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FEDERAL ENERGY REGULATORY COMMISSION

April 11, 2000

Hon. David Boergers, Secretary
Federal Energy Regulatory Commission
888 First Street, NE
Washington, D.C. 20426

ORIGINAL

Re: New License Applications For
Erie Boulevard Hydropower, L.P.'s
E.J. West Project No. 2318, —000
Stewart's Bridge Project No. 2047 —000
Hudson River Project No. 2482; —000
Feeder Dam Project No. 2554; —000
Collectively the "Upper Hudson/Sacandaga Projects")
Filing of Settlement Offer and This Separate Explanatory Statement

Dear Secretary Boergers:

Pursuant to 18 CFR §385.602, enclosed for filing please find an original and eight (8) copies of a document entitled Upper Hudson/Sacandaga River Offer of Settlement (Settlement Offer) that was recently executed by, inter alia, Erie Boulevard Hydropower, LP (Erie), the New York State Department of Environmental Conservation (NYSDEC), the United States Fish and Wildlife Service (USF&WS), the Adirondack Park Agency (APA), the Hudson River-Black River Regulating District (HRBRRD), Saratoga and Fulton Counties, New York Rivers United (NYRU) and several other governmental agencies (GA's) and non-governmental organizations (NGO's) as regards the relicensing of the above-referenced hydroelectric projects (hereinafter collectively referred to as the "Upper Hudson/Sacandaga Projects").

E.J. West Project No. 2318, Hudson River Project No. 2482 and Feeder Dam Project No. 2554 are "Class of 1993" projects for which new licenses have yet to issue. Stewarts Bridge Project No. 2047 has an initial license expiring on June 30, 2000. As regards the Upper Hudson/Sacandaga Projects, the Settlement Offer contains a number of resource protection, mitigation and enhancement measures which differ from the measures proposed by the license applicant in the text of the respective new license applications. To the extent there is any inconsistency between any of the pending relicensing applications and the Settlement Offer, the Settlement Offer should govern[1].

[1] In addition, the proposed pneumatic flashboard enhancement in the application for Project No. 2482 that Niagara Mohawk withdrew from consideration via a letter dated May 31, 1995 has been reinstated per Settlement Offer subsection 6.5. The pneumatic flashboard scheme proposed for the entire spillway section of the Feeder Dam Project is being modified per Settlement Offer subsection 7.5 of the Settlement Offer.

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A separate Explanatory Statement is required to accompany Settlement Offer submittals by 18 CFR §385.602(c)(ii). This transmittal letter should be considered that Explanatory Statement as the contents hereof assist in documenting and placing into perspective the fact and effect of the Settlement Offer's execution.

Pursuant to 18 CFR §385.602(f), any comments on this Settlement Offer will be due on May 2, 2000, twenty (20) days from the filing date hereof. Any reply comment will be due by May 12, 2000.

EXPLANATORY STATEMENT

I. INTRODUCTION

This Settlement Offer sets forth the terms and conditions on which the signatories have agreed should be included in the new licenses for the Upper Hudson/Sacandaga Projects[2]

The enclosed Settlement Offer includes the following significant features:

- Section 1 covers a number of ancillary points and considerations pertaining to the Settlement Offer including a description (subsection 1.2) of what provisions of the Settlement Offer are intended to be included in the ensuing FERC licenses as well as what (see Table 1.2-1) sections are to be omitted from new licenses;

- Subsection 1.8 addresses the agreement for Erie and the Hudson River Black River Regulating District (the District) to file an amendment application for the E.J. West Project enabling the District to become the licensee for the Great Sacandaga Lake and its associated facilities while Erie remains the intended new licensee for the E.J. West generating facilities. This amendment application has been executed by Erie and the District and is being concurrently filed with the Commission under separate cover.

- Section 2 covers a number of general agreements among the parties which are common to the respective new licenses affected by the Settlement Offer.

- Sections 3, 4, 5, 6 and 7 cover project specific protection, mitigation and/or enhancement measures (PM&E) for the Great Sacandaga Lake, E.J. West, Stewarts Bridge, Hudson River and Feeder Dam Projects, respectively.

- Section 8 addresses the inception of four resource enhancement funds and formation of advisory councils intended to administer the respective funds.

[2] The original licensee and the original new license applicant for Project Nos. 2047, 2318 and 2482 was Niagara Mohawk Power Corporation whereas the original project licensee and the original new license applicant for Feeder Dam Project was Moreau Manufacturing Company. Pursuant to Commission Order Approving Transfers of License, Partial Transfer of License, and Substitution of Applicants dated July 26, 1999, these respective licenses and pending new license applications were transferred to Erie.

- Appendix A provides a summary of the background settlement process leading to the Settlement Offer as well as a brief description of the projects and discussion of the purpose and justification for the PM&E measures proposed in the Settlement Offer.

- Appendix B provides the statutory understanding of the parties.

- Appendix C provides (for reference) the list of studies (filed with the Commission) which provide scientific information pertaining to the PM&E measures agreed upon in the Settlement Offer.

- Appendix D provides a summary of the HEC5P computer modeling results which pertain to the operating scenarios which are inherent in the provisions set forth in Sections 3 though 7.

- Appendix E provides, for reference, a repeat of Appendix D, Table D1 coupled with "look up tables" enabling readers to look up specific target elevations pertaining to the level curves described in Section 3 of the Settlement Offer.

- Appendix F provides for agreed upon terms to be tied to future ownership of existing commercially operated non-project whitewater facilities in the vicinity of the Stewarts Bridge Project.

II. SIGNATORIES

The Commission's regulations [18 CFR §385.602(b)] indicate that a Settlement Offer may be made by any participant in a proceeding. This Settlement Offer has been executed by Erie and the various other GA or NGO entities listed in Section 1.0 of the enclosed Settlement Offer. All of these entities have participated in one way or another in settlement discussions. These discussions were initiated by the NYSDEC as an outgrowth of administrative litigation before the NYSDEC in the context of the NYSDEC's denial of Niagara Mohawk and Moreau requests for 401 water quality certificates for Project Nos. 2318, 2482 and 2554.

The New York Power Authority (NYPA) intervened in the administrative litigation pertaining to the NYSDEC's denial of Niagara Mohawk requests for 401 water quality certificates for Project Nos. 2318, 2482 and several other hydroelectric projects transferred to Erie, however, NYPA is not party to the FERC relicensing proceedings for these projects. Therefore, NYPA did not sign the Settlement Offer, but instead issued a letter (appended to the enclosed Settlement Offer) which indicates that NYPA does not object to this Settlement Offer.

By agreement, Erie is submitting the Settlement Offer to the Commission while NYSDEC Staff is submitting a duplicate original to the NYSDEC ALJ in order to resolve the administrative litigation involving the 401 water quality certificate denials that are pending before the NYSDEC as regards the E.J. West Project No. 2318, the Hudson River Project No. 2482 and the Feeder Dam Project No. 2554. NYSDEC issuance of 401 water quality certificates are expected within the next few months for each of the Upper Hudson/Sacandaga Projects. The NYSDEC-issued 401 water quality certificates will reflect the Settlement Offer's resolution of matters of interest or concern.

III. CONCLUSION

Give-and-take was inherent in negotiation and execution of the enclosed comprehensive Settlement Offer with the sundry other parties that are either parties to this FERC relicensing docket and/or the 401 water quality certification proceeding ongoing before the NYSDEC, or are state or federal resource agencies.

Erie is aware that the Commission strongly supports settlements and, accordingly, it has joined with others in executing a Settlement Offer in an attempt to best respond to resource concerns, while managing the ultimate fate of these relicensing proceeding in a manner acceptable to the interested stakeholders, signators and the Commission. Erie believe that the Settlement Offer offers just such an opportunity.

Successful negotiation of this Settlement Offer will also yield the ancillary benefit of facilitating NYSDEC's issuance of 401 water quality certificates, thus allowing positive FERC action, on a river basin, on three pending "Class of '93" relicensing dockets, as well as expediting and facilitating the pending relicensing of Stewarts Bridge Project No. 2047.

This Settlement Offer will also be submitted to the NYSDEC with a request that the Administrative Law Judge in the NYSDEC's administrative hearing remand the matter to NYSDEC Staff for 401 water quality certificate issuance consistent herewith. Based on past experience as regards Salmon River Project No. 11408, Beaver River Project No. 2645, Black River Project No. 2569/Beebee Island Project No. 2538 and the Raquette River Projects, 401 water quality certificates comporting to the substantive resolution of resource concerns addressed in the Settlement Offer are expected to issue within the next few months.

If there are any questions pertaining to this submittal or additional copies of same are requested, please call the undersigned at (315) 413-2787.

Very truly yours,

Jerry L. Sabattis

Jerry L. Sabattis
Hydro Licensing Coordinator

Enclosures: Settlement Offer
Attached Service List
xc w/Encl: J. M. Robinson
S. S. Hirschey
W. J. Madden
Service List
xc w/o Encl: Settlement Offer Signatories[3]

[3] Not all signatories to the Settlement Offer (see Section 1.0 listing in the enclosed Settlement Offer) are on FERC's official Service List. Therefore, all Settlement Offer signatories not on the attached Service List are concurrently being served a copy of this submittal.

CERTIFICATE OF SERVICE

PROJECTS: **Stewarts Bridge Hydroelectric Project No. 2047**
E. J. West Hydroelectric Project No. 2318
Hudson River Hydroelectric Project No. 2482
Feeder Dam Hydroelectric Project No. 2554

The preceding correspondence has been provided by Erie Boulevard Hydropower, L.P. by first class mail, to the following individuals, at the following addresses.

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Office of the Mayor
Village of Hudson Falls
Village Hall
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Hudson Falls, New York 12839

Date: April 11, 2000

* Copy of this transmittal and the Final Upper Hudson/Sacandaga Settlement Agreement served under List of Signatories.

UNITED STATES OF AMERICA
BEFORE THE
FEDERAL ENERGY REGULATORY COMMISSION

Erie Boulevard	)	**Project Nos. 2318, 2047** 011 — 011
Hydropower, LP	)	**2482 and 2554** — 012
		029

ORIGINAL

UPPER HUDSON/SACANDAGA RIVER OFFER OF SETTLEMENT

MARCH 27, 2000

ORIGINAL

UPPER HUDSON/SACANDAGA RIVER OFFER OF SETTLEMENT

Great Sacandaga Lake
E. J. West Project, FERC No. 2318 — 011
Stewarts Bridge Project, FERC No. 2047 — 011
Hudson River Project, FERC No. 2482 — 029
(Spier Falls and Sherman Island Developments)
Feeder Dam Project, FERC No. 2554 — 012

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UPPER HUDSON/SACANDAGA SETTLEMENT AGREEMENT

E. J. West Project, FERC No. 2318 — 011
Stewarts Bridge Project, FERC No. 2047 – 011
Hudson River Project, FERC No. 2482 – 029
(Spier Falls and Sherman Island Developments)
Feeder Dam Project, FERC No. 2554 – 012

1.0 INTRODUCTION

The Agreement and The Parties

This agreement (the "Settlement Offer") dated as of March 8, 2000, is made and entered into pursuant to Rule 602 of the Rules of Practice and Procedure of the Federal Energy Regulatory Commission ("FERC") (18 C.F.R. § 385.602) by and among the following entities who shall, except as otherwise noted, be referred hereafter to as a Party and collectively as "Parties":

- Adirondack Boardsailing Club Inc.;
- Adirondack Council;
- Adirondack Mountain Club ("ADK");
- Adirondack Park Agency ("APA");
- Adirondack River Outfitters, Inc;
- American Rivers
- American Whitewater ("AW");
- Association for the Protection of the Adirondacks;
- Erie Boulevard Hydropower, L.P. (Erie);
- Feeder Canal Alliance;
- Fulton County Board of Supervisors;
- Glens Falls Chapter of the Adirondack Mountain Club;
- Great Sacandaga Lake Association;

- Great Sacandaga Lake Fisheries Federation, Inc.;
- Great Sacandaga Lake Marinas;
- Hudson River/Black River Regulating District ("Regulating District");
- Hudson River Rafting Co., Inc;
- International Paper Company;
- New York Rivers United ("NYRU");
- New York State Conservation Council;
- New York State Department of Environmental Conservation ("NYSDEC");
- Niagara Mohawk Power Corporation (NMPC);
- Sacandaga Outdoor Center;
- Saratoga County Board of Supervisors;
- Town of Hadley;
- Trout Unlimited ("TU");
- U.S. Department of the Interior ("DOI"), U.S. Fish and Wildlife Service ("USFWS")
- U.S. Department of the Interior ("DOI"), National Park Service ("NPS");
- W.I.L.D.W.A.T.E.R.S.

1.1 Term of the Settlement Offer

This Settlement Offer shall become effective when it has been executed by the above-referenced Parties and shall remain in effect, in accordance with its terms, throughout the term of the new license(s) including any annual licenses.

I.2 Agreements to Be Incorporated As License Conditions and Enforceability

The agreements in the Settlement Offer are a comprehensive, integrated and indivisible set of measures intended to address non-power and power values relating to the relicensing of all four projects together, based on the substantial amount of information available from a number of sources, including the new license applications, the subsequent filings of additional information and the subsequent negotiations and analyses conducted by the Parties.

The Parties agree that each term of this Settlement Offer is in consideration and support of every other term and that it is essential that the FERC, with the exception of the Sections of the Settlement Offer noted in Table 1.2-1 below, incorporate as license conditions in the new licenses each of the commitments which Erie and the Regulating District have respectively agreed to undertake in **Sections 2.0** through **8.0** of this Settlement Offer. In this section as well as others, "license conditions" are intended to mean numbered articles of license.

Table 1.2-1

Sections of Settlement Offer to be Omitted from New Licenses

Section 1.0	**(to be omitted from licenses entirely)**
Section 3.0	**(to be omitted from Erie Boulevard Licenses entirely)**
Sections 4.0 - 7.0	**(subsections to be omitted entirely or partially from licenses as shown below):**
Section 4.0	**E.J. West Project**
Section 4.3.1	(Route 4 overlook) Existing facility located on County Land to be included only for licensee responsibility for improvements. Not to be included in Project Boundary
Section 5.0	**Stewarts Bridge Project**
Section 5.5.2.1	(River Manager Program) Existing commercial program, not in Project Boundary. To be omitted entirely in new license.
Section 5.5.2.2.1	(North Side Put-In Area) Within the existing Project Boundary. To be included in new license as new project facility to be constructed by Erie. Ownership to be transferred to NYSDEC for long term operation and maintenance. New facilities to be deleted from license and Project Boundary redrawn if necessary upon transfer.
Section 5.5.2.2.2	(South Side Take-Out Area) Not in Project Boundary. Included in new license only for construction responsibility of Erie. Ownership to be transferred to NYSDEC for long term operation and maintenance.

Section 5.5.2.3.1	(South Side Put-In Area) Existing commercial facility not in Project Boundary. To be omitted entirely in new license.
Section 5.5.2.3.2	(North Side Take-Out Area) Existing commercial facility not in existing Project Boundary. To be omitted entirely in new license.
Section 6.0	**Hudson River Project**
Section 6.4.2.5	(Town of Queensbury Boat Launch) To be developed and maintained by others outside Project Boundary with cooperation of Erie, to be omitted entirely in new license.
Section 7.0	**Feeder Dam Project**
Section 7.4.2	(Overlook Park) Partly in Project Boundary. Included in new license only for construction of certain facilities by Erie. Ownership and long term operation and maintenance by others. New facilities to be deleted from the Project Boundary upon completion.
Section 8.0	**Advisory Councils, Enhancement Funds and Reassessment of Benefit Charges:**
Section 8.1	(River Basin Council) To be omitted entirely in new licenses
Section 8.2	(Advisory Councils) To be omitted entirely in new licenses.
Section 8.3	(Enhancement Funds) Included in new licenses only for annual reporting requirements by Erie.
Section 8.4	(Reassessment of Benefits Charges by the Regulating District) To be omitted entirely in new licenses.
	Appendices (to be omitted entirely from licenses)

1.3 Purpose and Goals

The purpose of this Settlement Offer is to document the agreements that have been reached as the result of comprehensive discussions among the Parties with regard to the referenced hydroelectric projects with pending new license applications before the FERC and either pending applications for water quality certification before NYSDEC or denials thereof. The five projects covered by the terms of this Settlement Offer, are:

- Great Sacandaga Lake (Dam and Reservoir)

- E.J. West Project, FERC No. 2318
- Stewarts Bridge Project, FERC No. 2047
- Hudson River Project, FERC No. 2482 (Spier Falls and Sherman Island Developments)
- Feeder Dam Project, FERC No. 2554

A detailed description of these projects is set forth in Appendix A of this Settlement Offer.

The goal of the Settlement Offer is to provide for the continued operation of the subject projects with appropriate long-term environmental protection measures that will meet diverse objectives for maintaining a balance of non-power and power values in the Upper Hudson River Basin. The Settlement Offer is also intended to permit the continued operation of the Great Sacandaga Lake to provide flow augmentation, flood control benefits, and recreational opportunities to the Upper Hudson River basin.

The geographic scope of this Settlement Offer includes the Sacandaga River and the Hudson River upstream of the Troy Lock and Dam.

The Parties, having given careful and equal consideration to non-power and power values, provide in this Settlement Offer the terms and conditions for the resolution of operational, fisheries, wildlife, water quality, and recreational issues raised by and analyzed by the Parties as they are applicable to the issuance of new licenses and Water Quality Certifications for the subject projects.

1.4 Enforceability

In the event that FERC should issue new license(s) that omits any of the foregoing commitments or reduces any of the commitments under this Settlement Offer and, in the event that the new license(s) are not thereafter satisfactorily modified as the result of the filing of a request for rehearing pursuant to Section 2.10 of this Settlement Offer, each of the Parties agrees that it will nonetheless be bound by all such commitments of this Settlement Offer as long as the performance of those commitments would not violate the

terms of the new license and that any such commitments not included by FERC in the new licenses will be enforceable in a court or other forum of competent jurisdiction by and against any of the Parties.

1.5 Basis of Settlement Offer

Set forth in Appendix B to this Settlement Offer is a detailed compilation of the various statutory considerations which are applicable and pertinent to this Settlement Offer.

The provisions of this Settlement Offer are based, in part, on the statutory understanding of the Parties set forth in Appendix B, and on various studies and analyses conducted as part of the Licensee's Applications for New License (see Appendix C), the applications for new Licenses, responses to Additional Information Requests, and on the negotiations leading up to this Settlement Offer, wherein a number of alternatives for project operation and environmental protection measures were investigated. Table 2.1-1 summarizes the implementation schedule for Settlement Offer provisions for the Projects.

The signatories understand that the flow data used to analyze and compare effects on Great Sacandaga Lake elevations and downstream Hudson River flows for various operating schemes was the daily U.S. Geological Survey (USGS) flow at the Hope and Hadley gauges for the period 1922-1995. All schemes were analyzed by using the HEC5P program.

It is also understood that the performance parameter results, as depicted in Appendix D, are based on simulated results of the HEC5P program and that these results depict average performance conditions occurring over the 74 year period of simulation.

1.6 Matters Not Addressed By Settlement Offer

FERC and Erie are currently engaged in the review and analysis of methods to ensure that the Stewarts Bridge Project will safely pass the Probable Maximum Flood ("PMF"). Among the potential solutions being considered is installation of additional flow discharge capability at the Conklingville Dam. Any future improvements such as

actions to address the PMF, which may introduce opportunities to further enhance operations at the Great Sacandaga Lake, are not addressed in this Settlement Offer, and are subject to appropriate regulatory review to be conducted outside this settlement pursuant to existing state or federal laws and regulations.

The details associated with procuring a hydroelectric easement from the State for the use of State land and facilities at the Feeder Dam Project, including the Feeder Dam itself, is not addressed by this Settlement Offer.

The potential for reassessment and amendment of the water lease costs charged to Erie by the Regulating District for the E.J. West Project has not been addressed in this Settlement Offer.

1.7 Project Decommissioning

This Settlement Offer does not include any provisions relating to decommissioning or dam removal of the subject projects in whole or part. With or without amendment of this Settlement Offer, any Party may seek such further relief from FERC regarding such decommissioning as FERC may order, recognizing that no Party to this Settlement Offer has, or is advocating decommissioning of any development of the subject projects or any of the project facilities during the term of the new licenses. If and when any of the subject projects are decommissioned or retired during the term of any new licenses, the disposition of any enhancements associated with those projects pursuant to this Settlement Offer will be determined in decommissioning proceedings at that time.

1.8 Potential for Regulating District to Become a Licensee

In order to assure that the Regulating District is in compliance with applicable requirements of Article XIV of the New York State Constitution respecting the preservation of forest preserve lands as described in Appendix B, the Regulating District and Erie will make an appropriate filing with FERC seeking an amendment of the Erie's pending new license application for the E.J. West Project so that the Regulating District can be issued a separate license for the project lands and project works which are under

its jurisdiction. The Parties agree that FERC should issue such license to include those terms and conditions of the Settlement Offer which relate to the operation and management of those project lands and projects works.

1.9 Successors and Assigns

The Settlement Offer shall be binding on the Parties and on their successors and assigns.

1.10 Agency Appropriations

Nothing in this Settlement Offer shall be construed as obligating any federal, state or local government agency to expend in any fiscal year any sum in excess of appropriations made by Congress or state or local legislatures or administratively allocated for the purpose of this Settlement Offer for the fiscal year, or to involve the DOI, USFWS or NPS in any contract or other obligation for the future expenditure of money in excess of such appropriations or allocations.

1.11 Parties To Support Regulatory Approvals

The Parties agree to support the issuance of new licenses and water quality certifications which are consistent with the terms of this Settlement Offer. This support shall include reasonable efforts to expedite the National Environmental Policy Act (NEPA) process to be undertaken by the FERC as well as any regulatory approvals that may be needed to implement provisions of the Settlement Offer. For those issues addressed herein, the Parties agree not to propose or otherwise communicate to FERC or to any other federal or state resource agency with jurisdiction directly related to the relicensing process any comments, certification or license conditions other than ones consistent with the terms of this Settlement Offer. However, this Settlement Offer shall not be interpreted to restrict any Party's participation or comments in future relicensings of any of the subject projects.

1.12 Establishes No Precedents

The Parties have entered into the negotiations and discussions leading to this Settlement Offer with the explicit understanding that all offers of settlement and the discussions relating thereto are privileged, shall not prejudice the position of any Party or entity that took part in such discussions and negotiations, and are not to be otherwise used in any manner in connection with these or any other proceedings. The Parties understand and agree that this Settlement Offer establishes no principles or precedents with regard to any issue addressed herein or with regard to any Party's participation in the next relicensing proceeding and that none of the Parties to this Settlement Offer will cite this Offer, its approval by FERC, or NYSDEC as establishing any principles or precedents except with respect to the matters to which the Parties have herein agreed.

1.13 Water Quality Certification — Withdrawal Rights

The Parties agree that they will support the issuance by NYSDEC of section 401 Water Quality Certifications which are consistent with the provisions of this Settlement Offer. If NYSDEC should issue a 401 certification for any of the projects which is materially inconsistent with the provisions of this Settlement Offer, any Party can, as to the project in question, withdraw from this Settlement Offer by providing written notice of its intention to do so to the other Parties within 60 days from the date of issuance of any such certification or, in the event any Party seeks judicial or agency review, 60 days from the date of the denial of such review. The NYSDEC will distribute to the Parties copies of any 401 certifications which are issued.

1.14 Conventions and Definitions

The Parties agree that the following conventions and definitions should have the meanings so noted throughout this Offer of Settlement. Abbreviations used in the Offer of Settlement can be found in Appendix A, Section A.1.1.

Aggressive Use of Storage: Using the storage capability of Great Sacandaga Lake while adhering to maximum flow targets on the Hudson River below the confluence

with the Sacandaga River to enhance hydroelectric generation and limit high flows on the Upper Hudson River as described in Section 3.0 of this Settlement Offer and referenced in Table D.

Annual Guide Curve: A graphic illustration of the target lake level elevations for Great Sacandaga Lake over the course of the year.

Average Performance Conditions: Based on the performance parameter table results contained in the Final HEC5P report. The performance results depict average conditions occurring over the 74-year period of reservoir simulation. An average performance condition does not imply that the same performance will be achieved with the same periodicity every year. There will be years where a performance condition drops considerably below the average. Conversely, years will occur where the performance improves considerably. Average performance conditions only indicate that on average, after many years, one can expect that this performance criterion will be achieved a certain percent of the time.

Base Flow: The required minimum instantaneous instream flow, measured in cfs, to be continuously released into the river channel below the powerhouse, including, where applicable, fish movement flow at the lowest allowable impoundment level, dam leakage where an accurate estimate exists, and bypass flows.

Bypass Reach: The portion of original river bed fully or partially dewatered as a result of the diversion of water.

Core Hours of Whitewater Releases: From 11:00 a.m. to 2:00 p.m. Core hours do not necessarily represent the mid-point of daily hydro generation.

Critical Low Flow in the Hudson River: A low flow condition that necessitates flow augmentation.

Downstream Beneficiaries: Current beneficiaries of the operation of Great Sacandaga Lake for flood control and flow augmentation located along the Hudson River (See Section 8.4).

Elevation: Vertical distance, measured in feet above mean sea level using USGS datum.

Flow Augmentation: The addition of flow from Great Sacandaga Lake to the Hudson River to supplement flows in the Hudson River during low flow periods.

Great Sacandaga Lake Recreation Season: Memorial Day weekend through Columbus Day weekend.

HEC5P Model: A data file coded in a specific required format that defines a system of reservoirs and their operation within a basin. After reading this data file the HEC5P program performs a computer simulation of the proposed system. The HEC5P model used for this Settlement simulates the operation of the Sacandaga-Upper Hudson River system, from the E.J. West development on the Sacandaga River down through and including the Feeder Dam development.

Impoundment Fluctuation: Defined within this agreement as USGS elevations, except that fluctuations above the defined upper limit are not considered as an impoundment fluctuation.

Instantaneous Minimum Flow: The minimum instantaneous flow in a river, measured in cfs, at any given point in time; an instantaneous flow does not include the averaging of higher and lower flows.

Left/Right Bank: The left or right river bank as seen looking downstream.

License Issuance and Acceptance: For purposes of this Offer of Settlement, "License Issuance and Acceptance" means that FERC issues final licenses consistent with the terms of the Offer of Settlement relative to the particular enhancement being considered.

Licensee: Erie Boulevard Hydropower, L.P., or the Regulating District as to their respective projects and responsibilities.

Minimum Daily Average Flow: This flow requirement is on a daily average basis, and instantaneous requirements are not considered. This requirement targets a flow at a specified basin location that must be met on a daily average basis, except where specifically noted in this Agreement.

Minimum Flow (also called Bypass Flow): The instream flow intentionally and continuously released into a bypass reach (*e.g.*, at Sherman Island)

Orion Power: Orion Power New York, General Partner of Erie Boulevard Hydro Power, L.P.

Recreation Season: Unless otherwise specified herein, the period of time between Memorial Day weekend and Labor Day weekend.

Storage and Release Peaking: The daily operation of generating facilities to utilize allowable impoundment storage capacity to produce energy during peak demand hours.

Targeted Elevation: A point on the annual guide curve that is the elevation of daily Great Sacandaga Lake operations shown on Level Curve 3.

Targeted Maximum Flow on the Hudson River: A designated flow in the Hudson River below the confluence with the Sacandaga River, measured in cfs, to be approached but not exceeded to the extent practicable when flows in the Sacandaga River are added to flows in the Hudson River.

Unusual Meteorological Conditions: Unusually high or low precipitation which, when combined with associated meteorological trends and other factors (*e.g.*, soil saturation and water equivalent of snowpack), make it likely that runoff into lakes and rivers will be abnormally high or low in the Upper Hudson River basin.

Walleye Spawning Season: Walleye spawning season will start when water temperature reaches 4 degrees Celsius (39.2 degrees Fahrenheit) for four consecutive days after March 15th of each year. Walleye spawning season will end 30 days after water temperature has reached 10 degrees Celsius (50 degrees Fahrenheit) for four consecutive days.

Water Quality Conditions: The parameters for chemical and physical water quality, as well as designated uses, embodied in regulations implementing applicable provisions of the Environmental Conservation Law of New York State.

Whitewater Recreation Period: Weekdays starting after the third Saturday in June and continuing until Labor Day. Weekends starting Memorial Day and continuing through Columbus Day.

Winter drawdown: With reference to Great Sacandaga Lake, the lowest elevation to which the lake may be drawn between the dates of January 1 and April 30 annually, unless specific exceptions apply.

1.15 Article XIV of the New York State Constitution

The parties to this settlement agree that any arrangement or agreement among them with respect to any FERC License *(i.e.*, single licensee, multiple licensees, co-licensees), and/or operating agreement will be consistent with Article 14, Section 1 of the New York State Constitution as well as Section 21 of the Federal Power Act. The parties further agree that there will be no transfer of real property interest in the form of fee title, lease, or easement from the State of New York and/or the Hudson River Black River Regulating District to Erie, its successors and assigns, for lands within the Adirondack Park or Forest Preserve for any purpose, including as a means of complying with the Federal Power Act.

2.0 GENERAL AGREEMENTS OF THE PARTIES

2.1 Implementation Schedule

The Parties agree that the schedule set forth in Table 2.1-1 should be followed by the Licensees and the Parties named therein in implementing this Settlement Offer. The schedule will be adjusted, as appropriate, as to those measures with respect to which any rehearing or court appeal is pending (see also Section 2.4 below).

2.2 Separate Licenses and Term

The Parties agree that FERC should issue separate new licenses for The Great Sacandaga Lake and the E.J. West, Stewarts Bridge, Hudson River and Feeder Dam Projects. The Parties further agree that the new licenses should be issued simultaneously and that each should be for a term of 40 years.

2.3 Section 18

The Parties agree that FERC should include as a condition of each of the new licenses the Secretary of the Interior's exercise of his authority, pursuant to § 18 of the Federal Power Act (FPA), by reserving that authority to prescribe the construction, operation and maintenance of such fishways, as deemed necessary.

2.4 Rehearings

The Parties agree that none of them will file a request for rehearing of any new license unless the license contains conditions which are materially inconsistent with the terms of this Settlement Offer or omits as license conditions terms of the Settlement Offer which the Parties have agreed should be included as license conditions. In the event that any Party decides to file a request for rehearing in accordance with the terms of

Table 2.1-1
Summary Implementation Schedule for the Sacandaga/Hudson River Settlement Offer

Site	Impoundment Fluctuation Limits	Base Flows	Bypass Flows	Fish Protection	Downstream Movement Flows	Recreation Facilities	Whitewater Program
Great Sacandaga Lake[2]	Upon License Issuance See Note 2						
E.J. West				2002[3]		Within 18 Months of License Issuance[1]	
Stewarts Bridge	Upon License Issuance[1]	1/1/13		2008[4]	2008[4]	Within 18 Months of License Issuance[1]	Within 18 Months of License Issuance[1]
Spier Falls	Upon License Issuance[1]			2010[4]	2010[4]	Within 18 Months of License Issuance[1]	
Sherman Island	Upon License Issuance[1]		Within 18 months of License Issuance[5]	2006[4]	2006[4]	Within 18 Months of License Issuance[1]	
Feeder Dam	Upon License Issuance[1]	Upon License Issuance[1]		2004[4]	2004[4]	Within 18 Months of License Issuance[1]	

[1]For the purposes of this Table "License Issuance" means that FERC issues a license consistent with the terms of the Settlement Offer relative to the particular enhancement being considered. The License will be considered acceptable if it is consistent with terms of the Settlement Offer.
[2]All specific measures for Great Sacandaga Lake are shown in Table 3.0-1. Interim measures are described in Section 3.9.
[3]Fish protection at E.J. West will be installed no later than 12/31/02, regardless of license issuance date.
[4]The implementation dates for the individual projects (excluding E.J. West) assumes installation by 12/31 of that year, but may change depending on field conditions, without altering the commitment to install fish protection and downstream movement facilities in each of the years indicated. Any changes to the schedule shown above will be upon mutual agreement among USFWS, NYSDEC and the Licensee.
[5]Walleye spawning flow will be initiated in the first walleye spawning season following license issuance

this provision, it will provide written notice of its intent to do so to the other Parties at the earliest practicable time and thereafter the other Parties will, if time permits, join in the rehearing request or file an appropriate and supportive rehearing request of their own. If there is not adequate time for a Party to file a supportive rehearing request, it shall nonetheless advise FERC of its support of the request for rehearing at the earliest practicable time. Thereafter, if any Party, following the issuance of a FERC Order on Rehearing, elects to file a petition for judicial review with respect to the matters covered by this provision, the other Parties will not oppose such a petition.

2.5 Dispute Resolution

The respective Licensee with regard to its project(s) shall report to the FERC any dispute among the Parties regarding the terms or implementation of the Settlement Offer. Included in its report, the respective Licensee shall identify the subject of the dispute, and the attempts by the signatories to resolve the dispute (including the dates and results of meetings and written correspondence). If the Parties have not resolved the dispute through informal measures within 45 days of the report, the Licensee shall petition FERC for alternative dispute resolution pursuant to 18 C.F.R §§ 385.603 and 604, or some other formal process approved by the Parties and FERC. The Licensee shall not petition FERC to amend its license in a manner which is inconsistent with the terms of this Settlement Offer, without first having complied with the provisions of this section or of section 2.7.

2.6 Reopeners

The Parties agree that, except as provided herein, this Settlement Offer is not intended to limit or restrict the ability of any Party to petition FERC pursuant to any reopener condition contained in the new licenses including any exercise by the Secretary of DOI relating to his fishway prescription authority under § 18 of the FPA. No such petition including the exercise of § 18 authority may be filed which would, if granted, be materially inconsistent with this Settlement Offer unless the Party who files the petition has substantial evidence that a change in circumstances has occurred which provides good cause for the filing of the petition. Before any Party files such a petition with the FERC, it shall provide at least 60 days written notice of its intention to do so to all the

other Parties and, promptly following the giving of notice, has consulted with the other Parties regarding the need for and the purpose of the petition. In the event such a petition is filed, the filing Party shall include with its filing documentation of its consultation with the other Parties and a summary of their recommendations and of its response to those recommendations. The filing Party shall also serve a copy of its petition on all the other Parties.

2.7 License Amendments

The Parties agree that, except as provided herein, nothing in this Settlement Offer is intended to limit or restrict the ability of the Licensees to seek amendments of any of the new licenses. The Licensee(s) may only seek a license amendment which would be materially inconsistent with the provisions of this Settlement Offer if it has substantial evidence that a change in circumstances has occurred which provides good cause for the filing of the amendment and has provided the Parties at least 60 days written notice of its intention to do so, and promptly following the giving of notice has consulted with the Parties regarding the need for and the purpose of the amendment. For other license amendments which just relate to the license terms set forth in this Settlement Offer, the Licensees shall provide all Parties at least 30 days notice of the proposed amendment and, if requested to do so by any Party, shall consult with the Parties regarding the amendment and defer the filing for another 30 days. In any application for an amendment which relates to any of the terms and conditions of this Settlement Offer, the Licensee(s) shall document its consultation, summarize the positions and recommendations of the Parties and provide its response to those positions and recommendations. The Licensee(s) shall serve a copy of any application for amendment upon the Parties at the time of the filing. The Licensee(s) will not oppose an intervention request filed by any Party in an amendment proceeding involving any of the new licenses.

2.8 Fish Movement and Protection Measures

Erie shall provide measures to facilitate downstream fish movement at all of the hydroelectric developments except E.J. West, and shall provide fish protection measures

at all five developments of the E.J. West, Stewarts Bridge, Hudson River and Feeder Dam Projects. Installation of downstream fish movement and protection measures shall be phased in as specified in Table 2.1-1. The following conditions shall apply to all five developments where fish protection and/or downstream movement measures are being provided:

- Erie shall not be required to provide upstream fish passage facilities at this time.

- Erie shall not be required to: (1) test the effectiveness of any, or all, of the components of the movement and protection measures, (2) make qualitative or quantitative determinations of numbers of fish entrained, or (3) provide compensation for any fish entrained.

- Erie shall not be required to increase the level of protection provided or be required to add additional points of downstream fish movement beyond what is specified in Sections 4.2, 5.2, 6.2, and 7.2, unless prescribed by the Secretary of DOI under Section 18 of the FPA.

Downstream fish movement and protection measures may consist of one, or all, of the following components: (1) trashracks with 1-inch clear spacing designed to deter many adult fish from entering the turbine(s) of a given development; (2) an alternate route of downstream fish movement out of a given impoundment, and (3) a movement and plunge pool system designed to reduce damage to fish after moving out of a given impoundment (safe fish movement).

The geometry of the water conveyance opening of all downstream fish movement release structures shall be modified, as needed, to reduce the potential of damage to fish as they move through the release structure. If the release structure empties onto the face of a spillway, Erie shall provide a means to reduce dispersion of the release across the face of the spillway. Additionally, Erie shall reduce the roughness of the spillway face and provide a plunge pool at the toe of the spillway. Plunge pools shall have a depth of approximately 25 percent of the vertical distance of any free fall.

Trashracks with 1" clear openings will be installed at all sites to physically deter most adult game fish from entering the turbines. Smaller fish, which generally have a higher survival rate through the turbines, may also be behaviorally deterred by these devices. These fish protection measures will be implemented over time, commencing with E.J. West, which will implemented no later than December 31, 2002. Some exceptions to the implementation schedule may occur to allow for construction of fish protection measures at the remaining developments to occur in conjunction with other maintenance activities or to replace deteriorated trashracks. However, at least one of the remaining developments will receive fish protection measures every two years beginning in 2004, with all measures in place by December 31, 2010.

A 25 cfs release for downstream fish movement will be provided through a new or existing gate at each development except E.J. West. These gates will be designed or modified, as necessary, to insure safe downstream movement of fish. These modifications will include reducing the roughness of the spillway, reducing dispersion of the release across the spillway face, and creating an adequate plunge pool.

Under special circumstances Erie may temporarily curtail and/or suspend the operation of downstream fish movement and/or protection measures at the subject projects. Reasons for such temporary curtailment or suspension include, but are not necessarily limited to, the following occurrences:

- Maintenance, repair, or reconstruction of project facilities;
- Maintenance, repair, or reconstruction of non-project facilities such as roads, bridges or other structures adjacent to or in the river;
- Any emergency situation related to dam safety, human life or property, or rescue operations.

Any curtailment or suspension of the operation of downstream fish movement or protection measures will be for the minimum duration necessary and operation of such measures will be restored as soon as possible. Before curtailing or suspending the operation of such measures Erie shall consult with appropriate NYSDEC staff regarding

the need and approval to curtail or suspend the provision of downstream fish movement and protection measures. It will be the responsibility of NYSDEC staff to notify the USFWS (and the APA as needed) as well as Saratoga County of the request. Documentation of the consultation with NYSDEC staff must describe the need for the curtailment or suspension, and specify the expected duration of the curtailment or suspension of movement provisions. Advance consultation with NYSDEC will not be deemed necessary, if an emergency situation exists where consultation will slow down or impair Erie's ability to address immediate dangers related to dam safety, human life or property. NYSDEC will, however, be notified within 72 hours of the emergency situation and as soon as possible of the steps taken by Erie.

2.9 Upstream Fish Passage

The Parties agree that no upstream fish passage measures should be required at this time, but the new FERC licenses for each of the projects should include the standard license article reserving the ability of FERC to require such fish passage in the future and should include the full reservation of the Secretary of the Interior's § 18 authority pursuant to Section 2.2 of this Settlement Offer.

2.10 Downstream Fish Passage

The Parties agree that in view of Erie's commitment to install flow release structures described in Section 2.11 and the fish movement and protection measures described in Section 2.8, no downstream fish passage structures are being required at this time. The new FERC licenses for each project should include the standard license article reserving the ability of FERC to require such fish passage in the future and should include the full reservation of the Secretary of DOI's § 18 authority pursuant to Section 2.2 of this Settlement Offer.

2.11 Flow Release Structures

Erie will design and install flow release structures as described in Sections 5.0, 6.0 and 7.0 of this Settlement Offer to minimize adverse impacts to fish moving downstream. Final details of designs, including final locations of fish protection and

conveyance measures (*e.g.*, plunge pools, piping, etc.) and their cost effectiveness, will be based on field inspections and professional judgment of Erie, the USFWS, and NYSDEC. Installation will be undertaken by Erie in accordance with the schedule set forth in Table 2.1-1.

2.12 Erie's Responsibilities For Flow And Water Level Monitoring

Erie will develop a stream flow and water level monitoring plan in consultation with the Regulating District (as it concerns their operations), NYSDEC, USFWS and, in the case of the Stewarts Bridge Project, Fulton and Saratoga Counties and all other Parties within six (6) months of FERC license issuance and acceptance. The monitoring plan shall include all gages and/or equipment to:

- determine the stage and/or flow of the Sacandaga and Hudson Rivers at appropriate locations;
- determine all other project flows, including flows through the turbines, gates, weirs or other flow regulating structures;
- determine headpond and tailwater elevations as needed; and
- provide an appropriate means of independent verification of minimum or base flow levels by the NYSDEC, USFWS and the public.

All gauging and ancillary equipment required by the monitoring plan, including headpond and tailwater gages, shall be made operational and fully calibrated within 12 months of license issuance and acceptance, with the exception that monitoring of the Stewarts Bridge Project base flow will be commensurate with the implementation of the base flow on January 1, 2013. Monitoring for the base flow at Stewarts Bridge shall be done in the tailrace, shortly downriver, or through a calibrated orifice measurement. A staff gage, calibrated to conspicuously show the appropriate base flow levels, will also be provided for independent verification by the public.

Erie shall keep accurate and sufficient records of the impoundment elevations and all project flows to the satisfaction of NYSDEC and shall provide such data in a format

and at intervals as required by NYSDEC. All records will be made available for inspection at Erie's principal business office within New York State within five (5) business days, or will be provided in written form within 30 days of Erie's receipt of a written request for such records by any of the Parties. Furthermore, Erie will provide to the NYSDEC a seven-day per week contact person to provide immediate verification of monitored flows and responses to questions about abnormal or emergency conditions. Erie will also consider the feasibility of Internet type posting of these records.

The monitoring plan will contain provisions for the installation of staff gages at appropriate locations to permit independent verification of headpond and tailwater elevations to the nearest 0.1 foot. Staff gages will be visible to the general public. Stage *versus* flow ratings shall be calibrated when rating changes occur, and maintained for the subject projects. Access to staff gages shall be provided to the NYSDEC, USFWS and, in the case of staff gages at Erie's facilities on the Sacandaga River, to Fulton and Saratoga Counties, and/or their authorized representatives.

Erie shall keep accurate and sufficient record of the following incidents:

- any uncontrollable station outage that causes a reduction in the required base flows at Stewarts Bridge or Feeder Dam;
- any uncontrollable station outage that causes a reduction in the required minimum flow at Sherman Island;
- any mis-operation of a flow release device which causes a reduction in the required base flows at Stewarts Bridge or required minimum flow at Sherman Island.

Erie will consult with the NYSDEC to develop a plan for reporting these incidents. For the Sherman Island development and Feeder Dam project, the reporting plan shall be finalized within 12 months of FERC license issuance and acceptance. For the Stewarts Bridge project, the reporting plan shall be finalized at least 6 months prior to the implementation date for base flows, *i.e.*, at least 6 months prior to January 1, 2013.

2.13 Regulating District's Responsibilities For Flow And Water Level Monitoring

The Regulating District shall, on a monthly basis, prepare and publish a report of daily Great Sacandaga Lake elevations, inflows to Great Sacandaga Lake and flows of the Hudson River. The Regulating District shall, at its cost and expense, maintain equipment, facilities and personnel sufficient to generate the data for the monthly report. The Regulating District will also provide FERC, NYSDEC, NYRU and licensees on the Hudson River with notification if the Fort Edward USGS gage is out of operation for more than two weeks.

2.14 Recreation Facilities and Consultation

Existing recreation facilities at the Hudson/Sacandaga projects will be retained. The Parties agree that proposed recreational facilities specified in Sections 4.0 through 7.0 are generally consistent with, but supersede, proposals contained in the new FERC license applications for, and/or AIR responses filed with, FERC for the E.J. West, Stewarts Bridge, Hudson River and Feeder Dam Hydroelectric Projects. Existing and additional recreational facilities will be provided as specified in Sections 4.0 through 7.0 and in accordance with the schedule set forth in Table 2.1-1. Existing and additional recreational facilities, and access thereto, are, or will be, located on lands currently owned by Erie, or in the public way, unless otherwise noted. Unless specific provisions in Sections 4.0 through 7.0 of this Settlement require otherwise, any access granted or acquired for recreational purposes will be for general public use. The plans for improved and new recreation facilities will be developed in consultation with individual members of the River Basin Council, as appropriate, before submittal to FERC.

2.15 Settlement Offer Amendments

The parties agree that, except as provided herein, nothing in this Settlement Offer is intended to limit or restrict the ability of any party to seek an amendment to this Settlement Offer during the effective period of the license(s) with respect to matters not addressed in the license(s). Any Party seeking such an amendment may do so upon presenting substantial evidence that a material change in circumstances has occurred

which provides good cause for seeking the amendment. Any such amendment proposal shall not be materially inconsistent with any license articles or the obligations of the Licensees pursuant to their licenses. Any Party proposing such an amendment to this Settlement Offer shall provide all Parties with at least 30 days written notice of the proposed amendment, and, if requested to do so by any Party, shall consult with the Parties regarding the proposed amendment for at least another 30 days. All Parties must agree to the proposed amendment for the amendment to be effective. Any Party that abstains may not object to and will be bound by any amendment in which all other Parties concur. After such notice and consultation, if all Parties concur with the proposed amendment, the Party making such proposal shall secure signed agreements to the amendment. The Licensees will file the amendment with FERC for informational purposes.

2.16 Flow Tolerances

All instream flows defined in subsections 5.3 and 6.3 are considered nominal flows. It is recognized that the actual release at any given time may be slightly above or below the value indicated. The degree to which a flow will be above or below the value indicated is a function of headpond elevation as a result of allowable impoundment fluctuations. Erie shall derive appropriate methods for the provision of instream flows at the Stewarts Bridge and Sherman Island developments, based upon the midpoint of the normal impoundment fluctuation of each development. The range of flows is provided within subsections 5.3 and 6.3.

3.0 OPERATION OF GREAT SACANDAGA LAKE

3.1 Introduction

The Parties have agreed to a plan for the operation of Great Sacandaga Lake (GSL) that is based on maintaining certain maximum and minimum lake elevations, and to following an annual guide curve for lake levels that is intended to meet a number of resource objectives in consideration of the storage capacity of the lake.

The operation of GSL except as provided in Section 3.9 below, will begin upon issuance to and acceptance of a license by the Regulating District. Table 3.0-1 provides a summary of the operational enhancements to be provided by the Regulating District for Great Sacandaga Lake.

3.2 Operating Objectives for Great Sacandaga Lake

The Regulating District will operate the Great Sacandaga Lake to achieve the following objectives while maintaining the goal of controlling floods on the Hudson River:

- Maintaining the lake at the targeted elevations during the late winter consistent with the use of storage for flow augmentation;
- Providing flows in the Hudson River to maintain water quality and fish habitat;
- Targeting higher than current lake elevations to enhance fall lake recreation;
- Minimizing energy losses to affected hydro projects by the aggressive use of storage while maintaining the other objectives;
- Enhancement of whitewater recreation on the Sacandaga River.
- Providing base flows in the Sacandaga River.

Table 3.0-1
Summary of Settlement Offer Measures for Great Sacandaga Lake

Issue	Description	Time Frame for Implementation
Winter Drawdowns	748 feet	From License Issuance and Acceptance to 06/01/10
	749 feet	06/02/10 to 06/01/20
	750 feet	06/02/20 to License expiration
Operation to Target Flow Augmentation Needs on the Upper Hudson River Just Below the Confluence with the Sacandaga River	**In accordance with Table B (p. 38)**	From License Issuance and Acceptance to 06/01/13
	In accordance with Table C (p. 38)	From 06/02/13 to License Expiration
Targeted Maximum Flows in Hudson River Below the Confluence with the Sacandaga River for Aggressive Use of Storage	**In accordance with Table D (p. 39)**	From License Issuance and Acceptance to License Expiration

When flows are being released from Great Sacandaga Lake, the Regulating District will ensure that releases from Great Sacandaga Lake will allow Erie to provide a base flow and whitewater flows below the Stewarts Bridge Project, a minimum average daily flow below the confluence of the Hudson and Sacandaga Rivers, and a base flow below the Feeder Dam Project.

3.2.1 Level Curves

Four level curves have been developed to express the annual constraints on lake elevations in Great Sacandaga Lake. The four Level Curves are designated as follows:

- Level Curve 1 is considered the bottom of available storage; Great Sacandaga Lake may be drawn below this Level Curve only under circumstances detailed in this agreement; Level Curve 1 is defined as elevation 756 from May 1 through Labor Day, then linearly interpolated to 740 on October 15 and maintained at 740 feet through March 31 of the next year, and then linearly interpolated back to 756 on May 1;

- Level Curve 2 represents the top of buffer storage; buffer storage between Level Curves 1 and 2 is primarily reserved to augment flows on the Hudson and Sacandaga Rivers for water quality, and to provide whitewater flows;

- Level Curve 3 represents the annual Guide Curve the Regulating District will follow over the course of any given year, subject to balancing inflow to Great Sacandaga Lake with other operating constraints. Level Curve 3 represents the top of conservation storage. Storage between Level Curves 2 and 3 is used to augment flows on the Hudson and Sacandaga Rivers for water quality and power generation, as well as to provide white water flows.

- Level Curve 4 represents the top of the flood pool and is set at elevation 773 throughout the year; lake levels will approach this elevation only in accordance with the Regulating District's responsibility to utilize the storage capability of the lake to control flooding on the Hudson River.

The Settlement allows for a transition in Level Curve 3 from a targeted elevation for maximum winter drawdown of 748 at the time of license issuance, elevation 749 starting on June 2, 2010, and elevation 750 starting on June 2, 2020. Figures A through C show the Level Curves for each of the three time periods in the transition period.

Shown in Appendix E is a look-up table that shows the relationship between lake Level Curves and USGS datum for Great Sacandaga Lake elevations, including intermediate levels 1.2, 1.5, 2.5, etc., which pertain to operating guidelines herein.

3.3 Winter Drawdowns

During the winter, the maximum drawdown of Great Sacandaga Lake occurs typically in late March or April and the targeted elevations for maximum winter drawdown for Level Curve 3 are shown in Table A (p. 37). Under certain circumstances, the Regulating District will be allowed to operate Great Sacandaga Lake below the targeted elevation for maximum winter drawdown as described further below.

In all cases, drawdowns below the targeted elevation for maximum winter drawdown will be for the minimum duration necessary and the lake elevation will be restored above the target level as soon as possible after the circumstances requiring the drawdown have passed.

Under the following circumstances, prior notification to the NYSDEC will not be required for drawdowns below the targeted elevation for winter drawdown:

- Any emergency situations related to dam safety, human life and property, or rescue activities;
- The need for flow augmentation objectives as described in Subsection 3.4.

3.3.1 Consultation Requirements Prior to Drawdowns Below the Targeted Elevation for Maximum Winter Drawdowns

Under the following circumstances, consultation with NYSDEC will be required prior to drawdowns below the targeted elevation for winter drawdown:

- Maintenance, repair or reconstruction of the Conklingville Dam, for which NYSDEC approval will be required;

- Existence of a water equivalent of 8.6 inches at the first March snow survey may warrant the provision of more storage for flood control purposes. In the event that the water equivalent trigger is met, the Regulating District will consult, in advance of drawing the lake below the target elevation, with NYSDEC Regional Director for Region 5.

The Regulating District is required to implement the following notification and consultation steps prior to drawdowns below the targeted elevation for maximum winter drawdowns if circumstances described above warrant:

- The Regulating District must consult in advance with appropriate NYSDEC Region 5 staff, Fulton and Saratoga County staff, and Erie's staff regarding the need for drawdowns below the targeted elevation for maximum winter drawdowns for flood protection purposes, describing the need for the drawdown, the approximate drawdown level needed, and the approximate duration of the drawdown. It will be the responsibility of the NYSDEC to notify

the USFWS and APA of the request. To the extent possible, the decision on drawdown level will be determined by consensus of these parties. Documentation of consultation among the Regulating District, NYSDEC, Fulton and Saratoga Counties and Erie on the justification for the drawdown will be prepared and maintained on file by the Regulating District and NYSDEC, with a copy supplied to Erie and Fulton and Saratoga Counties within 30 days of the occurrence. In the absence of consensus, the Regulating District and NYSDEC will make the final determination on the level of drawdown.

- Advanced notification and consultation with appropriate NYSDEC, Fulton and Saratoga Counties and Erie staff will not be deemed necessary if it would impair the Regulating District's ability to address immediate dangers relating to dam safety, human life and property, or rescue activities. However, NYSDEC, Fulton and Saratoga Counties and Erie will be notified within 24 hours of the commencement of the drawdown and the related emergency. This notification will be followed within the subsequent 24 hours by submission to NYSDEC of a description of the need for the drawdown, any related emergency actions and the reasons why the situation is an emergency. Documentation of the notification will be maintained on file by the Regulating District and NYSDEC, with a copy supplied to Erie and Fulton and Saratoga Counties within 30 days of the occurrence.

3.4 Operation for Flow Augmentation

The Regulating District will allocate sufficient daily water volume releases from Great Sacandaga Lake to meet minimum average daily flow requirements on the Hudson River just below the confluence with the Sacandaga River and to help meet the 1,500 cfs instantaneous Hudson River base flow requirement below Feeder Dam. The Regulating District will use the minimum average daily flows shown in Tables B (p. 38) or C (p. 38), as adjusted in Section 3.4.2, to help meet these objectives.

3.4.1 Drawdown Exceptions to Level Curve 1

The Regulating District may draw Great Sacandaga Lake below Level Curve 1 only in accordance with the exceptions described herein. In all cases, drawdowns below Level Curve 1 will be for the minimum duration necessary and the lake elevation will be restored above Level Curve 1 as soon as possible after the circumstances requiring drawdown have passed. As soon as Great Sacandaga Lake rises above Level 1, Hudson River flows shall be restored per Table B or C and subsection 3.4.2, below, as applicable. Reasons for drawing below Level Curve 1 may include, but not necessarily be limited to the following:

- Maintenance, repair or reconstruction of the Conklingville Dam;
- Any emergency situations related to dam safety, human life and property, or rescue activities;
- The need for flow augmentation because of critical low flows in the Hudson River which adversely affect water quality conditions (see subsection 3.4.3 below for consultation procedures for drawdowns below Level Curve 1 for flow augmentation).

3.4.2 Drawdown Exceptions during the Champlain Canal Navigation Season

During the Champlain Canal Navigation Season (approximately May 1 through mid-November), if the elevation of Great Sacandaga Lake drops below level 1.2 (interpolated between Level Curves 1 and 2) and an interim minimum average daily flow has not been invoked per subsection 3.4.3 (see below), the minimum average daily flow on the Hudson River just below the confluence with the Sacandaga River (see row 1 of Table B or C, p. 38) shall be increased by the flow being diverted from the Hudson River to the Feeder Canal. The resulting minimum average daily flow will remain in effect until either Great Sacandaga Lake rises above level 1.2 or an interim minimum average daily flow is established per subsection 3.4.3.

3.4.3 Consultation on Drawdown Exceptions for Flow Augmentation

If the elevation of the Great Sacandaga Lake reaches Level 1.2 (interpolated between Level Curves 1 and 2) at any time and the lake elevation is continuing to drop, the Regulating District will, within 48 hours of the lake reaching Level 1.2, notify the NYSDEC. At any time between Memorial Day and Labor Day, the Regulating District shall also provide general, public notification in the event an emergency occurs that will require Great Sacandaga Lake to be drawn below level 1.2. Notification shall be provided within 48 hours following commencement of the emergency drawdown. Within seven working days of the lake reaching level 1.2, the NYSDEC and Regulating District will consult with Erie, the USFWS, the APA and Fulton and Saratoga Counties to establish an interim minimum average daily flow that will be invoked should the lake actually reach Level 1.0. To the extent possible, the decision on an interim minimum average daily flow shall be determined by consensus among the participants. In the absence of consensus, the NYSDEC will, within the seven-day period described above, make the final determination on the minimum average daily flow that will be invoked should the lake actually reach Level 1.0. As soon as the Lake rises above Level 1.0, the minimum average daily flow shall be restored as per Table B or C (p. 38), as applicable.

The NYSDEC, The Regulating District, and the consulted Parties shall consider the following factors in establishing the interim minimum average daily flow:

- The goal of minimizing the extent and duration of lake drawdown below Level Curve 1;
- Water quality conditions on the Hudson River at the time;
- Natural inflow to Great Sacandaga Lake
- Natural flow in the Hudson River above Hadley;
- Minimum base flow in the Sacandaga River;

- The quantity of flow being diverted from the Hudson River to the Feeder Canal;
- Other meteorological circumstances (*e.g.*, precipitation and temperature).

In the event an interim minimum average daily flow is implemented that may take Great Sacandaga Lake below Level Curve 1, periodic consultation shall occur thereafter for NYSDEC to determine whether changes in conditions warrant raising or lowering the interim minimum average daily flow. Consultation shall continue until Great Sacandaga Lake elevation is restored to above level 1.2.

3.5 Operation for Fall Recreation

To facilitate lake recreation through Columbus Day, the Regulating District will regulate Great Sacandaga Lake in accordance with Level Curve 3. A minimum lake elevation of 760 feet on October 15 as shown on Level Curve 3 is considered a target elevation, and the Regulating District may operate Great Sacandaga Lake below elevation 760 feet under the following conditions:

- to maintain flow augmentation needs on the Hudson River as a daily average of 1,760 cfs below Feeder Dam and an instantaneous flow of no less than1,500 cfs below Feeder Dam using the target flows shown on Tables B and C and the provisions of Subsection 3.4.2;
- to maintain Sacandaga River Base Flows;
- to maintain the whitewater demand schedule.
- to address other conditions as requested by NYSDEC.

3.6 Operation for Aggressive Use of Storage

For the purpose of minimizing energy losses to affected downstream hydroelectric projects, the Regulating District will make every reasonable attempt to limit water releases from the Great Sacandaga Lake to not exceed the target maximum flows in the

Hudson River below the confluence with the Sacandaga River, based on the relationship shown in Table D.

3.6.1 Exceptions to Operation for Aggressive Use of Storage

In cases where exceedance of the target maximum flows on the Hudson River is needed, the Regulating District will restore the Hudson River to below the maximum flows as soon as possible after circumstances requiring the exceedance have passed. Reasons for exceeding the maximum flows shown in Table D include, but are not limited to, the following:

- Maintenance, repair or reconstruction of the Conklingville Dam;
- Observation of lake elevations rising above elevation 771 and anticipation of unusual meteorological conditions that may result in flooding around Great Sacandaga Lake above Level Curve 4;
- Any emergency situations related to dam safety, human life and property, or rescue activities.

3.6.2 Consultation to Implement Exceptions to Operation for Aggressive Use of Storage

The following notification and consultation provisions for exceedance of target maximum flows in the Hudson River will be undertaken as circumstances warrant:

- The Regulating District will consult with appropriate NYSDEC Region 5 staff and Fulton and Saratoga Counties and downstream hydroelectric project owners and municipalities regarding the need to exceed the maximum flows shown on Table D. Consultation will include the need for the exceedance, estimation of the consequences to downstream properties and hydro facilities as a result of the exceedance, and an estimation of the approximate duration of the exceedance. Documentation of the consultation

will be maintained on file by the Regulating District, with copies to NYSDEC, Fulton and Saratoga Counties, Erie and affected downstream entities within 30 days.

- Consultation with NYSDEC, Fulton and Saratoga Counties and downstream hydroelectric project owners and municipalities will not be deemed necessary where consultation would impair the Regulating District's ability to address immediate dangers relating to dam safety, human life and property, or rescue activities. However, NYSDEC, Fulton and Saratoga Counties and affected downstream entities will be notified as soon as possible of the emergency situation and its expected duration. In such emergency circumstances, the Regulating District will prepare a report discussing the rationale and circumstances for exceeding the target flows. The report will be maintained on file by the Regulating District and copies will be provided to NYSDEC, Fulton and Saratoga Counties, Erie and affected downstream hydroelectric project owners and municipalities within 30 days of the occurrence.

