

ESSEX ENERGY PARTNERS, LLC  
27 VAUGHAN AVENUE NEWPORT RHODE ISLAND 02840  
p:401.619.4872 f:401.619.4874

June 13, 2011

Secretary  
Federal Energy Regulatory Commission (FERC)  
888 First Street, N.E.  
Washington, D.C. 20426

Re: Application for Preliminary Permit – Albion Hydropower Project

Dear Secretary:

On behalf of Albion Hydro, LLC, The Essex Energy Partners, LLC (Essex) is pleased to submit the attached, completed application for preliminary permit pursuant to 18 CFR 4.30 for hydropower development at the Albion Dam on the Blackstone River in Cumberland and Lincoln, RI.

Pursuant to 18 CFR 4.32, a listing of the names and mailing addresses is provided in Attachment 1 for every county, city, and town with population of 5,000 or greater within 15 miles of the proposed project; every irrigation district, drainage district or similar purpose political subdivision; and any affected Indian tribes. Each of these entities has been notified of this application. All parties identified on the FERC regional service list including State and Federal government agencies and other local stakeholder groups not identified on the FERC list that would likely be interested in or affected by the application have also been notified. A complete copy of the notification mailing list is provided as an attachment.

Sincerely,



Bruce DiGennaro  
Managing Partner  
Essex Energy Partners, LLC

enclosures

**ATTESTATION**  
**Section 4.32(a)(4)(i)**

This (application, etc.) is executed in the

State of \_\_\_\_\_ Rhode Island \_\_\_\_\_

County of: Newport

by: Essex Energy Partners, LLC

(Name) Jonathan Petrillo

(Address) 27 Vaughan Ave., Newport RI 02840

being duly sworn, depose(s) and say(s) that the contents of this (application, etc.) are true to the best of (his or her) knowledge or belief. The undersigned applicant(s) has (have) signed the (application, etc.) this 13 day of June, 2011.

(Applicant(s))

By: [Signature]

Subscribed and sworn to before me, a [Notary Public, or title of other official authorized by the state to notarize documents, as appropriate] of the State of Rhode Island this 13 day of June, 2011.

/SEAL/

Kathleen Stubbs  
Notary ID #751233  
Commission Expires 12-11-13

**ATTACHMENT 1**  
**Section 4.32(a)(2) Information**

**(i) Counties in which project is located:**

Providence County

**(ii) City, town, or similar local political subdivision**

**(A) In which project is located:**

Town of Cumberland

Town of Lincoln

**(B) Population of 5,000 and within 15 miles of the project:**

| <b><i>Municipality</i></b> | <b><i>Street Address:</i></b>     | <b><i>City:</i></b> | <b><i>State:</i></b> | <b><i>Zip:</i></b> |
|----------------------------|-----------------------------------|---------------------|----------------------|--------------------|
| Town of North Providence   | 2000 Smith Street                 | North Providence    | RI                   | 02911              |
| City of Central Falls      | 580 Broad Street                  | Central Falls       | RI                   | 02863              |
| City of Cranston           | 869 Park Avenue                   | Cranston            | RI                   | 02910              |
| City of East Providence    | 145 Tauton Avenue                 | East Providence     | RI                   | 02914              |
| City of Pawtucket          | 137 Roosevelt Avenue              | Pawtucket           | RI                   | 02860              |
| City of Providence         | 25 Dorrance Street                | Providence          | RI                   | 02903              |
| City of Warwick            | 3275 Post Road                    | Warwick             | RI                   | 02886              |
| City of Woonsocket         | 169 Main Street                   | Woonsocket          | RI                   | 02895              |
| Town of Barrington         | 283 County Rd.                    | Barrington          | RI                   | 02806              |
| Town of Burrillville       | 105 Harrisville Main Street       | Harrisville         | RI                   | 02830              |
| Town of Cumberland         | 45 Broad Street                   | Cumberland          | RI                   | 02864              |
| Town of Glocester          | 1145 Putnam Pike                  | Chepachet           | RI                   | 02814              |
| Town of Johnston           | 1385 Hartford Avenue              | Johnston            | RI                   | 02919              |
| Town of Lincoln            | P.O. Box 100                      | Lincoln             | RI                   | 02865              |
| Town of North Smithfield   | One Main Street P.O. Box 248      | North Smithfield    | RI                   | 02876              |
| Town of Scituate           | 195 Danielson Pike                | No. Scituate        | RI                   | 02857              |
| Town of Smithfield         | 64 Farnum Pike                    | Smithfield          | RI                   | 02917              |
| Town of Warren             | 514 Main Street                   | Warren              | RI                   | 02885              |
| City of Attleboro          | 77 Park Street                    | Attleboro           | MA                   | 02703              |
| City of Taunton            | 15 Summer Street                  | Taunton             | MA                   | 02780              |
| Town of Bellingham         | 10 Mechanic Street                | Bellingham          | MA                   | 02019              |
| Town of Blackstone         | 15 St. Paul Street                | Blackstone          | MA                   | 01504              |
| Town of Dighton            | 979 Somerset Avenue               | Dighton             | MA                   | 02715              |
| Town of Douglas            | 29 Depot Street                   | Douglas             | MA                   | 01516              |
| Town of Foxborough         | 40 South Street                   | Foxborough          | MA                   | 02035              |
| Town of Franklin           | 355 East Central Street, Rte. 140 | Franklin            | MA                   | 02038              |
| Town of Hopedale           | 78 Hopedale Street                | Hopedale            | MA                   | 01747              |
| Town of Mansfield          | 6 Park Row                        | Mansfield           | MA                   | 02048              |
| Town of Medway             | 155 Village Street                | Medway              | MA                   | 02053              |
| Town of Mendon             | 20 Main Street                    | Mendon              | MA                   | 01756              |
| Town of Milford            | 52 Main Street                    | Milford             | MA                   | 01757              |
| Town of Millis             | 900 Main Street                   | Millis              | MA                   | 02054              |
| Town of Norfolk            | 1 Liberty Lane                    | Norfolk             | MA                   | 02056              |
| Town of North Attleboro    | 43 South Washington Street        | North Attleboro     | MA                   | 02760              |
| Town of Northbridge        | 7 Main Street                     | Whitinsville        | MA                   | 01588              |

