

UNITED STATES OF AMERICA
BEFORE THE FEDERAL ENERGY REGULATORY COMMISSION

**FINAL APPLICATION FOR NEW LICENSE FOR MAJOR PROJECT -
EXISTING DAM**

**EXHIBIT G – PROJECT
BOUNDARY MAPS**

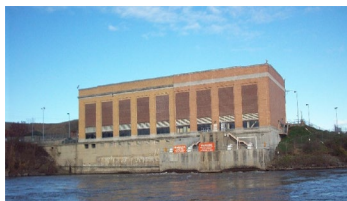
Prepared by: ***Kleinschmidt***

May 2022

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**CRESCENT HYDROELECTRIC PROJECT
RELICENSING**

FERC NO. 4678



**NY Power
Authority**

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Attachments

Crescent Hydroelectric Project (FERC No. 4678) Exhibit G Project Boundary Maps 1-3

1 Detailed Maps

Exhibit G provides maps showing the Project boundary enclosing the Crescent Hydroelectric Project (Project), as described in Exhibit A. The maps conform to the requirements of Section 4.41(h) of the Federal Energy Regulatory Commission's (FERC or the Commission) regulations. Maps of the Project Area showing principal Project features and the Project boundary are included.

2 Project Boundary

The Project boundary is shown on the attached Exhibit G maps. The Project boundary includes all lands necessary for operation and maintenance of the Project. The Applicant possesses property or easement rights to all areas associated with the defined Project boundary.

The Power Authority is proposing no modifications to the Crescent Project boundary.

3 Federal Lands

There are no public lands or reservations of the United States within the Project boundary.

4 Non-Federal Lands

The Power Authority has acquired, either through fee, easement, or lease, all land rights necessary to operate the Project. Land to which the Power Authority holds title or right is identified on the attached Exhibit G maps.

