

Appendix F

Draft Shoreline Management Plans

**RIPOGENUS HYDROELECTRIC PROJECT
(FERC NO. 2572)**

DRAFT SHORELINE MANAGEMENT PLAN

**GREAT LAKES HYDRO AMERICA, LLC
Millinocket, Maine**

July 2025

RIPOGENUS HYDROELECTRIC PROJECT (FERC NO. 2572)
DRAFT SHORELINE MANAGEMENT PLAN

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DRAFT Shoreline Management Plan

1.0 Introduction

Great Lakes Hydro America, LLC (“GLHA” or “Licensee”) is the Licensee of the Ripogenus Hydroelectric Project (FERC No. 2572) (“Ripogenus Project” or “Project”). The Project is located on the West Branch of the Penobscot River (West Branch) in Piscataquis and Penobscot Counties, Maine.

On October 22, 1996, FERC issued a new, 30-year license for the Project, which expires on September 30, 2026. GLHA is in the process of pursuing a new license from FERC for the continued operation and maintenance of the Project. On September 30, 2024, GLHA filed the Final License Application (FLA) for the continued operations and maintenance of the Project. In the FLA, GLHA proposed to continue to implement the Shoreline Management Plan (SMP) established for the Project under the 1996 license to be updated, as necessary, for continued implementation under the term of the new license to be issued by FERC.

This SMP is a comprehensive plan to manage the multiple resources and uses of the Project’s shorelines in a manner that is consistent with license requirements and Project purposes and addresses the needs of the public.

1.1 Overview of Ripogenus Project

The principal features of the Ripogenus Project include: 1) a 795-foot-long, concrete gravity dam; 2) a 3,850-foot-long tunnel; 3) a powerhouse, known as McKay Station, containing three turbine-generator units with an authorized installed capacity of 37.5 MW and a total hydraulic capacity of approximately 3,500 cubic feet per second (cfs); 4) a 20.8-mile-long impoundment (comprised of Ripogenus, Caribou, and Chesuncook Lakes and Black, Brandy, and Moose Ponds) having a normal full pond elevation of 941.59 feet (National Geodetic Vertical Datum 1929 [NGVD29]) with a surface area of 29,270 acres and Umbazooksus Lake with a surface area of 1,600 acres; 5) a 29.4-mile-long transmission line; and 6) a battery energy storage system.

Primary land uses within the Ripogenus Project boundary include hydroelectric generation and recreation-related activities (recreation sites). There are a limited number of roads in and around

the Ripogenus Project, all of which are unpaved. There are some seasonal camps on the Ripogenus impoundment, primarily off the Golden Road on the western side of the impoundment, but they are excluded from the Project boundary. Also excluded from the boundary is a small residential village on the northwestern end of the lake called Chesuncook Village. Project-related structures are limited to the areas around Ripogenus Dam and McKay Station.

1.2 Overview of Shoreline Management Plan

Prior to issuance of the 1996 FERC license, the designated Project boundary around the Ripogenus impoundment was at or near the normal full pond elevation. During relicensing of the Project in the 1990s, an expansion of the Project boundary along the impoundment shoreline to protect aesthetic resources, water quality, wildlife habitat, and recreational opportunity was discussed among FERC, the licensee, resource agencies, and stakeholders. FERC and the licensee agreed to expand the Ripogenus Project boundary 200 ft from the normal full pond elevation on licensee-owned lands excluding existing leased lots at Ripogenus Lake, Chesuncook Lake, Brandy Pond, and Black Pond. The FERC Project boundary, including the areas where the boundary is expanded 200 feet from the normal full pond elevation, is shown on the Exhibit G Project Boundary Maps provided in Attachment 1 of this SMP.

Pursuant to Article 414 of the 1996 license, the licensee developed a SMP for the lands that are within the expanded Project boundary. The SMP was filed with FERC on October 17, 1997 and approved by FERC via order issued January 4, 1999. A revised SMP was filed with FERC on September 26, 2001, which was approved by FERC via order issued April 2, 2002. The SMP and Exhibit G drawing were revised as the result of field surveys of the Project and associated facilities to identify the assets to be conveyed from the transfer of the license from Great Northern Paper to GNE, LLC.

In total, the 200-foot Shoreline Buffer Zone (within the Project boundary) protects approximately 73 miles of shoreline (62% of the 118 miles of shoreline at normal full pond elevation of 941.59 ft) around the Ripogenus impoundment encompassing approximately 1,815 acres of land. The Shoreline Buffer Zone (and Project boundary) excludes 12 lots on licensee-owned land around the Ripogenus impoundment consisting of 10 campsites managed by the Maine Department of Agriculture, Conservation & Forestry, Bureau of Parks and Lands (BP&L) and 2

campsites leased to a private organization under a previous land management agreement. Additionally, the 200-foot expanded Project boundary applies to islands within the Ripogenus impoundment with the exceptions of Mauser Island (leased to the State of Maine) and all islands within Caribou Lake.

Within the 200-foot Shoreline Buffer Zone, the SMP generally requires a 200-foot building setback (Building Setback Zone) and a 100-foot vegetative buffer (Vegetative Buffer Zone), within which no timber harvesting can occur.

In addition to the lands within the 200-foot expanded Project boundary, there are also three areas within the Ripogenus Project boundary identified as Reserved Recreation Areas 1, 2, and 3 that are reserved for potential future recreation use/development (see Exhibit G drawings provided in Attachment 1). This SMP applies to these areas within the FERC Project boundary.

In addition to the 200-foot Shoreline Buffer Zone around portions of the Ripogenus impoundment, a permanent conservation easement with the State of Maine was established on licensee-owned shoreline lands within 250 feet of the normal full pond elevation of Chesuncook and Ripogenus Lakes and Brandy and Black Ponds. In total, the easement covers approximately 2,365 acres of shorefront land owned by the licensee. The conservation easement is generally for the same licensee-owned shoreline lands within the 200-foot expanded boundary, except that the conservation easement extends an additional 50 feet beyond the 200-foot expanded Project boundary. Additionally, certain campsite areas leased by the State of Maine and excluded from the Project boundary are included within the conservation easement. This SMP incorporates the provisions of the conservation easement for areas within the FERC Project boundary, a copy of which is provided in Attachment 2.

1.3 Shoreline Management Plan Objectives

The overall objectives of the Shoreline Management Plan are:

- To protect water quality for present and potential uses, including hydroelectric power generation consistent with the terms of the FERC license, and including public access to Project lands and the impoundment;

- To prohibit additional commercial and residential structures within 200 feet of the normal full pond elevation on the easement lands except as set forth in the conservation easement and in this SMP;
- To prohibit timber harvesting within 100 feet of the normal full pond elevation (within the Vegetative Buffer Zone) on Project lands and to describe how forest management activities will be conducted, including timber harvesting, on lands outside of the 100-foot Vegetative Buffer Zone;
- To grant the State of Maine the continued ability to manage recreational activity on the conservation easement lands, including the right to erect structures as necessary and appropriate to manage such recreational activity, while reserving GLHA the responsibility for ensuring that FERC license requirements, including the standard land use article, are met; and
- To provide for the continued protection of the natural resource and recreational values of these areas consistent with the land use activities described in this SMP and allowed under the FERC license.

The SMP also includes procedures for complying with the buffer zone requirements and provisions for enforcement. The SMP makes it clear that, in all cases, in addition to complying with the requirements of the SMP, any land management or development activities undertaken on Project lands must also be allowable under and in conformance with the standard land use article and other provisions of the FERC license to be issued for the Project.

2.0 Shoreline Buffer Zone

Within the expanded Project boundary around Chesuncook and Ripogenus Lakes and Brandy and Black Ponds, there are two buffer zones: a 200-foot building setback and a 100-foot vegetative buffer.

Additionally, this SMP incorporates the provisions of the lands subject to the permanent conservation easement, which includes the lands subject to the 200-foot expanded Project

boundary from the normal full pond elevation on licensee-owned lands around Chesuncook and Ripogenus Lakes and Brandy and Black Ponds.

The Shoreline Buffer Zone (and Project boundary) excludes 12 lots on licensee-owned lands around the Ripogenus impoundment consisting of 10 campsites managed by the BP&L and 2 campsites leased to a private organization under a previous land management agreement. Additionally, the 200-foot expanded Project boundary applies to islands within Ripogenus impoundment with the exceptions of Mauser Island (leased to the State of Maine) and all islands within Caribou Lake.

2.1 Building Setback Buffer Zone

The Building Setback Buffer Zone includes lands within the 200-foot expanded Project boundary where additional commercial and residential development is prohibited, unless allowed by the FERC license. Additionally, per the conservation easement, additional commercial and residential development is prohibited on lands subject to the conservation easement unless expressly set forth in the easement.

Through granting of the conservation easement, the licensee gave up the right to develop for commercial or residential purposes the land it owns within 250 feet of the normal full pond elevation on Chesuncook and Ripogenus Lakes and Brandy and Black Ponds, except as specifically allowed under the FERC license and the easement. The conservation easement also granted the State of Maine the ability to manage recreation activities on these lands consistent with the requirements of the FERC license. Although additional development is prohibited, the State of Maine may seek to enter into a lease with the licensee to allow for construction of certain administrative structures for the purpose of management of recreational use on conservation easement lands, but only if such structures are allowed under the FERC license.¹ Other structures and uses are allowed only if they meet the requirements of FERC's standard land use article and otherwise comply with federal, state or local law.

¹ The easement and this SMP also allow the licensee to maintain, rebuild and/or repair existing structures during the term of the license.

GLHA, with FERC's oversight, will remain responsible for controlling the amount, type and location of any structures and activities on Project lands in accordance with this SMP.

2.2 Vegetative Buffer Zone

GLHA will continue to maintain a 100-foot Vegetative Buffer Zone (100 feet from the normal full pond elevation) within the 200-foot expanded Project boundary areas around Chesuncook and Ripogenus Lakes and Brandy and Black Ponds. Within this zone, timber harvesting will not be conducted. While no timber harvesting is allowed within the Vegetative Buffer Zone, minimal tree and brush clearing to allow for the structures and activities otherwise permitted under the FERC license, the conservation easement, and this SMP will be permitted.

3.0 Standard Land Use Article

Upon issuance of the new license for the Project, this SMP will be updated to incorporate the provisions of the standard land use article and how GLHA will comply with the provisions of the article.

4.0 Shoreline Management Program and Enforcement

To ensure that the requirements of the FERC license and this SMP are met, GLHA will implement the Shoreline Management Program described in detail below to manage the amount, type and location of uses and structures on Project lands. The general program elements are as follows.

When a non-project use of Project lands and waters is proposed within the Project boundary, either by GLHA or another entity, GLHA will review the proposal and the proposed site to determine whether the structure or activity is appropriate for the location. A particular activity may or may not be considered appropriate for any given location based on a variety of site-specific or more general factors. If GLHA determines that the proposed activity or structure is appropriate for a given location, GLHA would then determine whether it is allowable under the FERC license and this SMP. If the proposal is of the type that requires GLHA to notify FERC or to obtain prior approval from FERC per the standard land use article, then GLHA will be responsible for ensuring that such notification is properly and timely made, and that any necessary FERC approval is obtained.

Once GLHA has reviewed the proposal and obtained necessary FERC approval, GLHA will allow the use to proceed provided that certain requirements are met. Requirements may vary depending on the type of project involved, but in each case, GLHA will require that, prior to the start of any construction, all necessary federal, state or local permits or approvals be obtained and, for non-project uses undertaken by others, that notification is provided to GLHA that all such approvals have been obtained.

GLHA will also require that notification be provided when construction or installation of the non-project use or facility is completed and, for uses undertaken by others, that they certify that the work has been completed in accordance with any applicable laws, permits, or approvals. GLHA will then review each site to ensure that all program requirements and FERC license requirements have been met.

If at any time GLHA becomes aware that any such structure or activity is in violation of GLHA's SMP, the FERC license, the conservation easement, or other applicable law, GLHA will take appropriate actions to promptly address such violations, which may include:

- Notification to the grantee of non-compliance with GLHA requirements or federal, state, or local laws;
- Withdrawal of permission to continue activity on GLHA lands (e.g., cancellation of lease, termination of contract); or
- Notification to appropriate federal, state or local agencies of possible violations.

5.0 Shoreline Management Program: Allowed Non-Project Uses and Conditions on Project Lands

GLHA will manage activities within the Project boundary in accordance with the Shoreline Management Program described herein, which is designed to comply with the terms of GLHA's FERC license, the conservation easement (provided in Attachment 2), and this SMP. GLHA retains the authority to grant permission for certain types of use and occupancy of Project lands and waters and to convey certain interests in Project lands provided that the requirements of the license are met. In the following sections, GLHA sets forth the program it will implement to manage allowable non-

Project uses of Project lands in compliance with FERC's requirement that such uses and occupancies be consistent with the protection and enhancement of the scenic, recreational, and other environmental values of the Project. As further described below, GLHA will retain the responsibility for supervising and controlling the uses and occupancies of all Project lands to ensure that FERC license requirements and requirements of this SMP are met.

GLHA has separated the major types of use that it anticipates will occur on Project lands and has included individual sections describing its plans for conducting and managing such uses. Those uses are: (1) public recreation and access; and (2) timber harvesting. In addition, GLHA has provided a description of how it will manage the development of these and other uses and structures on Project lands in accordance with what is allowed under FERC's standard land use article.

5.1 Major Land Uses Allowed on Project Lands

5.1.1 Recreation and Public Access

GLHA maintains a policy of open access to its lands. With the exception of Project lands on which there are Project facilities relating to the operation of the hydroelectric Project, lands within the Project boundary are open to the public for recreation and will remain so, in accordance with the FERC license, unless particular areas need to be closed to the public for reasons of public safety, protection of property, safe management of the land for timber harvesting, or for other similar reasons not currently foreseen by GLHA.

Should it become necessary at any time during the license term for GLHA to repair, reconstruct or maintain existing recreational facilities within the Project boundary, the Project license and the conservation easement specifically provide that GLHA retain the right to do so, and FERC approval for such activities would not be required.

Under the terms of the new license, GLHA will remain responsible for maintaining public access and managing recreational use on Project lands. Through the conservation easement, however, GLHA will grant to the State of Maine the continued ability to manage recreational use within the easement lands (which includes lands within the Project boundary), subject to GLHA's -- and ultimately FERC's -- responsibility for ensuring compliance with the Project license.

The conservation easement reserves GLHA the right to do whatever the FERC license allows, consistent with the standard land use article and other applicable license provisions. Thus, while the conservation easement generally prohibits additional commercial and residential structures, it does allow for "administrative structures" constructed by the State for the purpose of managing public use of the easement lands provided those structures are allowed under the FERC license and are otherwise allowed by applicable law. Such structures include, without limitation, caretaker quarters, service or storage buildings, service or access roads, power or communication lines, sanitary stations or privies, gates, entry contact stations, water taps, parking areas, directional signs, waste disposal areas, public campsites, public boat launching facilities, public access sites and public picnic areas.

Should the State determine that additional administrative structures are appropriate for managing public use, then the conservation easement requires that the State notify GLHA and seek to enter into a lease for the land that would be involved. At the time the State notifies GLHA that it seeks to enter into a lease for a proposed administrative structure, GLHA will review the proposal to determine the appropriateness and need for such a structure and will determine if the structure can be erected in compliance with the FERC license. GLHA will be responsible for compliance with applicable requirements of the FERC license prior to entering into a lease with the State.

5.1.2 Timber Harvesting

The conservation easement retains the right to conduct timber harvesting and to construct roads on the easement lands. No timber harvesting rights are granted to the State. Although this right is retained for GLHA in the easement, for lands within the Project boundary, no timber harvesting will be conducted within the 100-foot Vegetative Buffer Zone. Timber harvesting will follow requirements applicable to timber harvesting on Project lands between 100 and 200 feet of the normal full pond elevation on lands within the Project boundary.

Consistent with GLHA practices on all of its lands, if GLHA plans to conduct harvesting activities on Project lands, it will first identify the requirements that govern harvesting practices on those lands, including the requirements of this SMP, the conservation easement, and applicable state laws. Written management plans will be prepared describing areas to be harvested, the type of harvesting method to be used, the volumes of wood to be removed, and measures to be used to protect sensitive areas, including the 100-foot Vegetative Buffer Zone.

Where necessary, vegetative buffer zones will be marked by flagging or painting the boundary line.

5.2 Structures and Uses Allowed Under Standard Land Use Article

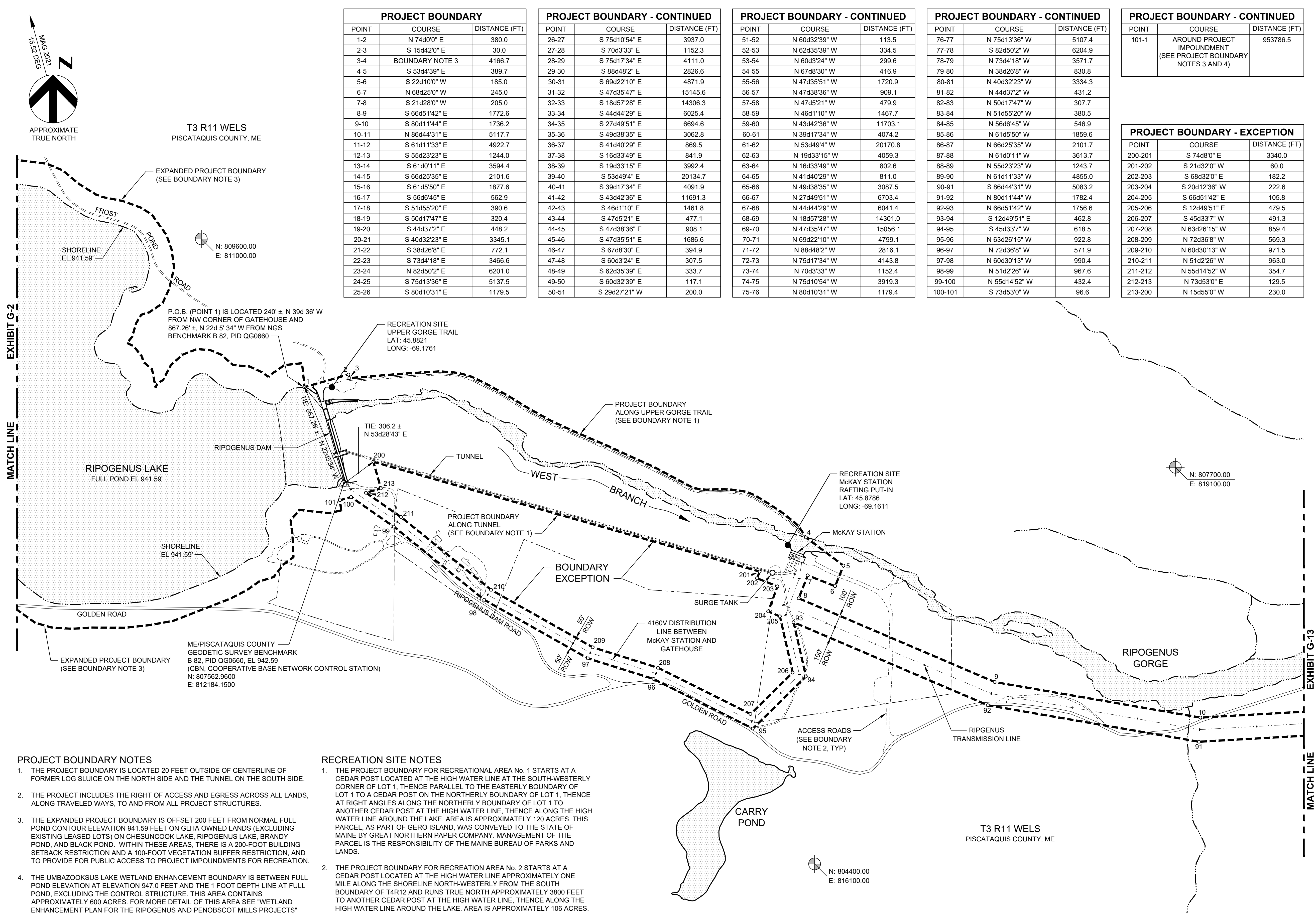
GLHA retains the right under its FERC license and the conservation easement to allow certain specific uses of Project lands and water consistent with the standard land use article in the FERC license. As indicated in Section 3 above, GLHA will implement this SMP to comply with the requirements of the standard land use article relating to structures and uses.

6.0 Hydroelectric and Associated Facilities

This SMP and the conservation easement specifically reserve to GLHA the right to operate and maintain Project hydroelectric and associated facilities and to conduct all activities necessary to ensure compliance with the Project's FERC license. The conservation easement also reserves GLHA the right to construct or maintain any structures required by any federal, state or local governmental body.

ATTACHMENT 1

EXHIBIT G PROJECT BOUNDARY DRAWINGS



PROJECT BOUNDARY NOTES

- THE PROJECT BOUNDARY IS LOCATED 20 FEET OUTSIDE OF CENTERLINE OF FORMER LOG SLUICE ON THE NORTH SIDE AND THE TUNNEL ON THE SOUTH SIDE.
- THE PROJECT INCLUDES THE RIGHT OF ACCESS AND EGRESS ACROSS ALL LANDS, ALONG TRAVELED WAYS, TO AND FROM ALL PROJECT STRUCTURES.
- THE EXPANDED PROJECT BOUNDARY IS OFFSET 200 FEET FROM NORMAL FULL POND CONTOUR ELEVATION 941.59 FEET ON GLHA OWNED LANDS (EXCLUDING EXISTING LEASED LOTS) ON CHESUNCOOK LAKE, RIPOGENUS LAKE, BRANDY POND, AND BLACK POND. WITHIN THESE AREAS, THERE IS A 200-FOOT BUILDING SETBACK RESTRICTION AND A 100-FOOT VEGETATION BUFFER RESTRICTION, AND TO PROVIDE FOR PUBLIC ACCESS TO PROJECT IMPOUNDMENTS FOR RECREATION.
- THE UMBAZOOKSUS LAKE WETLAND ENHANCEMENT BOUNDARY IS BETWEEN FULL POND ELEVATION AT ELEVATION 947.0 FEET AND THE 1 FOOT DEPTH LINE AT FULL POND, EXCLUDING THE CONTROL STRUCTURE. THIS AREA CONTAINS APPROXIMATELY 600 ACRES. FOR MORE DETAIL OF THIS AREA SEE "WETLAND ENHANCEMENT PLAN FOR THE RIPOGENUS AND PENOBSCOT MILLS PROJECTS" FERC NUMBERS 2572 AND 2458, PREPARED BY DE&S FOR GREAT NORTHERN PAPER COMPANY, DATED OCTOBER 1997.
- THE PROJECT BOUNDARY FOR THE PROJECT IMPOUNDMENT IS CONTOUR ELEVATION 941.59 FEET UNLESS OTHERWISE NOTED.

PROJECT RECREATION SITE TABLE		
DESCRIPTION	LATITUDE	LONGITUDE
RESERVED RECREATION AREA No. 1 ★	46.0558	-69.3785
RESERVED RECREATION AREA No. 2 ★	45.9545	-69.3244
RESERVED RECREATION AREA No. 3 ★	45.8909	-69.3150
CARIBOU LAKE PUT-IN	45.8370	-69.3140
CHESUNCOOK DAM BOAT LAUNCH	45.8842	-69.2310
McKAY STATION RAFTING PUT-IN	45.8786	-69.1611
UPPER GORGE TRAIL	45.8821	-69.1761

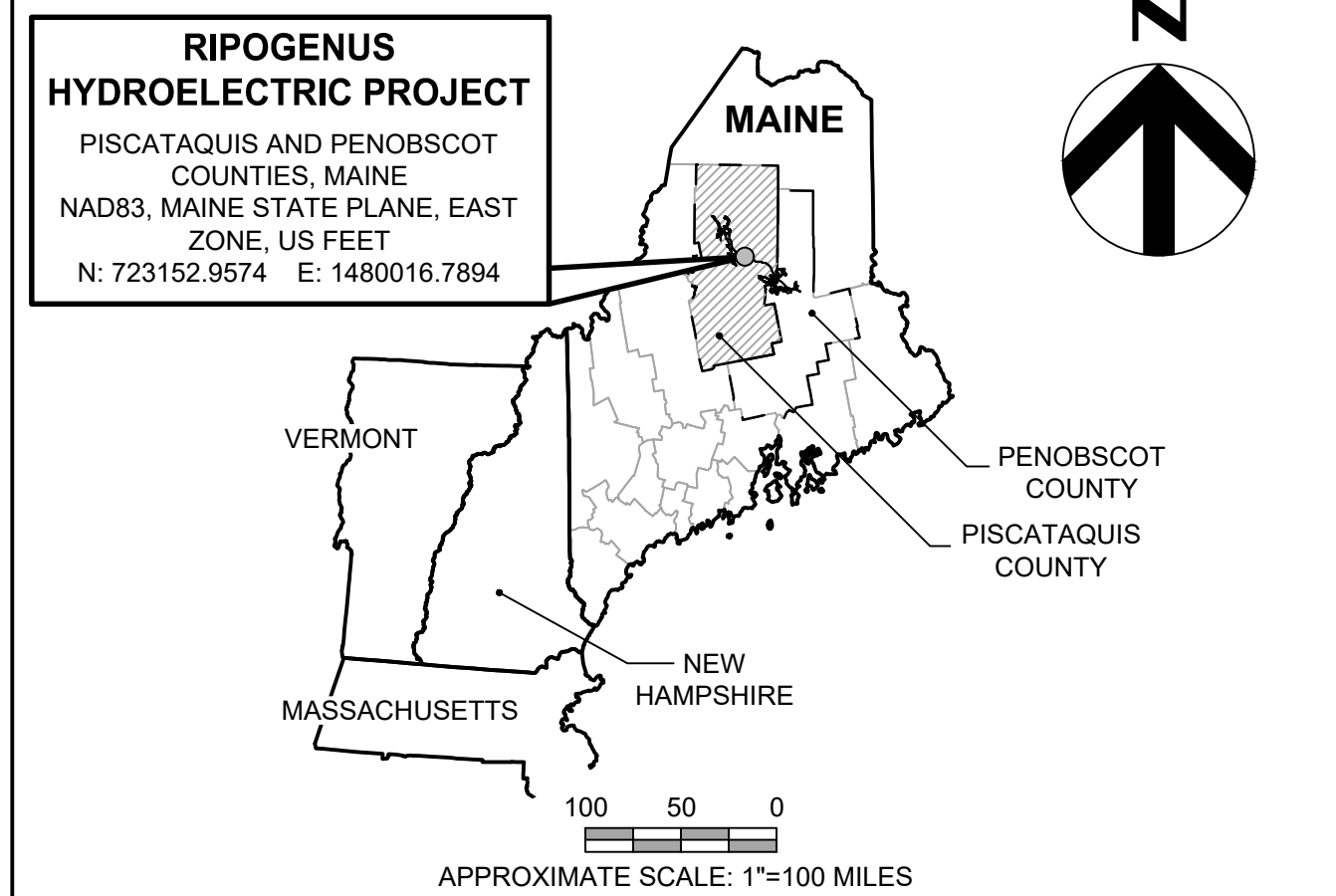
COORDINATE SYSTEM: WGS84

★ RECREATION AREA NO. 1, 2 AND 3 ARE LANDS RESERVED FOR RECREATION USE.

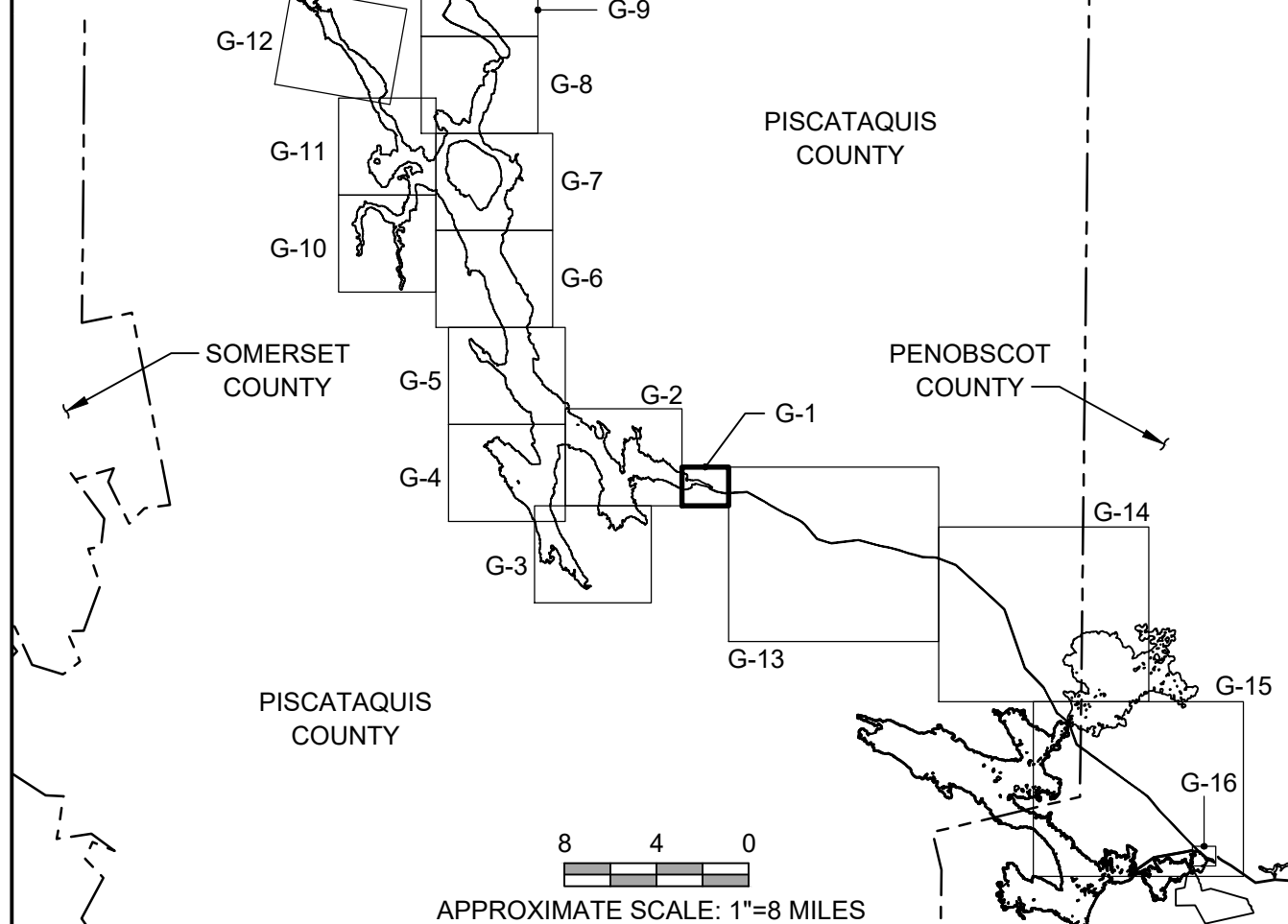
RECREATION SITE NOTES

- THE PROJECT BOUNDARY FOR RECREATIONAL AREA No. 1 STARTS AT A CEDAR POST LOCATED AT THE HIGH WATER LINE AT THE SOUTH-WESTERLY CORNER OF LOT 1, THENCE PARALLEL TO THE EASTERLY BOUNDARY OF LOT 1 TO A CEDAR POST ON THE NORTHERLY BOUNDARY OF LOT 1, THENCE AT RIGHT ANGLES ALONG THE NORTHERLY BOUNDARY OF LOT 1 TO ANOTHER CEDAR POST AT THE HIGH WATER LINE, THENCE ALONG THE HIGH WATER LINE AROUND THE LAKE. AREA IS APPROXIMATELY 120 ACRES. THIS PARCEL, AS PART OF GERO ISLAND, WAS CONVEYED TO THE STATE OF MAINE BY GREAT NORTHERN PAPER COMPANY. MANAGEMENT OF THE PARCEL IS THE RESPONSIBILITY OF THE MAINE BUREAU OF PARKS AND LANDS.
- THE PROJECT BOUNDARY FOR RECREATION AREA No. 2 STARTS AT A CEDAR POST LOCATED AT THE HIGH WATER LINE APPROXIMATELY ONE MILE ALONG THE SHORELINE NORTH-WESTERLY FROM THE SOUTH BOUNDARY OF T4R12 AND RUNS TRUE NORTH APPROXIMATELY 3800 FEET TO ANOTHER CEDAR POST AT THE HIGH WATER LINE, THENCE ALONG THE HIGH WATER LINE AROUND THE LAKE. AREA IS APPROXIMATELY 106 ACRES.
- THE PROJECT BOUNDARY FOR RECREATION AREA No. 3 STARTS AT A CEDAR POST LOCATED AT THE HIGH WATER LINE APPROXIMATELY 500 FEET NORTH-WESTERLY ALONG THE SHORELINE FROM THE LINE BETWEEN T3R12 AND T3R13, THENCE DUE EAST TO ANOTHER CEDAR POST ON THE HIGH WATER LINE, THENCE BY HIGH WATER LINE AROUND THE LAKE. AREA IS APPROXIMATELY 43 ACRES AND EXCLUDES ONE LEASE.

PROJECT LOCATION MAP



MAP KEY



PROJECT BOUNDARY TIE DATA

THE PROJECT BOUNDARY IS TIED TO ME/PISCATAQUIS COUNTY GEODETIC SURVEY BENCHMARK B 82, PID QG0660 (CBN, CONTROL BASE NETWORK CONTROL STATION)
N: 807562.9600, E: 812184.1500

TIE POINT 1 (P.O.B. RIPOGENUS DAM): 867.26' ±, N 22d5°34" W, EXHIBIT G-1

REFERENCE COORDINATE METADATA

PROJECTION - MAINE STATE PLANE
DATUM - NAD83
ZONE - EAST
UNITS - U.S. FOOT

VERTICAL DATUM - NGVD29
(NATIONAL GEODETIC VERTICAL DATUM OF 1929)

GEOREFERENCE SOURCE DATA

DIGITIZED DATA: © 2024 MICROSOFT CORPORATION EARTHSTAR GEOGRAPHICS SIO

LIDAR ELEVATION DATA: U.S. GEOLOGICAL SURVEY, 20190501, USGS LIDAR POINT CLOUD ME EASTERN B1 LAS 2017, US GEOLOGICAL SURVEY.

PROPERTY DATA: MAINE GEOLIBRARY, JULY 2024, <https://www.maine.gov/geolib/catalog.html>
MAINE PARCELS UNORGANIZED TERRITORY

BOUNDARY DATA: FERC EXHIBIT G, GREAT NORTHERN PAPER, INC. RIPOGENUS PROJECT BOUNDARY MAPS, APRIL 4, 2002.

GENERAL NOTES

- THE LICENSEE EITHER OWNS IN SIMPLE FEE OR POSSESSES FLOWAGE EASEMENTS OVER ALL LANDS WITHIN THE PROJECT BOUNDARY REQUIRED TO OPERATE THE FACILITY.