| <b><i>Municipality</i></b> | <b><i>Street Address:</i></b> | <b><i>City:</i></b> | <b><i>State:</i></b> | <b><i>Zip:</i></b> |
|----------------------------|-------------------------------|---------------------|----------------------|--------------------|
| Town of Norton             | 70 East Main Street           | Norton              | MA                   | 02766              |
| Town of Plainville         | 142 South Street, PO Box 1717 | Plainville          | MA                   | 02762              |
| Town of Rehoboth           | 148 Peck Street               | Rehoboth            | MA                   | 02769              |
| Town of Seekonk            | 100 Peck Street               | Seekonk             | MA                   | 02771              |
| Town of Swansea            | 81 Main Street                | Swansea             | MA                   | 02777              |
| Town of Upton              | 1 Main Street                 | Upton               | MA                   | 01568              |
| Town of Uxbridge           | 21 South Main Street          | Uxbridge            | MA                   | 01569              |
| Town of Walpole            | 135 School Street             | Walpole             | MA                   | 02081              |
| Town of Wrentham           | 79 South Street, Rm. 213      | Wrentham            | MA                   | 02093              |

**(iii) Irrigation and drainage districts**

None

**(iv) Other political subdivisions with interest:**

None

**ATTACHMENT 2**  
**LAND DESCRIPTION**

**Non-Public Land States**

The Albion Dam and associated features are currently owned by the Rhode Island Department of Transportation (RIDOT). The dam, water rights and abutting property was taken by eminent domain in 1999 for “highway purposes”. Property adjacent to the dam parcel is currently owned by the Town of Cumberland (a partner in the proposed hydropower project).

The project would be located entirely in the State of Rhode Island which is a non-public land state.

### ATTACHMENT 3 DISTRIBUTION LIST

The following entities were notified of the filing of this permit application. This list includes parties identified by the FERC for the region as well as other local stakeholder groups that may be interested in or affected by the application.

