2015	66.63
4/30/2015	66.69
5/1/2015	66.69
5/2/2015	66.68
5/3/2015	66.71
5/4/2015	66.70
5/5/2015	66.70
5/6/2015	66.69
5/7/2015	66.69
5/8/2015	66.77
5/9/2015	66.70
5/10/2015	66.68
5/11/2015	66.61
5/12/2015	66.70
5/13/2015	66.51
5/14/2015	66.68
5/15/2015	66.64
5/16/2015	66.72
5/17/2015	66.72
5/18/2015	66.72
5/19/2015	66.68
5/20/2015	66.73
5/21/2015	66.79
5/22/2015	66.62
5/23/2015	66.70
5/24/2015	66.75
5/25/2015	66.72
5/26/2015	66.68
5/27/2015	66.69
5/28/2015	66.70
5/29/2015	66.73
5/30/2015	66.62
5/31/2015	66.72
6/1/2015	66.71
6/2/2015	66.64
6/3/2015	66.66
6/4/2015	66.71
6/5/2015	66.72
6/6/2015	66.46
6/7/2015	66.68
6/8/2015	66.67
6/9/2015	66.62
6/10/2015	66.62
6/11/2015	66.63
6/12/2015	66.67
6/13/2015	66.61
6/14/2015	66.68
6/15/2015	66.72
6/16/2015	66.70
6/17/2015	66.72
6/18/2015	66.69
6/19/2015	66.65
6/20/2015	66.73
6/21/2015	66.66
6/22/2015	66.76
6/23/2015	66.63
6/24/2015	66.73
6/25/2015	66.62
6/26/2015	66.74
6/27/2015	66.65
6/28/2015	66.66
6/29/2015	66.73
6/30/2015	66.65
7/1/2015	66.61
7/2/2015	66.61
7/3/2015	66.70
7/4/2015	66.48

Ellsworth and Graham Lake Water Levels
2014-2015

Date	Lake Leonard (ft. USGS)
7/5/2015	66.65
7/6/2015	66.54
7/7/2015	66.84
7/8/2015	66.71
7/9/2015	66.59
7/10/2015	66.52
7/11/2015	66.79
7/12/2015	66.78
7/13/2015	66.77
7/14/2015	66.69
7/15/2015	66.60
7/16/2015	66.68
7/17/2015	66.58
7/18/2015	66.68
7/19/2015	66.66
7/20/2015	66.74
7/21/2015	66.65
7/22/2015	66.74
7/23/2015	66.58
7/24/2015	66.55
7/25/2015	66.59
7/26/2015	66.52
7/27/2015	66.69
7/28/2015	66.53
7/29/2015	66.66
7/30/2015	66.68
7/31/2015	66.69
8/1/2015	66.57
8/2/2015	66.76
8/3/2015	66.59
8/4/2015	66.56
8/5/2015	66.64
8/6/2015	66.61
8/7/2015	66.66
8/8/2015	66.67
8/9/2015	66.62
8/10/2015	66.67
8/11/2015	66.72
8/12/2015	66.71
8/13/2015	66.53
8/14/2015	66.62
8/15/2015	66.70
8/16/2015	66.70
8/17/2015	66.69
8/18/2015	65.13
8/19/2015	66.62
8/20/2015	66.70
8/21/2015	66.70
8/22/2015	66.69
8/23/2015	66.63
8/24/2015	66.67
8/25/2015	66.68
8/26/2015	66.69
8/27/2015	66.44
8/28/2015	66.69
8/29/2015	66.70
8/30/2015	66.70
8/31/2015	66.70
9/1/2015	66.70
9/2/2015	66.70
9/3/2015	66.66
9/4/2015	66.70
9/5/2015	66.70
9/6/2015	66.70
9/7/2015	66.70
9/8/2015	66.70
9/9/2015	66.70
9/10/2015	66.70
9/11/2015	66.70
9/12/2015	66.70
9/13/2015	66.70
9/14/2015	66.70
9/15/2015	66.70
9/16/2015	66.70
9/17/2015	66.70
9/18/2015	66.70
9/19/2015	66.70
9/20/2015	66.70
9/21/2015	66.70
9/22/2015	66.70
9/23/2015	66.70
9/24/2015	66.70
9/25/2015	66.70
9/26/2015	66.70
9/27/2015	66.54
9/28/2015	66.70
9/29/2015	66.70
9/30/2015	66.70
10/1/2015	66.70
10/2/2015	66.52
10/3/2015	66.56
10/4/2015	66.42

