DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS, NEW YORK DISTRICT
26 FEDERAL PLAZA, ROOM 16-406
NEW YORK, NEW YORK 10278-0090

CENAN-OP-R 11 OCTOBER 2024

MEMORANDUM FOR RECORD

SUBJECT: US Army Corps of Engineers (Corps) Approved Jurisdictional Determination in accordance with the "Revised Definition of 'Waters of the United States'"; (88 FR 3004 (January 18, 2023) as amended by the "Revised Definition of 'Waters of the United States'; Conforming" (8 September 2023) ,[1] NAN-2024-00527-WOR.[2]

BACKGROUND. An Approved Jurisdictional Determination (AJD) is a Corps document stating the presence or absence of waters of the United States on a parcel or a written statement and map identifying the limits of waters of the United States on a parcel. AJDs are clearly designated appealable actions and will include a basis of JD with the document.[3] AJDs are case-specific and are typically made in response to a request. AJDs are valid for a period of five years unless new information warrants revision of the determination before the expiration date or a District Engineer has identified, after public notice and comment, that specific geographic areas with rapidly changing environmental conditions merit re-verification on a more frequent basis.[4]

On January 18, 2023, the Environmental Protection Agency (EPA) and the Department of the Army ("the agencies") published the "Revised Definition of 'Waters of the United States,'" 88 FR 3004 (January 18, 2023) ("2023 Rule"). On September 8, 2023, the agencies published the "Revised Definition of 'Waters of the United States'; Conforming", which amended the 2023 Rule to conform to the 2023 Supreme Court decision in *Sackett v. EPA*, 598 U.S., 143 S. Ct. 1322 (2023) ("*Sackett*").

This Memorandum for Record (MFR) constitutes the basis of jurisdiction for a Corps AJD as defined in 33 CFR §331.2. For the purposes of this AJD, we have relied on Section 10 of the Rivers and Harbors Act of 1899 (RHA),[5] the 2023 Rule as amended,

[1] While the Revised Definition of "Waters of the United States"; Conforming had no effect on some categories of waters covered under the CWA, and no effect on any waters covered under RHA, all categories are included in this Memorandum for Record for efficiency.
[2] When documenting aquatic resources within the review area that are jurisdictional under the Clean Water Act (CWA), use an additional MFR and group the aquatic resources on each MFR based on the TNW, the territorial seas, or interstate water that they are connected to. Be sure to provide an identifier to indicate when there are multiple MFRs associated with a single AJD request (i.e., number them 1, 2, 3, etc.).
[3] 33 CFR 331.2.
[4] Regulatory Guidance Letter 05-02.
[5] USACE has authority under both Section 9 and Section 10 of the Rivers and Harbors Act of 1899 but for convenience, in this MFR, jurisdiction under RHA will be referred to as Section 10.

as well as other applicable guidance, relevant case law, and longstanding practice in evaluating jurisdiction.

1. SUMMARY OF CONCLUSIONS.

   a. Provide a list of each individual feature within the review area and the jurisdictional status of each one (i.e., identify whether each feature is/is not a water of the United States and/or a navigable water of the United States).

i. Hudson River, jurisdictional, Section 10/404
ii. Wetland A/AAA, jurisdictional, Section 404
iii. Wetland AA, jurisdictional, Section 404
iv. Wetland B, jurisdictional, Section 404
v. Wetland C, non-jurisdictional
vi. Wetland D – Pond 13, non-jurisdictional
vii. Wetland E – Pond 10, non-jurisdictional
viii. Wetland F, non-jurisdictional
ix. Wetland G, non-jurisdictional
x. Wetland H, non-jurisdictional
xi. Wetland I, non-jurisdictional
xii. Wetland J, jurisdictional, Section 10/404
xiii. Wetland K/L – Pond 7, non-jurisdictional
xiv. Wetland O, non-jurisdictional
xv. Wetland P – Pond 3, non-jurisdictional
xvi. Wetland Q/R, non-jurisdictional
xvii. Wetland S/T, non-jurisdictional
xviii. Wetland U, non-jurisdictional
xix. Wetland V, non-jurisdictional
xx. Wetland W, jurisdictional, Section 404
xxi. Wetland X, non-jurisdictional
xxii. Wetland Y, jurisdictional, Section 10/404
xxiii. Wetland Z, non-jurisdictional
xxiv. Wetland AB, non-jurisdictional
xxv. Wetland AC – Pond 15, non-jurisdictional
xxvi. Wetland AG, non-jurisdictional
xxvii. Wetland AI – Pond 16, non-jurisdictional
xxviii. Wetland AK – Pond 11, non-jurisdictional
xxix. Wetland AL, non-jurisdictional
xxx. Wetland AM, non-jurisdictional
xxxi. Wetland AN, non-jurisdictional
xxxii. Wetland ZZ, non-jurisdictional
xxxiii. Pond 1, non-jurisdictional

xxxiv. Pond 2, non-jurisdictional
xxxv. Pond 4, non-jurisdictional
xxxvi. Pond 5, non-jurisdictional
xxxvii. Pond 6, non-jurisdictional
xxxviii. Stream 1, jurisdictional, Section 404
xxxix. Stream 2, jurisdictional, Section 404
xl. Stream 3, jurisdictional, Section 404
xli. Stream 4, non-jurisdictional
xlii. Stream 5, non-jurisdictional
xliii. Ephemeral Stream 1, non-jurisdictional

2. REFERENCES.

   a. "Revised Definition of 'Waters of the United States,'" 88 FR 3004 (January 18, 2023) ("2023 Rule")

   b. "Revised Definition of 'Waters of the United States'; Conforming" 88 FR 61964 (September 8, 2023))

3. REVIEW AREA. Review area size 453.232 acres, 41.944179, -73.971548, City of Kingston and Town of Ulster, Ulster County, New York.

4. NEAREST TRADITIONAL NAVIGABLE WATER (TNW), THE TERRITORIAL SEAS, OR INTERSTATE WATER TO WHICH THE AQUATIC RESOURCE IS CONNECTED. The Hudson River is located along the eastern portion of the project site.[6]

5. FLOWPATH FROM THE SUBJECT AQUATIC RESOURCES TO A TNW, THE TERRITORIAL SEAS, OR INTERSTATE WATER.
   Waters on site flow roughly east, towards the Hudson River. Most of the waters on site are the result of former mining activities. Jurisdictional waters on site flow directly to the Hudson River. Non-jurisdictional waters on site do not.