5 Project Boundary Data

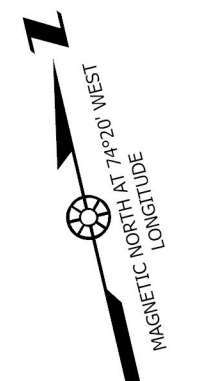
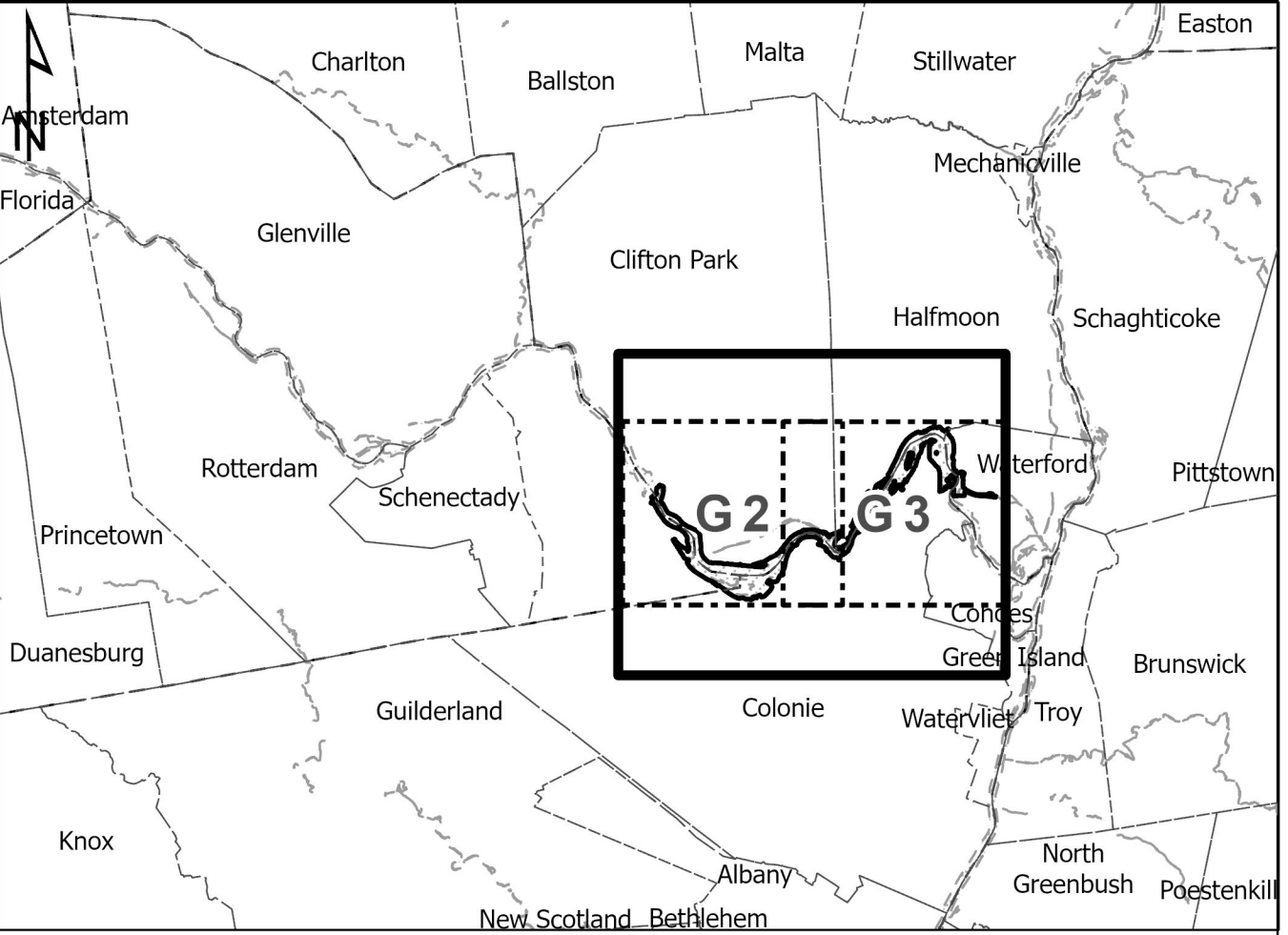
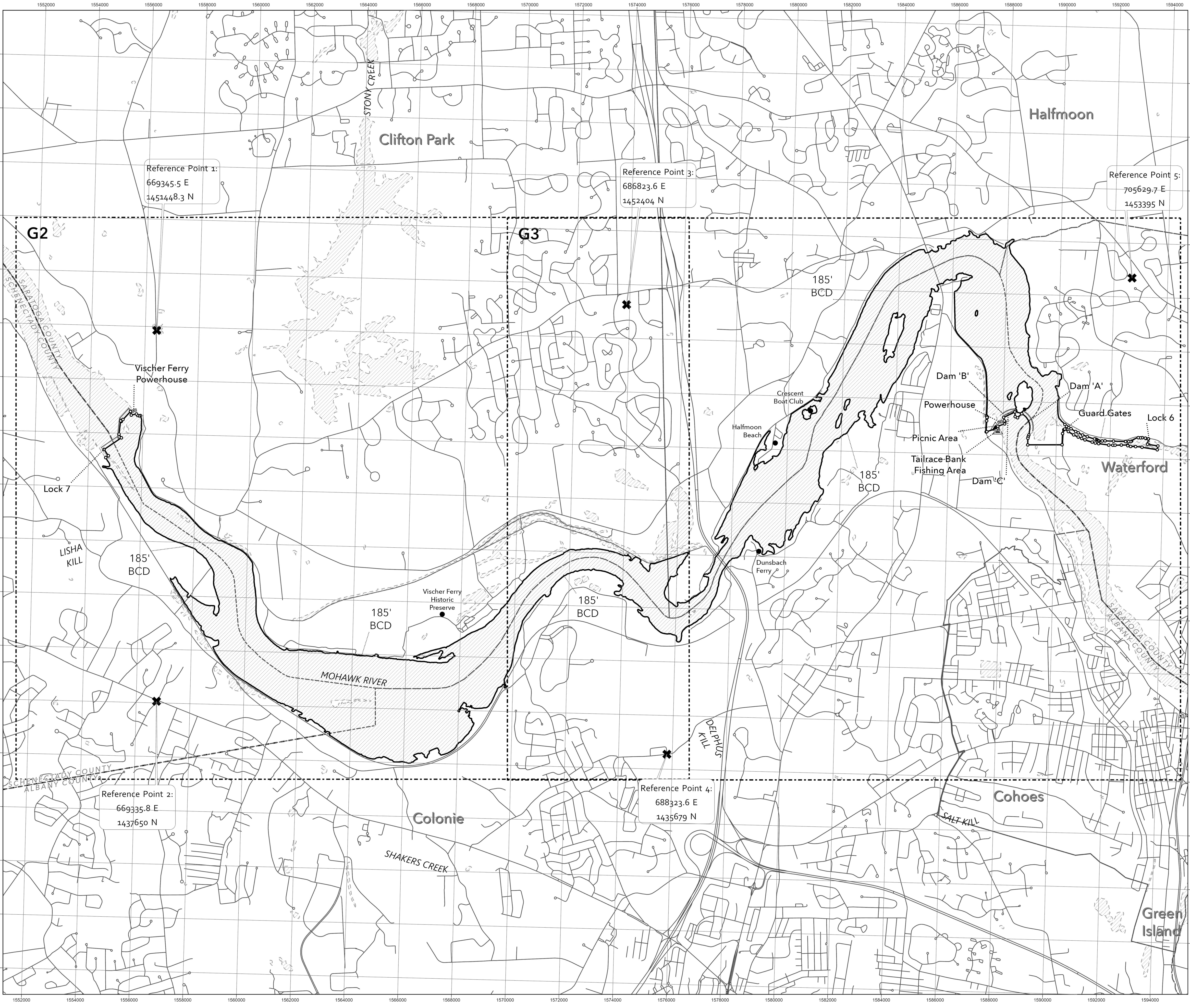
Metes and Bounds Point 1 (1448278.94 N, 668739.14 E feet)				
Course	Bearing	Distance	Start Point in NAD83 New York State Plane East	
			North (feet)	East (feet)
1-2	S77-37-1W	50.5	1448276.04	668737.81
2-3	N73-17-41W	59.5	1448265.22	668688.50
3-4	N37-44-48W	71.1	1448282.31	668631.53
4-5	S77-29-19W	197.8	1448338.56	668587.98
5-6	N12-17-9W	136.3	1448295.71	668394.88
6-7	S42-42-52W	405.2	1448428.85	668365.89
7-8	S42-42-41W	2.5	1448131.11	668091.00
8-9	S42-42-52W	98.5	1448129.27	668089.30
9-10	N47-13-4W	31.4	1448056.89	668022.48
10-11	S6-42-18W	500.3	1448078.23	667999.42
11-12	S33-28-38E	156.9	1447581.35	667941.00
12-13	S55-51-41W	772.8	1447450.49	668027.54
13-14	S33-55-48E	281.4	1447016.79	667387.89
14-15	S55-15-56W	117.4	1446783.29	667544.98
15-16	S'LY along Mohawk River Full Pool Elevation 185' BCD	75,422.8	1446716.37	667448.46
16-17	S12-34-58E	61.0	1448258.72	700221.01
17-18	N35-6-4W	7.9	1448199.22	700234.29
18-19	S4-7-6W	126.7	1448205.66	700229.77
19-20	S3-8-35W	408.7	1448079.29	700220.67
20-21	N71-33-53E	27.0	1447671.16	700198.26

