







1790 - Forge and Iron Works

1853 - Saco Water Power Company acquiring property

1875 - Wood and stone dam

1915 – Saco Water Power merges with Pepperell Manufacturing

1919 – Dam reconstructed

1930 – Electrification of mills; dam sold to Cumberland Power and Light

1942 – Cumberland merges with Central Maine Power

1944 – CMP reconstructs dam in current configuration

1992 – CMP transfers ownership to State of New Hampshire









1995 Repairs

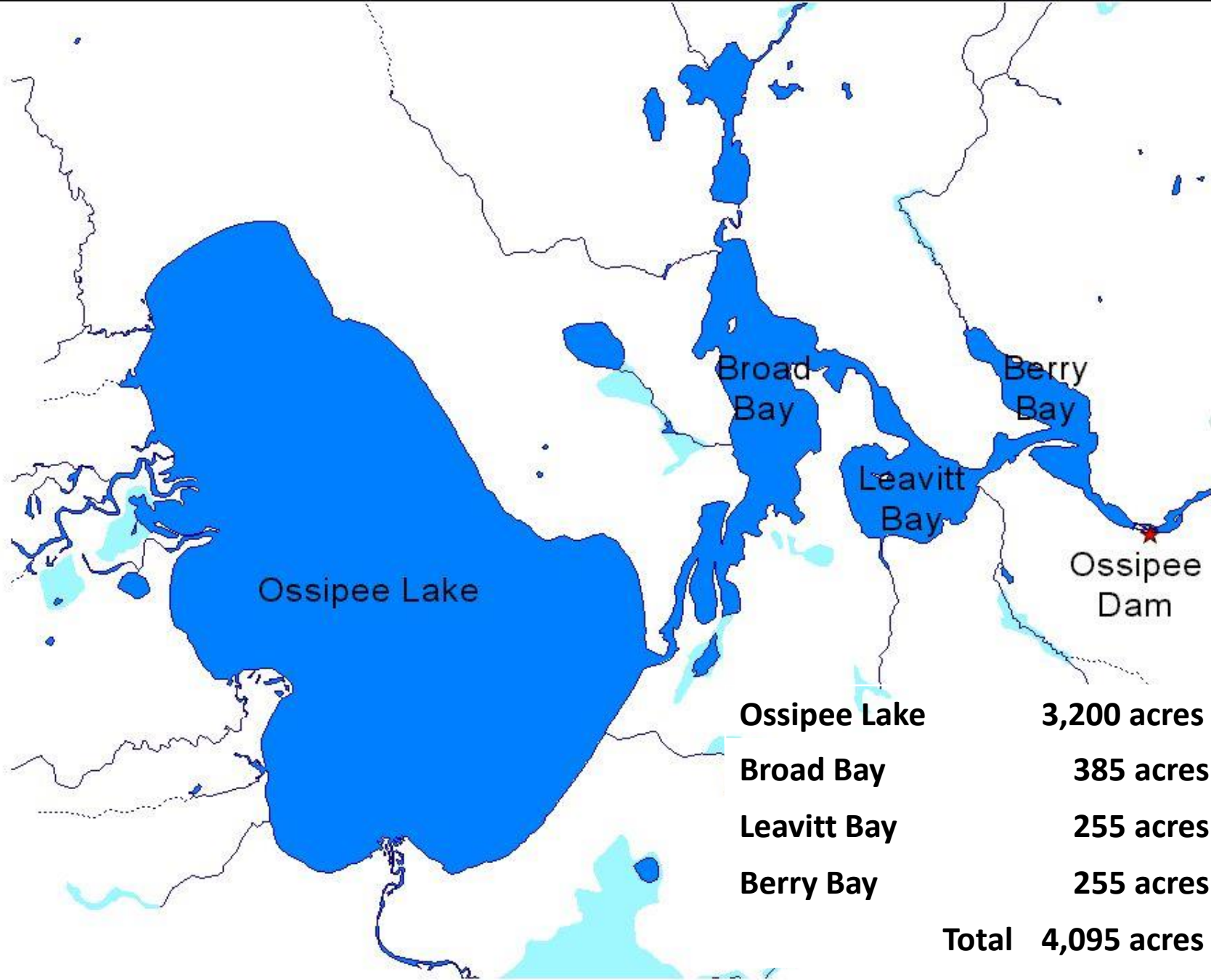




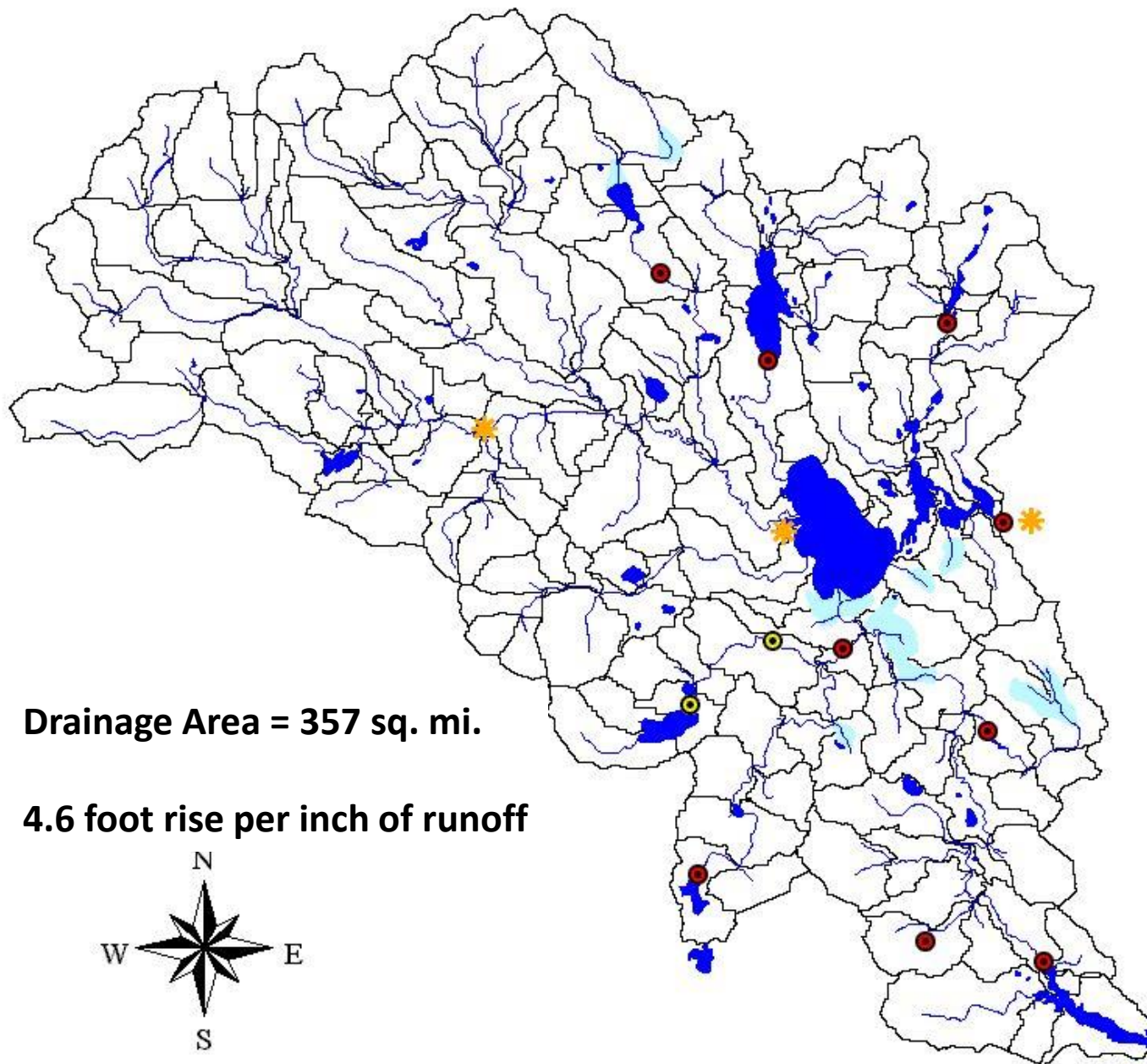











Ossipee Lake	3,200 acres
Broad Bay	385 acres
Leavitt Bay	255 acres
Berry Bay	255 acres
Total	4,095 acres

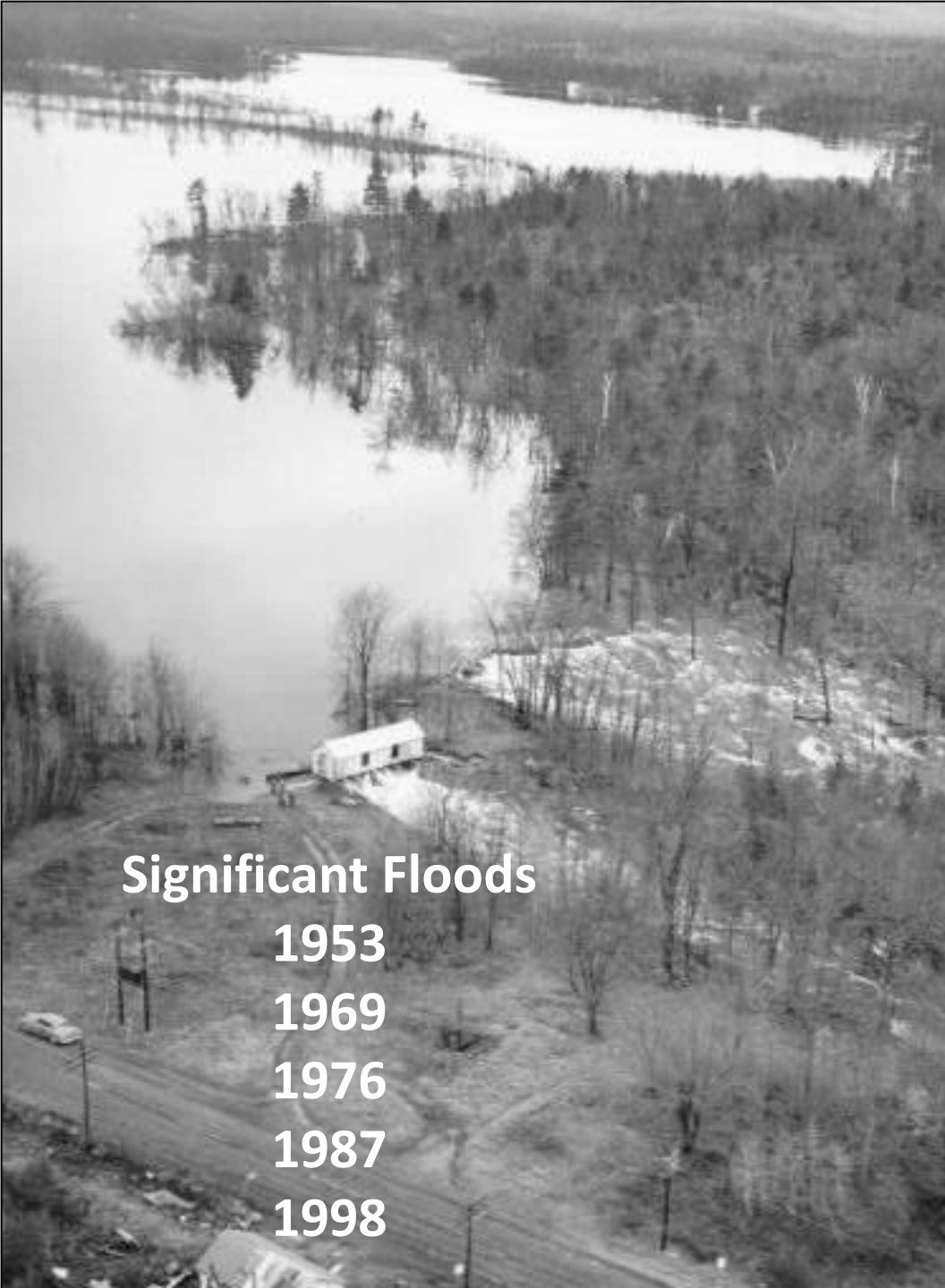


Drainage Area = 357 sq. mi.