Ellsworth and Graham Lake Water Levels
2014-2015

Date	Lake Leonard (ft. USGS)
10/5/2015	66.54
10/6/2015	66.39
10/7/2015	66.70
10/8/2015	66.70
10/9/2015	66.75
10/10/2015	66.74
10/11/2015	66.65
10/12/2015	66.71
10/13/2015	66.70
10/14/2015	66.69
10/15/2015	66.71
10/16/2015	66.70
10/17/2015	66.70
10/18/2015	66.69
10/19/2015	66.70
10/20/2015	66.70
10/21/2015	66.70
10/22/2015	66.70
10/23/2015	66.71
10/24/2015	66.71
10/25/2015	66.70
10/26/2015	66.70
10/27/2015	66.69
10/28/2015	66.70
10/29/2015	66.68
10/30/2015	66.99
10/31/2015	66.72
11/1/2015	66.69
11/2/2015	66.72
11/3/2015	66.70
11/4/2015	66.70
11/5/2015	66.69
11/6/2015	66.71
11/7/2015	66.68
11/8/2015	66.68
11/9/2015	66.72
11/10/2015	66.72
11/11/2015	66.68
11/12/2015	66.71
11/13/2015	66.70
11/14/2015	66.68
11/15/2015	66.70
11/16/2015	66.70
11/17/2015	66.69
11/18/2015	66.70
11/19/2015	66.68
11/20/2015	66.69
11/21/2015	66.69
11/22/2015	66.70
11/23/2015	66.72
11/24/2015	66.70
11/25/2015	66.69
11/26/2015	66.70
11/27/2015	66.70
11/28/2015	66.48
11/29/2015	66.66
11/30/2015	66.84
12/1/2015	66.68
12/2/2015	66.70
12/3/2015	66.71
12/4/2015	66.68
12/5/2015	66.66
12/6/2015	66.69
12/7/2015	66.70
12/8/2015	66.70
12/9/2015	66.72
12/10/2015	66.67
12/11/2015	66.69
12/12/2015	66.69
12/13/2015	66.71
12/14/2015	66.69
12/15/2015	66.71
12/16/2015	66.69
12/17/2015	66.72
12/18/2015	66.70
12/19/2015	66.70
12/20/2015	66.68
12/21/2015	66.70
12/22/2015	66.71
12/23/2015	66.66
12/24/2015	66.68
12/25/2015	66.71
12/26/2015	66.68
12/27/2015	66.69
12/28/2015	66.71
12/29/2015	66.70
12/30/2015	66.70
12/31/2015	66.70

ATTACHMENT 7
DAILY GENERATION RECORDS FOR ELLSWORTH

Ellsworth Dam Historical Daily Generation
 Period of Record: 2007 - 2015

Ellsworth Dam 2008 Daily Generation (MW)												
Day	January	February	March	April	May	June	July	August	September	October	November	December
1	41.5	28.6	213.3	205.4	212.2	28.3	28.9	15.2	12.6	193.8	12.8	206.8
2		40.0	212.2	212.3	210.3		28.7	14.9	17.1	180.3	21.8	206.2
3		34.9		208.4	210.3		28.0	21.5	18.3	188.3		205.0
4		30.4		196.5	208.1		28.1	61.8	13.9	206.0		205.1
5		112.4		215.5	206.5		27.6	81.1	12.9	209.2		204.3
6		160.5		215.1	205.2		23.4	77.2	13.0	209.7		209.0
7		157.7		153.5	203.4		28.5	76.9	97.0	207.7		211.8
8		155.5		214.1	203.1		25.1	85.7	153.5	206.7		208.8
9		154.6		212.5	132.2		24.0	75.3	153.8	205.7		210.7
10		154.8		211.3	81.4		25.0	74.2	158.9	202.4		207.2
11		157.9		209.7	81.4		24.3	74.8	210.9	200.2		206.6
12		155.3		208.9	77.8		24.2	79.4	186.0	200.8		210.4
13		153.9		207.5	74.6		23.2	75.8	156.6	198.7		208.7
14		157.6		189.0	74.3		23.2	73.7	153.5	197.1		210.0
15		160.1		205.3	64.9		23.2	76.9	71.0	165.3		210.0
16		157.1		203.2	59.1		22.8	80.0	11.8	208.1		208.9
17		158.0		199.7	59.5		22.1	78.8	26.8	176.6		208.0
18		161.8		172.8	58.3		21.8	79.1	22.9	155.7		208.2
19		190.8		154.3	62.4		22.1	78.5	21.2	154.4		207.3
20		211.1		154.3	57.6		22.1	122.0	21.4	72.8		208.0
21		209.5		154.3	40.0		24.7	154.1	21.5	15.2		208.3
22		209.4		84.5	38.7		23.5	152.3	20.4	17.2		208.2
23		211.5		25.6	37.2		22.5	153.9	19.8	15.1		208.2
24		211.6		23.2	36.8		81.4	153.7	20.1	15.6		207.7
25		211.9		24.4	37.2		115.1	155.2	19.6	15.0		207.6
26		211.1		25.1	36.3		80.5	56.4	134.4	16.3		207.2
27		211.4		25.9	35.8		82.4	14.3	214.1	18.0		207.0
28		213.3		118.8	30.0		43.8	15.1	215.1	19.3		207.3
29		212.4		212.8	29.8		13.1	16.1	212.9	20.9		207.4
30				212.6	27.0		13.5	10.8	205.4	19.3		206.5
31					29.4		15.6	12.4		12.8		206.8