3.7 Operation for Whitewater Recreation

For the purpose of enhancing whitewater recreation, the Regulating District will operate the Great Sacandaga Lake to provide the daily volume of water, if available, needed to sustain the whitewater demand flow in the Sacandaga River below Stewarts Bridge dam as provided in Section 5.5.1.4 of this settlement document.

3.8 Operation for Base Flows in the Sacandaga River

The Regulating District shall provide sufficient flow volumes to facilitate the release of an instantaneous base flow, beginning in 2013, to the Sacandaga River below the Stewarts Bridge Project as described in Section 5.3 below. In the event neither of the two

turbine/generator units at the E.J. West Project are operating, the Regulating District and Erie will cooperate to insure that base flows are maintained in the Sacandaga River without violating impoundment fluctuation restrictions at the Stewarts Bridge Project.

3.9 Interim Measures

Until the new license is issued and accepted, the Regulating District shall maintain status quo operation of the Great Sacandaga Lake with the exception of the following interim measures.

The Regulating District shall provide the following interim measures for a period not to exceed two years from the date this Settlement Offer is executed and filed with the FERC, and thereafter once a license has been issued and accepted.

3.9.1 Interim Operation of Great Sacandaga Lake for Fall Recreation

For interim enhancement to fall recreation, the Regulating District will strive to keep the Great Sacandaga Lake level at or above elevation 760 through October 15.

3.9.2 Interim Operation of Great Sacandaga Lake for Aggressive Use of Storage

To the extent practicable, the Regulating District will limit water releases from the Great Sacandaga Lake, to approach but not exceed the targeted maximum flows on the Hudson River below the confluence with the Sacandaga River based on the relationship shown in Table D.

Table A: Great Sacandaga Lake Target Elevation for Winter Maximum Drawdown	
Implementation Schedule	**Targeted Elevation for Maximum Drawdown**
From License Issuance and Acceptance[1] to June 1, 2010	748 feet
From June 2, 2010 through June 1, 2020	749 feet
From June 2, 2020 through License Expiration	750 feet

[1] For purposes of the settlement, the meaning of "license issuance and acceptance" is set forth in § 1.14.

Table B: Operation of Great Sacandaga Lake to Target Flow Augmentation Needs on the Hudson River Just Below the Confluence with the Sacandaga River (from License Issuance to June 1, 2013)	
Great Sacandaga Level	**Minimum average daily flow target on the Hudson River just below the confluence with the Sacandaga River (cfs)**
1.00- 1.19[1]	1,500[4]
1.20-1.50[2,3]	1,760
2.50-3.00[3]	2,250
3.50[3]	3,000
4.00[3]	4,000

Table C: Operation of Great Sacandaga Lake to Target Flow Augmentation Needs on the Hudson River Just Below the Confluence with the Sacandaga River (from June 2, 2013 to License Expiration)	
Great Sacandaga Level	**Minimum average daily flow on the Hudson River just below the confluence with the Sacandaga River (cfs)**
1.00-1.19[1]	1,500[4]
1.20-2.50[3]	1,760
3.00[3]	2,000
3.50[3]	3,000
4.00[3]	4,000

[1] NYSDEC and the Regulating District will confer in accordance with Section 3.4.2 to determine the appropriate flow that will be provided below Level Curve 1.00.

[2] For Levels above 1.50, the corresponding minimum average daily flow targets on the Hudson River exceed the 1,760 cfs required for water quality. The flow targets shown are designed to increase hydro operating efficiency at Hudson River hydro projects (*i.e.*, generation).

[3] Flows between specified ranges are to be interpolated.

[4] See exception at subsection 3.4.2.

Table D: Targeted Maximum Hudson River Flow Below the Confluence with the Sacandaga River	
Great Sacandaga Lake Elevation (feet)	**Targeted Maximum Flow on the Hudson River below the confluence with the Sacandaga River (cfs)**
735.00-755.00	6,000
755.01-769.00	8,000
769.99	10,000
770.00	20,000
773.00	26,000
776.0 and above	32,000
Note: For those GSL elevations not shown above, the targeted maximum allowable flow should be linearly interpolated.	

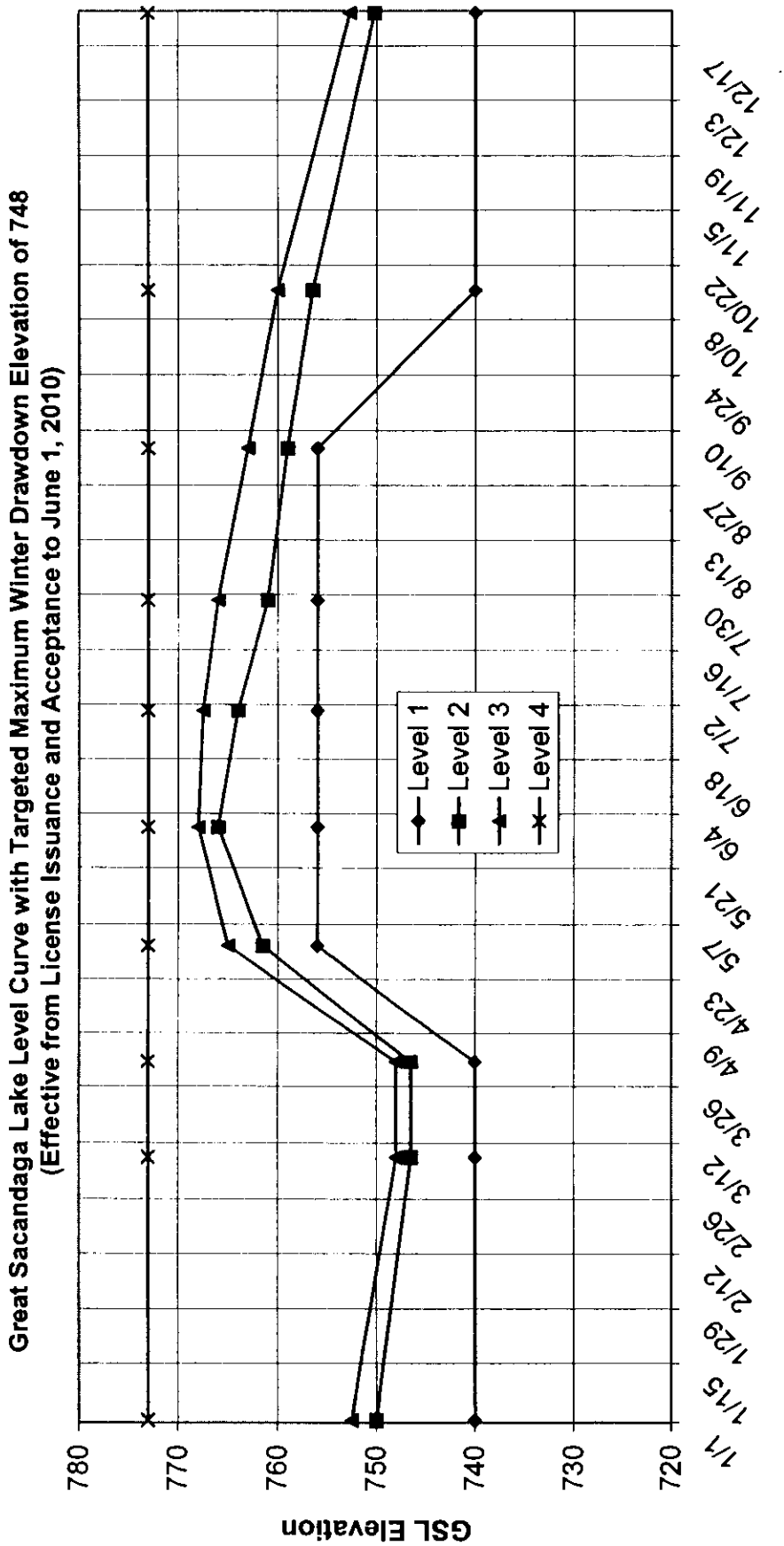


Figure A
Level Curves to be used by the
Regulating District to operate
Great Sacandaga Lake from License Issuance
and Acceptance to June 1, 2010.

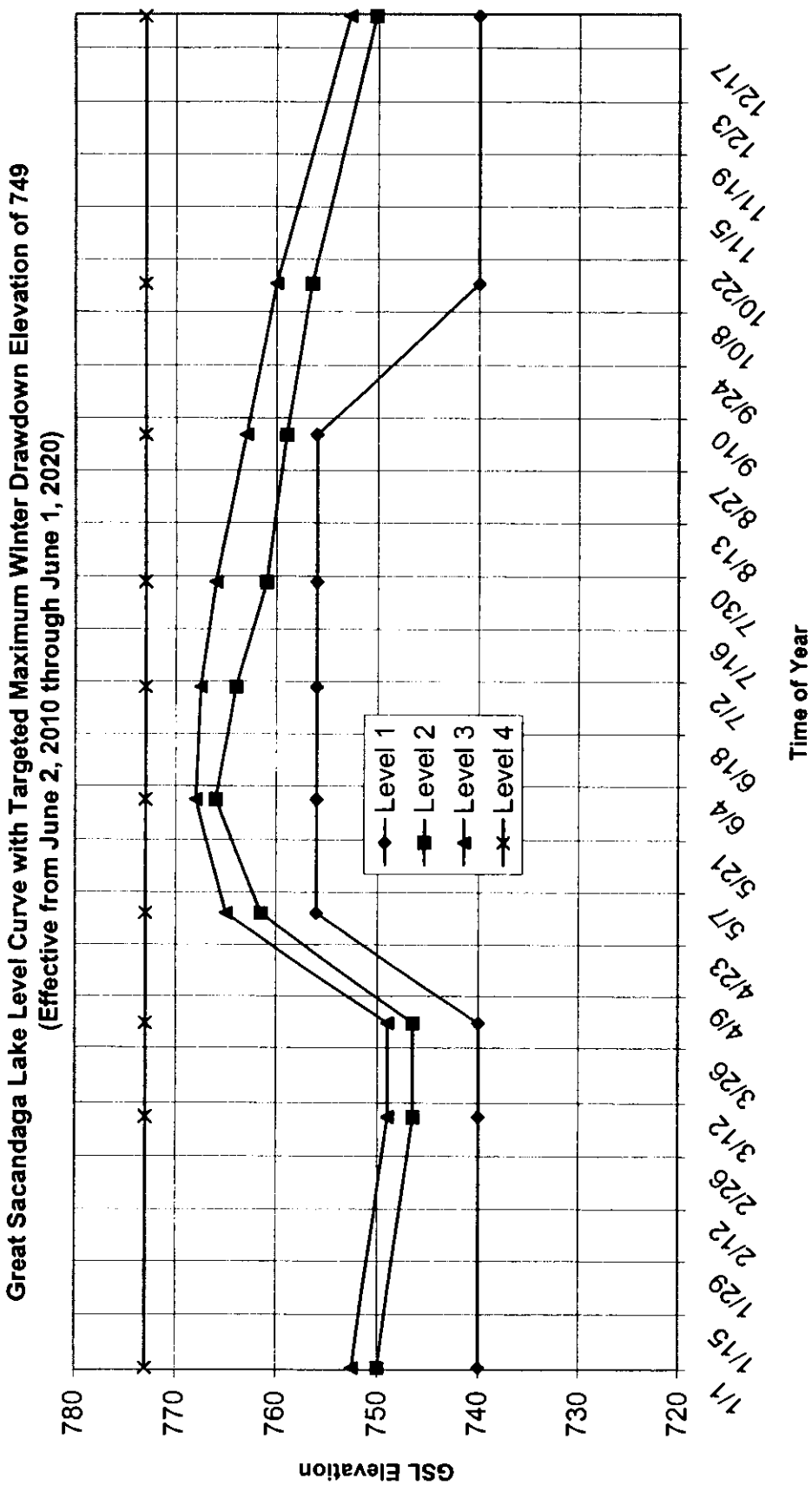


Figure B
Level Curves to be used by the
Regulating District to operate
Great Sacandaga Lake from June 2, 2010
through June 1, 2020

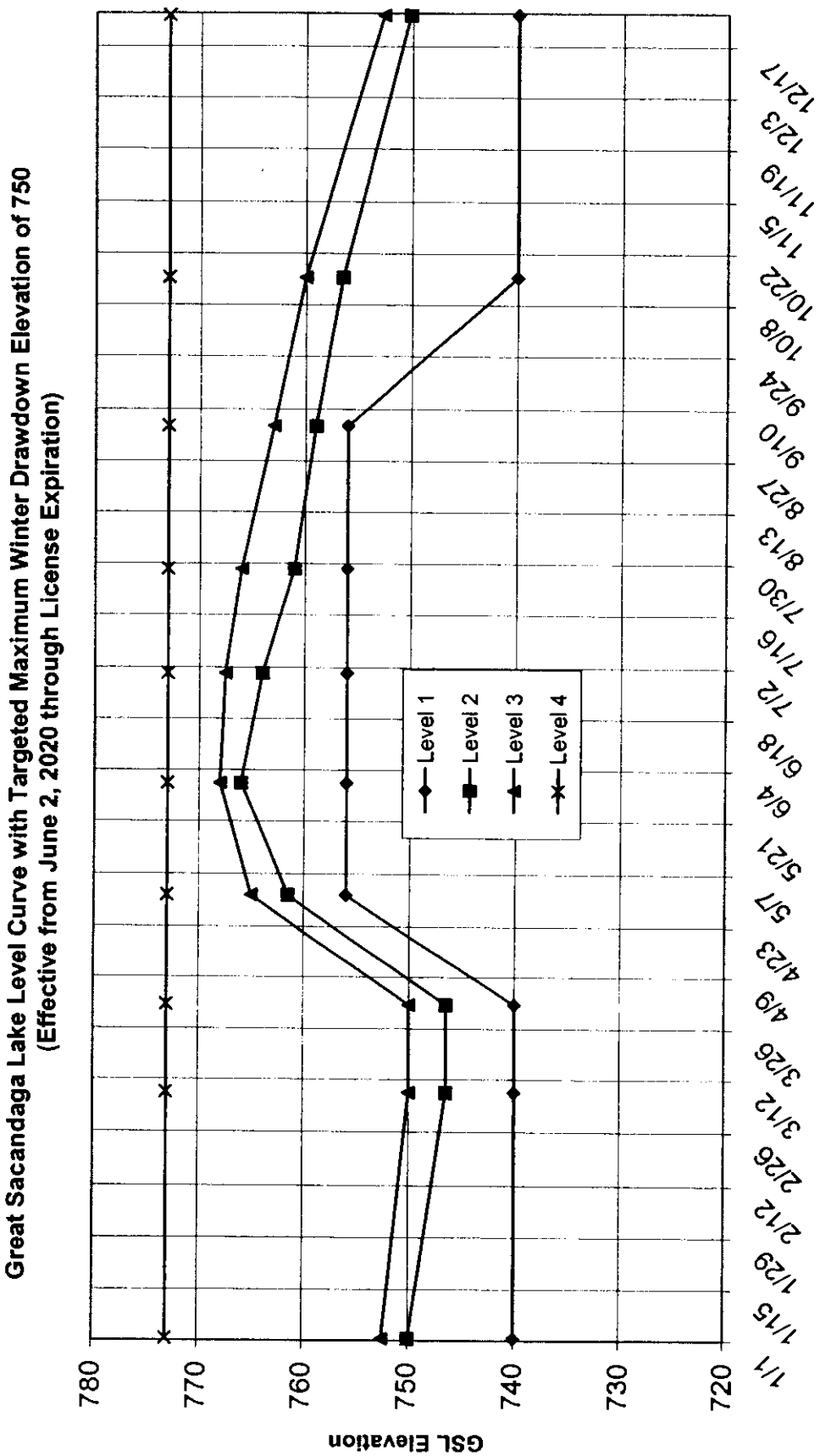


Figure C
Level Curves to be used by the
Regulating District to operate
Great Sacandaga Lake from June 2, 2020
through License Expiration

4.0 E. J. WEST PROJECT, FERC NO. 2318

The provisions of this Settlement Offer for enhancement measures at the E. J. West Project are summarized in Table 4.0-1.

Table 4.0-1
Summary of Settlement Offer/Enhancement Measures at the E.J. West Project

Issue	Description	Timeframe for Implementation
Fish Protection	Full 1" trashrack overlays.	2002*
Recreation Facilities	• Improve informal overlook on Route 4 • Portage around dam	Within 18 months of License Issuance & Acceptance

* Fish protection at E.J. West will be installed no later than 12/31/02, regardless of license issuance date.

4.1 Project Operation

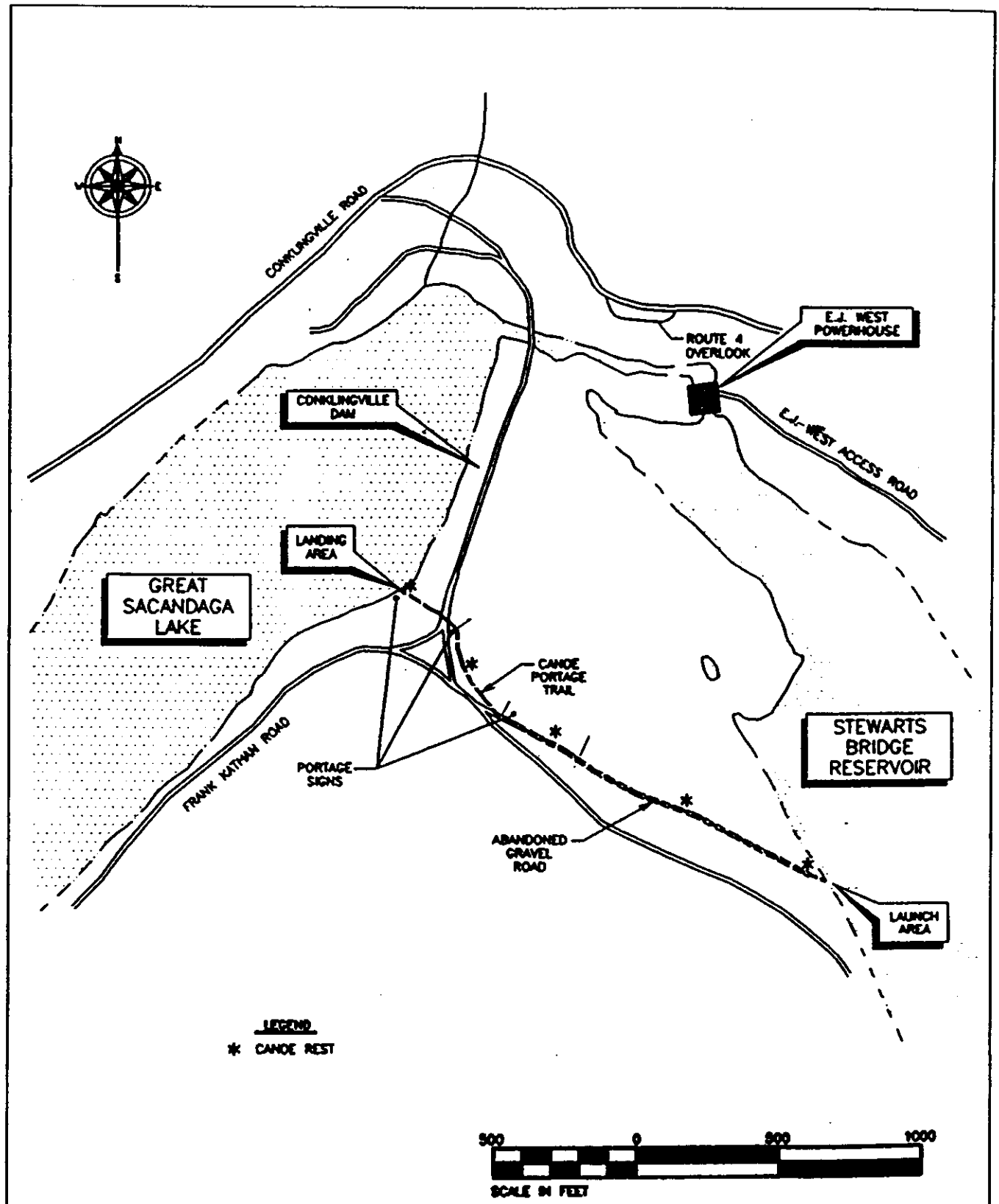
Erie will operate the E.J. West Project in a manner consistent with operation of Great Sacandaga Lake by the Regulating District and in a manner consistent with Erie's obligations for flow management below the Stewarts Bridge Project (see Section 5.3).

4.2 Fish Protection

In order to provide protection against entrainment and mortality of resident fish in Great Sacandaga Lake through the turbines of the project, Erie will install full trashrack overlays with a maximum clear spacing of one inch by December 31, 2002, regardless of the date of license issuance. Downstream movement facilities are not to be provided in order to maintain resident fish populations in the lake.

4.3 Recreational Facilities

Erie will provide a scenic overlook and a canoe portage within 18 months of the issuance and acceptance of a new license for the project as described below. See Figure 4.3-1 for diagrams of the proposed facilities.



NIAGARA MOHAWK

FIGURE 4.3-1

E.J. WEST RECREATION SITES

262-027-98-09 3/99

4.3.1 Route 4 Overlook

An informal pull-off and overlook, located on County Route 4 on land owned by Saratoga County, adjacent to Conklingville Dam, will be improved as described in Exhibit E.5(v)A.2.b of the Revised Application for New License (p. E.5-48). The existing pull-off will be paved, and interpretive signage will be added at the site, including a location map and appropriate text. The design and schedule for these improvements will be submitted to Saratoga County for review and approval prior to finalizing the design and submitting it to the Commission for approval.

Ownership and maintenance of the pull-off and overlook will remain with Saratoga County. These facilities are not to be included in the Project Boundary.

4.3.2 Portage Around Dam

A canoe portage trail around the south side of Conklingville Dam will be provided to link Great Sacandaga Lake with the Stewarts Bridge Reservoir, as described in Exhibit E.5(v)A.2.a. of the Revised Application for New License (p. E.5-43). The portage trail will be approximately 1,800 feet long. The portage trail, as well as the take-out and put-in landings, will be designed and located to minimize the potential for soil erosion. Signage will be provided to indicate the location of the take-out area. This portage trail will be largely on State lands administered by the Regulating District and partly on Erie's land within the project boundary for the Stewarts Bridge Project.

4.4 Relicensing Proposals Withdrawn

Provisions are included in the Stewarts Bridge agreements (see Section 5.4 below) to discourage intrusions on bald eagle wintering habitat during the winter. These provisions replace those formerly proposed for the E.J. West Project.

5.0 STEWARTS BRIDGE PROJECT, FERC NO. 2047

The provisions of this settlement offer for enhancement measures at the Stewarts Bridge Project are summarized in Table 5.0-1.

Erie will operate the Stewarts Bridge Project in a manner consistent with the operation of Great Sacandaga Lake by the Regulating District and in a manner consistent with Erie's obligations for flow management below the Stewarts Bridge Project, including the provision of base flows (Section 5.3 below) and whitewater flows (Section 5.5.1 below).

5.1 Reservoir Fluctuations

Upon license issuance and acceptance, and absent approval for alternative operations from NYSDEC, Erie will limit all normal daily drawdowns and fluctuations of the Stewarts Bridge Reservoir to a maximum of one foot (*i.e.*, between elevations 704.0 and 705.0 USGS). Erie will also discontinue the annual spring maintenance drawdown of approximately 15 feet upon license issuance and acceptance.

5.2 Fish Protection and Downstream Movement

In order to provide protection against entrainment of resident fish into the project turbines, Erie will install full trash racks overlays with maximum clear spacing of one inch in 2008. The date of installation may be changed on mutual consent of USFWS, NYSDEC and Erie. To afford a route of downstream movement for fish, Erie will discharge a continuous flow of 25 cfs through a modification to one of the Tainter gate sections, beginning at the time the overlays are installed. The 25 cfs fish movement flow will be considered a part of the base flow discharged from the project during non-generation periods (see Section 5.3 below).

5.3 Base Flows

Erie shall maintain an instantaneous base flow immediately below the Stewarts Bridge Dam based on the schedule shown in Table 5.3-1.

Table 5.0-1

Summary of Settlement Offer Measures at the Stewarts Bridge Project

Issue	Description	Timeframe for Implementation
Impoundment Fluctuation	1' daily 1/1 – 12/31 No annual drawdown for maintenance on E.J. West units.	Upon License Issuance & Acceptance
Sacandaga River Base Flows	GSL Elevation / Base Flow > 752 feet: 350 (349-351) cfs 749 – 752 feet: 300 (299-301) cfs < 749 feet: 300 (299-301) cfs or inflow, whichever is lower	01/01/13 to 06/01/20
	GSL Elevation / Base Flow > 752 feet: 350 (349-351) cfs 750 – 752 feet: 300 (299-301) cfs < 750 feet: 300 (299-301) cfs or inflow, whichever is lower	06/02/20 to license expiration
Fish Protection	Full 1" trashrack overlays.	2008
Downstream Fish Movement	25 cfs continually for passage, 1/1 – 12/31 Note: 25 cfs would be included in base flow during non-generating periods.	2008
Whitewater Program	Weekends June 1-22: GSL Level / Whitewater Hours 1.0-1.19: 0 1.2: 4 2.0: 5 2.75 and above: 6 Daily June 23-Sept. 8: GSL Level / Whitewater Hours 1.0-1.19: 0 1.2: 5 2.0: 7 2.35 and above: 8 Weekends September 9-23: GSL Level / Whitewater Hours 1.0-1.19: 0 1.2 -2.35: 3 3.0 and above: 6	Upon License Issuance & Acceptance
Project Recreation Facilities	• Whitewater releases and forecasting • Improve roads at reservoir recreation area • Portage down improved path, north side of dam • Parking signage along road for fishing access • Impoundment shoreline access • Complete reservoir side of canoe portage	Within 18 Months of License Issuance & Acceptance
Non-Project Recreation Facilities	• North Side Put-In/Parking Area • South Side Take-Out/Parking Area	Within 18 Months of License Issuance & Acceptance

Table 5.3-1. Base Flow Schedule for Stewarts Bridge	
Great Sacandaga Lake Elevation	**Base Flow (cfs)**
01/01/13 to 06/01/20	
Greater than or equal to elevation 752	350 (349-351)
Between elevation 749 and 752	300 (299-301)
Less than or equal to elevation 749	300 (299-301) cfs or inflow[1], whichever is less
06/02/20 to License Expiration	
Greater than or equal to elevation 752	350 (349-351)
Between elevation 750 and 752	300 (299-301)
Less than or equal to elevation 750	300 (299-301) cfs or inflow[1], whichever is less
Other Conditions: • If the Hudson River flow below the Sacandaga River confluence is greater than 25,000 cfs, then the base flow that must be achieved by release is 200 cfs.	

The base flow schedule in Table 5.3-1 shall be implemented by Erie on January 1, 2013, and shall continue throughout the remaining Stewarts Bridge license term. The base flow will include dam leakage and the fish passage flow so long as the measured flow immediately below the Stewarts Bridge Dam satisfies the criteria in Table 5.3-1.

The base flows shown in Table 5.3-1 are considered nominal flows such that the base flows will vary depending on the allowable one-foot fluctuation in headpond elevation. The base flow of 350 cfs is understood to vary between 349 cfs and 351 cfs. The base flow of 300 cfs is understood to vary between 299 and 301 cfs.

The drainage area difference between the outlet of Great Sacandaga Lake and the Stewarts Bridge outlet is approximately 11 square miles. Base flows can not always be provided from this limited incremental drainage area and there is limited useable storage at Stewarts Bridge. Therefore, the Regulating District shall operate Great Sacandaga Lake to ensure that a base flow at Stewarts Bridge is provided as required in Table 5.3-1. To ensure that each day's base flow requirement is met, the Regulating District shall allocate the necessary volume of water needed to meet the base flow.

[1] Inflow is measured at the Hope USGS gage and adjusted for drainage area only. The drainage area factor is equivalent to the drainage area at Conklingville Dam outlet (1,044 mi^2) divided by the drainage area at the Hope gage (491 mi^2) or 2.13. Inflow shall not be adjusted for lake evaporation.

The base flow mechanism at Stewarts Bridge will be automated and designed/operated to instantaneously provide the required base flow when the turbine/generator unit is not operating or there is an uncontrolled station outage.

5.4 Recreational Facilities

Erie will provide the recreational improvements and facilities described below as part of the project within 18 months of license issuance and acceptance. See Figures 5.4-1 and 5.4-2 for the recreation sites discussed below.

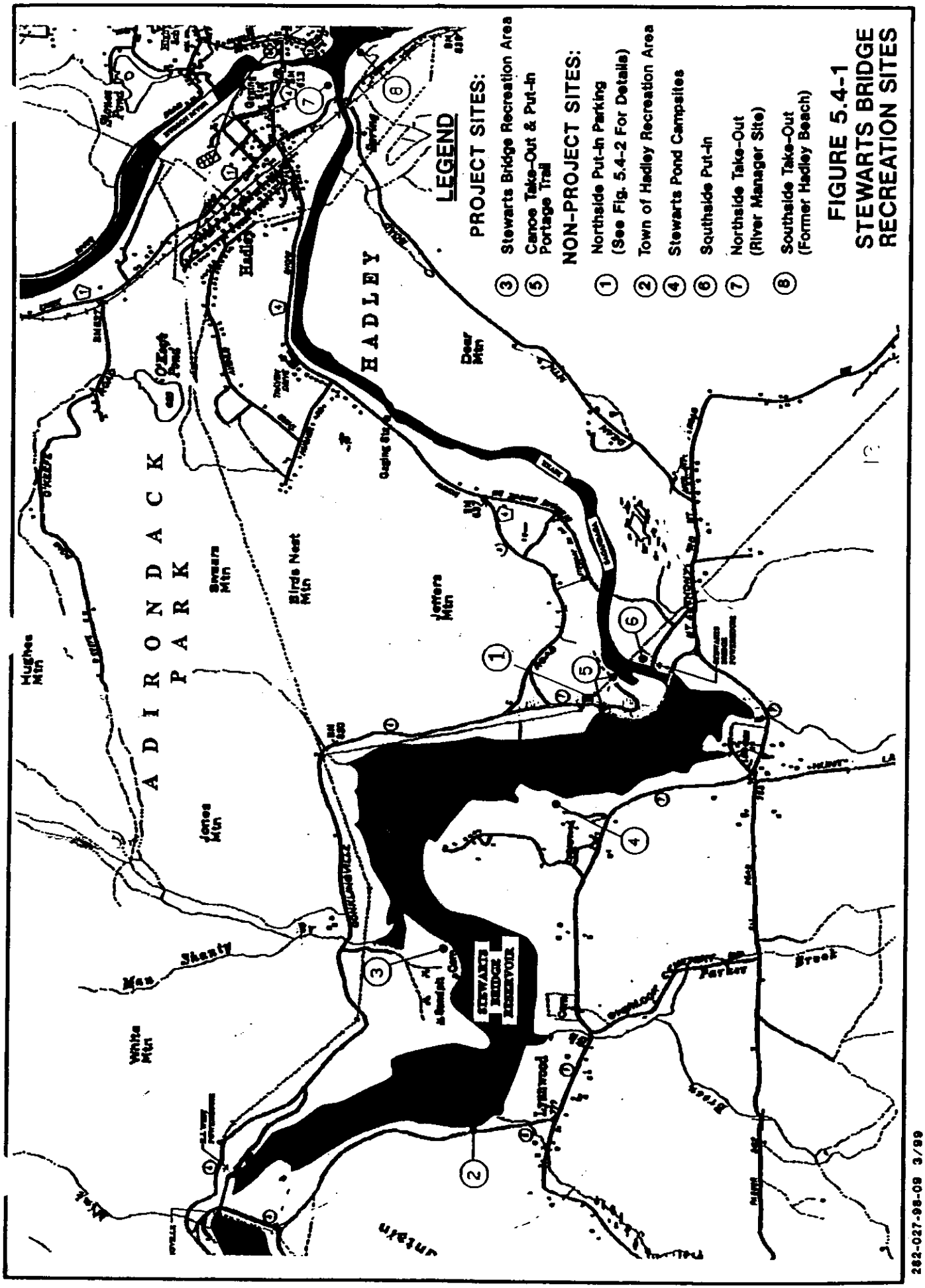
Erie will continue to permit public access to the shoreline of the Stewarts Bridge Impoundment across Erie's land where project facilities, hazardous areas and existing leases, easements and private ownership along the shoreline do not preclude it. During the winter, Erie will restrict access to the upper end of the Stewarts Bridge impoundment in order to protect bald eagle winter habitat (see Section 4.4 above).

5.4.1 Road Improvements at Reservoir Recreation Area

Erie will improve the road leading to the Stewarts Bridge Recreation area from County Route 4 by filling and regrading the road, and by increasing maintenance activities for the road and other facilities. New signage will be installed at the entrance on County Route 4 and new Americans With Disabilities Act (ADA) compliant picnic tables will be added to replace some of those damaged, destroyed or stolen. Erie will also request that the County Sheriff's Department increase police patrols of the Recreation Area.

5.4.2 Portage Facilities

Erie will improve the canoe portage trail running from the Stewarts Bridge pond take-out along County Route 7 at the reservoir's edge to the North Side Put-In Area described in section 5.5.2.2.1, which will serve both whitewater access and canoe portage purposes. Signage will be installed to mark the location of the Stewarts Bridge pond take-out and the North Side Put-In Area and access trail to the Sacandaga River below the dam to discourage use of the maintenance road


LEGEND
PROJECT SITES:
③ Stewarts Bridge Recreation Area
⑤ Canoe Take-Out & Put-In Portage Trail
NON-PROJECT SITES:
① Northside Put-In Parking (See Fig. 5.4-2 For Details)
② Town of Hadley Recreation Area
④ Stewarts Pond Campsites
⑥ Southside Put-In
⑦ Northside Take-Out (River Manager Site)
⑧ Southside Take-Out (Former Hadley Beach)
FIGURE 5.4-1
STEWARTS BRIDGE
RECREATION SITES
ADIRONDACK PARK
HADLEY
STEWARTS BRIDGE RESERVOIR
Hughes Mtn
Swears Mtn
Birds Nest Mtn
Jeffers Mtn
Dear Mtn
White Mtn
Shanty Brook
282-027-98-09 3/99

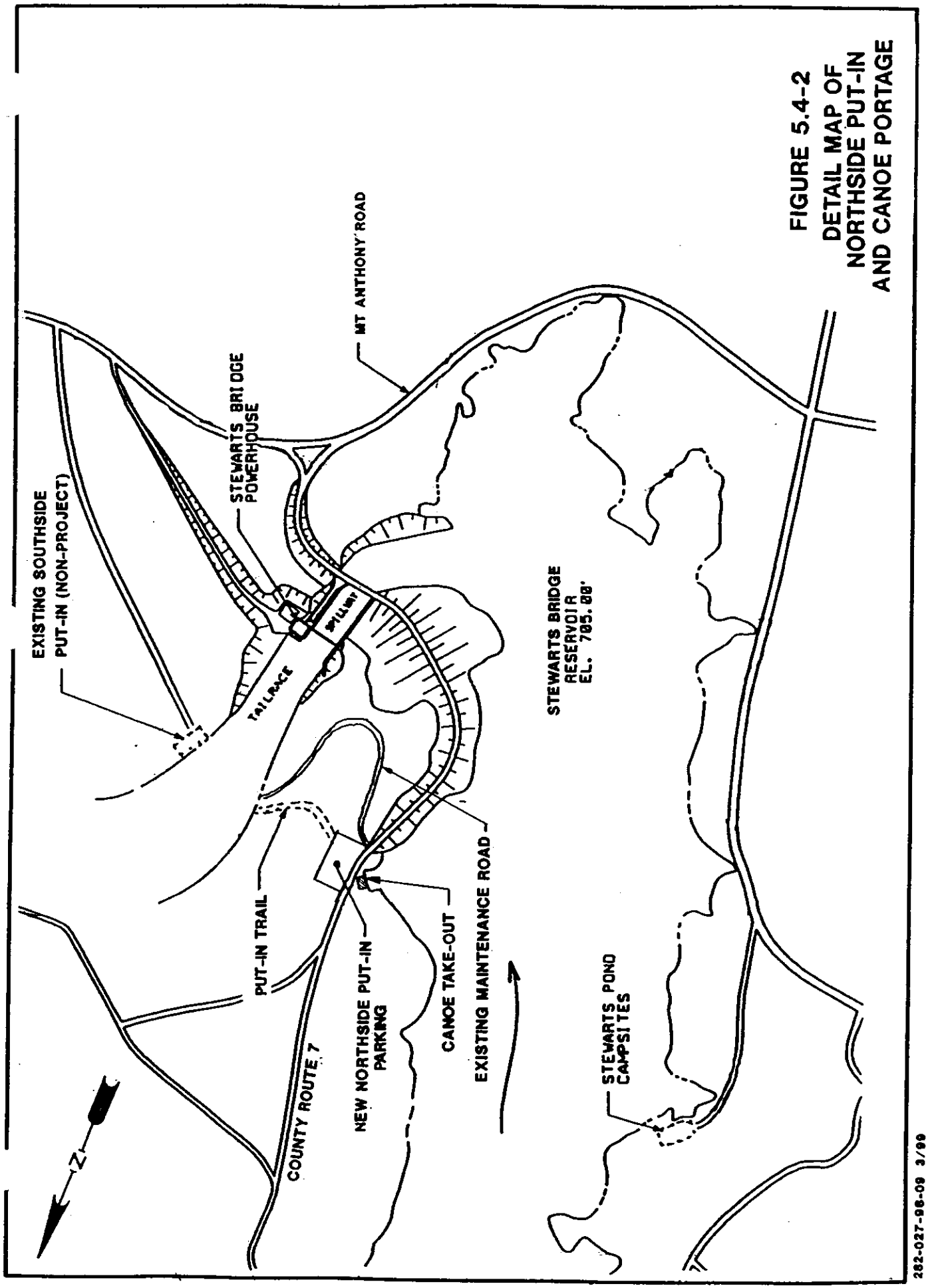


FIGURE 5.4-2
DETAIL MAP OF
NORTHSIDE PUT-IN
AND CANOE PORTAGE

that leads from Route 7 to the put-in area. See Figure 5.4-2 for details of Portage and Parking Facilities.

5.4.3 Parking for Fishing Access Along the Sacandaga River

Erie will provide signage along County Route 4 to indicate that parking along the road is for fisherman access to the river only and to indicate that access for whitewater boating should be only through the River Manager or at the North Side Put-In.

5.5 Whitewater Program Elements

The following discussion of elements of the Whitewater Program differentiate those features which are intended to be part of the Stewarts Bridge Project, and those which are intended to remain outside the project license as non-project features.

5.5.1 Project Features

The following components of the Whitewater Program will be initiated upon issuance and acceptance of a new license for the project. Signatories to this settlement offer agree that whitewater operations and flows defined in this settlement offer should be included in new licenses for the subject project. Signatories agree to work cooperatively in an effort to achieve this objective.

5.5.1.1 Flow Releases

Flow releases from the Stewarts Bridge powerhouse for purposes of the Whitewater Program are agreed to be 4,000 cfs, when available. Erie and/or the Regulating District shall have the right to change flow release schedules for the Whitewater Program under emergency circumstances. The Sacandaga Whitewater Advisory Council (see Section 8.2.4 below) may annually modify the schedule for pre-scheduled releases described in Section 5.5.1.3 below, consistent with the diverse goals and objectives of the Sacandaga Whitewater Recreation Area (SWRA). Such

schedule modifications by the Advisory Council shall not increase the number of weekday and weekend releases described in Section 5.5.1.3 below. Any modification to the pre-scheduled release plan by the Advisory Council shall be communicated to Erie and Regulating District prior to May 15 in each year when a modification is proposed.

5.5.1.2 Core Hours of Whitewater Releases

Erie shall provide daily Stewarts Bridge releases of approximately 4,000 cfs when available in accordance with the schedule shown in Table 5.5.1-1. Daily releases shall be continuous from start to finish such that there are no on/off cycles during a given day unless required for water quality releases. Releases shall be scheduled so as to cover the core hours from 11:00 a.m. to 2:00 p.m. subject to the constraints discussed in the paragraph below. For purposes of settlement, core hours means hours covered by operation. Core hours do not necessarily represent a mid-point of operations.

5.5.1.3 Prescheduled Releases

On one (1) Tuesday in June, two (2) Tuesdays in July and one (1) Tuesday in August [total of four (4) Tuesdays], Erie shall provide pre-scheduled releases of approximately 4,000 cfs from Stewarts Bridge from 11:00 a.m. to 6:00 p.m. so as to guarantee a minimum of four (4) late afternoon/early evening whitewater opportunities. If there is insufficient flow available to provide the pre-scheduled release, then it will be rescheduled for another weekday within the same whitewater season. Rescheduling of releases will not result in any more than two weekdays per month of these scheduled releases during the period June through August. Any rescheduled days over and above this will be scheduled in September of the same whitewater season.

On a total of four (4) Saturdays during the period of July 1 through August 31, Erie shall provide pre-scheduled releases of 4000 cfs from Stewarts Bridge from 11:00 a.m. to 5:30 p.m. to provide late afternoon whitewater opportunities for weekend users of the SWRA. If there is insufficient flow available to provide the pre-scheduled release, then it will be rescheduled for another Saturday within September of the same whitewater season.

Except as noted in the pre-scheduled releases listed above, Erie retains flexibility to schedule operations (releases) during the whitewater recreation period from 9:00 a.m. to 8:00 p.m., where practical, in accordance with forecasted peak market energy demands.

5.5.1.4 Whitewater Demand Schedule

Erie will provide whitewater flows of approximately 4,000 cfs for a guaranteed number of hours each day, which is contingent on the elevation of Great Sacandaga Lake as shown in Table 5.5.1-1. In general, the higher the lake elevation, the longer duration of whitewater flows. Alternatively, the lower the lake elevation, the fewer hours of whitewater flow. Table 5.5.1-1 describes the Whitewater Demand Schedule. The hours of whitewater flow in Table 5.5.1-1 shall be provided during the core hours as described in Section 5.5.1.2, except on those days where pre-scheduled releases (Section 5.5.1.3) occur. Water availability permitting, pre-scheduled releases will override the whitewater demand schedule in Table 5.5.1-1.

Table 5.5.1-1: Sacandaga River Whitewater Demand Schedule

June 1- June 22, Weekends only		June 23-September 8 Daily		September 9-September 23, weekends only	
GSL Level and Elevations	WW Hrs	GSL Level and Elevations	WW Hrs	GSL Level and Elevations	WW Hrs
1.00 - 1.19	None	1.00 - 1.19	none	1.00 - 1.19	none
1.20	4 hours	1.20	5 hours	1.20	3 hours
2.00	5 hours	2.00	7 hours	2.35	3 hours
2.75 and above	6 hours	2.35 and above	8 hours	3.00 and above	6 hours

5.5.1.5 Whitewater Flow Forecasting

To enable whitewater paddlers to gage their plans for whitewater paddling on the Sacandaga River, Erie will provide information on flow forecasts and pre-scheduled releases that will be made publicly available via a toll-free telephone number and a local phone line one week in advance of the release. Erie shall provide forecasts on a day ahead basis and provisionally on a two-day ahead basis. Information on flow forecasts and pre-scheduled releases will be posted on a Web site by Erie a minimum of two weeks in advance of the release.

5.5.2 Non-Project Features

The following features of the Whitewater Program will be developed as described below, but are not intended to be a part of the Stewarts Bridge Project license.

5.5.2.1 River Manager Program

The River Manager Program, an independent, self-supporting private enterprise, which coordinates and manages the commercial whitewater rafting activities, and operates the South Side Put-in and North Side Take-out and parking facilities, as well as the shuttle service, will continue to operate in its current form. The facilities and operations of the River Manager Program are to be omitted entirely from the new license for the Stewarts Bridge Project.

5.5.2.2 Non-Commercial Facilities

The following physical facilities will be constructed by Erie, at a cost not to exceed $50,000, in support of the Whitewater Program within 18 months of issuance and acceptance of a new license for the Stewarts Bridge Project.

5.5.2.2.1 North Side Put-In Area

Subject to the funding limits stated in Section 8.3.4, Erie will construct a put-in area on the north side of the Sacandaga River at a location immediately east of County Road 7 (Stewarts Bridge Road) near the existing Niagara Mohawk transmission line. The put-in area will consist of a parking area and trail to link the parking area with the improved canoe portage trail. Erie will consult with NYSDEC (who in turn will consult with ADK at a minimum) prior to design and construction of the put-in. Specific provisions for the North Side Put-In Area are as follows:

- The parking area will be designed and managed to prohibit parking by buses and vehicles with trailers (*i.e.*, commercial vehicles). Saratoga County will be requested to post signs along County Route 7 to prohibit parking along the roadway.
- The parking area will provide capacity for no more than 25 vehicles (including cars and trucks) with the ultimate parking capacity being defined by site constraints.
- After construction of the put-in facilities, the State will take donation of fee ownership and will assume liability commensurate with ownership. Where necessary to avoid conflict with Erie's project boundary or project facilities, the State will receive necessary easements from Erie and will assume liability as if the easement were held in fee.
- These facilities will remain closed and operation will not begin until the transfer to the State is consummated. Upon transfer of the put-in facilities

to the State, maintenance of the facilities will become the responsibility of the State. The State will work diligently to secure necessary property rights.

- Signage will be erected and maintained at the parking area to a) direct boaters to the designated north side whitewater access site, b) advise boaters of the availability of a commercial shuttle service (if available), and c) provide appropriate messages which insure that the public is forewarned of the hazards and recommended whitewater precautionary safety measures.
- The access trail will be located with the assistance of Erie's operational personnel to prevent conflict with project monitoring equipment in the vicinity of Stewarts Bridge Dam.
- Existing "No Whitewater Access" signs will be used at locations other than the designated north and south side put-ins.

Upon completion of construction, Erie shall convey the facilities and fee title to the State together with sufficient easements to enable the State to control access to and operate the facilities. Upon conveyance of facilities and the associated interests in land, the affected area shall be excluded from the project boundary and Erie shall have no further responsibility with respect to the operation and maintenance of the facilities.

5.5.2.2.2 South Side Take-Out Area

Subject to the funding limits stated in Section 8.3.4, Erie will develop a take-out area at the site of the former Hadley Town Beach on the right bank of the Hudson River just downstream of the mouth of the Sacandaga River. Development of the site will include improvements to the gravel access road to provide parking space for 12 – 15 vehicles. To the extent possible, improvements will be designed so that the parking area is not visible from the river. Erie will consult with NYSDEC (who in turn will consult with ADK at a minimum) prior to the design and construction of the take-out area. Specific provisions for the South Side Take-Out area are as follows:

- The parking area will be designed and managed to prohibit parking by buses and vehicles with trailers (*i.e.*, commercial vehicles).
- Following development of the take-out area, the State will take ownership of the facilities and will assume liability commensurate with ownership. Lands needed for the South Side Take-Out are expected to be part of land acquisition by the State through Open Space Institute funding arrangements.
- These facilities will remain closed and operation of these facilities will not begin until the transfer to the State is consummated. Upon transfer of the facilities to the State, maintenance of the facilities will become the responsibility of the State. The State will work diligently to secure necessary property rights.

Upon completion of construction, Erie (Licensee funding the facilities) and NMPC (current owner of the affected lands), shall, respectively, convey the facilities and fee title to the State together with sufficient easements to enable the State to control access to and operate the facilities. The lands on which these facilities are to be constructed are not within the existing project boundary and are not to be included in the project boundary for a new license for the Stewarts Bridge Project. Upon conveyance of facilities and the associated interests in land, Erie and NMPC shall have no further responsibility with respect to the operation or maintenance of the facilities.

5.5.2.3 Commercial Facilities

5.5.2.3.1 South Side Put-In Area

Erie will continue operation and maintenance of the existing South Side Put-In Area through the River Manager Program as a whitewater access recreation area, including all infrastructure, for the life of a new license, except that Erie may sell or otherwise transfer the site to a private whitewater entity during the term of license. If the facility is offered for sale to any entity other than a transferee of the license, or to a private whitewater entity executing this Settlement Offer, the State shall have the continuing right of first refusal to purchase the site.

This area shall not, however, become part of a new license for the Stewarts Bridge Project.

5.5.2.3.2 North Side Take-Out Area

Erie will continue the operation and maintenance of the existing North Side Take-Out Area through the River Manager

Program for the life of any new license, except that Erie may sell or lease the site, including all infrastructure and responsibility for operation and maintenance, to a private whitewater entity during the term of license. If the North Side Take-Out Area is offered for sale to any entity other than a transferee of the license, or to a private whitewater entity executing this Settlement Offer, the State shall have the continuing right of first refusal to purchase the site. Regardless of ownership of the site, this Settlement Offer includes documentation of the minimum requirements for continuing ownership, operation and maintenance of the site as Appendix F. These requirements are to be included in any River Manager Contract, and in any lease, deed, easement or covenant for the property.

This area shall not, however, become part of a new license for the Stewarts Bridge Project.

6.0 HUDSON RIVER PROJECT, FERC NO. 2482

The provisions of this settlement offer for enhancement measures at the Hudson River Project are summarized in Tables 6.0-1 and 6.0-2.

Erie will operate the Hudson River Project in a manner consistent with operation of Great Sacandaga Lake by The Regulating District and in a manner consistent with Erie's obligations for flow management below the Feeder Dam Project (see Section 7.3).

Table 6.0-1
Summary of Settlement Offer Measures at the Spier Falls Development

Issue	Description	Timeframe for Implementation
Impoundment Fluctuation	1' daily from about 3/15 – 6/15 for fish spawning* 2' daily remainder of the year * The actual start date will depend on water temperatures for walleye spawning (see Section 1.14).	Upon License Issuance & Acceptance
Fish Protection	Full 1" trashrack overlays.	2010
Downstream Fish Movement	25 cfs continually for passage, 1/1 – 12/31	2010
Project Recreation Facilities	• Low angle access path for handicapped boat access • Canoe portage • Improve existing boat launch • Shoreline access to FERC boundary property • Impoundment campsites	Within 18 Months of License Issuance & Acceptance

Table 6.0-2
Summary of Settlement Offer Measures at the Sherman Island Development

Issue	Description	Timeframe for Implementation
Impoundment Fluctuation	1' daily from about 3/15 – 6/15 for fish spawning* 2' daily remainder of the year * The actual start date will depend on water temperatures for walleye spawning (see Section 1.14).	Upon License Issuance & Acceptance
	Inclusion of a partial rubber dam	Within 18 Months of License Issuance and Acceptance
Bypass Flows	Channel / Flow / Period North/South (Combined) 675 (672-678) cfs Walleye Spawning Period* *The duration of spawning flows for walleye will be temperature dependent in accordance with NYSDEC's Definition of Walleye Spawning Season (see Section 1.14).	First Walleye Spawning Season after License Issuance and Acceptance
	North 100 (99-101) cfs year round South 150 (148-152) cfs year round	Within 18 Months of License Issuance and Acceptance
Fish Protection	Full 1" trashrack overlays.	2006
Downstream Fish Movement	25 cfs continually for passage, 1/1 – 12/31	2006
Project Recreation Facilities	• Low angle access path for handicapped at boat access • Canoe portage • Island campsites • Shoreline access to FERC boundary property • Fishing access to bypass • Improve existing Sherman Island boat launch • Privies at Sherman Island boat launch on a trial basis	Within 18 Months of License Issuance & Acceptance
Non-Project Recreation Facilities	• Town of Queensbury boat launch	Not Part of New License

6.1 Impoundment Fluctuations

The following provisions to reduce impoundment fluctuations will be initiated upon issuance and acceptance of the new license for the project. Erie will consult with the NYSDEC and USFWS prior to the first walleye spawning season following license issuance to determine the location(s) for monitoring water temperatures to be used to define the beginning and end of walleye spawning season.

6.1.1 Spier Falls Development

During the spawning period for walleye and other fish, from the start of walleye spawning (about March 15) until June 15 of each year, daily impoundment fluctuations will be limited to one foot (between elevations 435.8 and 436.8 USGS). The actual start date for limitations on impoundment fluctuation will depend on water temperatures for walleye spawning in accordance with NYSDEC's Definition of Walleye Spawning Season (see Section 1.14).

During the remainder of the year, daily impoundment fluctuations will be limited to two feet (between elevations 434.8 and 436.8 USGS).

6.1.2 Sherman Island Development

During the spawning period for walleye and other fish, from the start of walleye spawning (about March 15) until June 15 of each year, daily impoundment fluctuations will be limited to one foot (between elevations 352.3 and 353.3 USGS). The actual start date for limitations on impoundment fluctuation will depend on water temperatures for walleye spawning in accordance with NYSDEC's Definition of Walleye Spawning Season (see Section 1.14).

During the remainder of the year, daily impoundment fluctuations will be limited to two feet (between elevations 351.3 and 353.3 USGS).

6.1.2.1 Partial Pneumatic Flashboards

Within 18 months of license issuance and acceptance, Erie will install pneumatic flashboards on the straight section of the spillway near the non-overflow section of the Sherman Island Dam to facilitate pond level control. The pneumatic flashboard section will be designed to allow the 10-year flood to pass the dam without failing the remaining wooden flashboard sections. Whenever replacement of the wooden flashboards becomes necessary due to failure of these flashboards, Erie will first consult with the NYSDEC regarding the scheduling of flashboard replacement. Erie will work diligently to start and complete the installation of replacement flashboards as quickly as possible either before the onset of walleye spawning (defined in subsection 1.14) or after June 15 (the end of the spawning period for other fish). During the interval of time between the onset of walleye spawning and June 15, NYSDEC and Erie may, after consultation, agree upon an alternate schedule for flashboard replacement (for the given year only).

Until flashboard reinstallation begins, Erie will maintain a maximum daily operational drawdown of 6 inches below the Sherman Island spillway crest elevation (349.6 ft. USGS). A special exception to permit a maximum drawdown to 1.0 feet below spillway crest elevation is allowed for those hours when people are to be actually working on the dam crest installing flashboards. Once flashboard installation is complete, normal operations will resume.

6.2 Fish Protection and Downstream Movement

In order to provide protection against entrainment of fish into the project turbines, and to afford routes of downstream movement, Erie will provide the following facilities in the timeframes identified.

6.2.1 Spier Falls Development

Erie will install full trash rack overlays with maximum clear spacing of one inch in 2010. The date of installation may be changed on mutual consent of USFWS, NYSDEC and Erie. To afford a route of downstream passage for fish, Erie will discharge a continuous flow of 25 cfs through modifications to the existing trash sluice, beginning at the time overlays are installed.

6.2.2 Sherman Island Development

Erie will install full trashrack overlays with maximum clear spacing of one inch in 2006. The date of installation may be changed on mutual consent of USFWS, NYSDEC and Erie. To afford a route of downstream passage for fish, Erie will discharge a continuous flow of 25 cfs through modifications to the existing ice sluice located adjacent to the powerhouse, beginning at the time overlays are installed.

6.3 Minimum Flows

Within 18 months of license issuance and acceptance, unless otherwise noted, Erie will provide the following minimum flows.

6.3.1 Spier Falls Development

No minimum flows are required at the Spier Falls Development, except as part of provisions for fish movement.

6.3.2 Sherman Island Development

Minimum flows will be discharged from the current intake structure at the south end of the buttress dam, non-overflow section. The minimum flow discharge facility will be designed to limit injury to fish passing through it.

The minimum flow from the intake structure discharge will be diverted through the north and south channels by the use of a submerged weir placed across the present north channel where most of the spillage currently flows. This weir will be high enough to raise the water surface needed for spillage into the north channel to overcome the hydraulic control that is restricting water from the south channel. The exact configuration such as location, size and shape of the weir will be determined after all the parameters on the direction of flow are finalized. This diversion weir would need to be constructed of a durable material because it would be exposed to severe hydraulic loads and site conditions. The final design will need to consider all potential foundation problems such as scouring, piping (i.e., water flow under the wall) and sufficient bearing strength to prevent wall tipping and settlement. The weir will be maintained for the life of the license.

It is understood that the minimum flows listed below are nominal flows such that actual flows will vary depending on the allowable fluctuation in headpond elevation (one foot during walleye spawning and two feet otherwise). The variance in minimum flows is indicated in parentheses below.

6.3.2.1 North Channel

A minimum flow of 100 cfs (varying between 99 and 101 cfs) will be provided in the North Channel throughout the year (see Section 6.3.2.3).

6.3.2.2 South Channel

A minimum flow of 150 cfs (varying between 148 and 152 cfs) will be provided in the South Channel throughout the year (see Section 6.3.2.3).

6.3.2.3 North and South Channels during Walleye Spawning

A minimum flow of 675 cfs (varying between 672 and 678 cfs) will be discharged into the combined North and South Channels of the bypass to facilitate walleye spawning. The year round minimum flows in the North and South Channels will be increased during walleye spawning season so that the combined flows are no less than 675 cfs. Walleye spawning flows will be discharged for the first walleye spawning season following license issuance and acceptance. Walleye spawning is water temperature dependent and the spawning flow will commence sometime after March 15 and last until sometime in May or early June in accordance with NYSDEC's Definition of Walleye Spawning Season (see Section 1.14). Erie will consult with the NYSDEC and USFWS prior to the first walleye spawning season following license issuance to determine the location(s) for monitoring water temperatures to be used to define the beginning and end of walleye spawning season.

6.4 Recreational Facilities

Erie will provide the recreational improvements described below within 18 months of issuance and acceptance of a new license, except as noted in Section 6.4.2.5 (Town of Queensbury Boat Launch). See Figures 6.4-1 and 6.4-2 for diagrams of the recreational facilities.