| <b>Org Name</b>                           | <b>Address1</b>        | <b>Address2</b>          | <b>City</b>    | <b>State</b> | <b>Zip</b> |
|---|------------------------|--------------------------|----------------|--------------|------------|
| Advisory Council On Historic Preservation | Executive Director     | 1100 Pennsylvania Ave NW | Washington     | DC           | 20004      |
| American Canoe Association                | Executive Director     | 108 Hanover St           | Fredericksburg | VA           | 22401      |
| American Rivers                           | 1025 Vermont Ave., NW  | Suite 720                | Washington     | DC           | 20005      |
| American Whitewater                       | Executive Director     | P.O. Box 1540            | Cullowhee      | NC           | 28723      |
| Blackstone Paddle Club                    |                        | 175 Main Street          | Pawtucket      | RI           | 02860      |
| Blackstone River Coalition                |                        | Po Box 70477             | Worcester      | MA           | 01607      |
| Blackstone River Watershed Association    |                        | 271 Oak Street           | Uxbridge       | MA           | 01569      |
| Blackstone River Watershed Council        |                        | Po Box 8068              | Cumberland     | RI           | 02864      |
| Blackstone Valley Tourism Council         |                        | 175 Main Street          | Pawtucket      | RI           | 02860      |
| Bureau Of Indian Affairs                  | Regional Director      | 545 Marriott Drive       | Nashville      | TN           | 37214      |
| Bureau Of Indian Affairs                  | Director               | 1849 C Street NW         | Washington     | DC           | 20240      |
| Coastal Resources Management Council      |                        | 4808 Tower Hill Road     | Wakefield      | RI           | 02879      |
| Environmental Protection Agency           |                        | One Congress Street      | Boston         | MA           | 02114      |
| Environmental Protection Agency           | 1 Congress Street      | Suite 1100               | Boston         | MA           | 02114      |
| Federal Emergency Management Agency       | Regional Administrator | 99 High Street           | Boston         | MA           | 2110       |
| Federal Emergency Management Agency       |                        | 500 C Street SW          | Washington     | DC           | 20472      |
| Federal Energy Regulatory Commission      |                        | 19 W 34th St Rm 400      | New York       | NY           | 10001-3006 |
| Federal Energy Regulatory Commission      | Regional Engineer      | 19 West 34th Street      | New York       | NY           | 10001-3006 |

| <b>Org Name</b>                                     | <b>Address1</b>                                   | <b>Address2</b>                 | <b>City</b>  | <b>State</b> | <b>Zip</b> |
|---|---|---------------------------------|--------------|--------------|------------|
| FEMA  | J. W. McCormack Post Office & Courthouse Building | Room 442                        | Boston       | MA           | 02109-4595 |
| Hydropower Reform Coalition                         |   | 830 Reville St.                 | Bellingham   | WA           | 98229-     |
| Narragansett Bay Estuary Program                    | Uri Bay Campus                                    | Box 27                          | Narragansett | RI           | 02882      |
| Narragansett Tribal Nation                          |   | Po Box 700                      | Wyoming      | RI           | 02898      |
| National Oceanic And Atmospheric Administration     | Regional Administrator                            | One Blackburn Drive             | Gloucester   | MA           | 01930-2298 |
| National Oceanic And Atmospheric Administration     | Director  | 55 Great Republic Dr            | Gloucester   | MA           | 01930-2276 |
| National Oceanic And Atmospheric Administration     |   | 1401 Constitution Ave NW        | Washington   | DC           | 20230      |
| National Park Service                               | U.S. Custom House                                 | 200 Chestnut Street, 5th Flr.   | Philadelphia | PA           | 19106      |
| National Park Service                               | Director  | 1849 C Street NW                | Washington   | DC           | 20240      |
| Naval Seafloor Cable Protection Office              |   | 1322 Patterson Ave Se           | Washington   | DC           | 20374-5065 |
| Northern RI Conservation District                   |   | 17 Smith Ave                    | Greenville   | RI           | 02828-1730 |
| Office Of Senator Reed                              |   | 728 Hart Senate Office Building | Washington   | DC           | 20510      |
| Office Of Senator Whitehouse                        |   | 502 Hart Senate Office Building | Washington   | DC           | 20510      |
| Office Of The Attorney General                      |   | 150 S. Main Street              | Providence   | RI           | 02903      |
| Office Of The Governor                              |   | State House                     | Providence   | RI           | 02903-1196 |
| Rhode Island Department Of Environmental Management |   | 235 Promenade St                | Providence   | RI           | 02908-5734 |
| Rhode Island Department Of Environmental Management | Dam Safety Section                                | 291 Promenade St                | Providence   | RI           | 02908-5720 |
| Rhode Island Department Of Environmental Management |   | 235 Promenade St                | Providence   | RI           | 02908-5734 |