Ellsworth Dam Historical Daily Generation
Period of Record: 2007 - 2015

Ellsworth Dam 2009 Daily Generation (MW)												
Day	January	February	March	April	May	June	July	August	September	October	November	December
1	207.2	157.8	155.1	163.8	61.5	51.2	202.2	30.1	61.1	206.1	152.0	94.2
2	207.2	154.7	154.6	212.6	47.3	72.1	176.8	28.4	60.6	135.0	141.1	77.0
3	207.1	155.1	153.9	214.1	48.9	82.2	145.5	24.3	85.1	41.0	145.0	91.4
4	206.7	153.7	154.1	212.8	145.4	80.9	121.5	18.5	30.4	52.8	142.9	79.1
5	205.3	107.7	155.9	213.0	207.9	78.0	99.7	18.6	29.0	49.4	140.0	85.7
6	206.1	80.1	123.4	213.1	212.0	77.5	136.7	17.5	34.1	45.8	149.9	86.3
7	205.7	80.6	38.4	210.0	212.4	75.9	162.3	16.4	30.6	59.8	148.0	86.8
8	128.5	79.0	36.5	184.1	144.1	76.0	164.8	16.3	32.9	70.9	146.7	89.5
9	80.0	79.4	36.8	194.3	87.3	51.0	161.3	16.2	33.3	73.2	144.6	91.1
10	77.8	79.0	37.7	196.2	83.6	27.0	159.2	15.8	32.8	78.0	139.9	95.6
11	81.5	77.9	39.0	200.3	84.7	28.4	157.3	15.8	32.7	54.3	138.4	130.8
12	53.1	82.0	149.6	199.6	79.1	63.2	161.9	40.4	32.8	43.4	135.2	150.3
13	25.1	87.1	217.4	196.4	77.7	79.1	160.3	29.6	32.6	64.7	134.5	151.9
14	22.7	89.2	216.7	151.6	51.2	83.6	157.3	29.8	31.9	78.0	132.0	152.2
15	16.3	92.2	215.5	206.2	31.7	86.1	155.6	31.2	32.5	71.1	139.9	137.6
16	20.3	90.1	214.9	204.8	32.1	81.3	152.3	31.9	32.0	78.9	120.1	152.1
17	21.4	87.7	145.6	178.8	41.8	81.7	68.3	31.8	31.9	82.8	135.0	148.5
18	22.1	80.9	88.0	154.4	67.3	81.8	19.3	31.6	31.2	80.7	136.2	153.0
19	24.6	85.4	63.1	153.6	77.8	89.0	19.3	32.0	30.5	79.7	130.9	152.1
20	25.0	83.6	36.2	153.1	80.0	191.0	19.6	30.2	31.5	81.1	130.1	149.5
21	25.0	81.8	32.6	154.1	78.8	216.7	20.6	30.8	31.1	77.1	134.8	143.0
22	29.2	85.9	31.5	188.1	46.6	215.9	25.3	30.8	31.0	80.0	145.7	109.5
23	22.7	61.4	31.8	213.1	31.1	215.9	22.2	34.3	30.9	78.2	144.9	85.0
24	56.9	80.8	28.5	212.7	31.6	215.8	99.2	50.4	31.0	104.2	148.8	84.3
25	82.4	127.5	29.8	212.6	31.0	216.2	153.7	56.4	31.0	144.3	148.1	81.2
26	85.6	157.0	31.3	212.5	29.1	213.3	153.5	57.1	31.0	143.9	144.6	80.7
27	84.1	155.9	24.1	211.9	32.1	210.8	155.2	53.4	30.9	143.2	146.8	87.3
28	84.3	154.9	28.6	147.2	36.2	215.0	149.4	55.5	36.8	145.1	149.3	82.6
29	122.8		33.8	87.6	37.7	212.3	154.1	59.5	35.1	149.6	144.8	79.2
30	156.2		70.8	87.8	54.4	211.4	154.0	78.5	136.6	149.6	145.1	88.5
31	156.7		82.8		40.2		82.8	70.7		149.7		88.1