Metes and Bounds Point 1 (1448278.94 N, 668739.14 E feet)				
Course	Bearing	Distance	Start Point in NAD83 New York State Plane East	
			North (feet)	East (feet)
21-22	N71-33-54E	428.0	1447679.69	700223.83
22-23	N1-25-21E	63.7	1447815.04	700629.91
23-24	N70-38-7E	271.1	1447878.69	700631.49
24-25	N11-31-38E R = 51.0'	93.3	1447968.58	700887.25
25-26	N39-43-7W	44.0	1448047.75	700903.39
26-27	N11-14-20W	127.5	1448081.60	700875.27
	N64-8-11E			
27-28	Course is 80' from Downstream face of Impoundment Structures at a bearing of N26-52- 49W	464.7	1448206.66	700850.42
28-29	S3-10-42E	170.1	1448409.38	701268.57
29-30	S65-20-29E R = 54.0'	128.7	1448239.57	701278.00
30-31	N46-52-38E	216.7	1448197.72	701369.14
	S18-15-18E R = 680.6'			
31-32	Course is 130' from Upstream Face of Impoundment Structures at a bearing of N72-45- 42E R = 680.6'	896.4	1448345.86	701527.33
32-33	S21-51-37W	66.3	1447554.78	701788.26

Metes and Bounds Point 1 (1448278.94 N, 668739.14 E feet)				
Course	Bearing	Distance	Start Point in NAD83 New York State Plane East	
			North (feet)	East (feet)
33-34	S10-21-59W	64.4	1447493.25	701763.57
34-35	S1-39-45W	241.0	1447429.91	701751.99
35-36	N89-56-27E	1,281.1	1447188.99	701745.00
36-37	N2-24-31E	416.5	1447190.31	703026.08
37-38	N16-1-15E R = 260.3	154.8	1447606.40	703043.58
38-39	S82-14-1E	16.9	1447753.00	703085.68
39-40	N37-7-10E	32.3	1447750.72	703102.42
40-41	S55-16-28E	163.5	1447776.45	703121.90
41-42	S58-9-27E	233.0	1447683.33	703256.25
42-43	S64-16-9E	191.9	1447560.42	703454.17
43-44	S69-38-49E	137.8	1447477.08	703627.08
44-45	S64-39-14E	131.4	1447429.17	703756.25
45-46	S72-53-50E	283.4	1447372.92	703875.00
46-47	S75-0-18E	120.8	1447289.58	704145.83
47-48	S79-4-38E	120.9	1447258.33	704262.50
48-49	S82-8-9E	380.7	1447235.42	704381.25
49-50	S87-40-43E	154.3	1447183.33	704758.33
50-51	S88-36-10E	85.4	1447177.08	704912.50
51-52	N88-46-35E	234.1	1447175.00	704997.92
52-53	N89-20-43E	233.3	1447180.00	705232.00
53-54	S9-13-42E	24.8	1447182.67	705465.33
54-55	S72-46-55E	106.8	1447158.18	705469.31

Metes and Bounds Point 1 (1448278.94 N, 668739.14 E feet)				
Course	Bearing	Distance	Start Point in NAD83 New York State Plane East	
			North (feet)	East (feet)
55-56	S89-28-45E	190.2	1447126.57	705571.33
56-57	S83-30-15E	236.7	1447124.84	705761.54
57-58	S80-50-57E	576.7	1447098.06	705996.71
58-59	N8-38-42E	143.5	1447006.34	706566.09
59-60	N80-46-38W	392.1	1447148.19	706587.66
60-61	N10-53-56E	198.6	1447211.04	706200.58
61-62	N79-22-39W	97.0	1447406.02	706238.12
62-63	N62-24-10W	24.2	1447423.89	706142.81
63-64	N80-10-56W	114.7	1447435.09	706121.39
64-65	S87-19-49W	67.5	1447454.66	706008.32
65-66	N85-36-47W	81.4	1447451.51	705940.86
66-67	S62-20-53W R = 565.8'	295.1	1447457.74	705859.66
67-68	S58-30-55W	26.4	1447322.34	705601.23
68-69	N89-31-29W	73.4	1447308.56	705578.72
69-70	N89-16-59W	120.0	1447309.16	705505.33
70-71	N87-56-55W	447.0	1447310.67	705385.33
71-72	N87-50-4W	317.6	1447326.67	704938.67
72-73	S86-22-43W	105.5	1447338.67	704621.33
73-74	N82-24-19W R = 239.7'	143.4	1447332.00	704516.00
74-75	N65-19-22W	54.3	1447350.67	704376.00
75-76	N57-43-28W	30.0	1447373.33	704326.67
76-77	N68-33-8W	40.1	1447389.33	704301.33