6. SECTION 10 JURISDICTIONAL WATERS[7]: Describe aquatic resources or other features within the review area determined to be jurisdictional in accordance with

[6] This MFR should not be used to complete a new stand-alone TNW determination. A stand-alone TNW determination for a water that is not subject to Section 9 or 10 of the Rivers and Harbors Act of 1899 (RHA) is completed independently of a request for an AJD. A stand-alone TNW determination is conducted for a specific segment of river or stream or other type of waterbody, such as a lake, where upstream or downstream limits or lake borders are established.
[7] 33 CFR 329.9(a) A waterbody which was navigable in its natural or improved state, or which was susceptible of reasonable improvement (as discussed in § 329.8(b) of this part) retains its character as

Section 10 of the Rivers and Harbors Act of 1899. Include the size of each aquatic resource or other feature within the review area and how it was determined to be jurisdictional in accordance with Section 10.[8]

- A portion of the Hudson River is located along the eastern portion of the project boundary. The Hudson River is considered to be navigable under Section 10 of the Rivers and Harbors Act of 1899, and is tidally influenced.
- Wetland J flows directly into the Hudson River and is tidally influenced.
- Wetland Y flows directly into the Hudson River and is tidally influenced.

7. SECTION 404 JURISDICTIONAL WATERS: Describe the aquatic resources within the review area that were found to meet the definition of waters of the United States in accordance with the 2023 Rule as amended, consistent with the Supreme Court's decision in *Sackett*. List each aquatic resource separately, by name, consistent with the naming convention used in section 1, above. Include a rationale for each aquatic resource, supporting that the aquatic resource meets the relevant category of "waters of the United States" in the 2023 Rule as amended. The rationale should also include a written description of, or reference to a map in the administrative record that shows, the lateral limits of jurisdiction for each aquatic resource, including how that limit was determined, and incorporate relevant references used. Include the size of each aquatic resource in acres or linear feet and attach and reference related figures as needed.

   a. Traditional Navigable Waters (TNWs) (a)(1)(i): The Hudson River is a tidally-influenced TNW.

   b. The Territorial Seas (a)(1)(ii): N/A

   c. Interstate Waters (a)(1)(iii): N/A

   d. Impoundments (a)(2): N/A

   e. Tributaries (a)(3): Streams 1 and 2 flow through Wetland A/AAA, off site, then directly into the Hudson River. Stream 3 flows through Wetland J, then directly into the Hudson River.

"navigable in law" even though it is not presently used for commerce, or is presently incapable of such use because of changed conditions or the presence of obstructions.

[8] This MFR is not to be used to make a report of findings to support a determination that the water is a navigable water of the United States. The district must follow the procedures outlined in 33 CFR part 329.14 to make a determination that water is a navigable water of the United States subject to Section 10 of the RHA.

f. Adjacent Wetlands (a)(4): Wetland A/AAA directly abuts Streams 1 and 2, as described above. Wetland AA flows directly into Wetland Y, which then flows directly into the Hudson River. Wetland B flows off site, into an unnamed tributary to the Hudson River. Wetlands J and Y directly abut the Hudson River. Wetland W flows off site, into an unnamed tributary to the Hudson River.

g. Additional Waters (a)(5): N/A

8. NON-JURISDICTIONAL AQUATIC RESOURCES AND FEATURES

a. Describe aquatic resources and other features within the review area identified in the 2023 Rule as amended as not "waters of the United States" even where they otherwise meet the terms of paragraphs (a)(2) through (5). Include the type of excluded aquatic resource or feature, the size of the aquatic resource or feature within the review area and describe how it was determined to meet one of the exclusions listed in 33 CFR 328.3(b).[9] N/A

b. Describe aquatic resources and features within the review area that were determined to be non-jurisdictional because they do not meet one or more categories of waters of the United States under the 2023 Rule as amended (e.g., tributaries that are non-relatively permanent waters; non-tidal wetlands that do not have a continuous surface connection to a jurisdictional water):

- Wetland C is located approximately 117 feet from and 8 feet higher in elevation than Wetland A/AAA, the nearest waters of the United States, with no apparent continuous surface connection.
- Wetland D – Pond 13 is located approximately 981 feet from and 96 feet higher in elevation than Wetland W, the nearest waters of the United States, with no apparent continuous surface connection.
- Wetland E – Pond 10 is located approximately 2,500 feet from and 170 feet higher in elevation than the Hudson River, the nearest waters of the United States, with no apparent continuous surface connection.
- Wetland F is located approximately 2,700 feet from and 175 feet higher in elevation than the Hudson River, the nearest waters of the United States, with no apparent continuous surface connection.
- Wetland G is located approximately 60 feet from and 6 feet higher in elevation than Stream 2, the nearest waters of the United States, with no apparent continuous surface connection.

[9] 88 FR 3004 (January 18, 2023)

- Wetlands H and I are located approximately 450 feet from and 35 feet higher in elevation than the Hudson River, the nearest waters of the United States, with no apparent continuous surface connection.
- Wetland K/L – Pond 7 is located approximately 78 feet from and 8 feet higher in elevation than the Hudson River, the nearest waters of the United States, with no apparent continuous surface connection.
- Wetland O is located approximately 765 feet from and 136 feet higher in elevation than the Hudson River, the nearest waters of the United States, with no apparent continuous surface connection.
- Wetland P – Pond 3 is located approximately 2,700 feet from and 160 feet higher in elevation than the Hudson River, the nearest waters of the United States, with no apparent continuous surface connection.
- Wetlands Q/R and S/T are located approximately 1,900 feet from and 70 feet higher in elevation than the Hudson River, the nearest waters of the United States, with no apparent continuous surface connection.
- Wetland U is located approximately 1,019 feet from and 124 feet higher in elevation than Stream 3, the nearest waters of the United States, with no apparent continuous surface connection.
- Wetland V is located approximately 860 feet from and 110 feet higher in elevation than Stream 3, the nearest waters of the United States, with no apparent continuous surface connection.
- Wetland X is located approximately 126 feet from and 10 feet higher in elevation than the Hudson River, the nearest waters of the United States, with no apparent continuous surface connection.
- Wetland Z is located approximately 78 feet from and 14 feet higher in elevation than the Hudson River, the nearest waters of the United States, with no apparent continuous surface connection.
- Wetland AB is located approximately 148 feet from and 18 feet higher in elevation than the Hudson River, the nearest waters of the United States, with no apparent continuous surface connection.
- Wetland AC – Pond 15 is located approximately 232 feet from and 14 feet higher in elevation than the Hudson River, the nearest waters of the United States, with no apparent continuous surface connection.
- Wetland AG is located approximately 198 feet from and 16 feet higher in elevation than Stream 2, the nearest waters of the United States, with no apparent continuous surface connection.
- Wetland AI – Pond 16 is located approximately 216 feet from and 2 feet higher in elevation than Stream 2, the nearest waters of the United States, with no apparent continuous surface connection.