Ellsworth Dam Historical Daily Generation
Period of Record: 2007 - 2015

Ellsworth Dam 2010 Daily Generation (MW)												
Day	January	February	March	April	May	June	July	August	September	October	November	December
1	87.7	207.9	155.1	191.6	37.4	35.6	35.4	36.0	25.7	19.9	21.2	12.8
2	88.0	208.2	152.3	191.4	37.3	35.4	34.7	38.1	13.2	23.7	20.5	102.5
3	88.6	206.4	160.4	191.7	37.7	37.3	34.3	39.7	14.4	20.4	20.6	152.4
4	91.5	203.1	178.6	191.8	37.3	36.5	34.2	37.6	22.4	18.7	28.6	155.3
5	96.5	200.7	154.1	165.4	38.0	38.9	33.5	31.7	17.6	20.3	82.7	153.8
6	98.8	202.4	113.5	199.7	86.2	47.1	33.2	32.9	15.5	21.2	84.8	154.0
7	87.0	204.9	89.0	137.0	85.1	59.8	30.6	36.1	14.6	21.8	94.6	154.5
8	86.0	205.8	88.2	150.6	87.0	59.1	30.3	35.8	16.8	21.6	163.0	155.2
9	85.4	204.9	65.2	151.0	83.2	59.2	31.9	35.6	14.9	19.9	203.0	154.1
10	84.9	202.7	37.4	149.5	81.9	62.5	34.0	36.0	18.2	18.7	207.2	149.5
11	81.7	205.4	36.3	149.5	71.4	64.4	35.0	35.5	15.2	18.7	209.1	150.6
12	81.1	205.2	36.7	148.5	55.1	58.6	33.3	35.1	17.2	18.5	206.8	154.5
13	83.8	204.1	36.8	148.6	45.5	64.7	32.8	34.3	65.2	18.1	205.9	175.0
14	83.3	205.6	35.8	146.6	41.6	57.7	33.5	34.2	11.5	17.8	207.4	169.3
15	83.1	202.8	37.5	91.6	41.9	37.3	32.8	33.6	15.8	32.2	208.9	197.1
16	82.4	204.9	36.5	87.0	41.0	35.7	35.5	33.3	24.6	27.7	211.1	197.2
17	81.5	85.0	37.0	81.4	41.2	35.7	35.5	34.0	35.6	24.3	211.6	198.1
18	81.4	36.4	37.3	80.7	39.2	35.6	44.1	38.8	34.4	28.1	201.4	197.8
19	81.0	37.7	35.9	82.8	41.1	35.4	30.6	38.1	28.7	26.6	205.1	198.0
20	81.2	31.5	35.9	83.6	41.3	35.4	29.4	38.1	16.6	25.2	212.8	197.4
21	80.0	38.8	36.5	82.9	39.1	34.6	33.3	37.8	13.8	22.9	212.1	166.8
22	84.4	38.9	37.2	48.7	38.6	34.0	33.0	37.7	13.4	17.5	210.5	208.0
23	84.5	39.4	56.9	57.1	38.1	35.3	31.9	37.2	14.1	23.1	209.7	207.1
24	84.1	40.7	155.9	42.7	37.9	34.1	30.6	36.9	15.4	23.8	205.3	205.9
25	94.8	70.4	208.1	42.2	37.9	32.9	32.9	38.3	21.0	21.1	207.0	206.7
26	143.5	128.3	207.4	41.9	37.2	32.8	34.2	37.4	19.4	35.7	203.9	208.2
27	193.8	153.9	204.9	42.9	37.6	35.7	34.5	36.5	19.9	35.7	201.3	207.1
28	214.4	151.1	205.4	43.7	37.6	38.8	33.8	36.4	20.7	40.5	207.3	206.9
29	213.0		211.1	43.1	37.5	37.4	33.9	36.1	20.7	27.9	207.3	163.5
30	210.6		188.2	38.1	36.2	35.9	33.5	36.0	22.2	22.2	22.3	145.7
31	208.3		190.1		35.3		33.6	36.0		22.3		120.4