Erie will continue to permit public access to the shoreline of the Spier Falls and Sherman Island developments across Erie's land where project facilities, hazardous areas

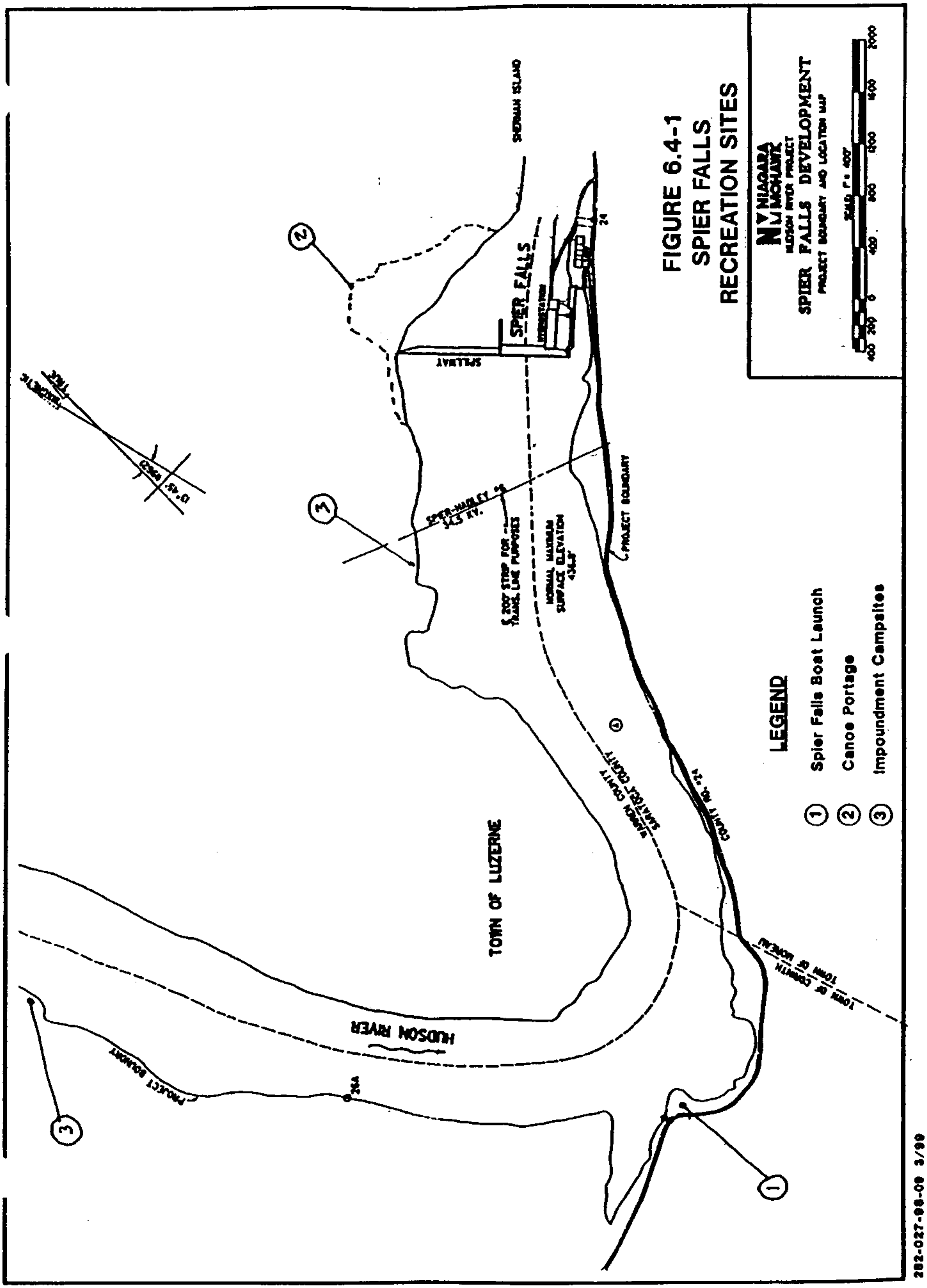


FIGURE 6.4-1
SPIER FALLS
RECREATION SITES
NIAGARA MOHAWK
HUDSON RIVER PROJECT
SPIER FALLS DEVELOPMENT
PROJECT BOUNDARY AND LOCATION MAP
LEGEND
1 Spier Falls Boat Launch
2 Canoe Portage
3 Impoundment Campsites
SHERMAN ISLAND
SPILLWAY
SPIER FALLS
PROJECT BOUNDARY
NORMAL MAXIMUM SURFACE ELEVATION
TOWN OF LUZERNE
HUDSON RIVER
WARREN COUNTY
SARATOGA COUNTY
TOWN OF CORINTH
TOWN OF MOREAU
TRUE
MAGNETIC
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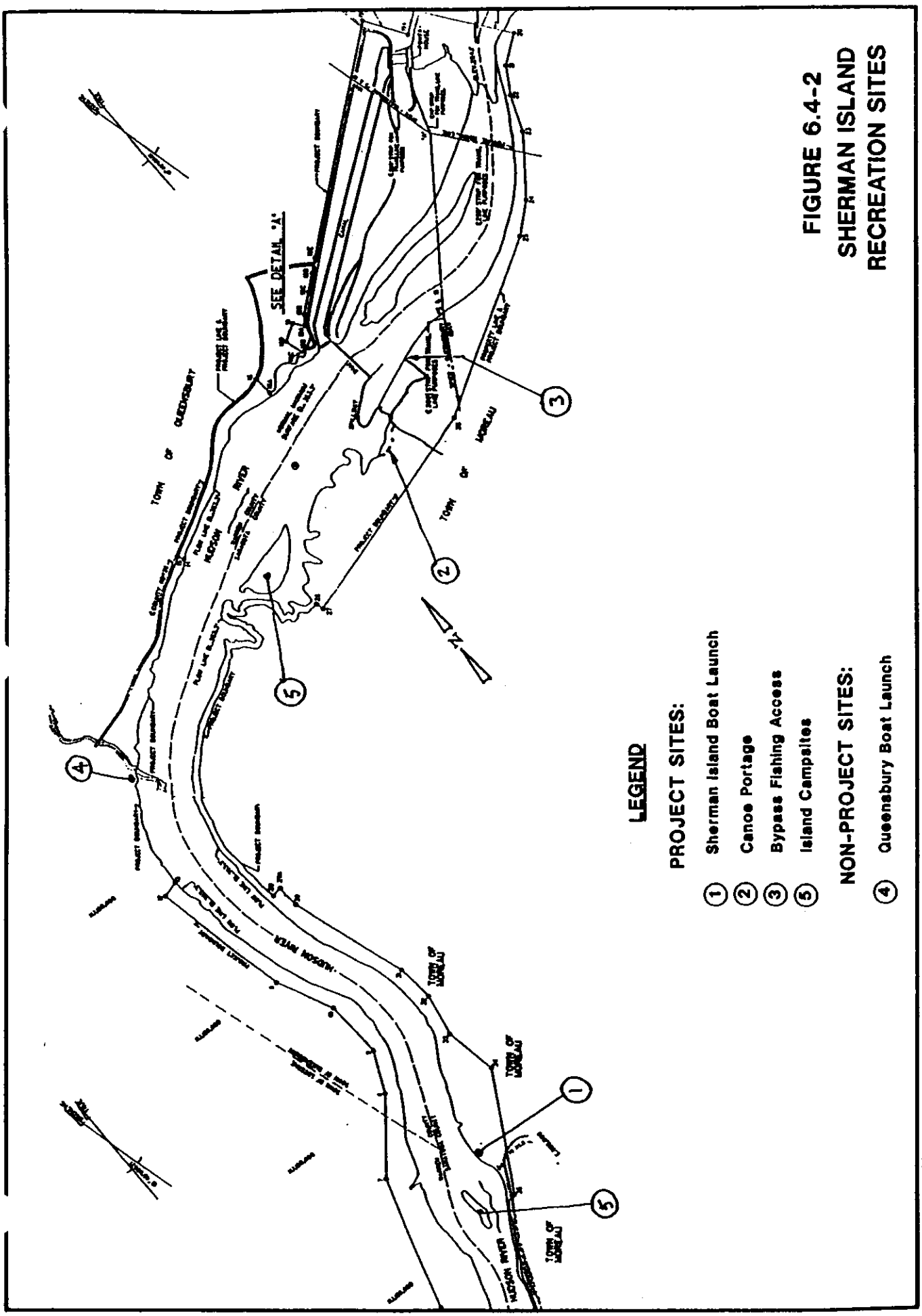


FIGURE 6.4-2
SHERMAN ISLAND
RECREATION SITES

and existing leases, easements and private ownership along the shoreline do not preclude it.

6.4.1 Spier Falls Development

See Figure 6.4-1 for location of recreational sites.

6.4.1.1 Improvements to Existing Boat Launch

Erie will develop improvements to the existing Spier Falls boat launch on the right bank of the river. The improvements are intended to cause only slight expansion of the site to accommodate an expanded picnic area. Parking space for disabled persons will be added, along with a low angle access trail to the picnic area and water's edge for wheelchair use. New picnic tables will be added, at least one of which will be ADA compliant. The boat launch area at the water will be regraded to a gentler slope if there is sufficient space.

6.4.1.2 Canoe Portage

Erie will develop a canoe portage trail around the north side (left bank) of the dam. Put-in and take-out areas, as well as the clearing of the trail, will be undertaken to minimize ground disturbance and the potential for soil erosion. Signage will be erected at the water's edge to signify the location of the take-out. The canoe portage facilities are described in detail in NMPC's November 1993 response to FERC's August 28, 1992 Additional Information Request (AIR).

6.4.1.3 Impoundment Campsites

Erie will work with the New York State Office of Parks, Recreation and Historic Preservation (NYSOPRHP) to design and develop two campsites on the impoundment for water access. The design concept

for these sites includes minimal ground disturbance, location of a fire ring and a canoe pull-out area at the water's edge. Preliminary design concepts were presented in Niagara Mohawk's November 1993 AIR response.

6.4.2 Sherman Island Development

See Figure 6.4-2 for location of recreational sites.

6.4.2.1 Improvements to Existing Boat Launch

Erie will develop new facilities at the existing Sherman Island boat launch on the right bank of the river. Parking and traffic flow at the site will be improved, and a parking space for disabled persons will be added. A low angle access trail to the water's edge and picnic area will be added, along with additional picnic tables, of which at least one will be ADA compliant. Privies will be installed at the boat launch on a trial basis.

6.4.2.2 Canoe Portage

Erie will develop a canoe portage on the south side (right bank) of the Sherman Island dam. Put-in and take-out areas, as well as clearing of the trail, will be undertaken to minimize ground disturbance.

Appropriate signage will be erected at the water's edge upstream of the take-out to signify its location. Canoe portage facilities are described in detail in NMPC's November 1993 AIR response.

6.4.2.3 Island Campsites

Erie will design and develop two campsites at Sherman Island. The design concept, as presented in NMPC's November 1993 AIR response, includes minimal ground disturbance and a fire ring, and a boat pull-out area at each site.

6.4.2.4 Fishing Access to Bypass

Erie will develop a parking area for four cars off Potter Road with a foot trail leading along the existing maintenance road to the Sherman Island bypass (right bank). It is planned to design the location of these facilities to coincide with public road improvements planned and proposed for the Potter Road Residential Subdivision being pursued by Niagara Mohawk, owner of lands in this vicinity. If the Potter Road Residential Subdivision is implemented, the parking area will be next to Erie's maintenance road gate, and Erie and Niagara Mohawk will make appropriate changes to the project boundary to exclude the Potter Road Residential Subdivision. If the Potter Road Residential Subdivision is not implemented, the parking area will be along the existing Potter Road entrance to the project boundary and the access trail will be extended to the parking area.

6.4.2.5 Town of Queensbury Boat Launch (Non-Project Facility)

Erie will cooperate with the Town of Queensbury and others as needed to develop a new boat launch on Erie's property on the north shore (left bank) of the Sherman Island Impoundment. Erie will not be required to actually undertake development; however, Erie will lease the land underlying the boat launch to the Town of Queensbury.

This area shall not, however, become part of a new license for the Hudson River Project.

6.5 New Project Facilities

6.5.1 Partial Pneumatic Flashboards at Sherman Island

Erie will install a partial pneumatic flashboard system as described above in Section 6.1.2.1 and in Exhibits A and F of The Application for New License for The Hudson River Project (December 18, 1991).

7.0 FEEDER DAM PROJECT, FERC NO. 2554

Provisions for enhancement measures at the Feeder Dam Project are shown on Table 7.0-1.

Table 7.0-1
Summary of Settlement Offer Measures at the Feeder Dam Project

Issue	Description	Timeframe for Implementation
Impoundment Fluctuation	1' daily 4/1 – 6/15 for centrarchidae spawning 2' daily 6/16 – 3/31 Note: Inclusion of a partial rubber dam within 18 Months of License issuance and acceptance.	Upon License Issuance & Acceptance
Base Flows	Maintain instantaneous base flow of 1,500 cfs and an average daily flow of 1760 cfs or the interim base flow a discussed in Section 3.4.1.	Upon License Issuance and Acceptance for the Great Sacandaga Lake and Feeder Dam Projects
Fish Protection	Full 1" trashrack overlays.	2004
Downstream Fish Movement	25 cfs continually for passage, 1/1 – 12/31	2004
Project Recreation Facilities	• Tailrace fishing access with parking • Shoreline access • Canoe portage	Within 18 Months of License Issuance & Acceptance
Non-Project Recreation Facilities	• Parking to accommodate canoeing and biking/walking path along canal • Cartop boat launch with 10 car parking • Canoe access to Feeder Canal	Within 18 Months of License Issuance & Acceptance

7.1 Impoundment Fluctuations

Upon issuance and acceptance of a new license for the project, Erie will limit daily fluctuations of the impoundment between April 1 and June 15 of each year to one

foot (between elevations 283.1 and 284.1 USGS to facilitate fish spawning. For the remainder of the year, daily impoundment fluctuations will be limited to two feet (between elevations 282.1 and 284.1 USGS) while river flows are within the operating range of the turbines.

7.1.1 Partial Pneumatic Flashboards

Within 18 months of license issuance and acceptance, Erie will install pneumatic flashboards on a portion of the spillway section of the Feeder Dam near the powerhouse to facilitate pond level control. The pneumatic flashboard section will be designed to allow the 10-year flood to pass the dam without failing the remaining wooden flashboard sections. Whenever replacement of the wooden flashboards becomes necessary due to failure of these flashboards, Erie will first consult with the NYSDEC regarding the scheduling of flashboard replacement. Erie will work diligently to start and complete the installation of replacement flashboards as quickly as possible either before the onset of walleye spawning (defined in subsection 1.14) or after June 15 (the end of the spawning period for other fish). During the interval of time between the onset of walleye spawning and June 15, NYSDEC and Erie may, after consultation, agree upon an alternate schedule for flashboard replacement (for the given year only).

Until flashboard reinstallation begins, Erie will maintain a maximum daily operational drawdown of 6 inches below the Feeder Dam spillway crest elevation (280.6 ft. USGS). A special exception to permit a maximum drawdown to 1.0 feet below spillway crest elevation is allowed for those hours when people are to be actually working on the dam crest installing flashboards. Once flashboard installation is complete, normal operations will resume.

7.2 Fish Protection and Downstream Movement

In order to provide protection against entrainment of fish into the project turbines, Erie will install full trashrack overlays with maximum clear spacing of one inch in 2004. The date of installation may be changed on mutual consent of USFWS, NYSDEC and

Erie. To afford a defined route of downstream movement for fish, Erie will discharge a continuous flow of 25 cfs through modifications to the existing trash sluice, beginning at the time the overlays are installed.

7.3 Base Flow

Upon issuance and acceptance of new licenses for the Feeder Dam Project and for Great Sacandaga Lake, Erie will maintain a minimum average daily flow of 1,760 cfs below Feeder Dam. This flow may be reduced in accordance with the provisions of subsection 3.4.3. and Table B or C (p.38), whichever is applicable.

In addition, the Project shall be operated so that an instantaneous base flow of 1,500 cfs is provided below Feeder Dam subject to any interim Hudson River base flow adjustments determined by the NYSDEC should Great Sacandaga Lake approach or reach Level Curve 1.0 (see subsections 3.4.2 and 3.4.3).

Dam leakage and the 25 cfs fish movement flow will not be included in the 1,500 cfs base flow. Erie will provide NYSDEC with headwater elevation, tailwater elevation and generation (kW) data at Feeder Dam when requested. Erie will also provide NYSDEC with a telephone number at Erie's dispatch center to provide realtime information. Prior to license issuance and acceptance, Erie will provide NYSDEC with a kW vs. cfs relationship for Feeder Dam with relevant flow data from the USGS Fort Edward gage to verify the general accuracy of the kW vs. cfs relationship. Should any turbine or generator be changed, an updated kW vs. cfs relationship will be provided to NYSDEC. Erie will also install by license issuance and acceptance "generation on" lights for each of the Feeder Dam generating units that can be viewed from outside the powerhouse as a method to visually verify that the 1,500 cfs flow is being provided (two lights on will mean that the 1,500 cfs is being provided).

7.4 Recreation Facilities

Erie will provide the recreational improvements described below within 18 months of issuance and acceptance of a new license. See Figure 7.4-1 for diagrams of the recreational facilities.

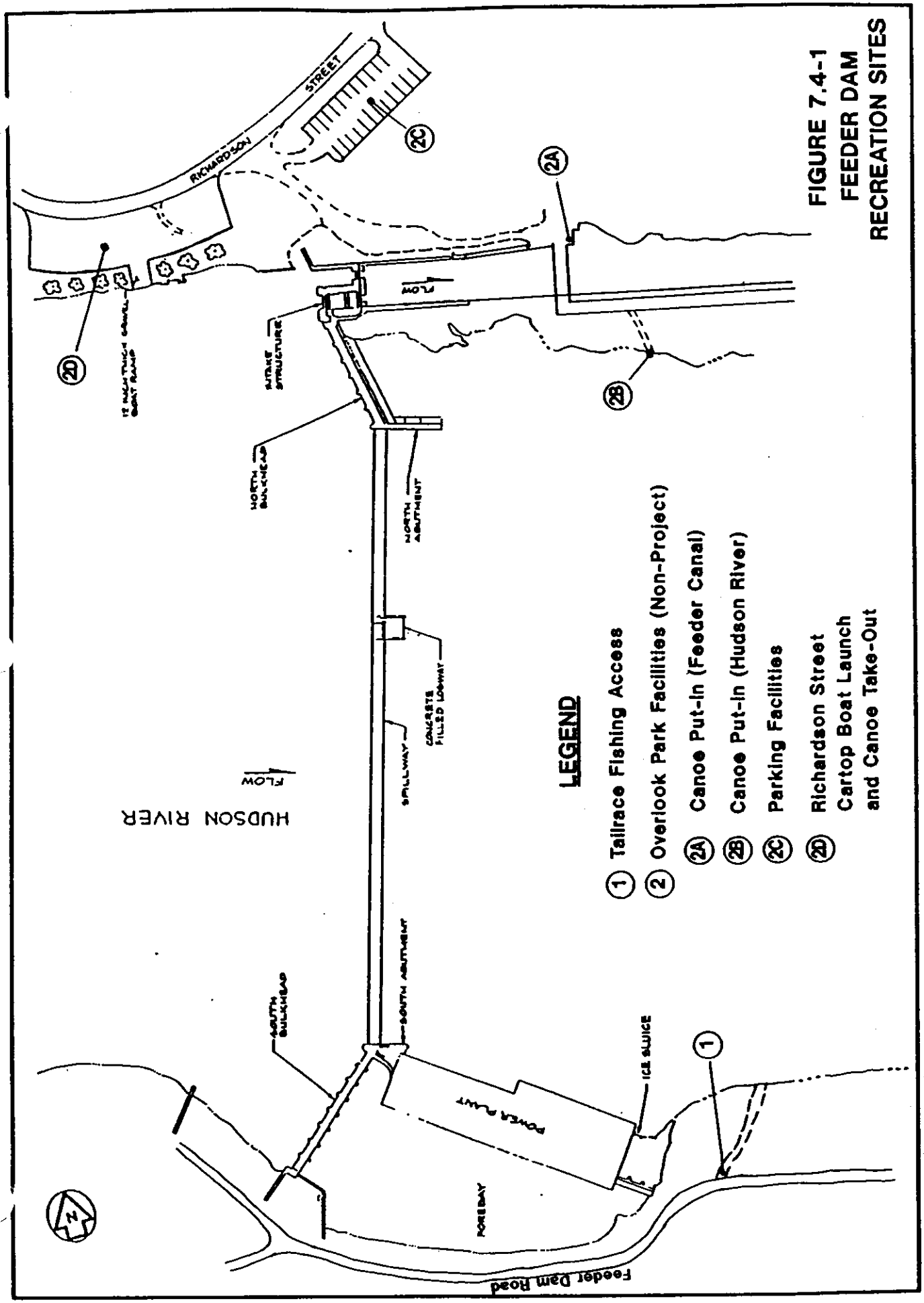


FIGURE 7.4-1
FEEDER DAM
RECREATION SITES
LEGEND
1 Tailrace Fishing Access
2 Overlook Park Facilities (Non-Project)
2A Canoe Put-In (Feeder Canal)
2B Canoe Put-In (Hudson River)
2C Parking Facilities
2D Richardson Street
Cartop Boat Launch
and Canoe Take-Out
HUDSON RIVER
FLOW
SPILLWAY
CONCRETE FILLED LOCKWAY
NORTH ABUTMENT
NORTH BULKHEAD
INTAKE STRUCTURE
SOUTH ABUTMENT
SOUTH BULKHEAD
ICE SLUICE
POWER PLANT
FOREBAY
Feeder Dam Road
RICHARDSON STREET
12 MAIN TRACK CANAL BOAT RANGE
2A
2B
2C
2D
1
N
282-027-98-09 3/99

Erie will continue to permit public access to the shoreline of the Feeder Dam Impoundment across Erie's land where project facilities, hazardous areas and existing leases, easements and private ownership along the shoreline do not preclude it. The Nolan Road, Town of Queensbury and proposed Richardson Road boat launches are expected to adequately accommodate public access to project waters.

7.4.1 Tailrace Fishing Access

Erie will provide space to park a single vehicle above the existing gate on Feeder Dam Road to permit continued use of the informal access to the tailrace for fishing.

7.4.2 Overlook Park (Non-Project Facilities)

Erie will cooperate with the Feeder Canal Alliance and the Town of Queensbury to develop an Overlook Park along Richardson Street and Haviland Avenue. The facilities listed under this section (7.4.2) will be developed by Erie on a schedule to be negotiated between Erie, the Town of Queensbury and the Feeder Canal Alliance. Upon completion of these facilities, Erie will enter into a no fee agreement with the Town of Queensbury for the use of Erie lands and maintenance of the entire Overlook Park.

These facilities are partly within the project boundary. Upon completion of the facilities, Erie will seek an amendment of license to revise the project boundary to exclude lands occupied by the facilities.

7.4.2.1 Canoe Portage (Non-Project Facility)

Erie will cooperate with the Feeder Canal Alliance to develop and/or improve a put-in area on the Hudson River contingent upon successful resolution of land ownership questions. The take-out area for the canoe portage will be at the proposed Richardson Street boat launch.

Development of the canoe portage facility will be completed within 12 months of the resolution of land ownership, or within 18 months of license issuance, whichever is later. This facility will not become part of the Project.

7.4.2.2 Parking and Picnic Facilities (Non-Project Facilities)

Erie will provide parking facilities for 16 cars with a trail leading to the car-top boat launch and a trail leading to the Feeder Canal. The parking area will be located on Erie's lands in accordance with the final Overlook Park Master Plan prepared by the Feeder Canal Alliance. Erie will also provide a one-time donation of two cement picnic tables which will be stationed based on the Park design provided by the Feeder Canal Alliance. This area will not become part of the Project.

7.4.2.3 Cartop Boat Launch (Non-Project Facility)

Erie will construct the Richardson Street boat launch on the left bank of the river upstream of the entrance to the Feeder Canal. Appropriate signage will be installed to identify the site and to prohibit cars with trailers. If necessary, a post and rail fence will be installed to limit access to the boat launch to cars without trailers. This area will not become part of the Project.

7.5 New Project Facilities

7.5.1 *Partial Pneumatic Flashboards*

In lieu of the full length pneumatic flashboard system formerly proposed, Erie will design and install a partial pneumatic flashboard system on the permanent crest of the Feeder Dam within 18 months of license issuance and acceptance as described in subsection 7.1.1.

8.0 ADVISORY COUNCILS, ENHANCEMENT FUNDS AND REASSESSMENT OF BENEFITS CHARGES

The following provisions of the Settlement Offer relating to the establishment of various councils are expressly intended by the signatories to this Settlement Offer to remain outside the new licenses for the subject projects. Enhancement Funds described below will be included in new licenses only to the extent of annual reporting by Erie.

8.1 River Basin Council

A single River Basin Council (RBC), chaired by NYSDEC and consisting of four Advisory Councils, will be formed to coordinate the four enhancement funds described in Section 8.3 below. The four funds will be administratively managed by Erie, or its successors, assigns or transferees, and will be distributed to and according to the decisions of the individual Advisory Councils. All signatories to this Settlement Offer will be invited to participate in the RBC by designating a representative.

The RBC shall have at least one meeting per year, at which time there shall be annual reports from each Advisory Council, including an accounting of the expenditure of the previous year's funds and plans for expenditure of the ensuing year's funds. The approved minutes of this annual meeting shall be transmitted to Erie and shall include the reports of the four Advisory Councils.

8.2 Advisory Councils

NYSDEC will chair each Advisory Council until the individual Advisory Councils adopt their own bylaws and until the time the Advisory Councils identify a chair person. The Advisory Councils are described below, along with the list of the entities who shall be invited to provide representation on each Council, provided that potential members are signatories to this Settlement Offer. Members of each Council will have one vote with regards to decisions and recommendations of that Advisory Council, including distribution of funds. The Sacandaga Whitewater Advisory Council (SWAC) decisions will be made by consensus.

All four Councils will exist and function in accordance with the By-Laws and Rules of Procedures to be adopted by each Council, and will operate consistent with this Offer of Settlement.

8.2.1 Great Sacandaga Lake Advisory Council (GSLAC)

The GSLAC will administer the Great Sacandaga Lake Enhancement Fund. The following list of entities (and the number of representatives) will be invited to serve on the GSLAC:

- Great Sacandaga Lake Business/Marina Representative (1)
- Saratoga County (one county, two towns) (3)
- Fulton County (one county, three towns) (4)
- Great Sacandaga Lake Fisheries Federation, Inc. (1)
- NYSDEC (1)
- USFWS (1)
- APA – *ex officio* (1)
- Great Sacandaga Lake Association (1)
- Adirondack/New York State Environmental Group (1)
- Regulating District (1)
- Erie - *ex officio* (1)

8.2.2 Sacandaga/Hudson River Advisory Council (SHRAC)

The SHRAC will administer the Sacandaga/Hudson River Enhancement Fund. All signatories to this Settlement Offer or their representative will be invited to serve on the SHRAC.

8.2.3 Fisheries Advisory Council (FAC)

The FAC will administer the Fisheries Enhancement Fund. The following list of representatives will be invited to serve on the FAC:

- NYSDEC
- Erie
- T U
- USFWS

8.2.4 Sacandaga Whitewater Advisory Council (SWAC)

The SWAC will administer the Whitewater Enhancement Fund and Erie will make maximum payments for new facilities as described in Section 8.3.4 under a payment plan to be agreed upon between the SWAC and the Licensee. The mission of SWAC will be to stay abreast of whitewater recreation activities and program operations on the lower Sacandaga River and to foster the reliable and equitable availability of diverse recreational opportunities to both commercial and general public visitors with minimal environmental impacts and reasonable costs. At a minimum, a representative from each of the following entities will be invited to serve on the SWAC :

- AW
- ADK
- each commercial whitewater outfitter serving the river
- Saratoga County
- the Town of Hadley
- Erie
- Concessionaire for the North Side Take-Out
- NYSDEC
- the Towns of Hadley/Lake Luzerne Chamber of Commerce
- NPS

8.3 Enhancement Funds

Four enhancement funds have been provided for in this Offer of Settlement. With the exception of the one-time funding, not to exceed $50,000, for the development of the North Side Put-In are and the South Side Take-Out area as described in Sections 5.5.2.2.1 and 5.5.2.2.2 and Section 8.3.4, these enhancements funds are to be administered by the respective Advisory Councils identified in Section 8.2 above. The Enhancement Funds are not to be included as conditions of the new licenses for the subject projects, except as to the reporting requirements described below.

On or before April 1 of each year, Erie shall file with FERC a statement reporting the following information pertaining to the three annual enhancement funds described in Sections 8.3.1, 8.3.2, and 8.3.3 of this Offer of Settlement:

- a description of the amount of money and activities on which the respective enhancement funds were spent during the preceding calendar year at the direction of the respective Advisory Councils;
- the amount of money Erie will contribute to the Great Sacandaga Lake Enhancement Fund, the Hudson/Sacandaga River Enhancement Fund, and the Fisheries Enhancement Fund during the calendar year of the report pursuant to the respective provisions of Sections 8.3.1, 8.3.2, and 8.3.3 of this Offer of Settlement.

The one-time $25,000 whitewater enhancement fund described in Section 8.3.4 shall be subject to one report filed with FERC by Erie after the fund has been exercised, describing the amount of the fund utilized and the activities on which the whitewater enhancement fund was spent.

8.3.1 Great Sacandaga Lake (GSL) Enhancement Fund

Erie agrees to contribute $15,000 annually in 2000 and 2001 and, beginning in 2002, to contribute $30,000 annually to the GSL Enhancement Fund. After 2002, annual contributions to the GSL Enhancement Fund will continue, escalated at the rate of inflation as published annually in the Consumer Price Index throughout the License term.

Payment of the $15,000 for the GSL Enhancement Fund in 2000 shall be made within 30 days after the GSLAC has convened its initial meeting and adopted its By-Laws. Payments thereafter shall be made no later than January 15 of each year beginning in 2001.

The GSL Enhancement Fund shall be used within the Sacandaga River Basin drainage upstream of Conklingville Dam. Funds may be used, but are not

limited to projects, studies or services, designated by majority vote of the GSLAC, for any of the following purposes: ecosystem restoration or protection, fish stocking, natural resource stewardship and new recreation resources (beyond those required by this Settlement Offer).

8.3.2 Sacandaga/Hudson River Enhancement Fund

Erie agrees to contribute $10,000 annually, escalated at the rate of inflation as published annually in the Consumer Price Index, to the Hudson/Sacandaga River Enhancement Fund. A contribution of $2,000 per development (or a total of $10,000 for all five developments) will be due within 60 days after license issuance and acceptance and will continue annually throughout the license terms.

The Sacandaga/Hudson River Enhancement Fund may be used within a) the Sacandaga River as defined from Conklingville Dam to the confluence of the Hudson River and b) the Hudson River as defined from the confluence of the Sacandaga River downstream to Feeder Dam. Funds may be used, but not limited to, projects, studies or services, designated by majority vote of the SHRAC, for any of the following purposes: ecosystem restoration or protection such as fish stocking, natural resource stewardship, and new recreation resources (beyond those required by this Settlement Offer).

8.3.3 Fisheries Enhancement Fund

Erie will contribute $5,000 annually, escalated at the rate of inflation, as published annually in the Consumer Price Index, to the Fisheries Enhancement Fund, which may be used for any fishery related projects throughout New York State. This fund may be used only for appropriate projects which meet the following purposes:

1. stream habitat improvement;
2. handicapped fishing access;

3. heritage strain brook trout restoration;
4. public fishing rights acquisition.

Payment of the $5,000 for the Fisheries Enhancement Fund in 2000 shall be made within 30 days after the FAC has convened its initial meeting and adopted its By-Laws. Payments thereafter shall be made no later than January 15 of each year beginning in 2001.

8.3.4 Sacandaga Whitewater Enhancement Fund

Erie will provide one-time funding, not to exceed $50,000, for development of the North Side Put-In area and the South Side Take-Out area facilities as described in Section 5.5.2.2 above. Erie will also fund whitewater enhancements, including the Rodeo Hole and slalom course, up to a total of $25,000, which funding is to be administered by the SWAC and is to be made available within one year of new license issuance and acceptance for the Stewarts Bridge Project.

8.4 Reassessment of Benefit Charges by the Regulating District

This Settlement Offer recognizes the statutory right of the Regulating District to implement changes to its benefit assessments through appropriate Regulating District procedures, which procedures are to be outside the jurisdiction of any new licenses for the subject projects.

The Regulating District is reimbursed for operations and maintenance expenses associated with their operation of the Conklingville Dam and the Great Sacandaga Lake. Currently, these reimbursements are composed of the following elements:

- Charges to Erie for the E.J. West Project's use of head and water at the Regulating District's Conklingville Dam
- Charges for benefits to downstream hydroelectric facilities, including:

- Erie Boulevard Hydropower, L.P.
- Niagara Mohawk Power Corporation
- New York State Electric and Gas
- Stillwater Hydro Partners, L.P.
- Georgia-Pacific Corporation
- Fort Miller Associates
- Adirondack Hydro Development Corporation
- Finch, Pruyn & Company, Inc.
- International Paper Company

- Charges to municipalities for flood protection benefits, including:

  - Village of Green Island
  - City of Albany
  - City of Watervliet
  - City of Troy
  - City of Rensselaer

The Signatories to this Settlement Offer understand that the assessment of charges is done by the Board of the Regulating District in a process defined within Article 15, Title 21 of the New York State Environmental Conservation Law. The Signatories recognize that since the original assessment of charges, the properties and entities potentially benefiting from the operation of Conklingville Dam have changed. Potential additional areas of benefit include but are not limited to wastewater assimilation, process and potable water supply, flood protection and recreation. In addition, the geographical area benefited by operation of Conklingville Dam may have expanded.

The Board of the Regulating District has initiated a reassessment procedure under Article 15, Title 21 of the New York State Environmental Conservation Law for the Hudson River. The Board of the Regulating District agrees to publish a public notice of this reassessment procedure, and to make a good faith effort to complete the reassessment

procedure in an expeditious manner, by June 30, 2000, or by the adoption of the next three-year budget, whichever first occurs.

9.0 SIGNATORIES

Individual signature pages for all signatories to this Settlement Offer are attached hereto.

SETTLEMENT OFFER

UPPER HUDSON/SACANDAGA RIVER PROJECTS

FERC PROJECT NUMBERS 2318, 2047, 2482, and 2554

Organization: Adirondack Boardsailing Club, Inc.

By: _____

Richard H. Blackmer

Title: Settlement Representative

Date: March 10 2000

SETTLEMENT OFFER

UPPER HUDSON/SACANDAGA RIVER PROJECTS

FERC PROJECT NUMBERS 2318, 2047, 2482, and 2554

Organization: Adirondack Council

By: Bernard C Melewski

Bernard Melewski

Title: Counsel

Date: March 20, 2000

SETTLEMENT OFFER

UPPER HUDSON/SACANDAGA RIVER PROJECTS

FERC PROJECT NUMBERS 2318, 2047, 2482, and ~~2554~~

Organization: Adirondack Mountain Club, Inc.

By: Betty Lou Bailey

Betty Lou Bailey

Title: Chrm., Canoe Route Subcommitte Conservation Committee

Date: March 29, 2000

SETTLEMENT OFFER

UPPER HUDSON/SACANDAGA RIVER PROJECTS

FERC PROJECT NUMBERS 2318, 2047, 2482, and 2554

Organization: Adirondack Park Agency

By: _____

Daniel T. Fitts

Title: Executive Director

Date: 3/22/00

SETTLEMENT OFFER

UPPER HUDSON/SACANDAGA RIVER PROJECTS

FERC PROJECT NUMBERS 2318, 2047, 2482, and 2554

Organization: Adirondack River Outfitters Inc.

By: Gary J Staab

Gary Staab

Title: Owner

Date: 3-15-2000

SETTLEMENT OFFER

UPPER HUDSON/SACANDAGA RIVER PROJECTS

FERC PROJECT NUMBERS 2318, 2047, 2482, and 2554

Organization: American Rivers

By: _____

Andrew Fahlund

Title: Director Hydro Programs

Date: 3/11/00

SETTLEMENT OFFER

UPPER HUDSON/SACANDAGA RIVER PROJECTS

FERC PROJECT NUMBERS 2318, 2047, 2482, and 2554

Organization: American Whitewater

By: Peter N. Skinner

Peter N. Skinner

Title: Member, AW Board of Directors

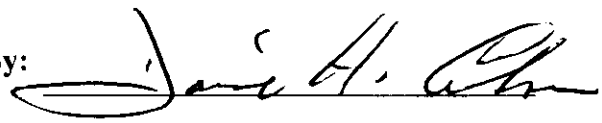
Date: March 24, 2000

SETTLEMENT OFFER

UPPER HUDSON/SACANDAGA RIVER PROJECTS

FERC PROJECT NUMBERS 2318, 2047, 2482, and 2554

Organization: Association for the Protection of The Adirondacks

By: 

Dave Gibson

Title: Executive Director

Date: April 6 2000

SETTLEMENT OFFER

UPPER HUDSON/SACANDAGA RIVER PROJECTS

FERC PROJECT NUMBERS 2318, 2047, 2482, and 2554

Organization: Erie Boulevard Hydropower, LP

By: Janet M. Audunson

Janet M. Audunson

Title: General Manager, Orion Power New York, GP, Inc.

General Partner for Erie Boulevard Hydropower, LP

Date: 3-7-00

SETTLEMENT OFFER

UPPER HUDSON/SACANDAGA RIVER PROJECTS

FERC PROJECT NUMBERS 2318, 2047, 2482, and 2554

Organization: Feeder Canal Alliance

By: Christopher C. Reed

Christopher C. Reed

Title: Secretary

Date: March 10, 2000

SETTLEMENT OFFER

UPPER HUDSON/SACANDAGA RIVER PROJECTS

FERC PROJECT NUMBERS 2318, 2047, 2482, and 2554

Organization: Fulton County Board of Supervisors

By: James P. Callery

James P. Callery

Title: Vice Chairman

Date: 3/13/00

The signature contained on this page shall be valid only upon the following conditions being completed by the designated parties to this Agreement. Failure of compliance with these terms shall nullify and void the signature hereafter and compliance with the following terms are a material part of any Agreement contemplated herein.

The signature hereinafter shall be void unless:

1. The paragraph found on page 82 at line 29 through 33 and page 83 line one are deleted in their entirety from the Agreement filed with the Federal Energy Regulatory Commission and

2. The Hudson River Regulating District shall also sign this Agreement and file for a separate license with the Federal Energy Regulatory Commission.

SETTLEMENT OFFER

UPPER HUDSON/SACANDAGA RIVER PROJECTS

FERC PROJECT NUMBERS 2318, 2047, 2482, and 2554

Organization: Glens Falls Chapter of Adirondack Mountain Club

By: Jacqueline Bave

Jacqueline Bave

Title: Conservation Committee Chair

Date: 3/9/00

SETTLEMENT OFFER

UPPER HUDSON/SACANDAGA RIVER PROJECTS

FERC PROJECT NUMBERS 2318, 2047, 2482, and 2554

Organization: Great Sacandaga Lake Association

By: Willard D Roth

Williard D. Roth

Title: President

Date: Tuesday 14 March 2000

SETTLEMENT OFFER

UPPER HUDSON/SACANDAGA RIVER PROJECTS

FERC PROJECT NUMBERS 2318, 2047, 2482, and 2554

Organization: Great Sacandaga Fisheries Federation, Inc.

By: Randy R. Gardinier

Randy R. Gardinier

Title: Chairman

Date: March 17, 2000

SETTLEMENT OFFER

UPPER HUDSON/SACANDAGA RIVER PROJECTS

FERC PROJECT NUMBERS 2318, 2047, 2482, and 2554

Organization: Great Sacandaga Lake Marinas

By: Walter T. Ryan

Walter T. Ryan

Title: Chairman

Date: 3-10-2000

SETTLEMENT OFFER

UPPER HUDSON/SACANDAGA RIVER PROJECTS

FERC PROJECT NUMBERS 2318, 2047, 2482, and 2554

Organization: Hudson River-Black River Regulating District

By: Thomas E Brewer

Thomas E. Brewer, P.E.

Title: Chief Engineer

Date: 3/24/00

SETTLEMENT OFFER

UPPER HUDSON/SACANDAGA RIVER PROJECTS

FERC PROJECT NUMBERS 2318, 2047, 2482, and 2554

Organization: Hudson River Rafting Co. Inc.

By: P. J. Cunningham

Patrick J. Cunningham

Title: President

Date: March 25, 2000

SETTLEMENT OFFER

UPPER HUDSON/SACANDAGA RIVER PROJECTS

FERC PROJECT NUMBERS 2318, 2047, 2482, and 2554

Organization: International Paper

By: TJ Uncher

Tom Uncher

Title: Manager-Power, International Paper, Hudson River Mill

Date: 3/24/00

SETTLEMENT OFFER

UPPER HUDSON/SACANDAGA RIVER PROJECTS

FERC PROJECT NUMBERS 2318, 2047, 2482, and 2554

Organization: National Park Service

By: _____

Marie Rust

Title: Regional Director, Northeast Region

Date: 3/22/00

SETTLEMENT OFFER

UPPER HUDSON/SACANDAGA RIVER PROJECTS

FERC PROJECT NUMBERS 2318, 2047, 2482, and 2554

Organization: New York Rivers United

By: _____

Bruce Carpenter

Title: Executive Director

Date: 3/22/00

SETTLEMENT OFFER

UPPER HUDSON/SACANDAGA RIVER PROJECTS

FERC PROJECT NUMBERS 2318, 2047, 2482, and 2554

Organization: New York State Conservation Council, Inc.

By: Howard Cushing Jr

Howard Cushing

Title: President

Date: March 15, 2000

SETTLEMENT OFFER

UPPER HUDSON/SACANDAGA RIVER PROJECTS

FERC PROJECT NUMBERS 2318, 2047, 2482, and 2554

Organization: New York State Department of Environmental Conservation

By: _____

John P. Cahill

Title: Commissioner

Date: 4/3/00

SETTLEMENT OFFER

UPPER HUDSON/SACANDAGA RIVER PROJECTS

FERC PROJECT NUMBERS 2318, 2047, 2482 and 2554

Organization: Niagara Mohawk Power Corporation*

By: _____
Thomas H. Baron
Title: Senior Vice President – Field Operations

Date: March 16, 2000

* Having sold its hydroelectric generating facilities on the Upper Hudson/Sacandaga Rivers on July 29, 1999, Niagara Mohawk Power Corporation (Niagara Mohawk) has a very limited and finite interest and involvement in this Settlement Agreement. By executing this Settlement Agreement, Niagara Mohawk is indicating that its interest, rights and obligations in this Settlement Agreement are limited as follows:

1) any Niagara Mohawk land conveyance obligation for the South Side takeout in the Hadley Beach area below the Stewart's Bridge Project No. 2047, per Section 5.5.2.2.2 (p. 57), is premised upon the willingness of the transferee to take title prior to any improvements or construction and on terms and conditions acceptable to Niagara Mohawk, subject to any existing contractual rights to this property by the Open Space Institute (OSI), its successors and/or assigns; and

2) any Niagara Mohawk obligation(s) associated with Erie's provision of fishing access to the Sherman Island bypass reach from the area of the Potter Road Residential Subdivision being planned and proposed by Niagara Mohawk's land management and development subsidiary on the Town of Moreau side of the Sherman Island Development of Hudson River Project No. 2482, per Section 6.4.2.4 (pp. 71-72), is contingent upon FERC's issuance of a license amendment to the Sherman Island Development's project boundary that would exclude: (a) 11.7 acres of project lands from the project boundary for the Potter Road Residential Subdivision in the Town of Moreau, Saratoga County; and (b) a total of 23 acres of current project lands for water filtration plant expansion, Hudson Pointe PUD development and OSI greenway purposes in the Town of Queensbury, Warren County; and

3) the remaining duration of any of Niagara Mohawk's existing Federal Energy Regulatory Commission ("FERC") license responsibilities and rights up until the time that Erie Boulevard Hydropower, L.P. ("Erie") satisfies the FERC hydro license transfer conditions for Project No. 2047, 2318, 2482 and 2554 pursuant to ordering paragraph H of FERC's "Order Approving Transfers of Licenses, Partial Transfer of License, and Subdivision of Applicants", issued July 26, 1999 (88 FERC 62,082).

SETTLEMENT OFFER

UPPER HUDSON/SACANDAGA RIVER PROJECTS

FERC PROJECT NUMBERS 2318, 2047, 2482, and 2554

Organization: Sacandaga Outdoor Center

By: _____

John C. Duncan

Title: River Manager/President Sacandaga Outdoor Center

Date: 3-17-00

SETTLEMENT OFFER

UPPER HUDSON/SACANDAGA RIVER PROJECT
FERC PROJECT NUMBERS 2318, 2047, 2482 and 2554

The signature contained on this page shall be valid only upon the following conditions being completed by the designated parties to this agreement. Failure of compliance with these terms shall nullify and void the signature hereafter and compliance with the following terms are a material part of any agreement contemplated herein.

The signature hereinafter shall be void unless:

1. The paragraph found on page 82 at line 29 through 33 and page 83 line one are deleted in their entirety from the agreement filed with the Federal Energy Regulatory Commission and

2. The Hudson River Regulating District shall also sign this agreement and file for a license with the Federal Energy Regulatory Commission.

By: _____
JOHN E. LAWLER, CHAIRMAN
SARATOGA COUNTY BOARD OF SUPERVISORS

Approved as to form and content by:

_____
MARK M. RIDER
SARATOGA COUNTY ATTORNEY

HSRP1/TXTATY01

SETTLEMENT OFFER

UPPER HUDSON/SACANDAGA RIVER PROJECTS

FERC PROJECT NUMBERS 2318, 2047, 2482, and 2554

Organization: Town of Hadley

By: Thomas Mason

Thomas Mason

Title: Supervisor

Date: 3-13-00

SETTLEMENT OFFER

UPPER HUDSON/SACANDAGA RIVER PROJECTS

FERC PROJECT NUMBERS 2318, 2047, 2482, and 2554

Organization: New York State Council, Trout Unlimited

By: Thomas R. Matias

Thomas R. Matias

Title: Counsel to the Committee on Hydro Relicensing,
New York State Council, Trout Unlimited

Date: March 21, 2000

SETTLEMENT OFFER

UPPER HUDSON/SACANDAGA RIVER PROJECTS

FERC PROJECT NUMBERS 2318, 2047, 2482, and 2554

Organization: U.S. Fish and Wildlife Service

By: Ronald Lambertson

Ronald Lambertson

Title: Regional Director

Date: 3.16.00

SETTLEMENT OFFER

UPPER HUDSON/SACANDAGA RIVER PROJECTS

FERC PROJECT NUMBERS 2318, 2047, 2482, and 2554

Organization: W.I.L.D.W.A.T.E.R.S.

By: _____

Douglas Azert

Title: President

Date: 3/21/00

1633 Broadway
New York, New York 10019
212 468.6000

New York Power Authority

April 10, 2000

Mr. Jerry Sabattis
Hydro Licensing Coordinator
Orion Power New York
225 Greenfield Parkway, Suite 201
Liverpool, NY 13088

Re: Erie Boulevard Hydropower, Upper Hudson/Sacandaga River
Settlement Offer

Dear Mr. Sabattis:

The Power Authority has received the March 8, 2000 final settlement offer for the Upper Hudson/Sacandaga River Projects. As a party to these proceedings, the Authority has no objection to the proposed settlement concerning these projects.

The Authority's interest in these proceedings is focused principally on the School Street Project, located on the Mohawk River, downstream from two of the Authority's projects. The Authority retains an interest in negotiations and settlement regarding the School Street Project.

Thank you for your consideration.

Very truly yours,

Beverly Ravitch

Beverly Ravitch
Principal Attorney

Cc: The Hon. Kevin J. Casutto, ALJ
W. Little, NYSDEC
J. Osinski, NYPA

APPENDIX A

BACKGROUND AND PROJECT DESCRIPTIONS

APPENDIX A

BACKGROUND AND PROJECT DESCRIPTIONS

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APPENDIX A

BACKGROUND AND PROJECT DESCRIPTIONS

This appendix was developed by Orion Power and contains general background information on the settlement as well as descriptions of the projects subject to settlement agreement and the resource issues addressed in settlement. The statements made in this appendix have not been independently verified by all signatories to the Offer of Settlement.

A.1. GENERAL BACKGROUND INFORMATION

A.1.1 Abbreviations

The following standardized references or abbreviations are used throughout the Settlement Offer:

ADA	Americans With Disabilities Act
ADK	Adirondack Mountain Club
AHDC	Adirondack Hydro Development Corporation
AIR	Additional Information Request
APA	Adirondack Park Agency
AW	American Whitewater
cfs	cubic feet per second
CRMP	Cultural Resources Management Plan
DOI	Department of the Interior
ECL	Environmental Conservation Law
ESA	Endangered Species Act
FAC	Fisheries Advisory Council
FERC	Federal Energy Regulatory Commission
FPA	Federal Power Act
GSL	Great Sacandaga Lake
GSLA	Great Sacandaga Lake Association
GSLAC	Great Sacandaga Lake Advisory Council

GSLFF	Great Sacandaga Lake Fisheries Federation
GSLM	Great Sacandaga Lake Marinas
kW	Kilowatt
Licensee	Erie Boulevard Hydro, L.P. (and its successors, assigns, or transferees) or the Hudson River-Black River Regulating District, as their respective interests appear.
MW	Megawatt
MWh	Megawatt hour
Moreau	Moreau Manufacturing Corporation
NEPA	National Environmental Policy Act
NGO	Non-Governmental Organization
NMPC	Niagara Mohawk Power Corporation
NPS	National Park Service
NYRU	New York Rivers United
NYSDEC	New York State Department of Environmental Conservation
NYSHPO	New York State Historic Preservation Officer
NYSOPRHP	New York State Office of Parks, Recreation and Historic Preservation
Orion Power	Orion Power New York
PA	Programmatic Agreement
Park	Adirondack Park
PMF	Probable Maximum Flood
RBC	River Basin Council
Regulating District	Hudson River-Black River Regulating District
SHRAC	Sacandaga/Hudson River Advisory Council
State	New York State
SWAC	Sacandaga Whitewater Advisory Council
SWRA	Sacandaga Whitewater Recreation Area
TU	Trout Unlimited (New York Council)
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey

A.1.2 Settlement Offer Background

This Settlement is a comprehensive agreement emanating from:

License applications for the E.J. West Hydroelectric Project (FERC No. 2318), Stewarts Bridge Hydroelectric Project (FERC No. 2047), the Hudson River Project (FERC No. 2482), and the Feeder Dam Project (FERC No. 2554);

Those studies and reports referenced in Appendix C;
Responses to FERC's Additional Information Requests (AIRs);
Settlement efforts described below.

Settlement discussions for these projects began in August, 1995, were suspended in October 1997, started again in December 1997, and concluded with conceptual settlement on November 24, 1998. Settlement discussions were pursued primarily by an inclusive Settlement Team composed of interested groups and individuals. A Plenary Group composed of senior representatives of the Settlement Team members, was formed to be convened whenever an impasse was reached. A Modeler's Group of interested Settlement Team members was also formed to investigate and critique the HEC-5P model developed by Niagara Mohawk to analyze operational alternatives and energy consequences . Settlement Team meetings were organized and meeting materials were circulated by NYSDEC. All meetings after January, 1998 were facilitated by Gomez and Sullivan Engineers. Listed below are dates which the settlement team or the modeler's group convened.

A.1.2.1 Negotiation Sessions

Full negotiation sessions were held on the following dates:

1995: August 30-31
1996: May 2, June 17-18, July 29, September 23, December 5
1997: February 20, March 20, June 3, July 24, December 15-16

1998: January 8, 20-22; February 2-3, 18-19; March 4, 18-19; April 8-9; May 6-7, 20-21; June 4-5, 17-18; August 5-6, 18-19; September 8-9, 28-29; October 8-9, 13-14; November 23-24;
1999: May 13; August 18; December 7.

A.1.2.2 Plenary Sessions

A Plenary Group sessions were held on January 21-22 and November 20, 1997.

A.1.2.3 Modeler's Group Meetings

The Modeler's Group convened regularly to discuss the operations alternatives. It should be noted that the modeling was used only as a tool to evaluate the impact of various flow scenarios that were an integral part of the settlement process. The Modeler's Group consisted of a subset of the full negotiation group, and included representatives from Erie, American Whitewater, Adirondack Mountain Club, Adirondack Hydro Development Corporation, Great Sacandaga Lake Fisheries Federation, Great Sacandaga Lake Marinas, the Regulating District and NYSDEC and after January 1998 were facilitated by Gomez and Sullivan. The Modeler's Group held numerous conference calls throughout January-November 1998, and met on the following dates:

1995: December 18
1996: January 11, October 28-29
1997: June 2
1998: January 21, March 17, March 31, April 14, April 23, May 5, and September 25.

A.1.2.4 Site and Field Visits

Site visits to the projects were held on the following dates:

1996: Demonstration Flows (September 16-18)
1997: Tour of Great Sacandaga Lake (November 4)
1998: Recreation Site Visit (Stewarts, Spier, Sherman Island and Feeder) (February 23)
Feeder Canal Alliance- Park Site Visit (April 6)
Sherman Island Bypass Visit (May 20)

A.1.3 Licensee

The E.J. West, Stewarts Bridge, Hudson River and Feeder Dam Projects are licensed to, and are currently owned, operated and maintained by Erie Boulevard Hydro, L.P. (Erie Boulevard), successor to NMPC. Orion Power New York (Orion Power) is the General Partner of Erie Boulevard responsible for all financial, regulatory and operational aspects of the projects. Within this Settlement Offer, the term "Licensee", as well as the term "Orion Power" when referring to the E.J. West, Stewarts Bridge, Hudson River and Feeder Dam Projects, is used to refer to Erie Boulevard, and any of its successors and/or assigns, or any transferees of the subject licenses.

A.1.4 Setting of the Projects

The E.J. West and Stewarts Bridge Projects are located on the Sacandaga River, above the Sacandaga's confluence with the Hudson River at Hadley, New York (river mile 225). The Hudson River and Feeder Dam Projects are located on the mainstem of the Hudson River. The area is considered to be within the Upper Hudson River Basin, which encompasses a drainage area of approximately 3,600 square miles to the Federal lock and dam at Troy, near Albany and a distance of approximately 70 miles along the Hudson River.

The Sacandaga River originates at Sacandaga Lake (not to be confused with the Great Sacandaga Lake) near Speculator, NY in the Adirondack Mountains and flows in a southeasterly direction to its confluence with the Hudson River. The environs of the Sacandaga River are largely wooded hills and mountain ranges interspersed with some agricultural development and small towns and villages.. The Village of Northville is the most populated municipality in the area. Northville, as well as a number of smaller villages and hamlets, are located around the 25,940-acre Great Sacandaga Lake, which was created in 1930, by New York State, as a water storage reservoir to regulate Sacandaga River flows. The objective was to create a governmental entity (now the Hudson River-Black River Regulating District) that would use assessments collected from beneficiaries to construct, operate and maintain a seasonal storage reservoir that

could provide flow regulation and reduce the flooding of communities along the mainstem Hudson River as well as augment low flows in the mainstem during summer months. The Conklingville Dam was built to create Great Sacandaga Lake and the E.J. West Project is located at the dam. The Stewarts Bridge Project is located about three miles below the E.J. West Project, and the Sacandaga River continues another three miles below Stewarts Bridge to the Hudson River.

The Hudson River has its source in the northern Adirondack Mountains at Lake Tear-of-the Clouds. The river flows generally in a southerly direction to the Town of Corinth about six miles below the confluence with the Sacandaga. At Corinth, the river turns eastward to Hudson Falls, where it turns southward again. The Hudson River Project, including the Spier Falls and Sherman Island Developments, and the Feeder Dam Project are located in this segment of the river. Above its confluence with the Sacandaga, the Hudson River flows through wooded hills and rural communities. At Hadley, development adjacent to the river begins to increase slightly, but is interspersed with lengthy undeveloped shoreline stretches. The municipalities of Corinth, Glens Falls, West Glens Falls, South Glens Falls, Queensbury and Hudson Falls are all located along the river below the confluence with the Sacandaga.

The area surrounding the projects was settled in early 19th Century, with trapping, farming, logging and small-scale water-powered industrial development being the first commercial activities in the region. With the extension of road networks and the construction of the Champlain Canal (ca. 1822), commercial and manufacturing activity increased through the 19th Century; however, the region's extensive natural resources, mild summer climate and pleasing mountain scenery established it early as a recreational area. Numerous resort facilities, most notably in and near Saratoga Springs and at Lake George, were popular retreats for residents of New York and other larger cities. The Adirondack Park, comprising approximately six million acres, was established in 1892 in acknowledgement of the need to preserve the scenic and recreational resources of the area. Most development activities within the Park are regulated by the APA. Great Sacandaga Lake has, since its creation in 1930, developed into a significant water-based recreational resource in the area of the projects.

A.1.5 Adirondack Park Boundary

The Adirondack Park Boundary (the Blue Line) crosses the Hudson River at Corinth, running from southwest to northeast, thence northerly along the east side of the river to the southern limits of Lake Luzerne, where it turns easterly. The E.J. West and Stewarts Bridge Projects are located entirely within the Park, as are Conklingville dam and Great Sacandaga Lake. The Hudson River and Feeder Dam Projects lie outside the Adirondack Park's boundary and thus are not subject to the special land use restrictions administered by the APA.

A.1.6 Forest Preserve

The "forest preserve" refers to lands owned by the State in designated counties of the State, which may not be sold, leased or transferred to any public or private entity, and is to forever be kept as wild lands. Within the Adirondack Park, approximately 2.3 million acres are designated as forest preserve lands. The four projects covered by this Settlement Offer are located in Fulton, Hamilton, Saratoga or Warren Counties, all of which have forest preserve lands within them. Certain state-owned lands at Conklingville Dam and around Great Sacandaga Lake are forest preserve lands. The interrelationship between the constitutional prohibition on transfer of State owned forest preserve land and the need to acquire rights to lands within any proposed FERC project boundary including Conklingville Dam and Great Sacandaga Lake create a unique set of circumstances as regards the licensing of those facilities.

A.1.7 Hudson River-Black River Regulating District

The Hudson River-Black River Regulating District (Regulating District) was created by an Act of the New York Legislature in 1959, wherein the then-existing Black River and Hudson River Regulating Districts were merged into a single entity. The Board of the Hudson River Regulating District was originally organized in 1922 to oversee the construction and operation of a number of water storage and regulation

projects planned for the Upper Hudson River Basin, of which the Great Sacandaga Lake (known originally as Sacandaga Reservoir) and Indian Lake (known originally as Indian Lake Reservoir) were eventually built.

On June 7, 1923, the Board of the Hudson River Regulating District adopted its "General Plan for the Regulation of the Flow of the Hudson River and Certain of its Tributaries" (Plan) under the provisions of Section 430 of the New York State Conservation Law of 1915. The Plan included development and operation of the Sacandaga Reservoir. The plan stipulated the general operating parameters to be followed by the Regulating District Engineer in using the storage capability of the lake to augment low flows and to reduce flood flows in the mainstem of the Hudson River. The Plan was submitted to the FERC on April 6, 1995, for consideration as a Comprehensive Plan within the meaning of 18 CFR 2.19 and was accepted for inclusion in FERC's list of Comprehensive Plans in 1995.

The Regulating District's annual operating budget is funded through an assessment of the beneficiaries of flow regulation (see subsection 8.4 of The Offer of Settlement), including hydroelectric project operators and a few municipalities. In addition to these assessments, Erie, by contractual arrangement separate from and unrelated to the assessments, pays an additional annual charge for the E.J. West Project by virtue of its use of head created by the Regulating District's Conklingville Dam. Provisions of this Settlement Offer relating to the Regulating District's annual assessment of beneficiaries are discussed in Section 8.4.

A.1.8 Role of the Hudson River-Black River Regulating District

This section describes the role of the Regulating District in the operation of Great Sacandaga Lake. It should be noted that the operations discussion below is based on pre-settlement conditions.

The State of New York owns, and the Regulating District operates and maintains, Conklingville Dam, which impounds Great Sacandaga Lake. Pursuant to a legislative

mandate, Conklingville Dam was constructed by the State to provide flood control and flow augmentation to communities bordering the Hudson River below the Sacandaga River confluence. Construction was completed and the reservoir was filled in 1930.

Operation of Great Sacandaga Lake has followed a consistent overall pattern, governed by the Regulating District since the creation of the reservoir and dam. The District's Chief Engineer makes decisions regarding the daily quantity of discharge; the District Engineer's actions are guided by the overall policies established by the Regulating District in response to both the requirements of the legislative mandate and, consistent with that legislative mandate, environmental and recreational refinements arrived at over the years.

The Regulating District assesses antecedent moisture conditions on a periodic basis to adjust forecasts. The Regulating District performs snow surveys at 19 sites in the watershed to estimate the runoff potential in the winter and spring. As unusual conditions are noted and at the discretion of the Regulating District's Chief Engineer, antecedent conditions are input to a spreadsheet model as a check on the reservoir operating routine. This procedure is utilized mostly during the high runoff season. Decisions of the Regulating District's Chief Engineer affect the daily volume of water exiting the lake.

The Regulating District does not release any water from Great Sacandaga Lake during approximately three weeks in the spring. This is done to avoid or reduce spring flooding on the Hudson River, and to collect water in storage to augment summer flows.

Once Great Sacandaga Lake is filled, water is released so that a target minimum daily average flow in the Hudson River below the confluence with the Sacandaga River is 3,000 cfs while maintaining the level of Great Sacandaga Lake above elevation 756' during the period May 1 through Labor Day. Normal full pond elevation of Great Sacandaga Lake is elevation 768', although the Regulating District can use an additional three feet up to elevation 771' for flood control surcharges. The purpose of the summer drawdown is to provide flow augmentation to the Hudson River during what is normally

a relatively low-precipitation period. The purpose of the late winter drawdown is to create sufficient storage capacity prior to the spring runoff, thereby preventing flooding of downstream areas.