4.6 foot rise per inch of runoff

-  **Stream Gages**
-  **Class A Dams**
-  **Class B Dams**





Significant Floods

1953

1969

1976

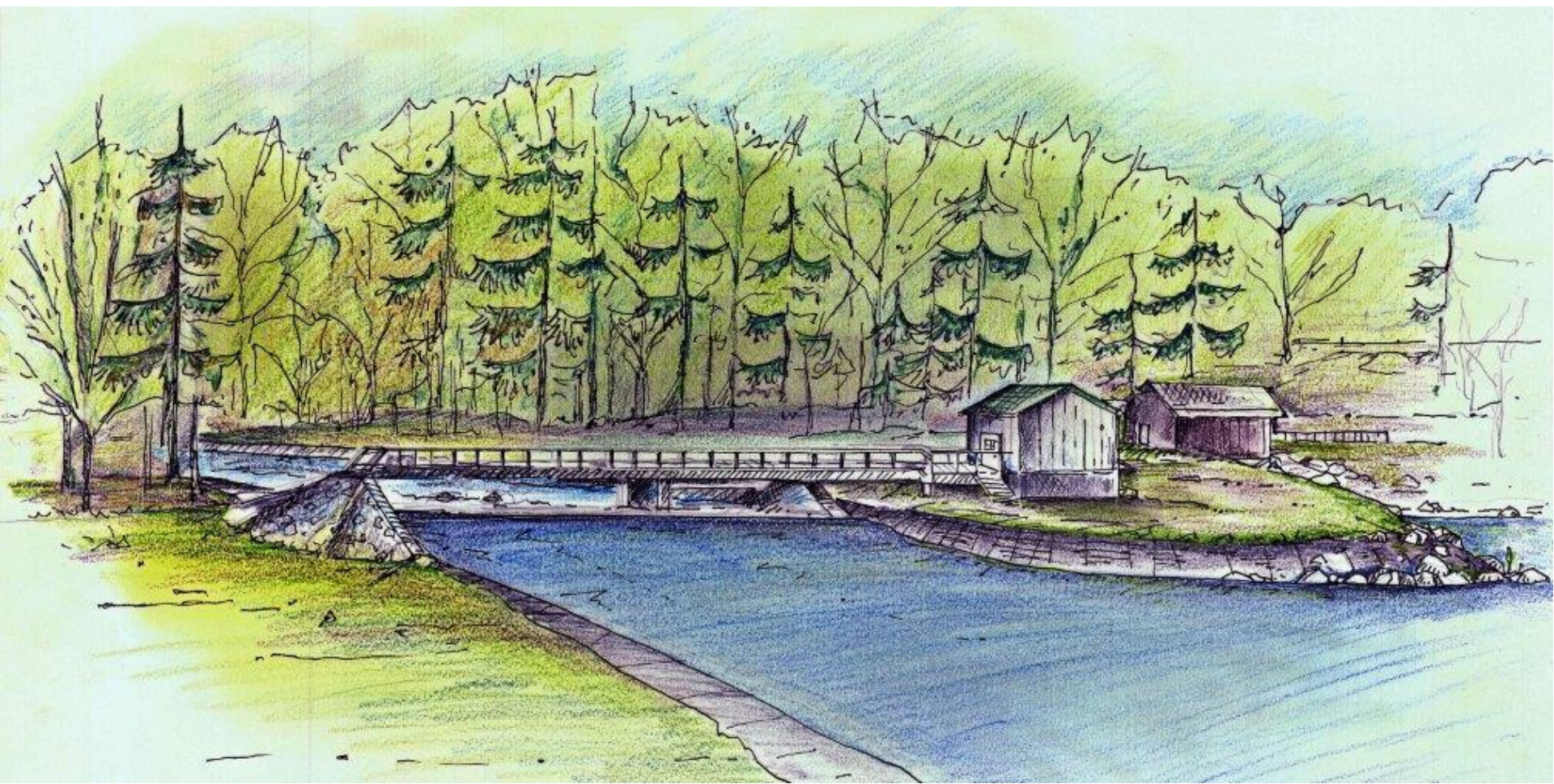
1987

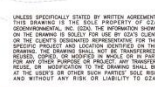
1998





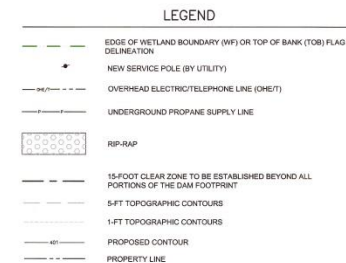






UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF S2A ENGINEERING, INC. S2A, THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY S2A'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE REPRODUCED, COPIED, OR MODIFIED IN WHOLE OR IN PART FOR ANY OTHER PURPOSE OR PROJECT, ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING SHALL BE AT THE USER'S OR USER'S COMPANY'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO S2A.

G:\2-1\170,000-179,999\170168\170168-00_PCV\FIGURES\CAD\170168-00_BASE.dwg [C:\Program Data\Improvements and Layout Plan\August 02, 2011 - 11:32am: jackson.bewick]



1. ALL NEW STRUCTURES AND FEATURES SHOWN ON THIS PLAN TO BE CONSTRUCTED OR INSTALLED BY THE CONTRACTOR UNDER THE WORK OF THIS CONTRACT.
2. EXISTING STRUCTURES OR FEATURES TO BE MODIFIED OR REMOVED HAVE BEEN IDENTIFIED AND WORK SHALL BE PERFORMED BY THE CONTRACTOR UNDER THE WORK OF THIS CONTRACT.
3. EXISTING STRUCTURES OR FEATURES NOT OTHERWISE INDICATED SHALL REMAIN AND SHALL BE PROTECTED BY THE CONTRACTOR.
4. CONTRACTOR SHALL COORDINATE FINAL DIMENSIONS OF CONCRETE PAV FOR PROPOSED TAILGATE AND EXISTING DRIVEWAYS TO BUILDING WITH THE PROPOSED TAILGATE SUPPLIER.
5. CONTRACTOR SHALL CLEAR/GRUB ALL TREES/VEGETATION SUCH THAT A 15'-00" CLEAR AREA IS ESTABLISHED BEFORE THE FOOTPRINT OF ALL PORTIONS OF THE DAM (I.E. EXISTING REMAINS, AND TRAINING WALLS). CONTRACTOR SHALL CLEAR/GRUB/GRUB ALL OBSTACLES (TREES, ROCKS, ETC.) TO BE REMOVED TO ALLOW PROPER EXCAVATION OF THE CONTRACT WORK AND IN ACCORDANCE WITH SPECIFICATION SECTION 02110.
6. THIS DESIGN IS IN GENERAL ACCORDANCE WITH THE NEW HAMPSHIRE DAM SAFETY REGULATIONS AND THE NEW HAMPSHIRE DAM SAFETY DESIGN AND CONSTRUCTION OF BLOCK



GZA GeoEnvironmental, Inc.
ONE EDgewater DRIVE
NORWOOD, MA 02062
PH: (781) 278-3700
FAX: (781) 379-6701