- Wetland AK – Pond 11 is located approximately 754 feet from and 88 feet higher in elevation than Wetland W, the nearest waters of the United States, with no apparent continuous surface connection.
- Wetlands AL and AN are located approximately 200 feet from and 12 feet higher in elevation than the Hudson River, the nearest waters of the United States, with no apparent continuous surface connection.
- Wetland AM is located approximately 40 feet from and 12 feet higher in elevation than the Hudson River, the nearest waters of the United States, with no apparent continuous surface connection.
- Wetland ZZ is located approximately 1,194 feet from and 82 feet higher in elevation than the Hudson River, the nearest waters of the United States, with no apparent continuous surface connection.
- Pond 1 is located approximately 256 feet from and 20 feet higher in elevation than Wetland A/AAA, the nearest waters of the United States, with no apparent continuous surface connection.
- Pond 2 is located approximately 727 feet from and 38 feet higher in elevation than Wetland A/AAA, the nearest waters of the United States, with no apparent continuous surface connection.
- Pond 4 is located approximately 1,803 feet from and 42 feet higher in elevation than Wetland J, the nearest waters of the United States, with no apparent continuous surface connection.
- Pond 5 is located approximately 1,208 feet from and 28 feet higher in elevation than the Hudson River, the nearest waters of the United States, with no apparent continuous surface connection.
- Pond 6 is located approximately 747 feet from and 88 feet higher in elevation than the Hudson River, the nearest waters of the United States, with no apparent continuous surface connection.
- Stream 4 flows from Wetland E east, through Wetlands Q/R and S/T, ending before Pond 5. The eastern-most portion of Stream 4 is located approximately 1,800 feet from and 42 feet higher in elevation than the Hudson River, the nearest waters of the United States, with no apparent continuous surface connection.
- Stream 5 flows into the upper part of Wetland K/L and is located approximately 250 feet from and 15 feet higher in elevation than the Hudson River, the nearest waters of the United States, with no apparent continuous surface connection.
- In direction of flow, Ephemeral Stream 1 terminates approximately 250 feet from and 14 higher in elevation than the Hudson River, the nearest waters of the United States, with no apparent continuous surface connection.

9. DATA SOURCES. List sources of data/information used in making determination. Include titles and dates of sources used and ensure that information referenced is available in the administrative record.

    a. Site visit conducted on July 9, 2024.

    b. “Wetland Delineation Report for Hudson Cliffs/Quarry Waters Project Route 32 & North Street Town of Ulster and City of Kingston Ulster County, New York”, prepared by The Chazen Companies, dated January 26, 2021, and last revised March 21, 2024, including wetland data sheets, color, ground-level photographs and aerial photographs.

    c. USDA Web Soil Survey as part of Wetland Delineation Report dated January 26, 2021, and last revised March 21, 2024.

    d. USGS Kingston East, NY topographic map.

10. OTHER SUPPORTING INFORMATION. N/A

11. NOTE: The structure and format of this MFR were developed in coordination with the EPA and Department of the Army. The MFR’s structure and format may be subject to future modification or may be rescinded as needed to implement additional guidance from the agencies; however, the approved jurisdictional determination described herein is a final agency action.

Drawing Name: B:\GLOBAL\Legacy\Chazen\Projects\31900-31999\31907.xx_Parks D005476\31907.25 CONFIDENTIALQuarryWatersWLDELIN_PAL-004\svy\dwg\05_SVY-WETLAND-31907-25.dwg
Xref's Attached: X-WETLAND-31907-25, X-TOPO-31907-25-GIS-2
Date Printed: Oct 03, 2024, 3:15pm

AQUATIC RESOURCES IN APPROVED JURISDICTIONAL DETERMINATION (AJD) AREA:

AQUATIC RESOURCES IN APPROVED JURISDICTIONAL DETERMINATION (AJD) AREA

Resource ID	SIZE ON SITE	Centroid		Regulated by	
	Area - Acres	Latitude	Longitude	USACE	NYSDEC
Hudson River	57.61	41.940441	-73.965501	YES (10/404)	YES (Art. 15)
Wetland A/AAA	16.91	41.946861	-73.979778	YES	YES (Art. 24)
NYSDEC Adjacent Area Wetland A/AAA	15.01			NO	YES (Art. 24)
Wetland AA	1.17	41.939611	-73.969194	YES (404)	NO
Wetland B - Pond 12	0.68	41.951278	-73.977417	YES (404)	NO
Wetland C	1.15	41.948583	-73.976417	NO	NO
Wetland D - POND 13	0.13	41.934306	-73.973528	NO	NO
Wetland E - Pond 10	1.21	41.945833	-73.971833	NO	YES (Art. 15)
Wetland F	1.76	41.947111	-73.972778	NO	NO
Wetland G	1.53	41.945111	-73.975667	NO	NO
Wetland H	1.29	41.948917	-73.981861	NO	NO
Wetland I	0.48	41.948333	-73.981611	NO	NO
Wetland J	0.24	41.951056	-73.963583	YES (404)	NO
Wetland K/L - Pond 7	2.08	41.942139	-73.967417	NO	NO
Wetland O	0.16	41.940111	-73.9715	NO	NO
Wetland P - Pond 3	0.92	41.948417	-73.972833	NO	YES (Art. 15)
Wetland Q/R	0.05	41.945528	-73.972028	NO	NO
Wetland S/T	0.37	41.945056	-73.971833	NO	NO
Wetland U	0.27	41.952056	-73.968083	NO	NO
Wetland V	0.07	41.950778	-73.967167	NO	NO
Wetland W	0.35	41.936306	-73.968722	YES (404)	NO
Wetland X	0.12	41.937139	-73.969	NO	NO
Wetland Y	0.13	41.940278	-73.968194	YES (404)	NO
Wetland Z	0.12	41.942972	-73.971833	NO	NO
Wetland AB	0.05	41.944278	-73.965444	NO	NO
Wetland AC - Pond 15	0.05	41.943194	-73.966167	NO	NO
Wetland AG	0.06	41.944444	-73.974444	NO	NO
Wetland AI - Pond 16	0.02	41.944139	-73.977	NO	NO
Wetland AK - Pond 11	0.04	41.934139	-73.971833	NO	NO
Wetland AL	0.09	41.9475	-73.974444	NO	NO
Wetland AM	0.05	41.949222	-73.963028	NO	NO
Wetland AN	0.01	41.948028	-73.964167	NO	NO
Wetland ZZ	0.09	41.949722	-73.967472	NO	NO
Pond 1	5.53	41.946472	-73.976611	NO	YES (Art. 15)
Pond 2	1.02	41.947111	-73.975139	NO	YES (Art. 15)
Pond 4	2.28	41.948472	-73.970694	NO	YES (Art. 15)
Pond 5	6.15	41.944028	-73.970194	NO	YES (Art. 15)
Pond 6	0.24	41.944333	-73.967694	NO	YES (Art. 15)
	Length (Feet)				
Perennial Stream 1 (Str1)	753	Starting Centroid		YES (404)	NO
		41.943806	-73.982056		
		Ending Centroid			
		41.945194	-73.980556		
Perennial Stream 2 (Str2)	313	Starting Centroid		YES (404)	NO
		41.944944	-74.212639		
		Ending Centroid			
		41.944528	-73.976861		
Perennial Stream 3 (Str3)	729	Starting Centroid		YES (404)	YES (Art. 15)
		41.9525	-73.964333		
		Ending Centroid			
		41.950917	-73.963194		
Perennial Stream 4 (Str4)	671	Starting Centroid		NO	NO
		41.945972	-73.97275		
		Ending Centroid			
		41.944861	-73.971333		
Perennial Stream 5 (Str5)	235	Starting Centroid		NO	NO
		41.942139	-73.968889		
		Ending Centroid			
		41.942389	-73.968167		
Ephemeral Stream 1 (Eph 1)	335	Starting Centroid		NO	NO
		41.936639	-73.969167		
		Ending Centroid			
		41.936222	-73.970083		

The following wetlands are outside of the AJD Area, and so not on AJD Table:
Wetland M, Wetland N, Wetland AD/Pond 8 and Wetland AH/Pond 9.

PROPERTY AREA = 507.923 ACRES
+ 1.139 ACRES (PARCEL WEST OF N.Y.S. ROUTE 32)
+ 11.920 ACRES (NEW LOT PURCHASE)
− 0.517 ACRE (TOWN OF ULSTER WATER TANK)
TOTAL PROPERTY AREA= 520.465 ACRES TOTAL
AS PER MAP REFERENCE NO.1

PROPERTY AREA: 520.465 ACRES
PROJECT BOUNDARY/AJD AREA: 453.232 ACRES
PROPERTY AREA NOT IN PROJECT BOUNDARY/AJD AREA: 67.233 ACRES
- WD1 AREA 1: 15.055 ACRES
- WD1 AREA 2: 4.425 ACRES
- WD4 SHEET: 47.753 ACRES

LEGEND:

EXISTING CONDITIONS:

- PROPERTY LINE NO PHYSICAL BOUNDS
- INTERIOR TAX PARCEL LINE
- ADJACENT PROPERTY LINE
- EXISTING MAJOR CONTOUR (110)
- EXISTING MINOR CONTOUR
- NYSDEC WETLANDS LINE
- NYSDEC ADJACENT AREA
- ACOE WETLANDS LINE
- TOP OF BANK REGULATED BY NYSDEC
- EXISTING STREAM
- EXISTING POND/LAKE
- EXISTING UNDERGROUND STORM LINE (15"RCP, ST)
- EXISTING WETLAND BOUNDARY FLAG (F5)

PROPERTY LINE NOTE:

PROJECT BOUNDARY LINES SHOWN ON THIS AQUATIC RESOURCES MAP ARE APPROXIMATE ARE PER MAP REFERENCE NO.1, AND HAVE NOT BEEN FIELD VERIFIED. SEE MAP REFERENCE NO. 1 FOR ADDITIONAL BOUNDARY INFORMATION.

NOTES:

UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY MAP BEARING A LICENSED LAND SURVEYOR'S SEAL IS A VIOLATION OF SECTION 7209, SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

LOCATION OF EXISTING PROPERTY MARKERS NOT SHOWN OR CERTIFIED BY THIS SURVEY.

EDGES OF INTERNAL ROADS, PONDS 1,2,4,5,6, THE EDGE OF WATER OF THE HUDSON RIVER, HIGH WATER LINE ARE PER MAP REFERENCE 2.

NORTH ORIENTATION IS NEW YORK EAST ZONE PER MAP REFERENCE NO.1

VERTICAL RELIEF: 2' CONTOURS SHOWN HERE ON ARE EXTRAPOLATED FROM USGS 2 METER DEM, RESAMPLED USING 5X5 FOCAL STATISTICS (AVERAGE VALUE OF SURROUNDING CELLS) FOR SMOOTHNESS. NAVD88 DATUM AND HAS NOT BEEN GROUND VERIFIED.

TIDAL DATUM NOTE:

THE US ARMY CORPS OF ENGINEERS REGULATES TO THE MEAN HIGHER HIGH WATER (MHHW) UNDER SECTION 404 OF THE CLEAN WATER ACT.
THE US ARMY CORPS OF ENGINEERS REGULATES TO THE MEAN HIGH WATER (MHW) UNDER SECTION 10 OF THE RIVERS AND HARBORS ACT.

TO IDENTIFY MHHW AND MHW ELEVATIONS AT THIS LOCATION, INTERPOLATIONS WERE PERFORMED BETWEEN HYDE PARK TIDAL STATION 8518951, TURKEY POINT TIDAL STATION 8518962 AND ALBANY TIDAL STATION 8518995. LOCATIONS AND DISTANCES BETWEEN STATION WERE GENERATED BASED UPON LATITUDE AND LONGITUDE PROVIDED ON THE NOAA BENCHMARK SHEETS. DATUM IS BASED UPON NAVD88 DATUM AT 0' (PROVIDED ON NOAA DATA SHEETS). TURKEY POINT DID NOT HAVE A NAVD88 RELATION SO NAVD88 DATA AT THIS LOCATION WAS CALCULATED.