In 1930, the predecessor to NMPC constructed the E.J. West Hydroelectric Project at Conklingville Dam to take advantage of the head and flow capacity of Great Sacandaga Lake. Although E.J. West constitutes a separate licensed hydroelectric facility, its operation is closely coordinated with that of the Stewarts Bridge Project. Water conveyed below Conklingville Dam travels through four concrete penstocks leading to two turbine/generating units within the E.J. West Powerhouse. The most efficient operating flow is 2,000 cfs/unit and the maximum operating flow is 2,700 cfs/unit. Under the current operational arrangement, the Regulating District determines the day's release (or consecutive days as the case may be) and notifies Erie of the release so they may operate E.J. West accordingly. Releases are determined based on hydrologic conditions in the Sacandaga River watershed, existing storage, flow conditions in the Hudson River, and by the rules set forth in Resolution 86. It is not the intent of this settlement to revisit all of the details contained in Resolution 86; however, there are a few operating conditions that govern the current (pre-settlement) operation of Great Sacandaga Lake as described below. Some of these operating conditions will change as a result of the Settlement Offer's terms contained herein.

Great Sacandaga Lake is not permitted to rise above the high flow line except during floods or other emergencies. The high flow line is currently set at elevation 771 (spillway crest).

Except for absolutely necessary inspection or repairs, Great Sacandaga Lake shall not at any time be drawn below the low flow line. The low flow line is currently set at elevation 735 from Jan 1-Mar 30, with a linear interpolation to 756 on May 1, 756 from May 1 to Labor Day and 740 for the remainder of the year. (Since 1930, the Lake has dropped or been drawn below 756' before Labor Day on only three occasions in 1934, 1936 and 1941.)

A.1.9 Explanation of Winter Drawdown Limitations

Section 3.4 allows drawdowns below the winter target elevation for Great Sacandaga Lake when necessary for flood control purposes. In the process of reaching this settlement the winter impoundment elevation and its potential impact on flooding were reviewed extensively. This appendix is intended to summarize pertinent aspects of that evaluation for future reference.

An exception is allowed to the winter target elevation for flood control purposes if the early March snowpack water content is equal to or greater than 8.6 inches. That water content was selected because it approximates the 1 in 20 year snowpack based on data from 1931 to 1999, inclusive.

The settlement intends that this exception be applied very rarely. Analyses show that in the vast majority of years an exception will not be needed to avoid increases in flooding. Indeed, modeling determined that for climatic events experienced from 1922 to1995, an exception would not have been needed for the winter target elevation of 750 feet. Exceptions would be necessary even less frequently for the targets of 748 and 749 feet, which apply earlier in the duration of the settlement.

Winter elevations targeted in this settlement are higher than were targeted prior to 1999. Higher winter elevations can be maintained without increased flooding because historically much of the spring refill occurred during non-flood periods. Storing less (i.e. less refilling) during non-flood periods maintains the impoundment=s capacity to store flood discharges.

Consideration of climate and extensive modeling of the Sacandaga watershed=s hydrological conditions were integral to developing this settlement. The final model runs on the operations included in the settlement (including the higher winter impoundment elevations) show problematic increases in flooding do not occur. It is likely that a winter elevation of 750 feet can be maintained with no significant increase in flooding in the Hudson.

Modeling performed during the studies conducted in the course of settlement negotiations found the winter elevations were acceptable even without exceptions to the winter elevations. However, the model was run on conditions experienced from 1922 to 1995. Conditions more extreme than experienced in that period could make exceptions necessary.

Independent analyses by NYSDEC staff also indicate the winter elevations can be maintained and the need for exceptions should be rare. An impoundment elevation of 750 feet provides capacity to store flows from major runoff events, based on both probabilistic flood flow estimates and on flows experienced during the history of the impoundment. For example, the capacity is greater than would have been necessary for the flood of record, greater than would be needed for a 500 year flood flow for a duration equal to that of the flood of record, and greater than was available at the beginning of high flows in spring 1993 (April 1993 was the highest monthly inflow since the reservoir began operation).

Several factors indicate that the early March snowpack is an appropriate criteria to base the threshold on. Decisions made later than early March leave inadequate time to adjust the impoundment elevation. Experience has shown that mid-winter thaws and/or late season snowfalls make earlier snowpack measurements unreliable as indicators of the spring runoff. Furthermore, operations typically do not bring the impoundment below 750 feet prior to early March, so an earlier decision is unnecessary.

The parties agree that consultation between the Regulating District and the Regional Director of NYSDEC Region 5 is required prior to a drawdown below the winter target. As part of that consultation, the Regulating District shall describe the need for the drawdown (including the snowpack water content), the approximate drawdown level needed, and the approximate duration of the drawdown. Climatic conditions allow on average about two weeks after the March decision time to actually lower the impoundment. Therefore, the drawdown is expected to be within a couple of feet of the winter target elevation.

A.2 DESCRIPTION OF THE PROJECTS

A General Location Map of the projects is included as Figure A.2-1. Table A.2-1 is a listing of project data.

A complete description of the features of each of the subject projects can be found in Exhibits A, B, and C of the respective Applications for New License submitted to the FERC. Complete copies of the applications and follow-up filings are on file at the offices of Orion Power, Fulton and Saratoga Counties, NYSDEC, USFWS, and NYRU. A detailed description of the environmental resources and setting of the projects can be found in Exhibit E of each of the respective applications. The following are summary descriptions of the projects included in this Settlement Offer:

A.2.1 E. J. West Project, FERC No. 2318

The E.J. West Project is located on the Sacandaga River approximately six river miles above its confluence with the Hudson River and approximately 76 river miles north of Albany, New York. The project, constructed in 1930, was granted an original license in 1963 for the hydroelectric generation facilities, but exclusive of Conklingville Dam and Great Sacandaga Lake. The project for which a new license application has been made is located in the towns of Hadley, Day, Edinburg, Providence (Saratoga County); Broadalbin, Mayfield, Northampton (Fulton County); Village of Northville (Fulton County); and Town of Hope (Hamilton County), New York. The E.J. West Project's new license application includes the 25,940 acre Great Sacandaga Lake, the Conklingville dam (which is owned by the State of New York and operated by the Hudson River-Black River Regulating District (Regulatory District) and located at the outlet of Great Sacandaga Lake) and the E.J. West powerhouse (which is owned and operated by Erie and is located at the Conklingville dam). The powerhouse contains two Francis turbines with a combined maximum hydraulic capacity of 4,900 cfs, at 53 feet of head (weighted annual average). At full pond elevation the maximum hydraulic capacity is 5,400 cfs. The project has an installed capacity of 20 MW, and produces an average of 65,864 MWh annually.

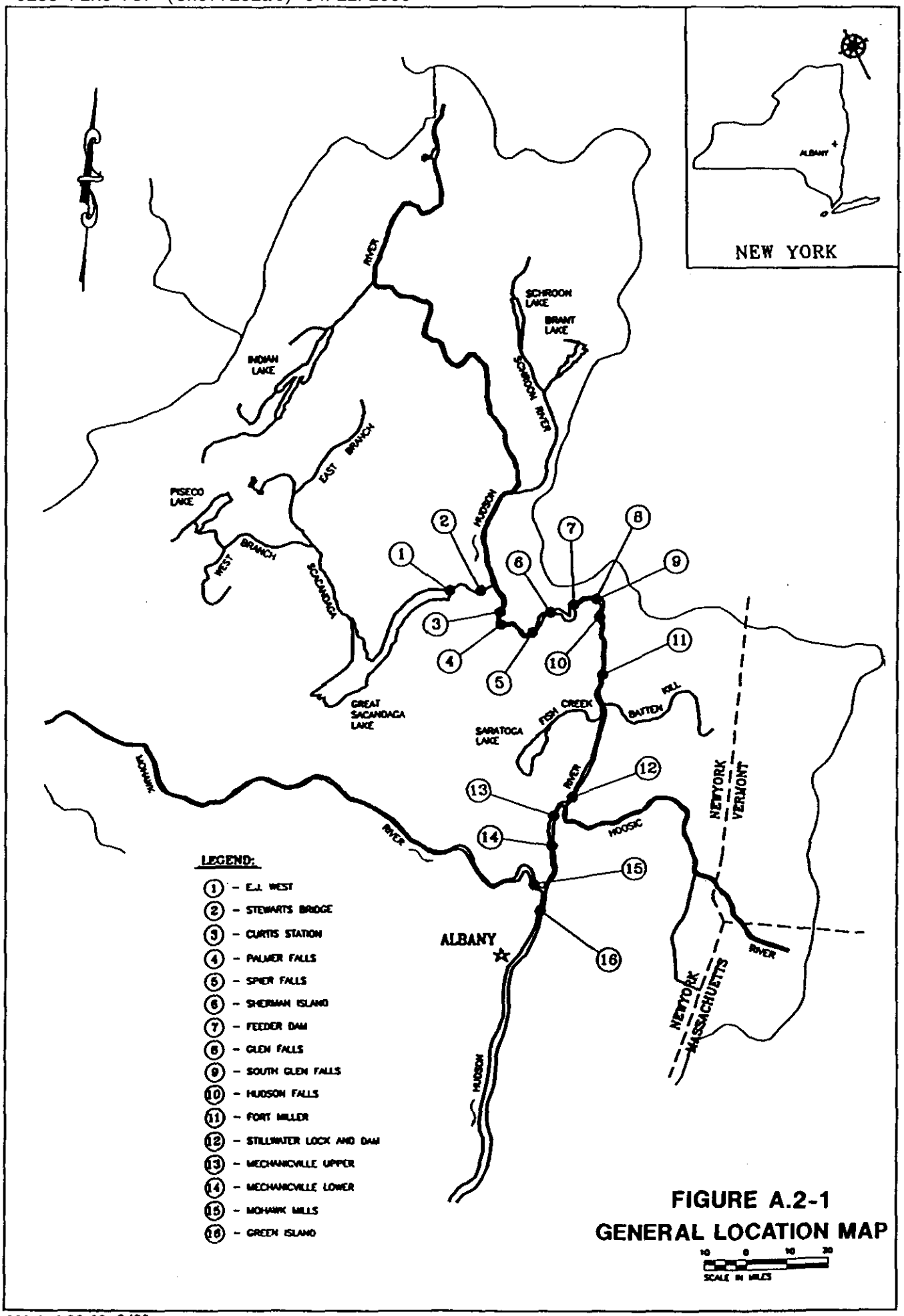

FIGURE A.2-1
GENERAL LOCATION MAP

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Table A.2-1

Project Data

Project	**FERC No.**	River Mile	**Capacity (MW)**	**Impoundment (Acres)**
E.J. West	2318	(Sacandaga River) 6	20	25,940
Stewarts Bridge	2047	3	30	480
[redacted]				
Hudson River	2482			
Spier Falls		213	51	638
Sherman Island		209	30	305
Feeder Dam	2554	202	6	717
[redacted]				

[redacted] Indicates Projects not included in this Settlement.

A.2.1.1 Regulatory Status

The E.J. West Project was granted an initial license in 1963 and was assigned a license expiration date of December 31, 1993. An application for new license was filed with the FERC on December 11, 1991. An application for water quality certification was made on December 11, 1991 and denied by NYSDEC, without prejudice, on or about November 19, 1992. Since the expiration date of the initial FERC license, the project has been granted annual licenses for its continued operation under the terms of the initial license.

A.2.1.2 Purpose and Justification of Settlement Agreements

The provisions of the Settlement Offer address non-power and power benefits at the E.J. West Project in the areas discussed below.

A.2.1.2.1 Flood Control

An important objective of the Settlement Offer is to preserve the ability of the Regulating District to control flooding and provide flow augmentation on the Hudson River. By means of a hydrologic operations model developed by the Licensee in Settlement Offer discussions, and relied upon by signatories to this agreement to assess operational alternatives, the consequences of a number of scenarios for changes to the operation of Great Sacandaga Lake were analyzed. The analysis considered the control of releases from Great Sacandaga Lake to limit flooding on the Hudson River (see Section 3.3.2), and the revised operating plan for the lake is based on the model outputs relating to flood levels on the Hudson, such that the magnitude of the published 100-year flood would not be materially affected.

A.2.1.2.2 Water Quality

To a large extent, water quality in the Upper Hudson and Sacandaga Rivers is a function of flow. Water quality in the Hudson Rivers is generally good, while water quality in the Sacandaga River is listed in the NYSDEC's most recent 305b Report as impaired. Conditions affecting the Sacandaga River include low natural inflow, operation of Great Sacandaga Lake by the Regulating District and operation of the E.J. West and Stewarts Bridge Projects. The hydrologic operations model used in considering alternatives for Settlement Offer considered the effect of changes in the operation of Great Sacandaga Lake on flows within the Upper Hudson River. According to the NYSDEC, the Upper Hudson River's water quality will be maintained if a daily average of 1,760 cfs is maintained in the river as measured below the confluence of the Sacandaga and Hudson Rivers. Water quality in the Sacandaga River was also considered through the analysis of potential base flows below the Stewarts Bridge Project. The elements of this Settlement Offer relating to the discharge of flows from Great Sacandaga Lake (as well as from the Stewarts Bridge Project) are intended to meet NYSDEC's water quality flow requirements in both the Sacandaga and Hudson Rivers, allowing for consideration of maximum drawdown levels in Great Sacandaga Lake.

A.2.1.2.3 Fisheries

Great Sacandaga Lake supports a regionally important sport fishery for northern pike, walleye and smallmouth bass. Since 1990, an annual multi-municipal funded trout-stocking program has been conducted on the Great Sacandaga Lake in an effort to enhance fishing opportunities. Additional species known to reside in the lake include sunfish, black crappie, yellow perch, brown bullhead, trout (brown, rainbow and Donaldson trout) and salmon. There are no anadromous or catadromous species known to be present in the lake. The Settlement Offer provides for

targeted winter drawdown limitations, and increased fish protection at the E.J. West Project, as an enhancement to fish stocking over the current conditions.

The winter drawdown of the Great Sacandaga Lake currently varies from year to year with a maximum potential drawdown to elevation 735 feet (the pre-settlement low-flow line at this time of year). By reducing the drawdown, signatories agree that benthic invertebrate production may increase, fewer fish will become trapped in small pools during the winter, and general lake productivity will increase. However, this enhancement in reservoir productivity may increase the frequency and duration of reservoir elevations above 771 to provide downstream flood protection. The signatories agreed that the operating plan contained in this settlement balances increased lake productivity with flood risks in the lake and downstream. The signatories also agreed that a phased schedule whereby the Regulating District will target a lowest winter drawdown elevation of 748, 749 and then 750 feet during discrete time periods throughout the E.J. West license term will be implemented.

A.2.1.2.4 Recreation

Great Sacandaga Lake is a recreational resource of statewide significance. The provisions of this Settlement Offer are intended to enhance recreational opportunities primarily through the establishment of limitations on the drawdown of the lake during the boating and summer season, and extending drawdown limitations into the fall season. These enhancements, combined with operational and physical measures to enhance fishery resources, and the provision of an informal overlook site and canoe portage around Conklingville Dam, are intended to improve recreational resources at Great Sacandaga Lake. In addition, the higher wintertime target elevations will reduce the number of shoreline obstructions (rocks, stumps, etc.) that are potential hazards to snowmobilers and other winter recreationists.

The Great Sacandaga Lake should be maintained at 760 feet or higher through October 15th of each year to promote greater recreational use of the lake. It is believed that maintaining the lake higher later in the recreation season could extend the recreation season and benefit the local economy.

The signatories agreed to an approximate 4,000 cfs whitewater flow below Stewarts Bridge for a certain number of hours each day throughout the whitewater recreation season. To ensure that each days' whitewater demand flow is met, the Regulating District will allocate the necessary volume of water, when available, needed to meet the demand.

A.2.1.2.5 Project Power

The provisions of this Settlement Offer are intended to minimize the loss of peaking energy output from the E.J. West Project. Under the provisions of this Settlement Offer, the average annual generation from the E.J. West Project will be increased.

This settlement calls for a reduction in the magnitude of the winter drawdown of Great Sacandaga Lake and operation of the Great Sacandaga Lake at higher levels to enhance fall lake recreation. These measures result in energy losses at Stewarts Bridge and the hydroelectric projects located on the Hudson River. To help offset some of the energy loss, it was agreed that the Regulating District's Chief Engineer would use storage at the upper lake levels. In the past (pre-settlement), the District operated Great Sacandaga Lake during the refill period to discharge large volumes of water once the lake reached a few feet below elevation 771. This type of operation provided an extra few feet of flood buffer storage in the Great Sacandaga Lake, but also caused spillage at the downstream hydroelectric projects and hence lost potential energy. A more aggressive use of flood storage will result in storing water longer, and then releasing

it at a higher lake elevation than under pre-settlement operations. The end result is to reduce the amount of spillage that occurs at the downstream hydroelectric projects compared to pre-settlement operations.

It was also agreed as part of settlement that within the operations model, the lake elevation should not exceed elevation 770 feet by more than 20% (*i.e.* six days) on average during the month of May. The operational conditions of this settlement were simulated in an operations model for the period of record. The May lake elevation historically exceeded elevation 770 feet about 17% of the time.

A.2.2 Stewarts Bridge Project, FERC No. 2047

The Stewarts Bridge Project is located on the Sacandaga River in the town of Hadley, Saratoga County. The Project dam is located approximately three river miles upstream of the confluence of the Sacandaga and Hudson Rivers in the towns of Hadley and Lake Luzerne, New York. The project, constructed in 1952, was granted an original license on July 1, 1950. The drainage area at the project is approximately 1,055 square miles. The Stewarts Bridge Project consists of a dam, spillway, 480-acre impoundment, intake structure, powerhouse, tailrace, and appurtenances. The powerhouse contains a single Francis turbine with a maximum hydraulic capacity of 5,475 cfs. The Project has an installed capacity of 30 MW, and produces an average of 118,678 MWh annually. The Stewarts Bridge Project is designed to operate as a peaking plant, working in series with the E.J. West Project.

A.2.2.1 Regulatory Status

The Stewarts Bridge Project was granted an initial license in 1950 and was assigned a license expiration date of July 1, 2000. An application for new license was filed with the FERC on June 19, 1998. An application for water quality certification was made to NYSDEC on June 19, 1998.

A.2.2.2 Purpose and Justification of Settlement Agreements

The provisions of the Settlement Offer address non-power and power benefits at the Stewarts Bridge Project in the following primary areas:

A.2.2.2.1 Fisheries

The project waters support a naturally reproducing coolwater/warmwater fishery. Common game species include smallmouth bass, walleye, rock bass, and yellow perch. The project waters also support a number of forage fish and rough fish. There are no anadromous or catadromous fish species known in project waters. The Settlement Offers provisions to eliminate the spring maintenance drawdown of the impoundment, provide for fish protection and downstream movement, and provide a base flow in the Sacandaga River below the project are intended to improve conditions for resident fish species and other aquatic organisms.

The signatories concluded that a base flow of 350 cfs shall be maintained for the enhancement and/or protection of forage fish and benthic invertebrate production, aesthetics, spawning for fish, fish movement, fishing opportunities, and water quality. The base flow of 350 cfs was chosen to wet the majority of the substrate, which will maintain invertebrate and forage fish production in the 3 mile reach of the Sacandaga River below Stewarts Bridge. The base flow will provide increased habitat for other fish species and will serve as a buffer to the habitat when higher generation flows are released. The base flow is low enough to minimize impacts to whitewater recreation, power generation, and downstream flooding. The base flow may be provided from Great Sacandaga Lake storage for portions of the year; however, when storage is depleted, base flows are reduced to spread the impacts over both the Lake and the Sacandaga River. The signatories also agreed that if Great

Sacandaga Lake fell below elevation 752, then the base flow should be reduced to 300 cfs, and to 300 cfs or inflow, whichever is less, if the lake level is lower than elevation 750. The base flow reduction was agreed upon to strike a balance between resource protection on Great Sacandaga Lake and resource protection in the Sacandaga River.

The signatories agreed that the base flow should be curtailed to 200 cfs when the Hudson River just above the confluence with the Sacandaga River (at the USGS Hadley gauge) is 25,000 cfs or higher. It was noted that under these flood conditions, the District would not release water to a flood. The flow needed to meet 200 cfs will be provided from a combination of the incremental drainage area (11 mi^2) between Conklingville and Stewarts Bridge as well as the one-foot of available storage at Stewarts Bridge.

A.2.2.2.2 Recreational Facilities

The area around the Stewarts Bridge Reservoir is used for recreational activity, both at commercial facilities and at facilities maintained by the Licensee. A number of measures in the Settlement Offer are intended to improve recreational opportunities around the reservoir, as well as along the Sacandaga River below the project.

A.2.2.2.3 Maintenance and Enhancement of Whitewater Opportunities

Downstream of the Stewarts Bridge Project, the Sacandaga River provides exceptional opportunities for whitewater rafting, boating and canoeing as a result of the peaking discharges from the powerhouse. The provisions of this Settlement Offer are intended to improve current and expected use of whitewater opportunities to maintain existing values and to achieve enhancements to recreational resources that balance fishing and boating needs while sustaining the project's generating capacity.

A.2.2.2.4 Management of Licensee's Liability and Non-Project Assets

Erie has consistently sought to manage the liability to which it is exposed through the operation of the Stewarts Bridge Project to enhance whitewater opportunities in the Sacandaga River. The provisions of this Settlement Offer are intended to provide some additional protection to Erie by maintaining the operation of the River Manager Program and the existing boating and rafting put-in and take-out sites with provision for their transfer to the NYSDEC or another entity.

A.2.2.2.5 Project Power

The provisions of the Settlement Offer are intended to preserve, to the extent possible, the storage and release/peaking operation of the Stewarts Bridge Project, and Erie's ability to schedule generation when needed. The Settlement Offer's provision for a base flow below the project limits the effect on project generation while providing reasonable protection for aquatic resources in the river. A reduction in annual generation from the project is expected.

A.2.3 Hudson River Project, FERC No. 2482

The Hudson River Project is located on the Hudson River, approximately 65 river miles from Albany, New York. The Project, constructed early in this century, was granted an original license in 1968. The Hudson River Project presently consists of two developments: Spier Falls, located at river mile 213 on the Hudson River and Sherman Island, located at river mile 209. The drainage area at the Sherman Island Site is approximately 2,800 square miles. The constructed facilities are located in the counties of Warren and Saratoga, New York, in the towns of Moreau, Corinth, Lake Luzerne, and Queensbury. The City of Glens Falls lies east of Sherman Island Dam and Spier Falls Dam at a distance of about 5 to 10 miles, respectively.

Spier Falls Development

The Spier Falls Development includes a 638 acre reservoir impounded behind a gravity type dam, a spillway, forebay, intake structure, penstocks and powerhouse containing two generating units connected to two Francis turbines with a combined maximum hydraulic capacity of approximately 8,970 cfs, at 83 feet of head. These generating facilities have a total capacity of 50 MW, which produce an average annual energy production of 214,372 MWh. The development discharges directly into the project's Sherman Island Reservoir. Under normal flow conditions, the Spier Falls Development is designed to operate as a peaking plant providing power that otherwise would be supplied by more costly non-renewable fossil fuel generation sources. The Spier Falls Reservoir is large enough to provide daily store and release operation.

Sherman Island Development

The existing Sherman Island Development includes a 305 acre reservoir impounded behind an Ambursen type dam, a horseshoe spillway, 3,100 foot long power canal with headworks structure, intake structure, penstocks and powerhouse containing four generating units connected to four Francis turbines with a combined maximum hydraulic capacity of approximately 6,600 cfs, at 69 feet of head. These generating facilities have a total capacity of 28 MW, with an average annual energy production of 144,452 MWh. The development discharges directly into the upper reaches of the Feeder Dam Project reservoir.

The Sherman Island Development follows the Spier Falls Development's daily peaking discharge as much as possible, utilizing storage to satisfy load requirements and to accomplish a modest level of flow re-regulation, concentrating discharge over longer time periods at levels at or below Sherman Island total turbine discharge capacity.

A.2.3.1 Regulatory Status

The Hudson River Project was granted an initial license in 1968 and was assigned a license expiration date of December 31, 1993. An application for new license was filed with the FERC on December 18, 1991. An application for water quality certification was made to NYSDEC on December 18, 1991 and denied, without prejudice, on or about November 19, 1992. Since the expiration date of the initial license, the project has been granted annual licenses for its continued operation under the terms of the initial license.

A.2.3.2 Purpose and Justification of Settlement Agreements

The provisions of the Settlement Offer address power and non-power benefits at the Hudson River Project in the following primary areas:

A.2.3.2.1 Fisheries

The project waters of both the Spier Falls and Sherman Island Developments support a naturally reproducing coolwater/warmwater fishery. Common game species include northern pike, brown trout, walleye, yellow perch, smallmouth bass, largemouth bass and rock bass. The project waters also support a number of forage fish and rough fish. There are no anadromous fish known in the project waters. American eel, a catadromous species, is present in the Hudson River. The Settlement Offer provisions to reduce impoundment fluctuations at both developments, along with the provision for fish protection at turbine intakes and downstream movement facilities are intended to improve conditions for fish populations and other aquatic organisms. In addition, the provision of flows in the Sherman Island bypass are intended to benefit aquatic life and to facilitate walleye spawning in the spring.

Specific minimum flows and impoundment fluctuation limitations are included in the Settlement Offer to protect and enhance walleye spawning, which is dependent on temperature ranges in the early spring (between April and June). For the purpose of establishing the duration of flows and reduced impoundment fluctuations at the Hudson River Project, the criteria shown in Section 1.14 of the Offer of Settlement shall be used unless modified by mutual agreement between the Licensee, NYSDEC and the USFWS. These criteria were developed in accordance with the NYSDEC's Definition of Walleye Spawning Season.

A.2.3.2.2 Recreation

The largely undeveloped shorelines and existing recreational facilities of the Spier Falls and Sherman Island impoundments offer a number of recreational opportunities, including fishing, boating, picnicking and vicinity hiking. The provisions of this Settlement Offer are intended to improve and enhance current recreational opportunities. The Spier Falls and Sherman Island boat launches are expected to adequately accommodate public access to project waters.

A.2.3.2.3 Project Power

The provisions of this Settlement Offer are intended to preserve, to the extent possible, the storage and release/peaking generation capability of the project and its ability to reregulate flows from upstream facilities. The proposed limitations on impoundment fluctuations and the provision of flows to the Sherman Island bypass will have the effect of reducing generation at both developments.

A.2.4 Feeder Dam Project, FERC No. 2554

The Feeder Dam Hydroelectric Project is located on the Hudson River, at river mile 202, in the towns of Moreau, Saratoga County and Queensbury, Warren County,

New York. The project is two river miles upstream from the City of Glens Falls and 52 river miles upstream from the Federal Lock and Dam in Troy, New York. The drainage area at the site is approximately 2,800 square miles. The Project was constructed in 1923-1924 and its original owner, Moreau Manufacturing Corporation (Moreau) was granted an initial license on July 31, 1968 for Moreau hydroelectric facilities at the site, exclusive of Feeder Dam and its associated impoundment. The Feeder Dam is an uncontrolled overflow gravity dam, owned and operated by the New York State Canal Corporation, with a 717-acre impoundment. The Feeder Dam AIR response contains a draft Memorandum of Agreement for the use of this dam.

The Project consists of the Feeder Dam, a canal, intake structure, headgate structure and powerhouse containing five generating units connected to propeller turbines with a combined maximum hydraulic capacity of approximately 5,100 cfs, at 16 feet of head. The Project has a plant generating capacity of 6 MW producing an average annual energy production of 29,141 MWh.

A.2.4.1 Regulatory Status

The Feeder Dam Project was granted an initial license in 1968 and was assigned a license expiration date of December 31, 1993. An application for new license was filed with the FERC on December 20, 1991. An application for water quality certification was made to NYSDEC on December 13, 1991 and subsequently denied, without prejudice, in November 1992. Since the expiration date of the initial license, the project has been granted annual licenses for its continued operation under the terms of the initial license.

A.2.4.2 Purpose and Justification of Settlement Agreements

The provisions of the Settlement Offer address non-power and power benefits at the Feeder Dam Project in the following primary areas:

A.2.4.2.1 Fisheries

The Hudson River in the Feeder Dam vicinity primarily supports a warmwater fishery, although both coldwater (trout) and coolwater (walleye) species are found in the area. Yellow perch and smallmouth bass are the dominant game species in the impoundment, followed by chain pickerel and largemouth bass. Panfish are represented by pumpkinseed, rock bass and redbreast sunfish, with a number of forage fish also present. Walleye, brook trout and brown trout have been sampled in the Sherman Island bypass upstream of the Feeder Dam impoundment. No anadromous fish species are known to occur at the project. Two American eel were sampled in the project impoundment in 1984. Settlement Offer provisions to limit the fluctuation of the project impoundment, and to provide fish protection and downstream movement facilities at the powerhouse intakes are intended to improve conditions for resident fish species and other aquatic organisms.

A.2.4.2.2 Recreation

There are no recreational facilities at the project currently maintained by the Licensee. Properties owned by the Licensee along the reservoir are being maintained as an undeveloped buffer zone, and are available for public use. The extensive recreational facilities provided for in this Settlement Offer are intended to enhance recreational opportunities at the project and to be consistent with the goals of the Feeder Canal Alliance.

A.2.4.2.3 Feeder Canal Provisions

The impoundment of the Feeder Dam Project is operated by the New York State Canal Corporation to insure a water supply to the Feeder Canal to permit navigation of the summit of the Champlain Barge Canal between Fort Edward and Lake Champlain. The flow reserved for this

purpose is up to 200 cfs from May through November, although the actual amount needed may vary according to the amount of precipitation. The average flow needed from the impoundment is approximately 100 cfs. This Settlement Offer is intended to maintain the capability for the New York State Canal Corporation to supply water to the canal to permit navigation as needed.

A.2.4.2.4 Project Power

The provisions of the Settlement Offer are intended to preserve, to the extent possible, the storage and release/peaking generation capability of the Feeder Dam Project, along with its ability to reregulate the flows received from upstream. Reductions in impoundment fluctuations over current operation and the provision of a base flow below the project are expected to slightly increase annual generation.

A.3 RELATIONSHIP TO PROJECTS OF OTHERS

The subject projects comprise four out of the eight hydroelectric projects located in the Upper Hudson River Basin above Hudson Falls, New York. They have diverse regulatory backgrounds as described below.

As shown on Figures A.2-1 and A. 2-2 and on Table A. 2-1, the subject projects are located in an area of the Upper Hudson River Basin adjacent to hydroelectric projects owned and operated by others. The location and a summary description of these projects is provided below.

A.3.1 Curtis/Palmer Falls Project, FERC No. 2609

The Curtis/Palmer Falls Project on the Hudson River is owned and operated by Curtis/Palmer Hydroelectric Associates L.P. and International Paper Company. The Project facilities are located at River Mile 218 within the Town and Village of Corinth adjacent to International Paper's Hudson River Mill, and comprise two dams and associated impoundments and powerhouses. The impoundment of the Curtis

Development extends upstream to the confluence of the Hudson and Sacandaga Rivers. The total installed capacity of both developments is 58.8 MW with a hydraulic capacity of 6,500 cfs at Curtis and 7,500 cfs at Palmer Falls. The initial license for the project expires on May 1, 2000, and an application for new license was filed with the FERC on April 13, 1998. The FERC issued a Draft Environmental Assessment for relicensing of the Project on January 29, 1999. Water Quality Certification was issued by NYSDEC on July 5, 1998.

A.3.2 Glens Falls Project, FERC No. 2385

The Glens Falls Project on the Hudson River is owned and operated by Finch, Pruyn& Company, Inc. The project facilities are located at about river mile 200 within the town of Queensbury and the City of Glens Falls, Warren County, New York. The Project consists of a powerhouse with five Francis turbines and generators with a total installed capacity of 12 MW and hydraulic capacity of 4,465 cfs. The Project impoundment has a total surface area of 167 acres. The Project Dam is shared by this project and the South Glens Falls Project. The Project was granted an initial license on July 30, 1968 with an expiration date of December 31, 1993. An application for new license was filed on December 4, 1991, and is currently undergoing environmental assessment by FERC.

A.3.3 South Glens Falls Project, FERC No. 5461

The South Glens Falls Project on the Hudson River is licensed to Orion Power and South Glens Falls Limited Partnership. The project facilities are located at about river mile 200 within the Village of South Glens Falls and Town of Moreau, Saratoga County, New York. The Project consists of a powerhouse and two generating units with a total installed capacity of 13.8 MW and a hydraulic capacity of 4,900 cfs. The Project dam is a concrete gravity multiple arch dam, with an impoundment surface area 167 acres. The Project received a new license on December 2, 1992 with a 50-year term. A request for water quality certification was filed on October 7,1981 and granted on June 6, 1986.

A.3.4 Hudson Falls Project, FERC No. 5276

The Hudson Falls Project on the Hudson River is licensed to Orion Power and Northern Electric Power Company, L.P. The Project facilities are located at river mile 198 within the town of Moreau, Saratoga County, New York. The project consists of a powerhouse with three Kaplan turbines and a total installed capacity of 36.1 MW and a hydraulic capacity of 7,500 cfs. The Project dam is a concrete gravity dam, with an impoundment surface area of 103.3 acres. The Project received a new license on December 2, 1992 with a 50-year term. A request for water quality certification was filed on December 12, 1990 and granted on April 24, 1991.

APPENDIX B

STATUTORY UNDERSTANDINGS OF THE PARTIES

APPENDIX B

STATUTORY UNDERSTANDINGS OF THE PARTIES

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APPENDIX B

STATUTORY UNDERSTANDINGS OF THE PARTIES

This Appendix was developed by Orion Power.

B.1 ENDANGERED SPECIES ACT (ESA)

The Parties are not aware of any populations or habitats of federally listed rare, threatened or endangered species that would be adversely affected by the provisions of this Settlement Offer. The Settlement Offer is therefore considered to be consistent with ESA.

B.2 CLEAN WATER ACT, SECTION 401

NYSDEC is expected to issue Water Quality Certification under the provisions of Section 401 of the Clean Water Act (PL92-500, as amended) for each of the subject projects consistent with the provisions of this Settlement Offer. Upon issuance of Section 401 Water Quality Certification for each project and acceptance of this Settlement Offer, FERC will be able to issue new licenses consistent with the requirements of the Clean Water Act.

B.3 NATIONAL HISTORIC PRESERVATION ACT

In July, 1996, Erie's predecessor, The Advisory Council on Historic Preservation and the New York State Historic Preservation Officer (NYSHPO) entered into a Programmatic Agreement ("PA") which addresses both historically and archaeologically significant sites within the Erie's entire hydro system. The PA identifies specific actions to be undertaken regarding protection, mitigation and enhancement of cultural resources, including provision for the development of a Cultural Resources Management Plan ("CRMP") for each project within one year of relicensing. Erie's commitment to develop a CRMP for the E.J. West, Stewarts Bridge and Hudson River Projects will fulfill the requirements of Section 106 of the National Historic Preservation Act. NYSHPO has stated that there are no National Register properties in the Feeder Dam Project Area. In 1987, NYSHPO stated that the redevelopment of the Feeder Dam Project would have no effect on historic or archaeological resources. Nothing in this Settlement

Offer is inconsistent with the requirements of Section 106 of the National Historic Preservation Act.

B.4 FEDERAL POWER ACT (FPA)

Sections 4 and 10

The FERC has broad responsibilities under Section 10(a) and 4(e) of the FPA, 16 U.S.C. §§ 803(a)(1) and 797(e), to consider and balance all aspects of the public interest in determining whether, and under what conditions, a hydroelectric license should be issued. Sections 4(e) and 10(a)(1) of the FPA, 16 U.S.C. §§ 797(e) and 803(a)(1), require the FERC, in acting on applications for a license, to give equal consideration to the power and development purposes and to the purposes of energy conservation, the protection, mitigation of damage to, and enhancement of fish and wildlife, the protection of recreational opportunities, and the preservation of other aspects of environmental quality. Any license issued shall be such as in the FERC's judgment will be best adapted to a comprehensive plan for improving or developing a waterway or waterways for beneficial public uses.

The Settlement Offer proposes and recommends license terms and conditions consistent with this standard. The environmental and recreational enhancements that will occur under the new license include: improved habitat and reproductive conditions for resident fish; improved fish protection at intakes; improved fish movement through the project; additional recreational facilities; and improved visual aspects.

Section 15(a)(2) of the FPA, 16 U.S.C. § 808(a)(2), provides that the requirements of Section 10 of the FPA, 16 U.S.C. § 803, pertaining to conditions of licenses are also applicable to FERC consideration of new license applications.

A. Federal and State Comprehensive Plans

Section 10(a)(2)(A) of the FPA, 16 U.S.C. § 803(a)(2)(A), requires FERC to consider the extent to which a project is consistent with federal or state comprehensive plans for improving, developing, or conserving waterways affected by the project. Comprehensive plans for this purpose are defined at 18

C.F.R. § 2.19 (1996). Under this statutory provision, federal and state agencies filed 23 comprehensive plans that address various resources in this part of New York State. The Parties believe the Settlement Offer is consistent with these Comprehensive Plans.

B. Recommendation of Other Agencies

Section 10(a)(2)(B) of the FPA, 16 U.S.C. § 803(a)(2)(B), requires FERC to consider the recommendations of relevant federal and state agencies exercising administration over flood control, navigation, irrigation, recreation, cultural, and other relevant resources, as well as the recommendations of Indian tribes affected by the project. The Settlement Offer constitutes the recommendations concerning these resources. No Indian tribe made any filings.

C. Consumption Efficiency Improvement Program

Section 10(a)(2)(C) of the FPA, 16 U.S.C. §§ 803(a)(2)(C), requires that FERC, in acting on a license application, consider the electricity consumption efficiency improvement program of the applicant, including its plans, performance, and capabilities for encouraging or assisting its customers to conserve electricity cost-effectively, taking into account the published policies, restrictions, and requirements of state regulatory authorities. The Settlement Offer is consistent with the requirements of Section 10(a)(2)(C) of the FPA.

D. Recommendations of Federal and State Fish and Wildlife Agencies

Section 10(j) of the FPA, 16 U.S.C. § 803(j), requires FERC to include license conditions based on recommendations of federal and state fish and wildlife agencies submitted pursuant to the Fish and Wildlife Coordination Act for the protection, mitigation, and enhancement of fish and wildlife resources. The Settlement Offer represents the recommendations of USFWS and NYSDEC and is thus consistent with these requirements.

Section 18

Pursuant to Section 18 of the Federal Power Act, as amended, the Secretary of the DOI, as delegated to the USFWS, exercises his authority by reserving the authority to prescribe the construction, operation and maintenance of such fishways as deemed necessary. This reservation includes authority to prescribe fishways for any fish species to be managed, enhanced, protected, or restored in the basin during the term of the license. It is the position of the Secretary and the USFWS that such authority includes measures to evaluate the need for fishways, and to determine, ensure, or improve the effectiveness of such fishways.

Section 21

Pursuant to Section 21 of the FPA ". . . no licensee may use the right of eminent domain under this section to acquire any lands or other property that, prior to the date of enactment of the Energy Policy Act of 1992, were owned by a State or political subdivision thereof and were part of or included within any public park, recreation area or wildlife refuge established under State or local law. . . ."

The above-referenced prohibition of a hydropower project Licensee using the Federal Power Act-granted right of eminent domain is believed to prohibit Erie Boulevard from condemning lands acquired by the Hudson River-Black River Regulating District and owned by the State of New York at Conklingville Dam and its associated Sacandaga Reservoir because those state-owned lands, by virtue of being in the Adirondack Park and/or part of New York's "forest preserve," are "part of or included within any public park, recreation area or wildlife refuge established under State . . . law."

Respecting the intent as well as the letter of Section 21, the signatories to this Settlement Offer agree, that the FERC hydro project Licensee for E.J. West Project will not use any power of eminent domain vested by Section 21 of the FPA to acquire any State-owned lands that are within the Adirondack Park and/or the forest preserve.

B.5 FISH AND WILDLIFE COORDINATION ACT

Section 10(j) of the FPA, 16 U.S.C. § 803(j), requires the Commission to include license conditions based on recommendations of federal and state fish and wildlife agencies submitted pursuant to the Fish and Wildlife Coordination Act for the protection, mitigation and enhancement of fish and wildlife resources. The Settlement Offer represents the recommendations of USFWS and NYSDEC and is thus consistent with these requirements.

B.6 NEW YORK STATE CONSTITUTION

Article XIV, Sections 1 and 2

Article XIV of the New York State Constitution indicates, in pertinent part, that:

§ 1 The lands of the state, now owned or hereafter acquired, constituting the forest preserve as now fixed by law, shall be forever kept as wild forest lands. They shall not be leased, or sold or exchanged, or be taken by any corporation, public or private, nor shall the timber thereon be sold, removed or destroyed.

§ 2 The legislature may by general laws provide for the use of not exceeding three per centum of such lands for the construction and maintenance of reservoirs for municipal water supply, and for the canals of the state. Such reservoirs shall be constructed, owned and controlled by the state. . .

The project lands of The Great Sacandaga Lake Project, E. J. West Project, Stewarts Bridge Project, Hudson River Project and Feeder Dam Project are located in Hamilton, Fulton, Saratoga and Warren Counties, all counties where state land ownership equates to those state lands being part of New York State's Forest Preserve. Nothing in the Settlement Offer is inconsistent with this constraint of the New York State Constitution.

Article XV, Sections 1 and 2

Article XV of the New York State Constitution indicate in pertinent part that:

§ 1 The legislature shall not sell, abandon, or otherwise dispose of the now existing or future improved barge canal, the divisions of which are the Erie Canal, the Oswego Canal, the Champlain Canal, and the Cayuga and Seneca Canals, or of the terminals constructed as part of the barge canal system; nor shall it sell, abandon or otherwise dispose of any portion of the canal system existing prior to the barge canal improvement which

portion forms a part of, or functions as a part of, the present barge canal system; but such canals and terminals shall remain the property of the state and under its management and control forever.

§ 2 The legislature may by appropriate legislation authorize the sale, exchange, abandonment or other disposition of any barge canal lands, barge canal terminals, barge canal terminal lands or other canal lands and appertaining structures which have or may become no longer necessary or useful as a part of the barge canal system, as an aid to navigation thereon, or for barge canal terminal purposes.

Nothing in the Settlement Offer is inconsistent with this constraint of the New York State Constitution.

B.7 NEW YORK STATE ENVIRONMENTAL CONSERVATION LAW (ECL)

Article 9, Titles 1 and 3

Environmental Conservation Law § 9-0101(a) indicates the "Adirondack Park" shall include all lands located in the forest preserve counties of the Adirondack . . . within specified boundaries. The project lands for Great Sacandaga Lake Project, E. J. West Project No. 2318 and Stewarts Bridge Project No. 2047 are within the boundary of the "Adirondack Park."

Environmental Conservation Law § 9-0101(6) includes as "forest preserve" land "the lands owned or hereafter acquired by the state within the . . . counties of . . . . Fulton, . . . Hamilton, . . . Saratoga, . . . Warren. . . . ." Thus, state-owned lands at Conklingville Dam and the Sacandaga Reservoir are Forest Preserve lands.

Article XV, Title 21

This article of New York State's Environmental Conservation Law ("ECL") deals with "River Regulation by Storage Reservoirs." It was pursuant to the predecessor of this provision of law that the Sacandaga Reservoir was created as a storage reservoir by the State of New York's acquisition of land and construction of the Conklingville Dam in the 1920's. Among other things, this article of the ECL also specifies upper and lower limits on reservoir levels as well as minimum flow levels and constitutes the Regulating District as the body corporate and municipal corporation to plan, finance, build, operate and maintain the storage reservoir at the Sacandaga Reservoir.

Nothing in the Settlement Offer is inconsistent with the Regulating District's ownership and/or operation of the Conklingville Dam and the Sacandaga Reservoir (now known as Great Sacandaga Lake).

B.8 NEW YORK STATE EXECUTIVE LAW, ARTICLE 27

All of E.J. West Project and Stewarts Bridge Project lands are located within the Adirondack Park. Section 801 of New York State's Executive Law creates the Adirondack Park Agency and describes the Adirondack Park and its attributes as follows:

> The Adirondack Park is abundant in natural resources and open space unique to New York and the eastern United States. The wild forest, water, wildlife and aesthetic resources of the Park, and its open space character, provide an outdoor recreational experience of national and international significance.
>
> * * * *
>
> Our forefathers saw fit nearly a century ago to provide rigid constitutional safeguards for the public lands in the Adirondack Park. Today forest preserve lands constitute approximately forty percent of the six million acres of land in the Park.
>
> * * * *
>
> Continuing public concern, coupled with the vast acreages of forest preserve holdings, clearly establishes a substantial state interest in the preservation and development of the Park area. The State of New York has an obligation to insure that contemporary and projected future pressures on the Park resources are provided for within a land use control framework which recognizes not only matters of local concern but also those of regional and State concern.
>
> * * * *
>
> The basic purpose of this article is to insure optimum overall conservation, protection, preservation, development and use of the unique scenic, aesthetic, wildlife, recreational, open space, historic, ecological and natural resources of the Adirondack Park.
>
> A further purpose of this article is to focus the responsibility for developing long-range Park policy in a forum reflecting statewide concern. This policy shall recognize the major state interest in the conservation, use and development of the Park's resources and the preservation of its open space character, and at the same time, provide a continuing role for local government.
>
> The Adirondack Park land use and development plan set forth in this article recognizes the complementary needs of all the people of the State for the preservation of the Park's resources and open space character and of the Park's permanent, seasonal and transient populations for growth and

> service areas, employment, and a strong economic base, as well. In support of the essential interdependence of these needs, the plan represents a sensibly balanced apportionment of land to each. . . . .

It is assumed that State-owned forest preserve lands within the Adirondack Park, by virtue of those lands' status as being part of the State's forest preserve and/or part of the State's Adirondack Park, meet the criteria of Section 21 of the FPA, such that a FERC-granted right of eminent domain is not available to acquire State lands at the E.J. West Project for hydropower project purposes.

B.9 NEW YORK STATE CANAL LAW, ARTICLE VI, SECTION 54

Section 54 of New York State's Canal Law authorizes, subject to certain terms and conditions, the State's abandonment and sale to a FERC hydro project Licensee of a "hydropower easement in barge canal system lands and waters which are within the boundaries of such federally licensed project . . .." Thus, at Feeder Dam Project, the State of New York may convey a hydroelectric easement to the FERC project licensee for those lands and water owned by the State, e.g., Feeder Dam and its associated impoundment.

B.10 NEW YORK STATE PUBLIC AUTHORITIES LAW, ARTICLE 2, TITLE 9, SECTION 382

This section of New York law creates the New York State Canal Corporation as a subsidiary of the New York State Thruway Authority "to operate, maintain, construct, reconstruct, improve, develop, finance and promote the New York State canal system." Among the powers specifically given the Canal Corporation are those "powers and duties of the authority pursuant to the canal law." Thus, as regards the acquisition of a hydroelectric easement at Feeder Dam Project, the FERC project Licensee of that project would be dealing with the Canal Corporation and/or its parent the New York State Thruway Authority in terms of hydroelectric easement acquisition.

APPENDIX C

LIST OF STUDIES

APPENDIX C

Studies Conducted for the E.J. West Project

Study Publication Title	Author	Date
Upper Hudson and Sacandaga Rivers Comprehensive Environmental Plan	Niagara Mohawk Power Corporation	1992
System-Wide Whitewater Recreation Plan	Niagara Mohawk Power Corporation, Environmental Design and Research, and Ichthyological Associates, Inc.	1991
Proposed Sacandaga River Whitewater Program	Environmental Design and Research	1992
E.J. West Project Fish Entrainment and Mortality Study	Niagara Mohawk Power Corporation and Kleinschmidt Associates	1995

Studies Conducted for the Stewarts Bridge Project

Study Publication Title	Author	Date
Stewarts Bridge Project (FERC No. 2047) Water Quality Report	Kleinschmidt Associates	1997
Stewarts Bridge Project (FERC No. 2047) Walleye Spawning Survey Final Report	Kleinschmidt Associates	1996
Stewarts Bridge Project (FERC No. 2047) Fish Protection and Enhancement Study Report	Kleinschmidt Associates	1997
Stewarts Bridge Project (FERC No. 2047) Impoundment Fluctuation Study Report	Kleinschmidt Associates and Terrestrial Environmental Specialists	1997
Stewarts Bridge Project (FERC No. 2047) Assessment of Recreational Facilities and Use	Kleinschmidt Associates	1997
Upper Hudson and Sacandaga Rivers Comprehensive Environmental Plan	Niagara Mohawk Power Corporation	1992
Phase I Report – Habitat Mapping – Instream Flow Incremental Methodology Study of the Sacandaga River Downstream of the Stewarts Bridge	Ichthyological Associates, Inc.	1993
Phase II Report: Hydraulic Modeling and Steady-flow Habitat Modeling, Instream Flow Incremental Methodology Study of the Sacandaga River Downstream of the Stewarts Bridge	Ichthyological Associates, Inc.	1993
System-Wide Whitewater Recreation Plan	Niagara Mohawk Power Corporation, Environmental Design and Research, and Ichthyological Associates, Inc.	1991
Sacandaga River Whitewater Study Phase I Programmatic Review, Recommendations and Options	Environmental Design and Research	1992
Stewarts Bridge Project (FERC No. 2047) Flow Demonstration Study of the Sacandaga River Below the Stewarts Bridge Project	Kleinschmidt Associates	1997

Studies Conducted for the Hudson River Project

Study Publication Title	Author	*DATE*
Habitat Enhancement Study – Sherman Island Hydroelectric Project	Beak Consultants Incorporated	1988
Upper Hudson River Hydroelectric Developments – Walleye Spawning Surveys	Beak Consultants Incorporated	1989
Upper Hudson and Sacandaga Rivers Comprehensive Environmental Plan	Niagara Mohawk Power Corporation	1992
Field Investigations: Impoundment Fluctuations at the Spier Falls, Sherman Island and Feeder Dam Hydroelectric Developments in New York State	Lawler, Matusky & Skelly Engineers	1989
Hudson River Corridor Study – Conceptual Recreation Plan Phase III	The Saratoga Associates	1989
System-wide Whitewater Recreation Plan	Niagara Mohawk Power Corporation, Environmental Design and Research, and Ichthyological Associates, Inc.	1991
Hudson River Project Fish Entrainment and Mortality Study	Niagara Mohawk Power Corporation and Kleinschmidt Associates	1995

Studies Conducted for the Feeder Dam Project

Study Publication Title	Author	*DATE*
Upper Hudson River Hydroelectric Developments – Walleye Spawning Surveys	Beak Consultants Incorporated	1989
Field Investigations: Impoundment Fluctuations at the Spier Falls, Sherman Island and Feeder Dam Hydroelectric Developments in New York State	Lawler, Matusky & Skelly Engineers	1989
Hudson River Corridor Study – Conceptual Recreation Plan Phase III	The Saratoga Associates	1989
Upper Hudson and Sacandaga Rivers Comprehensive Environmental Plan	Niagara Mohawk Power Corporation	1992
System-wide Whitewater Recreation Plan	Niagara Mohawk Power Corporation, Environmental Design and Research, and Ichthyological Associates, Inc.	1991

APPENDIX D

SUMMARY OF HEC5P MODELING OF SACANDAGA-HUDSON SETTLEMENT SCENARIOS

APPENDIX D

SUMMARY OF HEC5P MODELING OF SACANDAGA-HUDSON SETTLEMENT SCENARIOS

This Appendix D contains a narrative description of the general capabilities and limitations of the HEC5P model, as well as a discussion of the model's use in developing the final scenarios for the Sacandaga Lake-Hudson River model. Table D1, which follows the narrative section, is the Final Summary of HEC5P Modeling of Sacandaga-Hudson Settlement Scenarios.

HEC5P Documentation

Origin of Program

The HEC5 program was developed at the Hydrologic Engineering Center (HEC), a research branch of the US Army Corps of Engineers, located in Davis, California. The initial version was written for flood control operation of a single flood event and was released in May 1973. The program was expanded to include operation for conservation purposes and for period-of-record routing and re-released in February 1978. The June 1979 version was the last major release of the program by HEC. In 1982, the HEC5P version of the program was created. Since that time, this version has been enhanced independently by Gary Franc. Major changes to the program have dealt with hydropower improvements and conversion of the program to a PC environment.

Purpose of Program

This program will assist in planning studies that evaluate proposed reservoir operations within a system of reservoirs on a watershed and/or to assist in sizing the flood control and conservation storage requirements for each reservoir within the system.

The above purposes are accomplished by simulating the sequential operation of a system of reservoirs of any configuration for short interval historic or synthetic floods, for long duration non-flood periods or for a combination of both. Specifically, the program may be used to:

- Determine flood control and conservation storage requirements for each reservoir in the system;
- Evaluate the influence of a system of reservoirs on the spatial and temporal distribution of runoff in a basin;
- Evaluate the influence of various operation criteria for both flood control and conservation (including hydropower) for a system of reservoirs;
- Determine the expected annual flood damage, system cost and net benefit due to flood reduction for a system of reservoirs;
- Evaluate the effects of existing and/or proposed reservoirs or other non-structural alternatives within the system.

PC Requirements

HEC-5P is written in FORTRAN 95 and the standard executable code runs in Windows 95-98 or Windows NT.

General Capabilities And Limitations

Reservoir Configurations

- Any reservoir system can be configured using up to 40 reservoir, 60 control points and 40 power plants. The system configuration is developed by specifying routing reaches (route from a location to a location) and by the downstream sequential order of control points (locations of concern, which are referred to before upstream reservoir releases are made).

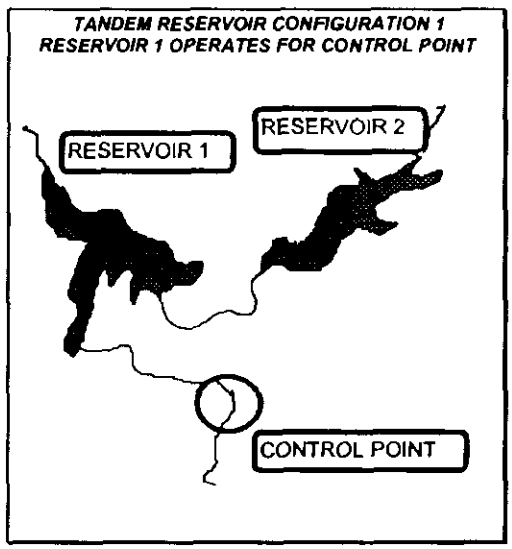
- The most upstream control point on any tributary must be a reservoir. The last point in the system must be a non-reservoir. All locations, including reservoirs are control points and must be linked together using various routing techniques.

- Reservoirs with flood control storage can be operated to minimize flooding at any number of downstream control points that it eventually routes to.

- Reservoirs without flood control will be operated for their own requirements (i.e., power, minimum flow, etc.) and may be operated to provide minimum flow requirements for any number of downstream control points that it eventually routes to.

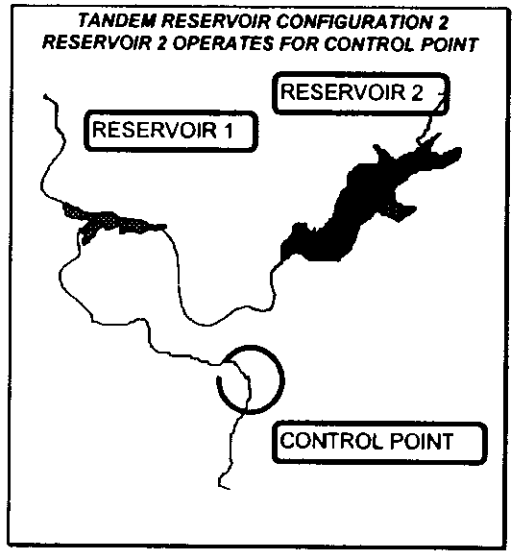
- Reservoirs can be deleted (converted to reservoirs without any storage such that input equals outflow).

  When upstream tandem reservoirs are modeled (*two or more reservoirs in series which route to a downstream control point*), the first upstream reservoir specified to operate for the downstream control point will be considered to operate directly for the control point. However, this reservoir can consider any upstream system storage available (if an upstream reservoir(s) is operated for this reservoir) when making its release. Releases will be made to keep the overall tandem system in balance (in terms of reservoir level).



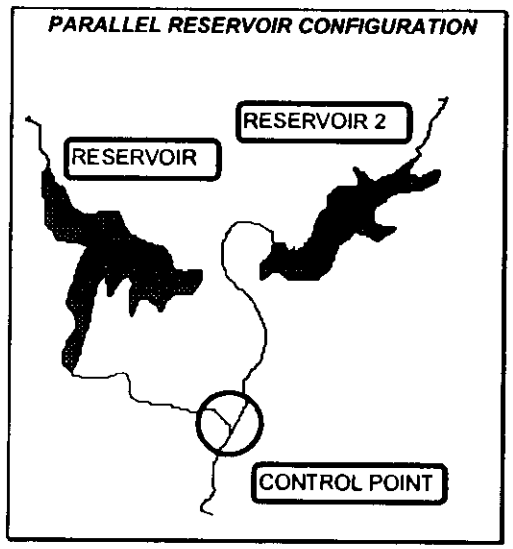
In Tandem Reservoir Configuration 1, the first upstream reservoir, which physically routes to the control point, is also modeled to operate for the control point. For reservoirs 1 and 2 to operate as an equivalent tandem system, reservoir 2 must be modeled to operate for reservoir 1. If not, each reservoir is operated independently, and only reservoir 1 will operate for the downstream control point.

In Tandem Reservoir Configuration 2, the second upstream reservoir that physically routes to the control point is modeled to operate for the control point. Reservoir 1 is modeled to ignore the control point since its ability to regulate inflows is severely hampered due to its limited storage potential. In this type of situation and when routing of flows is required (simulations using a time interval of 24 hours or less), the program may slightly over release when attempting to augment downstream low flow requirements. This occurs because the routing of flows released from reservoir 2 is dependent upon how the flow is passed through reservoir 1. If this poses a problem, the program can be instructed to make a second pass through the logic to more accurately determine the release.



- Parallel reservoirs that operate for a common downstream control point (two or more) are kept in balance (in terms of reservoir level) when possible. The reservoir that currently has the highest target level operates for the control point first, followed by the second highest, and so on.

- Reservoir and control point identification numbers may be any positive integer up to 9999.



Basic Reservoir Description

- Each reservoir must be supplied with a *starting storage or elevation* and *storage or elevations corresponding to each target level.* Target levels, which specify the allocation of reservoir storage to flood control and conservation purposes, can remain constant or vary by season or by the month.

- Each reservoir operates for itself and as many downstream control points as desired.

- Each reservoir must supply a table of outlet capability versus reservoir level or storage.

- Additional data may be required depending upon its operation (i.e. reservoir elevations are needed for hydropower and reservoir areas are needed for evaporation).

- Each reservoir must supply control point data as defined below.

Basic Control Point Description

- Each control point must be supplied with a channel capacity (a flow that if exceeded causes problems or concerns within the immediate area, typically flooding). The channel capacity can be constant, vary monthly, vary seasonally, vary by inflow at any location or vary by reservoir level/elevation at any reservoir.

- Each control point may be supplied with a minimum flow requirement (minimum desired or minimum required). This minimum flow requirement may remain constant, vary monthly, vary seasonally or vary by reservoir level/elevation. The default operation is to ensure minimum desired flows are met whenever the supplying reservoir is above buffer level (a level somewhere within the conservation pool, that indicates the amount of storage available for flow augmentation is becoming limited). Whenever the supplying reservoir level falls below buffer level, the reservoir backs off trying to supply the minimum desired flow to a lesser minimum required flow. This default operation of switching between minimum desired and required flow can be turned off. This typically is done when minimum flow requirements are defined as a function of level or elevation.[1]

- Each control point must supply an alphanumeric name.

- Each control point is linked to the next downstream control point using channel routing.

Flow Requirements

- The program internally uses incremental local flows (uncontrolled local runoff between adjacent control points) averaged over the time interval in system routings.

- Incremental local flows may be input directly or can be calculated from observed discharges and reservoir releases or from natural flows.

- Average flows can be calculated if end-of-period data is input.

- Flow at any control point can be a ratio of flow at another control point and lagged for several whole time intervals.

- Cumulative local and natural flows can be calculated from incremental local flows.

- The program automatically generates internal flood partitions whenever the flow data input by the user, for a given flood event exceeds the dimension limits within the program. The program then regenerates the entire flood event for output purposes. The number of flow values read between the BF and EJ cards defines a flood event. Any number of separate flood events can be simulated in a given run. Typically, flood events are separated by calendar or water years. A separate program called TSMP (Time Series Management Program) can be used to easily generate the required HEC5P flow data input.