SURVEYORS STATEMENT

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



EXHIBIT G-1

SHEET 1 OF 16

RIPOGENUS HYDROELECTRIC PROJECT
MAINE
PROJECT BOUNDARY MAP



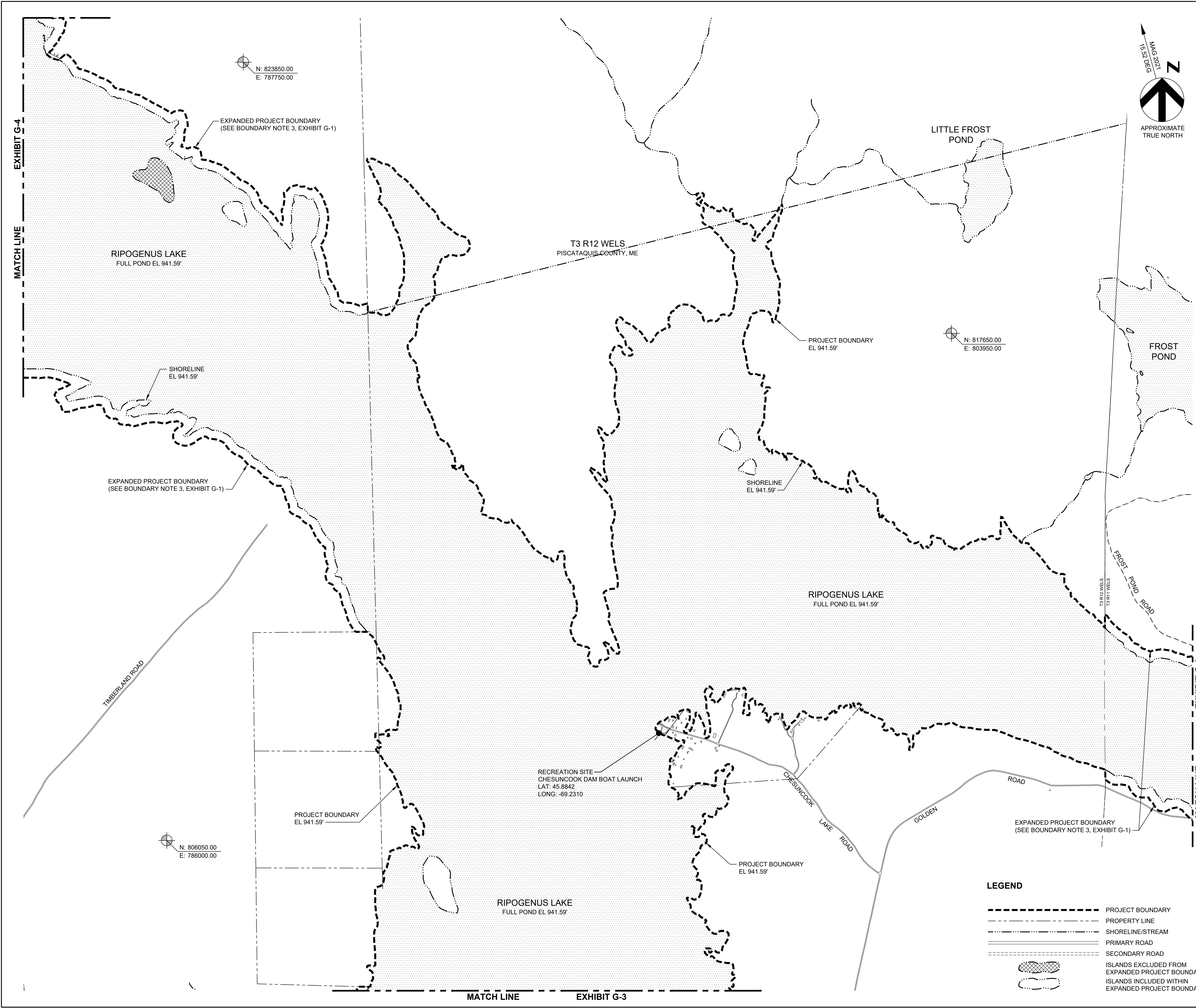
GREAT LAKES HYDRO AMERICA, LLC., MAINE - FERC No. 2572

DATE: SEPTEMBER 2024 SCALE: 1"=400' APPROVED: PENDING

LEGEND

- PROJECT BOUNDARY POINT NUMBER
- PROJECT BOUNDARY
- PROPERTY LINE
- SHORELINE/STREAM
- PRIMARY ROAD
- SECONDARY ROAD

CAD FILENAME: P-2572-XXXX G-2, PROJECT BOUNDARY MAP MM-DD-YYYY.DWG



PROJECT LOCATION MAP

RIOGENUS
HYDROELECTRIC PROJECT

PISCATAQUIS AND PENOBSCOT
COUNTIES, MAINE

NAD83, MAINE STATE PLANE, EAST
ZONE, US FEET

N: 723152.9574 E: 1480016.7894

MAINE

VERMONT

MASSACHUSETTS

NEW HAMPSHIRE

PENOBSCOT COUNTY

PISCATAQUIS COUNTY

100 50 0

APPROXIMATE SCALE: 1"=100 MILES

MAP KEY

G-12

G-11

G-10

G-9

G-8

G-7

G-6

G-5

G-4

G-3

G-2

G-1

G-14

G-13

G-15

G-16

SOMERSET COUNTY

PISCATAQUIS COUNTY

PENOBSCOT COUNTY

8 4 0

APPROXIMATE SCALE: 1"=8 MILES

PROJECT BOUNDARY TIE DATA

THE PROJECT BOUNDARY IS TIED TO ME/PISCATAQUIS COUNTY GEODETIC SURVEY BENCHMARK
B 82, PID QG0660 (CBN, CONTROL BASE NETWORK CONTROL STATION)
N: 807562.9600, E: 812164.1500

TIE POINT 1 (P.O.B. RIOGENUS DAM): 867.26' ±, N 22d5'34" W, EXHIBIT G-1

REFERENCE COORDINATE METADATA

PROJECTION - MAINE STATE PLANE
DATUM - NAD83
ZONE - EAST
UNITS - U.S. FOOT

VERTICAL DATUM - NGVD29
(NATIONAL GEODETIC VERTICAL DATUM OF 1929)

GEOREFERENCE SOURCE DATA

DIGITIZED DATA: © 2024 MICROSOFT CORPORATION EARTHSTAR GEOGRAPHICS SIO

LIDAR ELEVATION DATA: U.S. GEOLOGICAL SURVEY, 20190501, USGS LIDAR POINT CLOUD ME
EASTERN B1 LAS 2017, US GEOLOGICAL SURVEY.

PROPERTY DATA: MAINE GEOLIBRARY, JULY 2024, <https://www.maine.gov/geolib/catalog.html>
MAINE PARCELS UNORGANIZED TERRITORY

BOUNDARY DATA: FERC EXHIBIT G, GREAT NORTHERN PAPER, INC. RIOGENUS PROJECT
BOUNDARY MAPS, APRIL 4, 2002.

GENERAL NOTES

1. THE LICENSEE EITHER OWNS IN SIMPLE FEE OR POSSESSES FLOWAGE EASEMENTS OVER ALL
LANDS WITHIN THE PROJECT BOUNDARY REQUIRED TO OPERATE THE FACILITY.

2. SEE EXHIBIT G-1 FOR PROJECT BOUNDARY TABLES AND COMPLETE RECREATION SITE LIST.

SURVEYORS STATEMENT

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

STATE OF MAINE

STEPHEN
W.
EVERETT
2161

PROFESSIONAL
LAND SURVEYOR

EXHIBIT G-2

SHEET 2 OF 16

RIOGENUS HYDROELECTRIC PROJECT

MAINE

PROJECT BOUNDARY MAP

1000 500 0 1000 2000 3000 4000

GREAT LAKES HYDRO AMERICA, LLC., MAINE - FERC No. 2572

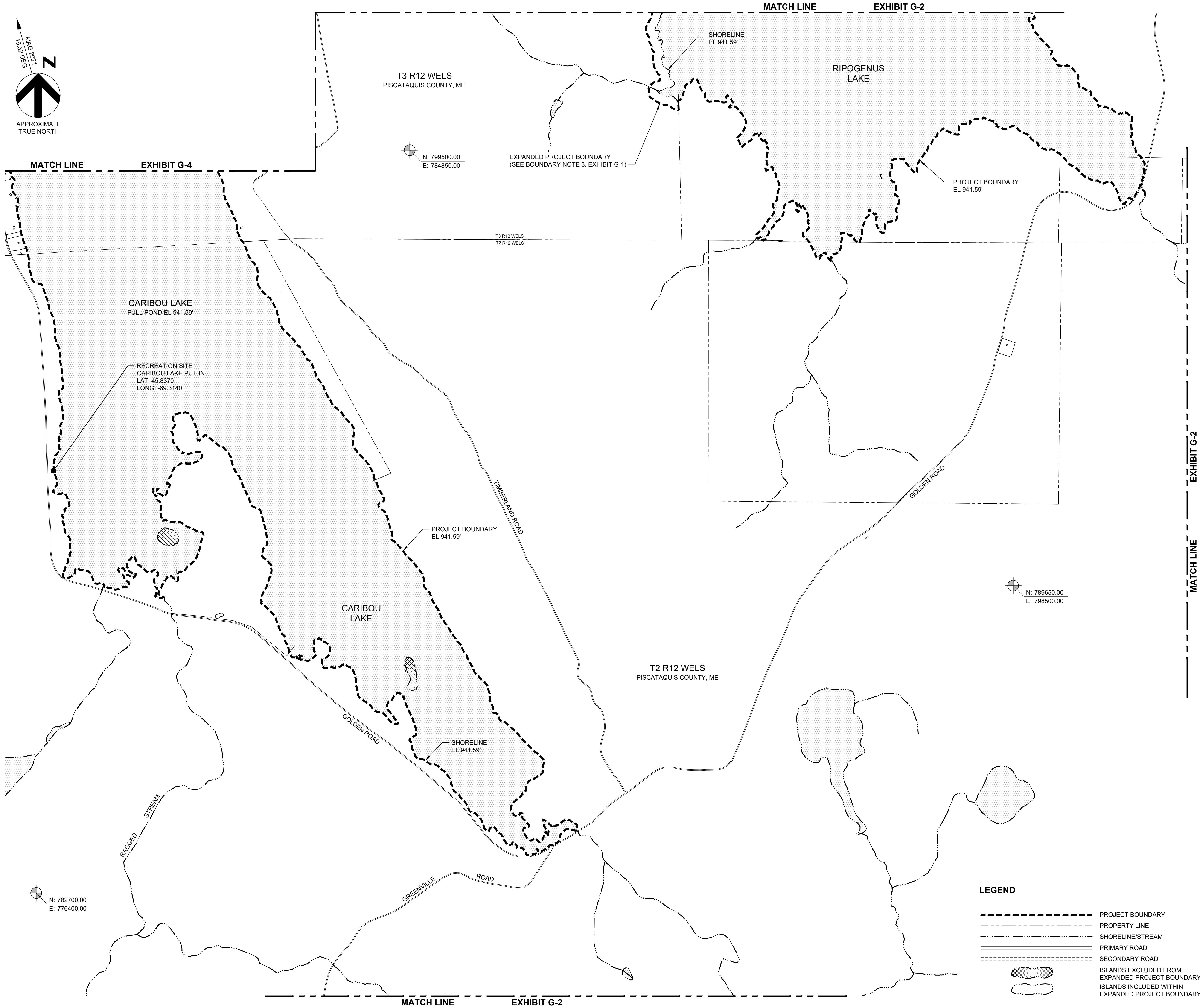
DATE: SEPTEMBER 2024

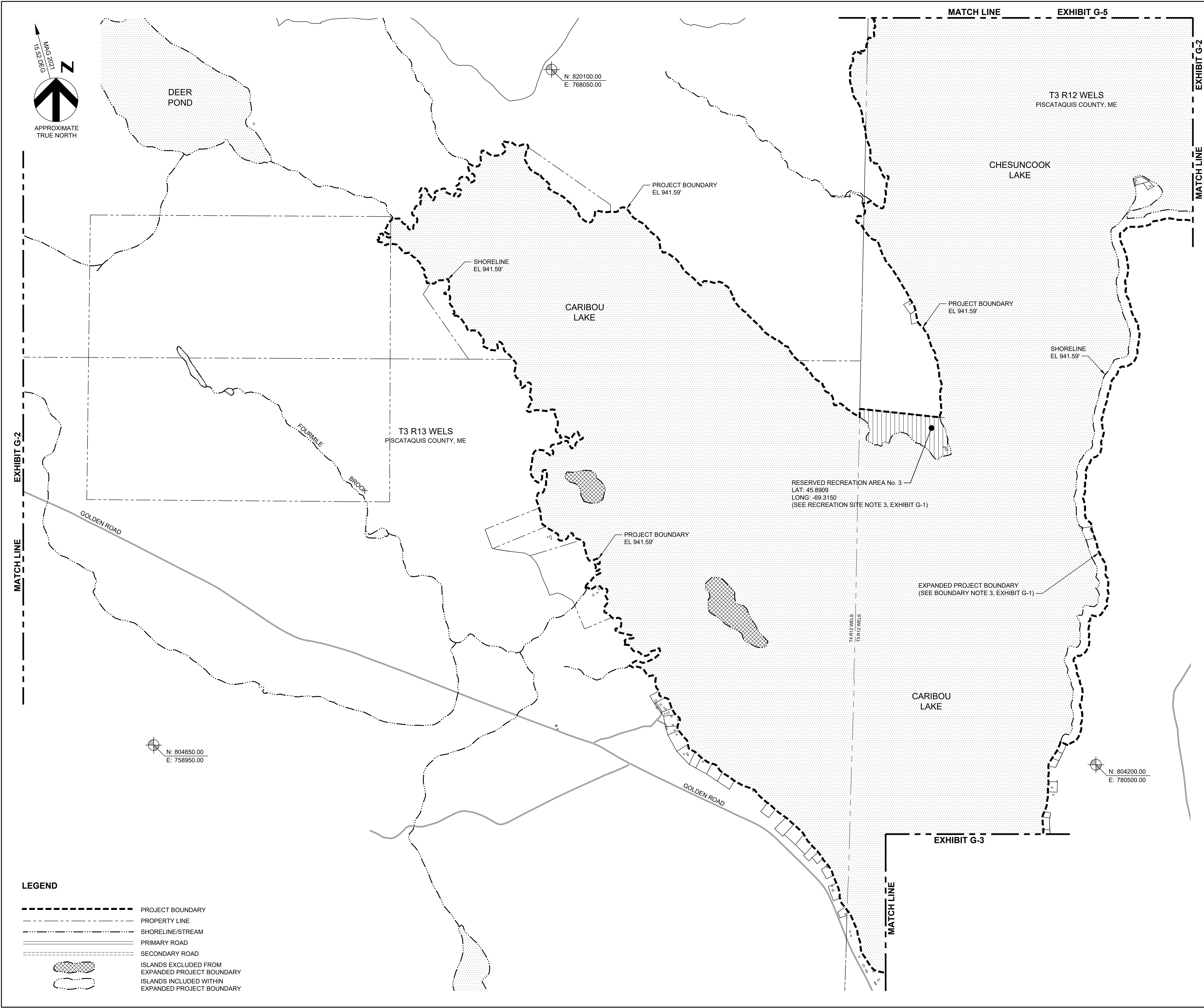
SCALE: 1"=1000'

APPROVED: PENDING

FERC NO. P-2572-XXXX

CAD FILENAME: P-2572-XXXX, G-3, PROJECT BOUNDARY MAP, MM-DD-YYYY.DWG





PROJECT LOCATION MAP

RIOGENUS HYDROELECTRIC PROJECT
PISCATAQUIS AND PENOBSCOT COUNTIES, MAINE
NAD83, MAINE STATE PLANE, EAST ZONE, US FEET
N: 723152.9574 E: 1480016.7894

VERMONT
MASSACHUSETTS
NEW HAMPSHIRE
PENOBSCOT COUNTY
PISCATAQUIS COUNTY

APPROXIMATE SCALE: 1"=100 MILES

MAP KEY

G-12
G-11
G-10
G-9
G-8
G-7
G-6
G-5
G-4
G-3
G-2
G-1
G-14
G-13
G-15
G-16

SOMERSET COUNTY
PISCATAQUIS COUNTY
PENOBSCOT COUNTY

APPROXIMATE SCALE: 1"=8 MILES

PROJECT BOUNDARY TIE DATA
THE PROJECT BOUNDARY IS TIED TO ME/PISCATAQUIS COUNTY GEODETIC SURVEY BENCHMARK B 82, PID QG0660 (CBN, CONTROL BASE NETWORK CONTROL STATION)
N: 807562.9600, E: 812164.1500

TIE POINT 1 (P.O.B. RIOGENUS DAM): 867.26' ±, N 22d5'34" W, EXHIBIT G-1

REFERENCE COORDINATE METADATA
PROJECTION - MAINE STATE PLANE
DATUM - NAD83
ZONE - EAST
UNITS - U.S. FOOT

VERTICAL DATUM - NGVD29
(NATIONAL GEODETIC VERTICAL DATUM OF 1929)

GEOREFERENCE SOURCE DATA
DIGITIZED DATA: © 2024 MICROSOFT CORPORATION EARTHSTAR GEOGRAPHICS SIO

LIDAR ELEVATION DATA: U.S. GEOLOGICAL SURVEY, 20190501, USGS LIDAR POINT CLOUD ME EASTERN B1 LAS 2017, US GEOLOGICAL SURVEY.

PROPERTY DATA: MAINE GEOLIBRARY, JULY 2024, <https://www.maine.gov/geolib/catalog.html>
MAINE PARCELS UNORGANIZED TERRITORY

BOUNDARY DATA: FERC EXHIBIT G, GREAT NORTHERN PAPER, INC. RIOGENUS PROJECT BOUNDARY MAPS, APRIL 4, 2002.

GENERAL NOTES

- THE LICENSEE EITHER OWNS IN SIMPLE FEE OR POSSESSES FLOWAGE EASEMENTS OVER ALL LANDS WITHIN THE PROJECT BOUNDARY REQUIRED TO OPERATE THE FACILITY.
- SEE EXHIBIT G-1 FOR PROJECT BOUNDARY TABLES AND COMPLETE RECREATION SITE LIST.

SURVEYORS STATEMENT

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

STATE OF MAINE
STEPHEN W. EVERETT
2161
PROFESSIONAL LAND SURVEYOR

EXHIBIT G-4 SHEET 4 OF 16

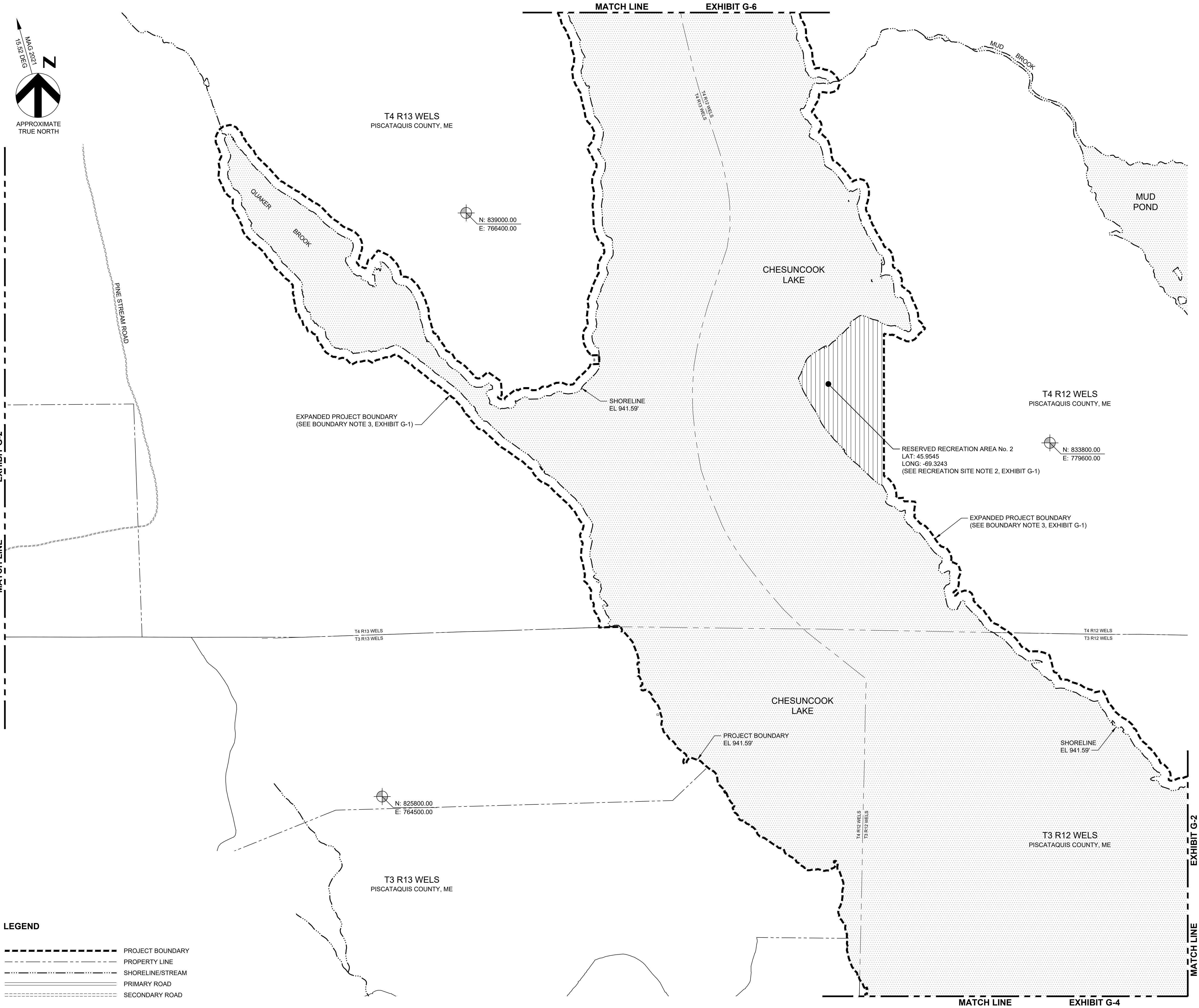
RIOGENUS HYDROELECTRIC PROJECT
MAINE
PROJECT BOUNDARY MAP

1000 500 0 1000 2000 3000 4000

GREAT LAKES HYDRO AMERICA, LLC., MAINE - FERC No. 2572

DATE: SEPTEMBER 2024	SCALE: 1"=1000'	APPROVED: PENDING
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CAD FILENAME: P-2572-XXXX, G-5, PROJECT BOUNDARY MAP, MM-DD-YYYY.DWG



PROJECT LOCATION MAP

RIPOGENUS HYDROELECTRIC PROJECT
PISCATAQUIS AND PENOBSCOT COUNTIES, MAINE
NAD83, MAINE STATE PLANE, EAST ZONE, US FEET
N: 723152.9574 E: 1480016.7894

MAP KEY

PROJECT BOUNDARY TIE DATA
THE PROJECT BOUNDARY IS TIED TO ME/PISCATAQUIS COUNTY GEODETIC SURVEY BENCHMARK B 82, PID QG06060 (CBN, CONTROL BASE NETWORK CONTROL STATION)
N: 807562.9600, E: 812184.1500

REFERENCE COORDINATE METADATA
PROJECTION - MAINE STATE PLANE
DATUM - NAD83
ZONE - EAST
UNITS - U.S. FOOT

GEOREFERENCE SOURCE DATA
DIGITIZED DATA: © 2024 MICROSOFT CORPORATION EARTHSTAR GEOGRAPHICS SIO

PROPERTY DATA: MAINE GEOLIBRARY, JULY 2024, <https://www.maine.gov/geolib/catalog.html>
MAINE PARCELS UNORGANIZED TERRITORY

BOUNDARY DATA: FERC EXHIBIT G, GREAT NORTHERN PAPER, INC. RIPOGENUS PROJECT BOUNDARY MAPS, APRIL 4, 2002.

GENERAL NOTES

- THE LICENSEE EITHER OWNS IN SIMPLE FEE OR POSSESSES FLOWAGE EASEMENTS OVER ALL LANDS WITHIN THE PROJECT BOUNDARY REQUIRED TO OPERATE THE FACILITY.
- SEE EXHIBIT G-1 FOR PROJECT BOUNDARY TABLES AND COMPLETE RECREATION SITE LIST.

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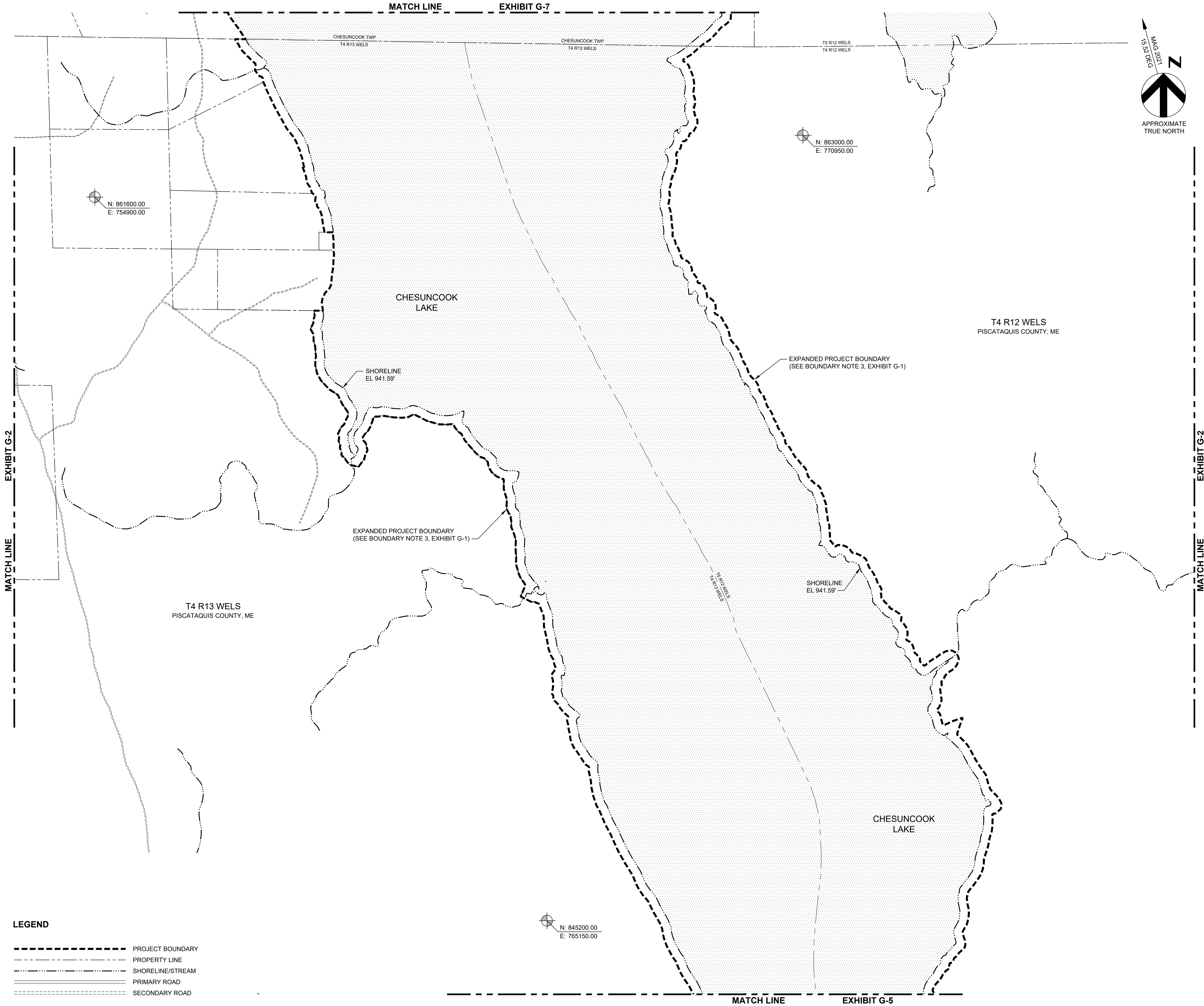
EXHIBIT G-5 SHEET 5 OF 16

RIPOGENUS HYDROELECTRIC PROJECT
MAINE
PROJECT BOUNDARY MAP

GREAT LAKES HYDRO AMERICA, LLC., MAINE - FERC No. 2572

DATE: SEPTEMBER 2024 **SCALE:** 1"=1000' **APPROVED:** PENDING

CAD FILENAME: P-2572-XXXX, G-6, PROJECT BOUNDARY MAP, MM-DD-YYYY.DWG

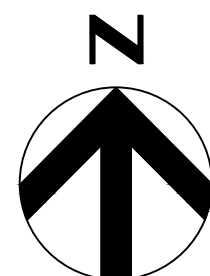


LEGEND

- PROJECT BOUNDARY
- PROPERTY LINE
- SHORELINE/STREAM
- PRIMARY ROAD
- SECONDARY ROAD

N: 845200.00
E: 765150.00

N: 863000.00
E: 770950.00



MATCH LINE EXHIBIT G-7

CHESUNCOOK TWP
T4 R13 WELS

CHESUNCOOK TWP
T4 R13 WELS

T5 R12 WELS
T4 R12 WELS

CHESUNCOOK LAKE

SHORELINE
EL 941.59'

EXPANDED PROJECT BOUNDARY
(SEE BOUNDARY NOTE 3, EXHIBIT G-1)

T4 R13 WELS
PISCATAQUIS COUNTY, ME

T4 R12 WELS
PISCATAQUIS COUNTY, ME

EXPANDED PROJECT BOUNDARY
(SEE BOUNDARY NOTE 3, EXHIBIT G-1)

SHORELINE
EL 941.59'

CHESUNCOOK LAKE

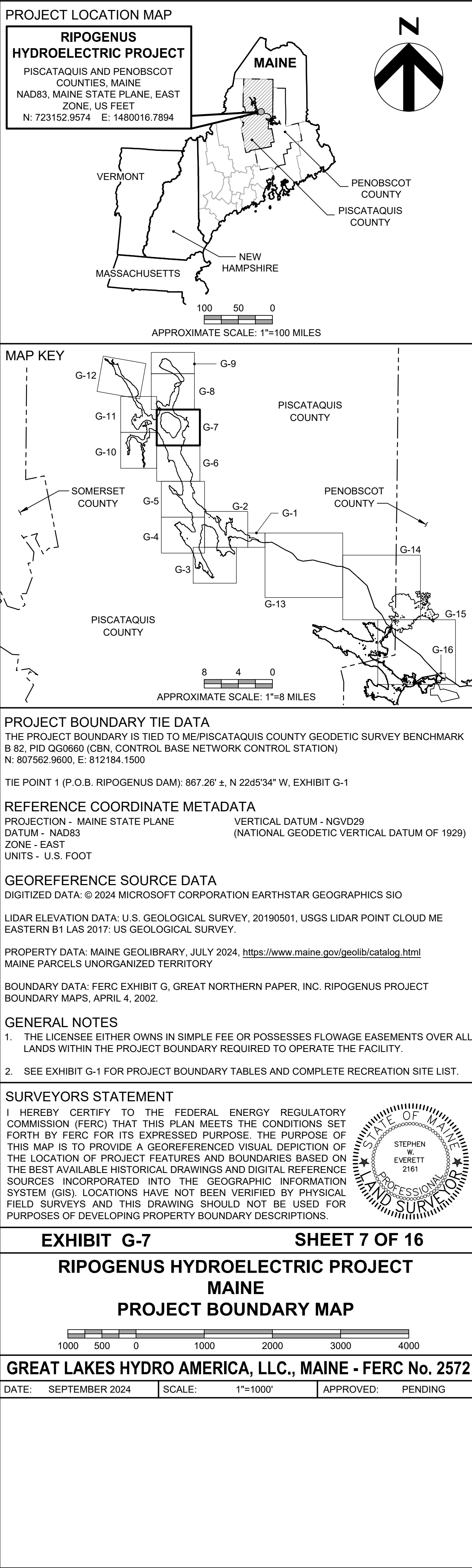
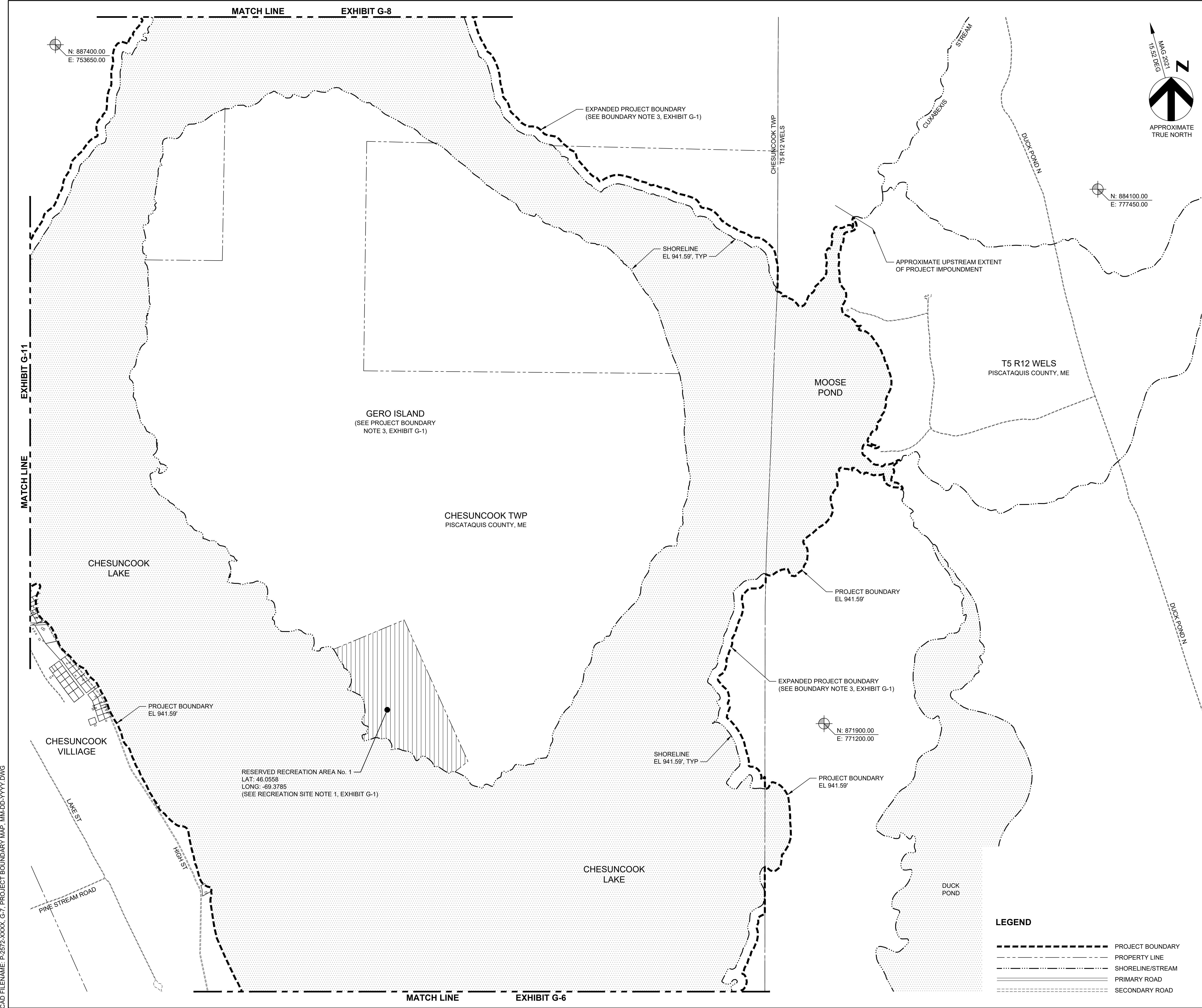
MATCH LINE EXHIBIT G-5