Metes and Bounds Point 1 (1448278.94 N, 668739.14 E feet)				
Course	Bearing	Distance	Start Point in NAD83 New York State Plane East	
			North (feet)	East (feet)
77-78	N85-1-49W	30.8	1447404.00	704264.00
78-79	N72-4-47W	281.7	1447406.67	704233.33
79-80	N70-9-19W	188.5	1447493.33	703965.33
80-81	N63-14-45W	180.7	1447557.33	703788.00
81-82	N64-5-37W	103.8	1447638.67	703626.67
82-83	N60-4-6W	203.1	1447684.00	703533.33
83-84	N65-29-33W	99.6	1447785.33	703357.33
84-85	N57-16-32W	85.4	1447826.67	703266.67
85-86	N42-59-49W	97.1	1447872.83	703194.83
86-1	N'LY along Mohawk River Full Pool Elevation 185' BCD	73,011.7	1447943.83	703128.63



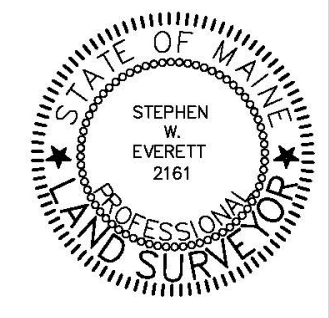
- FERC Project Boundary
- Project Facilities
- Project Recreation Site
- Reference Points
- Map Extents
- Body of Water
- Counties
- City / Town
- Road
- Metes and Bounds

Map notes:

1. The Crescent Project is located in the State of New York in Saratoga, Albany and Schenectady Counties.
2. Reference Point coordinates are shown in NAD 1983 State Plane New York East FIPS 3101 (US Feet).
3. The vertical datum for this Exhibit G is the Barge Canal Datum (BCD).
4. The Project Boundary perimeter description will be contained in the Exhibit G Project Boundary Description Table with the Final License Application.
5. The Project Boundary is defined by elevation contour 185' BCD, which was developed through contour elevations derived from the Capital District 2008 LiDAR Data Collection that meets or exceeds the accuracy requirements in 18CFR4.41. Islands above the elevation of 185' BCD are excluded from the project boundary. No field surveys have been performed to confirm the boundary locations shown herein.
6. All lands and waters within the project boundary depicted herein are controlled through a hydroelectric easement conveyed to the Power Authority of the State of New York by the People of the State of New York by indenture dated March 7, 1984.
7. Magnetic North Declination was cited from NOAA, March 2022

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.