| <b>Org Name</b>  | <b>Address1</b>                         | <b>Address2</b>              | <b>City</b>        | <b>State</b> | <b>Zip</b>     |
|--|---|------------------------------|--------------------|--------------|----------------|
| Rhode Island<br>Department Of<br>Environmental<br>Management |   | 235 Promenade<br>St          | Providence         | RI           | 02908-<br>5734 |
| Rhode Island<br>Department Of<br>Environmental<br>Management |   | 235 Promenade<br>St          | Providence         | RI           | 02908-<br>5734 |
| Rhode Island<br>Department Of<br>Environmental<br>Management |   | 235 Promenade<br>St          | Providence         | RI           | 02908-<br>5734 |
| Rhode Island Div. Of<br>Coastal Resources                    | Dept. Of<br>Environmental<br>Management | 235 Promenade<br>St          | Providence         | RI           | 02908-<br>5734 |
| Rhode Island Div. Of<br>Fish & Wildlife                      | Government<br>Center                    | 4808 Tower Hill<br>Road      | Wakefield          | RI           | 02879          |
| Rhode Island Div. Of<br>Land Resources                       | Dept. Of<br>Environmental<br>Management | 235 Promenade<br>St Unit 190 | Providence         | RI           | 02908-<br>5734 |
| Rhode Island Div. Of<br>Water Resources                      | Dept. Of<br>Environmental<br>Management | 291 Promenade<br>St          | Providence         | RI           | 02908-<br>5720 |
| Rhode Island<br>Economic<br>Development<br>Corporation       | 315 Iron<br>Horse Way                   | Suite 101                    | Providence         | RI           | 02908          |
| Rhode Island Historic<br>Preservation &<br>Heritage Comm     |   | 150 Benefit St               | Providence         | RI           | 2903           |
| Rhode Island Office<br>Of Energy Resources                   |   | One Capitol Hill             | Providence         | RI           | 02908          |
| Rhode Island Water<br>Resources Board                        | 100 N Main St                           | Suite 5                      | Providence         | RI           | 02903-<br>1325 |
| RI State Conservation<br>Committee                           |   | 17 Smith Ave                 | Greenville         | RI           | 02828-<br>1730 |
| Save The Bay   |   | 100 Save The<br>Bay Drive    | Providence         | RI           | 02905          |
| Trout Unlimited  |   | 2208 Mendon<br>Road          | Cumberland         | RI           | 02864          |
| U.S Coast Guard  | MSO<br>Providence                       | 20 Risho Ave                 | East<br>Providence | RI           | 02914-<br>1297 |
| U.S. Army Corps Of<br>Engineers                              | Division<br>Commander                   | 302 General<br>Lee Avenue    | Brooklyn           | NY           | 11252-<br>6700 |
| U.S. Army Corps Of<br>Engineers                              | District<br>Engineer                    | 696 Virginia<br>Road         | Concord            | MA           | 01742-<br>2751 |
| U.S. Army Corps Of<br>Engineers                              | Commander                               | 441 G Street<br>NW           | Washington         | DC           | 20314          |
| U.S. Bureau Of Indian<br>Affairs                             | 545 Marriott<br>Drive                   | Suite 700                    | Nashville          | TN           | 37214          |



| <b>Org Name</b>                                 | <b>Address1</b>        | <b>Address2</b>                 | <b>City</b> | <b>State</b> | <b>Zip</b> |
|---|------------------------|---------------------------------|-------------|--------------|------------|
| U.S. Bureau Of Indian Affairs                   | Natural Resources      | 911 Ne 11th Avenue              | Portland    | OR           | 97232      |
| U.S. Bureau Of Indian Affairs                   |                        | 1849 C Street, NW               | Washington  | DC           | 20420      |
| U.S. Bureau Of Land Management                  | State Director         | 7450 Boston Boulevard           | Springfield | VA           | 22153      |
| U.S. Bureau Of Land Management                  | Director               | 1849 C Street NW                | Washington  | DC           | 20240      |
| U.S. Bureau Of Reclamation                      | Commissioner           | 1849 C Street NW                | Washington  | DC           | 20240      |
| U.S. Department Of Agriculture - Forest Service | Regional Forester      | 626 East Wisconsin Avenue       | Washington  | DC           | 53202      |
| U.S. Department Of Agriculture - Forest Service | Chief                  | 1400 Independence Ave SW        | Washington  | DC           | 20250-0003 |
| U.S. Department Of Commerce                     | Secretary              | 1401 Constitution Avenue NW     | Washington  | DC           | 20230      |
| U.S. Department Of Interior                     |                        | 408 Atlantic Ave Ste 142        | Boston      | MA           | 02109      |
| U.S. Environmental Protection Agency            | Regional Administrator | 5 Post Office Square, Suite 100 | Boston      | MA           | 02109-3912 |
| U.S. Environmental Protection Agency            | Administrator          | 1200 Pennsylvania Ave NW        | Washington  | DC           | 20460      |
| U.S. Fish And Wildlife Service                  |                        | 70 Commercial St Ste 300        | Concord     | NH           | 03301-5031 |
| U.S. Fish And Wildlife Service                  | Field Supervisor       | 70 Commercial Street            | Concord     | NH           | 03301-5087 |
| U.S. Fish And Wildlife Service                  | Regional Director      | 300 Westgate Center Drive       | Hadley      | MA           | 01305-9589 |
| U.S. Fish And Wildlife Service                  |                        | 300 Westgate Center Dr          | Hadley      | MA           | 01035-9587 |
| U.S. Fish And Wildlife Service                  |                        | 300 Westgate Center Dr          | Hadley      | MA           | 01035-9587 |
| U.S. Fish And Wildlife Service                  | Director               | 1849 C Street NW                | Washington  | DC           | 20240-0001 |
| U.S. Forest Service                             |                        | 1400 Independence Avenue SW     | Washington  | DC           | 20250-0003 |
| U.S. National Park Service                      | 15 State Street        | 10th Floor                      | Boston      | MA           | 02109      |
| United States Department Of Agriculture         |                        | 40 Quaker Lane                  | Warwick     | RI           | 02886      |
| United States Geological Survey                 | Director               | 12201 Sunrise Valley Dr         | Reston      | VA           | 20192      |
| United States Geological Survey                 | Regional Director      | 12201 Sunrise Valley Dr         | Reston      | VA           | 20192      |