EXHIBIT G-2

EXHIBIT G-2

MATCH LINE

MATCH LINE



CAD FILENAME: P-2572-XXXX, G-8, PROJECT BOUNDARY MAP, MM-DD-YYYY.DWG



MATCH LINE EXHIBIT G-2

MATCH LINE

MATCH LINE

EXHIBIT G-9

UMBAZOOKSUS LAKE WETLAND ENHANCEMENT
PROJECT BOUNDARY EL 947.0'
(SEE BOUNDARY NOTE 4, EXHIBIT G-1)

UMBAZOOKSUS LAKE

UMBAZOOKSUS DAM
(NON-PROJECT, BOUNDARY NOTE 4, EXHIBIT G-1)

UMBAZOOKSUS
STREAM

APPROXIMATE UPSTREAM EXTENT
OF PROJECT IMPOUNDMENT

SHORELINE
EL 941.59', TYP

CHESUNCOOK
LAKE

EXPANDED PROJECT BOUNDARY
(SEE BOUNDARY NOTE 3, EXHIBIT G-1)

CHESUNCOOK TWP
PISCATAQUIS COUNTY, ME

SHORELINE
EL 941.59', TYP

CHESUNCOOK
LAKE

N: 889850.00
E: 764300.00

MATCH LINE

EXHIBIT G-7

GRAND MARCHE ROAD

LONGLEY STREAM ROAD

T6 R12 WELS
PISCATAQUIS COUNTY, ME

N: 899500.00
E: 773300.00

T5 R12 WELS
PISCATAQUIS COUNTY, ME

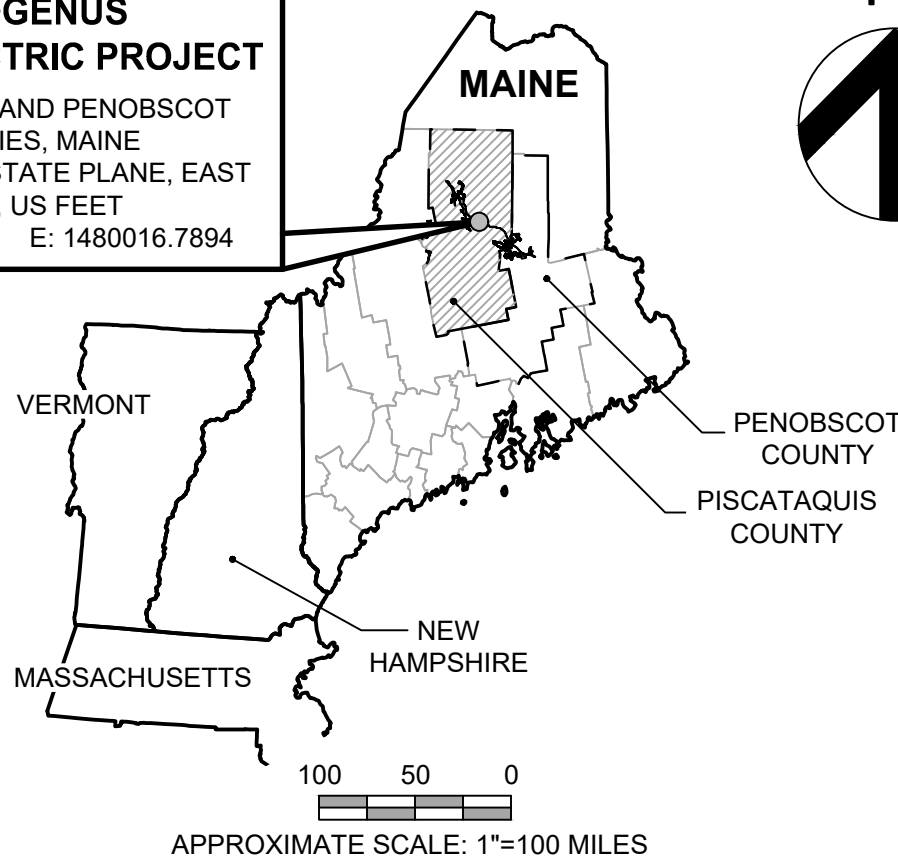
CUXABEXIS
LAKE

LEGEND

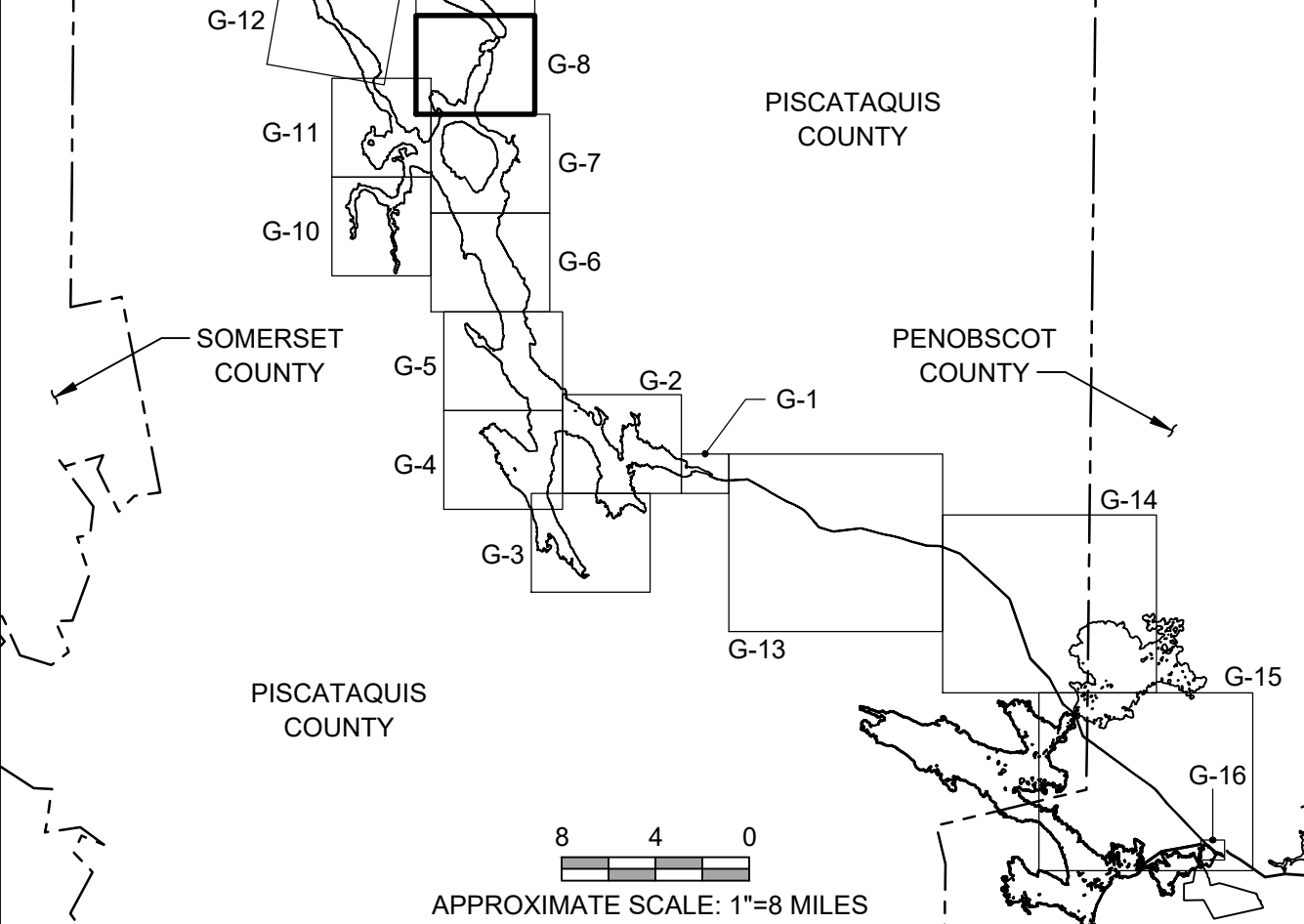
- PROJECT BOUNDARY
- PROPERTY LINE
- SHORELINE/STREAM
- PRIMARY ROAD
- SECONDARY ROAD

PROJECT LOCATION MAP

**RIPOGENUS
HYDROELECTRIC PROJECT**
PISCATAQUIS AND PENOBSCOT
COUNTIES, MAINE
NAD83, MAINE STATE PLANE, EAST
ZONE, US FEET
N: 723152.9574 E: 1480016.7894



MAP KEY



PROJECT BOUNDARY TIE DATA

THE PROJECT BOUNDARY IS TIED TO ME/PISCATAQUIS COUNTY GEODETIC SURVEY BENCHMARK
B 82, PID QG0660 (CBN, CONTROL BASE NETWORK CONTROL STATION)
N: 807562.9600, E: 812184.1500

TIE POINT 1 (P.O.B. RIPOGENUS DAM): 867.26' ±, N 22d5'34" W, EXHIBIT G-1

REFERENCE COORDINATE METADATA

PROJECTION - MAINE STATE PLANE VERTICAL DATUM - NGVD29
DATUM - NAD83 (NATIONAL GEODETIC VERTICAL DATUM OF 1929)
ZONE - EAST
UNITS - U.S. FOOT

GEOREFERENCE SOURCE DATA

DIGITIZED DATA: © 2024 MICROSOFT CORPORATION EARTHSTAR GEOGRAPHICS SIO

LIDAR ELEVATION DATA: U.S. GEOLOGICAL SURVEY, 20190501, USGS LIDAR POINT CLOUD ME
EASTERN B1 LAS 2017: US GEOLOGICAL SURVEY.

PROPERTY DATA: MAINE GEOLIBRARY, JULY 2024, <https://www.maine.gov/geolib/catalog.html>
MAINE PARCELS UNORGANIZED TERRITORY

BOUNDARY DATA: FERC EXHIBIT G, GREAT NORTHERN PAPER, INC. RIPOGENUS PROJECT
BOUNDARY MAPS, APRIL 4, 2002.

GENERAL NOTES

- THE LICENSEE EITHER OWNS IN SIMPLE FEE OR POSSESSES FLOWAGE EASEMENTS OVER ALL
LANDS WITHIN THE PROJECT BOUNDARY REQUIRED TO OPERATE THE FACILITY.
- SEE EXHIBIT G-1 FOR PROJECT BOUNDARY TABLES AND COMPLETE RECREATION SITE LIST.

SURVEYORS STATEMENT

I HEREBY CERTIFY TO THE FEDERAL ENERGY REGULATORY
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THE LOCATION OF PROJECT FEATURES AND BOUNDARIES BASED ON
THE BEST AVAILABLE HISTORICAL DRAWINGS AND DIGITAL REFERENCE
SOURCES INCORPORATED INTO THE GEOGRAPHIC INFORMATION
SYSTEM (GIS). LOCATIONS HAVE NOT BEEN VERIFIED BY PHYSICAL
FIELD SURVEYS AND THIS DRAWING SHOULD NOT BE USED FOR
PURPOSES OF DEVELOPING PROPERTY BOUNDARY DESCRIPTIONS.



EXHIBIT G-8

SHEET 8 OF 16

**RIPOGENUS HYDROELECTRIC PROJECT
MAINE
PROJECT BOUNDARY MAP**

1000 500 0 1000 2000 3000 4000

GREAT LAKES HYDRO AMERICA, LLC., MAINE - FERC No. 2572

DATE: SEPTEMBER 2024 SCALE: 1"=1000' APPROVED: PENDING

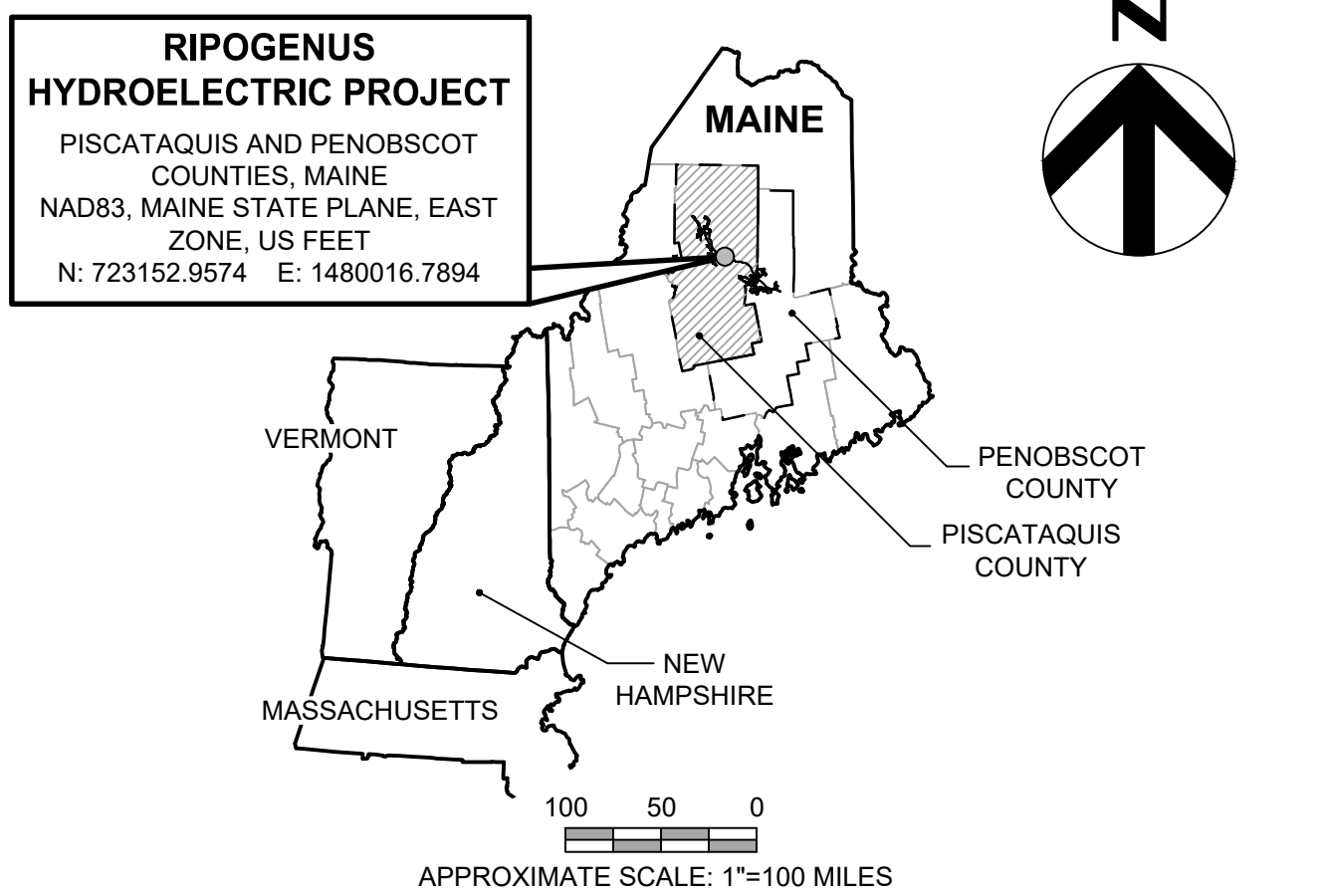
CAD FILENAME: P-2572-XXXX, G-9, PROJECT BOUNDARY MAP, MM-DD-YYYY.DWG



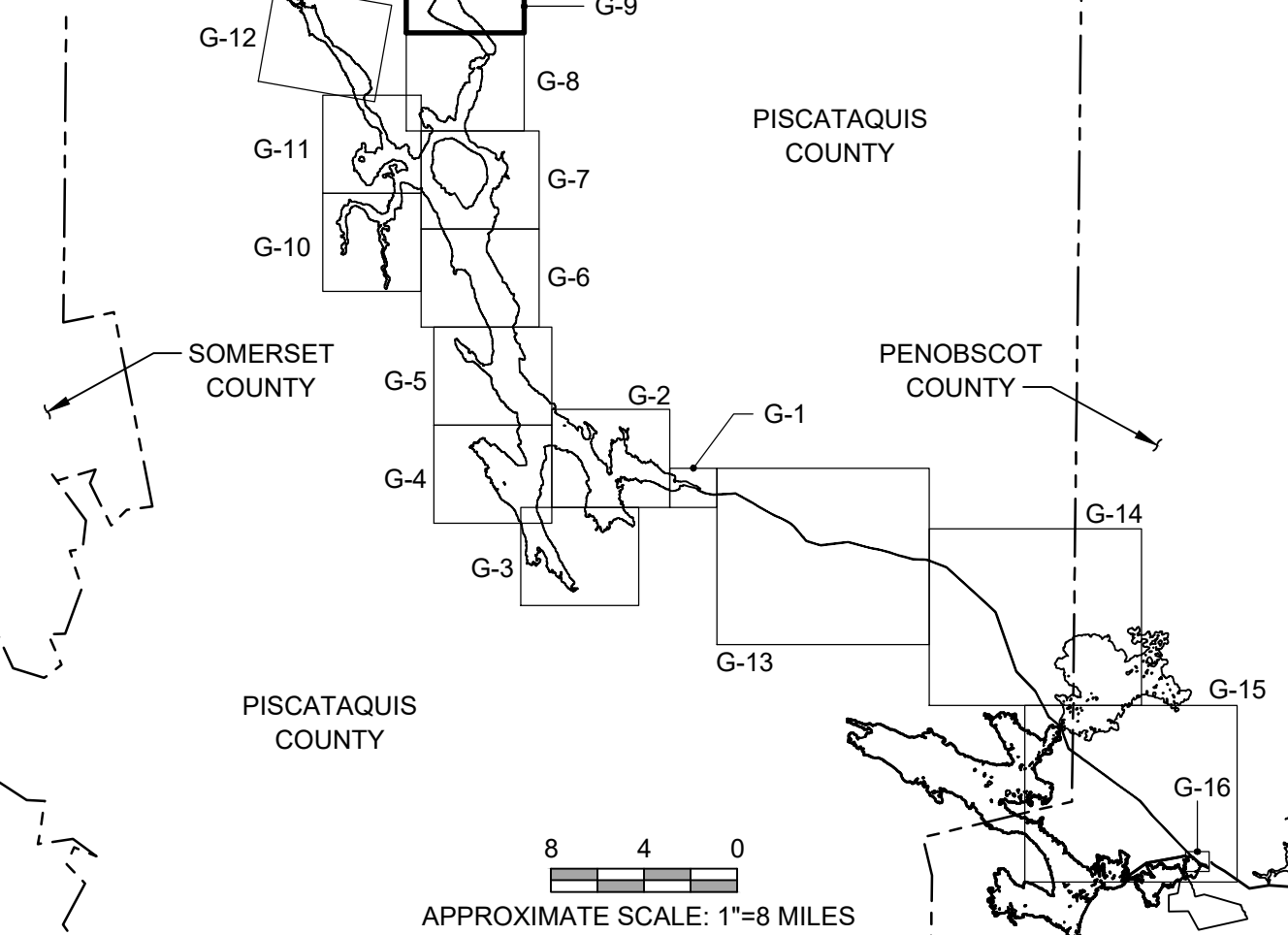
LEGEND

- PROJECT BOUNDARY
- PROPERTY LINE
- SHORELINE/STREAM
- PRIMARY ROAD
- SECONDARY ROAD

PROJECT LOCATION MAP



MAP KEY



PROJECT BOUNDARY TIE DATA

THE PROJECT BOUNDARY IS TIED TO ME/PISCATAQUIS COUNTY GEODETIC SURVEY BENCHMARK B 82, PID QG0660 (CBN, CONTROL BASE NETWORK CONTROL STATION) N: 807562.9600, E: 812164.1500

TIE POINT 1 (P.O.B. RIOPENUS DAM): 867.26' ±, N 22d5'34" W, EXHIBIT G-1

REFERENCE COORDINATE METADATA

PROJECTION - MAINE STATE PLANE VERTICAL DATUM - NGVD29
DATUM - NAD83 (NATIONAL GEODETIC VERTICAL DATUM OF 1929)
ZONE - EAST
UNITS - U.S. FOOT

GEOREFERENCE SOURCE DATA

DIGITIZED DATA: © 2024 MICROSOFT CORPORATION EARTHSTAR GEOGRAPHICS SIO

LIDAR ELEVATION DATA: U.S. GEOLOGICAL SURVEY, 20190501, USGS LIDAR POINT CLOUD ME EASTERN B1 LAS 2017: US GEOLOGICAL SURVEY.

PROPERTY DATA: MAINE GEOLIBRARY, JULY 2024, <https://www.maine.gov/geolib/catalog.html>
MAINE PARCELS UNORGANIZED TERRITORY

BOUNDARY DATA: FERC EXHIBIT G, GREAT NORTHERN PAPER, INC. RIOPENUS PROJECT BOUNDARY MAPS, APRIL 4, 2002.

GENERAL NOTES

- THE LICENSEE EITHER OWNS IN SIMPLE FEE OR POSSESSES FLOWAGE EASEMENTS OVER ALL LANDS WITHIN THE PROJECT BOUNDARY REQUIRED TO OPERATE THE FACILITY.
- SEE EXHIBIT G-1 FOR PROJECT BOUNDARY TABLES AND COMPLETE RECREATION SITE LIST.

SURVEYORS STATEMENT

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



EXHIBIT G-9

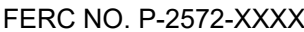
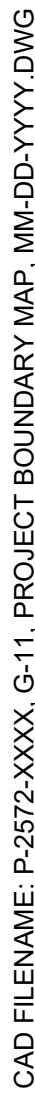
SHEET 9 OF 16

RIOPENUS HYDROELECTRIC PROJECT
MAINE
PROJECT BOUNDARY MAP



GREAT LAKES HYDRO AMERICA, LLC., MAINE - FERC No. 2572

DATE: SEPTEMBER 2024 SCALE: 1"=1000' APPROVED: PENDING



CAD FILENAME: P-2572-XXXX, G-12, PROJECT BOUNDARY MAP, MM-DD-YYYY.DWG



PROJECT LOCATION MAP

RIOGENUS HYDROELECTRIC PROJECT
PISCATAQUIS AND PENOBSCOT COUNTIES, MAINE
NAD83, MAINE STATE PLANE, EAST ZONE, US FEET
N: 723152.9574 E: 1480016.7894

VERMONT
MASSACHUSETTS
NEW HAMPSHIRE
PISCATAQUIS COUNTY
PENOBSCOT COUNTY

100 50 0
APPROXIMATE SCALE: 1"=100 MILES

MAP KEY

G-12
G-11
G-10
G-9
G-8
G-7
G-6
G-5
G-4
G-3
G-2
G-1
G-14
G-13
G-15
G-16

SOMERSET COUNTY
PISCATAQUIS COUNTY
PENOBSCOT COUNTY

8 4 0
APPROXIMATE SCALE: 1"=8 MILES

PROJECT BOUNDARY TIE DATA
THE PROJECT BOUNDARY IS TIED TO ME/PISCATAQUIS COUNTY GEODETIC SURVEY BENCHMARK B 82, PID QG0660 (CBN, CONTROL BASE NETWORK CONTROL STATION)
N: 807562.9600, E: 812184.1500

TIE POINT 1 (P.O.B. RIOGENUS DAM): 867.26' ±, N 22d5'34" W, EXHIBIT G-1

REFERENCE COORDINATE METADATA
PROJECTION - MAINE STATE PLANE
DATUM - NAD83
ZONE - EAST
UNITS - U.S. FOOT

VERTICAL DATUM - NGVD29
(NATIONAL GEODETIC VERTICAL DATUM OF 1929)

GEOREFERENCE SOURCE DATA
DIGITIZED DATA: © 2024 MICROSOFT CORPORATION EARTHSTAR GEOGRAPHICS SIO

LIDAR ELEVATION DATA: U.S. GEOLOGICAL SURVEY, 20190501, USGS LIDAR POINT CLOUD ME EASTERN B1 LAS 2017: US GEOLOGICAL SURVEY.

PROPERTY DATA: MAINE GEOLIBRARY, JULY 2024, <https://www.maine.gov/geolib/catalog.html>
MAINE PARCELS UNORGANIZED TERRITORY

BOUNDARY DATA: FERC EXHIBIT G, GREAT NORTHERN PAPER, INC. RIOGENUS PROJECT BOUNDARY MAPS, APRIL 4, 2002.

GENERAL NOTES

- THE LICENSEE EITHER OWNS IN SIMPLE FEE OR POSSESSES FLOWAGE EASEMENTS OVER ALL LANDS WITHIN THE PROJECT BOUNDARY REQUIRED TO OPERATE THE FACILITY.
- SEE EXHIBIT G-1 FOR PROJECT BOUNDARY TABLES AND COMPLETE RECREATION SITE LIST.

SURVEYORS STATEMENT
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EXHIBIT G-12 SHEET 12 OF 16

RIOGENUS HYDROELECTRIC PROJECT
MAINE
PROJECT BOUNDARY MAP

1000 500 0 1000 2000 3000 4000

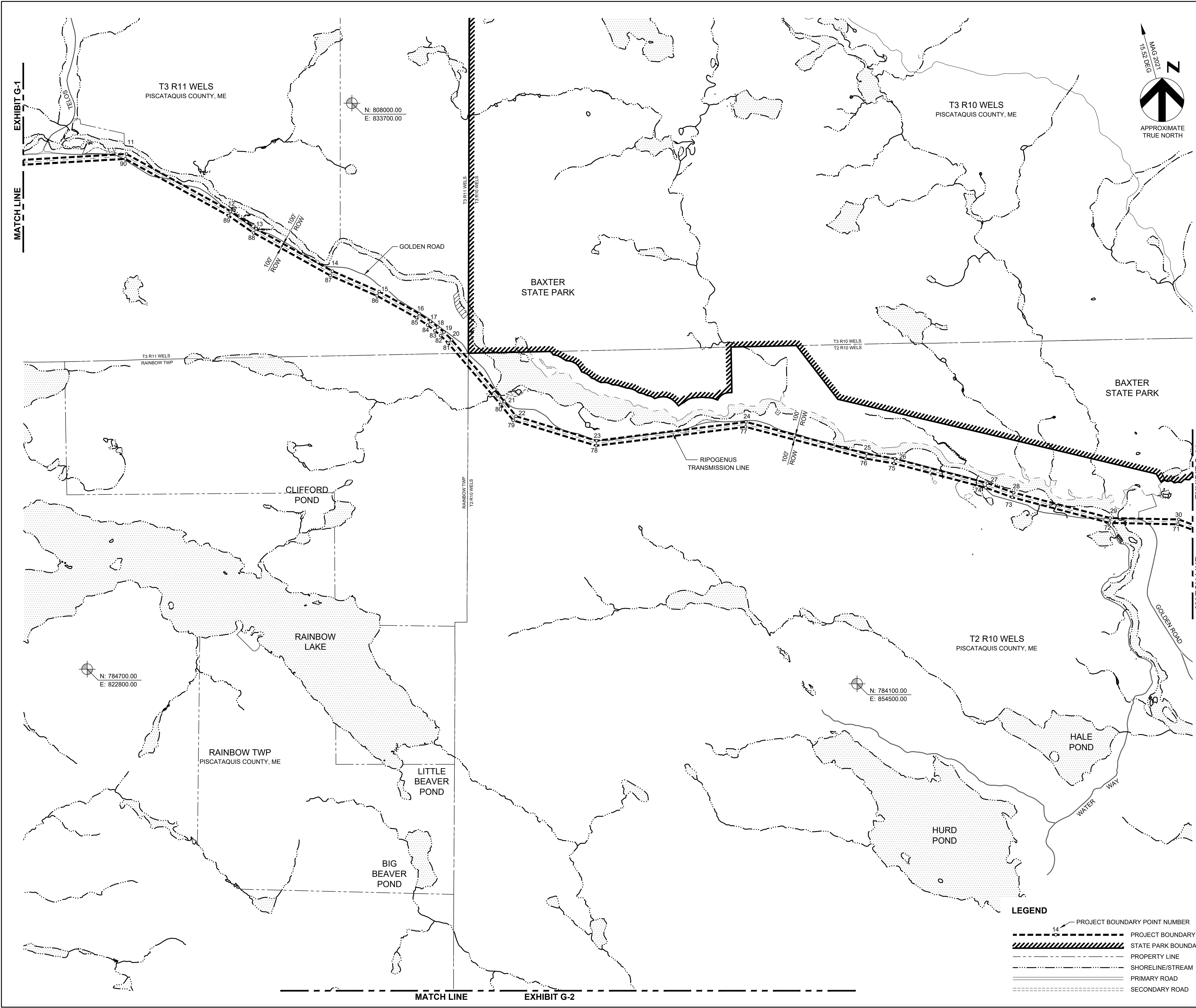
GREAT LAKES HYDRO AMERICA, LLC., MAINE - FERC No. 2572

DATE: SEPTEMBER 2024	SCALE: 1"=1000'	APPROVED: PENDING
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STATE OF MAINE
STEPHEN W. EVERETT
2161
PROFESSIONAL LAND SURVEYOR

FERC NO. P-2572-XXXX

CAD FILENAME: P-2572-XXXX, G-13, PROJECT BOUNDARY MAP, MM-DD-YYYY.DWG



PROJECT LOCATION MAP

RIOGENUS
HYDROELECTRIC PROJECT

PISCATAQUIS AND PENOBSCOT
COUNTIES, MAINE

NAD83, MAINE STATE PLANE, EAST
ZONE, US FEET

N: 723152.9574 E: 1480016.7894

MAINE

VERMONT

MASSACHUSETTS

NEW HAMPSHIRE

PENOBSCOT
COUNTY

PISCATAQUIS
COUNTY

100 50 0

APPROXIMATE SCALE: 1"=100 MILES

MAP KEY

G-12

G-11

G-10

G-9

G-8

G-7

G-6

G-5

G-4

G-3

G-2

G-1

G-14

G-15

G-16

G-13

8 4 0

APPROXIMATE SCALE: 1"=8 MILES

PROJECT BOUNDARY TIE DATA

THE PROJECT BOUNDARY IS TIED TO ME/PISCATAQUIS COUNTY GEODETIC SURVEY BENCHMARK
B 82, FID 060680 (CBN, CONTROL BASE NETWORK CONTROL STATION)
N: 807662.9600, E: 812184.1500

TIE POINT 1 (P.O.B. RIOGENUS DAM): 867.26' ±, N 22d5'34" W, EXHIBIT G-1

REFERENCE COORDINATE METADATA

PROJECTION - MAINE STATE PLANE

DATUM - NAD83

ZONE - EAST

UNITS - U.S. FOOT

VERTICAL DATUM - NGVD29

(NATIONAL GEODETIC VERTICAL DATUM OF 1929)

GEOREFERENCE SOURCE DATA

DIGITIZED DATA: © 2024 MICROSOFT CORPORATION EARTHSTAR GEOGRAPHICS SIO

LIDAR ELEVATION DATA: U.S. GEOLOGICAL SURVEY, 20190501, USGS LIDAR POINT CLOUD ME
EASTERN B1 LAS 2017: US GEOLOGICAL SURVEY.

PROPERTY DATA: MAINE GEOLIBRARY, JULY 2024, <https://www.maine.gov/geolib/catalog.html>
MAINE PARCELS UNORGANIZED TERRITORY

BRIDGHAM ENGINEERING AND LAND SURVEYING,
SURVEY PLAT RIOGENUS PROJECT, AUGUST 19, 2004.

BOUNDARY DATA: FERC EXHIBIT G, GREAT NORTHERN PAPER, INC. RIOGENUS PROJECT
BOUNDARY MAPS, APRIL 4, 2002.

GENERAL NOTES

1. THE LICENSEE EITHER OWNS IN SIMPLE FEE OR POSSESSES FLOWAGE EASEMENTS OVER ALL
LANDS WITHIN THE PROJECT BOUNDARY REQUIRED TO OPERATE THE FACILITY.

2. SEE EXHIBIT G-1 FOR PROJECT BOUNDARY TABLES AND COMPLETE RECREATION SITE LIST.

SURVEYORS STATEMENT

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THE LOCATION OF PROJECT FEATURES AND BOUNDARIES BASED ON
THE BEST AVAILABLE HISTORICAL DRAWINGS AND DIGITAL REFERENCE
SOURCES INCORPORATED INTO THE GEOGRAPHIC INFORMATION
SYSTEM (GIS). LOCATIONS HAVE NOT BEEN VERIFIED BY PHYSICAL
FIELD SURVEYS AND THIS DRAWING SHOULD NOT BE USED FOR
PURPOSES OF DEVELOPING PROPERTY BOUNDARY DESCRIPTIONS.