New York Power Association

CRESCENT HYDROELECTRIC PROJECT

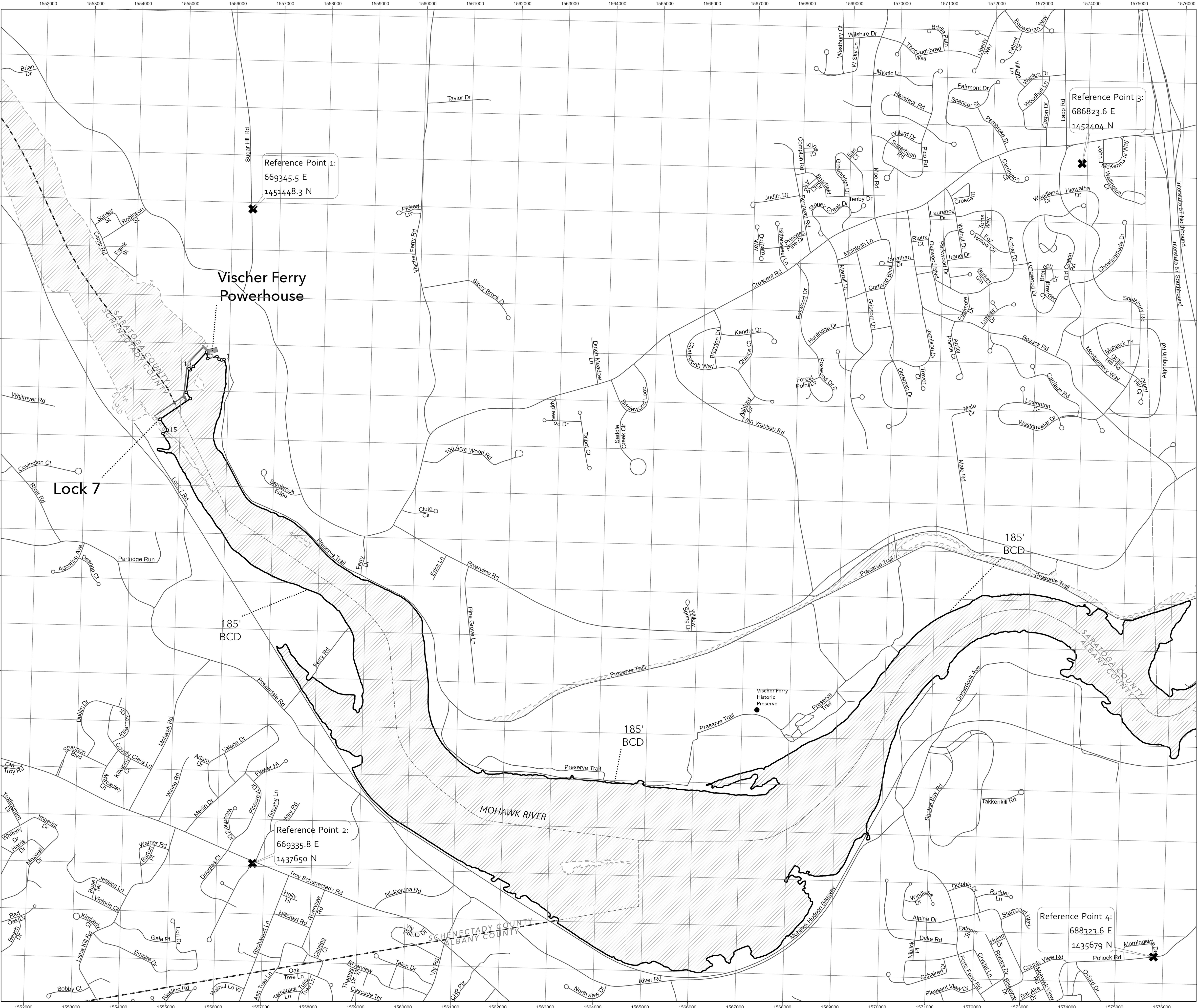
FERC NO. 4678

PROJECT BOUNDARY MAP

EXHIBIT G-1

SCALE: 1" = 1,750'

SHEET NO. 1 OF 3



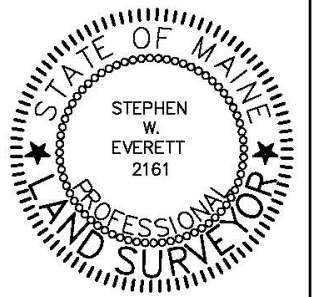
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FERC NO. 4678