DESIGNED: MCT	SCALE: AS SHOWN	DATE: AUGUST, 201
------------------	--------------------	----------------------

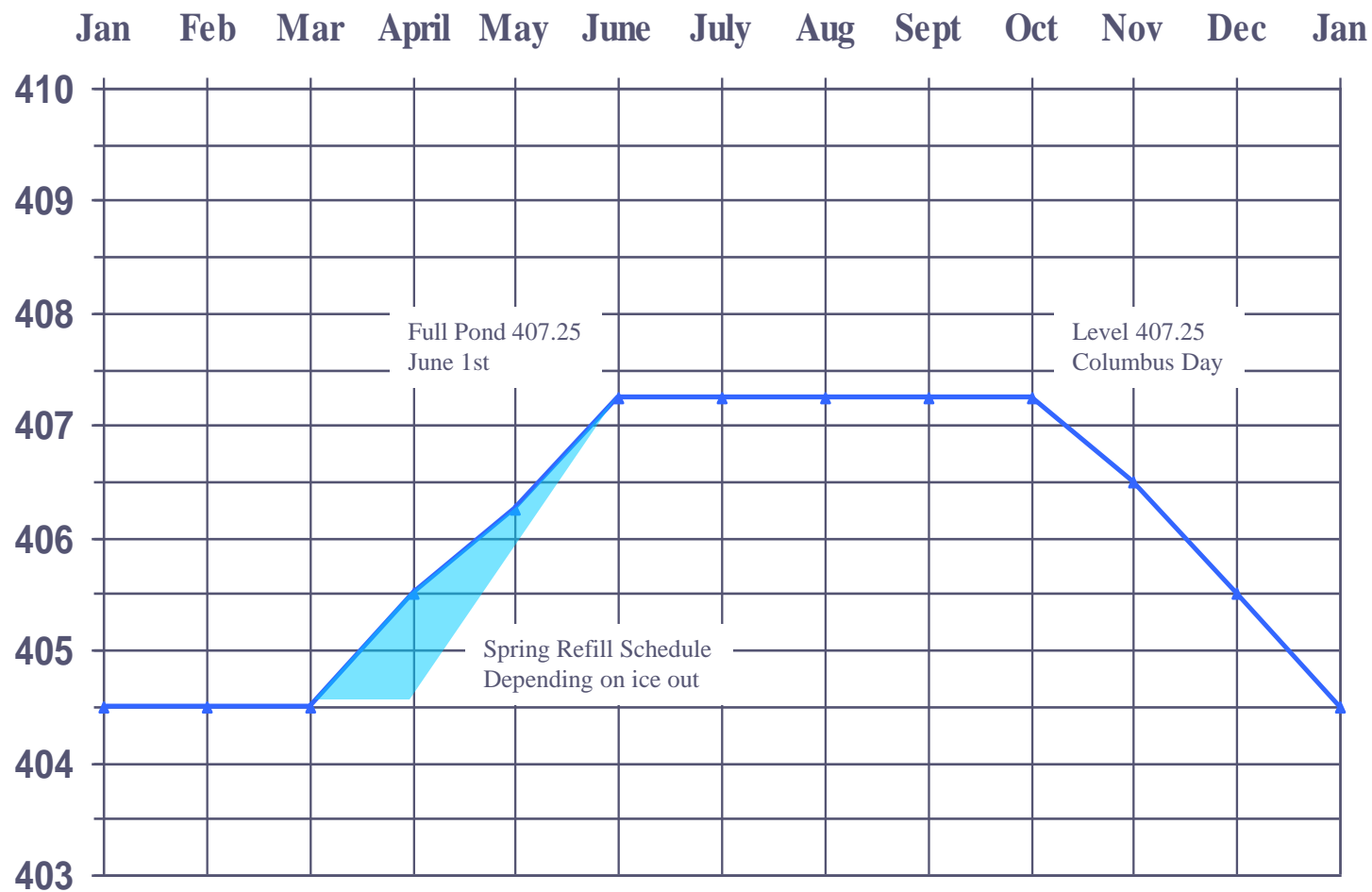
DRAWN BY MCT	
CHECKED BY ABB	GZA JOB NO. 120168.00

[illegible]

Schedule

- ◆ Design Plans and Specifications completed 2010
- ◆ Contract to update Plans and Specifications and provide Engineering Services During Construction August 2018
- ◆ Construction Bids due November 2018
- ◆ Construction to Begin Spring 2019
- ◆ 12-month estimated construction period



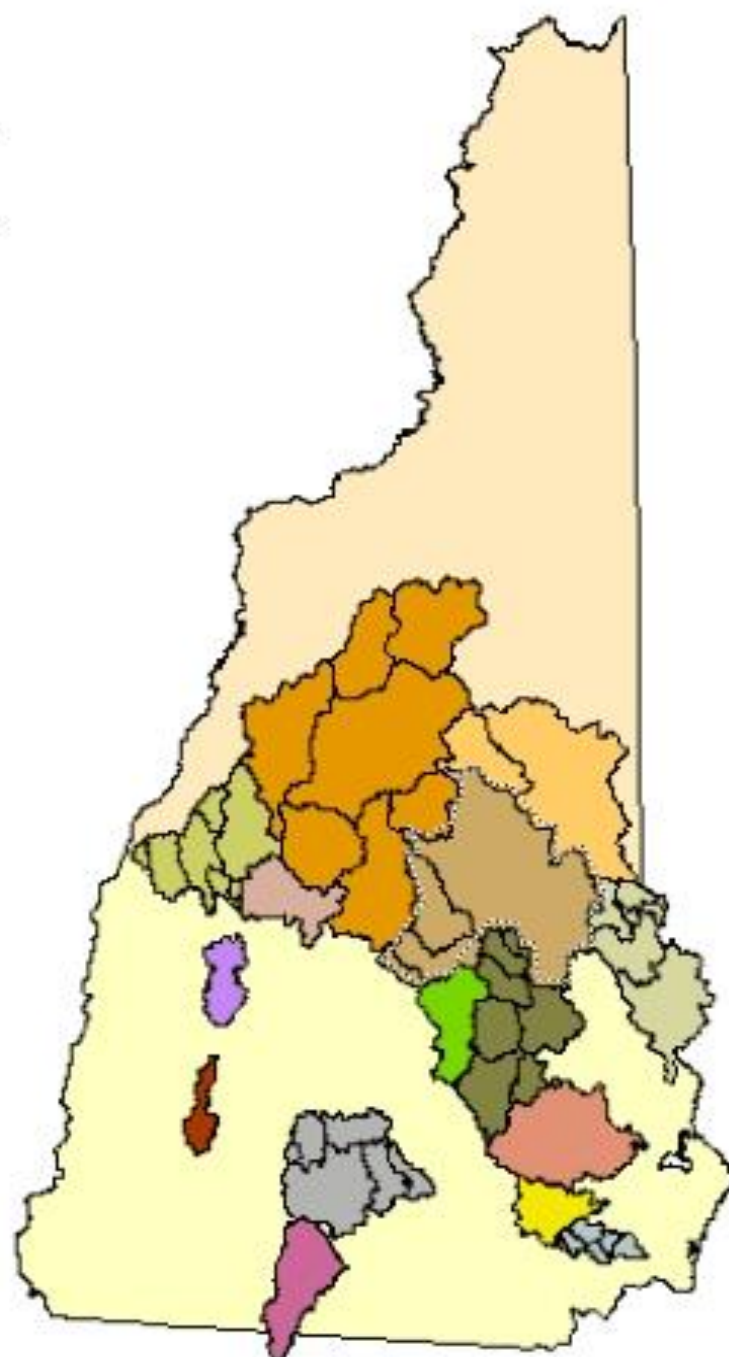


Basins

- Winnepesaukee River
- Smith River
- Pemigewasset River
- Ossipee River
- Salmon Falls River
- Suncook River
- Mascoma River
- Piscataquog River
- Powwow River
- Soucook River
- Lamprey River
- Exeter River
- Sugar River
- Contoocook River
- Souhegan River