STATE OF MAINE

STEPHEN
W.
EVERETT
2161

PROFESSIONAL
LAND SURVEYOR

EXHIBIT G-13

SHEET 13 OF 16

RIOGENUS HYDROELECTRIC PROJECT

MAINE

PROJECT BOUNDARY MAP

1800 900 0 1800 3600 5400 7200

APPROXIMATE SCALE: 1"=1800'

GREAT LAKES HYDRO AMERICA, LLC., MAINE - FERC No. 2572

DATE: SEPTEMBER 2024

SCALE: 1"=1800'

APPROVED: PENDING

LEGEND

14

PROJECT BOUNDARY POINT NUMBER

PROJECT BOUNDARY

STATE PARK BOUNDARY

PROPERTY LINE

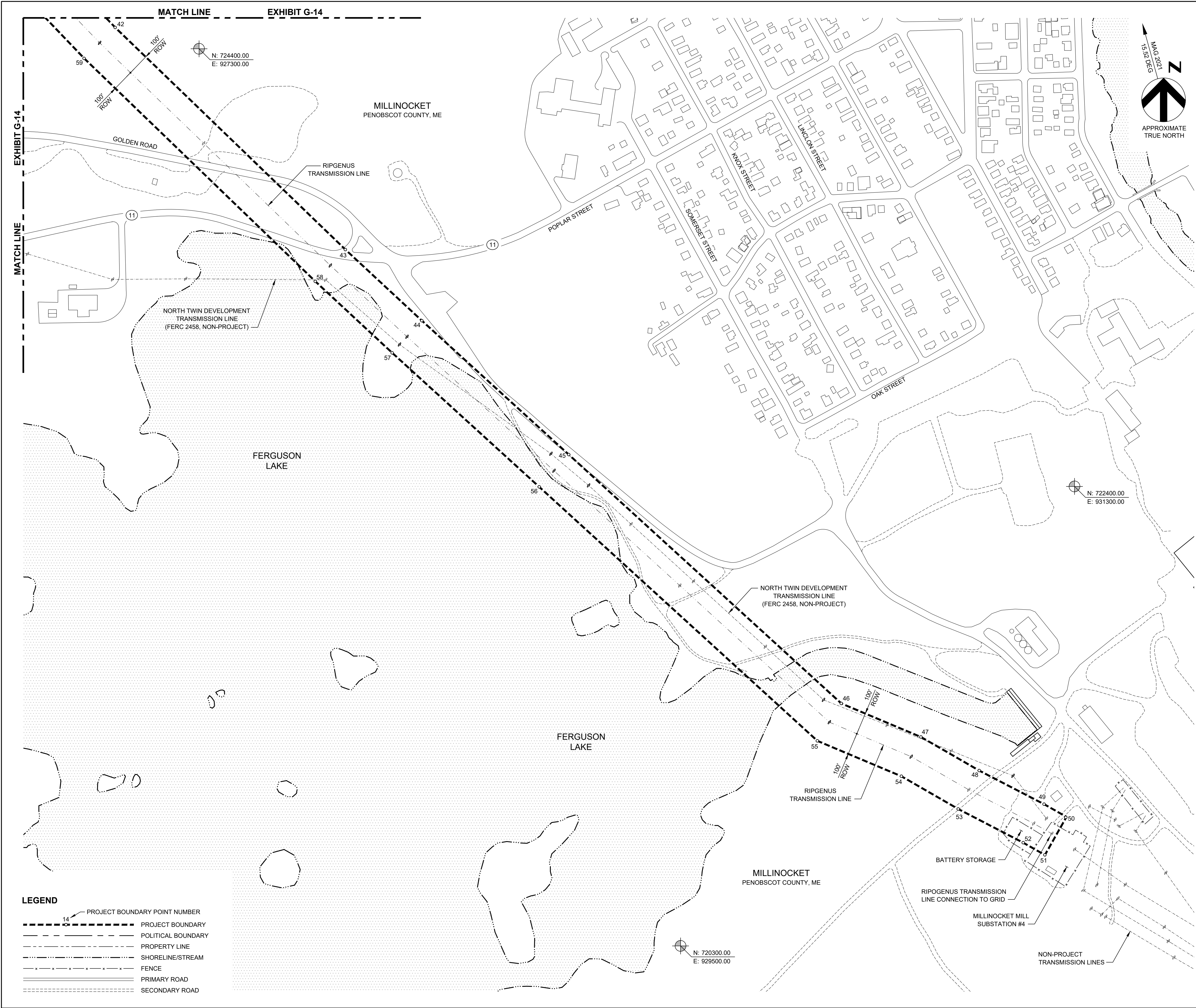
SHORELINE/STREAM

PRIMARY ROAD

SECONDARY ROAD

FERC NO. P-2572-XXXX

CAD FILENAME: P-2572-XXXX, G-16, PROJECT BOUNDARY MAP, MM-DD-YYYY.DWG



PROJECT LOCATION MAP

RIPOGENUS HYDROELECTRIC PROJECT

PISCATAQUIS AND PENOBSCOT COUNTIES, MAINE
NAD83, MAINE STATE PLANE, EAST ZONE, US FEET
N: 723152.9574 E: 1480016.7894

VERMONT
MASSACHUSETTS
NEW HAMPSHIRE
PENOBSCOT COUNTY
PISCATAQUIS COUNTY

APPROXIMATE SCALE: 1"=100 MILES

MAP KEY

G-9, G-8, G-7, G-6, G-5, G-4, G-3, G-2, G-1, G-14, G-13, G-15, G-16, G-12, G-11, G-10

PISCATAQUIS COUNTY
PENOBSCOT COUNTY
SOMERSET COUNTY

APPROXIMATE SCALE: 1"=8 MILES

PROJECT BOUNDARY TIE DATA

THE PROJECT BOUNDARY IS TIED TO ME/PISCATAQUIS COUNTY GEODETIC SURVEY BENCHMARK B 82, PID QG0680 (CBN, CONTROL BASE NETWORK CONTROL STATION)
N: 807862.9600, E: 812184.1500

TIE POINT 1 (P.O.B. RIPOGENUS DAM): 867.26' ±, N 22d5'34" W, EXHIBIT G-1

REFERENCE COORDINATE METADATA

PROJECTION - MAINE STATE PLANE
DATUM - NAD83
ZONE - EAST
UNITS - U.S. FOOT

VERTICAL DATUM - NGVD29
(NATIONAL GEODETIC VERTICAL DATUM OF 1929)

GEOREFERENCE SOURCE DATA

DIGITIZED DATA: © 2024 MICROSOFT CORPORATION EARTHSTAR GEOGRAPHICS SIO

LIDAR ELEVATION DATA: U.S. GEOLOGICAL SURVEY, 20190501, USGS LIDAR POINT CLOUD ME EASTERN B1 LAS 2017: US GEOLOGICAL SURVEY.

PROPERTY DATA: MAINE GEOLIBRARY, JULY 2024, <https://www.maine.gov/geolib/catalog.html>
MAINE PARCELS UNORGANIZED TERRITORY

BRIDGHAM ENGINEERING AND LAND SURVEYING,
SURVEY PLAT RIPOGENUS PROJECT, AUGUST 19, 2004.

BOUNDARY DATA: FERC EXHIBIT G, GREAT NORTHERN PAPER, INC. RIPOGENUS PROJECT BOUNDARY MAPS, APRIL 4, 2002.

GENERAL NOTES

1. THE LICENSEE EITHER OWNS IN SIMPLE FEE OR POSSESSES FLOWAGE EASEMENTS OVER ALL LANDS WITHIN THE PROJECT BOUNDARY REQUIRED TO OPERATE THE FACILITY.
2. SEE EXHIBIT G-1 FOR PROJECT BOUNDARY TABLES AND COMPLETE RECREATION SITE LIST.

SURVEYORS STATEMENT

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

STATE OF MAINE
STEPHEN W. EVERETT
2161
PROFESSIONAL LAND SURVEYOR

EXHIBIT G-16 SHEET 16 OF 16

RIPOGENUS HYDROELECTRIC PROJECT
MAINE
PROJECT BOUNDARY MAP

200 100 0 200 400 600 800

GREAT LAKES HYDRO AMERICA, LLC., MAINE - FERC No. 2572

DATE: SEPTEMBER 2024 SCALE: 1"=400' APPROVED: PENDING

ATTACHMENT 2

CONSERVATION EASEMENT (REV 2009)

AGREEMENT FOR CONSERVATION EASEMENT

The purpose of this Conservation Easement is to assist in managing the land, timber, water and recreational resources of certain portions of Chesuncook and Ripogenus Lakes and Brandy and Black Ponds described herein, to insure the continued use and benefit of these resources for GREAT LAKES HYDRO AMERICA, LLC, formerly known as GNE, LLC, and for the people of the State of Maine. This Conservation Easement makes permanent the conservation easement previously executed on June 7, 2002 and recorded in the Piscataquis County Registry of Deeds in Book 1393, Page 112; as amended in Book 1401, Page 191. Further, this Conservation Easement incorporates those changes to the boundaries of the conservation easement area as reflected in the May 2004 Corrective Deed between Katahdin Paper Company LLC, Katahdin Timberlands LLC, and Great Lakes Hydro America, LLC, recorded in the Piscataquis County Registry of Deeds in Book 1561, Page 10.

NOW THEREFORE:

KNOW ALL BY THESE PRESENTS, that GREAT LAKES HYDRO AMERICA, LLC (GLHA), formerly known as GNE, LLC (GNE), a Delaware limited liability company, having a place of business at Millinocket in the County of Penobscot and State of Maine (hereinafter referred to as the "Grantor"), does hereby grant and convey to the STATE OF MAINE (hereinafter referred to as the "Grantee"), acting by and through its Department of Conservation, Bureau of Parks and Lands, pursuant to M.R.S.A. Title 12, Section 1812, with a mailing address of 22 State House Station, Augusta, Maine 04333, a perpetual Conservation Easement (the "Conservation Easement") as described herein, in common with the Grantor and others in, on, over, and to certain lands as described herein, for the purpose of conserving and utilizing the resources of certain portions of Chesuncook and Ripogenus Lakes and Brandy and Black Ponds for the Grantor and the people of Maine. Except as otherwise provided, the lands to which the Conservation Easement applies are those which, on the effective date of this Conservation

Easement, are wholly owned by the Grantor and not owned in common with others and which are not excepted below, and are within 250 feet of the normal high water line (contour elevation 941.59 feet), measured as horizontal distance landward of such high water line, on portions of Chesuncook and Ripogenus Lakes and Brandy and Black Ponds located in seven Townships in Piscataquis County, Maine (all references to recording are to recording in the Piscataquis County Registry of Deeds) and more particularly described as follows:

T3-R11 Ripogenus Lake

(re: Section 2.5 in the Corrective Deed recorded in Book 1561, Page 10)

Two certain parcels of land on the shore of Ripogenus Lake in Township T3-R11 WELS being a strip of land 250.00 feet wide extending from the High Water Line at an elevation of 941.59 MSL of said water body landward and to a line at all times 250.00 feet from said high water line of said water body.

Parcel One: South Shore

(re: Section 2.5.2 in the Corrective Deed recorded in Book 1561, Page 10)

Commencing at a railroad spike set on the South shore of Ripogenus Lake being at the point shown on the Survey of Ripogenus Dam by Bridgham, and at UTM coordinates of N 16667626.50, E 1594801.32 feet;

Thence, North 84° 44' 00" West, a distance of 50 feet, more or less, to a point at or near the high water line of Ripogenus Lake and the land described in Section 2.19 as set forth in the Corrective and Confirmatory Deed from Katahdin Paper Company LLC, Katahdin Timberlands LLC, and Katahdin Forest Management LLC to Great Lakes Hydro America, LLC, formerly known as GNE, LLC dated May 17, 2004 and recorded in the Piscataquis County Registry of Deeds in Book 1561, Page 10, such point being the POINT OF BEGINNING;

Thence, South 06° 56' 10" West along said land described in Section 2.19 to a point that is 250.00 feet measured perpendicularly, from the high water line of said Lake;

Thence, westerly and northerly along a line that is always 250.00 feet from said high water line of said Lake to the Town Line between T3-R11 and T3-R12 WELS;

Thence, northerly along said Town Line to a rebar set on the southerly shore of Ripogenus Lake on a blazed and painted line, and also being on a tie line bearing of, North 79° 48' 30" W, a distance of 3972.24 feet from the above mentioned Railroad Spike;

Thence, northerly to the high water line of said Lake;

Thence, southerly and easterly along said high water line to the Ripogenus Dam Parcel and the POINT OF BEGINNING.

Subject to a 100.00 foot wide right-of-way for the Golden Road as now located and described as follows;

Beginning at a point 50 feet northeasterly of the center line of said road, that is 250.00 from the high water line of said Lake;

Thence, crossing said Road to a point 50.00 feet southwesterly of the center line of said Road being, South 61°42'30" West, a distance of 192.63 feet from the last point;

Thence, continuing along said right-of-way line that is 50.00 feet from the center of said Road to a rebar set being, North 89°57'10" West, a distance of 616.98 feet from the last point and located at UTM coordinates of N 16,667,183.89, E 1,593,846.30 feet;

Thence, continuing along said right-of-way to another rebar set being, South 89°05'00" West, a distance of 651.47 feet;

Thence, continuing along said right-of-way to a point that is, North 88°10'50" West, a distance of 360.29 feet, said point also being 250.00 feet from the high water line of said Lake;

Thence, along said line always bring 250.00 feet from said high water line and crossing said Road to a point that is, North 50°30'20" West, a distance of 169.84 feet from the last point and being on the other right-of-way line of said Road;

Thence, southeasterly along said other right-of-way and always 100.00 feet from the right-of-way line described immediately above to the point of beginning.

Parcel Two: North Shore

(re: Section 2.5.1 in the Corrective Deed recorded in Book 1561, Page 10)

Beginning at a rebar set on the northerly shore of Ripogenus Lake, on a blazed and painted line found being the Town Line between T3-R11 and T3-R12 WELS, and at UTM coordinates of N 16671617.62, E 1590818.94 feet;

Thence, northerly along said Town Line to a point that is 250.00 feet from the high water line of said Lake;

Thence, easterly and southerly along a line that is always 250.00 feet from said high water line of said Lake to intersect with the Ripogenus Dam Lot as surveyed by Bridgham;

Thence, continuing westerly along said Dam Lot, South 78° 36' 50" West, to a station set by Bridgham at UTM Coordinates of N 16669093.79, E 1595119.81 feet, and also on a tie line bearing of, South 59° 35' 40" E, a distance of 4986.70 feet from the above mentioned rebar;

Thence continuing southerly, South 19° 42' 30" West, to the high water line of said Lake;

Thence, westerly and northerly along said high water line to said Town Line;

Thence, northerly along said Town Line to the Point of Beginning.

Subject to a 100.00 foot wide right-of-way for the Frost Pond Road as now located and described as follows:

Beginning at a point 50 feet southwesterly of the center line of said road, that is also 250.00 feet from the high water line of said Lake, and that is also, South 71°36'40" East, a distance of 2463.40 feet from the point of beginning described immediately above;

Thence, crossing said Road to a point 50.00 feet northeasterly of the centerline of said Road being, North 85°26'00" East, a distance of 104.02 feet from the last point,

Thence, continuing 50.00 feet from the center of said Road to a rebar set being South 25°40'10" East, a distance of 155.97 feet from the last point and located at UTM coordinates of N 16670840.45, E 1593156.53 feet;

Thence, continuing along said right-of-way to another rebar set being, South 51°37'10" East, a distance of 1091.56 feet;

Thence, continuing along said right-of-way to a point that is, South 37°59'40" East, a distance of 261.26 feet, said point also being 250.00 feet from the high water line of said Lake;

Thence, along said line always being 250.00 feet from said high water line and crossing said Road to a point that is, South 11°43'30" West, a distance of 120.22 feet, and on the other right-of-way line of said Road;

Thence, northwesterly along said other right-of-way and always 100.00 feet from the right-of-way line described immediately above to the point of beginning.

T3-R12 Chesuncook Lake Area

(re: Section 2.6 in the Corrective Deed recorded in Book 1561, Page 10)

Four certain parcels of land on Chesuncook Lake in Township T3-R12 WELS being strips of land 250.00 feet wide extending from the High Water Line at an elevation of 941.59 MSL of said water bodies landward and to a line at all times 250.00 feet from said high water line of said water body.

Parcel One: West Shore Parcel

(re: Section 2.6.4 in the Corrective Deed recorded in Book 1561, Page 10)

Beginning at a cedar post found and rebar set on the West shore of Chesuncook Lake on the Division Line near the middle of T3-R12 WELS at UTM coordinates of N 16678721.42, E 1573518.49 feet;

Thence, southerly along said Town Line to a point that is 250.00 feet from the high water line of said Lake;

Thence, northerly along a line that is always 250.00 feet from said high water line of said Lake to said Division Line;

Thence, southerly along said Line to a rebar set on the shore of said Lake, being North 02°23'00" West, a distance of 4327.45 feet from the point of beginning described immediately above;

Thence, southerly along said high water line of said Lake to the POINT OF BEGINNING.

Parcel Two: West Shore Second Parcel (intentionally omitted)

(re: Section 2.6.5 in the Corrective Deed recorded in Book 1561, Page 10)

Parcel Three: South Shore Parcel

(re: Section 2.6.3 in the Corrective Deed recorded in Book 1561, Page 10)

Beginning at a rebar set at where the shores of Caribou and Chesuncook Lake meet in the northeast quarter of Caribou Lake at UTM coordinates of N 16667251.82, E 1563250.34 feet

Thence, northerly, easterly, and southerly along said high water line of Chesuncook Lake to the Division Line near the middle of T3-R12 WELS;

Thence, continuing southerly on the said Division Line to a point that is 250.00 feet from the high water line of said Lake;

Thence, northerly, westerly, and southerly along a line that is always 250.00 feet from said high water line of said Lake;

Thence, at right angles to the shore of said Lake westerly to the POINT OF BEGINNING;

Excepting a parcel of leased land described as follows:

Beginning at a rebar found at the southwest corner of a lease being, North 07°59'30" East, a distance of 10804.05 feet from the point of beginning described immediately above, and also at UTM coordinates of N 16677950.97, E 1564752.25 feet;

Thence, along said lease, North 74°57'10" East, a distance of 143.91 feet to a rebar found;

Thence, continuing along said lease, North 75°03'00" East, a distance of 25.90 feet to the northwest corner of a second lease;

Thence, along said second lease, South 34°35'30" East, a distance of 186.26 feet to a rebar found;

Thence, continuing, North 58°52'00" East, a distance of 149.47 feet to a rebar found near the shore,

Thence, continuing on the same course to the high water line of said Lake;

Thence, continuing westerly and southerly along the high water line of said Lake;

Thence, North 74° 57' 10" East, to the POINT OF BEGINNING.

Parcel Four: Northeast Shore - west of lot 4544

(re: Section 2.6.1 in the Corrective Deed recorded in Book 1561, Page 10)

Beginning at a cedar post found and rebar set on the northeasterly shore of Chesuncook Lake on the Town Line between T4-R12 and T3-R12 WELS at UTM coordinates of N 16689917.58, E 1561719.17 feet;

Thence, easterly along said Town Line to a point that is 250.00 feet from the high water line of said Lake;

Thence, southeasterly along a line that is always 250.00 feet from said high water line of said Lake to a developed Lease;

Thence, along said Lease, South 50°32'10" West, to a rebar set;

Thence, continuing on the same course, a distance of 95.98 feet to a rebar set approximately 50 feet from the high water line on a high bank, said rebar being, South 42°16'40" East, a distance of 7231.38 feet from the point of beginning and also being the point of commencement for the next parcel described immediately below;

Thence, continuing on the same course to the high water line of said Lake;

Thence, northwesterly along said high water line of said Lake to the POINT OF BEGINNING.

Northeast Shore - east of lot 4544

(re: Section 2.6.2 in the Corrective Deed recorded in Book 1561, Page 10)

Beginning at a rebar set on the northeasterly shore of Chesuncook Lake on the easterly side of said Lease referred to immediately above at UTM coordinates of N 16684437.67, E 1566854.50 feet, and also being, South 64°26'20" East, a distance of 300.00 feet from the point of commencement described immediately above;

Thence, easterly along said Lease Line, North 50°22'50" East, a distance of 125.07 feet to a

rebar set;

Thence, continuing on the same course to a point that is 250.00 feet from the high water line of said Lake;

Thence, southeasterly along a line that is always 250.00 feet from said high water line of said Lake to the Division Line near the middle of T3-R12 WELS;

Thence, southerly along said Division Line to a rebar set at the high water line of said Lake on a blazed and painted line being, South 49°22'40" East, a distance of 8779.76 feet from the point of beginning described immediately above;

Thence, continuing along said Town Line to the high water line of said Lake;

Thence, continuing northwesterly along the high water line of said Lake;

Thence, North 50° 22' 50" E, approximately 50 feet to the POINT OF BEGINNING.

Parcel Five: Intentionally omitted

Parcels Six & Seven: Islands in T3-R12

(re: Section 2.6.6 in the Corrective Deed recorded in Book 1561, Page 10)

Parcel Six: The island in Chesuncook Lake lying 1,200 feet, more or less, southeast of Mauser's Island and westerly of Parcel Four described above with a rebar set at UTM coordinates of N 16680985.55, E 1570808.69.

Parcel Seven: Mauser's Island, lying 675 feet, more or less, westerly of Parcel Four described above with a rebar set at UTM coordinates of N 16681735.28, S 1568909.56.

T4-R12 Chesuncook Lake Area

(re: Section 2.7 in the Corrective Deed recorded in Book 1561, Page 10)

One certain parcel of land on the East shore of Chesuncook Lake in Township T4-R12 WELS being a strip of land 250.00 feet wide extending from the High Water Line at an elevation of 941.59 MSL of said water bodies landward and to a line at all times 250.00 feet from said high water line of said water body, more particularly described as follows:

Parcel One: East Shore Chesuncook Lake

(re: Section 2.7.1 in the Corrective Deed recorded in Book 1561, Page 10)

Beginning at a cedar post found and rebar set on the easterly shore of Chesuncook Lake on the Town Line between T4-R12 and T5-R13 WELS at UTM coordinates of N 16725505.34, E 1551478.87 feet;

Thence, easterly along said Town Line to a point that is 250.00 feet from the high water line of said Lake;

Thence, southerly along a line that is always 250.00 feet from said high water line of said Lake to the Town Line between T4-R12 and T3-R12 WELS;

Thence, westerly along said Town Line to a cedar post found and a rebar set, being, South 16°03'10" East, a distance of 37031.77 feet from the point of beginning described immediately above;

Thence, northerly along said high water line of said Lake to the point of beginning.

T4-R13 Chesuncook Lake Area

(re: Section 2.8 in the Corrective Deed recorded in Book 1561, Page 10)

Three certain parcels of land on the West shore of Chesuncook Lake in Township T4-R13 WELS being a strip of land 250.00 feet wide extending from the High Water Line at an elevation of 941.59 MSL of said water bodies landward and to a line at all times 250.00 feet from said high water line of said water body.

Parcel One: West Shore Chesuncook Lake – south of lot 640

(re: Section 2.8.1 in the Corrective Deed recorded in Book 1561, Page 10)

Beginning at a cedar post found and rebar set on the westerly shore of Chesuncook Lake on the Town Line between T4-R13 and T3-R13 WELS at UTM coordinates of N 16689911.15, E 1553254.88 feet;

Thence, westerly along said Town Line to a point that is 250.00 feet from the high water line of said Lake;

Thence, northerly along a line that is always 250.00 feet from said high water line of said Lake to a developed lease;

Thence, along said lease, South 73°38'50 East, a distance of approximately 240 feet to a rebar set 10 feet from the high water line, said rebar being, North 06°13'50" West, a distance of 6127.58 feet from the point of beginning and also being the point of commencement for the next parcel described immediately below;

Thence, continuing to the high water line of said Lake;

Thence, southerly along said high water line of said Lake TO THE POINT OF BEGINNING.

West Shore Chesuncook Lake to the Patterson Parcel – north of lot 640

(re: Section 2.8.2 in the Corrective Deed recorded in Book 1561, Page 10)

Beginning at a rebar set on the westerly shore of Chesuncook Lake at UTM coordinates of N 16696194.44, E 1552646.14 feet, also being, North 16°21'10" East, a distance of 200.00 feet from the point of commencement described immediately above;

Thence, North 73°38'50" West, to a point that is 250.00 feet from the high water line of said Lake;

Thence, northerly along a line that is always 250.00 feet from said high water line of said Lake to the Patterson Parcel so called;

Thence, along said Parcel, to a rebar set 10 feet from the high water line, said rebar being, North 22°42'00" West, a distance of 24630.55 feet from the point of beginning and also being the point of commencement for the next parcel described immediately below;

Thence, continuing to the high water line of said Lake;

Thence, southerly along said high water line of said Lake to the point of beginning.

Parcel Two: Patterson Parcel to the Chesuncook Village Parcel

(re: Section 2.8.3 in the Corrective Deed recorded in Book 1561, Page 10)

Beginning at an iron pipe found at the northeast corner of the so called Patterson Parcel on the

westerly shore of Chesuncook Lake at UTM coordinates of N 16720624.55, E 1543381.95 feet, also being, North 08°02'20" East, a distance of 1724.56 feet from the point of commencement described immediately above;

Thence, northwesterly along said Patterson Parcel to a point that is 250.00 feet from the high water line of said Lake;

Thence, northerly along a line that is always 250.00 feet from said high water line of said Lake to the Town Line between T4-R13 and T5-R13 WELS;

Thence, easterly along said Town Line to a cedar post found and a rebar set on the shore of said Lake, being, North 22°38'10" West, a distance of 5329.23 feet from the point of beginning described immediately above.

Thence, continuing to the high water line of said Lake;

Thence, continuing southerly along the high water line of said Lake;

Thence, westerly along the Patterson Parcel to the POINT OF BEGINNING described immediately above.

T5-R13 Chesuncook Lake Area

(re: Section 2.9 in the Corrective Deed recorded in Book 1561, Page 10)

Seven parcels of land on the shore of several Lakes and Ponds in Township T5-R13 WELS being a strip of land 250.00 feet wide extending from the High Water Line at an elevation of 941.59 MSL of said water bodies landward and to a line at all times 250.00 feet from said high water line of said water body.

Parcel One: East Shore of Chesuncook Lake

(re: Section 2.9.3 in the Corrective Deed recorded in Book 1561, Page 10)

Beginning at a rebar set on a blazed line found on the easterly shore of Chesuncook Lake on the Town Line between T 5-R12 and T5-R13 at UTM coordinates of N 16,729,028.57, E 1,552,815.58 feet, being, South 00°38'30" West, a distance of 1819.83 feet from the point of commencement described immediately above;

Thence, southerly along said Town Line to a point that is 250.00 feet from the high water line of said Lake;

Thence, southerly along a line that is always 250.00 feet from said high water line of said Lake to the Town Line between T5-R13 and T4-R12 WELS;

Thence, westerly along said Town Line to a cedar post found and a rebar set, being, South 20°46'40" West, a distance of 3768.29 feet from the point of beginning described immediately above, and also being the point of commencement described immediately below;

Thence, northerly along said high water line of said Lake to the POINT OF BEGINNING.

Parcel Two: Intentionally omitted

Parcel Three: East Shore Moose Pond

(re: Section 2.9.2 in the Corrective Deed recorded in Book 1561, Page 10)

Beginning at a rebar set on a blazed line found on the easterly shore of Moose Pond on the Town Line between T 5-R12 and T5-R13, at UTM coordinates of N 16735732.68, E 1552836.28 feet,

being, South 00°25'40" East, a distance of 7344.81 feet from the point of commencement described immediately above;
Thence, southerly along said Town Line to a point that is 250.00 feet from the high water line of said Pond;
Thence, southerly along a line that is always 250.00 feet from said high water line of said Pond to the Town Line between T5-R12 and T5-R13 WELS;
Thence, southerly along said Town Line to a cedar post found and a rebar set, being, South 00°00'10" West, a distance of 4884.39 feet from the point of beginning described immediately above, and also being the point of commencement for the parcel described immediately below;
Thence, northerly along said high water line of said Pond to the POINT OF BEGINNING.

Parcel Four: East Shore Umbazooksus Cove
(re: Section 2.9.1 in the Corrective Deed recorded in Book 1561, Page 10)

Beginning at a cedar post found and rebar set on the easterly shore of Umbazooksus Cove on the Town Line between T6-R13 and T5-R13 WELS at UTM coordinates of N 16757386.00, E 1548447.54 feet;
Thence, easterly along said Town Line to a point that is 250.00 feet from the high water line of said Lake;
Thence, southerly along a line that is always 250.00 feet from said high water line of said Cove to the Town Line between T5-R12 and T5-R13 WELS;
Thence, southerly along said Town Line to a cedar post found and a rebar set, being, South 16°51'00" East, a distance of 14950.65 feet from the point of beginning described immediately above, and also being the point of commencement for the next parcel described immediately below;
Thence, northerly along said high water line of said Cove to the POINT OF BEGINNING.

Subject to a 100.00 foot wide right-of-way for an existing haul road and its westerly bounds described as follows:
Beginning at a point 50.00 feet westerly of the centerline of said existing haul road, being, North 89°48'10" East, a distance of 340.32 feet from the point of beginning described immediately above;
Thence, continuing 50.00 feet westerly from the centerline of said road, South 43°31'10" West, a distance of 310.72 feet to a rebar set;
Thence, continuing, South 05°03'10" West, a distance of 419.72 feet to a rebar set;
Thence, continuing, South 14°00'40" West, a distance of 460.58 feet to a rebar set;
Thence, continuing along a line that is always 50.00 feet westerly of the center line of the existing haul road to the point where it is 250.00 feet from the high water line of Umbazooksus Cove and the end of this exception.

Parcel Five: East Shore of Black Pond, to the North Shore of Chesuncook Lake, and to the West Shore of Umbazooksus Cove
(re: Section 2.9.7 in the Corrective Deed recorded in Book 1561, Page 10)

Beginning at a rebar set on a blazed line found on the easterly shore of Black Pond on the Town Line between T5-R13 and T6-R13 at UTM coordinates of N 16757518.36, E 1524150.37 feet being, North 11°31'10" East, a distance of 16439.99 feet from the point of beginning described immediately above;

Thence, easterly along said Town Line to a point that is 250.00 feet from the high water line of said Pond;

Thence, southerly, easterly, and northerly along a line that is always 250.00 feet from said high water line of said Pond continuing to and along the North shore of Chesuncook Lake and then continuing to and along the West shore to Umbazooksus Cove and to the Town Line between T5-R13 and T6-R13 WELS;

Thence, easterly along said Town Line to the westerly shore of Umbazooksus Cove and a rebar set and cedar post found, being, North $89^{\circ}57'50''$ East, a distance of 20908.17 feet along said Town Line from the point of beginning described immediately above, and also being the point of beginning for the course described immediately below;

Thence, southerly, westerly, northerly and westerly along the high water line of said bodies of water to the POINT OF BEGINNING.

Parcel Six: Brandy Pond to Black Pond

(re: Section 2.9.6 in the Corrective Deed recorded in Book 1561, Page 10)

Beginning at a rebar set on a blazed line found on the westerly shore of Brandy Pond on the Town Line between T 5-R13 and T5-R14 at UTM coordinates of N 16741409.48, E 1520867.50 feet being, North $01^{\circ}54'50''$ West, a distance of 715.19 feet from the point of commencement described immediately above;

Thence, northerly along said Town Line to a point that is 250.00 feet from the high water line of said Pond;

Thence, northerly, easterly, and northerly along a line that is always 250.00 feet from said high water line of said Pond continuing to Black Pond to the Town Line also between T5-R13 and T5-R14 WELS;

Thence, northerly along said Town Line to westerly shore of Black Pond, being, North along said Town Line from the point of beginning described immediately above;

Thence, southerly, easterly, southerly and westerly along the high water line of said bodies of water to the POINT OF BEGINNING.

Parcel Seven: North Side of the Penobscot River around to Brandy Pond

(re: Section 2.9.5 in the Corrective Deed recorded in Book 1561, Page 10)

Beginning at a rebar set on a blazed line found on the northerly shore of the West Branch of the Penobscot River on the Town Line between T 5-R13 and T5-R14 at UTM coordinates of N 16732048.88 E 1520813.86 feet being, North $01^{\circ}19'00''$ East, a distance of 630.96 feet from the point of commencement described immediately above;

Thence, northerly along said Town Line to a point that is 250.00 feet from the high water mark of said River;

Thence, easterly, northerly, westerly, and northerly along a line that is always 250.00 feet from said high water line of said River, along the westerly shore of Chesuncook Lake and then along the South and West shore Brandy Pond to the Town Line also between T5-R13 and T5-R14 WELS;

Thence, northerly along said Town Line to a rebar set on the westerly shore of Brandy Pond, being, North $00^{\circ}30'50''$ East, a distance of 8646.16 feet from the point of beginning described immediately above, and also being the point of commencement for the next parcel described immediately below;

Thence, southerly, easterly, southerly and westerly along the high water line of said bodies of

water to the POINT OF BEGINNING.

Parcel Eight: West Shore of Chesuncook Lake and South Shore of the West Branch of the Penobscot River

(re: Section 2.9.4 in the Corrective Deed recorded in Book 1561, Page 10)

Beginning at a rebar set on a painted and blazed line on the North bound of Chesuncook Village so called and at UTM coordinates of N 16735672.99, E 1534727.53 feet and being, North 58°44'40" West, a distance of 19595.63 feet from the point of commencement described immediately above;

Thence, westerly along the northerly bound of said Village to a point that is 250.00 feet from the high water line of said Lake;

Thence, northerly and westerly along a line that is always 250.00 feet from said high water line of said Lake and continuing along the southerly high water mark of the West Branch of the Penobscot River to the Town Line between T5-R13 and T5-R14 WELS

Thence, northerly along said Town Line to a cedar post found and a rebar set on the southerly shore of said River, being, South 73°00'50" West, a distance of 14563.60 feet from the point of beginning described immediately above, and also being the point of commencement for the parcel described below;

Thence, easterly along said high water line of said River and Lake to POINT OF BEGINNING.

Parcels Nine through Twelve: Islands in T5-R13

(re: Section 2.9.9 in the Corrective Deed recorded in Book 1561, Page 10)

Parcel Nine: An island at the mouth of the West Branch of the Penobscot River, located approximately 2,700 feet east of the west town line and northerly of Parcel Eight described above with a rebar set at UTM coordinates of N 16729413.24, E 1524757.24.

Parcel Ten: An island at the mouth of the West Branch of the Penobscot River, located immediately southeast of the island described in Parcel Nine above at UTM coordinates of N 16738200, E 1523200.

Parcel Eleven: An island in Brandy Pond located 1,600 feet, more or less, easterly of the west town line and southerly of Parcel Six described above with a rebar set at UTM coordinates of N 16741763.14, E 1521926.39.

Parcel Twelve: An island in Brandy Pond, located 3,200 feet, more or less, easterly of the west town line and northerly of Parcel Seven described above with a rebar set at UTM coordinates of N 16730226.03, E 1523953.91.

T5-R14 Brandy and Black Ponds Area

(re: Section 2.10 in the Corrective Deed recorded in Book 1561, Page 10)

Certain parcels of land on the shore of Brandy and Black Ponds in Township T5-R14 WELS being a strip of land 250.00 feet wide extending from the High Water Line at an elevation of 941.59 MSL of said water bodies landward and to a line at all times 250.00 feet from said high

water line of said water body, more particularly described as follows:

Parcel One: West Shore of Brandy Pond

(re: Section 2.10.2 in the Corrective Deed recorded in Book 1561, Page 10)

Beginning on a blazed and painted line and a rebar set on the westerly shore of Brandy Pond on the Town Line between T5-R13 and T5-R14 WELS at UTM coordinates of N 16740694.69, E 1520891.40 feet;

Thence, southerly along said Town Line to a point that is 250.00 feet from the shore of said Pond;

Thence, northerly along a line that is always 250.00 feet from said high water line of said Pond crossing Brandy Brook to the Town Line between T5-R14 and T5-R13 WELS;

Thence, southerly along said Town Line again crossing Brandy Brook to the high water line of said Pond;

Thence, southerly along the high water line of said Pond to the Town Line between T5-R14 and T5-R13 and the point of beginning.

Parcel Two: West Shore of Black Pond

(re: Section 2.10.1 in the Corrective Deed recorded in Book 1561, Page 10)

Beginning on a blazed and painted line and a rebar set on the westerly shore of Black Pond on the Town Line between T6-R14 and T5-R14 WELS at UTM coordinates of N 16757466.19, E 1520717.25 feet;

Thence, southerly along the high water line of said Pond to the Town Line between T5-R14 and T5-R13;

Thence, southerly along said Town Line to a point that is 250.00 feet from the shore of said Pond;

Thence, northerly along a line that is always 250.00 feet from said high water line of said Pond to the Town Line between T5-R14 and T6-R14 WELS;

Thence, easterly along said Town Line to the point of beginning.

T6-R13 Black Pond and Umbazooksus Cove

(re: Section 2.11 in the Corrective Deed recorded in Book 1561, Page 10)

Certain parcels of land on the shore of Black Pond and Umbazooksus Cove in Township T6-R13 WELS being a strip of land 250.00 feet wide extending from the High Water Line at an elevation of 941.59 MSL of said water bodies landward and to a line at all times 250.00 feet from said high water line of said water body.