BASED UPON THE INTERPOLATIONS, WE FIND THE MHHW AT THE SHOWN LOCATION AT SOJOURNER TRUTH STATE PARK TO BE:
USING HYDE PARK TO TURKEY POINT THE INTERPOLATED ELEVATION IS 2.45' NAVD88,
USING HYDE PARK TO ALBANY THE INTERPOLATED ELEVATION IS 2.69' NAVD88.

BASED UPON THESE INTERPOLATIONS, WE FIND THE MHW AT THE SHOWN LOCATION AT SOJOURNER TRUTH STATE PARK TO BE:
USING HYDE PARK TO TURKEY POINT THE INTERPOLATED ELEVATION IS 2.10' NAVD88
USING HYDE PARK TO ALBANY THE INTERPOLATED ELEVATION IS 2.27' NAVD88

TIDAL CHARTS FOR KINGSTON, HUDSON RIVER WERE UTILIZED FOR HIGH TIDE AND LOW TIDE TIMES. DATA WAS COLLECTED AT THESE TIMES AT TWO LOCATIONS ON THE FOLLOWING DATES:
AUGUST 31, 2023 HIGH WATER LOCATION "A" AT 2:22PM: 2.90' NAVD88
SEPTEMBER 07, 2023 HIGH WATER LOCATION "A" AT 8:19AM: 2.07' NAVD88
SEPTEMBER 10, 2023 HIGH WATER LOCATION "A" AT 11:24AM: 1.84' NAVD88

MEAN AVERAGE AT LOCATION "A": 2.27' NAVD88 (SAME AS HYDE PARK TO ALBANY INTERPOLATION)

AUGUST 31, 2023 HIGH WATER LOCATION "B" AT 2:22PM: 2.69' NAVD88
SEPTEMBER 07, 2023 HIGH WATER LOCATION "B" AT 8:13AM: 2.08' NAVD88
SEPTEMBER 10, 2023 HIGH WATER LOCATION "B" AT 11:16AM: 1.82' NAVD88

MEAN AVERAGE AT LOCATION "B": 2.20' NAVD88

BASED ON THE INTERPOLATION ABOVE, THE FOLLOWING TIDAL DATUM ARE IDENTIFIED
MHW: 2.27' NAVD88
MHHW: 2.69' NAVD88

NOAA TIDES & CURRENTS DATASHEETS CAN BE FOUND AT THE FOLLOWING WEBSITE:
https://tidesandcurrents.noaa.gov

WETLANDS NOTE:

WETLANDS SHOWN HEREON AS PER FIELD DELINEATION COMPLETED IN MAY OF 2020 BY CHAZEN ENGINEERING, LAND SURVEYING, LANDSCAPE ARCHITECTURE & GEOLOGY CO., D.P.C AND SURVEY LOCATION COMPLETED BY THIS OFFICE IN MAY OF 2020.

UPDATED WETLAND FLAGGING AND LOCATION OF A PORTION OF 'WETLAND E – POND 10' PER FIELD DELINEATION COMPLETED JANUARY 31, 2024 AND SURVEY LOCATION COMPLETED FEBRUARY 5, 2024 BY LABELLA ASSOCIATES.

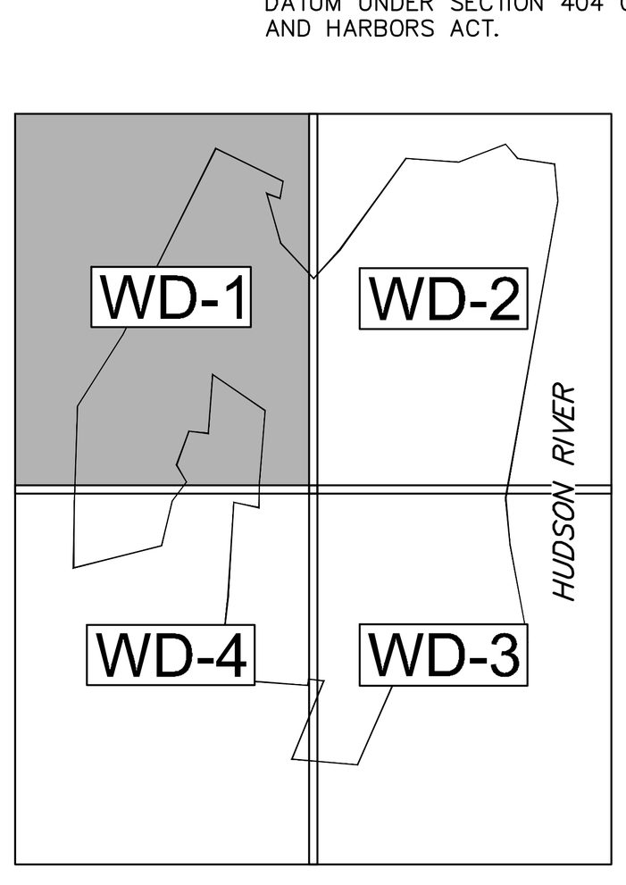
WETLANDS IN NON–JD AREAS SHOULD BE CONSIDERED JURISDICTIONAL BY USACE UNDER SECTION 404 OF CLEAN WATER ACT AS THEY WERE NOT REVIEWED AS PART OF THE AJD REVIEW OF JULY 2024. ADDITIONAL REVIEW REQUIRED TO OBTAIN FEDERAL NON–JURISDICTIONAL DETERMINATION.