Ellsworth Dam Historical Daily Generation
Period of Record: 2007 - 2015

Ellsworth Dam 2011 Daily Generation (MW)												
Day	January	February	March	April	May	June	July	August	September	October	November	December
1	95.8	129.3	156.2	131.1	210.6	86.4	30.6	25.5	160.2	45.2	85.7	18.8
2	91.1	156.9	155.7	109.3	210.7	53.5	29.9	28.7	158.6	43.9	85.7	18.3
3	93.4	157.0	156.3	120.0	210.7	32.9	29.2	28.8	161.3	41.2	85.4	19.4
4	90.5	154.9	153.9	120.2	171.4	45.1	28.7	25.3	159.9	36.8	84.5	19.1
5	84.4	153.0	150.6	120.7	157.6	33.5	27.7	24.8	155.4	34.5	84.1	19.4
6	84.7	153.5	151.9	121.0	155.7	33.5	26.2	24.0	149.6	33.1	87.3	22.7
7	83.9	152.4	161.0	121.1	156.2	31.9	25.5	26.0	153.2	33.2	82.7	33.4
8	83.7	155.4	156.7	144.1	155.4	32.0	25.2	25.4	151.7	32.5	82.0	100.4
9	83.3	155.7	160.3	168.8	154.7	34.3	28.6	24.2	62.8	31.7	81.0	153.2
10	84.2	154.3	161.7	169.3	78.6	33.9	26.4	30.2	13.9	30.8	84.8	151.6
11	84.0	151.7	162.4	169.9	34.5	34.7	25.4	30.2	11.2	29.7	85.9	151.3
12	86.2	151.2	159.7	169.9	37.8	33.6	31.7	29.0	10.8	67.0	83.1	150.1
13	85.3	151.5	150.3	154.1	40.9	33.9	35.0	28.9	29.1	87.9	85.3	148.9
14	86.4	149.1	160.1	157.4	41.4	35.1	33.8	28.7	89.7	89.4	86.5	149.2
15	84.8	85.8	161.9	159.3	45.2	36.8	29.7	28.5	11.9	93.6	84.1	155.7
16	83.2	21.3	162.0	159.2	106.9	34.9	27.5	30.1	12.6	89.2	89.0	157.4
17	82.3	20.0	160.8	158.5	160.5	34.3	19.5	32.6	11.8	84.6	89.2	154.0
18	82.2	20.6	161.7	158.4	159.2	34.6	23.3	32.8	14.0	79.6	47.9	142.8
19	88.5	21.3	177.6	158.5	159.1	33.1	24.7	30.8	16.5	86.0	13.6	154.6
20	85.6	24.3	160.6	139.4	161.3	33.7	22.3	30.8	17.5	93.2	13.6	154.1
21	90.1	19.8	160.2	164.8	162.4	33.5	26.1	31.0	14.6	85.6	13.4	117.2
22	85.2	18.7	159.7	162.6	161.2	32.9	50.3	33.8	18.6	86.0	14.3	81.6
23	84.3	18.5	159.9	164.1	161.3	32.5	25.1	32.6	15.1	86.9	12.4	82.8
24	82.9	18.4	165.7	165.6	117.1	32.1	53.0	51.5	7.4	85.1	14.3	80.6
25	82.9	110.3	165.5	181.1	85.9	36.2	23.1	138.9	20.6	83.7	14.7	85.2
26	82.6	160.1	163.1	211.5	88.1	34.3	21.8	163.2	19.9	86.3	14.8	87.0
27	82.1	157.9	155.7	212.9	76.4	32.8	22.2	163.4	19.3	85.9	16.7	85.2
28	81.6	156.5	143.1	212.1	90.9	32.1	21.9	163.0	18.5	87.6	20.2	87.2
29	81.0		149.8	211.0	89.7	31.3	21.3	162.7	18.8	87.6	18.3	79.0
30	80.4		149.6	209.7	90.1	31.3	21.6	158.3	19.9	90.8	19.5	87.5
31	81.2		149.7		88.2		20.7	162.3		87.2		86.4