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[1] The HEC5P model developed for the Sacandaga-Hudson River turns this default option off since the minimum flow requirements are all functions of Great Sacandaga Lake levels or elevations.

Channel Routing Options

The following stream routing methods are available: Straddle-Stagger, Tatum, Muskingham, Modified Puls and Working R & D. Each routing reach can be subdivided into several sub-reaches.

For each routing reach, two sets of routing criteria can be specified (one set of the two must be a linear method) along with the applicable routing interval (i.e., 3-hr or 12-hr). When reservoir releases are routed using a non-linear method (Modified Puls or Working R & D), linear approximations are used to determine the release. The actual releases are then routed by the non-linear method.

Steady state assumptions are used before the first period of routing.

Reservoir Routing Options

The following reservoir routing methods are available:

- Accounting Method - The most common method, used when reservoir releases are based on desired operation, also known as the continuity equation.

($Storage_t$ = Average Inflow - Average Outflow - Average Evaporation + $Storage_{t-1}$),

Where $_t$ represents the current time period and
$_{t-1}$ denotes the previous time period.

- Surcharge Method - Used when the reservoir release is greater than the physical capacity at the reservoir. The method is an iterative process used to find outflow and provides the same results as the Modified Puls Method used within channels.

- Emergency Method - Used when the reservoir release for the current time period plus channel capacity releases for a specified number of future time periods would cause the reservoir level to exceed top of flood control pool at the current or any near future periods. When this event is detected, a release can be found for the current period such that the top of flood control pool is not exceeded in the near future.

Reservoir Release Decisions

The following codes denote the reason why a particular reservoir release was made in a simulation.

Reason Reservoir Release Was Made	Output Code
Based on releasing the minimum desired flow immediately below reservoir	0.00
Based on not exceeding channel capacity immediately below reservoir	0.01
Based on not exceeding reservoir release rate of change constraint	0.02
Based on returning reservoir level to the top of conservation pool (when nothing else constrains the release, the operation will always attempt to get back to the top of conservation pool level).	0.03
Based on prerelease up to channel capacity using a specified foresight (IOPMD=1)	0.04
Based on prerelease which can exceed channel capacity using a specified foresight	0.04

Reason Reservoir Release Was Made	Output Code
(IOPMD=2)	
Based on tandem reservoir operation to keep reservoirs in balance	0.05
Based on releasing the maximum flow possible given the current level of the reservoir	0.06
Based on results of a surcharge routing (IOPMD=0)	0.06
Based on not drawing the reservoir level below the top of inactive pool (Level 1)	0.07
Based on releasing the minimum required flow immediately below reservoir	0.08
Based on not drawing the reservoir level below the top of buffer pool (usually Level 2)	0.09
Based on releasing flow needed to meet energy demand	0.10
Based on releasing minimum required or desired flow due to all other higher priority parallel reservoirs not releasing (ISCHED=1)	0.11
Based on releasing flow needed to meet a system energy demand	0.12
Based on releasing flow needed to meet energy demand which cannot be met without violating the minimum time of generation constraint	0.13
Based on releasing flow needed to meet energy demand which cannot be met without violating a turbine flow limitation	0.14
Based on releasing flow needed to meet energy demand which cannot be met without violating an operating head constraint	0.15
Based on releasing flow needed to meet energy demand which cannot be met due to the energy demand being so great that the plant's ability to meet it is impossible	0.16
Based on releasing a user-specified flow	0.99
Based on filling the downstream channel at location X, Y time periods in the future for either flood control or conservation operation	X.Y

Evaporation

Net evaporation data (total evaporation minus total precipitation) can be read for the entire basin or for individual reservoirs on a monthly basis. Period-by-period evaporation data can also be provided for any reservoir using EV cards.

Diversions

Diversions can be made from any reservoir or control point up to the limit of KDIV=7. Only one diversion from each control point or reservoir is allowed. Diversions can be made to any downstream control point or reservoir, or they can optionally leave the system (i.e., irrigation or basin transfer). A special option allows for a diversion to an upstream location (i.e., pumped storage). Diversions can be routed using any linear routing method and flows can be multiplied by a constant representing the ratio of returned flow (i.e., irrigation flow - infiltration flow). Diversions cannot be passed through hydropower turbines (i.e., downstream fishway flows).

Diversion can be specified as :

- A function of inflows (QS and QD cards);
- A function of reservoir storage (RS and RD cards);
- A constant;
- Varying monthly or period-by-period;

- A pumped diversion which pumps at a given capacity until level of the reservoir being pumped from draws down to either the buffer pool or optionally the inactive pool.

Hydropower Options

The following hydropower options are available:

- Reservoirs can operate to meet combinations of monthly, weekly, daily and multihourly energy demands. If for a given time period, release for power controls, then the program attempts to generate this energy using the least amount of turbine flow possible. This is accomplished through a trial-and-error process that considers the overall effects of head loss, turbine efficiency, time of generation, net head, etc. due to a change in the turbine flow.

- Reservoirs can operate to only use the water released for another purpose. In these situations, the program attempts to generate the most energy with the given release. *For example, given a daily flow release of 100 cfs, it may be possible to produce more energy throughout the day by passing 500 cfs through the turbine(s) at peak turbine efficiency for part of the day (say 4 hours) and a minimum required flow (say 20 cfs) for the remainder of the day (20 hours), rather than 100 cfs for 24 hours.*

- System energy requirements can be specified for up to two power systems. The program attempts to meet demand while balancing the reservoir levels.

- Generator capability can be a constant, a function of storage, a function of release, a function of head, turbine flow and efficiency and/or a function of kW/cfs coefficients versus storage.

- Operational limits can be set for turbine flow, operating head and time of operation.

- Each reservoir can be defined to operate in a peaking, pulsing or run-of-river mode.

- Pumped storage operations can be modeled.

Multi-flood Option

The multi-flood option can be used to operate a system of reservoirs for a continuous period of record with a mixture of computational time intervals. *For example, a monthly time interval can be used for a few years and then one can change the time interval to use hourly flows, during a major flood event (with detailed flood routing), and then once the flood event has been simulated, one can revert back to say a weekly time interval.* An unlimited number of events can be simulated in this manner.

Up to five ratios of any flood can be simulated.

Each flood in a series of floods can start with the same or a different reservoir level, or can use the ending reservoir level from the previous flood.

The maximum number of time-periods that can be simulated in a given flood event is 1000. Long periods of record, say 50 years of daily flows, can be simulated by manually

partitioning the period of record into yearly events of 365-366 time-periods each. As the size of a model increases and becomes more complex, the maximum number of periods the program can process at one time decreases somewhat. In these situations, the program automatically segments the flood event into smaller flood partitions that can be processed. This partitioning uses a minimum 10-period overlap between partitioned floods to preserve channel routing continuity. Once all partitions have been simulated, the program regroups these smaller partitions back into the original flood event for output purposes.

Flood Damages, Net Benefits

Expected annual damages can be computed for any control point using one or more ratios for each of several historic or synthetic floods (minimum combination of six events recommended). Damages for a single or series of floods can only be computed if those floods are simulated in a single computer run.

Expected annual damage can be computed using natural (unregulated) flows, regulated flows and/or for unlimited flood control conditions. Natural flows will result in expected annual damages being calculated for pre-project conditions. Regulated flows produce expected annual damages for existing or proposed conditions. Use of unlimited flood control conditions (based on use of uncontrolled local flows) results in the calculation of the least possible expected annual damage.

Damages determined for natural flows are adjusted to expected annual damages by integrating the natural damage-frequency curve. A predetermined expected annual damage can be input and succeeding calculations will then be adjusted by the ratio to the computed damage.

The expected annual damage for existing or proposed regulated conditions or for unlimited flood control conditions are based on using flows determined by logarithmic interpolation of the ratio of modified to natural flows of adjacent index floods.

Up to nine different damage categories can be used. If the proposed system contains existing reservoirs, the annual damage reduction (annual net benefit) can be evaluated from a base condition that represents the existing system.

Expected annual damages and net benefits can also be evaluated for non reservoir alternatives such as levees, channel improvements and for nonstructural alternatives such as flooding proofing, relocation, floodplain zoning and improvements in flood warning procedures.

Printout Options

An echo of input data and a rearranged-labeled input summary are provided unless suppressed by a NOLIST card. The following items will be printed if requested:

- Items by time-period.
    - Inflow data;
    - Computation of incremental local flows;
    - Reservoir releases and control point regulated flow;
    - Specified variables (up to 46) at user selected control points.
- Items by flood event.

- Summary of reservoir release policy (check on the appropriateness of a given release);
- Summary of system flooding;
- Summary of hydrologic efficiencies;
- Summary of maximum and minimum values;
- Summary of hydropower generation and benefits;
- Summaries of maximum, minimum, total sum or average for selected variables (up to 46) at user defined control points.

- Items on an annual basis.

  - Summary of expected annual damages and net benefits;
  - Calendar year or water year summaries of maximum, minimum, total sum or average for selected variables (up to 46) at user defined control points.

- Items by location.

  - Frequency curve printer plots;
  - Reservoir operational data;
  - Hydrograph printer plots.

Reservoir Operation Criteria

Reservoirs are operated to satisfy constraints pertaining to itself or at other reservoirs, to maintain flows within specified flow bands at downstream non-reservoir locations and to keep the entire reservoir system in balance.

Considerations at reservoirs include:

- When the current reservoir level is above the top of flood control pool, commonly called surcharge mode, all excess floodwater is released if sufficient outlet capacity is available. If not, a surcharge routing is performed. Options permit channel capacity releases (or greater) to be made prior to the time that the top of flood control pool is reached based on the forecasting of inflows.

- When the current reservoir level is above the top of conservation pool and below the top of flood control pool, the program is operating in flood control mode. Reservoir releases are made to draw the reservoir down to the top of conservation level as quickly as possible without exceeding channel capacity immediately below the reservoir or at any downstream location for which it operates.

- When the current reservoir level is comfortably within the conservation pool (above the top of buffer pool and below the top of conservation pool, commonly called conservation mode), releases as made that are greater than or equal to the minimum desired flow.

- When the current reservoir level is within the buffer pool (above the top of inactive pool and below the top of buffer pool, commonly called buffer mode), releases as made that are equal to the minimum required flow.

- No releases are made when the reservoir is below the top of inactive pool, except by evaporation, if net evaporation (total evaporation - total precipitation) for the period is positive.

- Rate of change criteria specifies the reservoir release to be within a specified deviation from the previous period's release, except when surcharge routing is occurring. By default, the rate of change is defined to be no more than 4 percent of the reservoir's channel capacity per hour. *For example, for a channel capacity of 10,000 cfs an a reservoir release of 1,000 cfs the reservoir release next hour cannot be more than 1,400 cfs or less than 600 cfs.*

Considerations at downstream control points include:

- Reservoir releases are not made, given that flood control storage remains, that will contribute to flooding at any control point for which it operates during a predetermined number of future periods. The number of future periods considered is the lesser of the number of reservoir release routing coefficients or the number of flow forecast periods.

- In flood control mode, reservoir releases are made when possible to exactly maintain downstream flow at channel capacity until the top of conservation pool is reached. Once reached the reservoir will maintain this level until either flows must be stored to prevent downstream flooding or until additional floods must be released to augment low flows downstream.

- In conservation control mode, reservoir releases are made when possible to exactly maintain downstream flow at minimum desired flow.

Considerations for system balancing include:

- For two or more parallel reservoirs operating for a given control point , the reservoir at the highest target level, will operate first to try to meet the control points minimum flow requirement. The remaining parallel reservoirs will then operate in a priority based on target levels to augment any additional flow that may be required.

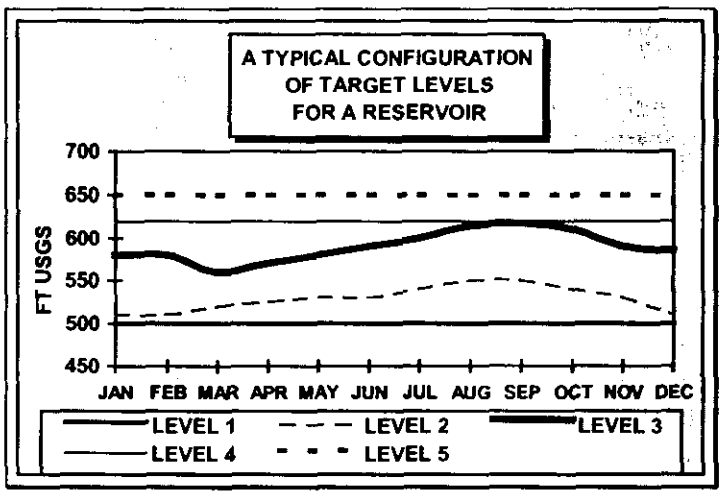
- For tandem reservoirs, the upstream reservoir can be operated for control points between the two reservoirs. The upstream reservoir will only operate for the downstream reservoir if modeled to look at the downstream reservoir. If in fact, the upstream reservoir does operate for the downstream reservoir, an attempt is made to bring the upper reservoir to the same target level as the lower reservoir. In some cases, when the downstream reservoir is small in comparison to the upstream reservoir, one can have only the upstream reservoir operate for a downstream control point. This is accomplished by coding the RO card for the upstream reservoir to operate for the downstream control point while changing the downstream reservoir's RO card to ignore the downstream control point. Remember, the first reservoir upstream of a control point that is specified to operate for that control point is used by the program.

Index Levels

Index levels are used to determine priority of releases among reservoirs. The program operates to meet specified constraints throughout the system and then to keep the system in balance if possible. A system is in balance when all reservoirs are at the same index level.

The reservoir index level at a given point in time in the simulation is based on linear interpolation of levels. Levels can remain constant or vary seasonally or monthly. Typically, most simulations are modeled with index level one as the *top of inactive pool*, index level two as the *top of buffer pool*, index level three as the *top of conservation pool* , index level four as the *top of flood control pool* and index level five as the *top of surcharge pool,* as depicted in the adjacent graph.

In balancing levels among reservoirs , priority for releases is governed by index levels such that reservoirs at higher levels are given first priority to made a release decision.



Reservoir Operation Priorities

The following table shows the normal and optional operation priorities that can be specified by the user.

CONDITION	NORMAL PRIORITY	OPTIONAL PRIORITY
During flooding at a downstream location:	No release for power requirements is made.	Release for power requirements is made which may contribute to flooding.
If releases to meet power requirements can be made without causing downstream flooding:	Made releases down to top of buffer pool	Made releases down to top of inactive pool

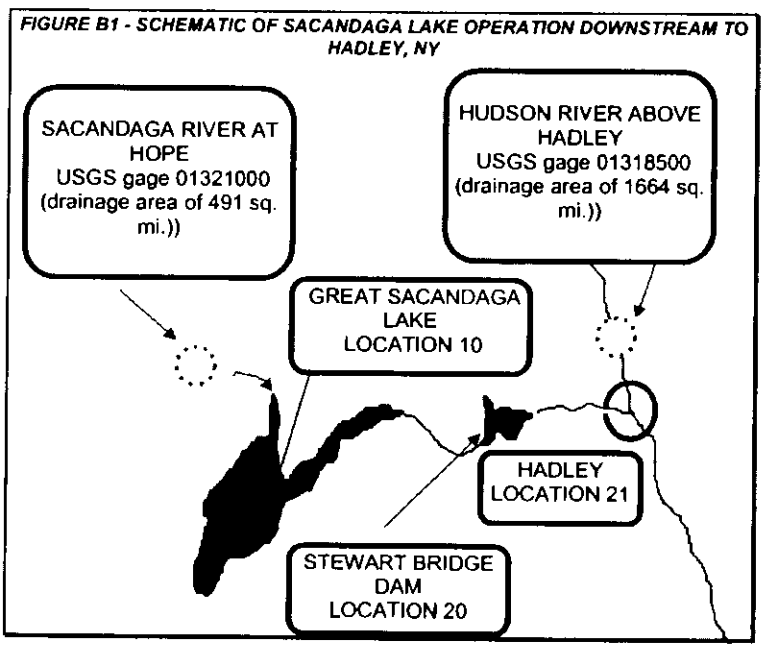
During flooding at a downstream location:	No release to meet minimum flow	Release to meet minimum flows.
If minimum desired flows can be made without increasing downstream flooding:	Release minimum flow between top of conservation and top of buffer pool.	Same as normal priority.
If minimum required flows can be made without increasing downstream flooding:	Release minimum flow between top of conservation and top of inactive pool.	Same as normal priority.
Reservoir diversions (except when a function of storage):	Divert down to top of buffer pool.	Divert down to top of inactive pool.

Sacandaga-Hudson River HEC5P Model Specifics

The Great Sacandaga Lake's operation can be simulated in HEC5P by using a two reservoir, one downstream control point model. The most upstream reservoir (Great Sacandaga Lake - Location 10) is modeled as a dam with hydropower (EJ West), operating for one downstream control point at Hadley, NY (Location 21).

Inflows into the lake are based upon USGS streamflow recorded on the Sacandaga River at Hope, NY (USGS gage 01321000 (drainage area of 491 sq. mi.)). Monthly multiplication factors account for additional uncontrolled runoff below Hope, NY that drains into the Great Sacandaga Lake (total drainage area of 1044 sq. mi.).

FIGURE B1 - SCHEMATIC OF SACANDAGA LAKE OPERATION DOWNSTREAM TO HADLEY, NY



The HEC5P simulation decides upon a daily volumetric release from the Great Sacandaga Lake in cfs-days. Section 3, Table D defines a release policy used in the model that restricts the maximum daily release volume below the reservoir's physical discharge capability for various Sacandaga Lake reservoir elevations. This release operation acts as an insurance policy in drought years, when anticipated spring snowmelt and rainfall volumes never materialize.

HEC5P will restrict daily release volumes even if the Sacandaga Lake water level is above the guide curve (Level Curve3). This policy results in higher final lake elevations during the summer after drought springs occur. Once the daily release volume is determined, it is then passed through the EJ West powerhouse to efficiently produce energy.

All water released from the Great Sacandaga Lake is passed through the second reservoir (Stewart's Bridge) and combined with the uncontrolled flow from the Upper Hudson River as recorded above Hadley, NY (USGS gage 01318500 (drainage area of 1664 sq. mi.)). Currently, due to the relatively small size of its pond, the operation at Stewart's Bridge is not investigated by HEC5P in deciding upon a release from the Great Sacandaga Lake. The model also includes the hydro developments of Curtis Dam, Palmer Falls (International Paper projects), Spier Falls, Sherman Island, Feeder Dam (Erie projects), Finch Pruyn, South Glens Falls and Hudson Falls (Adirondack Hydro Development Corporation).

The Great Sacandaga Lake's current operation provides flood control protection and low-flow augmentation flow below the confluence of the Sacandaga River and Hudson River at Hadley, NY, while adhering to its guide curve as much as possible.

As shown in Section 3, Figures A-C, the guide curve that HEC5P attempts to follow is level curve 3 (Top of Conservation). If the reservoir is at this level, then the maximum amount of conservation storage and flood control storage is available as deemed appropriate for the given time of year. If above this level, more conservation storage than needed is available due to some sacrifice of flood control storage. Conversely, if below this level, more flood control storage than needed is available at the cost of conservation storage.

Sacandaga and Hudson River flooding primarily occurs in late spring due to the thawing of the winter snow pack. Therefore, the Great Sacandaga Lake's guide curve drops during the early spring of the year in anticipation of the spring runoff (more overall reservoir storage being assigned to flood control than conservation) to allow the reservoir to store inflows and not contribute to flooding below Hadley, NY. Also, as the flood control capacity is diminished (reservoir levels > 3.5 and approaching 4), the flooding flows below Hadley are allowed to increase above a flow of 20,000 cfs. (Section 3, Table D). This approach is used to strike a balance between the unwanted results of very high lake levels and/or flooding river flows below Hadley, NY.

Low-flow augmentation flows are usually required in the summer months to maintain the Hudson River. Therefore, the Great Sacandaga Lake's guide curve rises during the late spring of the year (Section 3, Figures A-C, Level Curve 3) in anticipation of summer low flows. More overall reservoir storage is assigned to conservation than flood control to improve the reservoir's ability to supplement low flows below Hadley, NY.

Again, as for maximum flows, the operation trades off a lower minimum flow requirement (Section 3, Tables B-C) whenever the target level in the lake starts to drop below the guide curve.

At no time will HEC5P release water for downstream low flow augmentation, which will cause the lake's level to drop below Level 1 (Section 3, Figures A-C, Level Curve 1).

Sacandaga Lake – Hudson River Model - Final Scenarios

Regarding the Great Sacandaga Lake - Hudson River System, five different operational scenarios were modeled using HEC5P, namely SQ1D, SET748, SET749A, SET749B and SET750. These scenarios reflect the adoption of a phased-in Great Sacandaga Lake operation. A sixth scenario involving interim measures (see Section 3.9), which would be in effect prior to license issuance,

could not be readily modeled as there are no specific operation rules defined for the interim measures referenced in subsection 3.9.1.

Scenario SQ1D simulates the current or status quo operation of the river system. Scenario SET748 simulates the adopted operation from license issuance and acceptance through June 1, 2010. Scenario SET749A simulates the adopted operation from June 2, 2010 through June 1 , 2013, followed by scenario SET749B from June 2, 2013 through June 1, 2020, culminated by scenario SET750 from June 2, 2020 to the end of license term (~ 2040).

In general, the primary goal pertaining to the series of runs from SET748 to SET750 has been to estimate the energy implications of phasing-in a revised Great Sacandaga Lake operation over approximately twenty years. These results were needed before all downstream power owners could agree in principle to the revised operation.

The primary aspects of Scenario SET748 are to:

- Increase Great Sacandaga Lake elevations during the recreational season by revising the lake's seasonal target curves.
- Introduce a whitewater hours demand schedule during the recreational season.
- Limit the exposure of energy loss throughout the basin by limiting the winter target draw down to 748-ft.
- Aggressively use flood storage during the spring fill up period by strictly adhering to the flood control operational targets as long as the Great Sacandaga Lake elevation is at or below 773.00-ft USGS.
- Limiting the exceedance of 770-ft on the Great Sacandaga Lake during May to no more than 20 percent.
- Ignore implementation of base flow demands below Stewart's Bridge.

Scenario SET749A adopts all of the SET748 goals with the exception that it raises the limiting winter target draw down on the Great Sacandaga Lake to 749-ft.

The primary goals of SET749B are the SET749A goals with a general shift in operational priority. These changes include:

- Giving added priority and primary consideration to base flow demands below Stewart's Bridge.
- Modifying the whitewater hours demand schedule during recreational season to reflect added base flow demand below Stewart's Bridge.
- Giving added consideration to Great Sacandaga Lake elevations by somewhat reducing the minimum flow targets below Hadley, NY.

Scenario SET750 adopts all of the SET749B goals with the exception that it:

- Raises the limiting winter target draw down on the Great Sacandaga Lake to 750-ft.
- Slightly changes the base flow demand schedule below Stewart's Bridge to reflect the adjusted increase in the winter target draw down elevation being raised to 750-ft USGS.

The performance results of scenarios SET748, SET749A, SET749B and SET750, as compared to Status Quo are summarized in Table D1 (which is also included in Appendix E).

FINAL SUMMARY OF HEC5P MODELING OF SACANDAGA-HUDSON SETTLEMENT SCENARIOS

Table D1 (Final Summary of HEC5P Modeling of Sacandaga-Hudson Settlement Scenarios), which follows the narrative discussion in Appendix D, is also included here at the request of certain signatories.

Table D1

Final Summary of HEC5P Modeling of Sacandaga-Hudson Settlement Scenarios

Table D1 – Final Summary Of HEC5P Modeling of Sacandaga-Hudson Settlement Scenarios

	Performance Parameter	SQ	SET 748	SET 749A	SET 749B	SET 750
1	Percent Time Regulated Flow Below Hadley, NY Exceeds 1,760-cfs	98	99.6	99.6	99.6	99
2	Percent Time Regulated Flow Below Hadley, NY Exceeds 2,000-cfs	95	97	97	89	89
3	Percent Time Regulated Flow Below Hadley, NY Exceeds 3,000-cfs	65	60	60	60	60
4	Percent Time Regulated Flow Below Hadley, NY Exceeds 6,000-cfs	31	35	35	35	35
5	Percent Time Regulated Flow Below Hadley, NY Exceeds 8,000-cfs	17.5	17.5	17.5	17.5	17.5
6	Percent Time Regulated Flow Below Hadley, NY Exceeds 20,000-cfs	1.0	1.0	1.0	1.0	1.0
7	Percent Time Regulated Flow Below Hadley, NY Exceeds 25,000-cfs	0.2	0.2	0.3	0.3	0.3
8	100-Year Flood Below Hadley, NY (cfs)	43,010	42,220	42,920	42,490	43,220
9	50-Year Flood Below Hadley, NY (cfs)	39,450	38,710	39,240	38,910	39,500
10	10-Year Flood Below Hadley, NY (cfs)	31,040	30,420	30,660	30,550	30,860
11	Annual 7Q10 Flow Below Hadley, NY (cfs)	1,210	1,940	1,940	1,660	1,590
12	GSL Highest Elevation (ft USGS)	773.30	773.70	773.90	773.80	773.80
13	GSL Lowest Elevation (ft USGS)	737.70	742.90	742.90	745.80	745.80
14	Percent of Time GSL Elevation Exceeds 748 Annually	90	97	99.3	99.7	99.7
15	Percent of Time GSL Elevation Exceeds 750 Annually	85	91	93	93	97
16	Percent of Time GSL Elevation Exceeds 771 Annually	0.3	1.0	1.0	1.25	1.4
17	Percent of Time GSL Elevation Exceeds 768 In April	10	27	28	27.5	29
18	Percent of Time GSL Elevation Exceeds 770 In April	3	14	15	15	16
19	Percent of Time GSL Elevation Exceeds 771 In April	2	6	7	6	7
20	Percent of Time GSL Elevation Exceeds 773 In April	0.1	0.4	0.7	0.7	1.0
21	Percent of Time GSL Elevation Exceeds 768 In May	20	55	55	54	54
22	Percent of Time GSL Elevation Exceeds 770 In May	5	20	20	20	20
23	Percent of Time GSL Elevation Exceeds 771 In May	2	7	7	7	8
24	Percent of Time GSL Elevation Exceeds 773 In May	0	0.4	0.4	0.4	0.4
25	Percent of Time GSL Elevation Exceeds 765 In June	91	95	96	95	96.5
26	Percent of Time GSL Elevation Exceeds 768 In June	15	15	15	15	15
27	Percent of Time GSL Elevation Exceeds 771 In June	.005	2	2	2	2
28	Percent of Time GSL Elevation Exceeds 756 in September	93	99	99	99	99
29	Percent of Time GSL Elevation Exceeds 758 in September	22.5	92	92	91	92
30	Percent of Time GSL Elevation Exceeds 759 in September	4	87	87	83	83
31	Percent of Time GSL Elevation Exceeds 760 in September	2	76	77.5	70	70
32	Percent of Time GSL Elevation Exceeds 756 in October	25	95	95	96	97
33	Percent of Time GSL Elevation Exceeds 758 in October	10	87	87	88	89
34	Percent of Time GSL Elevation Exceeds 759 in October	8	72.5	72.5	80	80
35	Percent of Time GSL Elevation Exceeds 760 in October	6	50	50	50	50
36	100-Year Flood Elevation on GSL	773.07	774.04	774.16	774.06	774.22
37	50-Year Flood Elevation on GSL	772.49	773.75	773.85	773.78	773.93
38	10-Year Flood Elevation on GSL	770.90	772.79	772.86	772.85	772.96
39	1-Year Flood Elevation on GSL	764.64	764.72	765.10	764.58	765.22
40	Average Whitewater Hours in June	8.83	7.22	7.23	6.37	6.37
41	Average Whitewater Hours in July	9.08	8.38	8.42	7.31	7.33
42	Average Whitewater Hours in August	9.32	8.36	8.36	7.68	7.70
43	Average Whitewater Hours in September	8.27	7.72	7.73	6.08	6.09
44	Average Whitewater Hours in October	3.86	3.67	3.67	2.67	2.67
45	Percent Time Base Flow Below Stewart's Exceeds 50 cfs Annually	100	100	100	100	100
46	Percent Time Base Below Stewart's Flow Exceeds 200 cfs Annually	4	4	4	100	100
47	Percent Time Base Flow Below Stewart's Exceeds 350 cfs Annually	4	4	4	95	95
48	Base Flow Below SB Exceeds 350-cfs Through June (Return Period)	Never	Never	Never	2	2
49	Base Flow Below SB Exceeds 350-cfs Through July (Return Period)	Never	Never	Never	2	1.6666
50	Base Flow Below SB Exceeds 350-cfs Through August (Return Period)	Never	Never	Never	1.2222	1.2222
51	Base Flow Below SB Exceeds 350-cfs Through September (Return Period)	Never	Never	Never	2.5	2.5
52	GSL Weekly Elevation Exceeds 748 through entire year (Return Period)	5	1.6666	1.3333	1.1111	1.0101
53	GSL Weekly Elevation Exceeds 750 through entire year (Return Period)	15	4	3	3	1.6666
54	GSL Weekly Elevation Exceeds 759 through September (Return Period)	–	1.2222	1.2222	1.2222	1.2222

Table D1 – Final Summary Of HEC5P Modeling of Sacandaga-Hudson Settlement Scenarios

	Performance Parameter	SQ	SET 748	SET 749A	SET 749B	SET 750
55	GSL Weekly Elevation Exceeds 759 through October (Return Period)	33	3	3	3	2.75
56	GSL Weekly Elevation Exceeds 760 through September (Return Period)	–	1.6666	1.6666	1.6666	1.6666
57	GSL Weekly Elevation Exceeds 760 through October (Return Period)	75	5	5	5	5
58	Percent of Time Annually GSL Level Above Level 2.0	97	96	96	96	97
59	Percent of Time Annually GSL Level Above Level 2.5	93	88	88	87	88
60	Percent of Time Annually GSL Level Above Level 3.0	30	65	65	70	70
61	Percent of Time Annually GSL Level Above Level 3.5	5	8	8	8.5	8.5
62	Percent of Time Annually GSL Level Above Level 4.0	0.4	0.1	0.1	0.1	0.1
63	Percent of Time Annually Flow Below Feeder Dam Above 1,500-cfs	96	99.8	99.8	99.8	99.8
64	Percent of Time Annually Flow Below Feeder Dam Above 1,760-cfs	94	99	99	97	97
65	Percent of Time Annually Flow Below Feeder Dam Above 8,000-cfs	18	18	18	18	19
66	Percent of Time Annually Flow Below Feeder Dam Above 20,000-cfs	1.2	1.2	1.5	1.5	1.75
67	Percent of Time Annually Average Flow Below Stewart's Exceeds 200-cfs	90	92	92.5	100	100
68	Percent of Time Annually Average Flow Below Stewart's Exceeds 350-cfs	88	91	91.5	95	95
69	Percent of Time Annually Average Flow Below Stewart's Exceeds 700-cfs	83	88	88	87	87
70	Expected Annual On Peak Generation Loss (From SQ1D) for International Paper power plants (mWh)	0	700	1,500	1,700	2,500
71	Expected Annual Total Generation Loss (From SQ1D) for International Paper power plants (mWh)	0	(400)	900	1,400	2,800
72	Expected Annual On Peak Generation Loss (From SQ1D) for AHDC power plants (mWh)	0	(300)	0	400	900
73	Expected Annual Total Generation Loss (From SQ1D) for AHDC power plants (mWh)	0	(3,100)	(2,300)	(1,900)	(1,000)
74	Expected Annual On Peak Generation Loss (From SQ1D) for Finch Pruyn (mWh)	0	(200)	(100)	0	100
75	Expected Annual Total Generation Loss (From SQ1D) for Finch Pruyn (mWh)	0	(1,000)	(800)	(700)	(500)
76	Expected Annual On Peak Generation Loss (From SQ1D) for Orion Power of New York power plants (mWh)	0	6,100	7,000	17,100	18,400
77	Expected Annual Total Generation Loss (From SQ1D) for Orion Power of New York power plants (mWh)	0	(1,400)	500	11,200	13,100
78	Expected Annual On Peak Generation Loss (From SQ1D) O f All 10 power plants (mWh)	0	6,300	8,400	19,200	21,900
79	Expected Annual Total Generation Loss (From SQ1D) of All 10 power plants (mWh)	0	(5,900)	(1,700)	10,000	14,400

APPENDIX E

LOOKUP TABLES

AND

FINAL SUMMARY OF HEC5P MODELING OF SACANDAGA-HUDSON SETTLEMENT SCENARIOS

LOOKUP TABLES

This Appendix contains lookup tables for scenarios SET748, SET749A, SET749B and SET750. These tables allow for easy cross-referencing of Great Sacandaga Lake elevations to levels and visa versa. Since the level curves for all scenarios are the same from May 1 of the year, the lookup tables for May through December are representative of all scenarios. Similarly, the lookup tables for scenarios SET749A and SET749B are combined since the level curves are identical. The tables below are arranged as follows:

1. January through April tables for scenario SET748.
2. January through April tables for scenarios SET749A&B.
3. January through April tables for scenario SET750.
4. May through December tables for all scenarios.

Great Sacandaga Lake Elevations For Varying Levels

SET748 - GSL ELEVATIONS CORRESPONDING TO LEVEL FOR JANUARY

LEVEL	**1.00**	1.10	1.20	1.30	1.40	**1.50**	1.60	1.70	1.80	1.90	**2.00**	2.10	2.20	2.30	2.35[1]	2.40
Day of Month																
1	740.00	741.00	742.00	743.00	744.00	745.00	746.00	747.00	748.00	749.00	750.00	750.25	750.50	750.75	750.88	751.00
2	740.00	740.99	741.99	742.98	743.98	744.97	745.97	746.96	747.96	748.95	749.95	750.20	750.44	750.69	750.82	750.94
3	740.00	740.99	741.98	742.97	743.96	744.95	745.94	746.93	747.92	748.91	749.90	750.14	750.39	750.64	750.76	750.88
4	740.00	740.98	741.97	742.95	743.94	744.92	745.91	746.89	747.87	748.86	749.84	750.09	750.33	750.58	750.70	750.83
5	740.00	740.98	741.96	742.94	743.92	744.90	745.87	746.85	747.83	748.81	749.79	750.04	750.28	750.52	750.65	750.77
6	740.00	740.97	741.95	742.92	743.90	744.87	745.84	746.82	747.79	748.76	749.74	749.98	750.22	750.47	750.59	750.71
7	740.00	740.97	741.94	742.91	743.87	744.84	745.81	746.78	747.75	748.72	749.69	749.93	750.17	750.41	750.53	750.65
8	740.00	740.96	741.93	742.89	743.85	744.82	745.78	746.74	747.71	748.67	749.63	749.87	750.11	750.35	750.47	750.59
9	740.00	740.96	741.92	742.87	743.83	744.79	745.75	746.71	747.67	748.62	749.58	749.82	750.06	750.30	750.42	750.53
10	740.00	740.95	741.91	742.86	743.81	744.76	745.72	746.67	747.62	748.58	749.53	749.77	750.00	750.24	750.36	750.48
11	740.00	740.95	741.90	742.84	743.79	744.74	745.69	746.63	747.58	748.53	749.48	749.71	749.95	750.18	750.30	750.42
12	740.00	740.94	741.89	742.83	743.77	744.71	745.66	746.60	747.54	748.48	749.43	749.66	749.89	750.13	750.24	750.36
13	740.00	740.94	741.87	742.81	743.75	744.69	745.62	746.56	747.50	748.44	749.37	749.61	749.84	750.07	750.19	750.30
14	740.00	740.93	741.86	742.80	743.73	744.66	745.59	746.52	747.46	748.39	749.32	749.55	749.78	750.01	750.13	750.24
15	740.00	740.93	741.85	742.78	743.71	744.63	745.56	746.49	747.41	748.34	749.27	749.50	749.73	749.96	750.07	750.19
16	740.00	740.92	741.84	742.76	743.69	744.61	745.53	746.45	747.37	748.29	749.22	749.44	749.67	749.90	750.01	750.13
17	740.00	740.92	741.83	742.75	743.67	744.58	745.50	746.41	747.33	748.25	749.16	749.39	749.62	749.84	749.96	750.07
18	740.00	740.91	741.82	742.73	743.64	744.56	745.47	746.38	747.29	748.20	749.11	749.34	749.56	749.79	749.90	750.01
19	740.00	740.91	741.81	742.72	743.62	744.53	745.44	746.34	747.25	748.15	749.06	749.28	749.51	749.73	749.84	749.95
20	740.00	740.90	741.80	742.70	743.60	744.50	745.40	746.31	747.21	748.11	749.01	749.23	749.45	749.67	749.78	749.89
21	740.00	740.90	741.79	742.69	743.58	744.48	745.37	746.27	747.16	748.06	748.96	749.18	749.40	749.62	749.73	749.84
22	740.00	740.89	741.78	742.67	743.56	744.45	745.34	746.23	747.12	748.01	748.90	749.12	749.34	749.56	749.67	749.78
23	740.00	740.89	741.77	742.66	743.54	744.43	745.31	746.20	747.08	747.97	748.85	749.07	749.29	749.50	749.61	749.72
24	740.00	740.88	741.76	742.64	743.52	744.40	745.28	746.16	747.04	747.92	748.80	749.01	749.23	749.45	749.55	749.66
25	740.00	740.87	741.75	742.62	743.50	744.37	745.25	746.12	747.00	747.87	748.75	748.96	749.17	749.39	749.50	749.60
26	740.00	740.87	741.74	742.61	743.48	744.35	745.22	746.09	746.96	747.82	748.69	748.91	749.12	749.33	749.44	749.54
27	740.00	740.86	741.73	742.59	743.46	744.32	745.19	746.05	746.91	747.78	748.64	748.85	749.06	749.28	749.38	749.49
28	740.00	740.86	741.72	742.58	743.44	744.29	745.15	746.01	746.87	747.73	748.59	748.80	749.01	749.22	749.32	749.43
29	740.00	740.85	741.71	742.56	743.41	744.27	745.12	745.98	746.83	747.68	748.54	748.75	748.95	749.16	749.27	749.37
30	740.00	740.85	741.70	742.55	743.39	744.24	745.09	745.94	746.79	747.64	748.49	748.69	748.90	749.11	749.21	749.31
31	740.00	740.84	741.69	742.53	743.37	744.22	745.06	745.90	746.75	747.59	748.43	748.64	748.84	749.05	749.15	749.25

SET748 - GSL ELEVATIONS CORRESPONDING TO LEVEL FOR JANUARY

EVEL	**2.50**	2.60	2.70	2.80	2.90	**3.00**	3.10	3.20	3.30	3.40	**3.50**	3.60	3.70	3.80	3.90	**4.00**
Day of Month																
1	751.25	751.50	751.75	752.00	752.25	752.50	754.55	756.60	758.65	760.70	762.75	764.80	766.85	768.90	770.95	773.00
2	751.19	751.44	751.69	751.94	752.18	752.43	754.49	756.55	758.60	760.66	762.72	764.77	766.83	768.89	770.94	773.00
3	751.13	751.38	751.62	751.87	752.12	752.37	754.43	756.49	758.56	760.62	762.68	764.75	766.81	768.87	770.94	773.00
4	751.07	751.32	751.56	751.81	752.05	752.30	754.37	756.44	758.51	760.58	762.65	764.72	766.79	768.86	770.93	773.00
5	751.01	751.26	751.50	751.74	751.99	752.23	754.31	756.39	758.46	760.54	762.62	764.69	766.77	768.85	770.92	773.00
6	750.95	751.19	751.44	751.68	751.92	752.16	754.25	756.33	758.41	760.50	762.58	764.67	766.75	768.83	770.92	773.00
7	750.89	751.13	751.37	751.61	751.86	752.10	754.19	756.28	758.37	760.46	762.55	764.64	766.73	768.82	770.91	773.00
8	750.83	751.07	751.31	751.55	751.79	752.03	754.13	756.22	758.32	760.42	762.51	764.61	766.71	768.81	770.90	773.00
9	750.77	751.01	751.25	751.49	751.72	751.96	754.07	756.17	758.27	760.38	762.48	764.59	766.69	768.79	770.90	773.00
10	750.71	750.95	751.19	751.42	751.66	751.90	754.01	756.12	758.23	760.34	762.45	764.56	766.67	768.78	770.89	773.00
11	750.65	750.89	751.12	751.36	751.59	751.83	753.95	756.06	758.18	760.30	762.41	764.53	766.65	768.77	770.88	773.00
12	750.59	750.83	751.06	751.29	751.53	751.76	753.89	756.01	758.13	760.26	762.38	764.50	766.63	768.75	770.88	773.00
13	750.53	750.77	751.00	751.23	751.46	751.69	753.82	755.96	758.09	760.22	762.35	764.48	766.61	768.74	770.87	773.00
14	750.47	750.70	750.94	751.17	751.40	751.63	753.76	755.90	758.04	760.18	762.31	764.45	766.59	768.73	770.86	773.00
15	750.41	750.64	750.87	751.10	751.33	751.56	753.70	755.85	757.99	760.14	762.28	764.42	766.57	768.71	770.86	773.00
16	750.35	750.58	750.81	751.04	751.26	751.49	753.64	755.79	757.94	760.10	762.25	764.40	766.55	768.70	770.85	773.00
17	750.29	750.52	750.75	750.97	751.20	751.43	753.58	755.74	757.90	760.06	762.21	764.37	766.53	768.69	770.84	773.00
18	750.24	750.46	750.68	750.91	751.13	751.36	753.52	755.69	757.85	760.01	762.18	764.34	766.51	768.67	770.84	773.00
19	750.18	750.40	750.62	750.84	751.07	751.29	753.46	755.63	757.80	759.97	762.15	764.32	766.49	768.66	770.83	773.00
20	750.12	750.34	750.56	750.78	751.00	751.22	753.40	755.58	757.76	759.93	762.11	764.29	766.47	768.64	770.82	773.00
21	750.06	750.28	750.50	750.72	750.94	751.16	753.34	755.53	757.71	759.89	762.08	764.26	766.45	768.63	770.82	773.00
22	750.00	750.21	750.43	750.65	750.87	751.09	753.28	755.47	757.66	759.85	762.04	764.24	766.43	768.62	770.81	773.00
23	749.94	750.15	750.37	750.59	750.81	751.02	753.22	755.42	757.62	759.81	762.01	764.21	766.41	768.60	770.80	773.00
24	749.88	750.09	750.31	750.52	750.74	750.96	753.16	755.36	757.57	759.77	761.98	764.18	766.39	768.59	770.80	773.00
25	749.82	750.03	750.25	750.46	750.67	750.89	753.10	755.31	757.52	759.73	761.94	764.16	766.37	768.58	770.79	773.00
26	749.76	749.97	750.18	750.40	750.61	750.82	753.04	755.26	757.47	759.69	761.91	764.13	766.35	768.56	770.78	773.00
27	749.70	749.91	750.12	750.33	750.54	750.75	752.98	755.20	757.43	759.65	761.88	764.10	766.33	768.55	770.78	773.00
28	749.64	749.85	750.06	750.27	750.48	750.69	752.92	755.15	757.38	759.61	761.84	764.07	766.31	768.54	770.77	773.00
29	749.58	749.79	749.99	750.20	750.41	750.62	752.86	755.10	757.33	759.57	761.81	764.05	766.29	768.52	770.76	773.00
30	749.52	749.73	749.93	750.14	750.35	750.55	752.80	755.04	757.29	759.53	761.78	764.02	766.27	768.51	770.76	773.00
31	749.46	749.66	749.87	750.07	750.28	750.49	752.74	754.99	757.24	759.49	761.74	763.99	766.25	768.50	770.75	773.00

[1] This level added to satisfy request from Pete Skinner.

Great Sacandaga Lake Elevations For Varying Levels

SET748 - GSL ELEVATIONS CORRESPONDING TO LEVEL FOR FEBRUARY

LEVEL	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.10	2.20	2.30	2.35	2.40
Day of Month																
1	740.00	740.84	741.68	742.51	743.35	744.19	745.03	745.87	746.70	747.54	748.38	748.58	748.79	748.99	749.09	749.20
2	740.00	740.83	741.67	742.50	743.33	744.16	745.00	745.83	746.66	747.50	748.33	748.53	748.73	748.94	749.04	749.14
3	740.00	740.83	741.66	742.48	743.31	744.14	744.97	745.79	746.62	747.45	748.28	748.48	748.68	748.88	748.98	749.08
4	740.00	740.82	741.64	742.47	743.29	744.11	744.93	745.76	746.58	747.40	748.22	748.42	748.62	748.82	748.92	749.02
5	740.00	740.82	741.63	742.45	743.27	744.09	744.90	745.72	746.54	747.35	748.17	748.37	748.57	748.76	748.86	748.96
6	740.00	740.81	741.62	742.44	743.25	744.06	744.87	745.68	746.50	747.31	748.12	748.32	748.51	748.71	748.81	748.90
7	740.00	740.81	741.61	742.42	743.23	744.03	744.84	745.65	746.45	747.26	748.07	748.26	748.46	748.65	748.75	748.85
8	740.00	740.80	741.60	742.40	743.21	744.01	744.81	745.61	746.41	747.21	748.01	748.21	748.40	748.59	748.69	748.79
9	740.00	740.80	741.59	742.39	743.19	743.98	744.78	745.57	746.37	747.17	747.96	748.15	748.35	748.54	748.63	748.73
10	740.00	740.79	741.58	742.37	743.16	743.96	744.75	745.54	746.33	747.12	747.91	748.10	748.29	748.48	748.58	748.67
11	740.00	740.79	741.57	742.36	743.14	743.93	744.71	745.50	746.29	747.07	747.86	748.05	748.24	748.42	748.52	748.61
12	740.00	740.78	741.56	742.34	743.12	743.90	744.68	745.46	746.24	747.03	747.81	747.99	748.18	748.37	748.46	748.56
13	740.00	740.78	741.55	742.33	743.10	743.88	744.65	745.43	746.20	746.98	747.75	747.94	748.13	748.31	748.40	748.50
14	740.00	740.77	741.54	742.31	743.08	743.85	744.62	745.39	746.16	746.93	747.70	747.89	748.07	748.25	748.35	748.44
15	740.00	740.76	741.53	742.29	743.06	743.82	744.59	745.35	746.12	746.88	747.65	747.83	748.01	748.20	748.29	748.38
16	740.00	740.76	741.52	742.28	743.04	743.80	744.56	745.32	746.08	746.84	747.60	747.78	747.96	748.14	748.23	748.32
17	740.00	740.75	741.51	742.26	743.02	743.77	744.53	745.28	746.04	746.79	747.54	747.72	747.90	748.08	748.17	748.26
18	740.00	740.75	741.50	742.25	743.00	743.75	744.50	745.24	745.99	746.74	747.49	747.67	747.85	748.03	748.12	748.21
19	740.00	740.74	741.49	742.23	742.98	743.72	744.46	745.21	745.95	746.70	747.44	747.62	747.79	747.97	748.06	748.15
20	740.00	740.74	741.48	742.22	742.96	743.69	744.43	745.17	745.91	746.65	747.39	747.56	747.74	747.91	748.00	748.09
21	740.00	740.73	741.47	742.20	742.93	743.67	744.40	745.14	745.87	746.60	747.34	747.51	747.68	747.86	747.94	748.03
22	740.00	740.73	741.46	742.19	742.91	743.64	744.37	745.10	745.83	746.56	747.28	747.46	747.63	747.80	747.89	747.97
23	740.00	740.72	741.45	742.17	742.89	743.62	744.34	745.06	745.79	746.51	747.23	747.40	747.57	747.74	747.83	747.91
24	740.00	740.72	741.44	742.15	742.87	743.59	744.31	745.03	745.74	746.46	747.18	747.35	747.52	747.69	747.77	747.86
25	740.00	740.71	741.43	742.14	742.85	743.56	744.28	744.99	745.70	746.41	747.13	747.29	747.46	747.63	747.71	747.80
26	740.00	740.71	741.41	742.12	742.83	743.54	744.24	744.95	745.66	746.37	747.07	747.24	747.41	747.57	747.66	747.74
27	740.00	740.70	741.40	742.11	742.81	743.51	744.21	744.92	745.62	746.32	747.02	747.19	747.35	747.52	747.60	747.68
28	740.00	740.70	741.39	742.09	742.79	743.49	744.18	744.88	745.58	746.27	746.97	747.13	747.30	747.46	747.54	747.62
29	740.00	740.69	741.38	742.08	742.77	743.46	744.15	744.84	745.53	746.23	746.92	747.08	747.24	747.40	747.48	747.57

SET748 - GSL ELEVATIONS CORRESPONDING TO LEVEL FOR FEBRUARY

EVEL	2.50	2.60	2.70	2.80	2.90	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70	3.80	3.90	4.00
)ay of Month																
1	749.40	749.60	749.81	750.01	750.21	750.42	752.68	754.93	757.19	759.45	761.71	763.97	766.23	768.48	770.74	773.00
2	749.34	749.54	749.74	749.95	750.15	750.35	752.62	754.88	757.15	759.41	761.68	763.94	766.21	768.47	770.74	773.00
3	749.28	749.48	749.68	749.88	750.08	750.28	752.56	754.83	757.10	759.37	761.64	763.91	766.19	768.46	770.73	773.00
4	749.22	749.42	749.62	749.82	750.02	750.22	752.49	754.77	757.05	759.33	761.61	763.89	766.16	768.44	770.72	773.00
5	749.16	749.36	749.56	749.75	749.95	750.15	752.43	754.72	757.00	759.29	761.57	763.86	766.14	768.43	770.71	773.00
6	749.10	749.30	749.49	749.69	749.89	750.08	752.37	754.67	756.96	759.25	761.54	763.83	766.12	768.42	770.71	773.00
7	749.04	749.24	749.43	749.63	749.82	750.01	752.31	754.61	756.91	759.21	761.51	763.81	766.10	768.40	770.70	773.00
8	748.98	749.17	749.37	749.56	749.75	749.95	752.25	754.56	756.86	759.17	761.47	763.78	766.08	768.39	770.69	773.00
9	748.92	749.11	749.31	749.50	749.69	749.88	752.19	754.50	756.82	759.13	761.44	763.75	766.06	768.38	770.69	773.00
10	748.86	749.05	749.24	749.43	749.62	749.81	752.13	754.45	756.77	759.09	761.41	763.73	766.04	768.36	770.68	773.00
11	748.80	748.99	749.18	749.37	749.56	749.75	752.07	754.40	756.72	759.05	761.37	763.70	766.02	768.35	770.67	773.00
12	748.74	748.93	749.12	749.30	749.49	749.68	752.01	754.34	756.68	759.01	761.34	763.67	766.00	768.34	770.67	773.00
13	748.68	748.87	749.05	749.24	749.43	749.61	751.95	754.29	756.63	758.97	761.31	763.64	765.98	768.32	770.66	773.00
14	748.62	748.81	748.99	749.18	749.36	749.54	751.89	754.24	756.58	758.93	761.27	763.62	765.96	768.31	770.65	773.00
15	748.56	748.75	748.93	749.11	749.29	749.48	751.83	754.18	756.53	758.89	761.24	763.59	765.94	768.30	770.65	773.00
16	748.50	748.69	748.87	749.05	749.23	749.41	751.77	754.13	756.49	758.85	761.21	763.56	765.92	768.28	770.64	773.00
17	748.44	748.62	748.80	748.98	749.16	749.34	751.71	754.07	756.44	758.81	761.17	763.54	765.90	768.27	770.63	773.00
18	748.38	748.56	748.74	748.92	749.10	749.28	751.65	754.02	756.39	758.77	761.14	763.51	765.88	768.26	770.63	773.00
19	748.32	748.50	748.68	748.86	749.03	749.21	751.59	753.97	756.35	758.73	761.10	763.48	765.86	768.24	770.62	773.00
20	748.26	748.44	748.62	748.79	748.97	749.14	751.53	753.91	756.30	758.69	761.07	763.46	765.84	768.23	770.61	773.00
21	748.21	748.38	748.55	748.73	748.90	749.07	751.47	753.86	756.25	758.64	761.04	763.43	765.82	768.21	770.61	773.00
22	748.15	748.32	748.49	748.66	748.84	749.01	751.41	753.81	756.21	758.60	761.00	763.40	765.80	768.20	770.60	773.00
23	748.09	748.26	748.43	748.60	748.77	748.94	751.35	753.75	756.16	758.56	760.97	763.38	765.78	768.19	770.59	773.00
24	748.03	748.20	748.36	748.53	748.70	748.87	751.29	753.70	756.11	758.52	760.94	763.35	765.76	768.17	770.59	773.00
25	747.97	748.13	748.30	748.47	748.64	748.81	751.23	753.64	756.06	758.48	760.90	763.32	765.74	768.16	770.58	773.00
26	747.91	748.07	748.24	748.41	748.57	748.74	751.16	753.59	756.02	758.44	760.87	763.30	765.72	768.15	770.57	773.00
27	747.85	748.01	748.18	748.34	748.51	748.67	751.10	753.54	755.97	758.40	760.84	763.27	765.70	768.13	770.57	773.00
28	747.79	747.95	748.11	748.28	748.44	748.60	751.04	753.48	755.92	758.36	760.80	763.24	765.68	768.12	770.56	773.00
29	747.73	747.89	748.05	748.21	748.38	748.54	750.98	753.43	755.88	758.32	760.77	763.21	765.66	768.11	770.55	773.00

SET748 - GSL ELEVATIONS CORRESPONDING TO LEVEL FOR MARCH

LEVEL	**1.00**	1.10	1.20	1.30	1.40	**1.50**	1.60	1.70	1.80	1.90	**2.00**	2.10	2.20	2.30	2.35	2.40
Day of Month																
1	740.00	740.69	741.37	742.06	742.75	743.43	744.12	744.81	745.49	746.18	746.87	747.03	747.19	747.35	747.43	747.51
2	740.00	740.68	741.36	742.04	742.73	743.41	744.09	744.77	745.45	746.13	746.81	746.97	747.13	747.29	747.37	747.45
3	740.00	740.68	741.35	742.03	742.70	743.38	744.06	744.73	745.41	746.09	746.76	746.92	747.08	747.23	747.31	747.39
4	740.00	740.67	741.34	742.01	742.68	743.35	744.03	744.70	745.37	746.04	746.71	746.86	747.02	747.18	747.25	747.33
5	740.00	740.67	741.33	742.00	742.66	743.33	743.99	744.66	745.33	745.99	746.66	746.81	746.97	747.12	747.20	747.27
6	740.00	740.66	741.32	741.98	742.64	743.30	743.96	744.62	745.28	745.94	746.60	746.76	746.91	747.06	747.14	747.22
7	740.00	740.66	741.31	741.97	742.62	743.28	743.93	744.59	745.24	745.90	746.55	746.70	746.86	747.01	747.08	747.16
8	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	746.95	747.03	747.10
9	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	746.95	747.03	747.10
10	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	746.95	747.03	747.10
11	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	746.95	747.03	747.10
12	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	746.95	747.03	747.10
13	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	746.95	747.03	747.10
14	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	746.95	747.03	747.10
15	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	746.95	747.03	747.10
16	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	746.95	747.03	747.10
17	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	746.95	747.03	747.10
18	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	746.95	747.03	747.10
19	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	746.95	747.03	747.10
20	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	746.95	747.03	747.10
21	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	746.95	747.03	747.10
22	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	746.95	747.03	747.10
23	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	746.95	747.03	747.10
24	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	746.95	747.03	747.10
25	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	746.95	747.03	747.10
26	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	746.95	747.03	747.10
27	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	746.95	747.03	747.10
28	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	746.95	747.03	747.10
29	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	746.95	747.03	747.10
30	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	746.95	747.03	747.10
31	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	746.95	747.03	747.10

SET748 - GSL ELEVATIONS CORRESPONDING TO LEVEL FOR MARCH

EVEL	**2.50**	2.60	2.70	2.80	2.90	**3.00**	3.10	3.20	3.30	3.40	**3.50**	3.60	3.70	3.80	3.90	**4.00**
Day of Month																
1	747.67	747.83	747.99	748.15	748.31	748.47	750.92	753.38	755.83	758.28	760.74	763.19	765.64	768.09	770.55	773.00
2	747.61	747.77	747.93	748.09	748.24	748.40	750.86	753.32	755.78	758.24	760.70	763.16	765.62	768.08	770.54	773.00
3	747.55	747.71	747.86	748.02	748.18	748.34	750.80	753.27	755.74	758.20	760.67	763.13	765.60	768.07	770.53	773.00
4	747.49	747.64	747.80	747.96	748.11	748.27	750.74	753.21	755.69	758.16	760.63	763.11	765.58	768.05	770.53	773.00
5	747.43	747.58	747.74	747.89	748.05	748.20	750.68	753.16	755.64	758.12	760.60	763.08	765.56	768.04	770.52	773.00
6	747.37	747.52	747.68	747.83	747.98	748.13	750.62	753.11	755.59	758.08	760.57	763.05	765.54	768.03	770.51	773.00
7	747.31	747.46	747.61	747.76	747.92	748.07	750.56	753.05	755.55	758.04	760.53	763.03	765.52	768.01	770.51	773.00
8	747.25	747.40	747.55	747.70	747.85	748.00	750.50	753.00	755.50	758.00	760.50	763.00	765.50	768.00	770.50	773.00
9	747.25	747.40	747.55	747.70	747.85	748.00	750.50	753.00	755.50	758.00	760.50	763.00	765.50	768.00	770.50	773.00
10	747.25	747.40	747.55	747.70	747.85	748.00	750.50	753.00	755.50	758.00	760.50	763.00	765.50	768.00	770.50	773.00
11	747.25	747.40	747.55	747.70	747.85	748.00	750.50	753.00	755.50	758.00	760.50	763.00	765.50	768.00	770.50	773.00
12	747.25	747.40	747.55	747.70	747.85	748.00	750.50	753.00	755.50	758.00	760.50	763.00	765.50	768.00	770.50	773.00
13	747.25	747.40	747.55	747.70	747.85	748.00	750.50	753.00	755.50	758.00	760.50	763.00	765.50	768.00	770.50	773.00
14	747.25	747.40	747.55	747.70	747.85	748.00	750.50	753.00	755.50	758.00	760.50	763.00	765.50	768.00	770.50	773.00
15	747.25	747.40	747.55	747.70	747.85	748.00	750.50	753.00	755.50	758.00	760.50	763.00	765.50	768.00	770.50	773.00
16	747.25	747.40	747.55	747.70	747.85	748.00	750.50	753.00	755.50	758.00	760.50	763.00	765.50	768.00	770.50	773.00
17	747.25	747.40	747.55	747.70	747.85	748.00	750.50	753.00	755.50	758.00	760.50	763.00	765.50	768.00	770.50	773.00
18	747.25	747.40	747.55	747.70	747.85	748.00	750.50	753.00	755.50	758.00	760.50	763.00	765.50	768.00	770.50	773.00
19	747.25	747.40	747.55	747.70	747.85	748.00	750.50	753.00	755.50	758.00	760.50	763.00	765.50	768.00	770.50	773.00
20	747.25	747.40	747.55	747.70	747.85	748.00	750.50	753.00	755.50	758.00	760.50	763.00	765.50	768.00	770.50	773.00
21	747.25	747.40	747.55	747.70	747.85	748.00	750.50	753.00	755.50	758.00	760.50	763.00	765.50	768.00	770.50	773.00
22	747.25	747.40	747.55	747.70	747.85	748.00	750.50	753.00	755.50	758.00	760.50	763.00	765.50	768.00	770.50	773.00
23	747.25	747.40	747.55	747.70	747.85	748.00	750.50	753.00	755.50	758.00	760.50	763.00	765.50	768.00	770.50	773.00
24	747.25	747.40	747.55	747.70	747.85	748.00	750.50	753.00	755.50	758.00	760.50	763.00	765.50	768.00	770.50	773.00
25	747.25	747.40	747.55	747.70	747.85	748.00	750.50	753.00	755.50	758.00	760.50	763.00	765.50	768.00	770.50	773.00
26	747.25	747.40	747.55	747.70	747.85	748.00	750.50	753.00	755.50	758.00	760.50	763.00	765.50	768.00	770.50	773.00
27	747.25	747.40	747.55	747.70	747.85	748.00	750.50	753.00	755.50	758.00	760.50	763.00	765.50	768.00	770.50	773.00
28	747.25	747.40	747.55	747.70	747.85	748.00	750.50	753.00	755.50	758.00	760.50	763.00	765.50	768.00	770.50	773.00
29	747.25	747.40	747.55	747.70	747.85	748.00	750.50	753.00	755.50	758.00	760.50	763.00	765.50	768.00	770.50	773.00
30	747.25	747.40	747.55	747.70	747.85	748.00	750.50	753.00	755.50	758.00	760.50	763.00	765.50	768.00	770.50	773.00
31	747.25	747.40	747.55	747.70	747.85	748.00	750.50	753.00	755.50	758.00	760.50	763.00	765.50	768.00	770.50	773.00