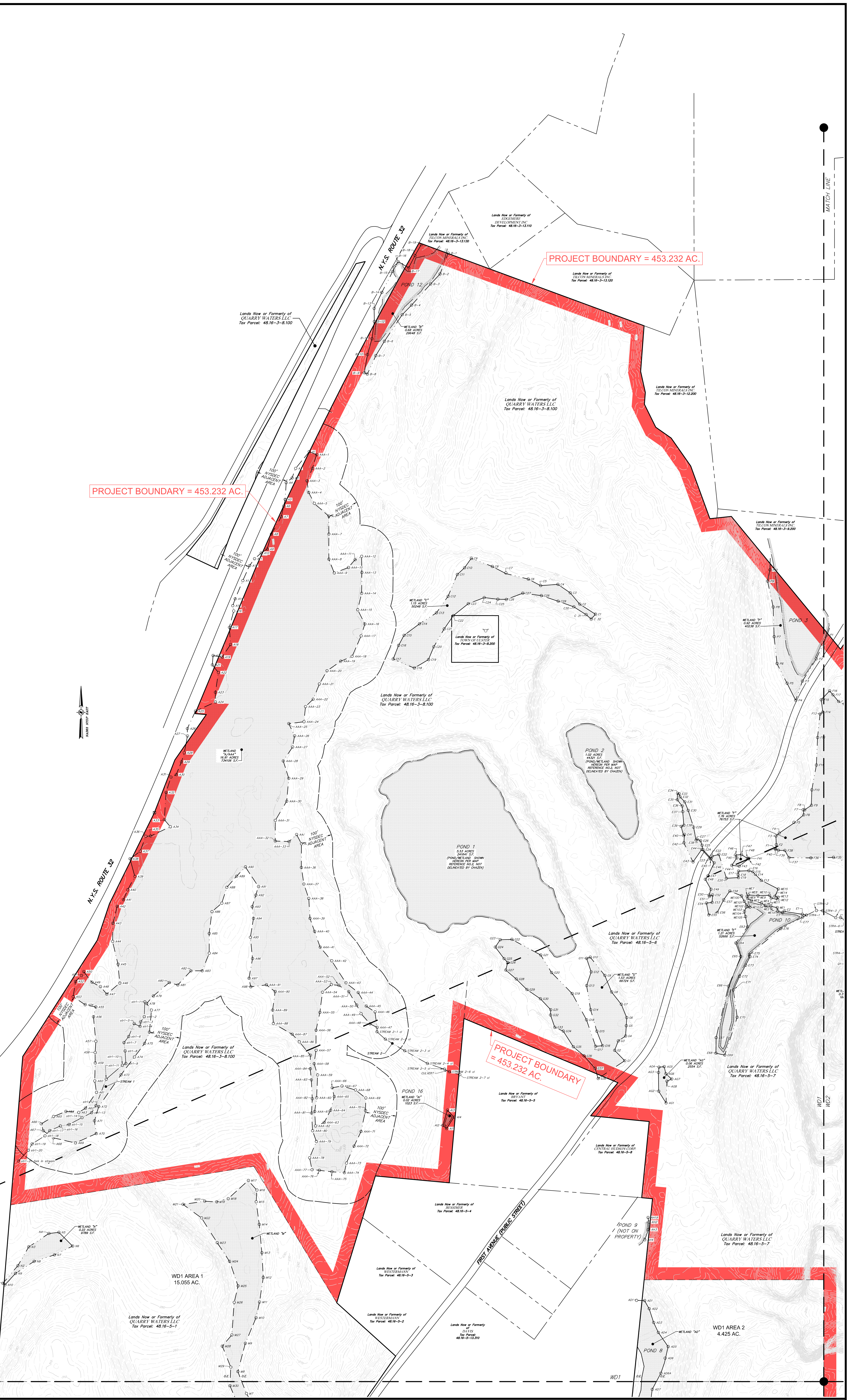
AGENCY SITE INSPECTIONS:

1. PAIGE LEWANDOWSKI OF NYSDEC ON 12/5/2023.
2. BRIAN ORZEL OF USACE ON 7/9/2024.

MAP REFERENCE:

1. REFERENCE IS HEREBY MADE TO A CERTAIN MAP ENTITLED "MAP OF LANDS TO BE CONVEYED TO THE SCENIC HUDSON LAND TRUST, INC" DATED APRIL 9, 2019. LAST REVISED SEPTEMBER 26, 2019. MADE BY BRINNIER AND LARIOS P.C.
2. REFERENCE IS HEREBY MADE TO A CERTAIN MAP ENTITLED "TOPOGRAPHIC AND ON–SITEWATER RESOURCES MAP OF LANDS TO BE CONVEYED TO THE SCENIC HUDSON LAND TRUST, INC" DATED APRIL 9, 2019. MADE BY BRINNIER AND LARIOS P.C. IT IS NOTED THAT THE BRINNIER AND LARIOS MAPPING SHOWED A HIGH WATER MARK ALONG THE HUDSON RIVER. THAT REPRESENTATION HAS BEEN REMOVED FROM THIS MAP AS A "HIGH WATER MARK" DOES NOT NECESSARILY RELATE TO FEDERALLY REGULATED TIDAL DATUM UNDER SECTION 404 OF THE CLEAN WATER ACT OR SECTION 10 OF THE RIVERS AND HARBORS ACT.





drawn	checked
AJF	JMT
date	scale
8/7/20	1"=100
project no.	
31907.25	
sheet no.	
WD1 1 OF 4	

HUDSON CLIFFS - QUARRY WATERS

MAP OF AQUATIC RESOURCES PREPARED FOR SCENIC HUDSON LAND TRUST INC.