Parcel One: Umbazooksus Cove

(re: Section 2.11.2 in the Corrective Deed recorded in Book 1561, Page 10)

Beginning at a cedar post found and rebar set on the westerly shore of Umbazooksus Cove on the Town Line between T6-R13 and T5-R13 WELS at UTM coordinates of N 16757531.81, E 1545058.54 feet being, North 89°57'50" East, a distance of 20908.17 feet from the point of commencement described in Section 2.9.7 set forth in the Corrective and Confirmatory Deed

from Katahdin Paper Company LLC, Katahdin Timberlands LLC, and Katahdin Forest Management LLC to Great Lakes Hydro America, LLC, formerly known as GNE, LLC dated May 17, 2004 and recorded in the Piscataquis County Registry of Deeds in Book 1561, Page 10; Thence, westerly along said Town Line to a point that is 250.00 feet from the high water line of said Lake;

Thence, northerly along a line that is always 250.00 feet from said high water line of said Cove to a point on the westerly shore of Umbazooksus Stream that is also the Point of Beginning for the Umbazooksus connector so called;

Thence, easterly along said Connector to the intersection of the easterly high water line of said Connector and 250.00 feet from the high water line of Umbazooksus Cove;

Thence, easterly and southerly along a line that is always 250.00 feet from said high water line of said Cove to the Town Line between T6-R13 and T5-R13 WELS;

Thence, westerly along said Town Line to the high water line of said Lake;

Thence, northerly, westerly and southerly along said high water line of said Cove to the POINT OF BEGINNING.

Subject to a 100.00 foot wide right-of-way for an existing haul road as now exists and its westerly bounds described as follows:

Beginning at a point 50.00 feet westerly of the centerline of said existing haul road being, North 89°48'10" East, a distance of 340.32 feet from the point of commencement described in Section 2.9.1 as set forth in the Corrective and Confirmatory Deed from Katahdin Paper Company LLC, Katahdin Timberlands LLC, and Katahdin Forest Management LLC to Great Lakes Hydro America, LLC, formerly known as GNE, LLC dated May 17, 2004 and recorded in the Piscataquis County Registry of Deeds in Book 1561, Page 10;

Thence, continuing 50.00 feet westerly from the centerline of said road, North 43°31'10" East, a distance of 77.70 feet to a rebar set;

Thence, continuing, North 50°02'00" East, a distance of 301.56 feet to a rebar set;

Thence, continuing, North 23°59'50" East, a distance of 173.58 feet to a rebar set;

Thence, continuing, North 10°47'20" East, a distance of 612.25 feet to a rebar set;

Thence, continuing, North 08°09'50" East, a distance of 785.31 feet to a rebar set;

Thence, continuing, North 05°36'00" East, a distance of 117.62 feet to a rebar set;

Thence, continuing, North 08°21'50" East, a distance of 496.43 feet to a rebar set;

Thence, continuing, North 05°23'00" East, a distance of 304.21 feet to a rebar set;

Thence, continuing along a line that is always 50.00 feet westerly of the center line of the existing haul road to the point where it is 250.00 feet from the high water line of Umbazooksus Cove and the end of this exception.

Excepting a certain parcel of leased land on the easterly shore of the water connector between Umbazooksus Cove and Umbazooksus Lake on the northerly side of the Longley Stream Road so called in Township T6-R13 WELS as follows:

Beginning at a rebar set on the easterly shore of the connector stream and the northerly side of the Longley Stream Road at UTM coordinates of North 16762616.75, East 1548442.53 feet;

Thence, westerly along said Road to the Umbazooksus Stream;

Thence, northeasterly along said Stream;

Thence, South 73°13'30" East, to a rebar set that is, North 08°05'00" East, a distance of 200.00 feet from the last rebar set;

Thence, continuing on the same course, a distance of 244.81 feet to a rebar set;

Thence, South 08°05'00" West, a distance of 30 feet more or less to the side of said Road;
Thence, southwesterly along said Road to the POINT OF BEGINNING. Said parcel of land containing approximately 0.65 acres.

The above described parcel of land is based on a field survey conducted under the supervision of Daniel O. Bridgham, PLS #1027. Coordinates are UTM feet Census Datum, Zone 19 North. Location Control by Trimble XL Pro GPS, with a minimum of 600 observations.

Parcel Two: East Shore Black Pond
(re: Section 2.11.1 in the Corrective Deed recorded in Book 1561, Page 10)

Beginning at a cedar post found and rebar set on the northeasterly shore of Black Pond on the Town Line between T6-R13 and T6-R14 WELS at UTM coordinates of N 16763431.26, E 1,521,114.43 feet;
Thence, northerly along said Town Line to a point that is 250.00 feet from the high water line of said Pond;
Thence, southerly along a line that is always 250.00 feet from said high water line of said Pond to the Town Line between T6-R13 and T5-R13 WELS;
Thence, westerly along said Town Line to a cedar post found and a rebar set, being, South 27°10'40" East, a distance of 6646.75 feet from the point of beginning described immediately above, and also being the point of commencement for the next parcel described immediately below;
Thence, northerly, along said high water line of said Pond to the point of beginning.

The boundaries of the above described lands, by township, are shown on maps entitled "Conservation Easement from GLHA, LLC to State of Maine" attached hereto as Attachment I, to be recorded herewith (said lands sometimes hereinafter called the "Easement Lands"). The leased parcels identified on the Attachment I maps are not owned by Grantor, and are not part of the Easement Lands. The twelve (12) campsites listed in Attachment II are part of the Easement Lands.

Excepting and reserving on those lands that lie within the boundaries established by the Federal Energy Regulatory Commission in Ripogenus Project License #2572, dated October 22, 1996, for hydroelectric plants owned and operated by the Grantor the right to take all appropriate action necessary to ensure compliance with the requirements of the project license now or in the future, including, without limitation, the protection of public access to project lands and waters, and the protection of aesthetic, vegetative and water quality resources as well as compliance with

any specific requirements or plans, including, but not limited to requirements for habitat improvement, fishways, wetlands enhancement, artificial nesting structures for aquatic birds, existing or future recreational facilities constructed or maintained by the Grantor, management of historic properties and shoreline buffer zone management.

Also excepting and reserving from said Easement the right to reconstruct and maintain existing structures.

Also excepting and reserving from said Easement the right to construct and maintain any structures or facilities that may be required by any federal, state or local governmental body.

Also excepting and reserving from said Easement the right to construct, maintain and use, or grant others the right to construct, maintain and use, all structures and uses allowed under the FERC Ripogenus Project license, unless specifically prohibited by this Conservation Easement, including the right to manage and harvest timber (outside of the 100-foot vegetative buffer required under the FERC license) and build roads, provided that the Grantor agrees to notify the Grantee and work in good faith to address issues raised by the Grantee in connection with any significant new proposed use or structure on the Easement Lands. The Grantor shall not be obligated by this paragraph to address all issues raised.

The Conservation Easement conveyed herein consists of the following covenants and restrictions, which shall apply to the above-described parcels of land subject to the Conservation Easement:

- (1) No residential or commercial structures, including structures such as private or commercial boat docks, piers, or landings, shall or may be erected, except that construction of such structures, provided they are associated with camps or commercial leases existing as of the time of the execution of this Conservation Easement, shall be allowed. The Grantee shall be responsible for enforcing this prohibition and the Grantor

shall not be liable for actions by third parties in violation of this provision. Commercial structures shall be construed as those structures or facilities unrelated to recreational management activities as contemplated by this Conservation Easement; such commercial structures to include by way of example but not limited to those erected, installed, designed, or used in connection with a private business or enterprise, such as a gas station, store, or boat rental facility, but not to include structures related to operation of the hydropower project or required by FERC as part of the federal license for the hydropower project.

(2) The Grantee shall have the following rights within the Easement Lands subject to the Grantor's obligations under its FERC license:

- a) The Grantee has the right to erect, maintain and use administrative structures and to set aside administrative areas for the purpose of managing public use, provided that only such structures as are allowed under Grantor's FERC license will be allowed, and provided further that no such structures may be erected nor any such areas set aside unless the Grantor and the Grantee have executed a Lease, upon mutually satisfactory terms, for the land involved. The parties agree to exercise good faith in negotiating and entering into leases for such administrative structures and areas, and from time to time, in modifying such leases, and the administrative structures and areas covered by them, as circumstances and needs change in the future. The Grantee shall be responsible for obtaining any federal, state, or local approvals or permits necessary to erect, maintain, or use such administrative structures, except that the Grantor shall be responsible for using its good faith efforts to obtain any necessary FERC approval. For the purpose of this paragraph "Administrative Structures and Areas" shall include, but not be limited

to: caretaker quarters, service or storage buildings, service or access roads, power or communication lines, sanitary stations or privies, gates, entry contact stations, water taps, parking areas, directional signs, waste disposal areas, campsites, boat launching facilities, access sites and picnic areas;

- b) The Grantee has the right to collect recreational user fees for uses in areas leased pursuant to subparagraph (a) above, provided that any recreational user fees for lands within the FERC project boundary must comply with applicable provisions of any user fee plan prepared by the Grantor pursuant to Article 412 of the FERC license for the Ripogenus Project; and provided further that GLHA retains the right to collect user fees on any facilities it owns or maintains that are not leased to the Grantee, subject to GLHA's obligations under the FERC license and any applicable user fee plan submitted under that license;
- c) The Grantee has the ability to manage boat access, parking, camping and recreational activities within the Easement Lands, subject to GLHA's oversight as appropriate and to ensure GLHA's compliance with the FERC license. Due consideration shall be given to the recreation needs of the people of the State of Maine;
- d) The Grantee has the right through available legal means to enforce the terms of the Conservation Easement against the Grantor or any other person.

The Grantor excepts and reserves all rights in and to and uses of Easement Lands not inconsistent with the rights, covenants and restrictions set forth herein including the right to manage and harvest timber and other forest products. So long as the Ripogenus Project FERC license prohibits timber harvesting within a 100-foot vegetative buffer zone on lands within the FERC project boundary, the Grantor will not conduct timber harvesting within that buffer zone.

The prohibition on timber harvesting within the vegetative buffer zone shall be enforceable only by FERC.

Notwithstanding the covenants and restrictions contained herein, the Grantor reserves all rights to use the Easement Lands in any way necessary or appropriate as required by law for the safe and proper operation and maintenance of Grantor's hydroelectric plants which are or may be licensed by the Federal Energy Regulatory Commission or any successor agencies.

The Grantor shall allow public access on and across the Easement Lands for reasonable, non-intensive, and short term recreational uses consistent with the FERC license then in effect, and shall allow the Grantee access on and across the Easement Lands to assure compliance. Notwithstanding the foregoing, the Grantor may limit such access to designated areas of the Easement Lands or prohibit such access on and across the Easement Lands from time to time as Grantor determines necessary in order to carry out Grantor's hydropower-related purposes, for public safety, for site or facility security, to protect and enhance water quality, fish and wildlife resources, or to protect, maintain, and perpetuate those areas of the Easement Lands that contain rare, unusual, or culturally significant plants or plant communities, unusual natural features, or cultural, historic, or archaeological resources.

This Conservation Easement and all rights of the Grantee are subject to the agreements, leases, encumbrances, licenses, restrictions and easements now of record or in effect, with respect to, or affecting the above described real property, including those listed in Attachment II attached hereto. Grantor may renew, assign or transfer any such agreements, leases, encumbrances, licenses, restrictions or easements; provided that any such renewal, assignment or transfer is limited to substantially similar terms and conditions as presently exist. Grantor shall notify Grantee in writing of any such assignments or any such agreement, lease, encumbrance, license, restriction or easement.

Both parties recognize that all rights reserved or retained by Grantor in connection with the donation of this Conservation Easement are and shall remain subject to applicable requirements, regulations, and laws of state, federal, and local governmental bodies having jurisdiction, and that nothing in this Agreement for Conservation Easement will affect or supersede such legal requirements.

Grantee hereby agrees that should said FERC Ripogenus Project License #2572, issued October 22, 1996, be amended, the Grantor and the Grantee will negotiate in good faith to allow for such amendments to this Conservation Easement as Grantor or Grantee may reasonably request, and Grantor and Grantee hereby agree to provide documents in recordable form evidencing such amendments.

Wherever used herein, the term "Grantor" shall include the successors and assigns of the Grantor hereof. The Grantee has the right to assign its rights under this Agreement for Conservation Easement provided that the Grantee obtains the prior written consent of the Grantor to any such assignment.

By the acceptance of this Agreement for Conservation Easement, the State of Maine does hereby agree to the exceptions, reservations, covenants and restrictions, and terms and provisions set forth herein.

TO HAVE AND TO HOLD, the said rights, privileges and easements to said State of
Maine forever.

IN WITNESS WHEREOF, the said GREAT LAKES HYDRO AMERICA, LLC,
formerly known as GNE, LLC, has caused this instrument to be executed and its corporate seal
to be affixed hereto by its duly authorized representative this 8th day of May, 2009

GREAT LAKES HYDRO AMERICA, LLC
a Delaware limited liability company

Oliver Perrier
Witness

Brian R. Stetson
By Brian R. Stetson, General Manager

STATE OF MAINE
COUNTY OF Penobscot, ss

May 8, 2009

Personally appeared the above by Brian Stetson and acknowledged the foregoing
instrument to be his free act and deed in his/her said capacity and the free act and deed of said
GREAT LAKES HYDRO AMERICA, LLC

Before me,

Julie A. Day
Notary Public
Printed name: Julie A. Day
My commission expires:

Julie A. Day
NOTARY PUBLIC
State of Maine
My Commission Expires 9/1/2015

GRANTEE ACCEPTANCE

IN WITNESS WHEREOF, the STATE OF MAINE, acting by and through the DEPARTMENT OF CONSERVATION, BUREAU OF PARKS & LANDS hereby accepts the foregoing Agreement for Conservation Easement and has caused this instrument to be executed by Willard R. Harris, Jr., its Director, thereunto duly authorized, this 6 day of May, 2009.

Willard R. Harris, Jr.
Witness:

STATE OF MAINE
Department Of Conservation
Bureau Of Parks & Lands

By: Willard R. Harris, Jr.
Name: Willard R. Harris, Jr.
Title: Its Director

State of Maine
County of Kennebec, ss.

May 6, 2009

PERSONALLY APPEARED the above-named Willard R. Harris, Jr., Director of the Bureau of Parks & Lands as aforesaid, and acknowledged the foregoing instrument to be his free act and deed in his said capacity and the free act and deed of said Bureau of Parks & Lands.

Before me,

Jeannine Y. Lapointe
Notary Public
Printed name: _____
My commission expires: _____

JEANNINE Y. LAPOINTE
Notary Public • Maine
My Commission Expires September 5, 2010

CONSENT OF COMMISSIONER

Pursuant to Title 12 M.R.S.A. Section 1850(1), the Commissioner of the Department of Conservation hereby gives his consent to the above and foregoing Agreement for Conservation Easement. Executed this 6th day of May, 2009

STATE OF MAINE
Department of Conservation

By: Patrick K. McGowan
Patrick K. McGowan
Its Commissioner

STATE OF MAINE
County of Kennebec

Date: May 6, 2009

Then personally appeared the above-named Patrick K. McGowan, Commissioner of the Maine Department of Conservation and acknowledged the execution of the within Consent of Commissioner as his free act and deed in his said capacity and the free act and deed of the State of Maine.

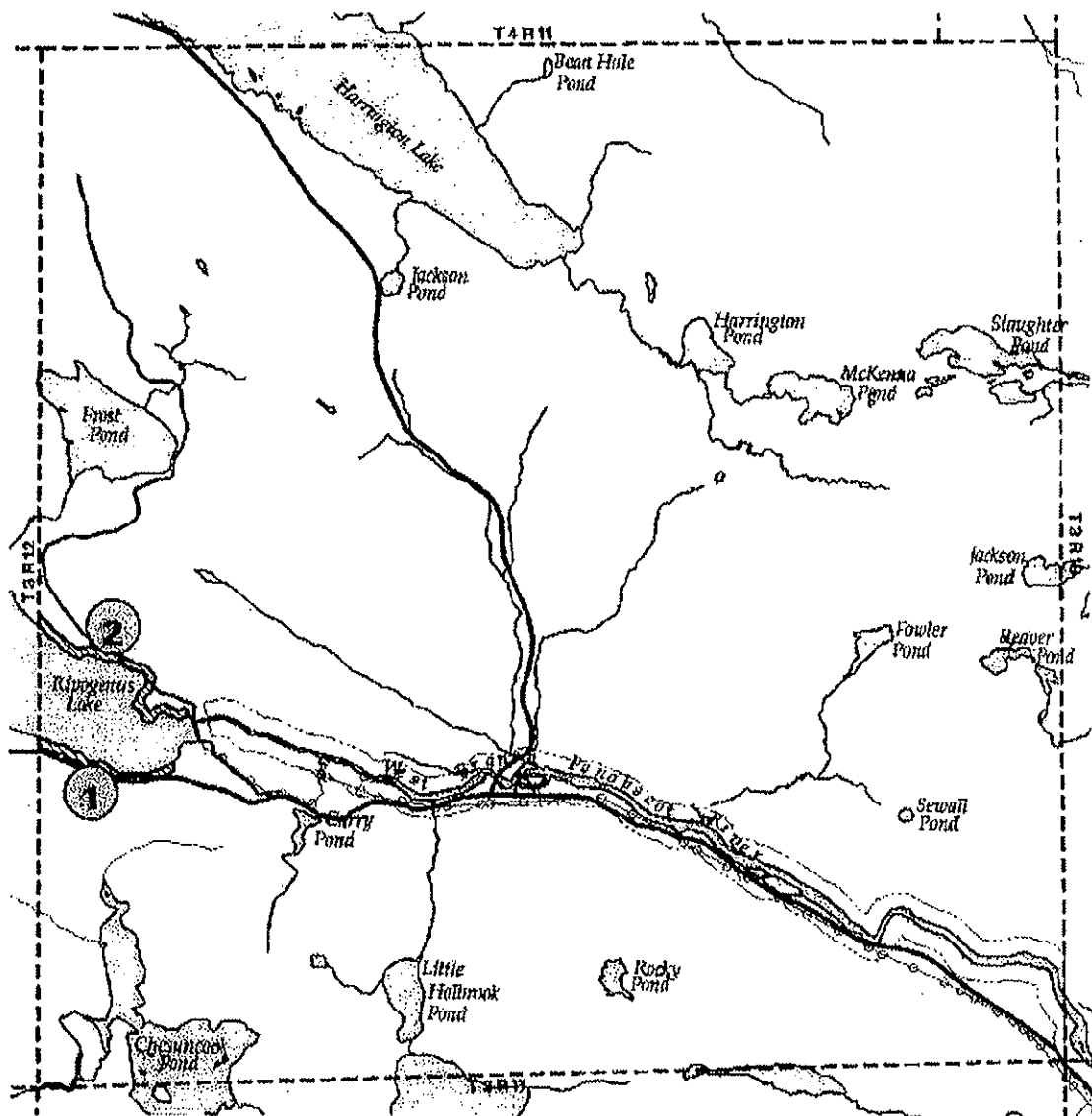
Before me,

Jeannine Y. Lapointe
Notary Public/Attorney at Law
Print Name: _____
My commission expires: _____
Seal: _____

JEANNINE Y. LAPOINTE
Notary Public • Maine
My Commission Expires September 5, 2010

Attachment I

See maps of Conservation Easement areas on certain portions of Chesuncook and Ripogenus Lakes and Brandy and Black Ponds.