Great Sacandaga Lake Elevations For Varying Levels

SET748 - GSL ELEVATIONS CORRESPONDING TO LEVEL FOR APRIL

LEVEL	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.10	2.20	2.30	2.35	2.40
Day of Month																
1	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	746.95	747.03	747.10
2	740.53	741.18	741.83	742.47	743.12	743.77	744.41	745.06	745.71	746.35	747.00	747.16	747.31	747.47	747.55	747.63
3	741.07	741.71	742.35	743.00	743.64	744.28	744.93	745.57	746.21	746.86	747.50	747.66	747.83	747.99	748.07	748.15
4	741.60	742.24	742.88	743.52	744.16	744.80	745.44	746.08	746.72	747.36	748.00	748.17	748.34	748.51	748.60	748.68
5	742.13	742.77	743.41	744.04	744.68	745.32	745.95	746.59	747.23	747.86	748.50	748.68	748.85	749.03	749.12	749.21
6	742.67	743.30	743.93	744.57	745.20	745.83	746.47	747.10	747.73	748.37	749.00	749.18	749.37	749.55	749.64	749.73
7	743.20	743.83	744.46	745.09	745.72	746.35	746.98	747.61	748.24	748.87	749.50	749.69	749.88	750.07	750.17	750.26
8	743.73	744.36	744.99	745.61	746.24	746.87	747.49	748.12	748.75	749.37	750.00	750.20	750.39	750.59	750.69	750.79
9	744.27	744.89	745.51	746.14	746.76	747.38	748.01	748.63	749.25	749.88	750.50	750.70	750.91	751.11	751.21	751.31
10	744.80	745.42	746.04	746.66	747.28	747.90	748.52	749.14	749.76	750.38	751.00	751.21	751.42	751.63	751.74	751.84
11	745.33	745.95	746.57	747.18	747.80	748.42	749.03	749.65	750.27	750.88	751.50	751.72	751.93	752.15	752.26	752.37
12	745.87	746.48	747.09	747.71	748.32	748.93	749.55	750.16	750.77	751.39	752.00	752.22	752.45	752.67	752.78	752.89
13	746.40	747.01	747.62	748.23	748.84	749.45	750.06	750.67	751.28	751.89	752.50	752.73	752.96	753.19	753.31	753.42
14	746.93	747.54	748.15	748.75	749.36	749.97	750.57	751.18	751.79	752.39	753.00	753.24	753.47	753.71	753.83	753.95
15	747.47	748.07	748.67	749.28	749.88	750.48	751.09	751.69	752.29	752.90	753.50	753.74	753.99	754.23	754.35	754.47
16	748.00	748.60	749.20	749.80	750.40	751.00	751.60	752.20	752.80	753.40	754.00	754.25	754.50	754.75	754.88	755.00
17	748.53	749.13	749.73	750.32	750.92	751.52	752.11	752.71	753.31	753.90	754.50	754.76	755.01	755.27	755.40	755.53
18	749.07	749.66	750.25	750.85	751.44	752.03	752.63	753.22	753.81	754.41	755.00	755.26	755.53	755.79	755.92	756.05
19	749.60	750.19	750.78	751.37	751.96	752.55	753.14	753.73	754.32	754.91	755.50	755.77	756.04	756.31	756.45	756.58
20	750.13	750.72	751.31	751.89	752.48	753.07	753.65	754.24	754.83	755.41	756.00	756.28	756.55	756.83	756.97	757.11
21	750.67	751.25	751.83	752.42	753.00	753.58	754.17	754.75	755.33	755.92	756.50	756.78	757.07	757.35	757.49	757.63
22	751.20	751.78	752.36	752.94	753.52	754.10	754.68	755.26	755.84	756.42	757.00	757.29	757.58	757.87	758.02	758.16
23	751.73	752.31	752.89	753.46	754.04	754.62	755.19	755.77	756.35	756.92	757.50	757.80	758.09	758.39	758.54	758.69
24	752.27	752.84	753.41	753.99	754.56	755.13	755.71	756.28	756.85	757.43	758.00	758.30	758.61	758.91	759.06	759.21
25	752.80	753.37	753.94	754.51	755.08	755.65	756.22	756.79	757.36	757.93	758.50	758.81	759.12	759.43	759.59	759.74
26	753.33	753.90	754.47	755.03	755.60	756.17	756.73	757.30	757.87	758.43	759.00	759.32	759.63	759.95	760.11	760.27
27	753.87	754.43	754.99	755.56	756.12	756.68	757.25	757.81	758.37	758.94	759.50	759.82	760.15	760.47	760.63	760.79
28	754.40	754.96	755.52	756.08	756.64	757.20	757.76	758.32	758.88	759.44	760.00	760.33	760.66	760.99	761.16	761.32
29	754.93	755.49	756.05	756.60	757.16	757.72	758.27	758.83	759.39	759.94	760.50	760.84	761.17	761.51	761.68	761.85
30	755.47	756.02	756.57	757.13	757.68	758.23	758.79	759.34	759.89	760.45	761.00	761.34	761.69	762.03	762.20	762.37

SET748 - GSL ELEVATIONS CORRESPONDING TO LEVEL FOR APRIL

EVEL	2.50	2.60	2.70	2.80	2.90	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70	3.80	3.90	4.00
Day of Month																
1	747.25	747.40	747.55	747.70	747.85	748.00	750.50	753.00	755.50	758.00	760.50	763.00	765.50	768.00	770.50	773.00
2	747.78	747.94	748.10	748.25	748.41	748.57	751.01	753.45	755.90	758.34	760.78	763.23	765.67	768.11	770.56	773.00
3	748.32	748.48	748.64	748.81	748.97	749.13	751.52	753.91	756.29	758.68	761.07	763.45	765.84	768.23	770.61	773.00
4	748.85	749.02	749.19	749.36	749.53	749.70	752.03	754.36	756.69	759.02	761.35	763.68	766.01	768.34	770.67	773.00
5	749.38	749.56	749.74	749.91	750.09	750.27	752.54	754.81	757.09	759.36	761.63	763.91	766.18	768.45	770.73	773.00
6	749.92	750.10	750.28	750.47	750.65	750.83	753.05	755.27	757.48	759.70	761.92	764.13	766.35	768.57	770.78	773.00
7	750.45	750.64	750.83	751.02	751.21	751.40	753.56	755.72	757.88	760.04	762.20	764.36	766.52	768.68	770.84	773.00
8	750.98	751.18	751.38	751.57	751.77	751.97	754.07	756.17	758.28	760.38	762.48	764.59	766.69	768.79	770.90	773.00
9	751.52	751.72	751.92	752.13	752.33	752.53	754.58	756.63	758.67	760.72	762.77	764.81	766.86	768.91	770.95	773.00
10	752.05	752.26	752.47	752.68	752.89	753.10	755.09	757.08	759.07	761.06	763.05	765.04	767.03	769.02	771.01	773.00
11	752.58	752.80	753.02	753.23	753.45	753.67	755.60	757.53	759.47	761.40	763.33	765.27	767.20	769.13	771.07	773.00
12	753.12	753.34	753.56	753.79	754.01	754.23	756.11	757.99	759.86	761.74	763.62	765.49	767.37	769.25	771.12	773.00
13	753.65	753.88	754.11	754.34	754.57	754.80	756.62	758.44	760.26	762.08	763.90	765.72	767.54	769.36	771.18	773.00
14	754.18	754.42	754.66	754.89	755.13	755.37	757.13	758.89	760.66	762.42	764.18	765.95	767.71	769.47	771.24	773.00
15	754.72	754.96	755.20	755.45	755.69	755.93	757.64	759.35	761.05	762.76	764.47	766.17	767.88	769.59	771.29	773.00
16	755.25	755.50	755.75	756.00	756.25	756.50	758.15	759.80	761.45	763.10	764.75	766.40	768.05	769.70	771.35	773.00
17	755.78	756.04	756.30	756.55	756.81	757.07	758.66	760.25	761.85	763.44	765.03	766.63	768.22	769.81	771.41	773.00
18	756.32	756.58	756.84	757.11	757.37	757.63	759.17	760.71	762.24	763.78	765.32	766.85	768.39	769.93	771.46	773.00
19	756.85	757.12	757.39	757.66	757.93	758.20	759.68	761.16	762.64	764.12	765.60	767.08	768.56	770.04	771.52	773.00
20	757.38	757.66	757.94	758.21	758.49	758.77	760.19	761.61	763.04	764.46	765.88	767.31	768.73	770.15	771.58	773.00
21	757.92	758.20	758.48	758.77	759.05	759.33	760.70	762.07	763.43	764.80	766.17	767.53	768.90	770.27	771.63	773.00
22	758.45	758.74	759.03	759.32	759.61	759.90	761.21	762.52	763.83	765.14	766.45	767.76	769.07	770.38	771.69	773.00
23	758.98	759.28	759.58	759.87	760.17	760.47	761.72	762.97	764.23	765.48	766.73	767.99	769.24	770.49	771.75	773.00
24	759.52	759.82	760.12	760.43	760.73	761.03	762.23	763.43	764.62	765.82	767.02	768.21	769.41	770.61	771.80	773.00
25	760.05	760.36	760.67	760.98	761.29	761.60	762.74	763.88	765.02	766.16	767.30	768.44	769.58	770.72	771.86	773.00
26	760.58	760.90	761.22	761.53	761.85	762.17	763.25	764.33	765.42	766.50	767.58	768.67	769.75	770.83	771.92	773.00
27	761.12	761.44	761.76	762.09	762.41	762.73	763.76	764.79	765.81	766.84	767.87	768.89	769.92	770.95	771.97	773.00
28	761.65	761.98	762.31	762.64	762.97	763.30	764.27	765.24	766.21	767.18	768.15	769.12	770.09	771.06	772.03	773.00
29	762.18	762.52	762.86	763.19	763.53	763.87	764.78	765.69	766.61	767.52	768.43	769.35	770.26	771.17	772.09	773.00
30	762.72	763.06	763.40	763.75	764.09	764.43	765.29	766.15	767.00	767.86	768.72	769.57	770.43	771.29	772.14	773.00

Great Sacandaga Lake Elevations For Varying Levels

SET749A&B - GSL ELEVATIONS CORRESPONDING TO LEVEL FOR JANUARY

LEVEL	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.10	2.20	2.30	2.35	2.40
Day of Month																
1	740.00	741.00	742.00	743.00	744.00	745.00	746.00	747.00	748.00	749.00	750.00	750.25	750.50	750.75	750.88	751.00
2	740.00	740.99	741.99	742.98	743.98	744.97	745.97	746.96	747.96	748.95	749.95	750.20	750.44	750.69	750.82	750.95
3	740.00	740.99	741.98	742.97	743.96	744.95	745.94	746.93	747.92	748.91	749.90	750.14	750.39	750.64	750.77	750.90
4	740.00	740.98	741.97	742.95	743.94	744.92	745.91	746.89	747.87	748.86	749.84	750.09	750.33	750.58	750.72	750.84
5	740.00	740.98	741.96	742.94	743.92	744.90	745.87	746.85	747.83	748.81	749.79	750.04	750.28	750.52	750.67	750.79
6	740.00	740.97	741.95	742.92	743.90	744.87	745.84	746.82	747.79	748.76	749.74	749.98	750.22	750.47	750.61	750.74
7	740.00	740.97	741.94	742.91	743.87	744.84	745.81	746.78	747.75	748.72	749.69	749.93	750.17	750.41	750.56	750.69
8	740.00	740.96	741.93	742.89	743.85	744.82	745.78	746.74	747.71	748.67	749.63	749.87	750.11	750.35	750.51	750.63
9	740.00	740.96	741.92	742.87	743.83	744.79	745.75	746.71	747.67	748.62	749.58	749.82	750.06	750.30	750.46	750.58
10	740.00	740.95	741.91	742.86	743.81	744.76	745.72	746.67	747.62	748.58	749.53	749.77	750.00	750.24	750.40	750.53
11	740.00	740.95	741.90	742.84	743.79	744.74	745.69	746.63	747.58	748.53	749.48	749.71	749.95	750.18	750.35	750.48
12	740.00	740.94	741.89	742.83	743.77	744.71	745.66	746.60	747.54	748.48	749.43	749.66	749.89	750.13	750.30	750.43
13	740.00	740.94	741.87	742.81	743.75	744.69	745.62	746.56	747.50	748.44	749.37	749.61	749.84	750.07	750.25	750.37
14	740.00	740.93	741.86	742.80	743.73	744.66	745.59	746.52	747.46	748.39	749.32	749.55	749.78	750.01	750.20	750.32
15	740.00	740.93	741.85	742.78	743.71	744.63	745.56	746.49	747.41	748.34	749.27	749.50	749.73	749.96	750.14	750.27
16	740.00	740.92	741.84	742.76	743.69	744.61	745.53	746.45	747.37	748.29	749.22	749.44	749.67	749.90	750.09	750.22
17	740.00	740.92	741.83	742.75	743.67	744.58	745.50	746.41	747.33	748.25	749.16	749.39	749.62	749.84	750.04	750.16
18	740.00	740.91	741.82	742.73	743.64	744.56	745.47	746.38	747.29	748.20	749.11	749.34	749.56	749.79	749.99	750.11
19	740.00	740.91	741.81	742.72	743.62	744.53	745.44	746.34	747.25	748.15	749.06	749.28	749.51	749.73	749.93	750.06
20	740.00	740.90	741.80	742.70	743.60	744.50	745.40	746.31	747.21	748.11	749.01	749.23	749.45	749.67	749.88	750.01
21	740.00	740.90	741.79	742.69	743.58	744.48	745.37	746.27	747.16	748.06	748.96	749.18	749.40	749.62	749.83	749.96
22	740.00	740.89	741.78	742.67	743.56	744.45	745.34	746.23	747.12	748.01	748.90	749.12	749.34	749.56	749.78	749.90
23	740.00	740.89	741.77	742.66	743.54	744.43	745.31	746.20	747.08	747.97	748.85	749.07	749.29	749.50	749.73	749.85
24	740.00	740.88	741.76	742.64	743.52	744.40	745.28	746.16	747.04	747.92	748.80	749.01	749.23	749.45	749.67	749.80
25	740.00	740.87	741.75	742.62	743.50	744.37	745.25	746.12	747.00	747.87	748.75	748.96	749.17	749.50	749.62	749.75
26	740.00	740.87	741.74	742.61	743.48	744.35	745.22	746.09	746.96	747.82	748.69	748.91	749.12	749.44	749.57	749.69
27	740.00	740.86	741.73	742.59	743.46	744.32	745.19	746.05	746.91	747.78	748.64	748.85	749.06	749.39	749.52	749.64
28	740.00	740.86	741.72	742.58	743.44	744.29	745.15	746.01	746.87	747.73	748.59	748.80	749.01	749.34	749.46	749.59
29	740.00	740.85	741.71	742.56	743.41	744.27	745.12	745.98	746.83	747.68	748.54	748.75	748.95	749.29	749.41	749.54
30	740.00	740.85	741.70	742.55	743.39	744.24	745.09	745.94	746.79	747.64	748.49	748.69	748.90	749.24	749.36	749.49
31	740.00	740.84	741.69	742.53	743.37	744.22	745.06	745.90	746.75	747.59	748.43	748.64	748.84	749.18	749.31	749.43

SET749A&B - GSL ELEVATIONS CORRESPONDING TO LEVEL FOR JANUARY

EVEL	2.50	2.60	2.70	2.80	2.90	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70	3.80	3.90	4.00
Day of Month																
1	751.25	751.50	751.75	752.00	752.25	752.50	754.55	756.60	758.65	760.70	762.75	764.80	766.85	768.90	770.95	773.00
2	751.20	751.45	751.70	751.95	752.20	752.45	754.50	756.56	758.61	760.67	762.72	764.78	766.83	768.89	770.94	773.00
3	751.15	751.40	751.65	751.90	752.15	752.40	754.46	756.52	758.58	760.64	762.70	764.76	766.82	768.88	770.94	773.00
4	751.09	751.34	751.59	751.84	752.09	752.34	754.41	756.47	758.54	760.61	762.67	764.74	766.80	768.87	770.93	773.00
5	751.04	751.29	751.54	751.79	752.04	752.29	754.36	756.43	758.50	760.57	762.65	764.72	766.79	768.86	770.93	773.00
6	750.99	751.24	751.49	751.74	751.99	752.24	754.31	756.39	758.47	760.54	762.62	764.70	766.77	768.85	770.92	773.00
7	750.94	751.19	751.44	751.69	751.94	752.19	754.27	756.35	758.43	760.51	762.59	764.67	766.76	768.84	770.92	773.00
8	750.88	751.13	751.38	751.63	751.88	752.13	754.22	756.31	758.39	760.48	762.57	764.65	766.74	768.83	770.91	773.00
9	750.83	751.08	751.33	751.58	751.83	752.08	754.17	756.27	758.36	760.45	762.54	764.63	766.72	768.82	770.91	773.00
10	750.78	751.03	751.28	751.53	751.78	752.03	754.13	756.22	758.32	760.42	762.51	764.61	766.71	768.81	770.90	773.00
11	750.73	750.98	751.23	751.48	751.73	751.98	754.08	756.18	758.28	760.39	762.49	764.59	766.69	768.80	770.90	773.00
12	750.68	750.93	751.18	751.43	751.68	751.93	754.03	756.14	758.25	760.36	762.46	764.57	766.68	768.79	770.89	773.00
13	750.62	750.87	751.12	751.37	751.62	751.87	753.99	756.10	758.21	760.32	762.44	764.55	766.66	768.77	770.89	773.00
14	750.57	750.82	751.07	751.32	751.57	751.82	753.94	756.06	758.17	760.29	762.41	764.53	766.65	768.76	770.88	773.00
15	750.52	750.77	751.02	751.27	751.52	751.77	753.89	756.01	758.14	760.26	762.38	764.51	766.63	768.75	770.88	773.00
16	750.47	750.72	750.97	751.22	751.47	751.72	753.84	755.97	758.10	760.23	762.36	764.49	766.61	768.74	770.87	773.00
17	750.41	750.66	750.91	751.16	751.41	751.66	753.80	755.93	758.06	760.20	762.33	764.47	766.60	768.73	770.87	773.00
18	750.36	750.61	750.86	751.11	751.36	751.61	753.75	755.89	758.03	760.17	762.31	764.44	766.58	768.72	770.86	773.00
19	750.31	750.56	750.81	751.06	751.31	751.56	753.70	755.85	757.99	760.14	762.28	764.42	766.57	768.71	770.86	773.00
20	750.26	750.51	750.76	751.01	751.26	751.51	753.66	755.81	757.96	760.10	762.25	764.40	766.55	768.70	770.85	773.00
21	750.21	750.46	750.71	750.96	751.21	751.46	753.61	755.76	757.92	760.07	762.23	764.38	766.54	768.69	770.85	773.00
22	750.15	750.40	750.65	750.90	751.15	751.40	753.56	755.72	757.88	760.04	762.20	764.36	766.52	768.68	770.84	773.00
23	750.10	750.35	750.60	750.85	751.10	751.35	753.52	755.68	757.85	760.01	762.18	764.34	766.51	768.67	770.84	773.00
24	750.05	750.30	750.55	750.80	751.05	751.30	753.47	755.64	757.81	759.98	762.15	764.32	766.49	768.66	770.83	773.00
25	750.00	750.25	750.50	750.75	751.00	751.25	753.42	755.60	757.77	759.95	762.12	764.30	766.47	768.65	770.82	773.00
26	749.94	750.19	750.44	750.69	750.94	751.19	753.37	755.56	757.74	759.92	762.10	764.28	766.46	768.64	770.82	773.00
27	749.89	750.14	750.39	750.64	750.89	751.14	753.33	755.51	757.70	759.89	762.07	764.26	766.44	768.63	770.81	773.00
28	749.84	750.09	750.34	750.59	750.84	751.09	753.28	755.47	757.66	759.85	762.04	764.24	766.43	768.62	770.81	773.00
29	749.79	750.04	750.29	750.54	750.79	751.04	753.23	755.43	757.63	759.82	762.02	764.21	766.41	768.61	770.80	773.00
30	749.74	749.99	750.24	750.49	750.74	750.99	753.19	755.39	757.59	759.79	761.99	764.19	766.40	768.60	770.80	773.00
31	749.68	749.93	750.18	750.43	750.68	750.93	753.14	755.35	757.55	759.76	761.97	764.17	766.38	768.59	770.79	773.00

SET749A&B - GSL ELEVATIONS CORRESPONDING TO LEVEL FOR FEBRUARY

LEVEL	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.10	2.20	2.30	2.35	2.40
Day of Month																
1	740.00	740.84	741.68	742.51	743.35	744.19	745.03	745.87	746.70	747.54	748.38	748.58	748.79	748.99	749.26	749.38
2	740.00	740.83	741.67	742.50	743.33	744.16	745.00	745.83	746.66	747.50	748.33	748.53	748.73	748.94	749.20	749.33
3	740.00	740.83	741.66	742.48	743.31	744.14	744.97	745.79	746.62	747.45	748.28	748.48	748.68	748.88	749.15	749.28
4	740.00	740.82	741.64	742.47	743.29	744.11	744.93	745.76	746.58	747.40	748.22	748.42	748.62	748.82	749.10	749.22
5	740.00	740.82	741.63	742.45	743.27	744.09	744.90	745.72	746.54	747.35	748.17	748.37	748.57	748.76	749.05	749.17
6	740.00	740.81	741.62	742.44	743.25	744.06	744.87	745.68	746.50	747.31	748.12	748.32	748.51	748.71	748.99	749.12
7	740.00	740.81	741.61	742.42	743.23	744.03	744.84	745.65	746.45	747.26	748.07	748.26	748.46	748.65	748.94	749.07
8	740.00	740.80	741.60	742.40	743.21	744.01	744.81	745.61	746.41	747.21	748.01	748.21	748.40	748.59	748.89	749.01
9	740.00	740.80	741.59	742.39	743.19	743.98	744.78	745.57	746.37	747.17	747.96	748.15	748.35	748.54	748.84	748.96
10	740.00	740.79	741.58	742.37	743.16	743.96	744.75	745.54	746.33	747.12	747.91	748.10	748.29	748.48	748.79	748.91
11	740.00	740.79	741.57	742.36	743.14	743.93	744.71	745.50	746.29	747.07	747.86	748.05	748.24	748.61	748.73	748.86
12	740.00	740.78	741.56	742.34	743.12	743.90	744.68	745.46	746.24	747.03	747.81	747.99	748.18	748.56	748.68	748.81
13	740.00	740.78	741.55	742.33	743.10	743.88	744.65	745.43	746.20	746.98	747.75	747.94	748.13	748.50	748.63	748.75
14	740.00	740.77	741.54	742.31	743.08	743.85	744.62	745.39	746.16	746.93	747.70	747.89	748.07	748.45	748.58	748.70
15	740.00	740.76	741.53	742.29	743.06	743.82	744.59	745.35	746.12	746.88	747.65	747.83	748.01	748.40	748.52	748.65
16	740.00	740.76	741.52	742.28	743.04	743.80	744.56	745.32	746.08	746.84	747.60	747.78	747.96	748.35	748.47	748.60
17	740.00	740.75	741.51	742.26	743.02	743.77	744.53	745.28	746.04	746.79	747.54	747.72	747.90	748.29	748.42	748.54
18	740.00	740.75	741.50	742.25	743.00	743.75	744.50	745.24	745.99	746.74	747.49	747.67	747.85	748.24	748.37	748.49
19	740.00	740.74	741.49	742.23	742.98	743.72	744.46	745.21	745.95	746.70	747.44	747.62	747.79	748.19	748.32	748.44
20	740.00	740.74	741.48	742.22	742.96	743.69	744.43	745.17	745.91	746.65	747.39	747.56	747.74	748.14	748.26	748.39
21	740.00	740.73	741.47	742.20	742.93	743.67	744.40	745.14	745.87	746.60	747.34	747.51	747.68	748.09	748.21	748.34
22	740.00	740.73	741.46	742.19	742.91	743.64	744.37	745.10	745.83	746.56	747.28	747.46	747.63	748.03	748.16	748.28
23	740.00	740.72	741.45	742.17	742.89	743.62	744.34	745.06	745.79	746.51	747.23	747.40	747.57	747.98	748.11	748.23
24	740.00	740.72	741.44	742.15	742.87	743.59	744.31	745.03	745.74	746.46	747.18	747.35	747.52	747.93	748.05	748.18
25	740.00	740.71	741.43	742.14	742.85	743.56	744.28	744.99	745.70	746.41	747.13	747.29	747.46	747.88	748.00	748.13
26	740.00	740.71	741.41	742.12	742.83	743.54	744.24	744.95	745.66	746.37	747.07	747.24	747.41	747.82	747.95	748.07
27	740.00	740.70	741.40	742.11	742.81	743.51	744.21	744.92	745.62	746.32	747.02	747.19	747.35	747.77	747.90	748.02
28	740.00	740.70	741.39	742.09	742.79	743.49	744.18	744.88	745.58	746.27	746.97	747.13	747.30	747.72	747.85	747.97
29	740.00	740.69	741.38	742.08	742.77	743.46	744.15	744.84	745.53	746.23	746.92	747.08	747.24	747.67	747.79	747.92

SET749A&B - GSL ELEVATIONS CORRESPONDING TO LEVEL FOR FEBRUARY

EVEL	2.50	2.60	2.70	2.80	2.90	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70	3.80	3.90	4.00
Day of Month																
1	749.63	749.88	750.13	750.38	750.63	750.88	753.09	755.30	757.52	759.73	761.94	764.15	766.36	768.58	770.79	773.00
2	749.58	749.83	750.08	750.33	750.58	750.83	753.05	755.26	757.48	759.70	761.91	764.13	766.35	768.57	770.78	773.00
3	749.53	749.78	750.03	750.28	750.53	750.78	753.00	755.22	757.44	759.67	761.89	764.11	766.33	768.56	770.78	773.00
4	749.47	749.72	749.97	750.22	750.47	750.72	752.95	755.18	757.41	759.63	761.86	764.09	766.32	768.54	770.77	773.00
5	749.42	749.67	749.92	750.17	750.42	750.67	752.90	755.14	757.37	759.60	761.84	764.07	766.30	768.53	770.77	773.00
6	749.37	749.62	749.87	750.12	750.37	750.62	752.86	755.10	757.33	759.57	761.81	764.05	766.29	768.52	770.76	773.00
7	749.32	749.57	749.82	750.07	750.32	750.57	752.81	755.05	757.30	759.54	761.78	764.03	766.27	768.51	770.76	773.00
8	749.26	749.51	749.76	750.01	750.26	750.51	752.76	755.01	757.26	759.51	761.76	764.01	766.25	768.50	770.75	773.00
9	749.21	749.46	749.71	749.96	750.21	750.46	752.72	754.97	757.22	759.48	761.73	763.99	766.24	768.49	770.75	773.00
10	749.16	749.41	749.66	749.91	750.16	750.41	752.67	754.93	757.19	759.45	761.71	763.96	766.22	768.48	770.74	773.00
11	749.11	749.36	749.61	749.86	750.11	750.36	752.62	754.89	757.15	759.41	761.68	763.94	766.21	768.47	770.74	773.00
12	749.06	749.31	749.56	749.81	750.06	750.31	752.58	754.84	757.11	759.38	761.65	763.92	766.19	768.46	770.73	773.00
13	749.00	749.25	749.50	749.75	750.00	750.25	752.53	754.80	757.08	759.35	761.63	763.90	766.18	768.45	770.73	773.00
14	748.95	749.20	749.45	749.70	749.95	750.20	752.48	754.76	757.04	759.32	761.60	763.88	766.16	768.44	770.72	773.00
15	748.90	749.15	749.40	749.65	749.90	750.15	752.43	754.72	757.00	759.29	761.57	763.86	766.14	768.43	770.71	773.00
16	748.85	749.10	749.35	749.60	749.85	750.10	752.39	754.68	756.97	759.26	761.55	763.84	766.13	768.42	770.71	773.00
17	748.79	749.04	749.29	749.54	749.79	750.04	752.34	754.64	756.93	759.23	761.52	763.82	766.11	768.41	770.70	773.00
18	748.74	748.99	749.24	749.49	749.74	749.99	752.29	754.59	756.89	759.20	761.50	763.80	766.10	768.40	770.70	773.00
19	748.69	748.94	749.19	749.44	749.69	749.94	752.25	754.55	756.86	759.16	761.47	763.78	766.08	768.39	770.69	773.00
20	748.64	748.89	749.14	749.39	749.64	749.89	752.20	754.51	756.82	759.13	761.44	763.76	766.07	768.38	770.69	773.00
21	748.59	748.84	749.09	749.34	749.59	749.84	752.15	754.47	756.79	759.10	761.42	763.73	766.05	768.37	770.68	773.00
22	748.53	748.78	749.03	749.28	749.53	749.78	752.11	754.43	756.75	759.07	761.39	763.71	766.04	768.36	770.68	773.00
23	748.48	748.73	748.98	749.23	749.48	749.73	752.06	754.39	756.71	759.04	761.37	763.69	766.02	768.35	770.67	773.00
24	748.43	748.68	748.93	749.18	749.43	749.68	752.01	754.34	756.68	759.01	761.34	763.67	766.00	768.34	770.67	773.00
25	748.38	748.63	748.88	749.13	749.38	749.63	751.96	754.30	756.64	758.98	761.31	763.65	765.99	768.33	770.66	773.00
26	748.32	748.57	748.82	749.07	749.32	749.57	751.92	754.26	756.60	758.94	761.29	763.63	765.97	768.31	770.66	773.00
27	748.27	748.52	748.77	749.02	749.27	749.52	751.87	754.22	756.57	758.91	761.26	763.61	765.96	768.30	770.65	773.00
28	748.22	748.47	748.72	748.97	749.22	749.47	751.82	754.18	756.53	758.88	761.24	763.59	765.94	768.29	770.65	773.00
29	748.17	748.42	748.67	748.92	749.17	749.42	751.78	754.13	756.49	758.85	761.21	763.57	765.93	768.28	770.64	773.00

Great Sacandaga Lake Elevations For Varying Levels

SET749A&B - GSL ELEVATIONS CORRESPONDING TO LEVEL FOR MARCH

LEVEL	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.10	2.20	2.30	2.35	2.40
Day of Month																
1	740.00	740.69	741.37	742.06	742.75	743.43	744.12	744.81	745.49	746.18	746.87	747.03	747.19	747.35	747.74	747.87
2	740.00	740.68	741.36	742.04	742.73	743.41	744.09	744.77	745.45	746.13	746.81	746.97	747.13	747.29	747.69	747.81
3	740.00	740.68	741.35	742.03	742.70	743.38	744.06	744.73	745.41	746.09	746.76	746.92	747.08	747.23	747.64	747.76
4	740.00	740.67	741.34	742.01	742.68	743.35	744.03	744.70	745.37	746.04	746.71	746.86	747.02	747.18	747.58	747.71
5	740.00	740.67	741.33	742.00	742.66	743.33	743.99	744.66	745.33	745.99	746.66	746.81	746.97	747.12	747.53	747.66
6	740.00	740.66	741.32	741.98	742.64	743.30	743.96	744.62	745.28	745.94	746.60	746.76	746.91	747.06	747.48	747.60
7	740.00	740.66	741.31	741.97	742.62	743.28	743.93	744.59	745.24	745.90	746.55	746.70	746.86	747.01	747.43	747.55
8	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	746.95	747.38	747.50
9	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	746.95	747.38	747.50
10	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	746.95	747.38	747.50
11	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	747.25	747.38	747.50
12	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	747.25	747.38	747.50
13	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	747.25	747.38	747.50
14	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	747.25	747.38	747.50
15	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	747.25	747.38	747.50
16	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	747.25	747.38	747.50
17	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	747.25	747.38	747.50
18	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	747.25	747.38	747.50
19	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	747.25	747.38	747.50
20	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	747.25	747.38	747.50
21	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	747.25	747.38	747.50
22	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	747.25	747.38	747.50
23	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	747.25	747.38	747.50
24	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	747.25	747.38	747.50
25	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	747.25	747.38	747.50
26	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	747.25	747.38	747.50
27	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	747.25	747.38	747.50
28	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	747.25	747.38	747.50
29	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	747.25	747.38	747.50
30	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	747.25	747.38	747.50
31	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	747.25	747.38	747.50

SET749A&B - GSL ELEVATIONS CORRESPONDING TO LEVEL FOR MARCH

EVEL	2.50	2.60	2.70	2.80	2.90	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70	3.80	3.90	4.00
Day of Month																
1	748.12	748.37	748.62	748.87	749.12	749.37	751.73	754.09	756.46	758.82	761.18	763.55	765.91	768.27	770.64	773.00
2	748.06	748.31	748.56	748.81	749.06	749.31	751.68	754.05	756.42	758.79	761.16	763.53	765.89	768.26	770.63	773.00
3	748.01	748.26	748.51	748.76	749.01	749.26	751.64	754.01	756.38	758.76	761.13	763.50	765.88	768.25	770.63	773.00
4	747.96	748.21	748.46	748.71	748.96	749.21	751.59	753.97	756.35	758.73	761.10	763.48	765.86	768.24	770.62	773.00
5	747.91	748.16	748.41	748.66	748.91	749.16	751.54	753.93	756.31	758.69	761.08	763.46	765.85	768.23	770.62	773.00
6	747.85	748.10	748.35	748.60	748.85	749.10	751.49	753.88	756.27	758.66	761.05	763.44	765.83	768.22	770.61	773.00
7	747.80	748.05	748.30	748.55	748.80	749.05	751.45	753.84	756.24	758.63	761.03	763.42	765.82	768.21	770.61	773.00
8	747.75	748.00	748.25	748.50	748.75	749.00	751.40	753.80	756.20	758.60	761.00	763.40	765.80	768.20	770.60	773.00
9	747.75	748.00	748.25	748.50	748.75	749.00	751.40	753.80	756.20	758.60	761.00	763.40	765.80	768.20	770.60	773.00
10	747.75	748.00	748.25	748.50	748.75	749.00	751.40	753.80	756.20	758.60	761.00	763.40	765.80	768.20	770.60	773.00
11	747.75	748.00	748.25	748.50	748.75	749.00	751.40	753.80	756.20	758.60	761.00	763.40	765.80	768.20	770.60	773.00
12	747.75	748.00	748.25	748.50	748.75	749.00	751.40	753.80	756.20	758.60	761.00	763.40	765.80	768.20	770.60	773.00
13	747.75	748.00	748.25	748.50	748.75	749.00	751.40	753.80	756.20	758.60	761.00	763.40	765.80	768.20	770.60	773.00
14	747.75	748.00	748.25	748.50	748.75	749.00	751.40	753.80	756.20	758.60	761.00	763.40	765.80	768.20	770.60	773.00
15	747.75	748.00	748.25	748.50	748.75	749.00	751.40	753.80	756.20	758.60	761.00	763.40	765.80	768.20	770.60	773.00
16	747.75	748.00	748.25	748.50	748.75	749.00	751.40	753.80	756.20	758.60	761.00	763.40	765.80	768.20	770.60	773.00
17	747.75	748.00	748.25	748.50	748.75	749.00	751.40	753.80	756.20	758.60	761.00	763.40	765.80	768.20	770.60	773.00
18	747.75	748.00	748.25	748.50	748.75	749.00	751.40	753.80	756.20	758.60	761.00	763.40	765.80	768.20	770.60	773.00
19	747.75	748.00	748.25	748.50	748.75	749.00	751.40	753.80	756.20	758.60	761.00	763.40	765.80	768.20	770.60	773.00
20	747.75	748.00	748.25	748.50	748.75	749.00	751.40	753.80	756.20	758.60	761.00	763.40	765.80	768.20	770.60	773.00
21	747.75	748.00	748.25	748.50	748.75	749.00	751.40	753.80	756.20	758.60	761.00	763.40	765.80	768.20	770.60	773.00
22	747.75	748.00	748.25	748.50	748.75	749.00	751.40	753.80	756.20	758.60	761.00	763.40	765.80	768.20	770.60	773.00
23	747.75	748.00	748.25	748.50	748.75	749.00	751.40	753.80	756.20	758.60	761.00	763.40	765.80	768.20	770.60	773.00
24	747.75	748.00	748.25	748.50	748.75	749.00	751.40	753.80	756.20	758.60	761.00	763.40	765.80	768.20	770.60	773.00
25	747.75	748.00	748.25	748.50	748.75	749.00	751.40	753.80	756.20	758.60	761.00	763.40	765.80	768.20	770.60	773.00
26	747.75	748.00	748.25	748.50	748.75	749.00	751.40	753.80	756.20	758.60	761.00	763.40	765.80	768.20	770.60	773.00
27	747.75	748.00	748.25	748.50	748.75	749.00	751.40	753.80	756.20	758.60	761.00	763.40	765.80	768.20	770.60	773.00
28	747.75	748.00	748.25	748.50	748.75	749.00	751.40	753.80	756.20	758.60	761.00	763.40	765.80	768.20	770.60	773.00
29	747.75	748.00	748.25	748.50	748.75	749.00	751.40	753.80	756.20	758.60	761.00	763.40	765.80	768.20	770.60	773.00
30	747.75	748.00	748.25	748.50	748.75	749.00	751.40	753.80	756.20	758.60	761.00	763.40	765.80	768.20	770.60	773.00
31	747.75	748.00	748.25	748.50	748.75	749.00	751.40	753.80	756.20	758.60	761.00	763.40	765.80	768.20	770.60	773.00

SET749A&B - GSL ELEVATIONS CORRESPONDING TO LEVEL FOR APRIL

LEVEL	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.10	2.20	2.30	2.35	2.40
Day of Month																
1	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	746.95	747.38	747.50
2	740.53	741.18	741.83	742.47	743.12	743.77	744.41	745.06	745.71	746.35	747.00	747.16	747.31	747.47	747.89	748.01
3	741.07	741.71	742.35	743.00	743.64	744.28	744.93	745.57	746.21	746.86	747.50	747.66	747.83	747.99	748.40	748.53
4	741.60	742.24	742.88	743.52	744.16	744.80	745.44	746.08	746.72	747.36	748.00	748.17	748.34	748.51	748.91	749.04
5	742.13	742.77	743.41	744.04	744.68	745.32	745.95	746.59	747.23	747.86	748.50	748.68	748.85	749.03	749.42	749.55
6	742.67	743.30	743.93	744.57	745.20	745.83	746.47	747.10	747.73	748.37	749.00	749.18	749.37	749.55	749.93	750.07
7	743.20	743.83	744.46	745.09	745.72	746.35	746.98	747.61	748.24	748.87	749.50	749.69	749.88	750.07	750.45	750.58
8	743.73	744.36	744.99	745.61	746.24	746.87	747.49	748.12	748.75	749.37	750.00	750.20	750.39	750.59	750.96	751.09
9	744.27	744.89	745.51	746.14	746.76	747.38	748.01	748.63	749.25	749.88	750.50	750.70	750.91	751.11	751.47	751.61
10	744.80	745.42	746.04	746.66	747.28	747.90	748.52	749.14	749.76	750.38	751.00	751.21	751.42	751.63	751.98	752.12
11	745.33	745.95	746.57	747.18	747.80	748.42	749.03	749.65	750.27	750.88	751.50	751.72	751.93	752.35	752.49	752.63
12	745.87	746.48	747.09	747.71	748.32	748.93	749.55	750.16	750.77	751.39	752.00	752.22	752.45	752.86	753.00	753.15
13	746.40	747.01	747.62	748.23	748.84	749.45	750.06	750.67	751.28	751.89	752.50	752.73	752.96	753.37	753.52	753.66
14	746.93	747.54	748.15	748.75	749.36	749.97	750.57	751.18	751.79	752.39	753.00	753.24	753.47	753.88	754.03	754.17
15	747.47	748.07	748.67	749.28	749.88	750.48	751.09	751.69	752.29	752.90	753.50	753.74	753.99	754.39	754.54	754.69
16	748.00	748.60	749.20	749.80	750.40	751.00	751.60	752.20	752.80	753.40	754.00	754.25	754.50	754.90	755.05	755.20
17	748.53	749.13	749.73	750.32	750.92	751.52	752.11	752.71	753.31	753.90	754.50	754.76	755.01	755.41	755.56	755.71
18	749.07	749.66	750.25	750.85	751.44	752.03	752.63	753.22	753.81	754.41	755.00	755.26	755.53	755.92	756.07	756.23
19	749.60	750.19	750.78	751.37	751.96	752.55	753.14	753.73	754.32	754.91	755.50	755.77	756.04	756.43	756.59	756.74
20	750.13	750.72	751.31	751.89	752.48	753.07	753.65	754.24	754.83	755.41	756.00	756.28	756.55	756.94	757.10	757.25
21	750.67	751.25	751.83	752.42	753.00	753.58	754.17	754.75	755.33	755.92	756.50	756.78	757.07	757.45	757.61	757.77
22	751.20	751.78	752.36	752.94	753.52	754.10	754.68	755.26	755.84	756.42	757.00	757.29	757.58	757.96	758.12	758.28
23	751.73	752.31	752.89	753.46	754.04	754.62	755.19	755.77	756.35	756.92	757.50	757.80	758.09	758.47	758.63	758.79
24	752.27	752.84	753.41	753.99	754.56	755.13	755.71	756.28	756.85	757.43	758.00	758.30	758.61	758.98	759.14	759.31
25	752.80	753.37	753.94	754.51	755.08	755.65	756.22	756.79	757.36	757.93	758.50	758.81	759.12	759.49	759.66	759.82
26	753.33	753.90	754.47	755.03	755.60	756.17	756.73	757.30	757.87	758.43	759.00	759.32	759.63	760.00	760.17	760.33
27	753.87	754.43	754.99	755.56	756.12	756.68	757.25	757.81	758.37	758.94	759.50	759.82	760.15	760.51	760.68	760.85
28	754.40	754.96	755.52	756.08	756.64	757.20	757.76	758.32	758.88	759.44	760.00	760.33	760.66	761.02	761.19	761.36
29	754.93	755.49	756.05	756.60	757.16	757.72	758.27	758.83	759.39	759.94	760.50	760.84	761.17	761.53	761.70	761.87
30	755.47	756.02	756.57	757.13	757.68	758.23	758.79	759.34	759.89	760.45	761.00	761.34	761.69	762.04	762.21	762.39

SET749A&B - GSL ELEVATIONS CORRESPONDING TO LEVEL FOR APRIL

EVEL	2.50	2.60	2.70	2.80	2.90	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70	3.80	3.90	4.00
Day of Month																
1	747.75	748.00	748.25	748.50	748.75	749.00	751.40	753.80	756.20	758.60	761.00	763.40	765.80	768.20	770.60	773.00
2	748.27	748.52	748.77	749.03	749.28	749.53	751.88	754.23	756.57	758.92	761.27	763.61	765.96	768.31	770.65	773.00
3	748.78	749.04	749.30	749.55	749.81	750.07	752.36	754.65	756.95	759.24	761.53	763.83	766.12	768.41	770.71	773.00
4	749.30	749.56	749.82	750.08	750.34	750.60	752.84	755.08	757.32	759.56	761.80	764.04	766.28	768.52	770.76	773.00
5	749.82	750.08	750.34	750.61	750.87	751.13	753.32	755.51	757.69	759.88	762.07	764.25	766.44	768.63	770.81	773.00
6	750.33	750.60	750.87	751.13	751.40	751.67	753.80	755.93	758.07	760.20	762.33	764.47	766.60	768.73	770.87	773.00
7	750.85	751.12	751.39	751.66	751.93	752.20	754.28	756.36	758.44	760.52	762.60	764.68	766.76	768.84	770.92	773.00
8	751.37	751.64	751.91	752.19	752.46	752.73	754.76	756.79	758.81	760.84	762.87	764.89	766.92	768.95	770.97	773.00
9	751.88	752.16	752.44	752.71	752.99	753.27	755.24	757.21	759.19	761.16	763.13	765.11	767.08	769.05	771.03	773.00
10	752.40	752.68	752.96	753.24	753.52	753.80	755.72	757.64	759.56	761.48	763.40	765.32	767.24	769.16	771.08	773.00
11	752.92	753.20	753.48	753.77	754.05	754.33	756.20	758.07	759.93	761.80	763.67	765.53	767.40	769.27	771.13	773.00
12	753.43	753.72	754.01	754.29	754.58	754.87	756.68	758.49	760.31	762.12	763.93	765.75	767.56	769.37	771.19	773.00
13	753.95	754.24	754.53	754.82	755.11	755.40	757.16	758.92	760.68	762.44	764.20	765.96	767.72	769.48	771.24	773.00
14	754.47	754.76	755.05	755.35	755.64	755.93	757.64	759.35	761.05	762.76	764.47	766.17	767.88	769.59	771.29	773.00
15	754.98	755.28	755.58	755.87	756.17	756.47	758.12	759.77	761.43	763.08	764.73	766.39	768.04	769.69	771.35	773.00
16	755.50	755.80	756.10	756.40	756.70	757.00	758.60	760.20	761.80	763.40	765.00	766.60	768.20	769.80	771.40	773.00
17	756.02	756.32	756.62	756.93	757.23	757.53	759.08	760.63	762.17	763.72	765.27	766.81	768.36	769.91	771.45	773.00
18	756.53	756.84	757.15	757.45	757.76	758.07	759.56	761.05	762.55	764.04	765.53	767.03	768.52	770.01	771.51	773.00
19	757.05	757.36	757.67	757.98	758.29	758.60	760.04	761.48	762.92	764.36	765.80	767.24	768.68	770.12	771.56	773.00
20	757.57	757.88	758.19	758.51	758.82	759.13	760.52	761.91	763.29	764.68	766.07	767.45	768.84	770.23	771.61	773.00
21	758.08	758.40	758.72	759.03	759.35	759.67	761.00	762.33	763.67	765.00	766.33	767.67	769.00	770.33	771.67	773.00
22	758.60	758.92	759.24	759.56	759.88	760.20	761.48	762.76	764.04	765.32	766.60	767.88	769.16	770.44	771.72	773.00
23	759.12	759.44	759.76	760.09	760.41	760.73	761.96	763.19	764.41	765.64	766.87	768.09	769.32	770.55	771.77	773.00
24	759.63	759.96	760.29	760.61	760.94	761.27	762.44	763.61	764.79	765.96	767.13	768.31	769.48	770.65	771.83	773.00
25	760.15	760.48	760.81	761.14	761.47	761.80	762.92	764.04	765.16	766.28	767.40	768.52	769.64	770.76	771.88	773.00
26	760.67	761.00	761.33	761.67	762.00	762.33	763.40	764.47	765.53	766.60	767.67	768.73	769.80	770.87	771.93	773.00
27	761.18	761.52	761.86	762.19	762.53	762.87	763.88	764.89	765.91	766.92	767.93	768.95	769.96	770.97	771.99	773.00
28	761.70	762.04	762.38	762.72	763.06	763.40	764.36	765.32	766.28	767.24	768.20	769.16	770.12	771.08	772.04	773.00
29	762.22	762.56	762.90	763.25	763.59	763.93	764.84	765.75	766.65	767.56	768.47	769.37	770.28	771.19	772.09	773.00
30	762.73	763.08	763.43	763.77	764.12	764.47	765.32	766.17	767.03	767.88	768.73	769.59	770.44	771.29	772.15	773.00

Great Sacandaga Lake Elevations For Varying Levels

SET750 - GSL ELEVATIONS CORRESPONDING TO LEVEL FOR JANUARY																
LEVEL	**1.00**	1.10	1.20	1.30	1.40	**1.50**	1.60	1.70	1.80	1.90	**2.00**	2.10	2.20	2.30	2.35	2.40
Day of Month																
1	740.00	741.00	742.00	743.00	744.00	745.00	746.00	747.00	748.00	749.00	750.00	750.25	750.50	750.75	750.88	751.00
2	740.00	740.99	741.99	742.98	743.98	744.97	745.97	746.96	747.96	748.95	749.95	750.20	750.44	750.69	750.83	750.95
3	740.00	740.99	741.98	742.97	743.96	744.95	745.94	746.93	747.92	748.91	749.90	750.14	750.39	750.64	750.78	750.91
4	740.00	740.98	741.97	742.95	743.94	744.92	745.91	746.89	747.87	748.86	749.84	750.09	750.33	750.58	750.73	750.86
5	740.00	740.98	741.96	742.94	743.92	744.90	745.87	746.85	747.83	748.81	749.79	750.04	750.28	750.52	750.69	750.81
6	740.00	740.97	741.95	742.92	743.90	744.87	745.84	746.82	747.79	748.76	749.74	749.98	750.22	750.47	750.64	750.77
7	740.00	740.97	741.94	742.91	743.87	744.84	745.81	746.78	747.75	748.72	749.69	749.93	750.17	750.41	750.59	750.72
8	740.00	740.96	741.93	742.89	743.85	744.82	745.78	746.74	747.71	748.67	749.63	749.87	750.11	750.35	750.55	750.68
9	740.00	740.96	741.92	742.87	743.83	744.79	745.75	746.71	747.67	748.62	749.58	749.82	750.06	750.30	750.50	750.63
10	740.00	740.95	741.91	742.86	743.81	744.76	745.72	746.67	747.62	748.58	749.53	749.77	750.00	750.24	750.45	750.58
11	740.00	740.95	741.90	742.84	743.79	744.74	745.69	746.63	747.58	748.53	749.48	749.71	749.95	750.18	750.40	750.54
12	740.00	740.94	741.89	742.83	743.77	744.71	745.66	746.60	747.54	748.48	749.43	749.66	749.89	750.13	750.36	750.49
13	740.00	740.94	741.87	742.81	743.75	744.69	745.62	746.56	747.50	748.44	749.37	749.61	749.84	750.07	750.31	750.44
14	740.00	740.93	741.86	742.80	743.73	744.66	745.59	746.52	747.46	748.39	749.32	749.55	749.78	750.01	750.26	750.40
15	740.00	740.93	741.85	742.78	743.71	744.63	745.56	746.49	747.41	748.34	749.27	749.50	749.73	749.96	750.22	750.35
16	740.00	740.92	741.84	742.76	743.69	744.61	745.53	746.45	747.37	748.29	749.22	749.44	749.67	749.90	750.17	750.31
17	740.00	740.92	741.83	742.75	743.67	744.58	745.50	746.41	747.33	748.25	749.16	749.39	749.62	749.84	750.12	750.26
18	740.00	740.91	741.82	742.73	743.64	744.56	745.47	746.38	747.29	748.20	749.11	749.34	749.56	749.79	750.08	750.21
19	740.00	740.91	741.81	742.72	743.62	744.53	745.44	746.34	747.25	748.15	749.06	749.28	749.51	749.73	750.03	750.17
20	740.00	740.90	741.80	742.70	743.60	744.50	745.40	746.31	747.21	748.11	749.01	749.23	749.45	749.67	749.98	750.12
21	740.00	740.90	741.79	742.69	743.58	744.48	745.37	746.27	747.16	748.06	748.96	749.18	749.40	749.62	749.93	750.07
22	740.00	740.89	741.78	742.67	743.56	744.45	745.34	746.23	747.12	748.01	748.90	749.12	749.34	749.56	749.89	750.03
23	740.00	740.89	741.77	742.66	743.54	744.43	745.31	746.20	747.08	747.97	748.85	749.07	749.29	749.50	749.84	749.98
24	740.00	740.88	741.76	742.64	743.52	744.40	745.28	746.16	747.04	747.92	748.80	749.01	749.23	749.45	749.79	749.94
25	740.00	740.87	741.75	742.62	743.50	744.37	745.25	746.12	747.00	747.87	748.75	748.96	749.17	749.60	749.75	749.89
26	740.00	740.87	741.74	742.61	743.48	744.35	745.22	746.09	746.96	747.82	748.69	748.91	749.12	749.56	749.70	749.84
27	740.00	740.86	741.73	742.59	743.46	744.32	745.19	746.05	746.91	747.78	748.64	748.85	749.06	749.51	749.65	749.80
28	740.00	740.86	741.72	742.58	743.44	744.29	745.15	746.01	746.87	747.73	748.59	748.80	749.01	749.46	749.61	749.75
29	740.00	740.85	741.71	742.56	743.41	744.27	745.12	745.98	746.83	747.68	748.54	748.75	748.95	749.41	749.56	749.70
30	740.00	740.85	741.70	742.55	743.39	744.24	745.09	745.94	746.79	747.64	748.49	748.69	748.90	749.36	749.51	749.66
31	740.00	740.84	741.69	742.53	743.37	744.22	745.06	745.90	746.75	747.59	748.43	748.64	748.84	749.32	749.46	749.61

SET750- GSL ELEVATIONS CORRESPONDING TO LEVEL FOR JANUARY																
EVEL	**2.50**	2.60	2.70	2.80	2.90	**3.00**	3.10	3.20	3.30	3.40	**3.50**	3.60	3.70	3.80	3.90	**4.00**
Day of Month																
1	751.25	751.50	751.75	752.00	752.25	752.50	754.55	756.60	758.65	760.70	762.75	764.80	766.85	768.90	770.95	773.00
2	751.21	751.46	751.71	751.96	752.21	752.46	754.52	756.57	758.62	760.68	762.73	764.79	766.84	768.89	770.95	773.00
3	751.16	751.41	751.67	751.92	752.17	752.43	754.48	756.54	758.60	760.66	762.71	764.77	766.83	768.89	770.94	773.00
4	751.12	751.37	751.62	751.88	752.13	752.39	754.45	756.51	758.57	760.63	762.69	764.76	766.82	768.88	770.94	773.00
5	751.07	751.33	751.58	751.84	752.09	752.35	754.42	756.48	758.55	760.61	762.68	764.74	766.81	768.87	770.94	773.00
6	751.03	751.28	751.54	751.80	752.06	752.31	754.38	756.45	758.52	760.59	762.66	764.73	766.79	768.86	770.93	773.00
7	750.98	751.24	751.50	751.76	752.02	752.28	754.35	756.42	758.49	760.57	762.64	764.71	766.78	768.86	770.93	773.00
8	750.94	751.20	751.46	751.72	751.98	752.24	754.31	756.39	758.47	760.54	762.62	764.70	766.77	768.85	770.92	773.00
9	750.89	751.15	751.42	751.68	751.94	752.20	754.28	756.36	758.44	760.52	762.60	764.68	766.76	768.84	770.92	773.00
10	750.85	751.11	751.37	751.64	751.90	752.16	754.25	756.33	758.41	760.50	762.58	764.67	766.75	768.83	770.92	773.00
11	750.80	751.07	751.33	751.60	751.86	752.13	754.21	756.30	758.39	760.48	762.56	764.65	766.74	768.83	770.91	773.00
12	750.76	751.02	751.29	751.56	751.82	752.09	754.18	756.27	758.36	760.45	762.54	764.64	766.73	768.82	770.91	773.00
13	750.71	750.98	751.25	751.52	751.78	752.05	754.15	756.24	758.34	760.43	762.53	764.62	766.72	768.81	770.91	773.00
14	750.67	750.94	751.21	751.48	751.75	752.01	754.11	756.21	758.31	760.41	762.51	764.61	766.70	768.80	770.90	773.00
15	750.62	750.89	751.16	751.44	751.71	751.98	754.08	756.18	758.28	760.39	762.49	764.59	766.69	768.80	770.90	773.00
16	750.58	750.85	751.12	751.40	751.67	751.94	754.05	756.15	758.26	760.36	762.47	764.58	766.68	768.79	770.89	773.00
17	750.53	750.81	751.08	751.36	751.63	751.90	754.01	756.12	758.23	760.34	762.45	764.56	766.67	768.78	770.89	773.00
18	750.49	750.76	751.04	751.31	751.59	751.87	753.98	756.09	758.21	760.32	762.43	764.55	766.66	768.77	770.89	773.00
19	750.44	750.72	751.00	751.27	751.55	751.83	753.95	756.06	758.18	760.30	762.41	764.53	766.65	768.77	770.88	773.00
20	750.40	750.68	750.96	751.23	751.51	751.79	753.91	756.03	758.15	760.27	762.40	764.52	766.64	768.76	770.88	773.00
21	750.35	750.63	750.91	751.19	751.47	751.75	753.88	756.00	758.13	760.25	762.38	764.50	766.63	768.75	770.88	773.00
22	750.31	750.59	750.87	751.15	751.44	751.72	753.84	755.97	758.10	760.23	762.36	764.49	766.61	768.74	770.87	773.00
23	750.26	750.55	750.83	751.11	751.40	751.68	753.81	755.94	758.08	760.21	762.34	764.47	766.60	768.74	770.87	773.00
24	750.22	750.50	750.79	751.07	751.36	751.64	753.78	755.91	758.05	760.19	762.32	764.46	766.59	768.73	770.86	773.00
25	750.18	750.46	750.75	751.03	751.32	751.60	753.74	755.88	758.02	760.16	762.30	764.44	766.58	768.72	770.86	773.00
26	750.13	750.42	750.71	750.99	751.28	751.57	753.71	755.85	758.00	760.14	762.28	764.43	766.57	768.71	770.86	773.00
27	750.09	750.37	750.66	750.95	751.24	751.53	753.68	755.82	757.97	760.12	762.26	764.41	766.56	768.71	770.85	773.00
28	750.04	750.33	750.62	750.91	751.20	751.49	753.64	755.79	757.94	760.10	762.25	764.40	766.55	768.70	770.85	773.00
29	750.00	750.29	750.58	750.87	751.16	751.46	753.61	755.76	757.92	760.07	762.23	764.38	766.54	768.69	770.85	773.00
30	749.95	750.24	750.54	750.83	751.12	751.42	753.58	755.73	757.89	760.05	762.21	764.37	766.53	768.68	770.84	773.00
31	749.91	750.20	750.50	750.79	751.09	751.38	753.54	755.70	757.87	760.03	762.19	764.35	766.51	768.68	770.84	773.00