C/O KINGSTON & T/O ULSTER, ULSTER COUNTY, NEW YORK

rev.	date	description
7	10/03/24	ADDRESS COMMENTS FROM ARMY CORPS
6	08/08/24	JURISDICTIONAL DETERMINATION REVISIONS
5	03/21/24	AQUATIC RESOURCES TABLE REVISIONS
4	02/20/24	REVISE WETLAND 'E' FIGURE
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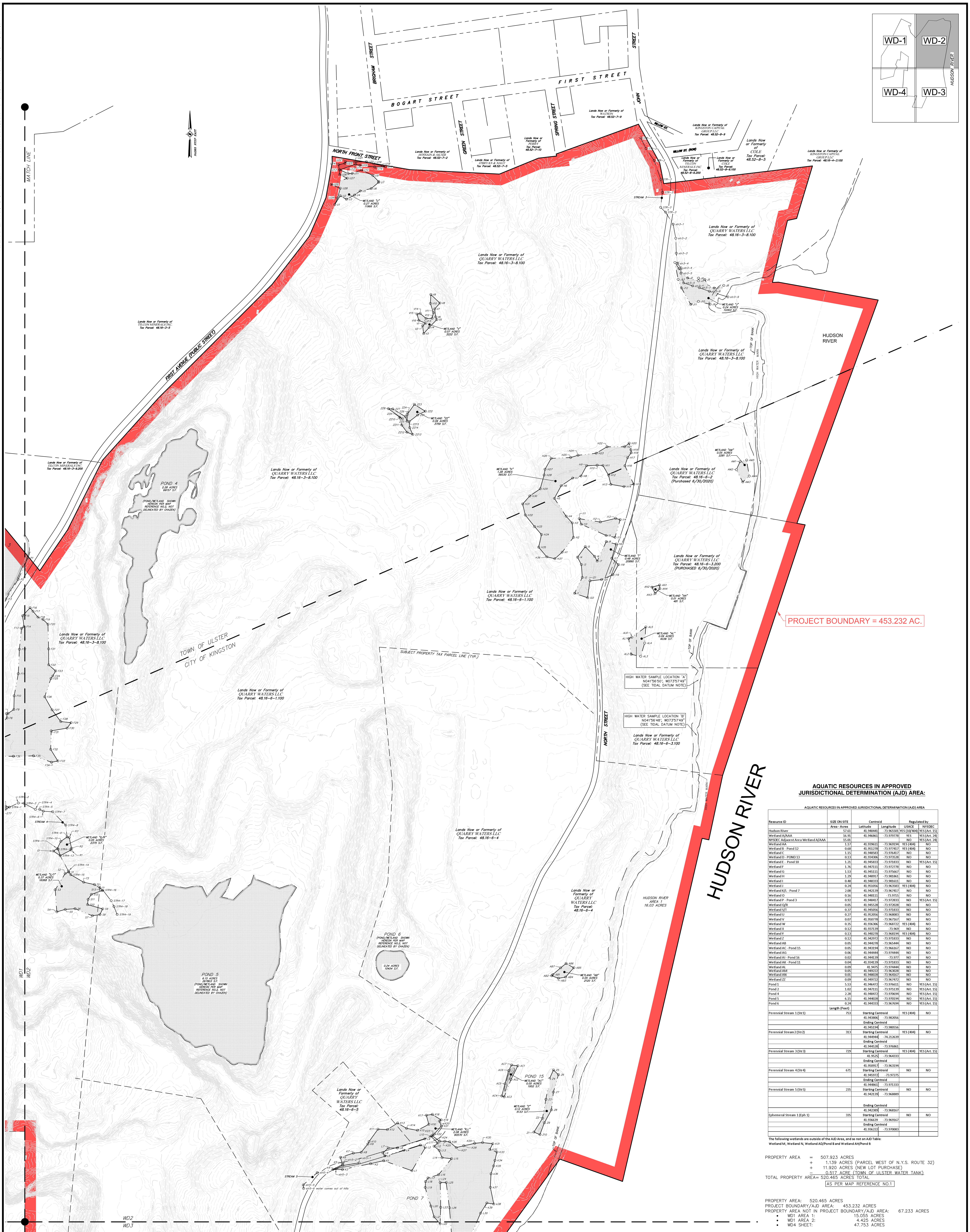
DAVID H. DIPPEL, L.S. #050677



MATCH LINE
NADB3 NYSP EAST
BRIGHAM STREET
BOGART STREET
FIRST STREET
JOHN STREET
GREEN STREET
SPRING STREET
NORTH FRONT STREET
WILLOW ST.
WILLOW ST. (ROW)
Lands Now or Formerly of HOSSAIN & AKTER Tax Parcel: 48.52-7-2
Lands Now or Formerly of O'BRYAN & NAGY Tax Parcel: 48.52-7-5
Lands Now or Formerly of PERRY Tax Parcel: 48.52-7-10
Lands Now or Formerly of WATSON Tax Parcel: 48.52-7-9
Lands Now or Formerly of KINGSTON CAPITAL GROUP LLC Tax Parcel: 48.52-8-9
Lands Now or Formerly of TILCON MINERALS INC Tax Parcel: 48.52-8-6.200
Lands Now or Formerly of COLE Tax Parcel: 48.52-8-6.100
Lands Now or Formerly of COLE Tax Parcel: 48.52-8-5
Lands Now or Formerly of KINGSTON CAPITAL GROUP LLC Tax Parcel: 48.16-4-3.100
Lands Now or Formerly of TILCON MINERALS INC. Tax Parcel: 48.16-3-5
Lands Now or Formerly of TILCON MINERALS INC. Tax Parcel: 48.16-3-9.200
FIRST AVENUE (PUBLIC STREET)
WETLAND "U" 0.27 ACRES 11966 S.F.
WETLAND "V" 0.07 ACRES 3222 S.F.
WETLAND "ZZ" 0.09 ACRES 3759 S.F.
Lands Now or Formerly of QUARRY WATERS LLC Tax Parcel: 48.16-3-8.100
STREAM 3
WETLAND "J" 0.24 ACRES 10303 S.F.
HUDSON RIVER
TOP OF BANK
HIGH WATER MARK
POND 4 2.28 ACRES 99157 S.F. (POND/WETLAND SHOWN HEREON PER MAP REFERENCE NO.2, NOT DELINEATED BY CHAZEN)
WETLAND "H" 1.28 ACRES 56030 S.F.
WETLAND "AM" 0.05 ACRES 2281 S.F.
Lands Now or Formerly of QUARRY WATERS LLC Tax Parcel: 48.16-6-2 (Purchased 6/30/2020)
WETLAND "I" 0.48 ACRES 20890 S.F.
Lands Now or Formerly of QUARRY WATERS LLC Tax Parcel: 48.16-6-3.200 (PURCHASED 6/30/2020)
WETLAND "AN" 0.01 ACRES 481 S.F.
PROJECT BOUNDARY = 453.232 AC.
WETLAND "AL" 0.09 ACRES 4036 S.F.
TOWN OF ULSTER
CITY OF KINGSTON
SUBJECT PROPERTY TAX PARCEL LINE (TYP.)
Lands Now or Formerly of QUARRY WATERS LLC Tax Parcel: 48.16-6-1.100
HIGH WATER SAMPLE LOCATION 'A' N041°56'50", W073°57'49" (SEE TIDAL DATUM NOTE)
HIGH WATER SAMPLE LOCATION 'B' N041°56'48", W073°57'49" (SEE TIDAL DATUM NOTE)
NORTH STREET
Lands Now or Formerly of QUARRY WATERS LLC Tax Parcel: 48.16-6-3.100
STREAM 4
WETLAND "Q/R" 0.05 ACRES 2375 S.F.
WETLAND "S/T" 0.37 ACRES 16068 S.F.
Lands Now or Formerly of QUARRY WATERS LLC Tax Parcel: 48.16-6-4
HUDSON RIVER AREA 1 16.03 ACRES
POND 5 6.15 ACRES 267803 S.F. (POND/WETLAND SHOWN HEREON PER MAP REFERENCE NO.2, NOT DELINEATED BY CHAZEN)
POND 6 (POND/WETLAND SHOWN HEREON PER MAP REFERENCE NO.2, NOT DELINEATED BY CHAZEN) 0.24 ACRES 10454 S.F.
WETLAND "AB" 0.05 ACRES 2120 S.F.
POND 15
WETLAND "AC" 0.05 ACRES 1952 S.F.
WETLAND "Z" 0.12 ACRES 5133 S.F.
Lands Now or Formerly of QUARRY WATERS LLC Tax Parcel: 48.16-6-5
WETLAND "K,L" 2.08 ACRES 90570 S.F.
STREAM 5
str5-6 water comes out of hills
POND 7
WD1
WD2
WD3
WD-1
WD-2
WD-3
WD-4