Conservation Easement From GLHA, LLC To State of Maine

T 3R11 WELS

SCALE 1" = 1 Mile



Parcel #

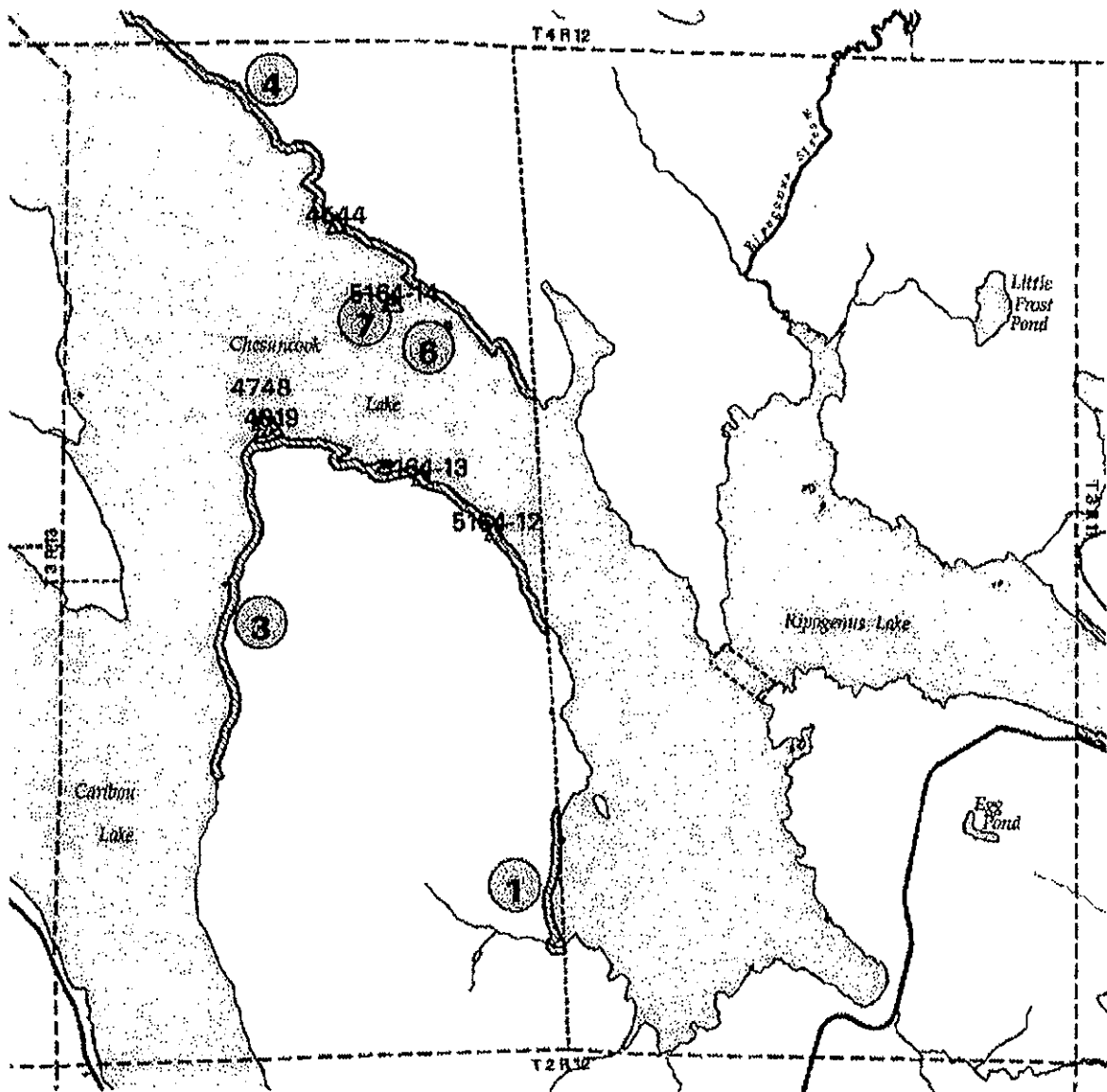


Easement

5164-12

Lease #





Conservation Easement From GLHA, LLC To State of Maine



T 3R12 WELS
SCALE 1" = 1 Mile



Parcel #

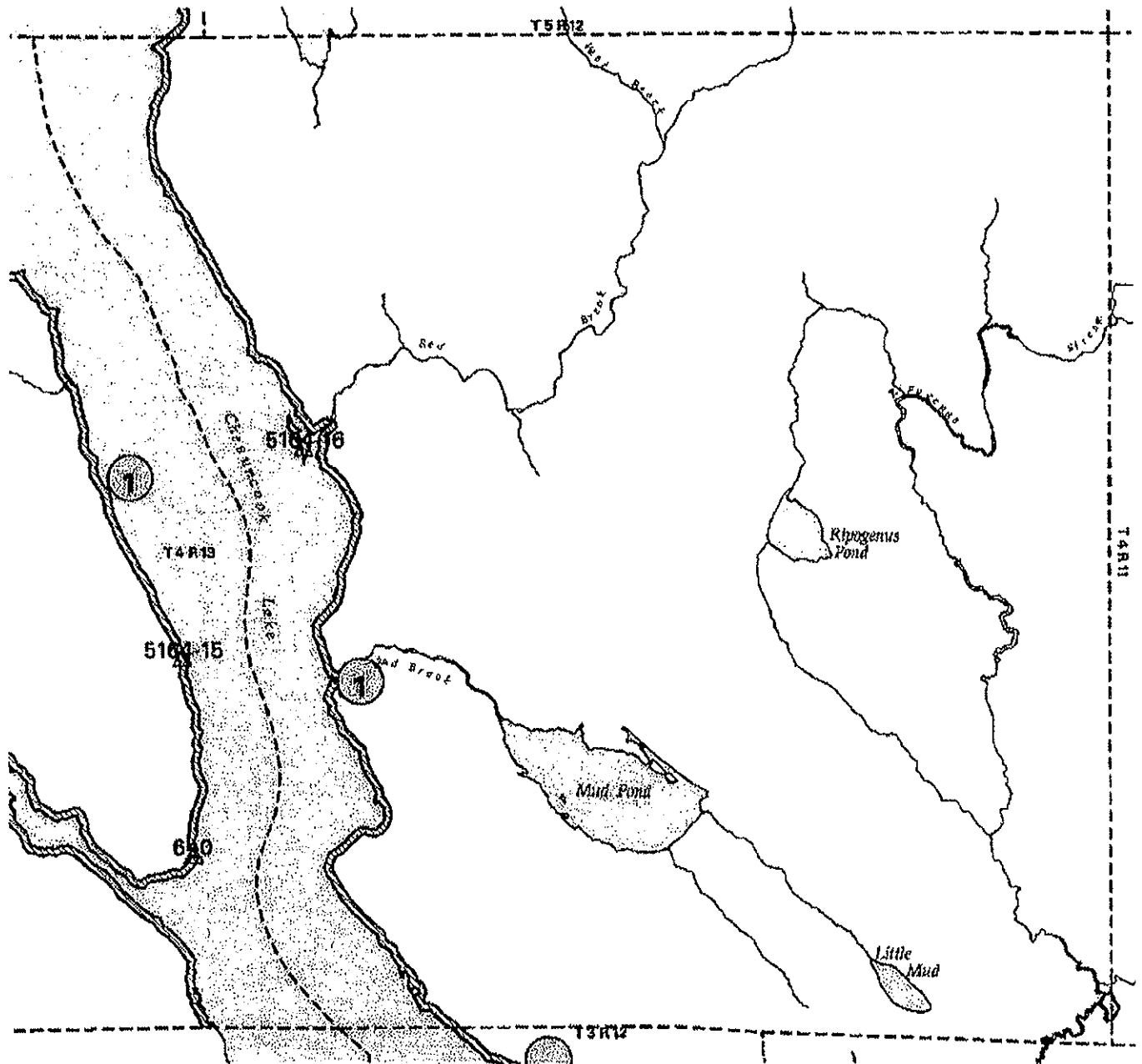


Easement

5164-12

Lease #





Conservation Easement From GLHA, LLC To State of Maine

T 4 R 12 WELS
SCALE 1" = 1 Mile

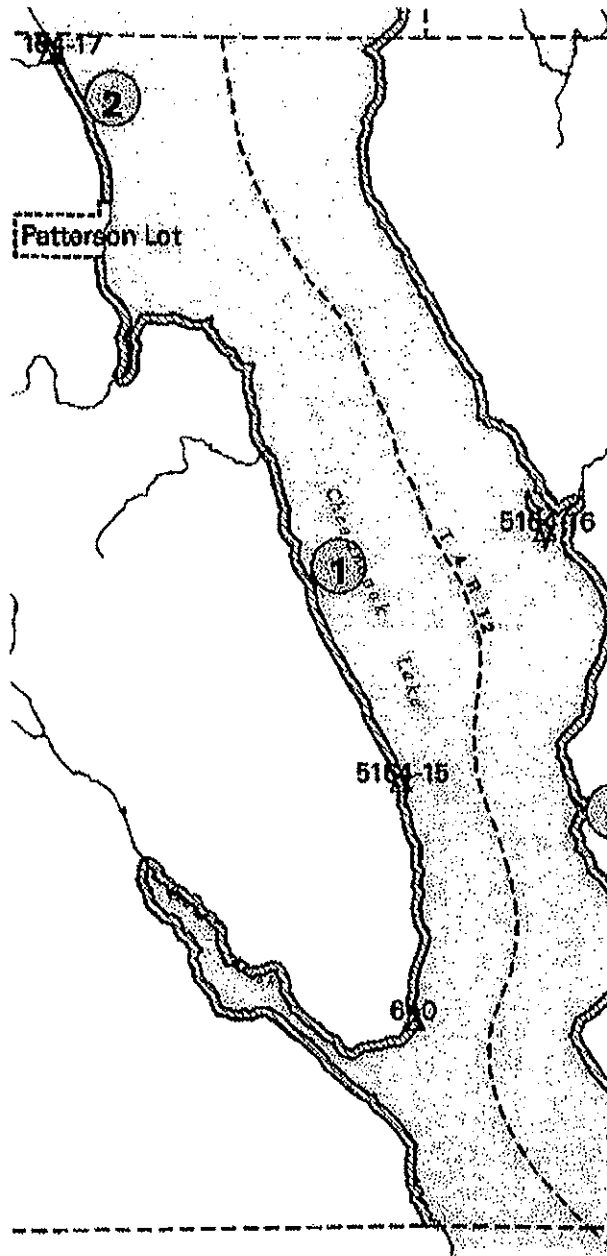


12 Parcel #

Easement

5164-12 Lease #





Conservation Easement From GLHA, LLC To State of Maine

T 4R13 WELS
SCALE 1" = 1 Mile



Parcel #

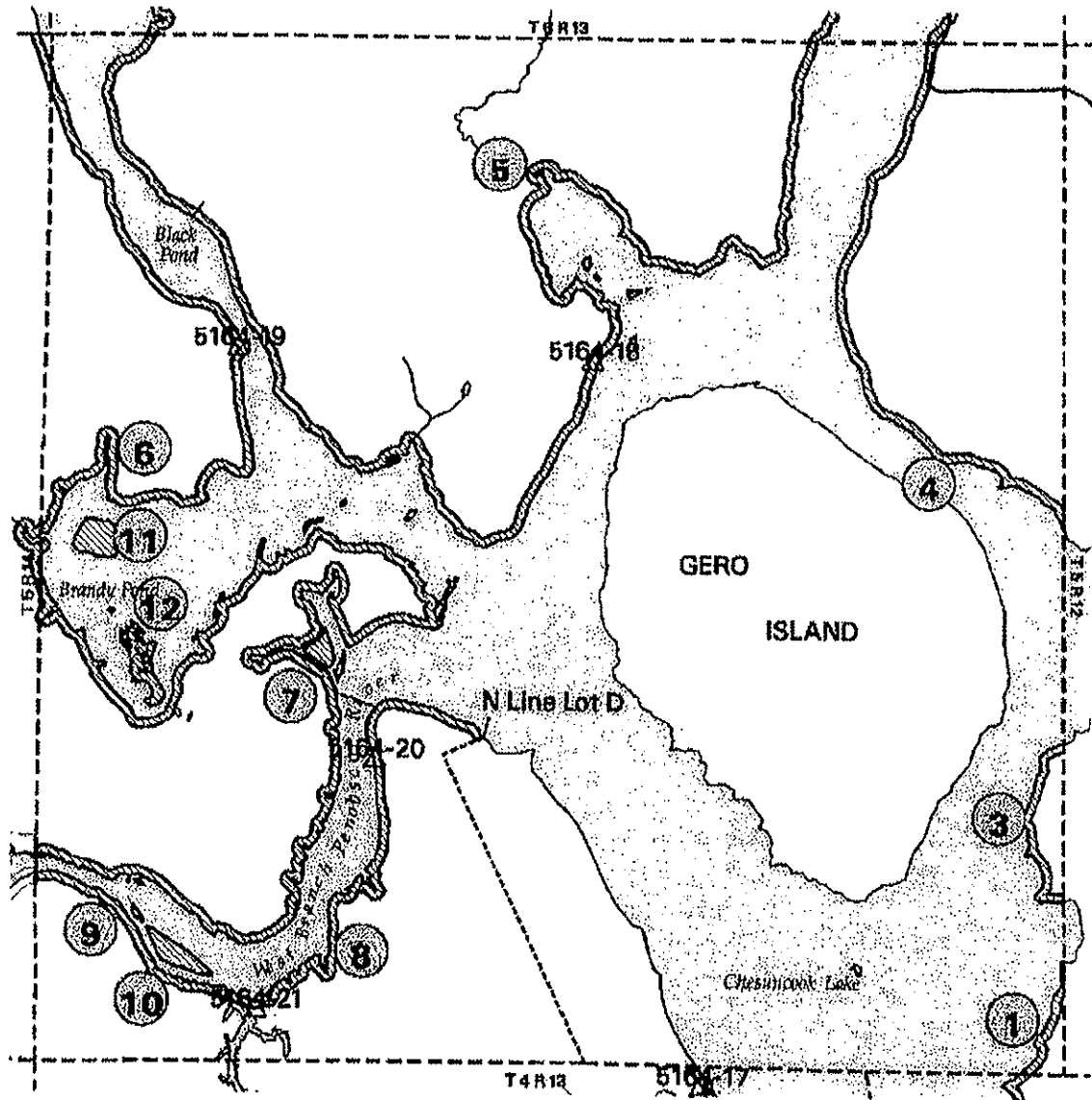


Easement

5164-12

Lease #





Conservation Easement From GLHA, LLC To State of Maine

T 5 R 13 WELS
SCALE 1" = 1 Mile



Parcel #

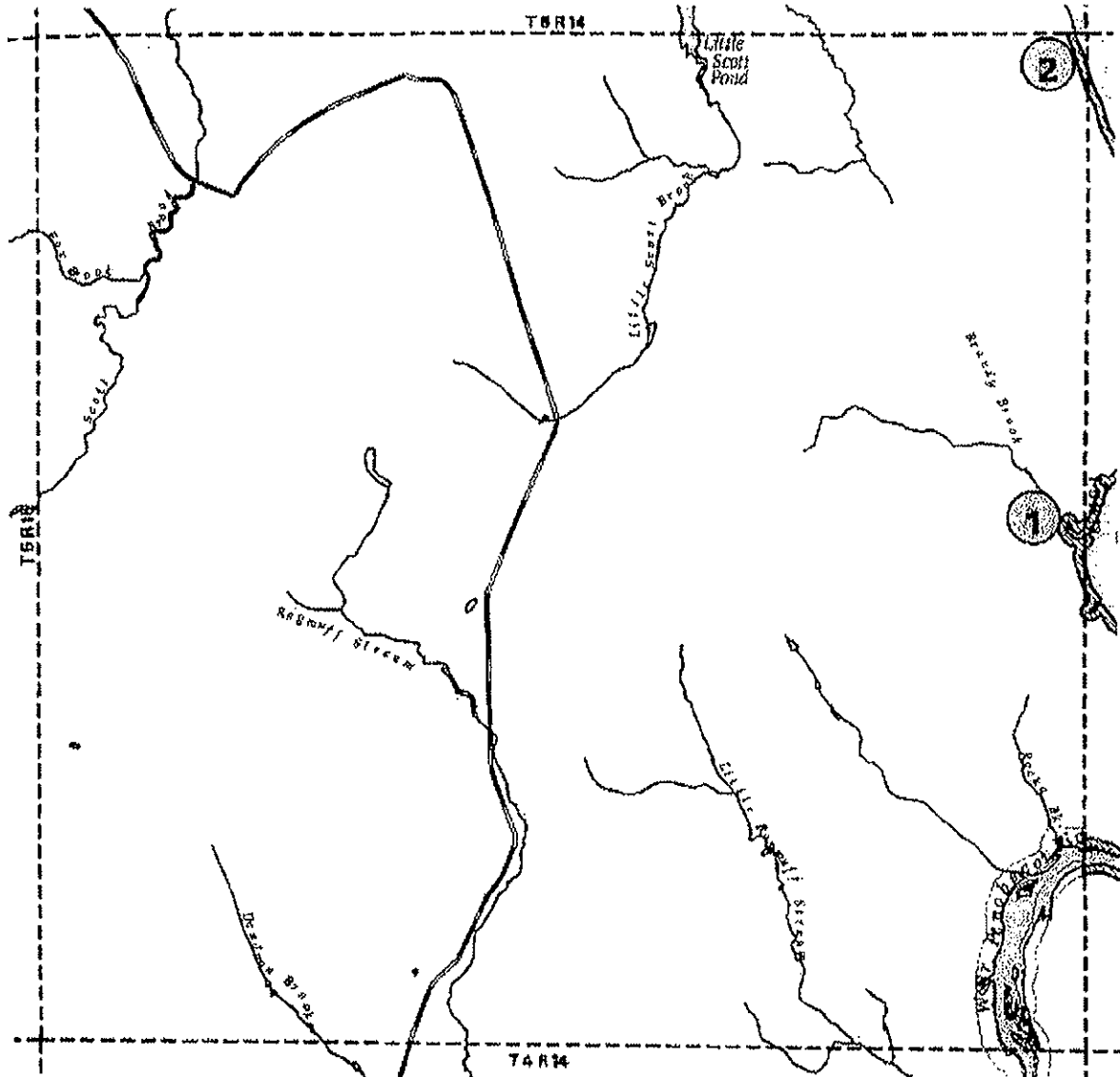


Easement

5164-12

Lease #





Conservation Easement From GLHA, LLC To State of Maine

T 5R14 WELS
SCALE 1" = 1 Mile



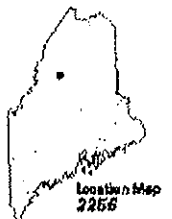
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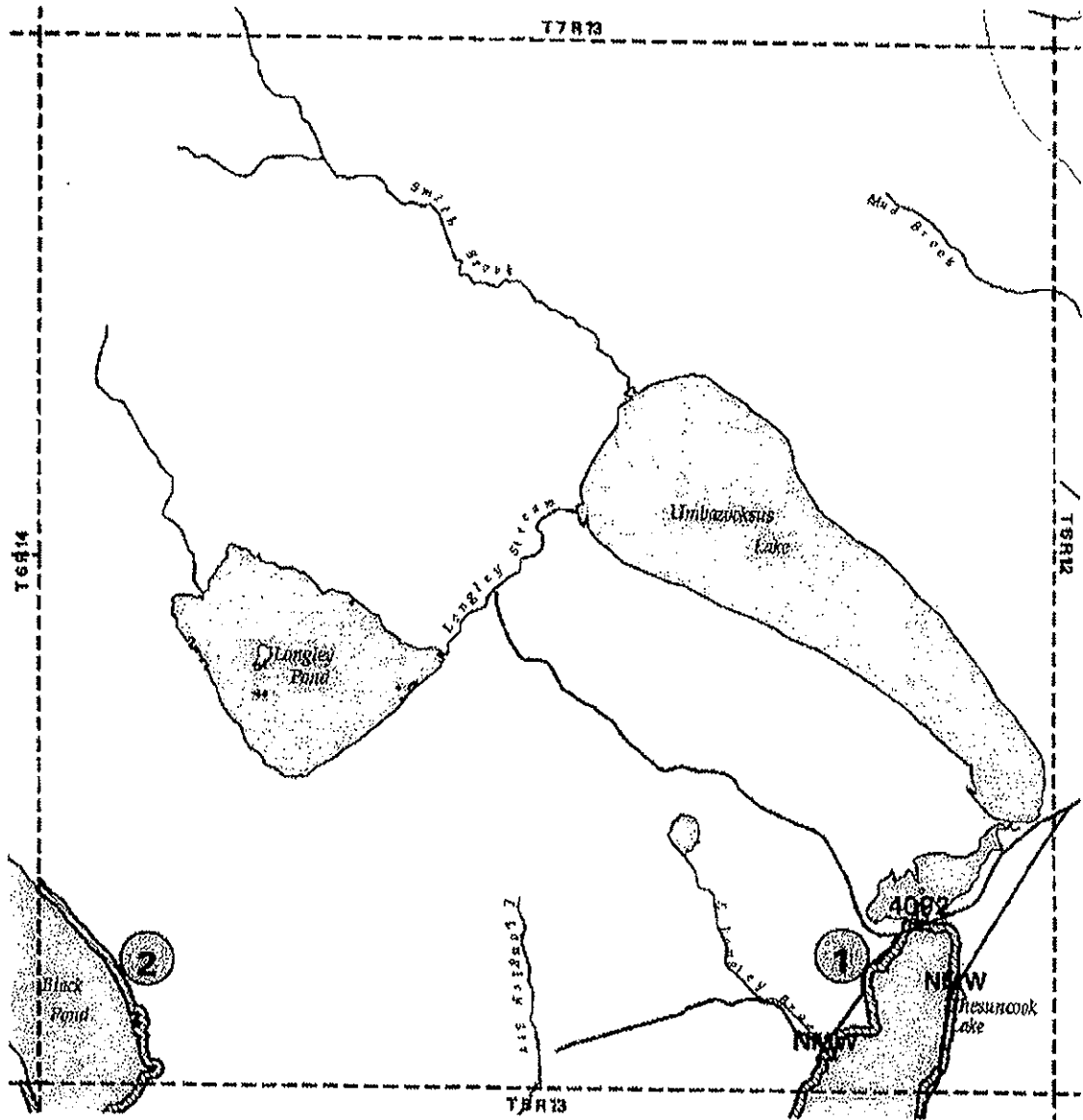


Easement

5164-12

Lease #





Conservation Easement From GLHA, LLC To State of Maine

T 6R13 WELS
SCALE 1" = 1 Mile



12 Parcel #



Easement

5164-12

Lease #



Attachment II

LEASES AND ENCUMBRANCES ON 2009 AGREEMENT FOR CONSERVATION EASEMENT, RIPOGENUS PROJECT

<u>Lease #/Date</u>	<u>Lessee</u>	<u>Approx. Location</u>
5164, 06/01/94	Maine Department of Conservation, Bureau of Parks and Lands	T3, R12 – Sunrise Cove (marked on Attachment I as 5164 – 12)
5164, 06/01/94	Maine Department of Conservation, Bureau of Parks and Lands	T3, R12 – Cardesa Point (marked on Attachment I as 5164 – 13)
5164, 06/01/94	Maine Department of Conservation, Bureau of Parks and Lands	T3, R12 – Mauser’s Island (marked on Attachment I as 5164 – 14)
5164, 06/01/94	Maine Department of Conservation, Bureau of Parks and Lands	T4, R13 – West shore, Chesuncook Lake (marked on Attachment I as 5164 – 15)
5164, 06/01/94	Maine Department of Conservation, Bureau of Parks and Lands	T4, R12 – East shore, Chesuncook Lake at Red Brook (marked on Attachment I as 5164 – 16)
5164, 06/01/94	Maine Department of Conservation, Bureau of Parks and Lands	T4, R13 – West shore, Chesuncook Lake (marked on Attachment I as 5164 – 17)
5164, 06/01/94	Maine Department of Conservation, Bureau of Parks and Lands	T5, R13 – Longley Stream (marked on Attachment I as 5164 – 18)
5164, 06/01/94	Maine Department of Conservation, Bureau of Parks and Lands	T5, R13 – Canvas Dam Campsite (marked on Attachment I as 5164 – 19)
5164, 06/01/94	Maine Department of Conservation, Bureau of Parks and Lands	T5, R13 – Pine Stream (marked on Attachment I as 5164 – 20)
5164, 06/01/94	Maine Department of Conservation, Bureau of Parks and Lands	T5, R13 – Boom House Campsite (marked on Attachment I as 5164 - 21)

Other Encumbrances	Grantee	Description/Location
Management Agreement dated 04/01/90	North Maine Woods	T6, R13 – Two campsites on Umbazooksus cove (marked on Attachment I as “NMW”)

**PENOBSCOT MILLS HYDROELECTRIC PROJECT
(FERC NO. 2458)**

DRAFT SHORELINE MANAGEMENT PLAN

**GREAT LAKES HYDRO AMERICA, LLC
Millinocket, Maine**

July 2025

PENOBSCOT MILLS HYDROELECTRIC PROJECT (FERC NO. 2458)
DRAFT SHORELINE MANAGEMENT PLAN

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DRAFT Shoreline Management Plan

1.0 Introduction

Great Lakes Hydro America, LLC (“GLHA” or “Licensee”) is the Licensee of the Penobscot Mills Hydroelectric Project (FERC No. 2458) (“Penobscot Mills Project” or “Project”). The Project is located on the West Branch of the Penobscot River (West Branch) and Millinocket Stream in Piscataquis and Penobscot Counties, Maine.

On October 22, 1996, FERC issued a new, 30-year license for the Project, which expires on September 30, 2026. GLHA is in the process of pursuing a new license from FERC for the continued operation and maintenance of the Project. On September 30, 2024, GLHA filed the Final License Application (FLA) for the continued operations and maintenance of the Project. In the FLA, GLHA proposed to continue to implement the Shoreline Management Plan (SMP) established for the Project under the 1996 license to be updated, as necessary, for continued implementation under the term of the new license to be issued by FERC.

This SMP is a comprehensive plan to manage the multiple resources and uses of the Project’s shorelines in a manner that is consistent with license requirements and Project purposes and addresses the needs of the public.

1.1 Overview of Penobscot Mills Project

The Penobscot Mills Project includes five developments (four hydropower developments and one storage development). The four hydropower developments are (listed in descending order from upstream to downstream): North Twin, Millinocket, Dolby, and East Millinocket, which are located between river mile (RM) 15 and 2, respectively, on the West Branch. The Millinocket Lake Storage Development is located on Millinocket Stream, which enters the West Branch downstream of the Millinocket Development. The total authorized installed capacity of the Penobscot Mills Project is 67.7 MW.

Millinocket Lake Storage Development

The principal works of the Millinocket Lake Storage Development include: 1) an impoundment having a normal full pond elevation of 480.0 feet with a surface area of 8,640 acres; 2) a concrete

and earth-filled dam, measuring approximately 635 feet in length, located at the outlet of Millinocket Lake; and 3) a pumping station containing two pumps, located approximately 6.2 miles from the dam, two 4-foot, 6-inch-diameter steel pipes measuring approximately 544 feet in length, and a concrete outlet structure discharging to Ambajejus Lake (within the North Twin impoundment). No hydroelectric generating facilities are located at this development.

North Twin Development

The principal works of the North Twin Development include: 1) an impoundment (comprised of Ambajejus Lake, Pemadumcook Lake, North Twin Lake, South Twin Lake, and Elbow Lake) having a normal full pond elevation of 491.92 feet with a surface area of 17,790 acres; 2) a concrete and earth-filled dam measuring approximately 1,051 feet in length, including an intake structure and powerhouse containing three turbine-generator units and appurtenant equipment; 3) a series of six earthen dikes having a combined length of 2,530 feet, located upstream of the dam; 4) a 60 Hertz (Hz) substation containing six transformers; and 5) a transmission line approximately 4.2 miles in length that extends to the last transmission pole structure before entering GLHA's Millinocket Substation #4.

Millinocket Development

The principal works of the Millinocket Development include: 1) an impoundment (comprised of Quakish Lake and Ferguson Pond) having a normal full pond elevation of 458.7 feet with a surface area of 1,344 acres; 2) a concrete dam (Stone Dam) measuring approximately 1,262 feet in length; 3) a gatehouse located at the dam, containing ten gates and a sluiceway; 4) three earthen dikes in Quakish Lake with a total length of 1,854 feet; 5) five earthen dikes in Ferguson Pond with a total length of 3,195 feet, a "western" canal leading from the gatehouse to Ferguson Pond, and an "eastern" canal leading from Ferguson Pond to the intake structure, all of which are used to convey water from the gatehouse at Stone Dam to the intake structure located approximately 7,300 feet from Stone Dam; 6) an intake structure containing seven headgates, located at the entrance of the penstocks; 7) six 10-foot-diameter steel penstocks and one 11-foot-diameter steel penstock ranging in length from 1,007 feet to 1,024 feet; 8) a powerhouse containing seven operable turbine-generator units, of which five are located within the former Grinder Room and two are in the Generator Room; 9) two transformers, one having a rated capacity of 30/40/50

megavolt-amperes (MVA) and one at 24/34/40 MVA; and 10) two 60 Hz transmission lines approximately 300 feet in length (one 6.9 kilovolt [kV] and one 13.8 kV).

Dolby Development

The principal works of the Dolby Development include: 1) an impoundment having a normal full pond elevation of 336.2 feet with a surface area of 2,048 acres; 2) a concrete and earth-filled dam measuring approximately 1,395 feet in length, including an intake structure and powerhouse integral with the dam containing four operable turbine-generator units and other appurtenant equipment; 3) a 60 Hz substation containing one transformer having a rated capacity of 15/20 MVA and a second transformer with a rated capacity of 5 MVA; and (4) a transmission line extending approximately 2 miles to the last transmission pole structure before entering GLHA's Powersville Substation.

East Millinocket Development

The East Millinocket Development is located at the former East Millinocket Mill, approximately 2.3 miles upstream of the confluence of the West and East Branches of the Penobscot River and 1.7 miles upstream of Black Bear Hydro Partners, LLC's Medway Hydroelectric Project (FERC No. 2666). The principal works of the East Millinocket Development include: 1) an impoundment having a normal full pond elevation of 287.2 feet with a surface area of 128 acres; 2) a concrete and earth-filled dam measuring approximately 717.5 feet long, including an intake structure and powerhouse integral with the dam containing six turbine-generator units; and 3) a tailrace measuring approximately 1,050 feet long.

1.2 Overview of Shoreline Management Plan

Prior to issuance of the 1996 FERC license, the designated Project boundary around the Penobscot Mills Project shorelines was at or near the normal full pond elevation for each of the Penobscot Mills Project impoundments. During relicensing of the Project in the 1990s, an expansion of the Project boundary along the impoundments' shorelines to protect aesthetic resources, water quality, wildlife habitat, and recreational opportunity was discussed among FERC, the licensee, resource agencies, and stakeholders. FERC and the licensee agreed to expand the Penobscot Mills Project boundary 200 ft from the normal full pond elevation on licensee-owned lands at each of the Project's impoundments, excluding existing leased lots, the mill sites,

and other highly developed areas. Because of special considerations regarding the mill properties in Millinocket and East Millinocket and segments of the Project shoreline and islands that are highly developed with camps and house lots, certain limited portions of the licensee-owned Project shoreline are excluded from the Project boundary. The FERC Project boundary, including the areas where the boundary is expanded 200 feet from the normal full pond elevation, is shown on the Exhibit G Project Boundary Maps provided in Attachment 1 of this SMP.

Pursuant to Article 418 of the 1996 license, the licensee developed a SMP for the lands that are within the expanded Project boundary. The SMP was filed with FERC on October 20, 1997, and approved by FERC via order issued January 4, 1999. A revised SMP was filed with FERC on September 26, 2001, which was approved by FERC via order issued February 12, 2002. The SMP and Exhibit G drawing were revised as the result of field surveys of the Project and associated facilities to identify the assets to be conveyed from the transfer of the license from Great Northern Paper to GNE, LLC. The SMP was again revised in 2011 and approved by FERC via order issued February 16, 2011. The SMP was revised as a result of additional recent surveying of the developed lots surrounding the North Twin impoundment, which required removal from the boundary of two very small parcels (0.6 acres and 0.1 acres) that are classified as developed areas.

There are approximately 2,700 acres of protected Project shoreline, excluding highly developed shoreline areas and former mill properties. Out of those 2,700 acres, 385 acres were reserved for future development as requested by the Town of Millinocket. This provides approximately 2,300 acres of Project lands for recreational use and aesthetic values.

The Project boundary at the Millinocket Lake Storage Development is defined as the normal full pond elevation (480 ft NGVD29), plus an additional 10-linear-foot buffer from this elevation. In addition, on the western side of Millinocket Lake and the entire southern shore, the Project boundary was expanded 200 ft from the normal full pond elevation on licensee-owned lands, excluding existing leased lots, consistent with the other Project impoundments. On the south shore of the lake, starting from the pumping station and extending east to about 0.5 mile north of the Millinocket Lake Dam, there are lands that are developed or reserved for future development that are excluded from the Project boundary (as indicated on the Exhibit G drawings provided in Attachment 1).

The SMP also includes procedures for complying with the buffer zone requirements, and provisions for enforcement. The SMP makes it clear that in all cases, in addition to complying with the requirements of the SMP, any land management or development activities undertaken on Project lands must also be allowable under and in conformance with the standard land use article and other provisions of the FERC Project license.

In addition to the shoreline buffer lands identified at the Penobscot Mills Project through the SMP, there are also five areas (Recreation Areas 1 through 5) that were set aside in 1966 at the North Twin impoundment for potential future recreation needs (which are located within the Penobscot Mills Project boundary). In 2002, Recreation Area 3 was removed from the Project boundary due to the large number of existing leases. Currently, there are four areas located within the Project boundary, identified as Recreation Areas 1, 2, 4, and 5 on the Exhibit G drawings, that are reserved for future recreation use/development. This SMP applies to these areas within the FERC Project boundary.

Within the 200-foot Shoreline Buffer Zone, the SMP generally requires a 200-foot building setback (Building Setback Zone) and a 100-foot vegetative buffer (Vegetative Buffer Zone), within which no timber harvesting can occur.

1.3 Shoreline Management Plan Objectives

The overall objectives of the Shoreline Plan are:

- To protect water quality for present and potential uses, including hydroelectric power generation consistent with the terms of the Project's FERC license, and including public access to Project lands and impoundments;
- To prohibit additional commercial and residential structures within 200 feet of the normal full pond elevation on Project lands except as set forth in this SMP;
- To prohibit timber harvesting within 100 feet of the normal full pond elevation on Project lands and to describe how the licensee will conduct forest management activities, including timber harvesting, on lands outside of the 100-foot Vegetative Buffer Zone;

- To provide for the continued protection of the natural resource and recreational values of these areas consistent with the land use activities described in this SMP and allowed under the Project's FERC license.

The SMP also includes procedures for complying with the buffer zone requirements and provisions for enforcement. The SMP makes it clear that, in all cases, in addition to complying with the requirements of the SMP, any land management or development activities undertaken on Project lands must also be allowable under and in conformance with the standard land use article and other provisions of the FERC license for the Project.

2.0 Shoreline Buffer Zone

2.1 Project Boundary

Per the 1996 license, FERC determined that a 200-foot expansion of the Project boundary on licensee-owned lands around the Penobscot Mills Project's nine sub-impoundments was appropriate, and that the Project boundary should exclude lots currently under lease on these impoundments. Because of special considerations discussed below regarding the former mill properties in Millinocket and East Millinocket and segments of the Project shoreline and islands that are highly developed with camps and house lots, certain limited portions of the licensee-owned Project shoreline are excluded from the Project boundary. In addition, and in response to a request from the Town of Millinocket, segments on certain Project impoundments were excluded to allow for possible future development. Even excluding these areas, the expanded Project boundary encompasses an area of over 2,300 acres.

2.1.1 Exclusion of Former Mill Properties from Project Boundary.

The former mill properties in the Towns of Millinocket¹ and East Millinocket pose very different considerations with respect to allowable uses and current conditions than the remainder of the shorelines around the Project's nine sub-impoundments. They are industrial properties on which papermaking operations occurred for many decades, and they do not represent a recreational or

¹ With respect to the former mill property in Millinocket, there is a small segment of the shoreline of Ferguson Pond along the northernmost shore that is adjacent to and contiguous with the property. This shoreline segment, which contains portions of State Route 11 and the Golden Road, was excluded from the expanded project boundary as it was considered part of the former mill property.

aesthetic resource to the public. Therefore, these two properties were excluded from the expansion of the Project boundary.

2.1.2 Exclusion of Highly Developed Segments from Project Boundary

Over 800 leases of camp lots were historically granted around the Project's impoundments and on islands within the impoundments. In many instances, these lots are concentrated on certain portions of the Project shoreline and islands, and most have subsequently been sold and are now privately owned. Segments of highly developed shoreline exist on seven of the Project's nine sub-impoundments including: Millinocket Lake, Ambajejus Lake, Pemadumcook Lake, North Twin Lake, South Twin Lake, Quakish Lake, and Dolby Pond. On some of these highly developed segments of the shoreline, there are small pockets between existing lots which are not currently leased or privately owned. Similarly, some of the islands that include camp lots also include areas that are not currently leased or privately owned. Although the vast majority of these pockets are not developed due to lot size, slope, wetlands or other site conditions, they were excluded from the Project boundary for the reasons noted below.

The 1996 FERC license directed that existing camp lot leases be excluded from the Project boundary. On segments that are highly developed, however, attempting to exclude leased lots individually would have created a jagged Project boundary avoiding numerous leased lots to include small pockets of largely undevelopable land in areas that are already devoted to camp lots. Similarly, for islands that contained leases, seeking to treat the leased areas as excluded from the Project boundary while including any remaining areas within the Project boundary would have created a convoluted Project boundary. The result would be a shoreline management scheme that is both unnecessarily complex and burdensome to administer.

Most islands on which there are camp or house lots are excluded from the Project boundary, regardless of whether a portion of the island is not leased or privately owned. Islands on which there are no current camp or house lots are included within the Project boundary.

For shoreline areas around the impoundments, each area on which there are camp or house lots is treated as a separate parcel. Where there are two or more lots on a given parcel, the parcels are treated as a unit rather than treating the lots individually.

As noted above, some of the highly developed shoreline segments include areas that are not currently leased or privately owned. A table is provided in Attachment 2, which provides, for each of these parcels (other than islands) containing one or more lots, an approximation of: (1) the total amount of shoreline footage in the parcel; (2) the amount of shoreline footage that is currently designated as a house or camp lot and not owned by GLHA; and (3) the amount of shoreline footage, if any, that is not currently leased or privately owned. For each impoundment, summary information is also provided estimating the percentage of the impoundment shoreline that is exempted from the Project boundary and the percentage of these segments that is exempted but not currently designated as house or camp lot. The table in Attachment 2 describes only those portions of the Project boundary that are excluded.

The highly developed segments represent in total only a fraction of the total Project boundary. Regarding the portions of these segments that are not currently designated as a camp or house lot but are exempted from the Project boundary, these portions will remain subject to applicable development restrictions of state and local law. For these segments, a significant administrative benefit to both FERC and the licensee will be gained by continuing to treat the segments as a unit rather than excluding only individual lots from the Project boundary.

2.1.3 Exclusion of Areas for Possible Future Development

The Town of Millinocket requested that certain shoreline areas be reserved for future development. In response to this request, the licensee excluded segments from the Project boundary that can be used for possible future development on certain Project impoundments. In total, the licensee has excluded approximately 385 acres of Project shoreline from the expanded Project boundary to allow for such future development.

Two of the impoundments -- Millinocket Lake and North Twin Lake -- already have a significant number of camps and house lots, and the licensee has reserved, for future development, areas adjacent to this existing development. A small portion of Elbow Pond is also included, because it is contiguous with the parcel exempted on North Twin Lake. A small strip on Quakish Lake is reserved for possible future development near the Town of Millinocket. Several of the larger islands within Pemadumcook Lake, Millinocket Lake and Elbow Pond are also excluded for future development, since these islands are proximate to existing developed shoreline areas. Additionally, two small segments on Ferguson Pond are excluded to allow for future commercial or other

development near an existing commercial area owned by the water utility company for the town of Millinocket.

2.2 Buffer Zone Restrictions

Within the expanded Project boundary, there are two buffer zones: a 200-foot building setback and a 100-foot vegetative buffer.

2.2.1 Building Setback

The Building Setback Buffer Zone includes lands within the 200-foot expanded Project boundary where additional commercial and residential development is prohibited, unless allowed by the FERC license.

GLHA, with FERC's oversight, will remain responsible for controlling the amount, type and location of any structures and activities on Project lands in accordance with this SMP.

2.2.2 Vegetative Buffer Zone

GLHA will continue to maintain a 100-foot Vegetative Buffer Zone (100 feet from the normal full pond elevation) within the 200-foot expanded Project boundary areas around the Project impoundments. Within this zone, timber harvesting will not be conducted. While no timber harvesting is allowed within the Vegetative Buffer Zone, minimal tree and brush clearing to allow for the structures and activities otherwise permitted under the FERC license and this SMP will be permitted.

3.0 Standard Land Use Article

Upon issuance of the new license for the Project, this SMP will be updated to incorporate the provisions of the standard land use article and how GLHA will comply with the provisions of the article.

4.0 Shoreline Management Program and Enforcement

To ensure that the requirements of the FERC license to be issued and this SMP are met, GLHA will implement the Shoreline Management Program described in detail below to manage the

amount, type and location of uses and structures on Project lands. The general program elements are as follows.

When a non-project use of Project lands and waters is proposed within the Project boundary, either by GLHA or another entity, GLHA will review the proposal and the proposed site to determine whether the structure or activity is appropriate for the location. A particular activity may or may not be considered appropriate for any given location based on a variety of site-specific or more general factors. If GLHA determines that the proposed activity or structure is appropriate for a given location, GLHA would then determine whether it is allowable under the FERC license and this SMP. If the proposal is of the type that requires GLHA to notify FERC or to obtain prior approval from FERC per the standard land use article, then GLHA will be responsible for ensuring that such notification is properly and timely made, and that any necessary FERC approval is obtained.

Once GLHA has reviewed the proposal and obtained necessary FERC approval, GLHA will allow the use to proceed provided that certain requirements are met. Requirements may vary depending on the type of project involved, but in each case, GLHA will require that, prior to the start of any construction, all necessary federal, state or local permits or approvals be obtained and, for non-project uses undertaken by others, that notification is provided to GLHA that all such approvals have been obtained.

GLHA will also require that notification be provided when construction or installation of the non-project use or facility is completed and, for uses undertaken by others, that they certify that the work has been completed in accordance with any applicable laws, permits, or approvals. GLHA will then review each site to ensure that all program requirements and FERC license requirements have been met.

If at any time GLHA becomes aware that any such structure or activity is in violation of GLHA's SMP, the FERC license, or other applicable law, GLHA will take appropriate actions to promptly address such violations, which may include:

- Notification to the grantee of non-compliance with GLHA requirements or federal, state, or local laws;

- Withdrawal of permission to continue activity on GLHA lands (e.g., cancellation of lease, termination of contract); or
- Notification to appropriate federal, state or local agencies of possible violations.

5.0 Shoreline Management Program: Allowed Non-Project Uses and Conditions on Project Lands

GLHA will manage activities within the Project boundary in accordance with the Shoreline Management Program described herein, which is designed to comply with the terms of GLHA's FERC license and this SMP. GLHA retains the authority to grant permission for certain types of use and occupancy of Project lands and waters and to convey certain interests in Project lands provided that the requirements of the license are met. In the following sections, GLHA sets forth the program it will implement to manage allowable non-Project uses of Project lands in compliance with FERC's requirement that such uses and occupancies be consistent with the protection and enhancement of the scenic, recreational, and other environmental values of the Project. As further described below, GLHA will retain the responsibility for supervising and controlling the uses and occupancies of all Project lands to ensure that FERC license requirements and requirements of this SMP are met.

GLHA has separated the major types of use that it anticipates will occur on Project lands and has included individual sections describing its plans for conducting and managing such uses. Those uses are: (1) public recreation and access and (2) timber harvesting. In addition, GLHA has provided a description of how it will manage the development of these and other uses and structures on Project lands in accordance with what is allowed under FERC's standard land use article.

5.1 Major Land Uses Allowed on Project Lands

5.1.1 Recreation and Public Access

GLHA maintains a policy of open access to its lands. With the exception of Project lands on which there are Project facilities relating to the operation of the hydroelectric Project, lands within the Project boundary are open to the public for recreation and will remain so, in accordance with the FERC license, unless particular areas need to be closed to the public for

reasons of public safety, protection of property, safe management of the land for timber harvesting, or for other similar reasons not currently foreseen by GLHA.

Should it become necessary at any time during the license term for GLHA to repair, reconstruct or maintain existing recreational facilities within the Project boundary, the Project license specifically provides that GLHA retain the right to do so, and FERC approval for such activities would not be required. Under the terms of the new license, GLHA would remain responsible for maintaining public access and managing recreational use on Project lands.

5.1.2 Timber Harvesting

No timber harvesting will be conducted within the 100-foot Vegetative Buffer Zone. Timber harvesting will follow requirements applicable to timber harvesting on Project lands between 100 and 200 feet of the normal full pond elevation on lands within the Project boundary.

Consistent with GLHA practices on all of its lands, if GLHA plans to conduct harvesting activities on Project lands, it will first identify the requirements that govern harvesting practices on those lands, including the requirements of this SMP and applicable state laws. Written management plans will be prepared describing areas to be harvested, the type of harvesting method to be used, the volumes of wood to be removed, and measures to be used to protect sensitive areas, including the 100-foot Vegetative Buffer Zone. Where necessary, vegetative buffer zones will be marked by flagging or painting the boundary line.

5.2 Structures and Uses Allowed Under Standard Land Use Article

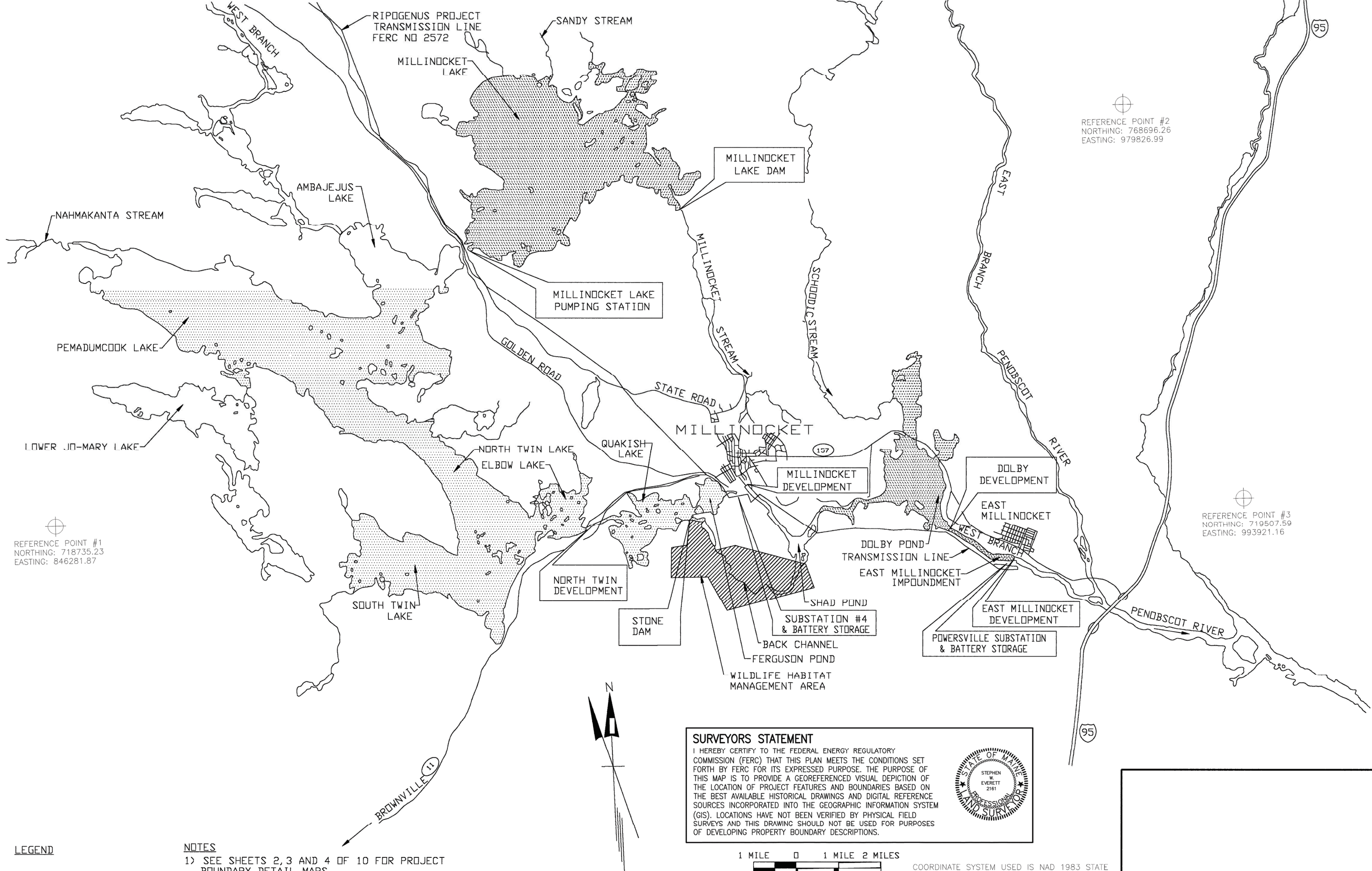
GLHA retains the right under its FERC license to allow certain specific uses of Project lands and waters consistent with the standard land use article in the FERC license to be issued. As indicated in Section 3 above, GLHA will implement this SMP to comply with the requirements of the standard land use article relating to structures and uses.

6.0 Hydroelectric and Associated Facilities

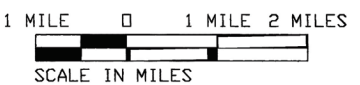
This SMP specifically reserves to GLHA the right to operate and maintain Project hydroelectric and associated facilities and to conduct all activities necessary to ensure compliance with the Project FERC license.

ATTACHMENT 1

EXHIBIT G PROJECT BOUNDARY DRAWINGS



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



COORDINATE SYSTEM USED IS NAD 1983 STATE PLANE MAINE EAST FIPS 1801 (US FEET).

- LEGEND**
- PROJECT WATERS
 - TRANSMISSION LINE
 - PROJECT BOUNDARY

NOTES
1) SEE SHEETS 2, 3 AND 4 OF 10 FOR PROJECT BOUNDARY DETAIL MAPS.