Ellsworth Dam Historical Daily Generation
Period of Record: 2007 - 2015

Ellsworth Dam 2012 Daily Generation (MW)												
Day	January	February	March	April	May	June	July	August	September	October	November	December
1	88.3	21.0	201.9	15.5	205.8	28.8	197.9	21.1	20.1	26.8	200.4	15.5
2	90.6	20.8	95.8	15.7	205.6	31.3	198.1	19.1	19.8	41.5	198.7	15.8
3	88.4	20.1	24.5	15.0	180.6	39.8	166.1	18.5	19.4	29.9	200.1	15.0
4	86.8	17.0	26.4	13.9	204.1	161.8	147.1	18.5	19.2	21.8	44.1	15.7
5	87.5	16.6	23.1	12.7	201.2	202.8	149.5	18.1	34.8	22.7	0.0	69.8
6	86.8	16.8	21.9	14.1	198.1	198.9	76.2	17.7	27.4	24.0	0.0	13.0
7	86.5	16.1	22.8	15.8	200.7	193.8	22.3	17.7	33.3	26.2	78.9	13.2
8	86.1	13.7	30.3	16.0	128.7	206.0	20.0	17.0	46.5	30.0	139.1	15.0
9	123.4	13.7	44.0	17.7	81.3	198.1	19.2	16.9	45.1	63.4	136.0	15.7
10	151.2	19.0	35.6	18.0	127.1	201.1	18.2	19.5	43.5	89.6	141.4	16.6
11	151.1	22.8	31.1	17.8	187.5	196.6	17.2	25.5	49.4	90.4	142.1	15.2
12	153.5	23.9	37.7	18.1	210.4	90.8	16.6	25.1	74.7	90.4	139.3	15.4
13	152.4	27.6	44.7	19.6	207.1	35.7	16.0	24.2	89.3	87.6	201.4	14.3
14	150.9	27.6	58.2	21.0	190.0	30.9	15.9	24.0	88.0	84.2	209.0	14.2
15	149.8	27.2	87.4	24.5	201.0	22.4	15.9	22.7	87.0	81.4	208.6	14.3
16	152.2	62.4	87.4	20.4	204.3	25.7	15.5	37.8	89.6	84.5	206.9	14.0
17	150.2	21.4	87.8	26.2	201.6	25.4	14.9	29.3	91.6	126.0	204.7	13.9
18	150.4	22.2	80.4	98.1	204.6	28.5	18.4	26.4	91.5	153.6	205.4	16.3
19	116.5	14.6	76.4	148.0	203.2	33.9	15.4	26.2	91.3	148.9	205.2	22.1
20	81.2	13.7	75.7	145.1	201.5	33.1	13.6	24.9	86.1	154.0	203.5	22.0
21	84.6	20.5	75.8	148.9	200.0	33.8	13.5	24.5	81.1	150.3	205.4	30.8
22	82.6	33.0	48.7	149.2	182.5	33.1	13.2	23.8	80.0	184.3	207.8	49.1
23	82.1	35.0	26.7	154.1	155.5	33.9	12.6	23.6	78.8	200.6	205.1	50.8
24	84.8	24.8	31.7	178.4	154.5	37.4	13.9	23.3	82.3	202.0	204.3	61.7
25	75.2	32.0	23.2	206.1	110.6	35.9	14.7	22.9	86.1	199.6	205.5	81.7
26	43.2	22.3	30.9	207.1	82.6	66.5	19.6	22.5	84.2	199.5	204.5	152.5
27	24.5	138.8	34.6	206.9	81.2	83.6	19.2	21.8	82.0	201.4	86.6	204.1
28	30.1	200.0	32.2	206.7	80.4	86.1	18.9	21.7	40.0	199.2	10.6	202.1
29	23.9	199.6	21.5	206.3	87.5	145.8	18.8	21.0	14.0	201.6	14.1	200.9
30	21.8		16.7	206.0	61.6	194.8	18.9	20.6	26.6	204.4	11.9	202.5
31	20.8		15.3		35.7		18.7	20.1		200.9		202.4

Ellsworth Dam Historical Daily Generation
Period of Record: 2007 - 2015

Ellsworth Dam 2013 Daily Generation (MW)												
Day	January	February	March	April	May	June	July	August	September	October	November	December
1	200.4	27.2	15.2	29.9	33.2	203.8	68.4	12.9	77.3	152.2	19.7	46.9
2	205.1	18.8	16.6	21.1	34.1	202.2	85.2	18.2	83.5	152.0	18.2	48.7
3	206.2	18.5	17.7	64.6	34.1	197.5	80.3	23.7	131.6	149.7	17.9	47.3
4	200.1	16.5	59.4	87.2	36.5	169.8	87.5	18.3	153.6	151.0	16.7	42.5
5	197.5	108.8	87.7	88.1	35.5	155.1	85.4	16.1	156.5	53.8	16.4	33.7
6	197.2	155.3	134.7	86.5	40.4	111.5	83.8	15.8	157.3	89.9	16.4	36.3
7	117.5	154.3	156.6	87.1	35.9	84.4	82.5	18.9	155.4	97.2	16.0	34.3
8	37.2	155.3	154.4	88.0	36.2	111.0	81.4	18.3	155.4	90.7	13.2	31.7
9	22.1	157.0	153.0	90.2	39.5	105.7	80.6	40.9	150.0	40.9	13.9	33.3
10	15.9	157.7	150.2	93.6	39.7	140.6	85.3	46.5	151.9	16.3	14.7	33.6
11	13.3	156.3	156.3	134.3	39.7	155.6	80.7	35.7	154.4	14.7	15.9	68.6
12	15.1	157.9	159.8	155.0	37.3	186.2	79.2	36.0	117.7	12.9	14.3	84.2
13	15.2	159.8	161.9	155.4	32.9	206.0	81.5	70.2	157.3	15.7	17.2	83.3
14	18.3	157.8	158.0	154.2	39.4	170.7	87.5	82.8	153.0	14.7	16.5	83.9
15	15.4	155.6	181.3	152.5	38.8	158.1	85.5	87.5	153.0	12.0	15.3	84.8
16	14.1	157.0	206.2	150.3	40.0	155.8	84.1	87.7	156.7	13.9	15.2	84.8
17	13.7	155.5	203.1	68.5	39.2	175.6	82.0	85.9	156.9	16.1	15.2	83.8
18	21.6	156.0	201.6	16.0	38.7	134.0	80.5	88.1	156.5	14.1	17.9	127.3
19	16.7	149.8	200.3	29.9	46.4	53.9	86.4	86.6	155.4	12.2	14.7	151.8
20	14.2	156.0	156.7	43.1	42.4	36.5	83.9	83.7	155.7	14.4	17.3	120.3
21	12.1	154.7	155.1	61.9	35.6	33.1	63.7	82.1	154.8	16.5	13.8	87.1
22	14.2	154.7	155.1	86.8	38.2	37.3	14.1	84.1	155.8	16.1	12.9	87.0
23	106.5	152.4	81.8	85.5	38.3	39.3	19.4	88.8	155.5	12.8	13.7	86.4
24	155.4	154.4	85.4	86.3	80.0	39.1	16.5	87.6	153.6	12.7	15.7	46.1
25	154.0	154.7	87.2	43.3	177.1	37.1	16.6	86.2	152.5	13.6	15.6	19.6
26	156.4	69.2	51.7	21.7	211.2	37.4	23.6	84.4	151.7	15.7	18.0	21.1
27	154.9	16.3	18.6	16.1	211.5	37.0	39.3	82.5	152.4	17.0	57.1	22.4
28	155.4	17.4	20.6	15.7	210.9	43.0	29.4	81.1	154.0	16.9	56.3	22.6
29	155.1		20.9	16.1	209.6	36.3	22.7	79.5	154.9	17.1	48.9	23.2
30	154.8		21.9	18.6	201.8	46.3	17.9	77.8	148.0	16.0	50.7	26.7
31	88.5		22.3		202.0		13.2	79.0		16.5		104.3