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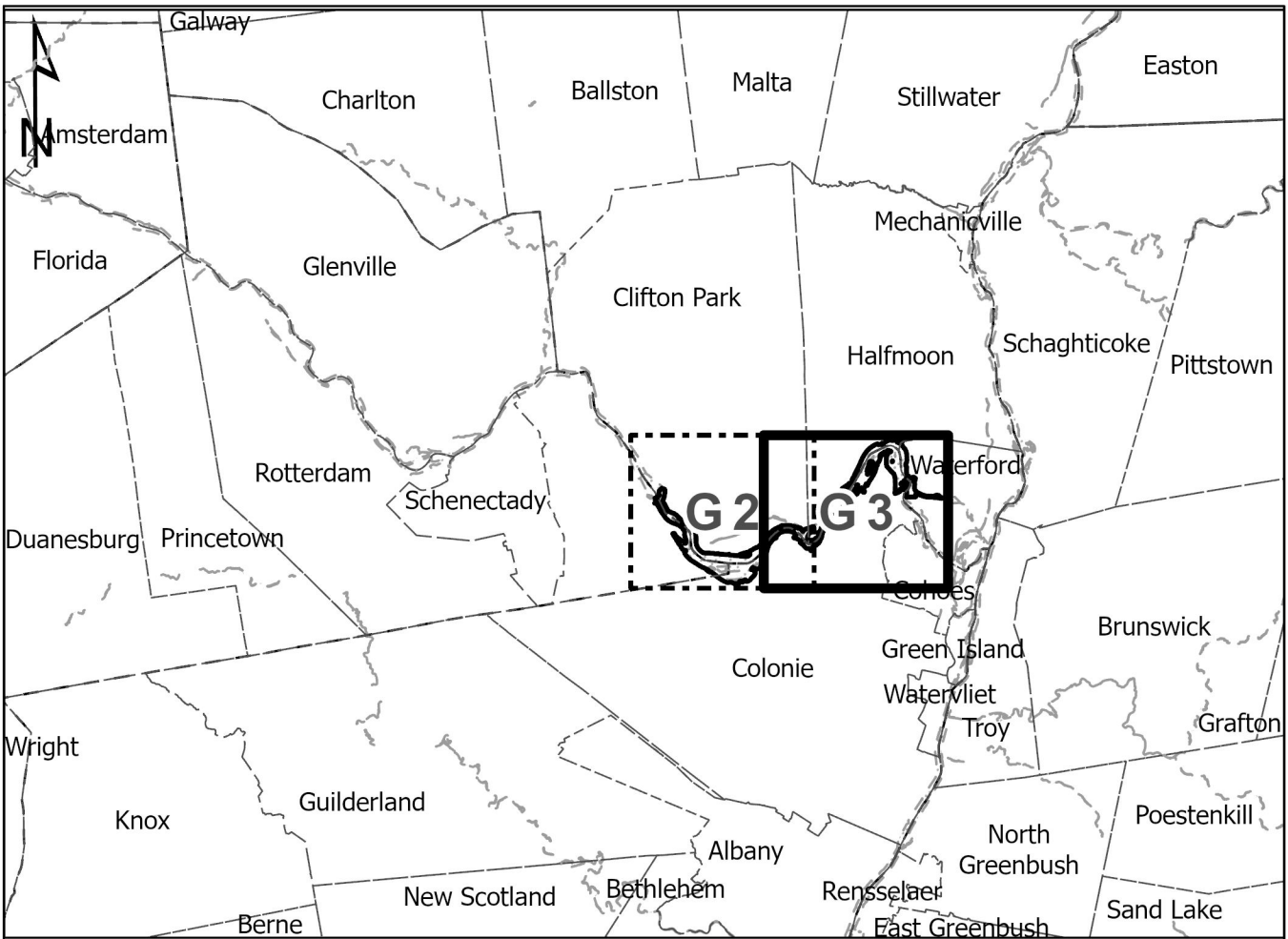
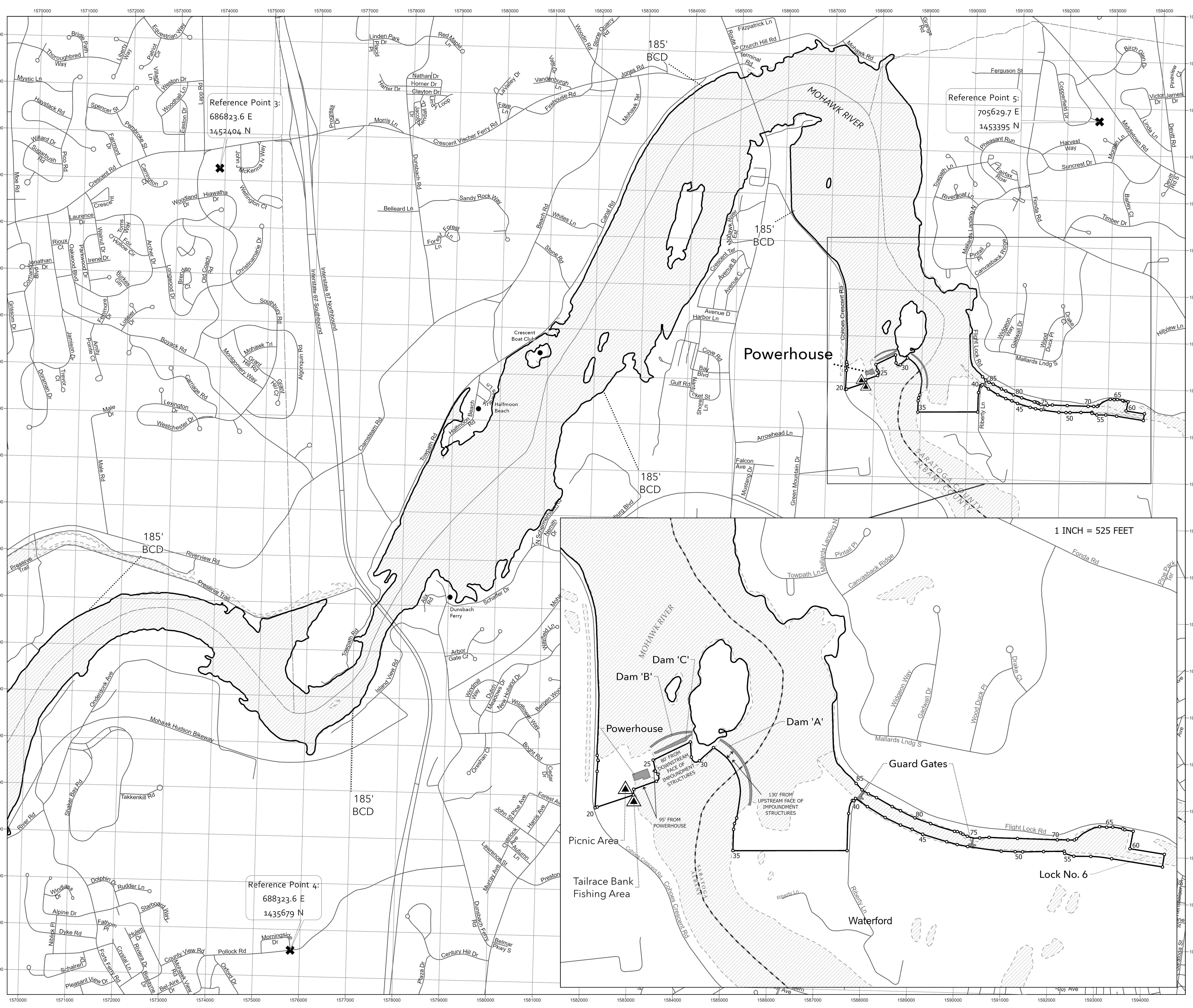
EXHIBIT G-2

SCALE: 1" = 1,000'

SHEET NO. 2 OF 3

0 500 1,000 2,000 3,000 4,000 Feet

Reference Point 4:
688323.6 E
1435679 N



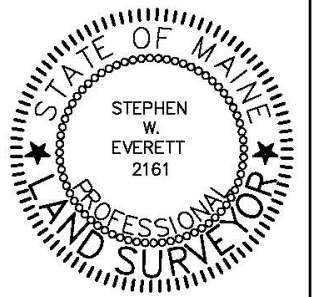
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New York Power Association

CRESCENT HYDROELECTRIC PROJECT
FERC NO. 4678

PROJECT BOUNDARY MAP

EXHIBIT G-3

SCALE: 1" = 1,000'

SHEET NO. 3 OF 3

0 500 1,000 2,000 3,000 4,000

Feet