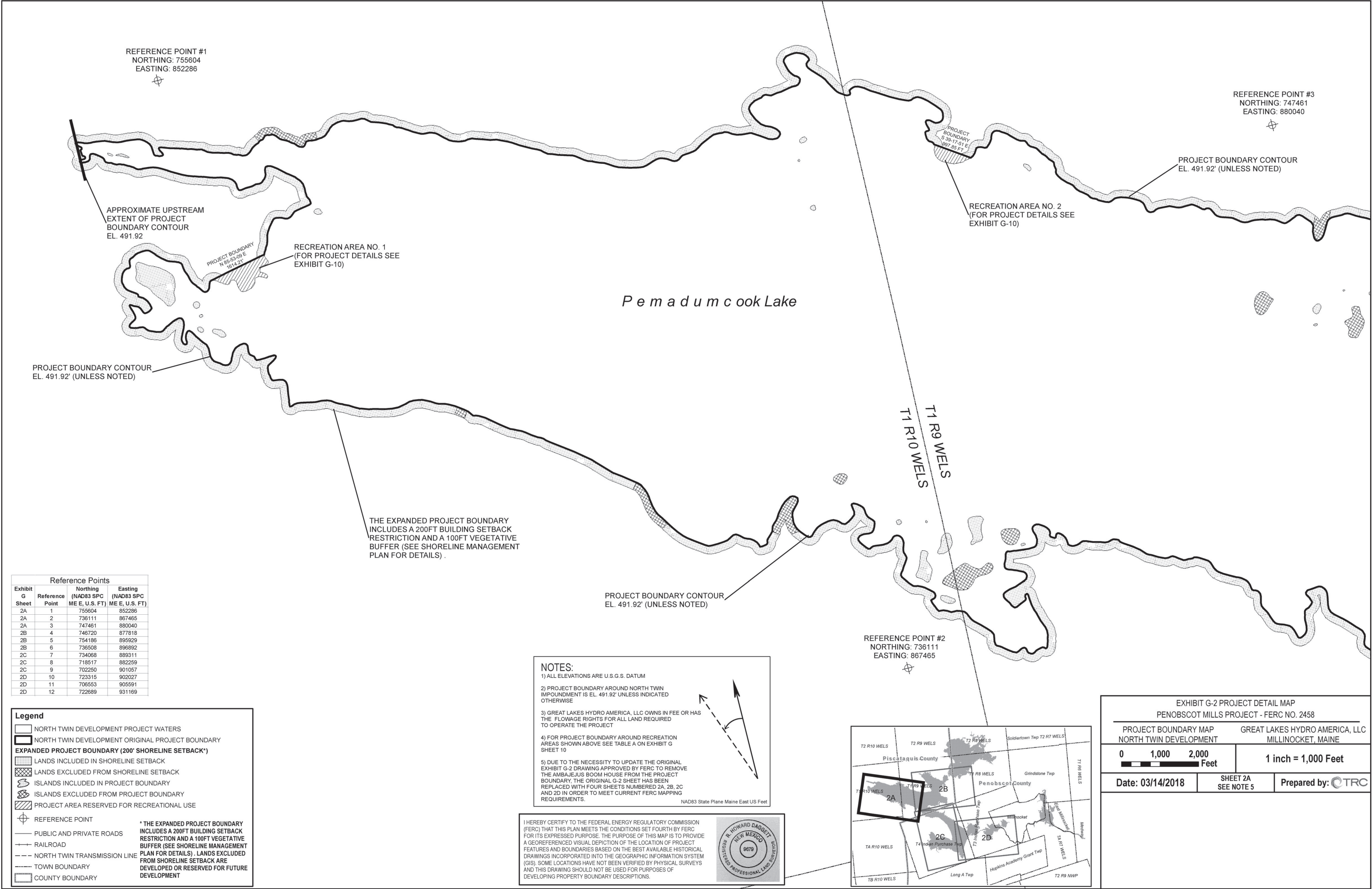
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CHK		ENG. RES. NO.	
CHK		FILE NO.	
CDRR			
APPVD			
ISSUE CODE			
P - PRELIM	B - BIDS		
M-MTL	T.O. C - CONST.		
SCALE	AS SHOWN		

RB-25248

EXHIBIT G-1 SHEET 1 OF 10
PENOBSCOT MILLS PROJECT

PROJECT AREA MAP

GREAT LAKES HYDRO AMERICA, LLC
MILLINOCKET, MAINE



Reference Points			
Exhibit G Sheet	Reference Point	Northing (NAD83 SPC ME E, U.S. FT)	Easting (NAD83 SPC ME E, U.S. FT)
2A	1	755604	852286
2A	2	736111	867465
2A	3	747461	880040
2B	4	746720	877818
2B	5	754186	895929
2B	6	736508	896892
2C	7	734068	889311
2C	8	718517	882259
2C	9	702250	901057
2D	10	723315	902027
2D	11	706553	905591
2D	12	722689	931169

Legend

- NORTH TWIN DEVELOPMENT PROJECT WATERS
- NORTH TWIN DEVELOPMENT ORIGINAL PROJECT BOUNDARY
- EXPANDED PROJECT BOUNDARY (200' SHORELINE SETBACK*)
- LANDS INCLUDED IN SHORELINE SETBACK
- LANDS EXCLUDED FROM SHORELINE SETBACK
- ISLANDS INCLUDED IN PROJECT BOUNDARY
- ISLANDS EXCLUDED FROM PROJECT BOUNDARY
- PROJECT AREA RESERVED FOR RECREATIONAL USE
- REFERENCE POINT
- PUBLIC AND PRIVATE ROADS
- RAILROAD
- NORTH TWIN TRANSMISSION LINE
- TOWN BOUNDARY
- COUNTY BOUNDARY

* THE EXPANDED PROJECT BOUNDARY INCLUDES A 200FT BUILDING SETBACK RESTRICTION AND A 100FT VEGETATIVE BUFFER (SEE SHORELINE MANAGEMENT PLAN FOR DETAILS). LANDS EXCLUDED FROM SHORELINE SETBACK ARE DEVELOPED OR RESERVED FOR FUTURE DEVELOPMENT

NOTES:

1) ALL ELEVATIONS ARE U.S.G.S. DATUM

2) PROJECT BOUNDARY AROUND NORTH TWIN IMPOUNDMENT IS EL. 491.92' UNLESS INDICATED OTHERWISE

3) GREAT LAKES HYDRO AMERICA, LLC OWNS IN FEE OR HAS THE FLOWAGE RIGHTS FOR ALL LAND REQUIRED TO OPERATE THE PROJECT

4) FOR PROJECT BOUNDARY AROUND RECREATION AREAS SHOWN ABOVE SEE TABLE A ON EXHIBIT G SHEET 10

5) DUE TO THE NECESSITY TO UPDATE THE ORIGINAL EXHIBIT G-2 DRAWING APPROVED BY FERC TO REMOVE THE AMBAJEJUS BOOM HOUSE FROM THE PROJECT BOUNDARY, THE ORIGINAL G-2 SHEET HAS BEEN REPLACED WITH FOUR SHEETS NUMBERED 2A, 2B, 2C AND 2D IN ORDER TO MEET CURRENT FERC MAPPING REQUIREMENTS.

NAD83 State Plane Maine East US Feet

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

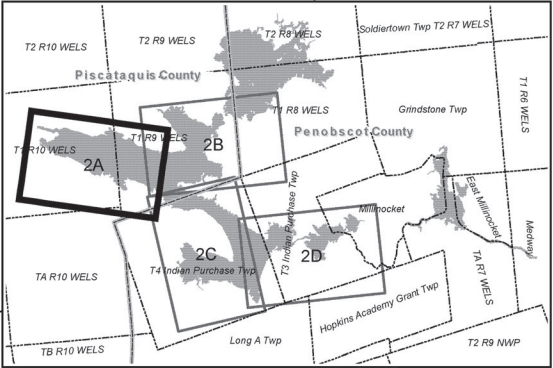


EXHIBIT G-2 PROJECT DETAIL MAP

PENOBSCOT MILLS PROJECT - FERC NO. 2458

PROJECT BOUNDARY MAP

NORTH TWIN DEVELOPMENT

GREAT LAKES HYDRO AMERICA, LLC

MILLINOCKET, MAINE

0 1,000 2,000 Feet

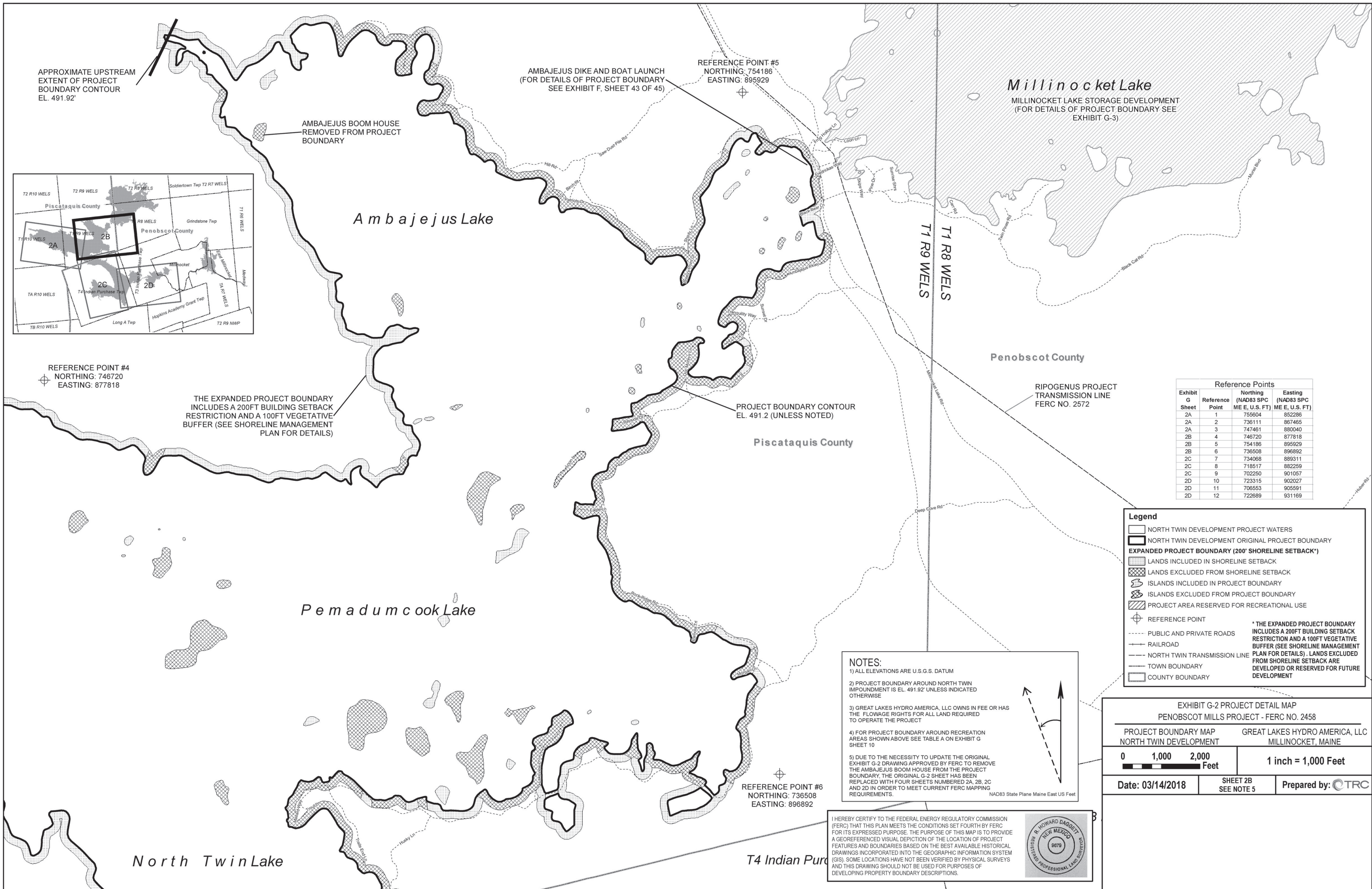
1 inch = 1,000 Feet

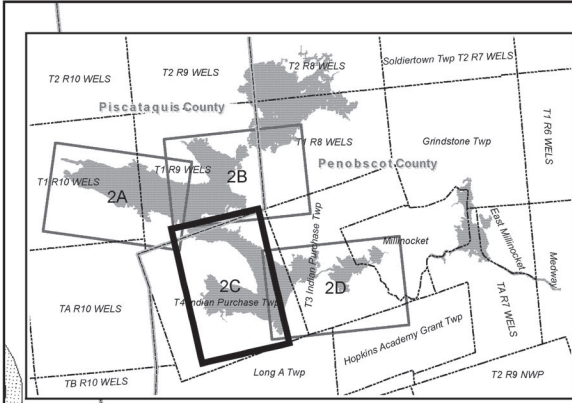
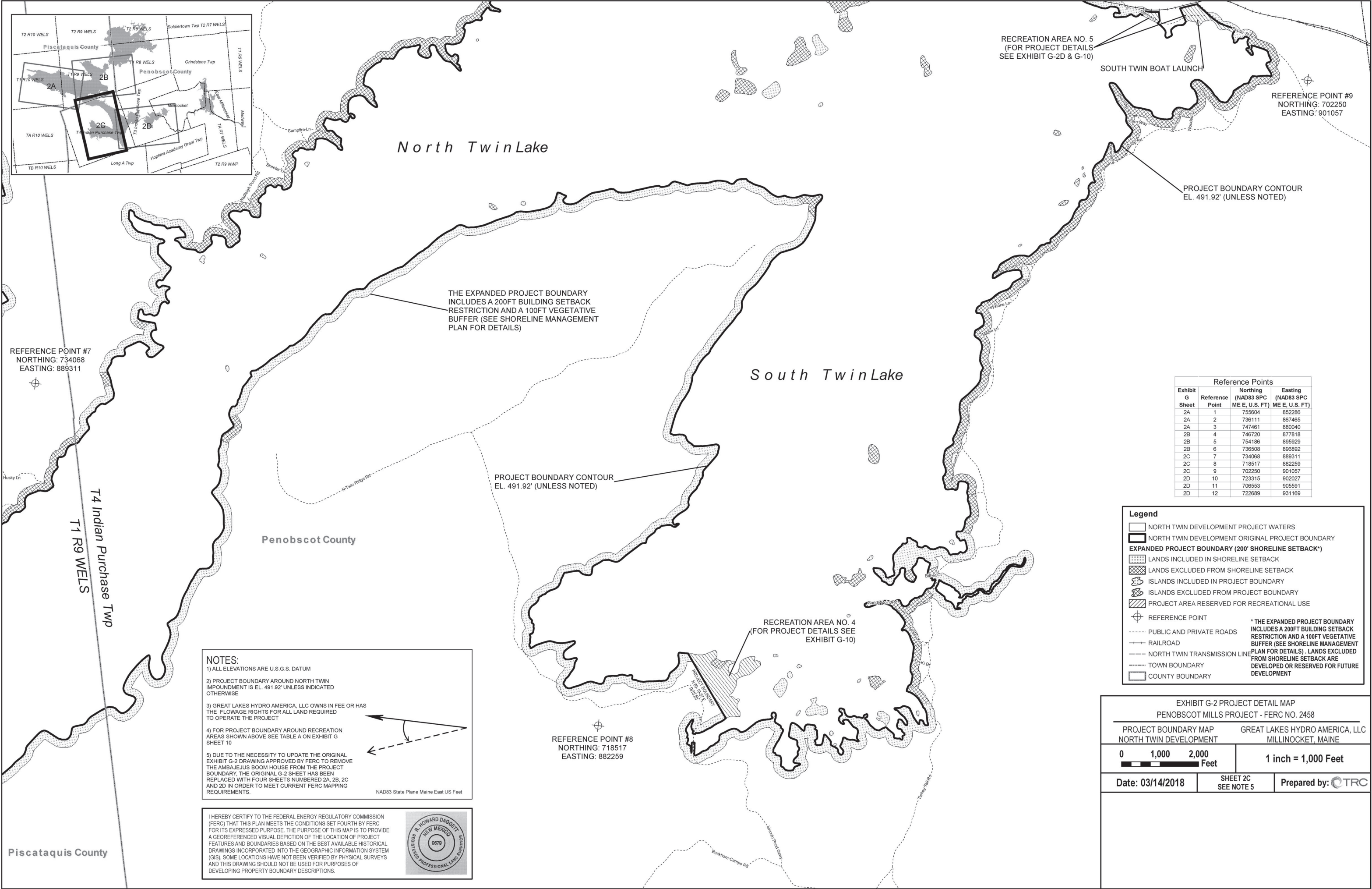
Date: 03/14/2018

SHEET 2A

SEE NOTE 5

Prepared by:





Reference Points			
Exhibit G Sheet	Reference Point	Northing (NAD83 SPC ME E, U.S. FT)	Easting (NAD83 SPC ME E, U.S. FT)
2A	1	755604	852286
2A	2	736111	867465
2A	3	747461	880040
2B	4	746720	877818
2B	5	754186	895929
2B	6	736508	896892
2C	7	734068	889311
2C	8	718517	882259
2C	9	702250	901057
2D	10	723315	902027
2D	11	706553	905591
2D	12	722689	931169

Legend

- [Symbol] NORTH TWIN DEVELOPMENT PROJECT WATERS
- [Symbol] NORTH TWIN DEVELOPMENT ORIGINAL PROJECT BOUNDARY
- EXPANDED PROJECT BOUNDARY (200' SHORELINE SETBACK*)**
 - [Symbol] LANDS INCLUDED IN SHORELINE SETBACK
 - [Symbol] LANDS EXCLUDED FROM SHORELINE SETBACK
 - [Symbol] ISLANDS INCLUDED IN PROJECT BOUNDARY
 - [Symbol] ISLANDS EXCLUDED FROM PROJECT BOUNDARY
 - [Symbol] PROJECT AREA RESERVED FOR RECREATIONAL USE
- [Symbol] REFERENCE POINT
- [Symbol] PUBLIC AND PRIVATE ROADS
- [Symbol] RAILROAD
- [Symbol] NORTH TWIN TRANSMISSION LINE
- [Symbol] TOWN BOUNDARY
- [Symbol] COUNTY BOUNDARY

* THE EXPANDED PROJECT BOUNDARY INCLUDES A 200FT BUILDING SETBACK RESTRICTION AND A 100FT VEGETATIVE BUFFER (SEE SHORELINE MANAGEMENT PLAN FOR DETAILS) . LANDS EXCLUDED FROM SHORELINE SETBACK ARE DEVELOPED OR RESERVED FOR FUTURE DEVELOPMENT

NOTES:

- 1) ALL ELEVATIONS ARE U.S.G.S. DATUM
- 2) PROJECT BOUNDARY AROUND NORTH TWIN IMPOUNDMENT IS EL. 491.92' UNLESS INDICATED OTHERWISE
- 3) GREAT LAKES HYDRO AMERICA, LLC OWNS IN FEE OR HAS THE FLOWAGE RIGHTS FOR ALL LAND REQUIRED TO OPERATE THE PROJECT
- 4) FOR PROJECT BOUNDARY AROUND RECREATION AREAS SHOWN ABOVE SEE TABLE A ON EXHIBIT G SHEET 10
- 5) DUE TO THE NECESSITY TO UPDATE THE ORIGINAL EXHIBIT G-2 DRAWING APPROVED BY FERC TO REMOVE THE AMBAJEJUS BOOM HOUSE FROM THE PROJECT BOUNDARY, THE ORIGINAL G-2 SHEET HAS BEEN REPLACED WITH FOUR SHEETS NUMBERED 2A, 2B, 2C AND 2D IN ORDER TO MEET CURRENT FERC MAPPING REQUIREMENTS.

NAD83 State Plane Maine East US Feet

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

EXHIBIT G-2 PROJECT DETAIL MAP
PENOBSCOT MILLS PROJECT - FERC NO. 2458

PROJECT BOUNDARY MAP
NORTH TWIN DEVELOPMENT

GREAT LAKES HYDRO AMERICA, LLC
MILLINOCKET, MAINE

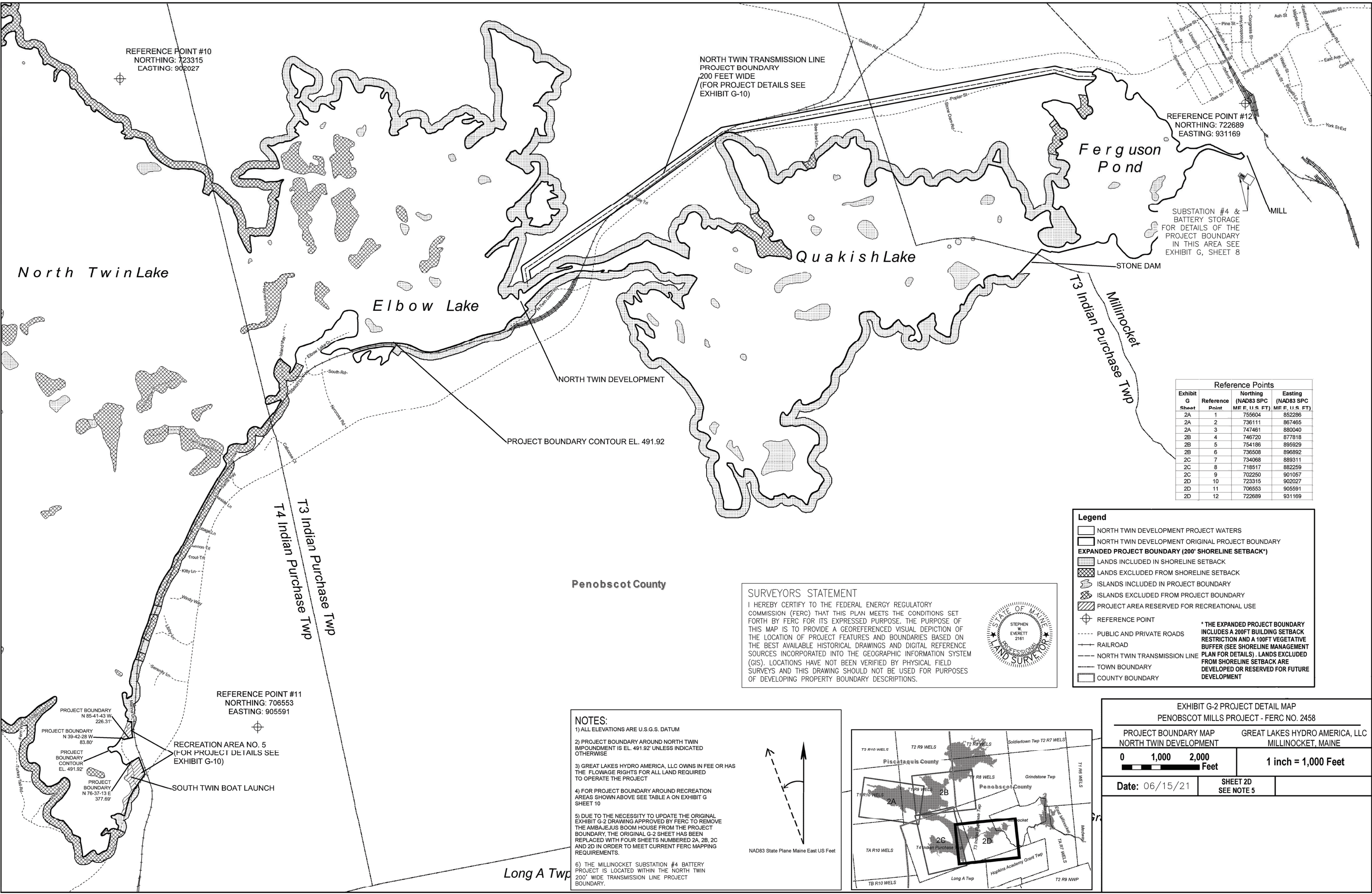
0 1,000 2,000 Feet

1 inch = 1,000 Feet

Date: 03/14/2018

SHEET 2C
SEE NOTE 5

Prepared by:



NORTH TWIN TRANSMISSION LINE
PROJECT BOUNDARY
200 FEET WIDE
(FOR PROJECT DETAILS SEE
EXHIBIT G-10)

REFERENCE POINT #12
NORTHING: 722689
EASTING: 931169

SUBSTATION #4 &
BATTERY STORAGE
FOR DETAILS OF THE
PROJECT BOUNDARY
IN THIS AREA SEE
EXHIBIT G, SHEET 8

Reference Points			
Exhibit G Sheet	Reference Point	Northing (NAD83 SPC ME F. 11 S. FT)	Easting (NAD83 SPC ME F. 11 S. FT)
2A	1	755604	852286
2A	2	736111	867465
2A	3	747461	880040
2B	4	746720	877818
2B	5	754186	895929
2B	6	736508	896892
2C	7	734068	889311
2C	8	718517	882259
2C	9	702250	901057
2D	10	723315	902027
2D	11	706553	905591
2D	12	722689	931169

Legend

- NORTH TWIN DEVELOPMENT PROJECT WATERS
- NORTH TWIN DEVELOPMENT ORIGINAL PROJECT BOUNDARY
- EXPANDED PROJECT BOUNDARY (200' SHORELINE SETBACK*)
- LANDS INCLUDED IN SHORELINE SETBACK
- LANDS EXCLUDED FROM SHORELINE SETBACK
- ISLANDS INCLUDED IN PROJECT BOUNDARY
- ISLANDS EXCLUDED FROM PROJECT BOUNDARY
- PROJECT AREA RESERVED FOR RECREATIONAL USE
- REFERENCE POINT
- PUBLIC AND PRIVATE ROADS
- RAILROAD
- NORTH TWIN TRANSMISSION LINE
- TOWN BOUNDARY
- COUNTY BOUNDARY

* THE EXPANDED PROJECT BOUNDARY
INCLUDES A 200FT BUILDING SETBACK
RESTRICTION AND A 100FT VEGETATIVE
BUFFER (SEE SHORELINE MANAGEMENT
PLAN FOR DETAILS). LANDS EXCLUDED
FROM SHORELINE SETBACK ARE
DEVELOPED OR RESERVED FOR FUTURE
DEVELOPMENT

SURVEYORS STATEMENT

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



Penobscot County

NOTES:

- ALL ELEVATIONS ARE U.S.G.S. DATUM
- PROJECT BOUNDARY AROUND NORTH TWIN IMPOUNDMENT IS EL. 491.92' UNLESS INDICATED OTHERWISE
- GREAT LAKES HYDRO AMERICA, LLC OWNS IN FEE OR HAS THE FLOWAGE RIGHTS FOR ALL LAND REQUIRED TO OPERATE THE PROJECT
- FOR PROJECT BOUNDARY AROUND RECREATION AREAS SHOWN ABOVE SEE TABLE A ON EXHIBIT G SHEET 10
- DUE TO THE NECESSITY TO UPDATE THE ORIGINAL EXHIBIT G-2 DRAWING APPROVED BY FERC TO REMOVE THE AMBAJEJUS BOOM HOUSE FROM THE PROJECT BOUNDARY, THE ORIGINAL G-2 SHEET HAS BEEN REPLACED WITH FOUR SHEETS NUMBERED 2A, 2B, 2C AND 2D IN ORDER TO MEET CURRENT FERC MAPPING REQUIREMENTS.
- THE MILLINOCKET SUBSTATION #4 BATTERY PROJECT IS LOCATED WITHIN THE NORTH TWIN 200' WIDE TRANSMISSION LINE PROJECT BOUNDARY.

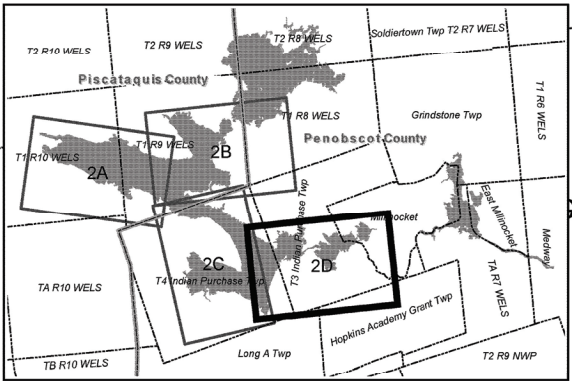
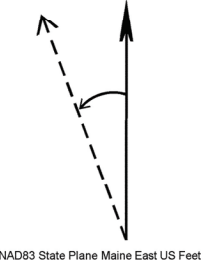


EXHIBIT G-2 PROJECT DETAIL MAP
PENOBSCOT MILLS PROJECT - FERC NO. 2458

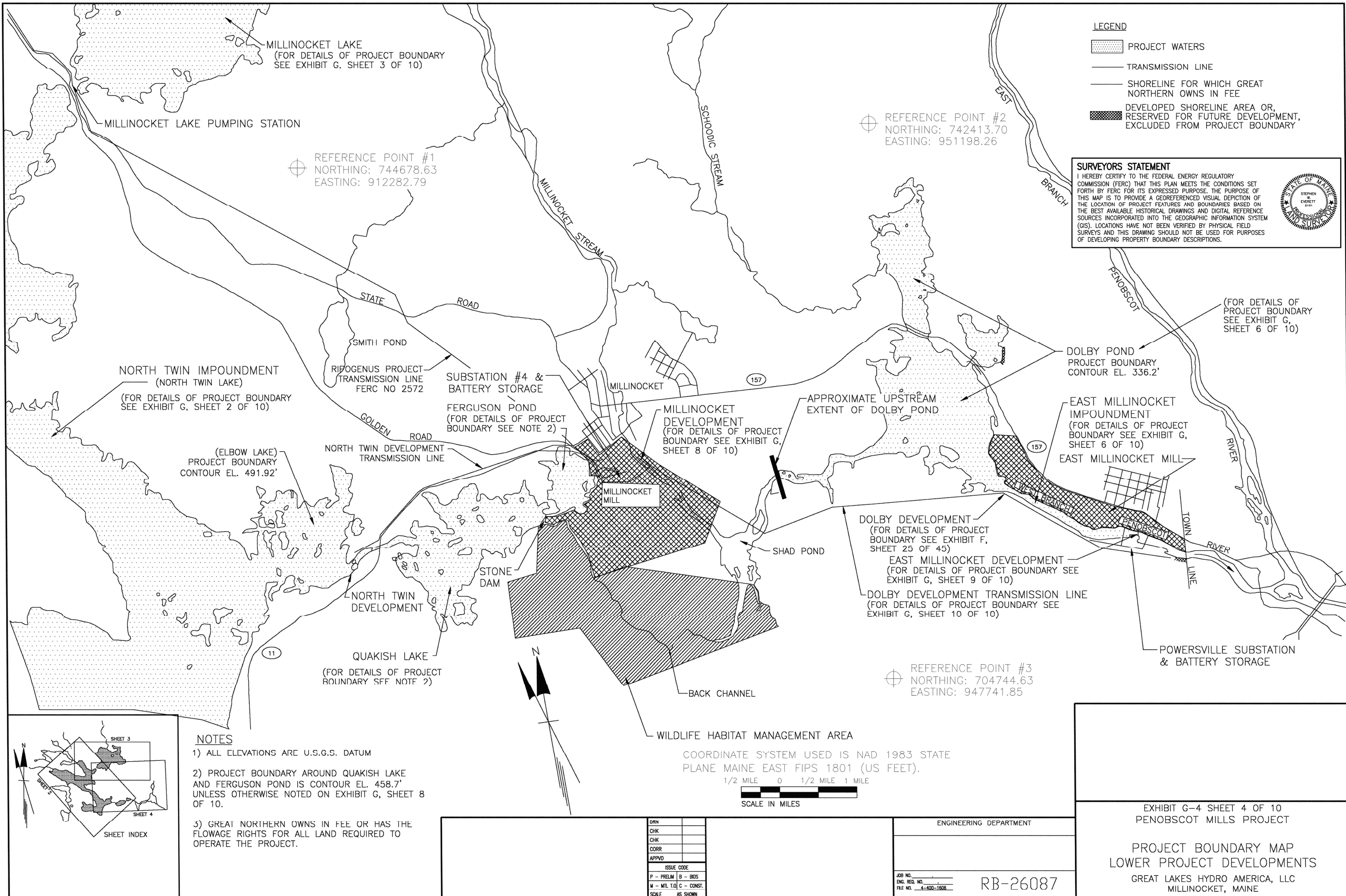
PROJECT BOUNDARY MAP
NORTH TWIN DEVELOPMENT

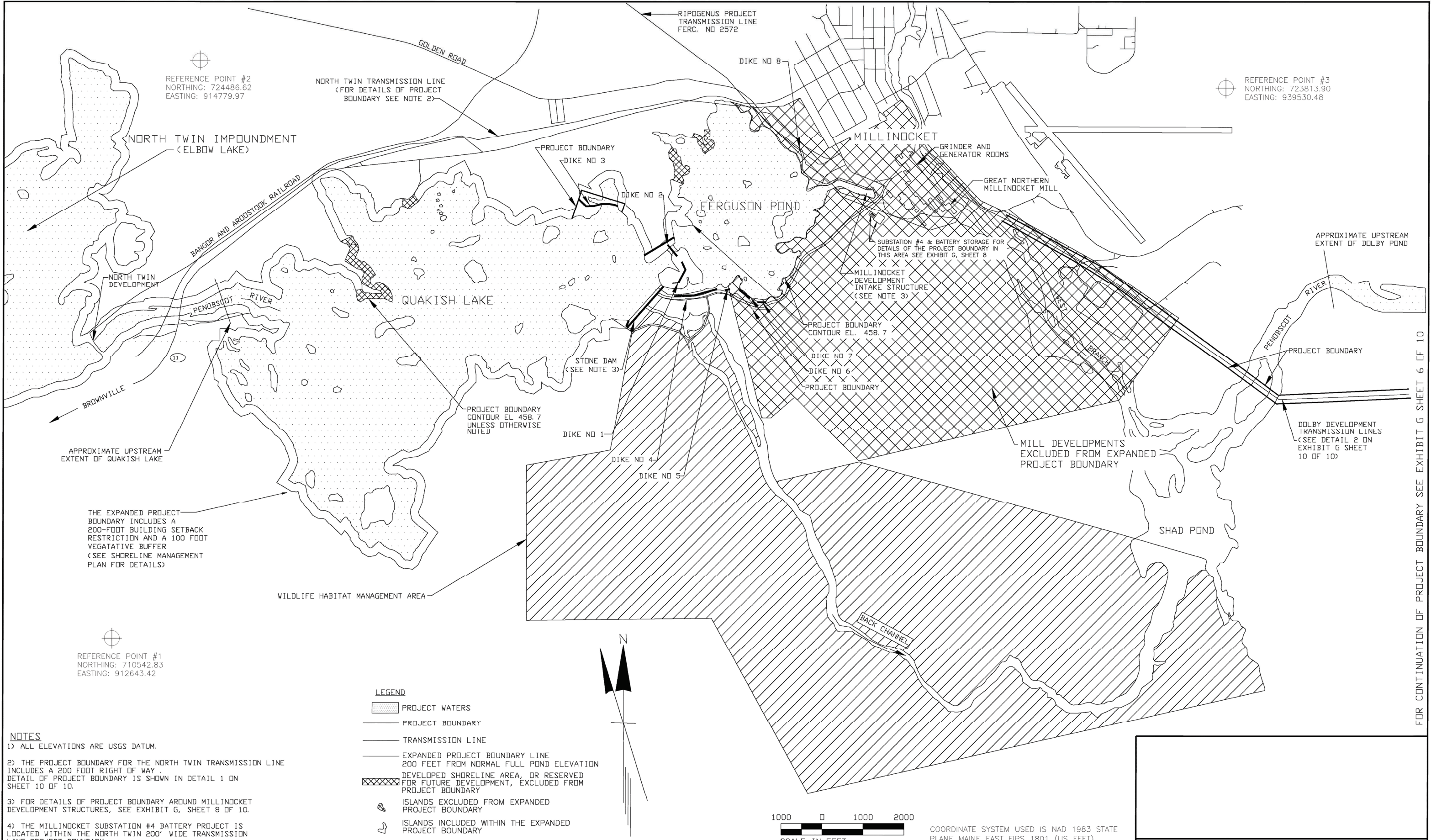
GREAT LAKES HYDRO AMERICA, LLC
MILLINOCKET, MAINE

0 1,000 2,000 Feet
1 inch = 1,000 Feet

Date: 06/15/21

SHEET 2D
SEE NOTE 5





NOTES

1) ALL ELEVATIONS ARE USGS DATUM.