Ellsworth Dam Historical Daily Generation
Period of Record: 2007 - 2015

Ellsworth Dam 2014 Daily Generation (MW)												
Day	January	February	March	April	May	June	July	August	September	October	November	December
1	100.3	216.7	120.1	82.1	211.	43.4	74.	30.4	16.7	13.8	33.8	157.4
2	87.8	214.4	44.2	83.9	206.9	42.9	17.6	30.3	71.6	13.4	36.9	158.4
3	89.5	208.6	17.7	82.5	206.2	40.5	14.1	30.2	108.4	13.8	35.5	183.7
4	91.2	198.5	65.2	84.8	177.2	41.7	14.1	30.	106.7	13.8	34.1	206.8
5	85.5	184.1	85.8	92.9	200.1	42.4	52.5	30.	124.8	14.9	37.3	202.4
6	100.3	78.2	50.4	85.5	146.9	80.2	67.9	30.1	15.8	14.2	38.	135.3
7	83.2	57.1	17.2	135.3	105.8	110.1	152.1	29.9	16.7	13.4	49.2	87.2
8	78.6	81.7	12.3	203.6	109.4	108.1	199.9	29.9	15.4	14.9	47.3	146.4
9	133.	81.8	12.6	201.1	109.8	108.6	198.7	30.6	14.9	13.8	44.5	187.6
10	182.5	84.7	13.6	203.6	110.3	108.2	209.4	30.3	23.3	13.8	43.6	196.9
11	200.1	80.9	14.4	205.8	110.7	71.8	172.9	29.8	67.4	13.5	40.2	193.4
12	200.2	83.	16.1	208.5	110.	35.9	158.5	29.4	16.	13.9	39.	194.3
13	200.9	81.1	16.4	207.8	89.6	34.6	139.8	28.7	16.2	13.8	39.1	193.5
14	203.4	82.9	10.9	207.8	83.2	44.2	4.5	32.1	15.6	14.	39.6	193.4
15	200.2	83.1	17.8	175.8	83.7	39.4	124.9	30.8	16.1	14.1	39.4	193.1
16	198.3	82.2	15.4	190.7	88.1	35.9	159.7	36.1	16.3	14.4	39.7	193.
17	201.6	85.2	102.4	188.9	91.2	34.9	156.6	36.4	15.9	25.2	40.8	193.5
18	203.2	83.1	198.3	189.4	113.5	109.9	155.9	147.9	15.7	19.4	134.2	128.7
19	201.9	86.8	198.3	189.6	33.6	161.8	153.5	206.5	18.6	16.5	200.4	89.7
20	204.1	86.3	205.2	189.2	37.6	160.8	154.3	204.6	12.8	15.5	199.1	91.2
21	204.4	85.3	177.3	190.4	32.5	158.1	153.	127.3	13.	16.3	106.	90.2
22	206.7	86.3	105.	167.6	30.5	154.3	154.1	134.7	12.5	20.2	39.2	130.5
23	203.8	83.	130.9	179.1	30.1	78.6	79.	24.5	12.2	38.8	39.1	200.3
24	203.9	167.3	198.2	190.6	30.1	28.8	23.7	24.1	12.6	52.4	89.8	189.
25	204.9	209.5	198.8	195.5	30.2	37.1	16.8	74.1	13.6	40.3	152.6	161.5
26	200.4	208.4	201.2	203.2	31.	114.5	16.8	105.7	13.9	36.7	157.6	155.3
27	210.2	202.9	80.9	202.2	31.1	153.	17.2	103.6	13.8	34.2	157.4	156.5
28	213.	198.2	16.1	202.8	34.1	154.5	26.8	101.9	13.8	34.4	155.7	156.
29	215.5		21.1	197.3	39.9	153.2	30.8	68.6	13.6	34.6	154.8	155.6
30	216.4		58.8	203.1	44.2	154.5	31.	16.	13.7	34.1	154.5	145.
31	216.1		63.4		43.6		31.	16.6		33.6		154.4