| <b>Org Name</b>                        | <b>Address1</b>      | <b>Address2</b>   | <b>City</b>   | <b>State</b> | <b>Zip</b> |
|--|----------------------|-------------------|---------------|--------------|------------|
| US Army Corps Of Engineers             | N E Div / Regulatory | 696 Virginia Rd   | Concord       | MA           | 01742-2718 |
| US Department Of Energy                | 1 Congress St        | Suite 1101        | Boston        | MA           | 02114      |
| US Geological Survey                   |                      | 101 Pitkin St     | East Hartford | CT           | 06108      |
| Representative David Cicilline         | 1070 Main Street     | Suite 300         | Pawtucket     | RI           | 02860      |
| Representative James Langevin          | 300 Centerville Rd.  | Suite 200 South   | Warwick       | RI           | 02886      |
| Wampanoag Tribe Of Gay Head (Aquinnah) |                      | 20 Black Brook Rd | Aquinnah      | MA           | 02535      |

**BEFORE THE FEDERAL ENERGY REGULATORY COMMISSION**

**Application for Preliminary Permit  
for  
Hydroelectric Development  
of the  
Albion Dam  
on the  
Blackstone River  
Providence County, Rhode Island**

**Submitted by:**

**Albion Hydro, LLC  
27 Vaughan Ave.  
Newport, RI 02840**

**June 13, 2011**

## **INITIAL STATEMENT**

In accordance with the Code of Federal Regulations (CFR), Title 18, Volume 1, Part 4, Section 4.81, Albion Hydro, LLC applies to the Federal Energy Regulatory Commission (FERC) for a preliminary permit for the proposed Albion Dam water power project, as described in the attached exhibits. This application is made in order that the applicant may secure and maintain priority of application for a license for the project under Part I of the Federal Power Act while obtaining the data and performing the acts required to determine the feasibility of the project and to support an application for a license.

The location of the proposed project is:

**State of Rhode Island  
Providence County  
Town of Cumberland  
Blackstone River**

The exact name, business address, and telephone number of the applicant are:

**Albion Hydro, LLC  
27 Vaughan Ave.  
Newport, RI 02840  
ph: (401) 619-4872  
fax: (401) 619-4874**

The exact name and business address of each person authorized to act as agent for the applicant in this application are:

**Fred Szufnarowski, P.E.  
Jonathan Petrillo  
Bruce DiGennaro  
Essex Energy Partners, LLC  
27 Vaughan Ave.  
Newport, RI 02840  
ph: (401) 619-4872  
fax: (401) 619-4874**

**Seth Handy, Esq.  
Handy Law, LLC  
42 Weybosset Street  
Providence RI 02903  
ph: (401) 626-4839  
fax: (401) 753-6306**

Albion Hydro, LLC is a limited liability corporation formed to develop the hydropower resource of the Albion Dam to provide municipal benefits. However, Albion Hydro, LLC and its affiliates are **NOT** claiming municipal preference under section 7(a) of the Federal Power Act.

The proposed term of the requested permit is for **36 months**.