Great Sacandaga Lake Elevations For Varying Levels

SET750- GSL ELEVATIONS CORRESPONDING TO LEVEL FOR FEBRUARY

LEVEL	**1.00**	1.10	1.20	1.30	1.40	**1.50**	1.60	1.70	1.80	1.90	**2.00**	2.10	2.20	2.30	2.35	2.40
Day of Month																
1	740.00	740.84	741.68	742.51	743.35	744.19	745.03	745.87	746.70	747.54	748.38	748.58	748.79	748.99	749.42	749.57
2	740.00	740.83	741.67	742.50	743.33	744.16	745.00	745.83	746.66	747.50	748.33	748.53	748.73	748.94	749.37	749.52
3	740.00	740.83	741.66	742.48	743.31	744.14	744.97	745.79	746.62	747.45	748.28	748.48	748.68	748.88	749.32	749.47
4	740.00	740.82	741.64	742.47	743.29	744.11	744.93	745.76	746.58	747.40	748.22	748.42	748.62	748.82	749.28	749.43
5	740.00	740.82	741.63	742.45	743.27	744.09	744.90	745.72	746.54	747.35	748.17	748.37	748.57	748.76	749.23	749.38
6	740.00	740.81	741.62	742.44	743.25	744.06	744.87	745.68	746.50	747.31	748.12	748.32	748.51	748.71	749.18	749.33
7	740.00	740.81	741.61	742.42	743.23	744.03	744.84	745.65	746.45	747.26	748.07	748.26	748.46	748.65	749.14	749.29
8	740.00	740.80	741.60	742.40	743.21	744.01	744.81	745.61	746.41	747.21	748.01	748.21	748.40	748.59	749.09	749.24
9	740.00	740.80	741.59	742.39	743.19	743.98	744.78	745.57	746.37	747.17	747.96	748.15	748.35	748.54	749.04	749.20
10	740.00	740.79	741.58	742.37	743.16	743.96	744.75	745.54	746.33	747.12	747.91	748.10	748.29	748.48	748.99	749.15
11	740.00	740.79	741.57	742.36	743.14	743.93	744.71	745.50	746.29	747.07	747.86	748.05	748.24	748.79	748.95	749.10
12	740.00	740.78	741.56	742.34	743.12	743.90	744.68	745.46	746.24	747.03	747.81	747.99	748.18	748.74	748.90	749.06
13	740.00	740.78	741.55	742.33	743.10	743.88	744.65	745.43	746.20	746.98	747.75	747.94	748.13	748.70	748.85	749.01
14	740.00	740.77	741.54	742.31	743.08	743.85	744.62	745.39	746.16	746.93	747.70	747.89	748.07	748.65	748.81	748.96
15	740.00	740.76	741.53	742.29	743.06	743.82	744.59	745.35	746.12	746.88	747.65	747.83	748.01	748.60	748.76	748.92
16	740.00	740.76	741.52	742.28	743.04	743.80	744.56	745.32	746.08	746.84	747.60	747.78	747.96	748.55	748.71	748.87
17	740.00	740.75	741.51	742.26	743.02	743.77	744.53	745.28	746.04	746.79	747.54	747.72	747.90	748.51	748.67	748.83
18	740.00	740.75	741.50	742.25	743.00	743.75	744.50	745.24	745.99	746.74	747.49	747.67	747.85	748.46	748.62	748.78
19	740.00	740.74	741.49	742.23	742.98	743.72	744.46	745.21	745.95	746.70	747.44	747.62	747.79	748.41	748.57	748.73
20	740.00	740.74	741.48	742.22	742.96	743.69	744.43	745.17	745.91	746.65	747.39	747.56	747.74	748.36	748.52	748.69
21	740.00	740.73	741.47	742.20	742.93	743.67	744.40	745.14	745.87	746.60	747.34	747.51	747.68	748.31	748.48	748.64
22	740.00	740.73	741.46	742.19	742.91	743.64	744.37	745.10	745.83	746.56	747.28	747.46	747.63	748.27	748.43	748.59
23	740.00	740.72	741.45	742.17	742.89	743.62	744.34	745.06	745.79	746.51	747.23	747.40	747.57	748.22	748.38	748.55
24	740.00	740.72	741.44	742.15	742.87	743.59	744.31	745.03	745.74	746.46	747.18	747.35	747.52	748.17	748.34	748.50
25	740.00	740.71	741.43	742.14	742.85	743.56	744.28	744.99	745.70	746.41	747.13	747.29	747.46	748.12	748.29	748.46
26	740.00	740.71	741.41	742.12	742.83	743.54	744.24	744.95	745.66	746.37	747.07	747.24	747.41	748.08	748.24	748.41
27	740.00	740.70	741.40	742.11	742.81	743.51	744.21	744.92	745.62	746.32	747.02	747.19	747.35	748.03	748.20	748.36
28	740.00	740.70	741.39	742.09	742.79	743.49	744.18	744.88	745.58	746.27	746.97	747.13	747.30	747.98	748.15	748.32
29	740.00	740.69	741.38	742.08	742.77	743.46	744.15	744.84	745.53	746.23	746.92	747.08	747.24	747.93	748.10	748.27

SET750- GSL ELEVATIONS CORRESPONDING TO LEVEL FOR FEBRUARY

EVEL	**2.50**	2.60	2.70	2.80	2.90	**3.00**	3.10	3.20	3.30	3.40	**3.50**	3.60	3.70	3.80	3.90	**4.00**
Day of Month																
1	749.86	750.16	750.45	750.75	751.05	751.34	753.51	755.67	757.84	760.01	762.17	764.34	766.50	768.67	770.83	773.00
2	749.82	750.11	750.41	750.71	751.01	751.31	753.48	755.64	757.81	759.98	762.15	764.32	766.49	768.66	770.83	773.00
3	749.77	750.07	750.37	750.67	750.97	751.27	753.44	755.61	757.79	759.96	762.13	764.31	766.48	768.65	770.83	773.00
4	749.73	750.03	750.33	750.63	750.93	751.23	753.41	755.59	757.76	759.94	762.12	764.29	766.47	768.65	770.82	773.00
5	749.68	749.99	750.29	750.59	750.89	751.19	753.37	755.56	757.74	759.92	762.10	764.28	766.46	768.64	770.82	773.00
6	749.64	749.94	750.25	750.55	750.85	751.16	753.34	755.53	757.71	759.89	762.08	764.26	766.45	768.63	770.82	773.00
7	749.59	749.90	750.20	750.51	750.81	751.12	753.31	755.50	757.68	759.87	762.06	764.25	766.44	768.62	770.81	773.00
8	749.55	749.86	750.16	750.47	750.78	751.08	753.27	755.47	757.66	759.85	762.04	764.23	766.42	768.62	770.81	773.00
9	749.50	749.81	750.12	750.43	750.74	751.04	753.24	755.44	757.63	759.83	762.02	764.22	766.41	768.61	770.80	773.00
10	749.46	749.77	750.08	750.39	750.70	751.01	753.21	755.41	757.61	759.80	762.00	764.20	766.40	768.60	770.80	773.00
11	749.41	749.73	750.04	750.35	750.66	750.97	753.17	755.38	757.58	759.78	761.99	764.19	766.39	768.59	770.80	773.00
12	749.37	749.68	749.99	750.31	750.62	750.93	753.14	755.35	757.55	759.76	761.97	764.17	766.38	768.59	770.79	773.00
13	749.32	749.64	749.95	750.27	750.58	750.90	753.11	755.32	757.53	759.74	761.95	764.16	766.37	768.58	770.79	773.00
14	749.28	749.60	749.91	750.23	750.54	750.86	753.07	755.29	757.50	759.71	761.93	764.14	766.36	768.57	770.79	773.00
15	749.24	749.55	749.87	750.19	750.50	750.82	753.04	755.26	757.47	759.69	761.91	764.13	766.35	768.56	770.78	773.00
16	749.19	749.51	749.83	750.15	750.46	750.78	753.01	755.23	757.45	759.67	761.89	764.11	766.34	768.56	770.78	773.00
17	749.15	749.47	749.79	750.11	750.43	750.75	752.97	755.20	757.42	759.65	761.87	764.10	766.32	768.55	770.77	773.00
18	749.10	749.42	749.74	750.07	750.39	750.71	752.94	755.17	757.40	759.63	761.85	764.08	766.31	768.54	770.77	773.00
19	749.06	749.38	749.70	750.03	750.35	750.67	752.90	755.14	757.37	759.60	761.84	764.07	766.30	768.53	770.77	773.00
20	749.01	749.34	749.66	749.99	750.31	750.63	752.87	755.11	757.34	759.58	761.82	764.05	766.29	768.53	770.76	773.00
21	748.97	749.29	749.62	749.94	750.27	750.60	752.84	755.08	757.32	759.56	761.80	764.04	766.28	768.52	770.76	773.00
22	748.92	749.25	749.58	749.90	750.23	750.56	752.80	755.05	757.29	759.54	761.78	764.02	766.27	768.51	770.76	773.00
23	748.88	749.21	749.54	749.86	750.19	750.52	752.77	755.02	757.27	759.51	761.76	764.01	766.26	768.50	770.75	773.00
24	748.83	749.16	749.49	749.82	750.15	750.49	752.74	754.99	757.24	759.49	761.74	763.99	766.25	768.50	770.75	773.00
25	748.79	749.12	749.45	749.78	750.12	750.45	752.70	754.96	757.21	759.47	761.72	763.98	766.23	768.49	770.74	773.00
26	748.74	749.08	749.41	749.74	750.08	750.41	752.67	754.93	757.19	759.45	761.71	763.96	766.22	768.48	770.74	773.00
27	748.70	749.03	749.37	749.70	750.04	750.37	752.64	754.90	757.16	759.42	761.69	763.95	766.21	768.47	770.74	773.00
28	748.65	748.99	749.33	749.66	750.00	750.34	752.60	754.87	757.14	759.40	761.67	763.93	766.20	768.47	770.73	773.00
29	748.61	748.95	749.28	749.62	749.96	750.30	752.57	754.84	757.11	759.38	761.65	763.92	766.19	768.46	770.73	773.00

Great Sacandaga Lake Elevations For Varying Levels

SET750- GSL ELEVATIONS CORRESPONDING TO LEVEL FOR MARCH																
LEVEL	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.10	2.20	2.30	2.35	2.40
Day of Month																
1	740.00	740.69	741.37	742.06	742.75	743.43	744.12	744.81	745.49	746.18	746.87	747.03	747.19	747.35	748.05	748.22
2	740.00	740.68	741.36	742.04	742.73	743.41	744.09	744.77	745.45	746.13	746.81	746.97	747.13	747.29	748.01	748.18
3	740.00	740.68	741.35	742.03	742.70	743.38	744.06	744.73	745.41	746.09	746.76	746.92	747.08	747.23	747.96	748.13
4	740.00	740.67	741.34	742.01	742.68	743.35	744.03	744.70	745.37	746.04	746.71	746.86	747.02	747.18	747.91	748.09
5	740.00	740.67	741.33	742.00	742.66	743.33	743.99	744.66	745.33	745.99	746.66	746.81	746.97	747.12	747.87	748.04
6	740.00	740.66	741.32	741.98	742.64	743.30	743.96	744.62	745.28	745.94	746.60	746.76	746.91	747.06	747.82	747.99
7	740.00	740.66	741.31	741.97	742.62	743.28	743.93	744.59	745.24	745.90	746.55	746.70	746.86	747.01	747.77	747.95
8	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	746.95	747.73	747.90
9	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	746.95	747.73	747.90
10	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	746.95	747.73	747.90
11	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	747.55	747.73	747.90
12	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	747.55	747.73	747.90
13	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	747.55	747.73	747.90
14	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	747.55	747.73	747.90
15	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	747.55	747.73	747.90
16	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	747.55	747.73	747.90
17	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	747.55	747.73	747.90
18	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	747.55	747.73	747.90
19	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	747.55	747.73	747.90
20	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	747.55	747.73	747.90
21	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	747.55	747.73	747.90
22	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	747.55	747.73	747.90
23	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	747.55	747.73	747.90
24	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	747.55	747.73	747.90
25	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	747.55	747.73	747.90
26	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	747.55	747.73	747.90
27	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	747.55	747.73	747.90
28	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	747.55	747.73	747.90
29	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	747.55	747.73	747.90
30	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	747.55	747.73	747.90
31	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	747.55	747.73	747.90

SET750- GSL ELEVATIONS CORRESPONDING TO LEVEL FOR MARCH																
EVEL	2.50	2.60	2.70	2.80	2.90	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70	3.80	3.90	4.00
Day of Month																
1	748.56	748.90	749.24	749.58	749.92	750.26	752.54	754.81	757.08	759.36	761.63	763.90	766.18	768.45	770.73	773.00
2	748.52	748.86	749.20	749.54	749.88	750.22	752.50	754.78	757.06	759.33	761.61	763.89	766.17	768.44	770.72	773.00
3	748.47	748.82	749.16	749.50	749.84	750.19	752.47	754.75	757.03	759.31	761.59	763.87	766.16	768.44	770.72	773.00
4	748.43	748.77	749.12	749.46	749.81	750.15	752.43	754.72	757.00	759.29	761.57	763.86	766.14	768.43	770.71	773.00
5	748.38	748.73	749.08	749.42	749.77	750.11	752.40	754.69	756.98	759.27	761.56	763.84	766.13	768.42	770.71	773.00
6	748.34	748.69	749.03	749.38	749.73	750.07	752.37	754.66	756.95	759.24	761.54	763.83	766.12	768.41	770.71	773.00
7	748.29	748.64	748.99	749.34	749.69	750.04	752.33	754.63	756.93	759.22	761.52	763.81	766.11	768.41	770.70	773.00
8	748.25	748.60	748.95	749.30	749.65	750.00	752.30	754.60	756.90	759.20	761.50	763.80	766.10	768.40	770.70	773.00
9	748.25	748.60	748.95	749.30	749.65	750.00	752.30	754.60	756.90	759.20	761.50	763.80	766.10	768.40	770.70	773.00
10	748.25	748.60	748.95	749.30	749.65	750.00	752.30	754.60	756.90	759.20	761.50	763.80	766.10	768.40	770.70	773.00
11	748.25	748.60	748.95	749.30	749.65	750.00	752.30	754.60	756.90	759.20	761.50	763.80	766.10	768.40	770.70	773.00
12	748.25	748.60	748.95	749.30	749.65	750.00	752.30	754.60	756.90	759.20	761.50	763.80	766.10	768.40	770.70	773.00
13	748.25	748.60	748.95	749.30	749.65	750.00	752.30	754.60	756.90	759.20	761.50	763.80	766.10	768.40	770.70	773.00
14	748.25	748.60	748.95	749.30	749.65	750.00	752.30	754.60	756.90	759.20	761.50	763.80	766.10	768.40	770.70	773.00
15	748.25	748.60	748.95	749.30	749.65	750.00	752.30	754.60	756.90	759.20	761.50	763.80	766.10	768.40	770.70	773.00
16	748.25	748.60	748.95	749.30	749.65	750.00	752.30	754.60	756.90	759.20	761.50	763.80	766.10	768.40	770.70	773.00
17	748.25	748.60	748.95	749.30	749.65	750.00	752.30	754.60	756.90	759.20	761.50	763.80	766.10	768.40	770.70	773.00
18	748.25	748.60	748.95	749.30	749.65	750.00	752.30	754.60	756.90	759.20	761.50	763.80	766.10	768.40	770.70	773.00
19	748.25	748.60	748.95	749.30	749.65	750.00	752.30	754.60	756.90	759.20	761.50	763.80	766.10	768.40	770.70	773.00
20	748.25	748.60	748.95	749.30	749.65	750.00	752.30	754.60	756.90	759.20	761.50	763.80	766.10	768.40	770.70	773.00
21	748.25	748.60	748.95	749.30	749.65	750.00	752.30	754.60	756.90	759.20	761.50	763.80	766.10	768.40	770.70	773.00
22	748.25	748.60	748.95	749.30	749.65	750.00	752.30	754.60	756.90	759.20	761.50	763.80	766.10	768.40	770.70	773.00
23	748.25	748.60	748.95	749.30	749.65	750.00	752.30	754.60	756.90	759.20	761.50	763.80	766.10	768.40	770.70	773.00
24	748.25	748.60	748.95	749.30	749.65	750.00	752.30	754.60	756.90	759.20	761.50	763.80	766.10	768.40	770.70	773.00
25	748.25	748.60	748.95	749.30	749.65	750.00	752.30	754.60	756.90	759.20	761.50	763.80	766.10	768.40	770.70	773.00
26	748.25	748.60	748.95	749.30	749.65	750.00	752.30	754.60	756.90	759.20	761.50	763.80	766.10	768.40	770.70	773.00
27	748.25	748.60	748.95	749.30	749.65	750.00	752.30	754.60	756.90	759.20	761.50	763.80	766.10	768.40	770.70	773.00
28	748.25	748.60	748.95	749.30	749.65	750.00	752.30	754.60	756.90	759.20	761.50	763.80	766.10	768.40	770.70	773.00
29	748.25	748.60	748.95	749.30	749.65	750.00	752.30	754.60	756.90	759.20	761.50	763.80	766.10	768.40	770.70	773.00
30	748.25	748.60	748.95	749.30	749.65	750.00	752.30	754.60	756.90	759.20	761.50	763.80	766.10	768.40	770.70	773.00
31	748.25	748.60	748.95	749.30	749.65	750.00	752.30	754.60	756.90	759.20	761.50	763.80	766.10	768.40	770.70	773.00

SET750- GSL ELEVATIONS CORRESPONDING TO LEVEL FOR APRIL

LEVEL	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.10	2.20	2.30	2.35	2.40
Day of Month																
1	740.00	740.65	741.30	741.95	742.60	743.25	743.90	744.55	745.20	745.85	746.50	746.65	746.80	746.95	747.73	747.90
2	740.53	741.18	741.83	742.47	743.12	743.77	744.41	745.06	745.71	746.35	747.00	747.16	747.31	747.47	748.23	748.40
3	741.07	741.71	742.35	743.00	743.64	744.28	744.93	745.57	746.21	746.86	747.50	747.66	747.83	747.99	748.73	748.90
4	741.60	742.24	742.88	743.52	744.16	744.80	745.44	746.08	746.72	747.36	748.00	748.17	748.34	748.51	749.23	749.40
5	742.13	742.77	743.41	744.04	744.68	745.32	745.95	746.59	747.23	747.86	748.50	748.68	748.85	749.03	749.73	749.90
6	742.67	743.30	743.93	744.57	745.20	745.83	746.47	747.10	747.73	748.37	749.00	749.18	749.37	749.55	750.23	750.40
7	743.20	743.83	744.46	745.09	745.72	746.35	746.98	747.61	748.24	748.87	749.50	749.69	749.88	750.07	750.73	750.90
8	743.73	744.36	744.99	745.61	746.24	746.87	747.49	748.12	748.75	749.37	750.00	750.20	750.39	750.59	751.23	751.40
9	744.27	744.89	745.51	746.14	746.76	747.38	748.01	748.63	749.25	749.88	750.50	750.70	750.91	751.11	751.73	751.90
10	744.80	745.42	746.04	746.66	747.28	747.90	748.52	749.14	749.76	750.38	751.00	751.21	751.42	751.63	752.23	752.40
11	745.33	745.95	746.57	747.18	747.80	748.42	749.03	749.65	750.27	750.88	751.50	751.72	751.93	752.55	752.73	752.90
12	745.87	746.48	747.09	747.71	748.32	748.93	749.55	750.16	750.77	751.39	752.00	752.22	752.45	753.05	753.23	753.40
13	746.40	747.01	747.62	748.23	748.84	749.45	750.06	750.67	751.28	751.89	752.50	752.73	752.96	753.55	753.73	753.90
14	746.93	747.54	748.15	748.75	749.36	749.97	750.57	751.18	751.79	752.39	753.00	753.24	753.47	754.05	754.23	754.40
15	747.47	748.07	748.67	749.28	749.88	750.48	751.09	751.69	752.29	752.90	753.50	753.74	753.99	754.55	754.73	754.90
16	748.00	748.60	749.20	749.80	750.40	751.00	751.60	752.20	752.80	753.40	754.00	754.25	754.50	755.05	755.23	755.40
17	748.53	749.13	749.73	750.32	750.92	751.52	752.11	752.71	753.31	753.90	754.50	754.76	755.01	755.55	755.73	755.90
18	749.07	749.66	750.25	750.85	751.44	752.03	752.63	753.22	753.81	754.41	755.00	755.26	755.53	756.05	756.23	756.40
19	749.60	750.19	750.78	751.37	751.96	752.55	753.14	753.73	754.32	754.91	755.50	755.77	756.04	756.55	756.73	756.90
20	750.13	750.72	751.31	751.89	752.48	753.07	753.65	754.24	754.83	755.41	756.00	756.28	756.55	757.05	757.23	757.40
21	750.67	751.25	751.83	752.42	753.00	753.58	754.17	754.75	755.33	755.92	756.50	756.78	757.07	757.55	757.73	757.90
22	751.20	751.78	752.36	752.94	753.52	754.10	754.68	755.26	755.84	756.42	757.00	757.29	757.58	758.05	758.23	758.40
23	751.73	752.31	752.89	753.46	754.04	754.62	755.19	755.77	756.35	756.92	757.50	757.80	758.09	758.55	758.73	758.90
24	752.27	752.84	753.41	753.99	754.56	755.13	755.71	756.28	756.85	757.43	758.00	758.30	758.61	759.05	759.23	759.40
25	752.80	753.37	753.94	754.51	755.08	755.65	756.22	756.79	757.36	757.93	758.50	758.81	759.12	759.55	759.73	759.90
26	753.33	753.90	754.47	755.03	755.60	756.17	756.73	757.30	757.87	758.43	759.00	759.32	759.63	760.05	760.23	760.40
27	753.87	754.43	754.99	755.56	756.12	756.68	757.25	757.81	758.37	758.94	759.50	759.82	760.15	760.55	760.73	760.90
28	754.40	754.96	755.52	756.08	756.64	757.20	757.76	758.32	758.88	759.44	760.00	760.33	760.66	761.05	761.23	761.40
29	754.93	755.49	756.05	756.60	757.16	757.72	758.27	758.83	759.39	759.94	760.50	760.84	761.17	761.55	761.73	761.90
30	755.47	756.02	756.57	757.13	757.68	758.23	758.79	759.34	759.89	760.45	761.00	761.34	761.69	762.05	762.23	762.40

SET750- GSL ELEVATIONS CORRESPONDING TO LEVEL FOR APRIL

EVEL	2.50	2.60	2.70	2.80	2.90	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70	3.80	3.90	4.00
Day of Month																
1	748.25	748.60	748.95	749.30	749.65	750.00	752.30	754.60	756.90	759.20	761.50	763.80	766.10	768.40	770.70	773.00
2	748.75	749.10	749.45	749.80	750.15	750.50	752.75	755.00	757.25	759.50	761.75	764.00	766.25	768.50	770.75	773.00
3	749.25	749.60	749.95	750.30	750.65	751.00	753.20	755.40	757.60	759.80	762.00	764.20	766.40	768.60	770.80	773.00
4	749.75	750.10	750.45	750.80	751.15	751.50	753.65	755.80	757.95	760.10	762.25	764.40	766.55	768.70	770.85	773.00
5	750.25	750.60	750.95	751.30	751.65	752.00	754.10	756.20	758.30	760.40	762.50	764.60	766.70	768.80	770.90	773.00
6	750.75	751.10	751.45	751.80	752.15	752.50	754.55	756.60	758.65	760.70	762.75	764.80	766.85	768.90	770.95	773.00
7	751.25	751.60	751.95	752.30	752.65	753.00	755.00	757.00	759.00	761.00	763.00	765.00	767.00	769.00	771.00	773.00
8	751.75	752.10	752.45	752.80	753.15	753.50	755.45	757.40	759.35	761.30	763.25	765.20	767.15	769.10	771.05	773.00
9	752.25	752.60	752.95	753.30	753.65	754.00	755.90	757.80	759.70	761.60	763.50	765.40	767.30	769.20	771.10	773.00
10	752.75	753.10	753.45	753.80	754.15	754.50	756.35	758.20	760.05	761.90	763.75	765.60	767.45	769.30	771.15	773.00
11	753.25	753.60	753.95	754.30	754.65	755.00	756.80	758.60	760.40	762.20	764.00	765.80	767.60	769.40	771.20	773.00
12	753.75	754.10	754.45	754.80	755.15	755.50	757.25	759.00	760.75	762.50	764.25	766.00	767.75	769.50	771.25	773.00
13	754.25	754.60	754.95	755.30	755.65	756.00	757.70	759.40	761.10	762.80	764.50	766.20	767.90	769.60	771.30	773.00
14	754.75	755.10	755.45	755.80	756.15	756.50	758.15	759.80	761.45	763.10	764.75	766.40	768.05	769.70	771.35	773.00
15	755.25	755.60	755.95	756.30	756.65	757.00	758.60	760.20	761.80	763.40	765.00	766.60	768.20	769.80	771.40	773.00
16	755.75	756.10	756.45	756.80	757.15	757.50	759.05	760.60	762.15	763.70	765.25	766.80	768.35	769.90	771.45	773.00
17	756.25	756.60	756.95	757.30	757.65	758.00	759.50	761.00	762.50	764.00	765.50	767.00	768.50	770.00	771.50	773.00
18	756.75	757.10	757.45	757.80	758.15	758.50	759.95	761.40	762.85	764.30	765.75	767.20	768.65	770.10	771.55	773.00
19	757.25	757.60	757.95	758.30	758.65	759.00	760.40	761.80	763.20	764.60	766.00	767.40	768.80	770.20	771.60	773.00
20	757.75	758.10	758.45	758.80	759.15	759.50	760.85	762.20	763.55	764.90	766.25	767.60	768.95	770.30	771.65	773.00
21	758.25	758.60	758.95	759.30	759.65	760.00	761.30	762.60	763.90	765.20	766.50	767.80	769.10	770.40	771.70	773.00
22	758.75	759.10	759.45	759.80	760.15	760.50	761.75	763.00	764.25	765.50	766.75	768.00	769.25	770.50	771.75	773.00
23	759.25	759.60	759.95	760.30	760.65	761.00	762.20	763.40	764.60	765.80	767.00	768.20	769.40	770.60	771.80	773.00
24	759.75	760.10	760.45	760.80	761.15	761.50	762.65	763.80	764.95	766.10	767.25	768.40	769.55	770.70	771.85	773.00
25	760.25	760.60	760.95	761.30	761.65	762.00	763.10	764.20	765.30	766.40	767.50	768.60	769.70	770.80	771.90	773.00
26	760.75	761.10	761.45	761.80	762.15	762.50	763.55	764.60	765.65	766.70	767.75	768.80	769.85	770.90	771.95	773.00
27	761.25	761.60	761.95	762.30	762.65	763.00	764.00	765.00	766.00	767.00	768.00	769.00	770.00	771.00	772.00	773.00
28	761.75	762.10	762.45	762.80	763.15	763.50	764.45	765.40	766.35	767.30	768.25	769.20	770.15	771.10	772.05	773.00
29	762.25	762.60	762.95	763.30	763.65	764.00	764.90	765.80	766.70	767.60	768.50	769.40	770.30	771.20	772.10	773.00
30	762.75	763.10	763.45	763.80	764.15	764.50	765.35	766.20	767.05	767.90	768.75	769.60	770.45	771.30	772.15	773.00

GSL ELEVATIONS FOR ALL SCENARIOS CORRESPONDING TO LEVEL FOR MAY

LEVEL	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.10	2.20	2.30	2.35	2.40
Day of Month																
1	756.00	756.55	757.10	757.65	758.20	758.75	759.30	759.85	760.40	760.95	761.50	761.85	762.20	762.55	762.73	762.90
2	756.00	756.57	757.13	757.70	758.26	758.83	759.39	759.96	760.52	761.09	761.65	762.00	762.34	762.69	762.86	763.03
3	756.00	756.58	757.16	757.74	758.32	758.90	759.48	760.06	760.64	761.22	761.80	762.14	762.48	762.82	762.99	763.16
4	756.00	756.60	757.19	757.79	758.38	758.98	759.57	760.17	760.76	761.36	761.95	762.29	762.62	762.96	763.12	763.29
5	756.00	756.61	757.22	757.83	758.44	759.05	759.66	760.27	760.88	761.49	762.10	762.43	762.76	763.09	763.26	763.42
6	756.00	756.63	757.25	757.88	758.50	759.13	759.75	760.38	761.00	761.63	762.25	762.58	762.90	763.23	763.39	763.55
7	756.00	756.64	757.28	757.92	758.56	759.20	759.84	760.48	761.12	761.76	762.40	762.72	763.04	763.36	763.52	763.68
8	756.00	756.66	757.31	757.97	758.62	759.28	759.93	760.59	761.24	761.90	762.55	762.87	763.18	763.50	763.65	763.81
9	756.00	756.67	757.34	758.01	758.68	759.35	760.02	760.69	761.36	762.03	762.70	763.01	763.32	763.63	763.79	763.94
10	756.00	756.69	757.37	758.06	758.74	759.43	760.11	760.80	761.48	762.17	762.85	763.16	763.46	763.77	763.92	764.07
11	756.00	756.70	757.40	758.10	758.80	759.50	760.20	760.90	761.60	762.30	763.00	763.30	763.60	763.90	764.05	764.20
12	756.00	756.72	757.43	758.15	758.86	759.58	760.29	761.01	761.72	762.44	763.15	763.45	763.74	764.04	764.18	764.33
13	756.00	756.73	757.46	758.19	758.92	759.65	760.38	761.11	761.84	762.57	763.30	763.59	763.88	764.17	764.32	764.46
14	756.00	756.75	757.49	758.24	758.98	759.73	760.47	761.22	761.96	762.71	763.45	763.74	764.02	764.31	764.45	764.59
15	756.00	756.76	757.52	758.28	759.04	759.80	760.56	761.32	762.08	762.84	763.60	763.88	764.16	764.44	764.58	764.72
16	756.00	756.78	757.55	758.33	759.10	759.88	760.65	761.43	762.20	762.98	763.75	764.03	764.30	764.58	764.71	764.85
17	756.00	756.79	757.58	758.37	759.16	759.95	760.74	761.53	762.32	763.11	763.90	764.17	764.44	764.71	764.85	764.98
18	756.00	756.81	757.61	758.42	759.22	760.03	760.83	761.64	762.44	763.25	764.05	764.32	764.58	764.85	764.98	765.11
19	756.00	756.82	757.64	758.46	759.28	760.10	760.92	761.74	762.56	763.38	764.20	764.46	764.72	764.98	765.11	765.24
20	756.00	756.84	757.67	758.51	759.34	760.18	761.01	761.85	762.68	763.52	764.35	764.61	764.86	765.12	765.24	765.37
21	756.00	756.85	757.70	758.55	759.40	760.25	761.10	761.95	762.80	763.65	764.50	764.75	765.00	765.25	765.38	765.50
22	756.00	756.87	757.73	758.60	759.46	760.33	761.19	762.06	762.92	763.79	764.65	764.90	765.14	765.39	765.51	765.63
23	756.00	756.88	757.76	758.64	759.52	760.40	761.28	762.16	763.04	763.92	764.80	765.04	765.28	765.52	765.64	765.76
24	756.00	756.90	757.79	758.69	759.58	760.48	761.37	762.27	763.16	764.06	764.95	765.19	765.42	765.66	765.77	765.89
25	756.00	756.91	757.82	758.73	759.64	760.55	761.46	762.37	763.28	764.19	765.10	765.33	765.56	765.79	765.91	766.02
26	756.00	756.93	757.85	758.78	759.70	760.63	761.55	762.48	763.40	764.33	765.25	765.48	765.70	765.93	766.04	766.15
27	756.00	756.94	757.88	758.82	759.76	760.70	761.64	762.58	763.52	764.46	765.40	765.62	765.84	766.06	766.17	766.28
28	756.00	756.96	757.91	758.87	759.82	760.78	761.73	762.69	763.64	764.60	765.55	765.77	765.98	766.20	766.30	766.41
29	756.00	756.97	757.94	758.91	759.88	760.85	761.82	762.79	763.76	764.73	765.70	765.91	766.12	766.33	766.44	766.54
30	756.00	756.99	757.97	758.96	759.94	760.93	761.91	762.90	763.88	764.87	765.85	766.06	766.26	766.47	766.57	766.67
31	756.00	757.00	758.00	759.00	760.00	761.00	762.00	763.00	764.00	765.00	766.00	766.20	766.40	766.60	766.70	766.80

GSL ELEVATIONS FOR ALL SCENARIOS CORRESPONDING TO LEVEL FOR MAY

EVEL	2.50	2.60	2.70	2.80	2.90	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70	3.80	3.90	4.00
Day of Month																
1	763.25	763.60	763.95	764.30	764.65	765.00	765.80	766.60	767.40	768.20	769.00	769.80	770.60	771.40	772.20	773.00
2	763.38	763.72	764.07	764.41	764.76	765.10	765.89	766.68	767.47	768.26	769.05	769.84	770.63	771.42	772.21	773.00
3	763.50	763.84	764.18	764.52	764.86	765.20	765.98	766.76	767.54	768.32	769.10	769.88	770.66	771.44	772.22	773.00
4	763.63	763.96	764.30	764.63	764.97	765.30	766.07	766.84	767.61	768.38	769.15	769.92	770.69	771.46	772.23	773.00
5	763.75	764.08	764.41	764.74	765.07	765.40	766.16	766.92	767.68	768.44	769.20	769.96	770.72	771.48	772.24	773.00
6	763.88	764.20	764.53	764.85	765.18	765.50	766.25	767.00	767.75	768.50	769.25	770.00	770.75	771.50	772.25	773.00
7	764.00	764.32	764.64	764.96	765.28	765.60	766.34	767.08	767.82	768.56	769.30	770.04	770.78	771.52	772.26	773.00
8	764.13	764.44	764.76	765.07	765.39	765.70	766.43	767.16	767.89	768.62	769.35	770.08	770.81	771.54	772.27	773.00
9	764.25	764.56	764.87	765.18	765.49	765.80	766.52	767.24	767.96	768.68	769.40	770.12	770.84	771.56	772.28	773.00
10	764.38	764.68	764.99	765.29	765.60	765.90	766.61	767.32	768.03	768.74	769.45	770.16	770.87	771.58	772.29	773.00
11	764.50	764.80	765.10	765.40	765.70	766.00	766.70	767.40	768.10	768.80	769.50	770.20	770.90	771.60	772.30	773.00
12	764.63	764.92	765.22	765.51	765.81	766.10	766.79	767.48	768.17	768.86	769.55	770.24	770.93	771.62	772.31	773.00
13	764.75	765.04	765.33	765.62	765.91	766.20	766.88	767.56	768.24	768.92	769.60	770.28	770.96	771.64	772.32	773.00
14	764.88	765.16	765.45	765.73	766.02	766.30	766.97	767.64	768.31	768.98	769.65	770.32	770.99	771.66	772.33	773.00
15	765.00	765.28	765.56	765.84	766.12	766.40	767.06	767.72	768.38	769.04	769.70	770.36	771.02	771.68	772.34	773.00
16	765.13	765.40	765.68	765.95	766.23	766.50	767.15	767.80	768.45	769.10	769.75	770.40	771.05	771.70	772.35	773.00
17	765.25	765.52	765.79	766.06	766.33	766.60	767.24	767.88	768.52	769.16	769.80	770.44	771.08	771.72	772.36	773.00
18	765.38	765.64	765.91	766.17	766.44	766.70	767.33	767.96	768.59	769.22	769.85	770.48	771.11	771.74	772.37	773.00
19	765.50	765.76	766.02	766.28	766.54	766.80	767.42	768.04	768.66	769.28	769.90	770.52	771.14	771.76	772.38	773.00
20	765.63	765.88	766.14	766.39	766.65	766.90	767.51	768.12	768.73	769.34	769.95	770.56	771.17	771.78	772.39	773.00
21	765.75	766.00	766.25	766.50	766.75	767.00	767.60	768.20	768.80	769.40	770.00	770.60	771.20	771.80	772.40	773.00
22	765.88	766.12	766.37	766.61	766.86	767.10	767.69	768.28	768.87	769.46	770.05	770.64	771.23	771.82	772.41	773.00
23	766.00	766.24	766.48	766.72	766.96	767.20	767.78	768.36	768.94	769.52	770.10	770.68	771.26	771.84	772.42	773.00
24	766.13	766.36	766.60	766.83	767.07	767.30	767.87	768.44	769.01	769.58	770.15	770.72	771.29	771.86	772.43	773.00
25	766.25	766.48	766.71	766.94	767.17	767.40	767.96	768.52	769.08	769.64	770.20	770.76	771.32	771.88	772.44	773.00
26	766.38	766.60	766.83	767.05	767.28	767.50	768.05	768.60	769.15	769.70	770.25	770.80	771.35	771.90	772.45	773.00
27	766.50	766.72	766.94	767.16	767.38	767.60	768.14	768.68	769.22	769.76	770.30	770.84	771.38	771.92	772.46	773.00
28	766.63	766.84	767.06	767.27	767.49	767.70	768.23	768.76	769.29	769.82	770.35	770.88	771.41	771.94	772.47	773.00
29	766.75	766.96	767.17	767.38	767.59	767.80	768.32	768.84	769.36	769.88	770.40	770.92	771.44	771.96	772.48	773.00
30	766.88	767.08	767.29	767.49	767.70	767.90	768.41	768.92	769.43	769.94	770.45	770.96	771.47	771.98	772.49	773.00
31	767.00	767.20	767.40	767.60	767.80	768.00	768.50	769.00	769.50	770.00	770.50	771.00	771.50	772.00	772.50	773.00

Great Sacandaga Lake Elevations For Varying Levels

GSL ELEVATIONS FOR ALL SCENARIOS CORRESPONDING TO LEVEL FOR JUNE

LEVEL	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.10	2.20	2.30	2.35	2.40
Day of Month																
1	756.00	756.99	757.99	758.98	759.97	760.97	761.96	762.95	763.95	764.94	765.93	766.14	766.34	766.55	766.65	766.75
2	756.00	756.99	757.97	758.96	759.95	760.93	761.92	762.91	763.89	764.88	765.87	766.08	766.29	766.50	766.60	766.71
3	756.00	756.98	757.96	758.94	759.92	760.90	761.88	762.86	763.84	764.82	765.80	766.02	766.23	766.45	766.55	766.66
4	756.00	756.97	757.95	758.92	759.89	760.87	761.84	762.81	763.79	764.76	765.73	765.95	766.17	766.39	766.50	766.61
5	756.00	756.97	757.93	758.90	759.87	760.83	761.80	762.77	763.73	764.70	765.67	765.89	766.12	766.34	766.45	766.57
6	756.00	756.96	757.92	758.88	759.84	760.80	761.76	762.72	763.68	764.64	765.60	765.83	766.06	766.29	766.41	766.52
7	756.00	756.95	757.91	758.86	759.81	760.77	761.72	762.67	763.63	764.58	765.53	765.77	766.00	766.24	766.36	766.47
8	756.00	756.95	757.89	758.84	759.79	760.73	761.68	762.63	763.57	764.52	765.47	765.71	765.95	766.19	766.31	766.43
9	756.00	756.94	757.88	758.82	759.76	760.70	761.64	762.58	763.52	764.46	765.40	765.65	765.89	766.14	766.26	766.38
10	756.00	756.93	757.87	758.80	759.73	760.67	761.60	762.53	763.47	764.40	765.33	765.58	765.83	766.08	766.21	766.33
11	756.00	756.93	757.85	758.78	759.71	760.63	761.56	762.49	763.41	764.34	765.27	765.52	765.78	766.03	766.16	766.29
12	756.00	756.92	757.84	758.76	759.68	760.60	761.52	762.44	763.36	764.28	765.20	765.46	765.72	765.98	766.11	766.24
13	756.00	756.91	757.83	758.74	759.65	760.57	761.48	762.39	763.31	764.22	765.13	765.40	765.66	765.93	766.06	766.19
14	756.00	756.91	757.81	758.72	759.63	760.53	761.44	762.35	763.25	764.16	765.07	765.34	765.61	765.88	766.01	766.15
15	756.00	756.90	757.80	758.70	759.60	760.50	761.40	762.30	763.20	764.10	765.00	765.28	765.55	765.83	765.96	766.10
16	756.00	756.89	757.79	758.68	759.57	760.47	761.36	762.25	763.15	764.04	764.93	765.21	765.49	765.77	765.91	766.05
17	756.00	756.89	757.77	758.66	759.55	760.43	761.32	762.21	763.09	763.98	764.87	765.15	765.44	765.72	765.86	766.01
18	756.00	756.88	757.76	758.64	759.52	760.40	761.28	762.16	763.04	763.92	764.80	765.09	765.38	765.67	765.82	765.96
19	756.00	756.87	757.75	758.62	759.49	760.37	761.24	762.11	762.99	763.86	764.73	765.03	765.32	765.62	765.77	765.91
20	756.00	756.87	757.73	758.60	759.47	760.33	761.20	762.07	762.93	763.80	764.67	764.97	765.27	765.57	765.72	765.87
21	756.00	756.86	757.72	758.58	759.44	760.30	761.16	762.02	762.88	763.74	764.60	764.91	765.21	765.52	765.67	765.82
22	756.00	756.85	757.71	758.56	759.41	760.27	761.12	761.97	762.83	763.68	764.53	764.84	765.15	765.46	765.62	765.77
23	756.00	756.85	757.69	758.54	759.39	760.23	761.08	761.93	762.77	763.62	764.47	764.78	765.10	765.41	765.57	765.73
24	756.00	756.84	757.68	758.52	759.36	760.20	761.04	761.88	762.72	763.56	764.40	764.72	765.04	765.36	765.52	765.68
25	756.00	756.83	757.67	758.50	759.33	760.17	761.00	761.83	762.67	763.50	764.33	764.66	764.98	765.31	765.47	765.63
26	756.00	756.83	757.65	758.48	759.31	760.13	760.96	761.79	762.61	763.44	764.27	764.60	764.93	765.26	765.42	765.59
27	756.00	756.82	757.64	758.46	759.28	760.10	760.92	761.74	762.56	763.38	764.20	764.54	764.87	765.21	765.37	765.54
28	756.00	756.81	757.63	758.44	759.25	760.07	760.88	761.69	762.51	763.32	764.13	764.47	764.81	765.15	765.32	765.49
29	756.00	756.81	757.61	758.42	759.23	760.03	760.84	761.65	762.45	763.26	764.07	764.41	764.76	765.10	765.27	765.45
30	756.00	756.80	757.60	758.40	759.20	760.00	760.80	761.60	762.40	763.20	764.00	764.35	764.70	765.05	765.23	765.40

GSL ELEVATIONS FOR ALL SCENARIOS CORRESPONDING TO LEVEL FOR JUNE

EVEL	2.50	2.60	2.70	2.80	2.90	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70	3.80	3.90	4.00
Day of Month																
1	766.96	767.16	767.37	767.57	767.78	767.98	768.49	768.99	769.49	769.99	770.49	770.99	771.50	772.00	772.50	773.00
2	766.92	767.13	767.34	767.55	767.76	767.97	768.47	768.97	769.48	769.98	770.48	770.99	771.49	771.99	772.50	773.00
3	766.88	767.09	767.31	767.52	767.74	767.95	768.46	768.96	769.47	769.97	770.48	770.98	771.49	771.99	772.50	773.00
4	766.83	767.05	767.27	767.49	767.71	767.93	768.44	768.95	769.45	769.96	770.47	770.97	771.48	771.99	772.49	773.00
5	766.79	767.02	767.24	767.47	767.69	767.92	768.43	768.93	769.44	769.95	770.46	770.97	771.48	771.98	772.49	773.00
6	766.75	766.98	767.21	767.44	767.67	767.90	768.41	768.92	769.43	769.94	770.45	770.96	771.47	771.98	772.49	773.00
7	766.71	766.94	767.18	767.41	767.65	767.88	768.40	768.91	769.42	769.93	770.44	770.95	771.47	771.98	772.49	773.00
8	766.67	766.91	767.15	767.39	767.63	767.87	768.38	768.89	769.41	769.92	770.43	770.95	771.46	771.97	772.49	773.00
9	766.63	766.87	767.12	767.36	767.61	767.85	768.37	768.88	769.40	769.91	770.43	770.94	771.46	771.97	772.49	773.00
10	766.58	766.83	767.08	767.33	767.58	767.83	768.35	768.87	769.38	769.90	770.42	770.93	771.45	771.97	772.48	773.00
11	766.54	766.80	767.05	767.31	767.56	767.82	768.34	768.85	769.37	769.89	770.41	770.93	771.45	771.96	772.48	773.00
12	766.50	766.76	767.02	767.28	767.54	767.80	768.32	768.84	769.36	769.88	770.40	770.92	771.44	771.96	772.48	773.00
13	766.46	766.72	766.99	767.25	767.52	767.78	768.31	768.83	769.35	769.87	770.39	770.91	771.44	771.96	772.48	773.00
14	766.42	766.69	766.96	767.23	767.50	767.77	768.29	768.81	769.34	769.86	770.38	770.91	771.43	771.95	772.48	773.00
15	766.38	766.65	766.93	767.20	767.48	767.75	768.28	768.80	769.33	769.85	770.38	770.90	771.43	771.95	772.48	773.00
16	766.33	766.61	766.89	767.17	767.45	767.73	768.26	768.79	769.31	769.84	770.37	770.89	771.42	771.95	772.47	773.00
17	766.29	766.58	766.86	767.15	767.43	767.72	768.25	768.77	769.30	769.83	770.36	770.89	771.42	771.94	772.47	773.00
18	766.25	766.54	766.83	767.12	767.41	767.70	768.23	768.76	769.29	769.82	770.35	770.88	771.41	771.94	772.47	773.00
19	766.21	766.50	766.80	767.09	767.39	767.68	768.22	768.75	769.28	769.81	770.34	770.87	771.41	771.94	772.47	773.00
20	766.17	766.47	766.77	767.07	767.37	767.67	768.20	768.73	769.27	769.80	770.33	770.87	771.40	771.93	772.47	773.00
21	766.13	766.43	766.74	767.04	767.35	767.65	768.19	768.72	769.26	769.79	770.33	770.86	771.40	771.93	772.47	773.00
22	766.08	766.39	766.70	767.01	767.32	767.63	768.17	768.71	769.24	769.78	770.32	770.85	771.39	771.93	772.46	773.00
23	766.04	766.36	766.67	766.99	767.30	767.62	768.16	768.69	769.23	769.77	770.31	770.85	771.39	771.92	772.46	773.00
24	766.00	766.32	766.64	766.96	767.28	767.60	768.14	768.68	769.22	769.76	770.30	770.84	771.38	771.92	772.46	773.00
25	765.96	766.28	766.61	766.93	767.26	767.58	768.13	768.67	769.21	769.75	770.29	770.83	771.38	771.92	772.46	773.00
26	765.92	766.25	766.58	766.91	767.24	767.57	768.11	768.65	769.20	769.74	770.28	770.83	771.37	771.91	772.46	773.00
27	765.88	766.21	766.55	766.88	767.22	767.55	768.10	768.64	769.19	769.73	770.28	770.82	771.37	771.91	772.46	773.00
28	765.83	766.17	766.51	766.85	767.19	767.53	768.08	768.63	769.17	769.72	770.27	770.81	771.36	771.91	772.45	773.00
29	765.79	766.14	766.48	766.83	767.17	767.52	768.07	768.61	769.16	769.71	770.26	770.81	771.36	771.90	772.45	773.00
30	765.75	766.10	766.45	766.80	767.15	767.50	768.05	768.60	769.15	769.70	770.25	770.80	771.35	771.90	772.45	773.00

GSL ELEVATIONS FOR ALL SCENARIOS CORRESPONDING TO LEVEL FOR JULY

LEVEL	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.10	2.20	2.30	2.35	2.40
Day of Month																
1	756.00	756.79	757.58	758.37	759.16	759.95	760.74	761.53	762.31	763.10	763.89	764.25	764.60	764.96	765.14	765.31
2	756.00	756.78	757.56	758.34	759.11	759.89	760.67	761.45	762.23	763.01	763.79	764.15	764.51	764.87	765.05	765.23
3	756.00	756.77	757.54	758.30	759.07	759.84	760.61	761.38	762.14	762.91	763.68	764.04	764.41	764.78	764.96	765.14
4	756.00	756.76	757.51	758.27	759.03	759.79	760.54	761.30	762.06	762.81	763.57	763.94	764.31	764.69	764.87	765.06
5	756.00	756.75	757.49	758.24	758.99	759.73	760.48	761.23	761.97	762.72	763.46	763.84	764.22	764.59	764.78	764.97
6	756.00	756.74	757.47	758.21	758.94	759.68	760.41	761.15	761.89	762.62	763.36	763.74	764.12	764.50	764.69	764.89
7	756.00	756.73	757.45	758.18	758.90	759.63	760.35	761.08	761.80	762.53	763.25	763.64	764.03	764.41	764.61	764.80
8	756.00	756.71	757.43	758.14	758.86	759.57	760.29	761.00	761.71	762.43	763.14	763.54	763.93	764.32	764.52	764.71
9	756.00	756.70	757.41	758.11	758.81	759.52	760.22	760.93	761.63	762.33	763.04	763.43	763.83	764.23	764.43	764.63
10	756.00	756.69	757.39	758.08	758.77	759.46	760.16	760.85	761.54	762.24	762.93	763.33	763.74	764.14	764.34	764.54
11	756.00	756.68	757.36	758.05	758.73	759.41	760.09	760.78	761.46	762.14	762.82	763.23	763.64	764.05	764.25	764.46
12	756.00	756.67	757.34	758.01	758.69	759.36	760.03	760.70	761.37	762.04	762.71	763.13	763.54	763.96	764.16	764.37
13	756.00	756.66	757.32	757.98	758.64	759.30	759.96	760.63	761.29	761.95	762.61	763.03	763.45	763.87	764.08	764.29
14	756.00	756.65	757.30	757.95	758.60	759.25	759.90	760.55	761.20	761.85	762.50	762.93	763.35	763.78	763.99	764.20
15	756.00	756.64	757.28	757.92	758.56	759.20	759.84	760.48	761.11	761.75	762.39	762.82	763.25	763.68	763.90	764.11
16	756.00	756.63	757.26	757.89	758.51	759.14	759.77	760.40	761.03	761.66	762.29	762.72	763.16	763.59	763.81	764.03
17	756.00	756.62	757.24	757.85	758.47	759.09	759.71	760.33	760.94	761.56	762.18	762.62	763.06	763.50	763.72	763.94
18	756.00	756.61	757.21	757.82	758.43	759.04	759.64	760.25	760.86	761.46	762.07	762.52	762.96	763.41	763.63	763.86
19	756.00	756.60	757.19	757.79	758.39	758.98	759.58	760.18	760.77	761.37	761.96	762.42	762.87	763.32	763.55	763.77
20	756.00	756.59	757.17	757.76	758.34	758.93	759.51	760.10	760.69	761.27	761.86	762.31	762.77	763.23	763.46	763.69
21	756.00	756.58	757.15	757.73	758.30	758.88	759.45	760.03	760.60	761.18	761.75	762.21	762.68	763.14	763.37	763.60
22	756.00	756.56	757.13	757.69	758.26	758.82	759.39	759.95	760.51	761.08	761.64	762.11	762.58	763.05	763.28	763.51
23	756.00	756.55	757.11	757.66	758.21	758.77	759.32	759.88	760.43	760.98	761.54	762.01	762.48	762.96	763.19	763.43
24	756.00	756.54	757.09	757.63	758.17	758.71	759.26	759.80	760.34	760.89	761.43	761.91	762.39	762.86	763.10	763.34
25	756.00	756.53	757.06	757.60	758.13	758.66	759.19	759.73	760.26	760.79	761.32	761.81	762.29	762.77	763.02	763.26
26	756.00	756.52	757.04	757.56	758.09	758.61	759.13	759.65	760.17	760.69	761.21	761.70	762.19	762.68	762.93	763.17
27	756.00	756.51	757.02	757.53	758.04	758.55	759.06	759.58	760.09	760.60	761.11	761.60	762.10	762.59	762.84	763.09
28	756.00	756.50	757.00	757.50	758.00	758.50	759.00	759.50	760.00	760.50	761.00	761.50	762.00	762.50	762.75	763.00
29	756.00	756.49	756.99	757.48	757.98	758.47	758.97	759.46	759.96	760.45	760.95	761.45	761.94	762.44	762.69	762.94
30	756.00	756.49	756.98	757.47	757.96	758.45	758.94	759.43	759.92	760.41	760.90	761.39	761.89	762.38	762.63	762.88
31	756.00	756.48	756.97	757.45	757.94	758.42	758.91	759.39	759.88	760.36	760.85	761.34	761.83	762.32	762.57	762.82

GSL ELEVATIONS FOR ALL SCENARIOS CORRESPONDING TO LEVEL FOR JULY

EVEL	2.50	2.60	2.70	2.80	2.90	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70	3.80	3.90	4.00
Day of Month																
1	765.67	766.03	766.38	766.74	767.09	767.45	768.00	768.56	769.11	769.67	770.22	770.78	771.33	771.89	772.44	773.00
2	765.59	765.95	766.31	766.67	767.03	767.39	767.95	768.51	769.08	769.64	770.20	770.76	771.32	771.88	772.44	773.00
3	765.51	765.88	766.24	766.61	766.97	767.34	767.91	768.47	769.04	769.60	770.17	770.74	771.30	771.87	772.43	773.00
4	765.43	765.80	766.17	766.54	766.91	767.29	767.86	768.43	769.00	769.57	770.14	770.71	771.29	771.86	772.43	773.00
5	765.35	765.73	766.10	766.48	766.86	767.23	767.81	768.39	768.96	769.54	770.12	770.69	771.27	771.85	772.42	773.00
6	765.27	765.65	766.03	766.41	766.80	767.18	767.76	768.34	768.93	769.51	770.09	770.67	771.25	771.84	772.42	773.00
7	765.19	765.58	765.96	766.35	766.74	767.13	767.71	768.30	768.89	769.48	770.06	770.65	771.24	771.83	772.41	773.00
8	765.11	765.50	765.89	766.29	766.68	767.07	767.66	768.26	768.85	769.44	770.04	770.63	771.22	771.81	772.41	773.00
9	765.03	765.43	765.82	766.22	766.62	767.02	767.62	768.21	768.81	769.41	770.01	770.61	771.21	771.80	772.40	773.00
10	764.95	765.35	765.75	766.16	766.56	766.96	767.57	768.17	768.78	769.38	769.98	770.59	771.19	771.79	772.40	773.00
11	764.87	765.28	765.68	766.09	766.50	766.91	767.52	768.13	768.74	769.35	769.96	770.56	771.17	771.78	772.39	773.00
12	764.79	765.20	765.61	766.03	766.44	766.86	767.47	768.09	768.70	769.31	769.93	770.54	771.16	771.77	772.39	773.00
13	764.71	765.13	765.54	765.96	766.38	766.80	767.42	768.04	768.66	769.28	769.90	770.52	771.14	771.76	772.38	773.00
14	764.63	765.05	765.48	765.90	766.33	766.75	767.38	768.00	768.63	769.25	769.88	770.50	771.13	771.75	772.38	773.00
15	764.54	764.98	765.41	765.84	766.27	766.70	767.33	767.96	768.59	769.22	769.85	770.48	771.11	771.74	772.37	773.00
16	764.46	764.90	765.34	765.77	766.21	766.64	767.28	767.91	768.55	769.19	769.82	770.46	771.09	771.73	772.36	773.00
17	764.38	764.83	765.27	765.71	766.15	766.59	767.23	767.87	768.51	769.15	769.79	770.44	771.08	771.72	772.36	773.00
18	764.30	764.75	765.20	765.64	766.09	766.54	767.18	767.83	768.48	769.12	769.77	770.41	771.06	771.71	772.35	773.00
19	764.22	764.68	765.13	765.58	766.03	766.48	767.13	767.79	768.44	769.09	769.74	770.39	771.04	771.70	772.35	773.00
20	764.14	764.60	765.06	765.51	765.97	766.43	767.09	767.74	768.40	769.06	769.71	770.37	771.03	771.69	772.34	773.00
21	764.06	764.53	764.99	765.45	765.91	766.38	767.04	767.70	768.36	769.03	769.69	770.35	771.01	771.68	772.34	773.00
22	763.98	764.45	764.92	765.39	765.85	766.32	766.99	767.66	768.33	768.99	769.66	770.33	771.00	771.66	772.33	773.00
23	763.90	764.38	764.85	765.32	765.79	766.27	766.94	767.61	768.29	768.96	769.63	770.31	770.98	771.65	772.33	773.00
24	763.82	764.30	764.78	765.26	765.74	766.21	766.89	767.57	768.25	768.93	769.61	770.29	770.96	771.64	772.32	773.00
25	763.74	764.23	764.71	765.19	765.68	766.16	766.84	767.53	768.21	768.90	769.58	770.26	770.95	771.63	772.32	773.00
26	763.66	764.15	764.64	765.13	765.62	766.11	766.80	767.49	768.18	768.86	769.55	770.24	770.93	771.62	772.31	773.00
27	763.58	764.08	764.57	765.06	765.56	766.05	766.75	767.44	768.14	768.83	769.53	770.22	770.92	771.61	772.31	773.00
28	763.50	764.00	764.50	765.00	765.50	766.00	766.70	767.40	768.10	768.80	769.50	770.20	770.90	771.60	772.30	773.00
29	763.44	763.93	764.43	764.93	765.43	765.92	766.63	767.34	768.05	768.75	769.46	770.17	770.88	771.58	772.29	773.00
30	763.37	763.87	764.36	764.86	765.35	765.85	766.56	767.28	767.99	768.71	769.42	770.14	770.85	771.57	772.28	773.00
31	763.31	763.80	764.29	764.78	765.28	765.77	766.49	767.22	767.94	768.66	769.38	770.11	770.83	771.55	772.28	773.00

Great Sacandaga Lake Elevations For Varying Levels

GSL ELEVATIONS FOR ALL SCENARIOS CORRESPONDING TO LEVEL FOR AUGUST

LEVEL	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.10	2.20	2.30	2.35	2.40
Day of Month																
1	756.00	756.48	756.96	757.44	757.92	758.40	758.88	759.36	759.84	760.32	760.79	761.28	761.77	762.26	762.51	762.75
2	756.00	756.47	756.95	757.42	757.90	758.37	758.85	759.32	759.79	760.27	760.74	761.23	761.72	762.21	762.45	762.69
3	756.00	756.47	756.94	757.41	757.88	758.35	758.82	759.28	759.75	760.22	760.69	761.18	761.66	762.15	762.39	762.63
4	756.00	756.46	756.93	757.39	757.86	758.32	758.78	759.25	759.71	760.18	760.64	761.12	761.61	762.09	762.33	762.57
5	756.00	756.46	756.92	757.38	757.84	758.29	758.75	759.21	759.67	760.13	760.59	761.07	761.55	762.03	762.27	762.51
6	756.00	756.45	756.91	757.36	757.82	758.27	758.72	759.18	759.63	760.08	760.54	761.02	761.49	761.97	762.21	762.45
7	756.00	756.45	756.90	757.35	757.79	758.24	758.69	759.14	759.59	760.04	760.49	760.96	761.44	761.91	762.15	762.38
8	756.00	756.44	756.89	757.33	757.77	758.22	758.66	759.11	759.55	759.99	760.44	760.91	761.38	761.85	762.09	762.32
9	756.00	756.44	756.88	757.32	757.75	758.19	758.63	759.07	759.51	759.95	760.38	760.85	761.32	761.79	762.03	762.26
10	756.00	756.43	756.87	757.30	757.73	758.17	758.60	759.03	759.47	759.90	760.33	760.80	761.27	761.73	761.97	762.20
11	756.00	756.43	756.86	757.28	757.71	758.14	758.57	759.00	759.43	759.85	760.28	760.75	761.21	761.67	761.91	762.14
12	756.00	756.42	756.85	757.27	757.69	758.12	758.54	758.96	759.38	759.81	760.23	760.69	761.15	761.62	761.85	762.08
13	756.00	756.42	756.84	757.25	757.67	758.09	758.51	758.93	759.34	759.76	760.18	760.64	761.10	761.56	761.79	762.02
14	756.00	756.41	756.83	757.24	757.65	758.06	758.48	758.89	759.30	759.72	760.13	760.58	761.04	761.50	761.73	761.95
15	756.00	756.41	756.82	757.22	757.63	758.04	758.45	758.85	759.26	759.67	760.08	760.53	760.98	761.44	761.67	761.89
16	756.00	756.40	756.81	757.21	757.61	758.01	758.42	758.82	759.22	759.62	760.03	760.48	760.93	761.38	761.61	761.83
17	756.00	756.40	756.79	757.19	757.59	757.99	758.38	758.78	759.18	759.58	759.97	760.42	760.87	761.32	761.54	761.77
18	756.00	756.39	756.78	757.18	757.57	757.96	758.35	758.75	759.14	759.53	759.92	760.37	760.82	761.26	761.48	761.71
19	756.00	756.39	756.77	757.16	757.55	757.94	758.32	758.71	759.10	759.48	759.87	760.32	760.76	761.20	761.42	761.65
20	756.00	756.38	756.76	757.15	757.53	757.91	758.29	758.67	759.06	759.44	759.82	760.26	760.70	761.14	761.36	761.58
21	756.00	756.38	756.75	757.13	757.51	757.88	758.26	758.64	759.02	759.39	759.77	760.21	760.65	761.08	761.30	761.52
22	756.00	756.37	756.74	757.12	757.49	757.86	758.23	758.60	758.97	759.35	759.72	760.15	760.59	761.03	761.24	761.46
23	756.00	756.37	756.73	757.10	757.47	757.83	758.20	758.57	758.93	759.30	759.67	760.10	760.53	760.97	761.18	761.40
24	756.00	756.36	756.72	757.08	757.45	757.81	758.17	758.53	758.89	759.25	759.62	760.05	760.48	760.91	761.12	761.34
25	756.00	756.36	756.71	757.07	757.43	757.78	758.14	758.49	758.85	759.21	759.56	759.99	760.42	760.85	761.06	761.28
26	756.00	756.35	756.70	757.05	757.41	757.76	758.11	758.46	758.81	759.16	759.51	759.94	760.36	760.79	761.00	761.22
27	756.00	756.35	756.69	757.04	757.38	757.73	758.08	758.42	758.77	759.12	759.46	759.88	760.31	760.73	760.94	761.15
28	756.00	756.34	756.68	757.02	757.36	757.71	758.05	758.39	758.73	759.07	759.41	759.83	760.25	760.67	760.88	761.09
29	756.00	756.34	756.67	757.01	757.34	757.68	758.02	758.35	758.69	759.02	759.36	759.78	760.19	760.61	760.82	761.03
30	756.00	756.33	756.66	756.99	757.32	757.65	757.98	758.32	758.65	758.98	759.31	759.72	760.14	760.55	760.76	760.97
31	756.00	756.33	756.65	756.98	757.30	757.63	757.95	758.28	758.61	758.93	759.26	759.67	760.08	760.49	760.70	760.91