Areas

- Northern
- Southern



Hydrologic Data
Collection Network



GOES Satellite

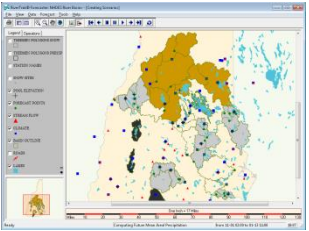
DRGS



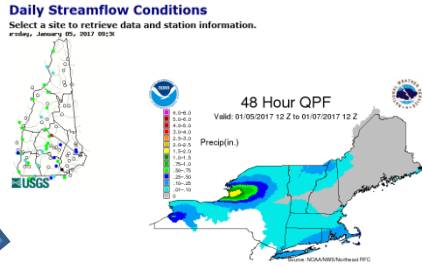
Public Real-Time
Data Webpage



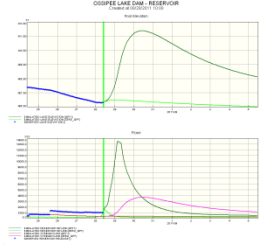
Rivertrak Modeling
Software & Database



USGS & NWS Imports



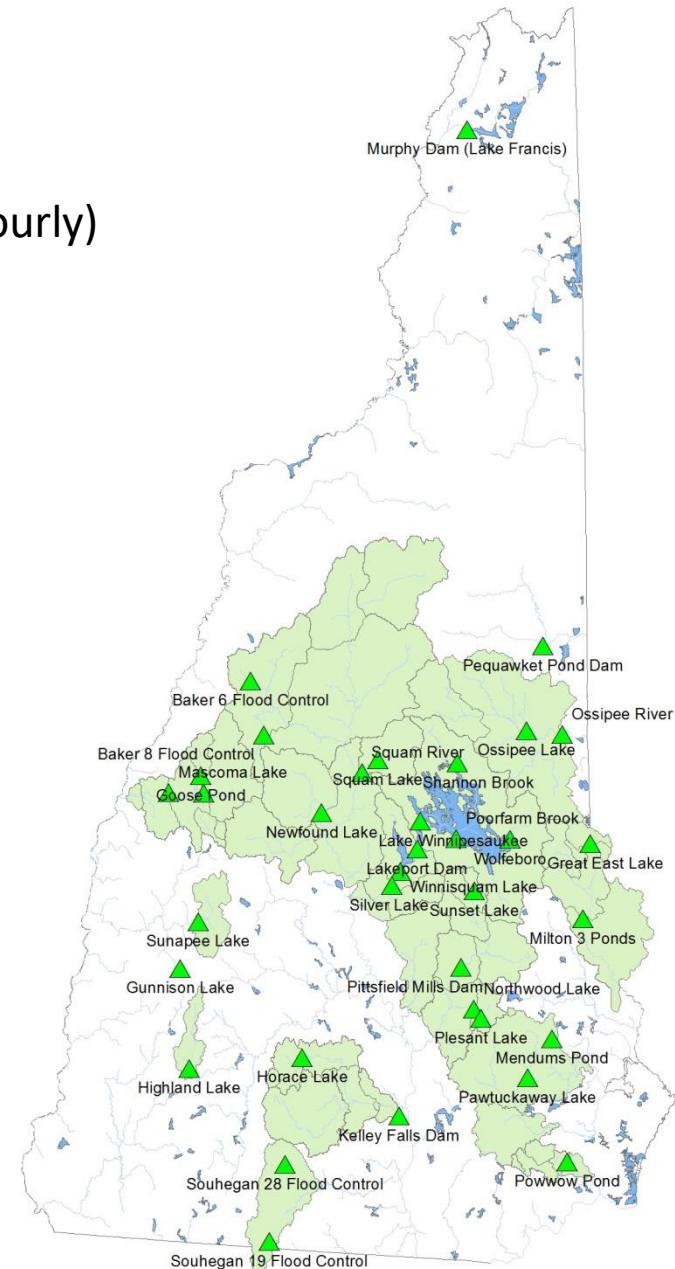
Flood Monitor Plots



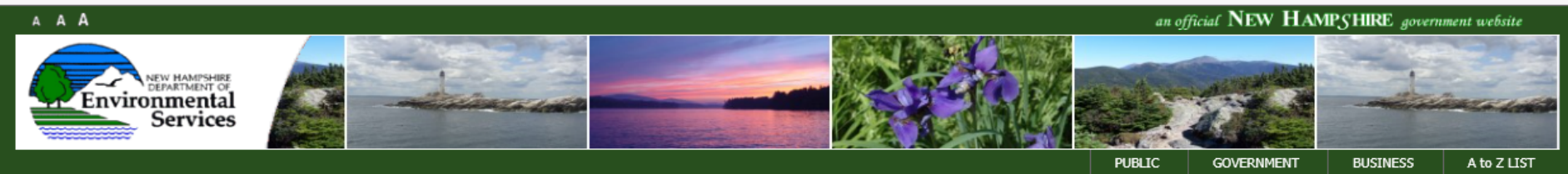
Manual Data Entry

NHDES Hydrologic Data Collection Network

- 35 stations maintained by NHDES
- Satellite telemetry transmits data in real-time (hourly)
- Dataloggers are programmable for user entry of gate/logbay settings and flow calculations







- NHDES Home
- A to Z List
- About NHDES
- Media Center
- Public
- Government
- Business
- Programs
- Rules/Regulatory
- Contact Us



Beach Advisory
Drinking Water Advisory



Follow us on

Welcome!