The existing Albion Dam is currently owned by:

**Rhode Island Department of Transportation  
2 Capitol Hill  
Providence, RI 02903  
ph: (401) 222-2411**

## **EXHIBIT 1: DESCRIPTION OF THE PROPOSED PROJECT**

The proposed project will consist of rehabilitating an abandoned hydroelectric project associated with the existing Albion Dam (a.k.a. Berkshire Hathaway Dam) located on the Blackstone River in Providence County, Cumberland, Rhode Island (Exhibit 3 – Sheets 1&2). The existing Albion Dam (State ID #60, National ID #RI00808) is a 400-ft long, 25-ft high masonry structure originally constructed in 1850, consists of an overflow spillway and gate control structure. The spillway is 300 ft long with a hydraulic height of 12 ft and extends from the right abutment wall spanning a major part of the river channel. The gate structure adjacent to the left abutment contains two gated openings. A massive masonry wall separates both water retaining structures. Project facilities will include the existing dam, a new powerhouse and generating equipment at the project dam, fish passage/protection measures and a switchyard with interconnection facilities.

The existing reservoir impounded by the Albion Dam has a surface area of approximately 55 acres with a normal storage of approximately 235 acre feet at approximately 87.5 ft (NGVD 29) and a maximum storage of approximately 347 acre feet. The project would be operated as a run-of-river facility. The existing impoundment would not be affected by the project.

Preliminary analysis favors installation of new generating equipment at the project spillway (Exhibit 3 – Figure 3). Generating equipment would consist of a single double regulated bulb turbine and generator. The unit would have a total installed capacity of approximately 1,200 kw at a rated head of 12-ft and 850 cfs flow. The average annual generation is estimated to be approximately 4,000 MWH.

The project will be configured to eliminate or minimize the creation of a bypass reach to the extent practicable. Turbine flows will be routed through a new intake at the upstream face of the existing dam and will discharge in a restored tailrace channel immediately downstream of the spillway. A new powerhouse will be constructed in the location of the existing abandoned gates on river left. The powerhouse will be integral to the dam and will contain the new generating equipment and controls.

A new, single circuit overhead line would be built to connect the project to the existing National Grid 13.8 KV distribution line at existing Bell Atlantic utility pole number 31-1 on Albion Rd.

There are no lands of the United States that are enclosed within the proposed project.

Albion Hydro, LLC anticipates operating the project according to the following provisions:

- Operate the project in run-of-river mode;
- Provide instream flows at levels determined in consultation with the Rhode Island Department of Environmental Management (RIDEM) and the United States Fish

and Wildlife Service (FWS) to be protective of aquatic resources and water quality;

- Provide fish passage and protection measures in a manner and schedule approved by the RIDEM and the FWS;
- Protect cultural and historic resources;
- Maintain opportunities for public access, and;
- Implement a flow monitoring program for the project.

## **EXHIBIT 2: DESCRIPTION OF STUDIES TO BE CONDUCTED**

Albion Hydro, LLC proposes to pursue a license exemption for a minor water power project in accordance with 18 CFR 4.3. Albion Hydro, LLC will prepare a First Stage Consultation Document (FSCD) and initiate Stage 1 of the Traditional Licensing Process (TLP) in accordance with 18 CFR 4.30. The FSCD will outline existing information and necessary studies and be used as the basis for a Joint Meeting with resource agencies and the public to be held shortly after issuance of a preliminary permit. Based on consultation with resource agencies, Albion Hydro, LLC will conduct necessary studies and prepare a development application. The application will include:

- Introductory statement.
- Optimization analysis outlining rationale for equipment selection and project configuration.
- Exhibit A describing the small hydroelectric project and its proposed mode of operation.
- Exhibit E providing an environmental report reflecting pre-filing consultation requirements. Commensurate with the scope and environmental impact of the construction and operation of the small hydroelectric power project, the exhibit will include a description of the project's environmental setting, the expected environmental impacts, and proposed measures to protect the environment.
- Exhibit F providing drawings showing the project structures and equipment.
- Exhibit G providing a map of the project and boundary.

Albion Hydro, LLC will utilize existing and newly acquired information as appropriate to complete the optimization study and exhibits noted above. We anticipate collecting and evaluating information relative to the following within the term of the permit:

- Hydrology and Hydraulics;
- Site Survey Data;
- Geotechnical Data;
- Natural Resources;
- Optimization Study;
- Cultural and Historic Resources;
- Constructability, and;
- Project Economics.

The cost for studies and preparation of the development application is estimated to be \$250,000. The expected sources and extent of financing available to Albion Hydro, LLC to conduct the necessary studies are:

- Private Financing;
- Public-Private Partnerships, and;
- Renewable Energy Development Grant Programs.



The potential need for any new construction, including the optimal size, location, and nature of such construction will be determined based on the results of the investigations noted above. A work plan and schedule for any new construction will be prepared as appropriate.

Albion Hydro, LLC does not anticipate the need to construct any new roads for the purposes of conducting the feasibility study noted above.