2) THE PROJECT BOUNDARY FOR THE NORTH TWIN TRANSMISSION LINE INCLUDES A 200 FOOT RIGHT OF WAY. DETAIL OF PROJECT BOUNDARY IS SHOWN IN DETAIL 1 ON SHEET 10 OF 10.

3) FOR DETAILS OF PROJECT BOUNDARY AROUND MILLINOCKET DEVELOPMENT STRUCTURES, SEE EXHIBIT G, SHEET 8 OF 10.

4) THE MILLINOCKET SUBSTATION #4 BATTERY PROJECT IS LOCATED WITHIN THE NORTH TWIN 200' WIDE TRANSMISSION LINE PROJECT BOUNDARY.

- LEGEND**
- PROJECT WATERS
 - PROJECT BOUNDARY
 - TRANSMISSION LINE
 - EXPANDED PROJECT BOUNDARY LINE 200 FEET FROM NORMAL FULL POND ELEVATION
 - DEVELOPED SHORELINE AREA, OR RESERVED FOR FUTURE DEVELOPMENT, EXCLUDED FROM PROJECT BOUNDARY
 - ISLANDS EXCLUDED FROM EXPANDED PROJECT BOUNDARY
 - ISLANDS INCLUDED WITHIN THE EXPANDED PROJECT BOUNDARY



COORDINATE SYSTEM USED IS NAD 1983 STATE PLANE MAINE EAST FIPS 1801 (US FEET).

SURVEYORS STATEMENT

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

STEPHEN R. EVERETT
2161

DRN	
CHK	
CHK	
CORR	
APPVD	
ISSUE CODE	
P - PRELIM	B - BIDS
M - MTL. T.O.C.	C - CONST.
SCALE	AS SHOWN

ENGINEERING DEPARTMENT	
JOB NO.	
ENG. REQ. NO.	
FILE NO.	4-400-1606

RB-26088

EXHIBIT G-5 SHEET 5 OF 10
PENOBSCOT MILLS PROJECT
MILLINOCKET DEVELOPMENT
PROJECT BOUNDARY DETAIL SHEET

GREAT LAKES HYDRO AMERICA, LLC
MILLINOCKET, MAINE

REFERENCE POINT #1
NORTHING: 726629.27
EASTING: 941926.22

THE EXPANDED PROJECT
BOUNDARY INCLUDES A
200-FOOT BUILDING SETBACK
RESTRICTION AND A 100-FOOT
VEGETATIVE BUFFER
(SEE SHORELINE MANAGEMENT
PLAN FOR DETAILS)

REFERENCE POINT #3
NORTHING: 723289.76
EASTING: 962307.08

MILLINOCKET
ROUTE 157

PROJECT BOUNDARY
CONTOUR EL. 336.2

DOLBY POND

APPROXIMATE UPSTREAM EXTENT
OF DOLBY POND

REFERENCE POINT #2
NORTHING: 718183.35
EASTING: 949005.65

SURVEYORS STATEMENT

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



DOLBY DEVELOPMENT
TRANSMISSION LINES
(SEE DETAIL 2 ON
EXHIBIT G, SHEET 10
OF 10)

PROJECT BOUNDARY
(SEE DETAIL 2 ON
EXHIBIT G, SHEET 10
OF 10)

DOLBY DEVELOPMENT
TRANSMISSION LINES
(SEE DETAILS OF PROJECT
BOUNDARY ON EXHIBIT F,
SHEET 25 OF 45)

DOLBY DEVELOPMENT
TRANSMISSION LINES
(SEE DETAIL 3 ON EXHIBIT
G, SHEET 10 OF 10)

PROJECT BOUNDARY
(SEE DETAIL 3 ON EXHIBIT
G, SHEET 10 OF 10)

TRANSMISSION LINES TO
MATTACEUNK PROJECT
FERC NO. 2520

POWERSVILLE SUBSTATION & BATTERY
STORAGE. FOR DETAILS OF THE
PROJECT BOUNDARY IN THIS AREA
SEE EXHIBIT G, SHEET 9

COORDINATE SYSTEM USED IS NAD 1983 STATE
PLANE MAINE EAST FIPS 1801 (US FEET).

1000 0 1000 2000
SCALE IN FEET

LEGEND

- PROJECT BOUNDARY
- PROJECT WATERS
- EXPANDED PROJECT BOUNDARY
200' FROM NORMAL FULL POND ELEV.
- ISLANDS EXCLUDED FROM EXPANDED
PROJECT BOUNDARY
- ISLANDS INCLUDED WITHIN THE EXPANDED
PROJECT BOUNDARY
- DEVELOPED SHORELINE AREA, OR RESERVED
FOR FUTURE DEVELOPMENT, EXCLUDED FROM
PROJECT BOUNDARY

1) THE POWERSVILLE BATTERY
PROJECT IS LOCATED WITHIN THE
DOLBY AND EAST MILLINOCKET
200' WIDE TRANSMISSION LINE
PROJECT BOUNDARY.

NOTES
1) ALL ELEVATIONS ARE USGS DATUM

WILDLIFE HABITAT MANAGEMENT AREA

BACK CHANNEL

EXHIBIT G-6 SHEET 6 OF 10
PENOBSCOT MILLS PROJECT
DOLBY AND EAST MILLINOCKET DEVELOPMENTS
PROJECT BOUNDARY DETAIL SHEET

GREAT LAKES HYDRO AMERICA, LLC
MILLINOCKET, MAINE

DRN	
CHK	
CHK	
CORR	
APPVD	
ISSUE CODE	
P - PRELIM	B - BIDS
M - MTL T.O.C	C - CONGT.
SCALE	AS SHOWN

ENGINEERING DEPARTMENT

JOB NO.
ENG. REQ. NO.
FILE NO. 4-400-1606

RB-26089

REFERENCE POINT #1
NORTHING: 723540.23
EASTING: 923744.33

NORTH TWIN TRANSMISSION
LINE (SEE NOTE 4)

ROUTE 11
TO MILLINOCKET
RIPOGENUS PROJECT
TRANSMISSION LINE
FERC NO 2572

REFERENCE POINT #2
NORTHING: 723257.58
EASTING: 930371.69

ACCESS ROAD
(SEE NOTE 3)

ACCESS ROAD
(SEE NOTE 3)

THE EXPANDED PROJECT
BOUNDARY INCLUDES A
200-FOOT BUILDING SETBACK
RESTRICTION AND A 100-FOOT
VEGETATIVE BUFFER
(SEE SHORELINE MANAGEMENT
PLAN FOR DETAILS)

PROJECT BOUNDARY

PROJECT
BOUNDARY
CONTOUR
EL. 458.7

DIKE NO 3

100'

100'

PROJECT BOUNDARY
CONTOUR EL. 458.7

100'

DIKE NO 2

QUAKISH LAKE

DIKE NO 1

GATEHOUSE

WASTEGATE STRUCTURE

STONE DAM

100'

100'

PROJECT BOUNDARY
CONTOUR EL. 458.7

FERGUSON POND

REFERENCE POINT #3
NORTHING: 720441.93
EASTING: 927640.98

DIKE NO 8

100'

MILLINOCKET
DEVELOPMENT
INTAKE STRUCTURE

PROJECT BOUNDARY

LAST POLE RIPOGENUS
TRANSMISSION LINE

BATTERY STORAGE

SUBSTATION #4

ACCESS ROAD
(SEE NOTE 3)

PROJECT BOUNDARY
CONTOUR EL. 458.7

LEGEND

PROJECT WATERS

TRANSMISSION LINE

PROJECT BOUNDARY

EXPANDED PROJECT BOUNDARY
200 FT. FROM NORMAL
FULL POND ELEV.

DEVELOPED SHORELINE AREA, OR
RESERVED FOR FUTURE DEVELOPMENT,
EXCLUDED FROM PROJECT BOUNDARY

COORDINATE SYSTEM USED IS NAD 1983 STATE
PLANE MAINE EAST FIPS 1801 (US FEET).

300 0 300 600
SCALE IN FEET

NOTES

- 1) ALL ELEVATIONS ARE U. S. G. S. DATUM.
- 2) THE PROJECT INCLUDES THE PENSTOCKS AND THE RIGHT TO MAINTAIN THE PENSTOCKS BUT DOES NOT INCLUDE THE LAND OVER THEM.
- 3) THE PROJECT INCLUDES THE RIGHT OF ACCESS AND EGRESS ACROSS GREAT NORTHERN LANDS, ALONG EXISTING TRAVELED WAYS, TO AND FROM THE PROJECT STRUCTURES.
- 4) THE PROJECT BOUNDARY FOR THE NORTH TWIN TRANSMISSION LINE INCLUDES A 200 FOOT RIGHT OF WAY.
- 5) THE MILLINOCKET MILL HAS THE RIGHT TO WITHDRAW WATER, AS NECESSARY, FOR THE OPERATION OF THE STEAM PLANT AND MILL, AND THE RIGHT OF ACCESS FOR OPERATION AND MAINTENANCE OF MILL WATER INTAKE STRUCTURES. THE LOCATION OF THE MILL WATER INTAKE IS SHOWN ON EXHIBIT F, SHEET 19 OF 45.
- 6) THE TOWN OF MILLINOCKET HAS THE RIGHT TO WITHDRAW WATER, AS NECESSARY, AND THE RIGHT OF ACCESS FOR OPERATION AND MAINTENANCE OF THE INTAKE STRUCTURE AND ASSOCIATED PIPING.
- 7) THE MILLINOCKET SUBSTATION #4 BATTERY PROJECT IS LOCATED WITHIN THE FERC PROJECT BOUNDARY.

SURVEYORS STATEMENT

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



DRN	
CHK	
CHK	
CORR	
APPVD	
ISSUE CODE	
P - PRELIM	B - BIDS
M - MTL T.O.C	- CONST.
SCALE	AS SHOWN

ENGINEERING DEPARTMENT

JOB NO.
ENG. PROJ. NO.
FILE NO.

RB-26091

EXHIBIT G-8 SHEET 8 OF 10
PENOBSCOT MILLS PROJECT
MILLINOCKET DEVELOPMENT
FERGUSON POND DETAIL SHEET

GREAT LAKES HYDRO AMERICA, LLC
MILLINOCKET, MAINE

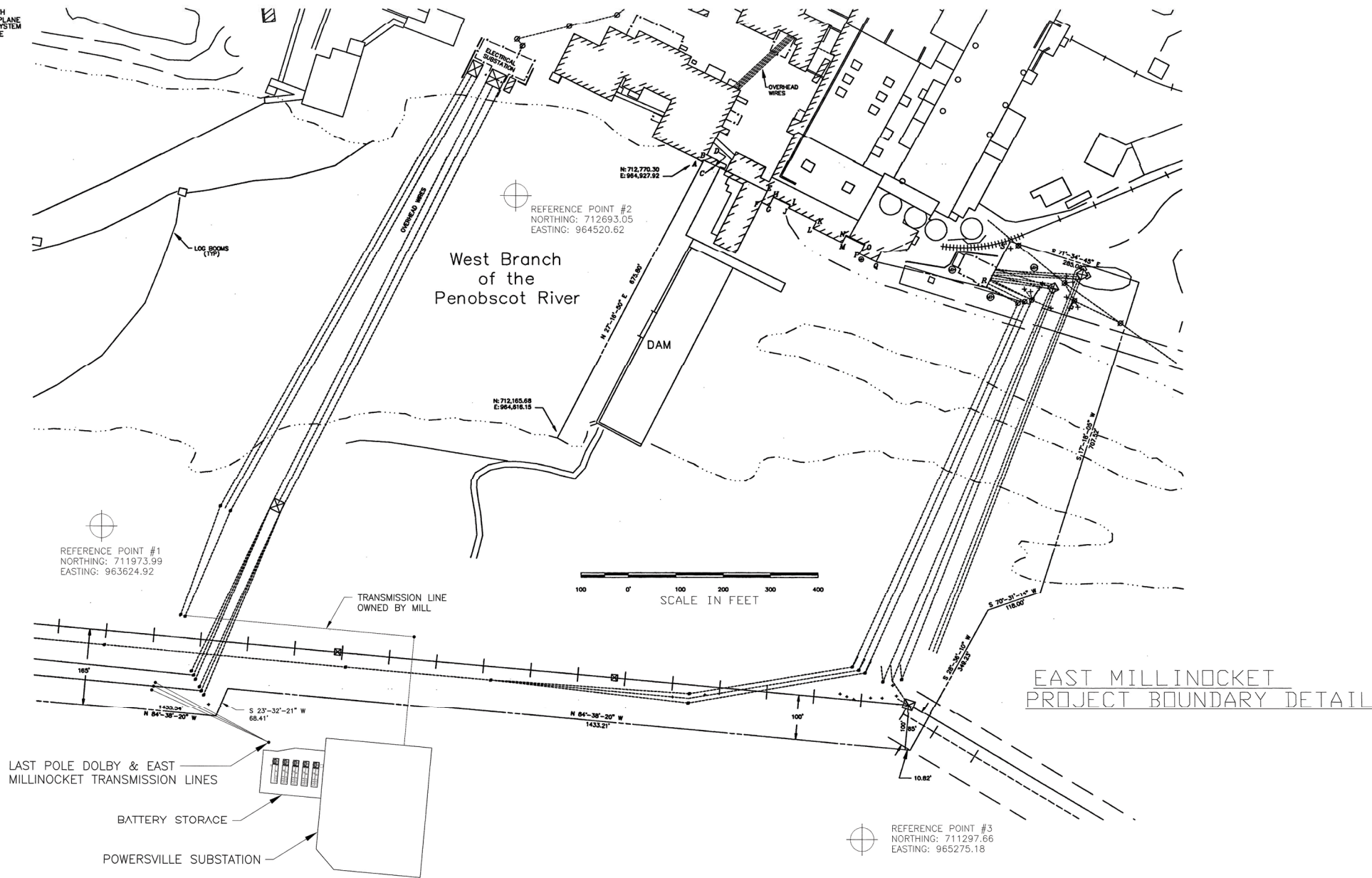
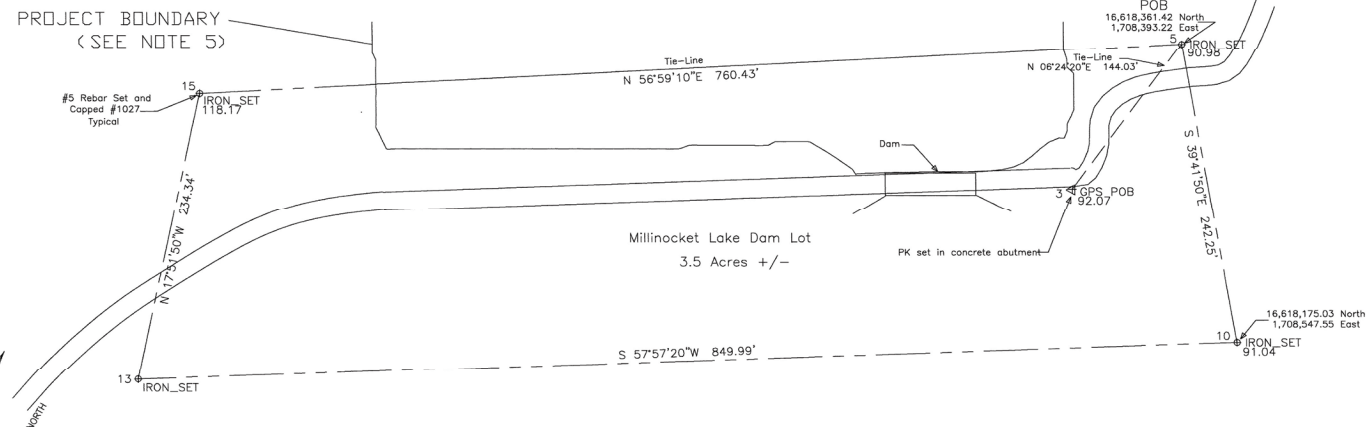


TABLE A PROJECT BOUNDARY BEARING & DISTANCE TABLE		
A TO B	N 26°-49'-07" E	4.48'
B TO C	S 63°-23'-29" E	27.79'
C TO D	N 26°-18'-08" E	0.66'
D TO E	S 63°-12'-08" E	121.80'
E TO F	S 26°-28'-32" W	27.00'
F TO G	S 63°-31'-28" E	17.30'
G TO H	N 26°-23'-29" E	21.13'
H TO I	S 63°-16'-08" E	39.42'
I TO J	S 29°-26'-02" W	6.44'
J TO K	S 63°-16'-08" E	65.98'
K TO L	S 24°-59'-05" W	15.57'
L TO M	S 62°-57'-12" E	68.70'
M TO N	N 26°-39'-25" E	16.50'
N TO O	S 63°-20'-35" E	43.90'
O TO P	S-26°-39'-25" W	22.90'
P TO Q	S 63°-20'-35" E	38.49'
Q TO R	S 76°-32'-03" E	238.36'
R TO S	N 27°-20'-25" E	114.85'

- NOTES**
- 1) ALL ELEVATIONS ARE U. S. G. S. DATUM.
 - 2) THE PROJECT BOUNDARY FOR THE TRANSMISSION SYSTEM INCLUDES:
 - A. THE POLES, CONDUCTORS AND ASSOCIATED EQUIPMENT.
 - B. THE RIGHT OF ACCESS AND EGRESS ACROSS OPERATION AND MAINTENANCE OF THE SYSTEM.
 - 3) THE PROJECT BOUNDARY FOR THE 60 HZ. TRANSMISSION HZ. EAST MILLINOCKET SUBSTATION.
 - 4) THE PROJECT BOUNDARY FOR THE 40 HZ. TRANSMISSION HZ. EAST MILLINOCKET SUBSTATION.
 - 5) THE PROJECT BOUNDARY FOR MILLINOCKET LAKE IS LOCATED 10 FEET HORIZONTAL OUTSIDE THE EL. 480.0' CONTOUR, UNLESS OTHERWISE NOTED.
 - 6) FOR THE LOCATION OF THE MILLINOCKET LAKE DAM, SEE EXHIBIT 3 OF 10.
 - 7) THE POWERSVILLE BATTERY PROJECT IS LOCATED WITHIN THE FERC PROJECT BOUNDARY.



- LEGEND**
- PROJECT BOUNDARY
 - TRANSMISSION LINES

SURVEYORS STATEMENT

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



SCALE IN FEET
120 60 0 120

COORDINATE SYSTEM USED IS NAD 1983 STATE PLANE MAINE EAST FIPS 1801 (US FEET).

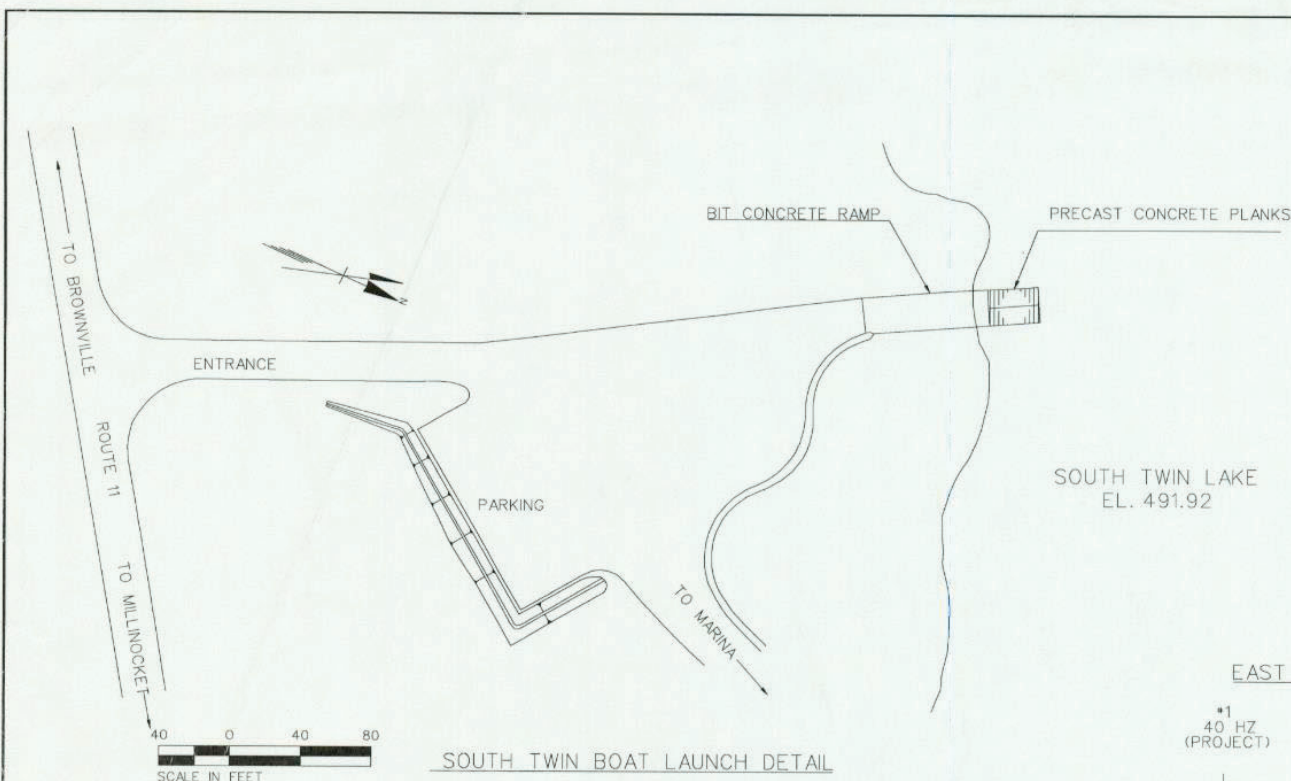
DRN	
CHK	
CHK	
CORR	
APPVD	
ISSUE CODE	
P - PRELIM	B - BIDS
M - MTL T.O.	C - CONST.
SCALE AS SHOWN	

CENTRAL ENGINEERING DEPARTMENT

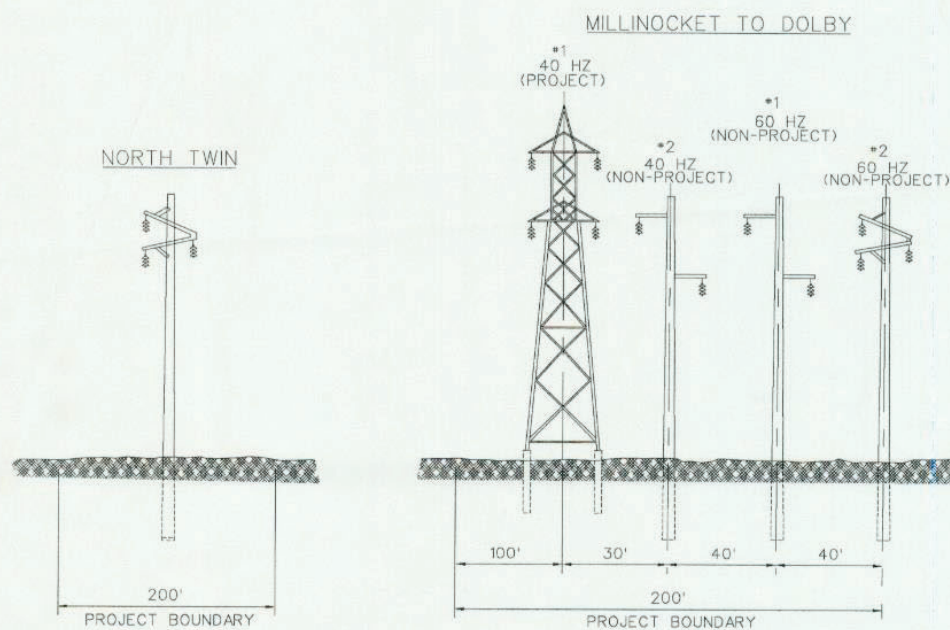
JOB NO. _____
ENG. REQ. NO. _____
FILE NO. 4-400-1606

RB-26092

EXHIBIT G-9 SHEET 9 OF 10
PENOBSCOT MILLS PROJECT
EAST MILLINOCKET DEVELOPMENT
MILLINOCKET LAKE STORAGE DEVELOPMENT
PROJECT BOUNDARY DETAIL SHEET
GREAT LAKES HYDRO AMERICA, LLC
MILLINOCKET, MAINE

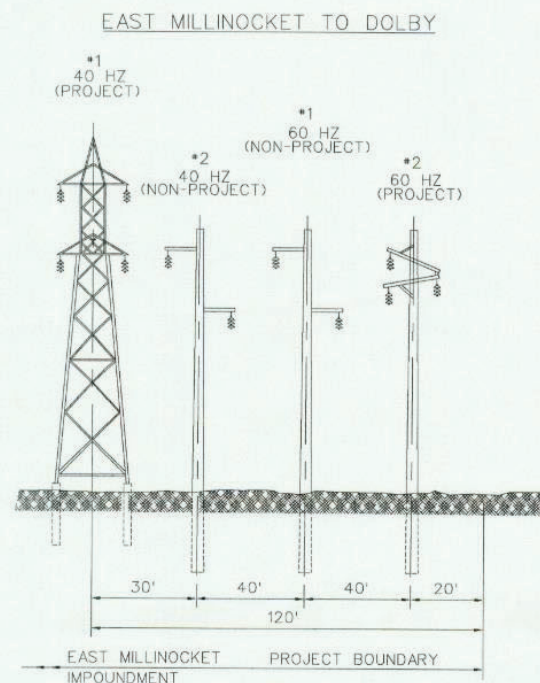


SOUTH TWIN BOAT LAUNCH DETAIL



DETAIL 1
NOT TO SCALE C-6

DETAIL 2
NOT TO SCALE C-7



DETAIL 3
NOT TO SCALE C-7

TABLE A
NORTH TWIN DEVELOPMENT RECREATION AREAS PROJECT BOUNDARY DETAILS

- AREA NO. 1 THE PROJECT BOUNDARY LEAVES THE EL. 491.92 'CONTOUR AT A CEDAR POST SET AT THE HIGH WATER LINE LOCATED APPROXIMATELY SOUTH-WESTERLY 1,600 FEET ALONG THE SHORE FROM THE POINT OF LAND ON THE SOUTH SIDE OF NAHMAKANTA STREAM AND EXTENDS WESTERLY APPROXIMATELY 2,400 FEET TO ANOTHER CEDAR POST SET AT THE HIGH WATER LINE, THENCE ALONG THE EL. 491.92 'CONTOUR AROUND THE LAKE. AREA APPROXIMATELY 20 ACRES.
- AREA NO. 2 THE PROJECT BOUNDARY LEAVES THE ELEVATION 491.92' CONTOUR AT A CEDAR POST SET AT THE HIGH WATER LINE APPROXIMATELY 3,200 FEET EASTERLY ALONG THE SHORE FROM THE WEST BOUNDARY OF T1R9 AND EXTENDS IN AN EASTERLY DIRECTION APPROXIMATELY 800 FEET TO ANOTHER CEDAR POST ON THE HIGH WATER LINE, THENCE ALONG THE EL. 491.92 'CONTOUR AROUND THE LAKE. AREA APPROXIMATELY 25 ACRES.
- AREA NO. 3 THIS AREA HAS BEEN EXCLUDED FROM THE PROJECT BOUNDARY.
- AREA NO. 4 THE PROJECT BOUNDARY LEAVES THE EL. 491.92 'CONTOUR AT A CEDAR POST ON THE SOUTH SIDE OF THE PENINSULA AT THE WEST END OF SOUTH TWIN LAKE AND EXTENDS NORTHEAST APPROXIMATELY 1600 FEET TO A CEDAR POST ON THE NORTH SIDE, THENCE ALONG THE EL. 491.92 'CONTOUR AROUND THE LAKE. AREA APPROXIMATELY 37 ACRES. EXISTING LEASE WITHIN AREA IS EXCLUDED FROM PROJECT BOUNDARY.
- AREA NO. 5 THE PROJECT BOUNDARY LEAVES THE EL. 491.92 'CONTOUR AT THE NORTHERLY BOUNDARY OF CAMP LOT 125A AND RUNS ALONG THIS BOUNDARY TO THE STATE HIGHWAY RIGHT OF WAY. IT THEN TURNS NORTHERLY ALONG THE RIGHT OF WAY APPROXIMATELY 1,800 FEET TO THE BANGOR AND AROOSTOOK RAILROAD RIGHT OF WAY. IT THEN FOLLOWS THE RAILROAD RIGHT OF WAY IN A NORTHERLY DIRECTION TO THE SOUTHERN BOUNDARY OF LOT 424. IT THEN TURNS WEST ALONG THE BOUNDARY OF LOT 424 APPROXIMATELY 150 FEET TO THE EL. 491.92 'CONTOUR, THENCE BY THE 491.92 'CONTOUR AROUND THE LAKE. AREA APPROXIMATELY 19 ACRES. EXISTING LEASE WITHIN AREA IS EXCLUDED FROM PROJECT BOUNDARY.

NOTES

- 1) ALL ELEVATIONS ARE USGS DATUM.
- 2) THE PROJECT BOUNDARY FOR THE TRANSMISSION SYSTEM INCLUDES
A THE POLES, CONDUCTORS AND ASSOCIATED EQUIPMENT.
B THE RIGHT OF ACCESS AND EGRESS ACROSS GREAT NORTHERN LAND FOR THE PURPOSE OF OPERATION AND MAINTENANCE OF THE SYSTEM.

LAST TRANSMISSION TOWER BEFORE THE EAST MILLINOCKET SUBSTATION.

LEGEND

PROJECT WATERS

Great Northern
PAPER, INC.

DRN	
CHK	
CHK	
CHK	
APPV	
ISSUE CODE	
P - PRELIM	B - BIDS
M - MTL T.O.C	C - CONST.
SCALE	AS SHOWN

BY *Devin Durbin* 4/4/02
GNE, LLC

ENGINEERING DEPARTMENT

RB-26093

EXHIBIT G-10 SHEET 10 OF 10
PENOBSCOT MILLS PROJECT

MISCELLANEOUS PROJECT BOUNDARY
DETAILS

GREAT NORTHERN PAPER, INC.
MILLINOCKET, MAINE

ATTACHMENT 2

HIGHLY DEVELOPED SHORELINE AREAS

TABLE FOR HIGHLY DEVELOPED SHORELINE AREAS

TOWN	LAKE OR IMPOUNDMENT	PARCEL*	NUMBER OF LEASES IN PARCEL	ESTIMATED TOTAL FEET OF SHORELINE IN PARCEL	ESTIMATED TOTAL FEET OF LEASED SHORELINE IN PARCEL	ESTIMATED FEET IN PARCEL NOT CURRENTLY LEASED
TAR7	DOLBY POND	1	1	0	0	0
TOTAL TAR7			1	0.0	0	0.0
INDIAN NO. 3	NORTH TWIN IMPOUNDMENT	1	3	3404.2	3404.2	0.0
	QUAKISH LAKE	1	1	1029.3	1029.3	0.0
TOTAL INDIAN NO. 3			4	4433.5	4433.5	0
INDIAN NO.4	NORTH TWIN IMPOUNDMENT	1	18	10663.3	7720	2943.3
		2	49	7252.3	6415	837.3
		3	2	299.1	270.0	29.1
		4	3	1116.8	1116.8	0.0
		5	1	1224.6	1224.6	0.0
		6	1	526.1	526.1	0.0
		8	2	1179.4	1179.4	0.0
		9	86	15150.6	14275	875.6
		10	58	8713.6	8713.6	0.0
		11	24	5388.6	3525	1863.6
		12	1	441.7	305	136.7
		13	1	929.2	929.2	0.0
		14	1	807.6	807.6	0.0
		15	1	201.2	160.0	41.2
		16	1	265.5	265.5	0.0
		17	1	164.0	164.0	0.0
TOTAL INDIAN NO. 4			250	54323.6	47596.8	6726.8
T1R10	NORTH TWIN IMPOUNDMENT	1	4	1866.3	1795.0	71.3
		2	1	201.1	155.0	46.1
		3	6	1579.5	1240.0	339.5
		4	3	1450.1	525.0	925.1
TOTAL T1R10			14	5096.9	3715.0	1381.9
TOWN	LAKE OR IMPOUNDMENT	PARCEL*	NUMBER OF LEASES IN PARCEL	ESTIMATED TOTAL FEET OF SHORELINE IN PARCEL	ESTIMATED TOTAL FEET OF LEASED SHORELINE IN PARCEL	ESTIMATED FEET IN PARCEL NOT CURRENTLY LEASED
T1R8	MILLINOCKET LAKE	1	1	3113.9	3113.9	0.0
		2	12	3466.0	920.0	2546.0
		3	32	12039.2	7730.0	4309.2
		4	2	163.2	163.2	0.0
		5	1	140.4	140.4	0.0
		7	24	5722.1	3085.0	2637.1
TOTAL T1R8			72	24644.7	15152.4	9492.3
T1R9	MILLINOCKET LAKE	8	46	7964.9	7964.9	0.0
		9	2	1150.5	1150.5	0.0
	NORTH TWIN IMPOUNDMENT	1	1	243.9	243.9	0.0
		2	10	5566.6	3625.0	1941.6
		3	51	11576.0	7890.0	3686.0
		4	12	5297.1	2970.0	2327.1
		6	13	1634.4	1634.4	0.0
		7	2	265.9	265.9	0.0
		8	9	1770.3	1770.3	0.0
		9	3	627.4	627.4	0.0
		10	26	4427.2	4427.2	0.0
		11	8	1193.9	1193.9	0.0
		12	2	503.6	240.0	263.6
		13	91	17538.6	15635.0	1903.6
		14	6	1519.6	1519.6	0.0
		15	19	2980.8	2476.0	504.8
		16	9	5538.5	3405.0	2133.5
		17	3	1411.9	1411.9	0.0
		18	26	6693.5	4075.0	2618.5
		19	1	465.2	465.2	0.0
		20	3	762.5	762.5	0.0
		21	4	1110.7	1110.7	0.0
		22	32	8172.4	4880.0	3292.4
		23	1	1107.3	1107.3	0.0
		24	2	537.2	537.2	0.0
TOTAL T1R9			382	90059.9	71388.8	18671.1
GRAND TOTAL			723	178558.6	142286.4	36272.2

1/17/2011

*This Table does not include island parcels