New Hampshire Department of Environmental Services

Investigation into Perfluorooctanoic Acid (PFOA) Found in Southern New Hampshire Drinking Water

- ### NHDES News
- June 21, 2017
Public Hearing Notice
Nomination Of The Warner River Into The New Hampshire Rivers Management And Protection Program
 - June 20, 2017
State Issues Cyanobacteria Advisory For Elm Brook Park Beach, Hopkinton
 - June 15, 2017
NH Winners At Gulf Of Maine Council's 2017 International Award Ceremony
 - June 14, 2017
State Removes Cyanobacteria Warning For Goose Pond, Canaan, NH
 - June 13, 2017
State Issues Cyanobacteria Warning For Silver Lake, Hollis
 - June 12, 2017
State Issues Cyanobacteria Warning For Goose Pond, Canaan
 - June 9, 2017
Several Well Water Results From Windham Contain Elevated Concentrations Of PFCs
 - June 8, 2017
New Laws In Effect To Protect New Hampshire Water Bodies From Aquatic Invasive Species Infestations
 - May 22, 2017
NHDES Presents Drinking Water Source Protection Awards

- ### What's New
- 2016, Draft 303(D) List (May 8, 2016)
 - NEG/ECP Regional Climate Change Initiative
 - Volkswagen Settlement
 - Current Drought Conditions
 - NEW! Drought Economic Impact Survey For Households On Private Wells
 - NEW! Drought Economic Impact Survey For Industrial, Commercial, Institutional, Public Water System And Agricultural Water Users
 - Environmental News Newsletter
 - Test It - A Short Video On How To Test Your Well
 - Healthy Water - A Short Video On The Health Concerns For Common Contaminants In New Hampshire's Groundwater

search this site

NHDES Calendar												
				1	2	3						
4	5	6	7	8	9	10						
11	12	13	14	15	16	17						
18	19	20	21	22	23	24						
25	26	27	28	29	30							

- ### The Department
- Commissioner's Office
 - Air Resources Division
 - Waste Management Div.
 - Water Division
 - Boards and Committees

- ### Quick Links
- Administrative Rules
 - Air Quality Forecasting
 - Certification/Training
 - Directions to NHDES
 - Disaster Preparedness & Response
 - Emergency Phone #s
 - Employment Opportunities
 - File Review
 - Forms/Applications
 - Geologic Information
 - Grants/Loans
 - Laboratory Services
 - Lake Level Data
 - Legislative Activity
 - Permits
 - Publications/Fact Sheets
 - Public Info/Help
 - Requests for Proposals
 - Telephone Directory

How Do I...

- DES Home
- About DES
- Media Center
- Public
- Government
- Business
- Programs
- Rules/Regulatory
- Contact Us
- Site Map



[Divisions](#) > [Water Division](#) > [Programs/Bureaus/Units](#) > [Dam Bureau](#) > [Real-Time Data & Information for Watersheds](#) >

Real-Time Data & Information for Watersheds in New Hampshire

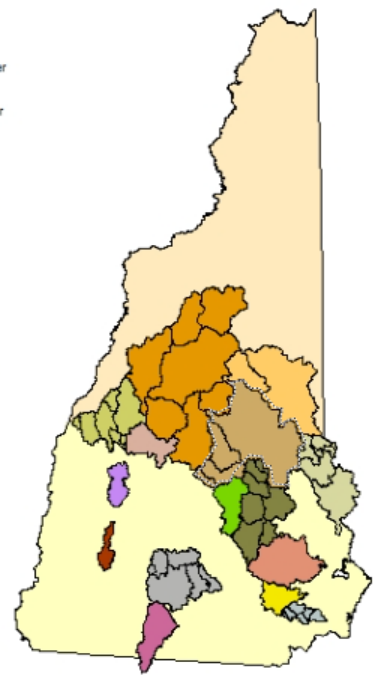
Select a basin from the menu or click on a portion of the map to view information for the area of interest

Basins

- Winnepesaukee River
- Smith River
- Pemigewasset River
- Ossipee River
- Salmon Falls River
- Suncook River
- Mascoma River
- Piscataquog River
- Powwow River
- Soucook River
- Lamprey River
- Exeter River
- Sugar River
- Cortiscook River
- Souhegan River

Areas

- Northern
- Southern



Related Information

- [Historic Data](#)
- [Radar Data](#)
- [Useful Links](#)
- [Operations Info](#)
- [Snow Sampling](#)

NH Department of Environmental Services | 29 Hazen Drive | PO Box 95 | Concord, NH 03302-0095
(603) 271-3503 | TDD Access: Relay NH 1-800-735-2964 | Hours: M-F, 8am-4pm

- DES Home
- About DES
- Media Center
- Public
- Government
- Business
- Programs
- Rules/Regulatory
- Contact Us
- Site Map

One Stop Data and Information

ALERTS

SUBSCRIBE e news

Divisions > Water Division > Programs/Bureaus/Units > Dam Bureau > Real-Time Data & Information for Watersheds > Pemigewasset River and Ossipee Lake Watersheds >