Ellsworth Dam Historical Daily Generation
Period of Record: 2007 - 2015

Ellsworth Dam 2015 Daily Generation (MW)												
Day	January	February	March	April	May	June	July	August	September	October	November	December
1	153.7	192.5	16.3	35.8	94.3	132.9	91.7	18.4	13.7	132.3	95.7	78.6
2	121.1	191.2	15.9	61.1	91.6	133.0	89.2	20.3	70.2	203.8	90.4	80.0
3	153.0	186.4	17.3	85.9	92.0	130.3	60.8	15.5	25.0	205.0	83.2	84.2
4	151.5	183.9	15.5	91.4	93.5	127.6	32.2	18.1	29.5	208.1	70.2	65.2
5	152.0	182.1	14.4	89.4	97.2	77.5	33.7	22.4	29.2	207.6	69.7	14.1
6	154.6	180.4	17.9	117.1	65.2	28.0	89.6	20.9	29.0	147.1	74.2	13.7
7	158.7	191.5	16.5	141.9	41.5	30.4	107.6	21.3	28.8	21.9	85.3	51.8
8	154.2	199.7	14.0	144.7	34.5	30.3	21.5	22.2	28.7	45.8	82.9	86.8
9	152.5	201.7	17.2	74.3	33.7	29.7	10.8	20.8	28.3	119.4	80.7	87.0
10	153.2	199.2	17.0	183.6	52.6	29.2	16.0	19.8	28.1	118.0	71.5	86.5
11	147.7	194.6	17.8	205.0	32.3	27.5	28.1	22.0	25.5	120.5	71.0	72.3
12	147.3	191.1	15.0	204.9	74.1	29.5	29.7	20.5	23.9	108.7	71.3	22.8
13	147.9	69.2	17.0	201.9	95.5	28.5	31.3	19.5	23.5	94.7	72.6	15.5
14	145.5	16.1	17.8	200.4	95.3	28.0	30.5	17.1	25.6	89.2	37.2	52.6
15	142.0	15.6	18.7	195.9	56.8	28.4	27.9	18.9	23.7	85.8	19.5	148.5
16	105.0	17.0	17.6	196.8	33.3	28.4	30.0	19.2	23.3	77.4	45.4	195.0
17	75.1	19.3	20.0	196.6	34.6	28.4	26.7	57.2	22.9	75.7	24.5	197.0
18	71.3	19.9	18.8	198.8	70.7	28.9	27.3	98.4	22.5	84.8	47.0	197.5
19	75.4	16.7	30.6	197.7	98.5	27.5	26.0	57.8	22.6	84.0	84.6	192.4
20	73.0	18.6	35.4	123.1	97.3	28.7	62.4	19.2	22.4	100.8	143.5	186.1
21	75.1	20.6	34.9	100.8	96.4	31.1	100.6	19.1	22.3	108.8	140.7	129.2
22	74.4	18.9	46.4	81.1	58.2	36.4	100.0	19.4	22.3	45.1	137.7	45.3
23	73.8	14.2	47.2	78.0	28.9	31.6	96.4	18.6	22.1	21.3	139.6	28.3
24	73.2	17.5	46.5	107.0	31.0	36.3	59.1	18.1	22.1	26.9	127.0	121.1
25	73.2	16.7	47.3	152.6	31.8	64.8	18.5	18.6	20.5	26.7	139.1	183.6
26	69.8	16.2	44.6	158.6	31.9	95.2	19.3	22.9	13.3	24.0	136.3	197.1
27	71.3	16.0	48.5	157.9	31.3	94.4	20.5	19.7	13.1	17.5	91.3	197.2
28	71.7	16.5	47.7	155.4	31.7	95.8	55.7	16.6	14.7	17.8	11.5	173.4
29	72.1		44.7	125.2	33.6	98.0	92.7	14.0	14.8	32.1	11.6	147.5
30	112.1		48.6	97.2	30.8	95.0	90.4	13.9	59.9	65.6	45.2	137.4
31	192.4		49.4		83.4		54.1	13.5		94.3		140.0

ATTACHMENT 8
STORAGE ELEVATION CURVE FOR GRAHAM LAKE

Graham lake Reservoir - Area and Volume Curves