Albion Hydro, LLC has held preliminary discussions with the following stakeholder groups:

- Blackstone River Valley Tourism Council;
- Blackstone River Watershed Council;
- The National Park Service;
- The Rhode Island Economic Development Corporation (RIEDC);
- The Rhode Island Department of Environmental Management (RIDEM);
- Town of Lincoln;
- Town of Cumberland;
- Town of Glocester;
- The City of Pawtucket;
- The City of Central Falls;
- Conservation Law Foundation;
- Narragansett Bay Estuary Program;
- Rhode Island Office of Energy Resources, and;
- Save the Bay.

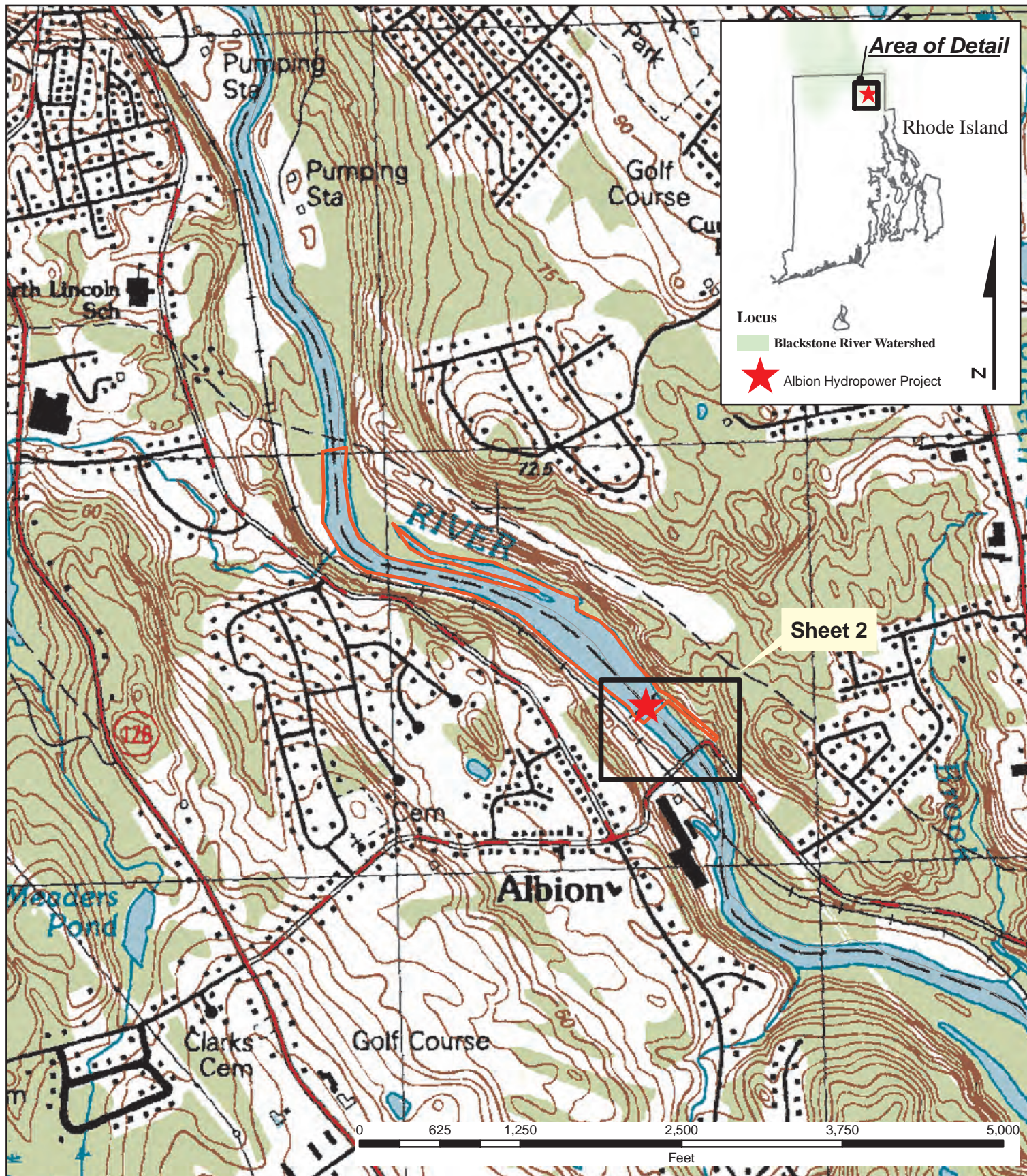
**EXHIBIT 3: MAPS**

Attached are the following drawings:

*Sheet 1 – Locus and Project Boundary*

*Sheet 2 – General Arrangement*







**Albion Hydro, LLC**  
**Albion Hydropower Project**

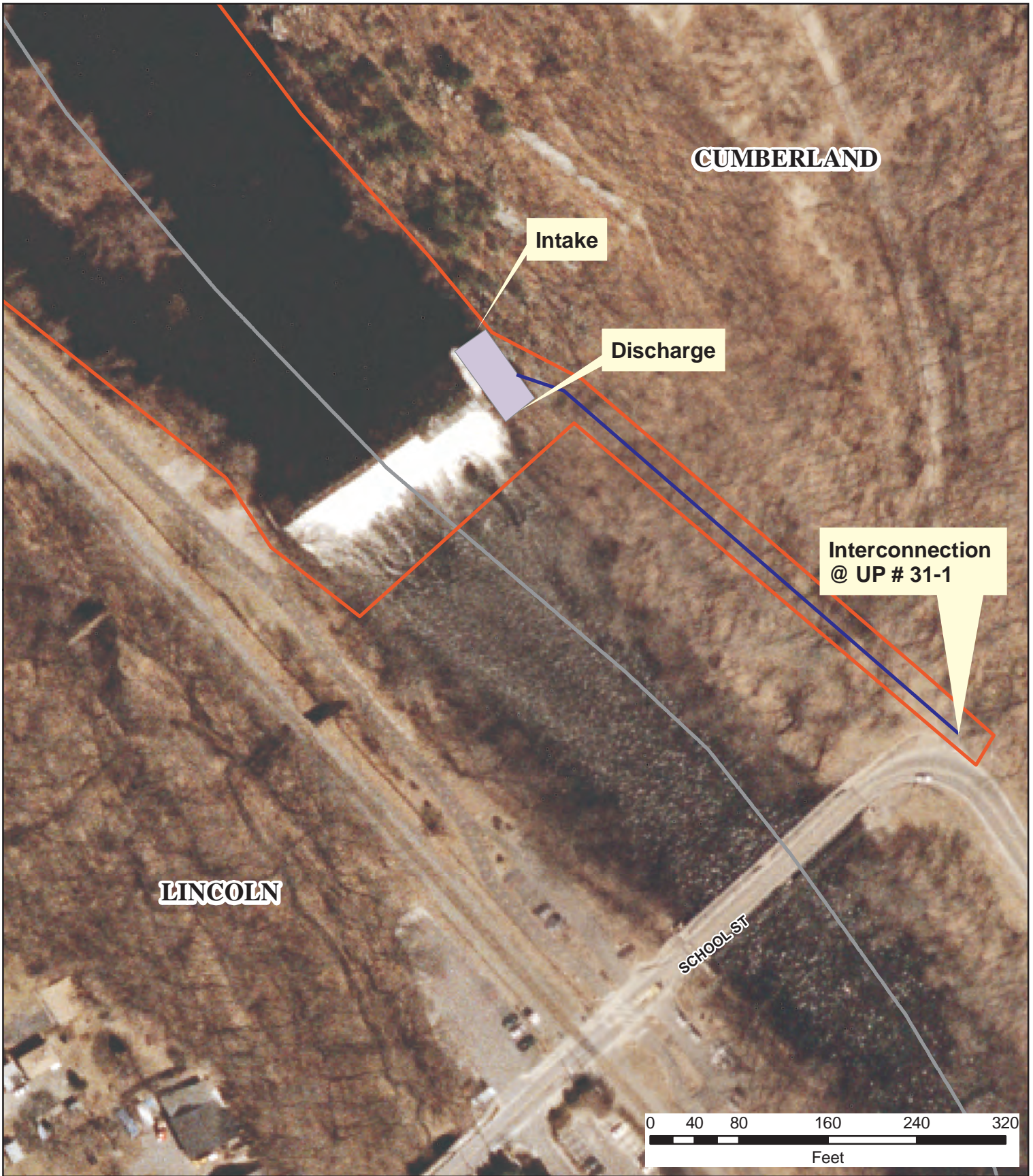
**Sheet 1**  
**Project Location / Boundary**

**Legend**

-  Albion Hydropower Project
-  Albion Project Boundary

*This map does not comply with National Mapping Standards  
and is intended for informational purposes only.*





**Albion Hydro, LLC**  
**Albion Hydropower Project**

**Sheet 2**  
**General Arrangement**

**Legend**

- Proposed Electrical Interconnection
- Proposed Powerhouse
- Albion Project Boundary



*This map does not comply with National Mapping Standards  
and is intended for informational purposes only.*