Pemigewasset River and Ossipee Lake Watersheds

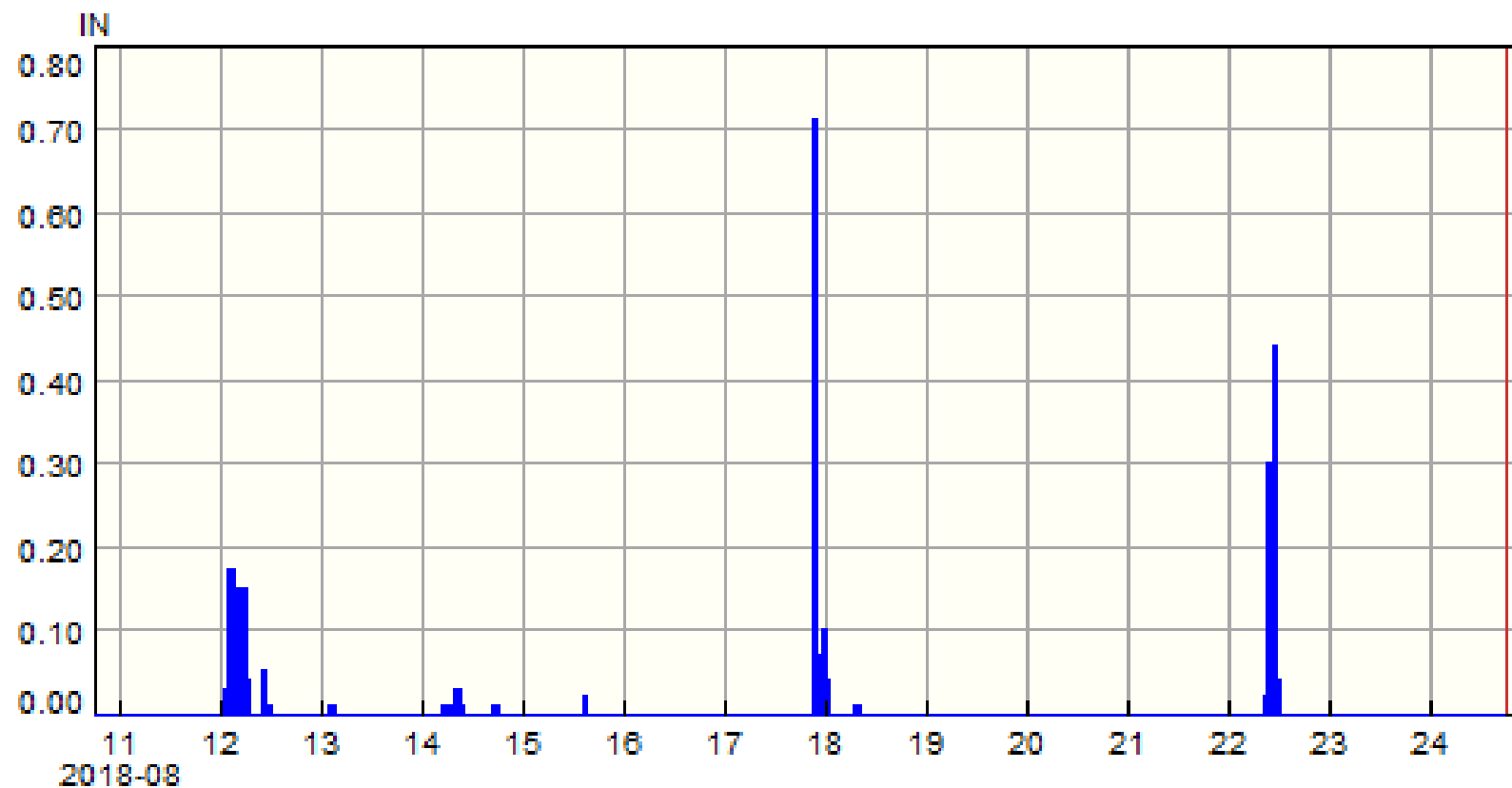


Click on a Station to see Current Observations and Operations

[Current Watershed Operations Information](#)

OSSIPEE DAM HOURLY PRECIPITATION [IN]

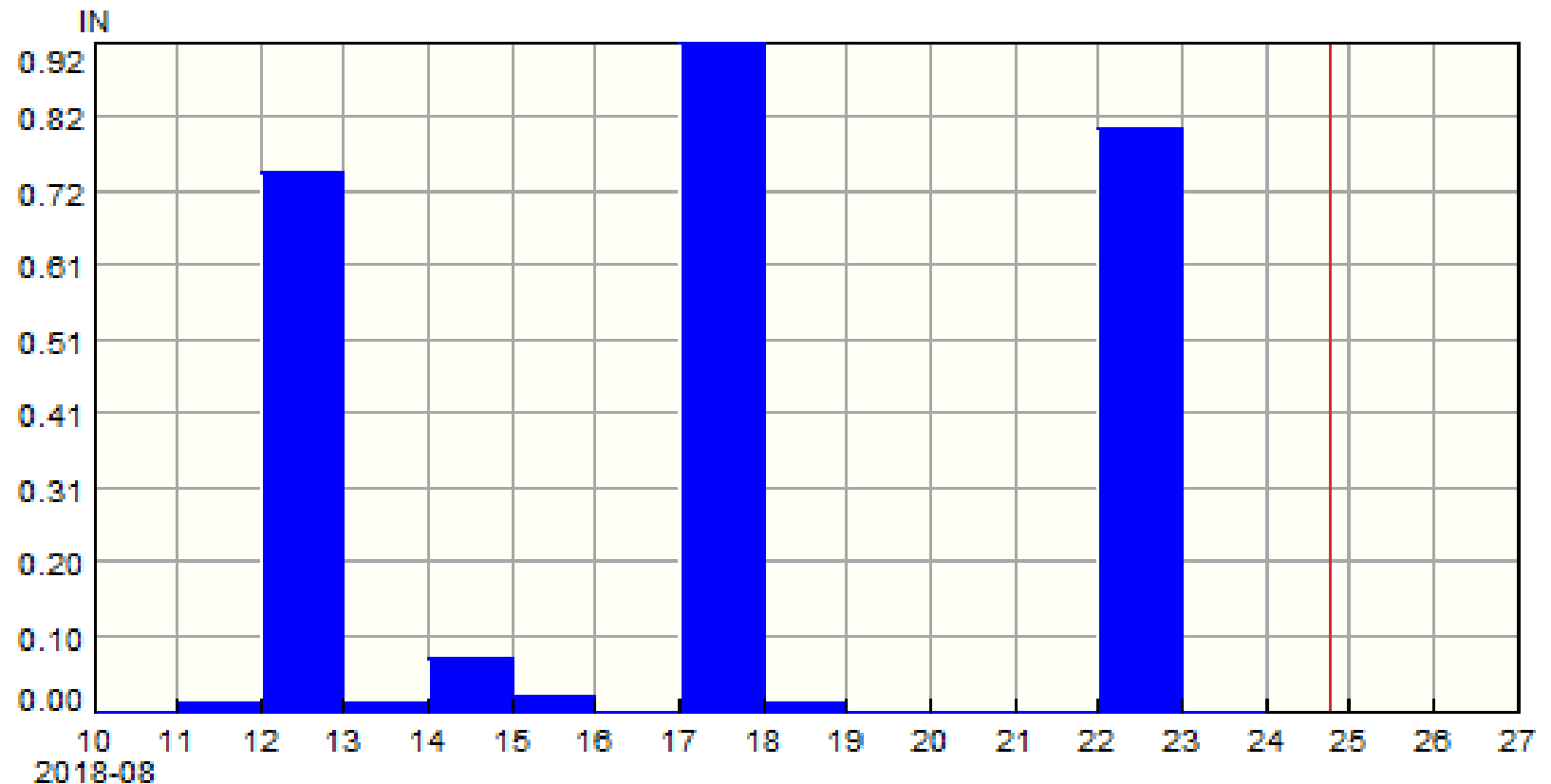
Created at 08/24/2018 18:00



PRECIPITATION INCREMENT (HOUR)

OSSIPEE DAM DAILY PRECIPITATION [IN]