GSL ELEVATIONS FOR ALL SCENARIOS CORRESPONDING TO LEVEL FOR AUGUST

EVEL	2.50	2.60	2.70	2.80	2.90	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70	3.80	3.90	4.00
Day of Month																
1	763.24	763.73	764.22	764.71	765.20	765.69	766.42	767.15	767.88	768.62	769.35	770.08	770.81	771.54	772.27	773.00
2	763.18	763.67	764.15	764.64	765.13	765.62	766.35	767.09	767.83	768.57	769.31	770.05	770.78	771.52	772.26	773.00
3	763.12	763.60	764.08	764.57	765.05	765.54	766.28	767.03	767.78	768.52	769.27	770.02	770.76	771.51	772.25	773.00
4	763.05	763.53	764.02	764.50	764.98	765.46	766.22	766.97	767.72	768.48	769.23	769.98	770.74	771.49	772.25	773.00
5	762.99	763.47	763.95	764.43	764.91	765.38	766.15	766.91	767.67	768.43	769.19	769.95	770.72	771.48	772.24	773.00
6	762.92	763.40	763.88	764.35	764.83	765.31	766.08	766.85	767.62	768.38	769.15	769.92	770.69	771.46	772.23	773.00
7	762.86	763.33	763.81	764.28	764.76	765.23	766.01	766.78	767.56	768.34	769.12	769.89	770.67	771.45	772.22	773.00
8	762.79	763.27	763.74	764.21	764.68	765.15	765.94	766.72	767.51	768.29	769.08	769.86	770.65	771.43	772.22	773.00
9	762.73	763.20	763.67	764.14	764.61	765.08	765.87	766.66	767.45	768.25	769.04	769.83	770.62	771.42	772.21	773.00
10	762.67	763.13	763.60	764.07	764.53	765.00	765.80	766.60	767.40	768.20	769.00	769.80	770.60	771.40	772.20	773.00
11	762.60	763.07	763.53	763.99	764.46	764.92	765.73	766.54	767.35	768.15	768.96	769.77	770.58	771.38	772.19	773.00
12	762.54	763.00	763.46	763.92	764.38	764.85	765.66	766.48	767.29	768.11	768.92	769.74	770.55	771.37	772.18	773.00
13	762.47	762.93	763.39	763.85	764.31	764.77	765.59	766.42	767.24	768.06	768.88	769.71	770.53	771.35	772.18	773.00
14	762.41	762.87	763.32	763.78	764.24	764.69	765.52	766.35	767.18	768.02	768.85	769.68	770.51	771.34	772.17	773.00
15	762.35	762.80	763.25	763.71	764.16	764.62	765.45	766.29	767.13	767.97	768.81	769.65	770.48	771.32	772.16	773.00
16	762.28	762.73	763.18	763.64	764.09	764.54	765.38	766.23	767.08	767.92	768.77	769.62	770.46	771.31	772.15	773.00
17	762.22	762.67	763.12	763.56	764.01	764.46	765.32	766.17	767.02	767.88	768.73	769.58	770.44	771.29	772.15	773.00
18	762.15	762.60	763.05	763.49	763.94	764.38	765.25	766.11	766.97	767.83	768.69	769.55	770.42	771.28	772.14	773.00
19	762.09	762.53	762.98	763.42	763.86	764.31	765.18	766.05	766.92	767.78	768.65	769.52	770.39	771.26	772.13	773.00
20	762.03	762.47	762.91	763.35	763.79	764.23	765.11	765.98	766.86	767.74	768.62	769.49	770.37	771.25	772.12	773.00
21	761.96	762.40	762.84	763.28	763.72	764.15	765.04	765.92	766.81	767.69	768.58	769.46	770.35	771.23	772.12	773.00
22	761.90	762.33	762.77	763.21	763.64	764.08	764.97	765.86	766.75	767.65	768.54	769.43	770.32	771.22	772.11	773.00
23	761.83	762.27	762.70	763.13	763.57	764.00	764.90	765.80	766.70	767.60	768.50	769.40	770.30	771.20	772.10	773.00
24	761.77	762.20	762.63	763.06	763.49	763.92	764.83	765.74	766.65	767.55	768.46	769.37	770.28	771.18	772.09	773.00
25	761.71	762.13	762.56	762.99	763.42	763.85	764.76	765.68	766.59	767.51	768.42	769.34	770.25	771.17	772.08	773.00
26	761.64	762.07	762.49	762.92	763.34	763.77	764.69	765.62	766.54	767.46	768.38	769.31	770.23	771.15	772.08	773.00
27	761.58	762.00	762.42	762.85	763.27	763.69	764.62	765.55	766.48	767.42	768.35	769.28	770.21	771.14	772.07	773.00
28	761.51	761.93	762.35	762.77	763.19	763.62	764.55	765.49	766.43	767.37	768.31	769.25	770.18	771.12	772.06	773.00
29	761.45	761.87	762.28	762.70	763.12	763.54	764.48	765.43	766.38	767.32	768.27	769.22	770.16	771.11	772.05	773.00
30	761.38	761.80	762.22	762.63	763.05	763.46	764.42	765.37	766.32	767.28	768.23	769.18	770.14	771.09	772.05	773.00
31	761.32	761.73	762.15	762.56	762.97	763.38	764.35	765.31	766.27	767.23	768.19	769.15	770.12	771.08	772.04	773.00

Great Sacandaga Lake Elevations For Varying Levels

GSL ELEVATIONS FOR ALL SCENARIOS CORRESPONDING TO LEVEL FOR SEPTEMBER

LEVEL	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.10	2.20	2.30	2.35	2.40
Day of Month																
1	756.00	756.32	756.64	756.96	757.28	757.60	757.92	758.24	758.56	758.88	759.21	759.62	760.03	760.44	760.64	760.85
2	756.00	756.32	756.63	756.95	757.26	757.58	757.89	758.21	758.52	758.84	759.15	759.56	759.97	760.38	760.58	760.78
3	756.00	756.31	756.62	756.93	757.24	757.55	757.86	758.17	758.48	758.79	759.10	759.51	759.91	760.32	760.52	760.72
4	756.00	756.31	756.61	756.92	757.22	757.53	757.83	758.14	758.44	758.75	759.05	759.45	759.86	760.26	760.46	760.66
5	756.00	756.30	756.60	756.90	757.20	757.50	757.80	758.10	758.40	758.70	759.00	759.40	759.80	760.20	760.40	760.60
6	755.60	755.93	756.27	756.60	756.94	757.27	757.60	757.94	758.27	758.60	758.94	759.34	759.74	760.13	760.33	760.53
7	755.20	755.57	755.94	756.30	756.67	757.04	757.41	757.77	758.14	758.51	758.88	759.27	759.67	760.07	760.27	760.47
8	754.80	755.20	755.60	756.00	756.41	756.81	757.21	757.61	758.01	758.41	758.81	759.21	759.61	760.00	760.20	760.40
9	754.40	754.84	755.27	755.71	756.14	756.58	757.01	757.45	757.88	758.32	758.75	759.15	759.54	759.94	760.13	760.33
10	754.00	754.47	754.94	755.41	755.88	756.34	756.81	757.28	757.75	758.22	758.69	759.08	759.48	759.87	760.07	760.26
11	753.60	754.10	754.61	755.11	755.61	756.11	756.62	757.12	757.62	758.12	758.63	759.02	759.41	759.80	760.00	760.20
12	753.20	753.74	754.27	754.81	755.35	755.88	756.42	756.95	757.49	758.03	758.56	758.95	759.35	759.74	759.93	760.13
13	752.80	753.37	753.94	754.51	755.08	755.65	756.22	756.79	757.36	757.93	758.50	758.89	759.28	759.67	759.87	760.06
14	752.40	753.00	753.61	754.21	754.82	755.42	756.02	756.63	757.23	757.83	758.44	758.83	759.22	759.60	759.80	759.99
15	752.00	752.64	753.28	753.91	754.55	755.19	755.83	756.46	757.10	757.74	758.38	758.76	759.15	759.54	759.73	759.93
16	751.60	752.27	752.94	753.61	754.29	754.96	755.63	756.30	756.97	757.64	758.31	758.70	759.09	759.47	759.66	759.86
17	751.20	751.91	752.61	753.32	754.02	754.73	755.43	756.14	756.84	757.55	758.25	758.64	759.02	759.41	759.60	759.79
18	750.80	751.54	752.28	753.02	753.76	754.49	755.23	755.97	756.71	757.45	758.19	758.57	758.96	759.34	759.53	759.72
19	750.40	751.17	751.95	752.72	753.49	754.26	755.04	755.81	756.58	757.35	758.13	758.51	758.89	759.27	759.46	759.66
20	750.00	750.81	751.61	752.42	753.23	754.03	754.84	755.64	756.45	757.26	758.06	758.44	758.83	759.21	759.40	759.59
21	749.60	750.44	751.28	752.12	752.96	753.80	754.64	755.48	756.32	757.16	758.00	758.38	758.76	759.14	759.33	759.52
22	749.20	750.07	750.95	751.82	752.70	753.57	754.44	755.32	756.19	757.06	757.94	758.32	758.70	759.07	759.26	759.45
23	748.80	749.71	750.62	751.52	752.43	753.34	754.25	755.15	756.06	756.97	757.88	758.25	758.63	759.01	759.20	759.39
24	748.40	749.34	750.28	751.22	752.17	753.11	754.05	754.99	755.93	756.87	757.81	758.19	758.57	758.94	759.13	759.32
25	748.00	748.98	749.95	750.93	751.90	752.88	753.85	754.83	755.80	756.78	757.75	758.13	758.50	758.88	759.06	759.25
26	747.60	748.61	749.62	750.63	751.64	752.64	753.65	754.66	755.67	756.68	757.69	758.06	758.44	758.81	759.00	759.18
27	747.20	748.24	749.29	750.33	751.37	752.41	753.46	754.50	755.54	756.58	757.63	758.00	758.37	758.74	758.93	759.12
28	746.80	747.88	748.95	750.03	751.11	752.18	753.26	754.33	755.41	756.49	757.56	757.93	758.31	758.68	758.86	759.05
29	746.40	747.51	748.62	749.73	750.84	751.95	753.06	754.17	755.28	756.39	757.50	757.87	758.24	758.61	758.80	758.98
30	746.00	747.14	748.29	749.43	750.58	751.72	752.86	754.01	755.15	756.29	757.44	757.81	758.18	758.54	758.73	758.91

GSL ELEVATIONS FOR ALL SCENARIOS CORRESPONDING TO LEVEL FOR SEPTEMBER

EVEL	2.50	2.60	2.70	2.80	2.90	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70	3.80	3.90	4.00
Day of Month																
1	761.26	761.67	762.08	762.49	762.90	763.31	764.28	765.25	766.22	767.18	768.15	769.12	770.09	771.06	772.03	773.00
2	761.19	761.60	762.01	762.42	762.82	763.23	764.21	765.18	766.16	767.14	768.12	769.09	770.07	771.05	772.02	773.00
3	761.13	761.53	761.94	762.34	762.75	763.15	764.14	765.12	766.11	767.09	768.08	769.06	770.05	771.03	772.02	773.00
4	761.06	761.47	761.87	762.27	762.67	763.08	764.07	765.06	766.05	767.05	768.04	769.03	770.02	771.02	772.01	773.00
5	761.00	761.40	761.80	762.20	762.60	763.00	764.00	765.00	766.00	767.00	768.00	769.00	770.00	771.00	772.00	773.00
6	760.93	761.33	761.73	762.13	762.53	762.93	763.93	764.94	765.95	766.96	767.96	768.97	769.98	770.99	771.99	773.00
7	760.86	761.26	761.66	762.06	762.45	762.85	763.87	764.88	765.90	766.91	767.93	768.94	769.96	770.97	771.99	773.00
8	760.79	761.19	761.59	761.98	762.38	762.78	763.80	764.82	765.84	766.87	767.89	768.91	769.93	770.96	771.98	773.00
9	760.73	761.12	761.52	761.91	762.31	762.70	763.73	764.76	765.79	766.82	767.85	768.88	769.91	770.94	771.97	773.00
10	760.66	761.05	761.44	761.84	762.23	762.63	763.66	764.70	765.74	766.78	767.81	768.85	769.89	770.93	771.96	773.00
11	760.59	760.98	761.37	761.77	762.16	762.55	763.60	764.64	765.69	766.73	767.78	768.82	769.87	770.91	771.96	773.00
12	760.52	760.91	761.30	761.69	762.08	762.48	763.53	764.58	765.63	766.69	767.74	768.79	769.84	770.90	771.95	773.00
13	760.45	760.84	761.23	761.62	762.01	762.40	763.46	764.52	765.58	766.64	767.70	768.76	769.82	770.88	771.94	773.00
14	760.38	760.77	761.16	761.55	761.94	762.33	763.39	764.46	765.53	766.60	767.66	768.73	769.80	770.87	771.93	773.00
15	760.31	760.70	761.09	761.48	761.86	762.25	763.33	764.40	765.48	766.55	767.63	768.70	769.78	770.85	771.93	773.00
16	760.24	760.63	761.02	761.40	761.79	762.18	763.26	764.34	765.42	766.51	767.59	768.67	769.75	770.84	771.92	773.00
17	760.18	760.56	760.95	761.33	761.72	762.10	763.19	764.28	765.37	766.46	767.55	768.64	769.73	770.82	771.91	773.00
18	760.11	760.49	760.87	761.26	761.64	762.03	763.12	764.22	765.32	766.42	767.51	768.61	769.71	770.81	771.90	773.00
19	760.04	760.42	760.80	761.19	761.57	761.95	763.06	764.16	765.27	766.37	767.48	768.58	769.69	770.79	771.90	773.00
20	759.97	760.35	760.73	761.11	761.49	761.88	762.99	764.10	765.21	766.33	767.44	768.55	769.66	770.78	771.89	773.00
21	759.90	760.28	760.66	761.04	761.42	761.80	762.92	764.04	765.16	766.28	767.40	768.52	769.64	770.76	771.88	773.00
22	759.83	760.21	760.59	760.97	761.35	761.73	762.85	763.98	765.11	766.24	767.36	768.49	769.62	770.75	771.87	773.00
23	759.76	760.14	760.52	760.90	761.27	761.65	762.79	763.92	765.06	766.19	767.33	768.46	769.60	770.73	771.87	773.00
24	759.69	760.07	760.45	760.82	761.20	761.58	762.72	763.86	765.00	766.15	767.29	768.43	769.57	770.72	771.86	773.00
25	759.63	760.00	760.38	760.75	761.13	761.50	762.65	763.80	764.95	766.10	767.25	768.40	769.55	770.70	771.85	773.00
26	759.56	759.93	760.30	760.68	761.05	761.43	762.58	763.74	764.90	766.06	767.21	768.37	769.53	770.69	771.84	773.00
27	759.49	759.86	760.23	760.61	760.98	761.35	762.52	763.68	764.85	766.01	767.18	768.34	769.51	770.67	771.84	773.00
28	759.42	759.79	760.16	760.53	760.90	761.28	762.45	763.62	764.79	765.97	767.14	768.31	769.48	770.66	771.83	773.00
29	759.35	759.72	760.09	760.46	760.83	761.20	762.38	763.56	764.74	765.92	767.10	768.28	769.46	770.64	771.82	773.00
30	759.28	759.65	760.02	760.39	760.76	761.13	762.31	763.50	764.69	765.88	767.06	768.25	769.44	770.63	771.81	773.00

Great Sacandaga Lake Elevations For Varying Levels

GSL ELEVATIONS FOR ALL SCENARIOS CORRESPONDING TO LEVEL FOR OCTOBER																
LEVEL	**1.00**	1.10	1.20	1.30	1.40	**1.50**	1.60	1.70	1.80	1.90	**2.00**	2.10	2.20	2.30	2.35	2.40
Day of Month																
1	745.60	746.78	747.96	749.13	750.31	751.49	752.67	753.84	755.02	756.20	757.38	757.74	758.11	758.48	758.66	758.85
2	745.20	746.41	747.62	748.83	750.05	751.26	752.47	753.68	754.89	756.10	757.31	757.68	758.05	758.41	758.59	758.78
3	744.80	746.05	747.29	748.54	749.78	751.03	752.27	753.52	754.76	756.01	757.25	757.62	757.98	758.35	758.53	758.71
4	744.40	745.68	746.96	748.24	749.52	750.79	752.07	753.35	754.63	755.91	757.19	757.55	757.92	758.28	758.46	758.64
5	744.00	745.31	746.63	747.94	749.25	750.56	751.88	753.19	754.50	755.81	757.13	757.49	757.85	758.21	758.39	758.58
6	743.60	744.95	746.29	747.64	748.99	750.33	751.68	753.02	754.37	755.72	757.06	757.42	757.79	758.15	758.33	758.51
7	743.20	744.58	745.96	747.34	748.72	750.10	751.48	752.86	754.24	755.62	757.00	757.36	757.72	758.08	758.26	758.44
8	742.80	744.21	745.63	747.04	748.46	749.87	751.28	752.70	754.11	755.52	756.94	757.30	757.66	758.01	758.19	758.37
9	742.40	743.85	745.30	746.74	748.19	749.64	751.09	752.53	753.98	755.43	756.88	757.23	757.59	757.95	758.13	758.31
10	742.00	743.48	744.96	746.44	747.93	749.41	750.89	752.37	753.85	755.33	756.81	757.17	757.53	757.88	758.06	758.24
11	741.60	743.12	744.63	746.15	747.66	749.18	750.69	752.21	753.72	755.24	756.75	757.11	757.46	757.82	757.99	758.17
12	741.20	742.75	744.30	745.85	747.40	748.94	750.49	752.04	753.59	755.14	756.69	757.04	757.40	757.75	757.93	758.10
13	740.80	742.38	743.97	745.55	747.13	748.71	750.30	751.88	753.46	755.04	756.63	756.98	757.33	757.68	757.86	758.04
14	740.40	742.02	743.63	745.25	746.87	748.48	750.10	751.71	753.33	754.95	756.56	756.91	757.27	757.62	757.79	757.97
15	740.00	741.65	743.30	744.95	746.60	748.25	749.90	751.55	753.20	754.85	756.50	756.85	757.20	757.55	757.73	757.90
16	740.00	741.64	743.28	744.92	746.56	748.21	749.85	751.49	753.13	754.77	756.41	756.76	757.11	757.46	757.63	757.81
17	740.00	741.63	743.26	744.90	746.53	748.16	749.79	751.43	753.06	754.69	756.32	756.67	757.02	757.36	757.54	757.71
18	740.00	741.62	743.25	744.87	746.49	748.12	749.74	751.36	752.99	754.61	756.23	756.58	756.93	757.27	757.44	757.62
19	740.00	741.61	743.23	744.84	746.46	748.07	749.69	751.30	752.92	754.53	756.15	756.49	756.83	757.18	757.35	757.52
20	740.00	741.61	743.21	744.82	746.42	748.03	749.63	751.24	752.85	754.45	756.06	756.40	756.74	757.09	757.26	757.43
21	740.00	741.60	743.19	744.79	746.39	747.98	749.58	751.18	752.77	754.37	755.97	756.31	756.65	756.99	757.16	757.33
22	740.00	741.59	743.18	744.76	746.35	747.94	749.53	751.12	752.70	754.29	755.88	756.22	756.56	756.90	757.07	757.24
23	740.00	741.58	743.16	744.74	746.32	747.90	749.47	751.05	752.63	754.21	755.79	756.13	756.47	756.81	756.98	757.15
24	740.00	741.57	743.14	744.71	746.28	747.85	749.42	750.99	752.56	754.13	755.70	756.04	756.38	756.71	756.88	757.05
25	740.00	741.56	743.12	744.68	746.25	747.81	749.37	750.93	752.49	754.05	755.61	755.95	756.28	756.62	756.79	756.96
26	740.00	741.55	743.10	744.66	746.21	747.76	749.31	750.87	752.42	753.97	755.52	755.86	756.19	756.53	756.69	756.86
27	740.00	741.54	743.09	744.63	746.17	747.72	749.26	750.80	752.35	753.89	755.44	755.77	756.10	756.43	756.60	756.77
28	740.00	741.53	743.07	744.60	746.14	747.67	749.21	750.74	752.28	753.81	755.35	755.68	756.01	756.34	756.51	756.67
29	740.00	741.53	743.05	744.58	746.10	747.63	749.15	750.68	752.21	753.73	755.26	755.59	755.92	756.25	756.41	756.58
30	740.00	741.52	743.03	744.55	746.07	747.58	749.10	750.62	752.14	753.65	755.17	755.50	755.83	756.16	756.32	756.48
31	740.00	741.51	743.02	744.52	746.03	747.54	749.05	750.56	752.06	753.57	755.08	755.41	755.74	756.06	756.23	756.39

GSL ELEVATIONS FOR ALL SCENARIOS CORRESPONDING TO LEVEL FOR OCTOBER																
EVEL	**2.50**	2.60	2.70	2.80	2.90	**3.00**	3.10	3.20	3.30	3.40	**3.50**	3.60	3.70	3.80	3.90	**4.00**
Day of Month																
1	759.21	759.58	759.95	760.32	760.68	761.05	762.25	763.44	764.64	765.83	767.03	768.22	769.42	770.61	771.81	773.00
2	759.14	759.51	759.88	760.24	760.61	760.98	762.18	763.38	764.58	765.79	766.99	768.19	769.39	770.60	771.80	773.00
3	759.08	759.44	759.81	760.17	760.54	760.90	762.11	763.32	764.53	765.74	766.95	768.16	769.37	770.58	771.79	773.00
4	759.01	759.37	759.73	760.10	760.46	760.83	762.04	763.26	764.48	765.70	766.91	768.13	769.35	770.57	771.78	773.00
5	758.94	759.30	759.66	760.03	760.39	760.75	761.98	763.20	764.43	765.65	766.88	768.10	769.33	770.55	771.78	773.00
6	758.87	759.23	759.59	759.95	760.31	760.68	761.91	763.14	764.37	765.61	766.84	768.07	769.30	770.54	771.77	773.00
7	758.80	759.16	759.52	759.88	760.24	760.60	761.84	763.08	764.32	765.56	766.80	768.04	769.28	770.52	771.76	773.00
8	758.73	759.09	759.45	759.81	760.17	760.53	761.77	763.02	764.27	765.52	766.76	768.01	769.26	770.51	771.75	773.00
9	758.66	759.02	759.38	759.74	760.09	760.45	761.71	762.96	764.22	765.47	766.73	767.98	769.24	770.49	771.75	773.00
10	758.59	758.95	759.31	759.66	760.02	760.38	761.64	762.90	764.16	765.43	766.69	767.95	769.21	770.48	771.74	773.00
11	758.53	758.88	759.24	759.59	759.95	760.30	761.57	762.84	764.11	765.38	766.65	767.92	769.19	770.46	771.73	773.00
12	758.46	758.81	759.16	759.52	759.87	760.23	761.50	762.78	764.06	765.34	766.61	767.89	769.17	770.45	771.72	773.00
13	758.39	758.74	759.09	759.45	759.80	760.15	761.44	762.72	764.01	765.29	766.58	767.86	769.15	770.43	771.72	773.00
14	758.32	758.67	759.02	759.37	759.72	760.08	761.37	762.66	763.95	765.25	766.54	767.83	769.12	770.42	771.71	773.00
15	758.25	758.60	758.95	759.30	759.65	760.00	761.30	762.60	763.90	765.20	766.50	767.80	769.10	770.40	771.70	773.00
16	758.15	758.50	758.85	759.20	759.55	759.90	761.21	762.52	763.83	765.14	766.45	767.76	769.07	770.38	771.69	773.00
17	758.06	758.41	758.75	759.10	759.45	759.79	761.11	762.44	763.76	765.08	766.40	767.72	769.04	770.36	771.68	773.00
18	757.96	758.31	758.65	759.00	759.35	759.69	761.02	762.35	763.68	765.01	766.35	767.68	769.01	770.34	771.67	773.00
19	757.87	758.21	758.56	758.90	759.24	759.59	760.93	762.27	763.61	764.95	766.29	767.64	768.98	770.32	771.66	773.00
20	757.77	758.11	758.46	758.80	759.14	759.49	760.84	762.19	763.54	764.89	766.24	767.59	768.95	770.30	771.65	773.00
21	757.68	758.02	758.36	758.70	759.04	759.38	760.74	762.11	763.47	764.83	766.19	767.55	768.91	770.28	771.64	773.00
22	757.58	757.92	758.26	758.60	758.94	759.28	760.65	762.02	763.40	764.77	766.14	767.51	768.88	770.26	771.63	773.00
23	757.48	757.82	758.16	758.50	758.84	759.18	760.56	761.94	763.32	764.71	766.09	767.47	768.85	770.24	771.62	773.00
24	757.39	757.73	758.06	758.40	758.74	759.07	760.47	761.86	763.25	764.64	766.04	767.43	768.82	770.21	771.61	773.00
25	757.29	757.63	757.96	758.30	758.64	758.97	760.37	761.78	763.18	764.58	765.99	767.39	768.79	770.19	771.60	773.00
26	757.20	757.53	757.87	758.20	758.53	758.87	760.28	761.70	763.11	764.52	765.93	767.35	768.76	770.17	771.59	773.00
27	757.10	757.43	757.77	758.10	758.43	758.77	760.19	761.61	763.04	764.46	765.88	767.31	768.73	770.15	771.58	773.00
28	757.00	757.34	757.67	758.00	758.33	758.66	760.10	761.53	762.96	764.40	765.83	767.27	768.70	770.13	771.57	773.00
29	756.91	757.24	757.57	757.90	758.23	758.56	760.00	761.45	762.89	764.34	765.78	767.22	768.67	770.11	771.56	773.00
30	756.81	757.14	757.47	757.80	758.13	758.46	759.91	761.37	762.82	764.27	765.73	767.18	768.64	770.09	771.55	773.00
31	756.72	757.05	757.37	757.70	758.03	758.35	759.82	761.28	762.75	764.21	765.68	767.14	768.61	770.07	771.54	773.00

GSL ELEVATIONS FOR ALL SCENARIOS CORRESPONDING TO LEVEL FOR NOVEMBER

LEVEL	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.10	2.20	2.30	2.35	2.40
Day of Month																
1	740.00	741.50	743.00	744.50	746.00	747.50	748.99	750.49	751.99	753.49	754.99	755.32	755.64	755.97	756.13	756.30
2	740.00	741.49	742.98	744.47	745.96	747.45	748.94	750.43	751.92	753.41	754.90	755.23	755.55	755.88	756.04	756.20
3	740.00	741.48	742.96	744.44	745.93	747.41	748.89	750.37	751.85	753.33	754.81	755.14	755.46	755.78	755.95	756.11
4	740.00	741.47	742.95	744.42	745.89	747.36	748.84	750.31	751.78	753.25	754.73	755.05	755.37	755.69	755.85	756.01
5	740.00	741.46	742.93	744.39	745.85	747.32	748.78	750.25	751.71	753.17	754.64	754.96	755.28	755.60	755.76	755.92
6	740.00	741.45	742.91	744.36	745.82	747.27	748.73	750.18	751.64	753.09	754.55	754.87	755.19	755.50	755.66	755.82
7	740.00	741.45	742.89	744.34	745.78	747.23	748.68	750.12	751.57	753.01	754.46	754.78	755.09	755.41	755.57	755.73
8	740.00	741.44	742.87	744.31	745.75	747.19	748.62	750.06	751.50	752.93	754.37	754.69	755.00	755.32	755.48	755.64
9	740.00	741.43	742.86	744.28	745.71	747.14	748.57	750.00	751.43	752.85	754.28	754.60	754.91	755.23	755.38	755.54
10	740.00	741.42	742.84	744.26	745.68	747.10	748.52	749.94	751.35	752.77	754.19	754.51	754.82	755.13	755.29	755.45
11	740.00	741.41	742.82	744.23	745.64	747.05	748.46	749.87	751.28	752.69	754.10	754.42	754.73	755.04	755.20	755.35
12	740.00	741.40	742.80	744.20	745.61	747.01	748.41	749.81	751.21	752.61	754.02	754.33	754.64	754.95	755.10	755.26
13	740.00	741.39	742.79	744.18	745.57	746.96	748.36	749.75	751.14	752.53	753.93	754.24	754.55	754.85	755.01	755.16
14	740.00	741.38	742.77	744.15	745.54	746.92	748.30	749.69	751.07	752.45	753.84	754.15	754.45	754.76	754.92	755.07
15	740.00	741.37	742.75	744.12	745.50	746.87	748.25	749.62	751.00	752.37	753.75	754.06	754.36	754.67	754.82	754.97
16	740.00	741.37	742.73	744.10	745.46	746.83	748.20	749.56	750.93	752.29	753.66	753.97	754.27	754.58	754.73	754.88
17	740.00	741.36	742.71	744.07	745.43	746.79	748.14	749.50	750.86	752.21	753.57	753.88	754.18	754.48	754.63	754.79
18	740.00	741.35	742.70	744.04	745.39	746.74	748.09	749.44	750.79	752.13	753.48	753.79	754.09	754.39	754.54	754.69
19	740.00	741.34	742.68	744.02	745.36	746.70	748.04	749.38	750.72	752.05	753.39	753.70	754.00	754.30	754.45	754.60
20	740.00	741.33	742.66	743.99	745.32	746.65	747.98	749.31	750.64	751.98	753.31	753.60	753.90	754.20	754.35	754.50
21	740.00	741.32	742.64	743.97	745.29	746.61	747.93	749.25	750.57	751.90	753.22	753.51	753.81	754.11	754.26	754.41
22	740.00	741.31	742.63	743.94	745.25	746.56	747.88	749.19	750.50	751.82	753.13	753.42	753.72	754.02	754.17	754.31
23	740.00	741.30	742.61	743.91	745.22	746.52	747.82	749.13	750.43	751.74	753.04	753.33	753.63	753.92	754.07	754.22
24	740.00	741.30	742.59	743.89	745.18	746.48	747.77	749.07	750.36	751.66	752.95	753.24	753.54	753.83	753.98	754.13
25	740.00	741.29	742.57	743.86	745.14	746.43	747.72	749.00	750.29	751.58	752.86	753.15	753.45	753.74	753.88	754.03
26	740.00	741.28	742.55	743.83	745.11	746.39	747.66	748.94	750.22	751.50	752.77	753.06	753.35	753.65	753.79	753.94
27	740.00	741.27	742.54	743.81	745.07	746.34	747.61	748.88	750.15	751.42	752.68	752.97	753.26	753.55	753.70	753.84
28	740.00	741.26	742.52	743.78	745.04	746.30	747.56	748.82	750.08	751.34	752.60	752.88	753.17	753.46	753.60	753.75
29	740.00	741.25	742.50	743.75	745.00	746.25	747.50	748.75	750.01	751.26	752.51	752.79	753.08	753.37	753.51	753.65
30	740.00	741.24	742.48	743.73	744.97	746.21	747.45	748.69	749.93	751.18	752.42	752.70	752.99	753.27	753.42	753.56

GSL ELEVATIONS FOR ALL SCENARIOS CORRESPONDING TO LEVEL FOR NOVEMBER

EVEL	2.50	2.60	2.70	2.80	2.90	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70	3.80	3.90	4.00
Day of Month																
1	756.62	756.95	757.27	757.60	757.93	758.25	759.73	761.20	762.68	764.15	765.63	767.10	768.58	770.05	771.53	773.00
2	756.53	756.85	757.18	757.50	757.82	758.15	759.63	761.12	762.60	764.09	765.57	767.06	768.54	770.03	771.51	773.00
3	756.43	756.75	757.08	757.40	757.72	758.05	759.54	761.04	762.53	764.03	765.52	767.02	768.51	770.01	771.50	773.00
4	756.33	756.66	756.98	757.30	757.62	757.94	759.45	760.95	762.46	763.97	765.47	766.98	768.48	769.99	771.49	773.00
5	756.24	756.56	756.88	757.20	757.52	757.84	759.36	760.87	762.39	763.90	765.42	766.94	768.45	769.97	771.48	773.00
6	756.14	756.46	756.78	757.10	757.42	757.74	759.26	760.79	762.32	763.84	765.37	766.90	768.42	769.95	771.47	773.00
7	756.05	756.36	756.68	757.00	757.32	757.64	759.17	760.71	762.24	763.78	765.32	766.85	768.39	769.93	771.46	773.00
8	755.95	756.27	756.58	756.90	757.22	757.53	759.08	760.63	762.17	763.72	765.27	766.81	768.36	769.91	771.45	773.00
9	755.86	756.17	756.49	756.80	757.11	757.43	758.99	760.54	762.10	763.66	765.21	766.77	768.33	769.89	771.44	773.00
10	755.76	756.07	756.39	756.70	757.01	757.33	758.89	760.46	762.03	763.60	765.16	766.73	768.30	769.87	771.43	773.00
11	755.66	755.98	756.29	756.60	756.91	757.22	758.80	760.38	761.96	763.53	765.11	766.69	768.27	769.84	771.42	773.00
12	755.57	755.88	756.19	756.50	756.81	757.12	758.71	760.30	761.88	763.47	765.06	766.65	768.24	769.82	771.41	773.00
13	755.47	755.78	756.09	756.40	756.71	757.02	758.62	760.21	761.81	763.41	765.01	766.61	768.21	769.80	771.40	773.00
14	755.38	755.68	755.99	756.30	756.61	756.92	758.52	760.13	761.74	763.35	764.96	766.57	768.17	769.78	771.39	773.00
15	755.28	755.59	755.89	756.20	756.51	756.81	758.43	760.05	761.67	763.29	764.91	766.53	768.14	769.76	771.38	773.00
16	755.19	755.49	755.80	756.10	756.40	756.71	758.34	759.97	761.60	763.23	764.85	766.48	768.11	769.74	771.37	773.00
17	755.09	755.39	755.70	756.00	756.30	756.61	758.25	759.89	761.52	763.16	764.80	766.44	768.08	769.72	771.36	773.00
18	754.99	755.30	755.60	755.90	756.20	756.50	758.15	759.80	761.45	763.10	764.75	766.40	768.05	769.70	771.35	773.00
19	754.90	755.20	755.50	755.80	756.10	756.40	758.06	759.72	761.38	763.04	764.70	766.36	768.02	769.68	771.34	773.00
20	754.80	755.10	755.40	755.70	756.00	756.30	757.97	759.64	761.31	762.98	764.65	766.32	767.99	769.66	771.33	773.00
21	754.71	755.00	755.30	755.60	755.90	756.20	757.88	759.56	761.24	762.92	764.60	766.28	767.96	769.64	771.32	773.00
22	754.61	754.91	755.20	755.50	755.80	756.09	757.78	759.47	761.17	762.86	764.55	766.24	767.93	769.62	771.31	773.00
23	754.51	754.81	755.10	755.40	755.70	755.99	757.69	759.39	761.09	762.79	764.50	766.20	767.90	769.60	771.30	773.00
24	754.42	754.71	755.01	755.30	755.59	755.89	757.60	759.31	761.02	762.73	764.44	766.15	767.87	769.58	771.29	773.00
25	754.32	754.62	754.91	755.20	755.49	755.78	757.51	759.23	760.95	762.67	764.39	766.11	767.84	769.56	771.28	773.00
26	754.23	754.52	754.81	755.10	755.39	755.68	757.41	759.15	760.88	762.61	764.34	766.07	767.80	769.54	771.27	773.00
27	754.13	754.42	754.71	755.00	755.29	755.58	757.32	759.06	760.81	762.55	764.29	766.03	767.77	769.52	771.26	773.00
28	754.04	754.32	754.61	754.90	755.19	755.48	757.23	758.98	760.73	762.49	764.24	765.99	767.74	769.50	771.25	773.00
29	753.94	754.23	754.51	754.80	755.09	755.37	757.14	758.90	760.66	762.42	764.19	765.95	767.71	769.47	771.24	773.00
30	753.84	754.13	754.41	754.70	754.99	755.27	757.04	758.82	760.59	762.36	764.14	765.91	767.68	769.45	771.23	773.00

Great Sacandaga Lake Elevations For Varying Levels

GSL ELEVATIONS FOR ALL SCENARIOS CORRESPONDING TO LEVEL FOR DECEMBER

LEVEL	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.10	2.20	2.30	2.35	2.40
Day of Month																
1	740.00	741.23	742.47	743.70	744.93	746.16	747.40	748.63	749.86	751.10	752.33	752.61	752.90	753.18	753.32	753.46
2	740.00	741.22	742.45	743.67	744.90	746.12	747.34	748.57	749.79	751.02	752.24	752.52	752.81	753.09	753.23	753.37
3	740.00	741.22	742.43	743.65	744.86	746.08	747.29	748.51	749.72	750.94	752.15	752.43	752.71	753.00	753.14	753.28
4	740.00	741.21	742.41	743.62	744.83	746.03	747.24	748.44	749.65	750.86	752.06	752.34	752.62	752.90	753.04	753.18
5	740.00	741.20	742.39	743.59	744.79	745.99	747.18	748.38	749.58	750.78	751.97	752.25	752.53	752.81	752.95	753.09
6	740.00	741.19	742.38	743.57	744.75	745.94	747.13	748.32	749.51	750.70	751.89	752.16	752.44	752.72	752.85	752.99
7	740.00	741.18	742.36	743.54	744.72	745.90	747.08	748.26	749.44	750.62	751.80	752.07	752.35	752.62	752.76	752.90
8	740.00	741.17	742.34	743.51	744.68	745.85	747.03	748.20	749.37	750.54	751.71	751.98	752.26	752.53	752.67	752.80
9	740.00	741.16	742.32	743.49	744.65	745.81	746.97	748.13	749.30	750.46	751.62	751.89	752.16	752.44	752.57	752.71
10	740.00	741.15	742.31	743.46	744.61	745.77	746.92	748.07	749.22	750.38	751.53	751.80	752.07	752.34	752.48	752.62
11	740.00	741.14	742.29	743.43	744.58	745.72	746.87	748.01	749.15	750.30	751.44	751.71	751.98	752.25	752.39	752.52
12	740.00	741.14	742.27	743.41	744.54	745.68	746.81	747.95	749.08	750.22	751.35	751.62	751.89	752.16	752.29	752.43
13	740.00	741.13	742.25	743.38	744.51	745.63	746.76	747.89	749.01	750.14	751.26	751.53	751.80	752.07	752.20	752.33
14	740.00	741.12	742.24	743.35	744.47	745.59	746.71	747.82	748.94	750.06	751.18	751.44	751.71	751.97	752.11	752.24
15	740.00	741.11	742.22	743.33	744.43	745.54	746.65	747.76	748.87	749.98	751.09	751.35	751.62	751.88	752.01	752.14
16	740.00	741.10	742.20	743.30	744.40	745.50	746.60	747.70	748.80	749.90	751.00	751.26	751.52	751.79	751.92	752.05
17	740.00	741.09	742.18	743.27	744.36	745.45	746.55	747.64	748.73	749.82	750.91	751.17	751.43	751.69	751.82	751.95
18	740.00	741.08	742.16	743.25	744.33	745.41	746.49	747.57	748.66	749.74	750.82	751.08	751.34	751.60	751.73	751.86
19	740.00	741.07	742.15	743.22	744.29	745.37	746.44	747.51	748.59	749.66	750.73	750.99	751.25	751.51	751.64	751.77
20	740.00	741.06	742.13	743.19	744.26	745.32	746.39	747.45	748.51	749.58	750.64	750.90	751.16	751.41	751.54	751.67
21	740.00	741.06	742.11	743.17	744.22	745.28	746.33	747.39	748.44	749.50	750.55	750.81	751.07	751.32	751.45	751.58
22	740.00	741.05	742.09	743.14	744.19	745.23	746.28	747.33	748.37	749.42	750.47	750.72	750.97	751.23	751.36	751.48
23	740.00	741.04	742.08	743.11	744.15	745.19	746.23	747.26	748.30	749.34	750.38	750.63	750.88	751.14	751.26	751.39
24	740.00	741.03	742.06	743.09	744.12	745.14	746.17	747.20	748.23	749.26	750.29	750.54	750.79	751.04	751.17	751.29
25	740.00	741.02	742.04	743.06	744.08	745.10	746.12	747.14	748.16	749.18	750.20	750.45	750.70	750.95	751.08	751.20
26	740.00	741.02	742.03	743.05	744.07	745.09	746.10	747.12	748.14	749.15	750.17	750.42	750.67	750.92	751.05	751.17
27	740.00	741.01	742.03	743.04	744.06	745.07	746.09	747.10	748.11	749.13	750.14	750.39	750.64	750.89	751.02	751.14
28	740.00	741.01	742.02	743.03	744.05	745.06	746.07	747.08	748.09	749.10	750.11	750.36	750.61	750.86	750.99	751.11
29	740.00	741.01	742.02	743.03	744.03	745.04	746.05	747.06	748.07	749.08	750.08	750.33	750.58	750.83	750.96	751.08
30	740.00	741.01	742.01	743.02	744.02	745.03	746.03	747.04	748.04	749.05	750.05	750.30	750.55	750.80	750.93	751.05
31	740.00	741.00	742.01	743.01	744.01	745.01	746.02	747.02	748.02	749.02	750.03	750.28	750.53	750.78	750.90	751.03

GSL ELEVATIONS FOR ALL SCENARIOS CORRESPONDING TO LEVEL FOR DECEMBER

EVEL	2.50	2.60	2.70	2.80	2.90	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70	3.80	3.90	4.00
Day of Month																
1	753.75	754.03	754.32	754.60	754.88	755.17	756.95	758.73	760.52	762.30	764.08	765.87	767.65	769.43	771.22	773.00
2	753.65	753.94	754.22	754.50	754.78	755.06	756.86	758.65	760.45	762.24	764.03	765.83	767.62	769.41	771.21	773.00
3	753.56	753.84	754.12	754.40	754.68	754.96	756.77	758.57	760.37	762.18	763.98	765.78	767.59	769.39	771.20	773.00
4	753.46	753.74	754.02	754.30	754.58	754.86	756.67	758.49	760.30	762.12	763.93	765.74	767.56	769.37	771.19	773.00
5	753.37	753.64	753.92	754.20	754.48	754.76	756.58	758.41	760.23	762.05	763.88	765.70	767.53	769.35	771.18	773.00
6	753.27	753.55	753.82	754.10	754.38	754.65	756.49	758.32	760.16	761.99	763.83	765.66	767.50	769.33	771.17	773.00
7	753.17	753.45	753.72	754.00	754.28	754.55	756.40	758.24	760.09	761.93	763.78	765.62	767.47	769.31	771.16	773.00
8	753.08	753.35	753.63	753.90	754.17	754.45	756.30	758.16	760.01	761.87	763.72	765.58	767.43	769.29	771.14	773.00
9	752.98	753.25	753.53	753.80	754.07	754.35	756.21	758.08	759.94	761.81	763.67	765.54	767.40	769.27	771.13	773.00
10	752.89	753.16	753.43	753.70	753.97	754.24	756.12	757.99	759.87	761.75	763.62	765.50	767.37	769.25	771.12	773.00
11	752.79	753.06	753.33	753.60	753.87	754.14	756.03	757.91	759.80	761.68	763.57	765.46	767.34	769.23	771.11	773.00
12	752.70	752.96	753.23	753.50	753.77	754.04	755.93	757.83	759.73	761.62	763.52	765.41	767.31	769.21	771.10	773.00
13	752.60	752.87	753.13	753.40	753.67	753.93	755.84	757.75	759.65	761.56	763.47	765.37	767.28	769.19	771.09	773.00
14	752.50	752.77	753.03	753.30	753.57	753.83	755.75	757.66	759.58	761.50	763.42	765.33	767.25	769.17	771.08	773.00
15	752.41	752.67	752.94	753.20	753.46	753.73	755.66	757.58	759.51	761.44	763.36	765.29	767.22	769.15	771.07	773.00
16	752.31	752.57	752.84	753.10	753.36	753.63	755.56	757.50	759.44	761.38	763.31	765.25	767.19	769.13	771.06	773.00
17	752.22	752.48	752.74	753.00	753.26	753.52	755.47	757.42	759.37	761.31	763.26	765.21	767.16	769.10	771.05	773.00
18	752.12	752.38	752.64	752.90	753.16	753.42	755.38	757.34	759.29	761.25	763.21	765.17	767.13	769.08	771.04	773.00
19	752.02	752.28	752.54	752.80	753.06	753.32	755.29	757.25	759.22	761.19	763.16	765.13	767.10	769.06	771.03	773.00
20	751.93	752.19	752.44	752.70	752.96	753.21	755.19	757.17	759.15	761.13	763.11	765.09	767.06	769.04	771.02	773.00
21	751.83	752.09	752.34	752.60	752.86	753.11	755.10	757.09	759.08	761.07	763.06	765.04	767.03	769.02	771.01	773.00
22	751.74	751.99	752.25	752.50	752.75	753.01	755.01	757.01	759.01	761.01	763.00	765.00	767.00	769.00	771.00	773.00
23	751.64	751.89	752.15	752.40	752.65	752.91	754.92	756.92	758.93	760.94	762.95	764.96	766.97	768.98	770.99	773.00
24	751.55	751.80	752.05	752.30	752.55	752.80	754.82	756.84	758.86	760.88	762.90	764.92	766.94	768.96	770.98	773.00
25	751.45	751.70	751.95	752.20	752.45	752.70	754.73	756.76	758.79	760.82	762.85	764.88	766.91	768.94	770.97	773.00
26	751.42	751.67	751.92	752.17	752.42	752.67	754.70	756.74	758.77	760.80	762.84	764.87	766.90	768.93	770.97	773.00
27	751.39	751.64	751.89	752.14	752.39	752.64	754.68	756.71	758.75	760.79	762.82	764.86	766.89	768.93	770.96	773.00
28	751.36	751.61	751.86	752.11	752.36	752.61	754.65	756.69	758.73	760.77	762.81	764.85	766.88	768.92	770.96	773.00
29	751.33	751.58	751.83	752.08	752.33	752.58	754.63	756.67	758.71	760.75	762.79	764.83	766.88	768.92	770.96	773.00
30	751.30	751.55	751.80	752.05	752.30	752.55	754.60	756.64	758.69	760.73	762.78	764.82	766.87	768.91	770.96	773.00
31	751.28	751.53	751.78	752.03	752.28	752.53	754.57	756.62	758.67	760.72	762.76	764.81	766.86	768.91	770.95	773.00

FINAL SUMMARY OF HEC5P MODELING OF SACANDAGA-HUDSON SETTLEMENT SCENARIOS

Table D1 (Final Summary of HEC5P Modeling of Sacandaga-Hudson Settlement Scenarios), which follows the narrative discussion in Appendix D, is also included here at the request of certain signatories.

Table D1

Final Summary of HEC5P Modeling of Sacandaga-Hudson Settlement Scenarios

Table D1 – Final Summary Of HEC5P Modeling of Sacandaga-Hudson Settlement Scenarios

	Performance Parameter	SQ	SET 748	SET 749A	SET 749B	SET 750
1	Percent Time Regulated Flow Below Hadley, NY Exceeds 1,760-cfs	98	99.6	99.6	99.6	99
2	Percent Time Regulated Flow Below Hadley, NY Exceeds 2,000-cfs	95	97	97	89	89
3	Percent Time Regulated Flow Below Hadley, NY Exceeds 3,000-cfs	65	60	60	60	60
4	Percent Time Regulated Flow Below Hadley, NY Exceeds 6,000-cfs	31	35	35	35	35
5	Percent Time Regulated Flow Below Hadley, NY Exceeds 8,000-cfs	17.5	17.5	17.5	17.5	17.5
6	Percent Time Regulated Flow Below Hadley, NY Exceeds 20,000-cfs	1.0	1.0	1.0	1.0	1.0
7	Percent Time Regulated Flow Below Hadley, NY Exceeds 25,000-cfs	0.2	0.2	0.3	0.3	0.3
8	100-Year Flood Below Hadley, NY (cfs)	43,010	42,220	42,920	42,490	43,220
9	50-Year Flood Below Hadley, NY (cfs)	39,450	38,710	39,240	38,910	39,500
10	10-Year Flood Below Hadley, NY (cfs)	31,040	30,420	30,660	30,550	30,860
11	Annual 7Q10 Flow Below Hadley, NY (cfs)	1,210	1,940	1,940	1,660	1,590
12	GSL Highest Elevation (ft USGS)	773.30	773.70	773.90	773.80	773.80
13	GSL Lowest Elevation (ft USGS)	737.70	742.90	742.90	745.80	745.80
14	Percent of Time GSL Elevation Exceeds 748 Annually	90	97	99.3	99.7	99.7
15	Percent of Time GSL Elevation Exceeds 750 Annually	85	91	93	93	97
16	Percent of Time GSL Elevation Exceeds 771 Annually	0.3	1.0	1.0	1.25	1.4
17	Percent of Time GSL Elevation Exceeds 768 In April	10	27	28	27.5	29
18	Percent of Time GSL Elevation Exceeds 770 In April	3	14	15	15	16
19	Percent of Time GSL Elevation Exceeds 771 In April	2	6	7	6	7
20	Percent of Time GSL Elevation Exceeds 773 In April	0.1	0.4	0.7	0.7	1.0
21	Percent of Time GSL Elevation Exceeds 768 In May	20	55	55	54	54
22	Percent of Time GSL Elevation Exceeds 770 In May	5	20	20	20	20
23	Percent of Time GSL Elevation Exceeds 771 In May	2	7	7	7	8
24	Percent of Time GSL Elevation Exceeds 773 In May	0	0.4	0.4	0.4	0.4
25	Percent of Time GSL Elevation Exceeds 765 In June	91	95	96	95	96.5
26	Percent of Time GSL Elevation Exceeds 768 In June	15	15	15	15	15
27	Percent of Time GSL Elevation Exceeds 771 In June	.005	2	2	2	2
28	Percent of Time GSL Elevation Exceeds 756 in September	93	99	99	99	99
29	Percent of Time GSL Elevation Exceeds 758 in September	22.5	92	92	91	92
30	Percent of Time GSL Elevation Exceeds 759 in September	4	87	87	83	83
31	Percent of Time GSL Elevation Exceeds 760 in September	2	76	77.5	70	70
32	Percent of Time GSL Elevation Exceeds 756 in October	25	95	95	96	97
33	Percent of Time GSL Elevation Exceeds 758 in October	10	87	87	88	89
34	Percent of Time GSL Elevation Exceeds 759 in October	8	72.5	72.5	60	80
35	Percent of Time GSL Elevation Exceeds 760 in October	6	50	50	50	50
36	100-Year Flood Elevation on GSL	773.07	774.04	774.16	774.06	774.22
37	50-Year Flood Elevation on GSL	772.49	773.75	773.85	773.78	773.93
38	10-Year Flood Elevation on GSL	770.90	772.79	772.86	772.85	772.96
39	1-Year Flood Elevation on GSL	764.64	764.72	765.10	764.58	765.22
40	Average Whitewater Hours in June	8.83	7.22	7.23	6.37	6.37
41	Average Whitewater Hours in July	9.08	8.38	8.42	7.31	7.33
42	Average Whitewater Hours in August	9.32	8.36	8.36	7.68	7.70
43	Average Whitewater Hours in September	8.27	7.72	7.73	6.08	6.09
44	Average Whitewater Hours in October	3.86	3.67	3.67	2.67	2.67
45	Percent Time Base Flow Below Stewart's Exceeds 50 cfs Annually	100	100	100	100	100
46	Percent Time Base Below Stewart's Flow Exceeds 200 cfs Annually	4	4	4	100	100
47	Percent Time Base Flow Below Stewart's Exceeds 350 cfs Annually	4	4	4	95	95
48	Base Flow Below SB Exceeds 350-cfs Through June (Return Period)	Never	Never	Never	2	2
49	Base Flow Below SB Exceeds 350-cfs Through July (Return Period)	Never	Never	Never	2	1.6666
50	Base Flow Below SB Exceeds 350-cfs Through August (Return Period)	Never	Never	Never	1.2222	1.2222
51	Base Flow Below SB Exceeds 350-cfs Through September (Return Period)	Never	Never	Never	2.5	2.5
52	GSL Weekly Elevation Exceeds 748 through entire year (Return Period)	5	1.6666	1.3333	1.1111	1.0101
53	GSL Weekly Elevation Exceeds 750 through entire year (Return Period)	15	4	3	3	1.6668
54	GSL Weekly Elevation Exceeds 759 through September (Return Period)	--	1.2222	1.2222	1.2222	1.2222
55	GSL Weekly Elevation Exceeds 759 through October (Return Period)	33	3	3	3	2.75
56	GSL Weekly Elevation Exceeds 760 through September (Return Period)	--	1.6666	1.6666	1.6666	1.6666
57	GSL Weekly Elevation Exceeds 760 through October (Return Period)	75	5	5	5	5
58	Percent of Time Annually GSL Level Above Level 2.0	97	96	96	96	97
59	Percent of Time Annually GSL Level Above Level 2.5	93	88	88	87	88

Table D1 – Final Summary Of HEC5P Modeling of Sacandaga-Hudson Settlement Scenarios

	Performance Parameter	SQ	SET 748	SET 749A	SET 749B	SET 750
60	Percent of Time Annually GSL Level Above Level 3.0	30	65	65	70	70
61	Percent of Time Annually GSL Level Above Level 3.5	5	8	8	8.5	8.5
62	Percent of Time Annually GSL Level Above Level 4.0	0.4	0.1	0.1	0.1	0.1
63	Percent of Time Annually Flow Below Feeder Dam Above 1,500-cfs	96	99.8	99.8	99.8	99.8
64	Percent of Time Annually Flow Below Feeder Dam Above 1,760-cfs	94	99	99	97	97
65	Percent of Time Annually Flow Below Feeder Dam Above 8,000-cfs	18	18	18	18	19
66	Percent of Time Annually Flow Below Feeder Dam Above 20,000-cfs	1.2	1.2	1.5	1.5	1.75
67	Percent of Time Annually Average Flow Below Stewart's Exceeds 200-cfs	90	92	92.5	100	100
68	Percent of Time Annually Average Flow Below Stewart's Exceeds 350-cfs	88	91	91.5	95	95
69	Percent of Time Annually Average Flow Below Stewart's Exceeds 700-cfs	83	88	88	87	87
70	Expected Annual On Peak Generation Loss (From SQ1D) for International Paper power plants (mWh)	0	700	1,500	1,700	2,500
71	Expected Annual Total Generation Loss (From SQ1D) for International Paper power plants (mWh)	0	(400)	900	1,400	2,800
72	Expected Annual On Peak Generation Loss (From SQ1D) for AHDC power plants (mWh)	0	(300)	0	400	900
73	Expected Annual Total Generation Loss (From SQ1D) for AHDC power plants (mWh)	0	(3,100)	(2,300)	(1,900)	(1,000)
74	Expected Annual On Peak Generation Loss (From SQ1D) for Finch Pruyn (mWh)	0	(200)	(100)	0	100
75	Expected Annual Total Generation Loss (From SQ1D) for Finch Pruyn (mWh)	0	(1,000)	(800)	(700)	(500)
76	Expected Annual On Peak Generation Loss (From SQ1D) for Orion Power of New York power plants (mWh)	0	6,100	7,000	17,100	18,400
77	Expected Annual Total Generation Loss (From SQ1D) for Orion Power of New York power plants (mWh)	0	(1,400)	500	11,200	13,100
78	Expected Annual On Peak Generation Loss (From SQ1D) O f All 10 power plants (mWh)	0	6,300	8,400	19,200	21,900
79	Expected Annual Total Generation Loss (From SQ1D) of All 10 power plants (mWh)	0	(5,900)	(1,700)	10,000	14,400

APPENDIX F

REQUIREMENTS FOR OWNERSHIP, OPERATION AND MAINTENTANCE OF THE NORTH-SIDE TAKE-OUT AREA

APPENDIX F

Requirements for Ownership, Operation and Maintenance of the North-Side Take-Out Area

Regardless of ownership, the following aspects of the whitewater program are prerequisites for ownership/operation and must be documented in any River Manager contract as well as in any lease, deed, easement or covenant for the property.

1. Liability

The liability management measures currently in place must be met or exceeded.

2. Access

The take-out area must be open and free to private (*i.e.*, non-commercial) users and managed for public and commercial users. The general public and commercial users shall have shared use of all facilities.

3. Existing Facilities

The north side take-out area at the confluence of the Hudson and Sacandaga Rivers consists of a seven acre parcel in the Town of Hadley, presently owned by the licensee, which is made up of two distinct use areas described south to north as follows: a) The Sacandaga Whitewater Recreation Area, a three acre area including an access drive, parking area for approximately 30 vehicles, take-out ramp, river manager building, and changing and sanitation facilities , and b) a four acre area including a wooded area, shoreline paper mill ruins, and parking lot and building, used for whitewater purposes, fronting on County Route 4.

Two directional signs are maintained which clearly identify for the public the location of the whitewater access area. One is located at the entrance to the site and one at the intersection of Rockwell Avenue and Old Corinth Road.

4. Existing Whitewater Operations

Roads, parking and general recreation at the north side take-out will be open, at a minimum, during the hours of 9 a.m. to ½ hour after sunset weekends from Saturday of Memorial Day weekend until the third Saturday in June; daily from the third Sunday in June until Labor Day and weekends from Labor Day to Columbus Day. For purposes of site related security and safety, this operation can be temporarily suspended.

5. Standard of Care and Operation

The existing structure, trails, fencing, roads, parking areas, take-out facilities, and any replacement facilities or additional structures shall be maintained in good, safe and sanitary conditions and general operation shall be consistent with existing whitewater operation of the site.

6. New Construction

Expansions of existing structures or construction of new facilities shall be consistent with the use of the area for whitewater recreation. The existing visual buffer between the Sacandaga and Hudson Rivers and the upland facilities will be maintained. The owner/lessee will consult with the Sacandaga Whitewater Advisory Council regarding planned construction.

7. Administration

The owner/lessee and/or the River Manager will actively participate in the Sacandaga Whitewater Advisory Council (SWAC). Through participation in the SWAC, the owner/lessees and/or River Manager agree to participate in a consensus-based[1] process to develop vision and mission statements as well as an implementation plan for an overall whitewater management program for the Sacandaga River from Stewarts Bridge Dam to the Hudson River confluence.

All covenants and restrictions above shall run with, touch and concern the land, for the Stewarts Bridge license term with the understanding that the owner will make a good faith effort to negotiate a continuation of these covenants at the conclusion of the Stewarts Bridge license term. The covenants shall be enforceable by the New York State Department of Environmental Conservation and an officer or board member of a non-governmental organization that is a signator to this settlement. Any of the above entities may act individually to enforce these covenants.

If any portion of this Declaration shall be deemed unenforceable for any reason, all other clauses shall remain in full force in effect.

[1] For purposes of this settlement, consensus based decision making shall mean the same thing as decision making by unanimous vote.

Document Content(s)