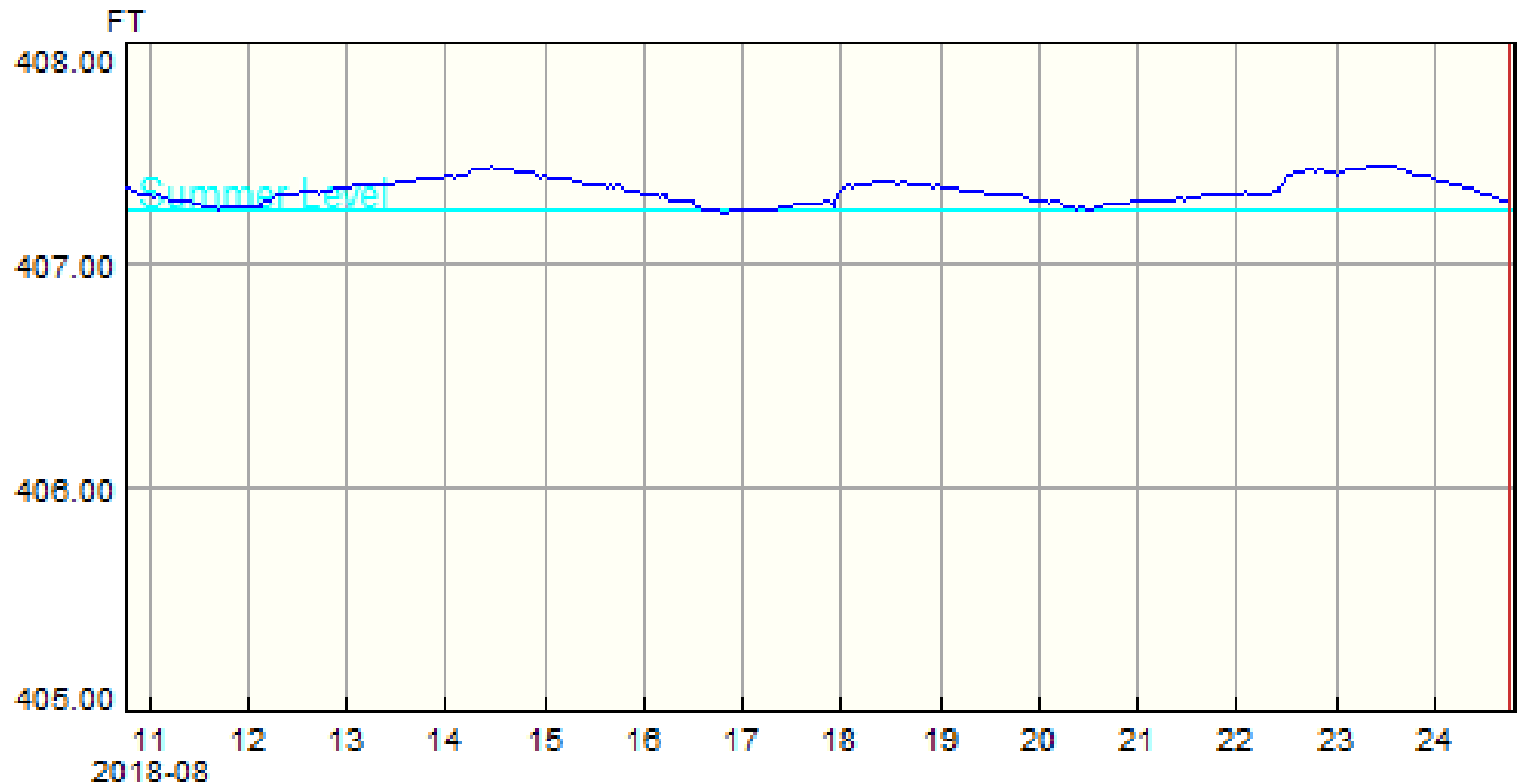
Created at 08/24/2018 18:00



DAILY PRECIPITATION TOTAL (12am to 12 am)

OSSIPEE LAKE ELEVATION [FT]

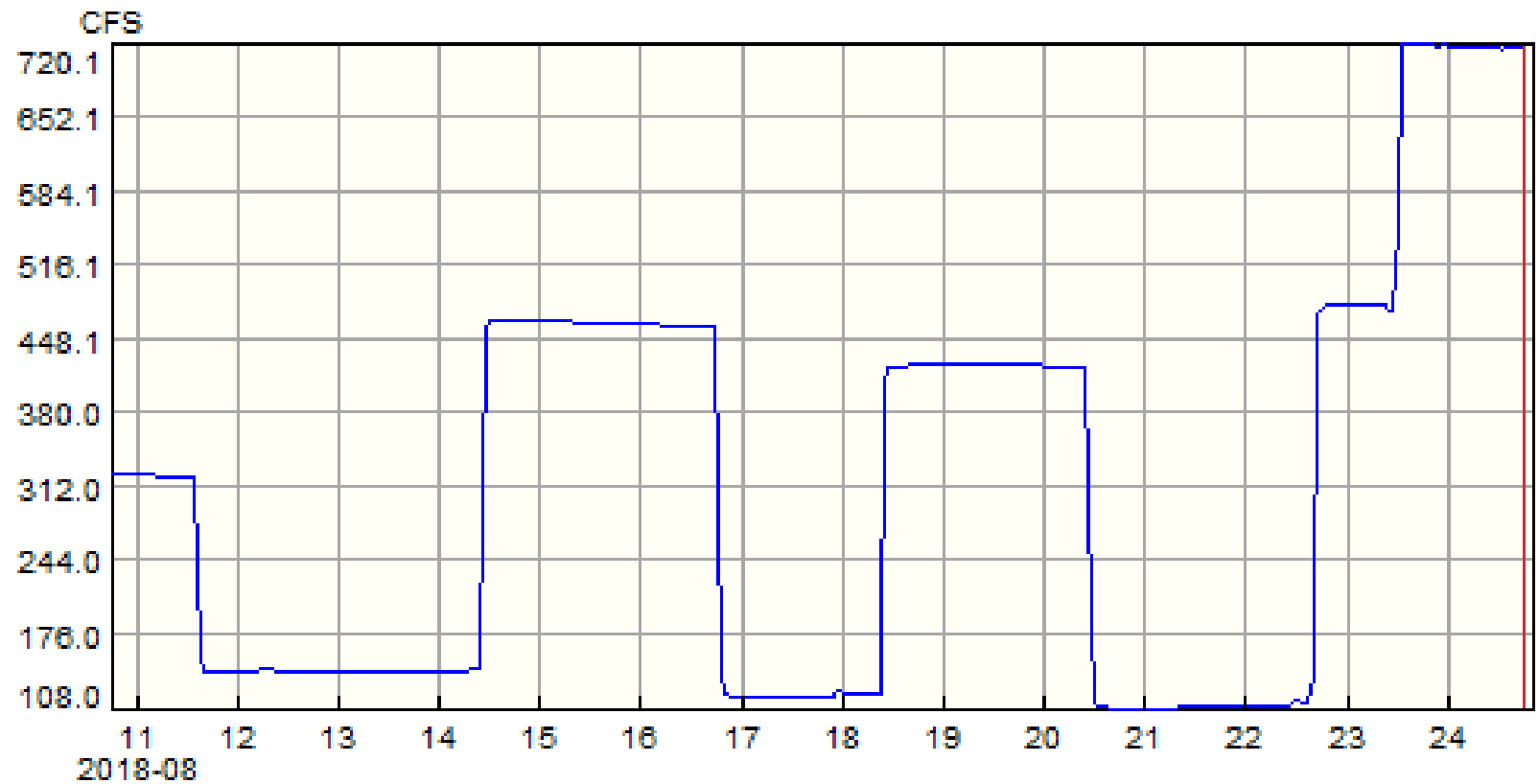
Created at 08/24/2018 18:00



— OBSERVED LAKE ELEVATION

OSSIPEE RIVER FLOW [CFS]

Created at 08/24/2018 18:00



— OBSERVED RESERVOIR RELEASE