AQUATIC RESOURCES IN APPROVED JURISDICTIONAL DETERMINATION (AJD) AREA:

AQUATIC RESOURCES IN APPROVED JURISDICTIONAL DETERMINATION (AJD) AREA

Resource ID	SIZE ON SITE	Centroid		Regulated by	
	Area - Acres	Latitude	Longitude	USACE	NYSDEC
Hudson River	57.61	41.940441	-73.965501	YES (10/404)	YES (Art. 15)
Wetland A/AAA	16.91	41.946861	-73.979778	YES	YES (Art. 24)
NYSDEC Adjacent Area Wetland A/AAA	15.01			NO	YES (Art. 24)
Wetland AA	1.17	41.939611	-73.969194	YES (404)	NO
Wetland B - Pond 12	0.68	41.951278	-73.977417	YES (404)	NO
Wetland C	1.15	41.948583	-73.976417	NO	NO
Wetland D - POND 13	0.13	41.934306	-73.973528	NO	NO
Wetland E - Pond 10	1.21	41.945833	-73.971833	NO	YES (Art. 15)
Wetland F	1.76	41.947111	-73.972778	NO	NO
Wetland G	1.53	41.945111	-73.975667	NO	NO
Wetland H	1.29	41.948917	-73.981861	NO	NO
Wetland I	0.48	41.948333	-73.981611	NO	NO
Wetland J	0.24	41.951056	-73.963583	YES (404)	NO
Wetland K/L - Pond 7	2.08	41.942139	-73.967417	NO	NO
Wetland O	0.16	41.940111	-73.9715	NO	NO
Wetland P - Pond 3	0.92	41.948417	-73.972833	NO	YES (Art. 15)
Wetland Q/R	0.05	41.945528	-73.972028	NO	NO
Wetland S/T	0.37	41.945056	-73.971833	NO	NO
Wetland U	0.27	41.952056	-73.968083	NO	NO
Wetland V	0.07	41.950778	-73.967167	NO	NO
Wetland W	0.35	41.936306	-73.968722	YES (404)	NO
Wetland X	0.12	41.937139	-73.969	NO	NO
Wetland Y	0.13	41.940278	-73.968194	YES (404)	NO
Wetland Z	0.12	41.942972	-73.971833	NO	NO
Wetland AB	0.05	41.944278	-73.965444	NO	NO
Wetland AC - Pond 15	0.05	41.943194	-73.966167	NO	NO
Wetland AG	0.06	41.944444	-73.974444	NO	NO
Wetland AI - Pond 16	0.02	41.944139	-73.977	NO	NO
Wetland AK - Pond 11	0.04	41.934139	-73.971833	NO	NO
Wetland AL	0.09	41.9475	-73.974444	NO	NO
Wetland AM	0.05	41.949222	-73.963028	NO	NO
Wetland AN	0.01	41.948028	-73.964167	NO	NO
Wetland ZZ	0.09	41.949722	-73.967472	NO	NO
Pond 1	5.53	41.946472	-73.976611	NO	YES (Art. 15)
Pond 2	1.02	41.947111	-73.975139	NO	YES (Art. 15)
Pond 4	2.28	41.948472	-73.970694	NO	YES (Art. 15)
Pond 5	6.15	41.944028	-73.970194	NO	YES (Art. 15)
Pond 6	0.24	41.944333	-73.967694	NO	YES (Art. 15)
	Length (Feet)				
Perennial Stream 1 (Str1)	753	Starting Centroid		YES (404)	NO
		41.943806	-73.982056		
		Ending Centroid			
		41.945194	-73.980556		
Perennial Stream 2 (Str2)	313	Starting Centroid		YES (404)	NO
		41.944944	-74.212639		
		Ending Centroid			
		41.944528	-73.976861		
Perennial Stream 3 (Str3)	729	Starting Centroid		YES (404)	YES (Art. 15)
		41.9525	-73.964333		
		Ending Centroid			
		41.950917	-73.963194		
Perennial Stream 4 (Str4)	671	Starting Centroid		NO	NO
		41.945972	-73.97275		
		Ending Centroid			
		41.944861	-73.971333		
Perennial Stream 5 (Str5)	235	Starting Centroid		NO	NO
		41.942139	-73.968889		
		Ending Centroid			
		41.942389	-73.968167		
Ephemeral Stream 1 (Eph 1)	335	Starting Centroid		NO	NO
		41.936639	-73.969167		
		Ending Centroid			
		41.936222	-73.970083		

The following wetlands are outside of the AJD Area, and so not on AJD Table: Wetland M, Wetland N, Wetland AD/Pond 8 and Wetland AH/Pond 9.

PROPERTY AREA = 507.923 ACRES
\+ 1.139 ACRES (PARCEL WEST OF N.Y.S. ROUTE 32)
\+ 11.920 ACRES (NEW LOT PURCHASE)
\- 0.517 ACRE (TOWN OF ULSTER WATER TANK)
TOTAL PROPERTY AREA= 520.465 ACRES TOTAL
AS PER MAP REFERENCE NO.1

PROPERTY AREA: 520.465 ACRES
PROJECT BOUNDARY/AJD AREA: 453.232 ACRES
PROPERTY AREA NOT IN PROJECT BOUNDARY/AJD AREA: 67.233 ACRES

- WD1 AREA 1: 15.055 ACRES
- WD1 AREA 2: 4.425 ACRES
- WD4 SHEET: 47.753 ACRES

drawn AJF | checked JMT | date 8/7/20 | scale 1"=100 | project no. 31907.25 | sheet no. WD2 2 OF 4

HUDSON CLIFFS - QUARRY WATERS

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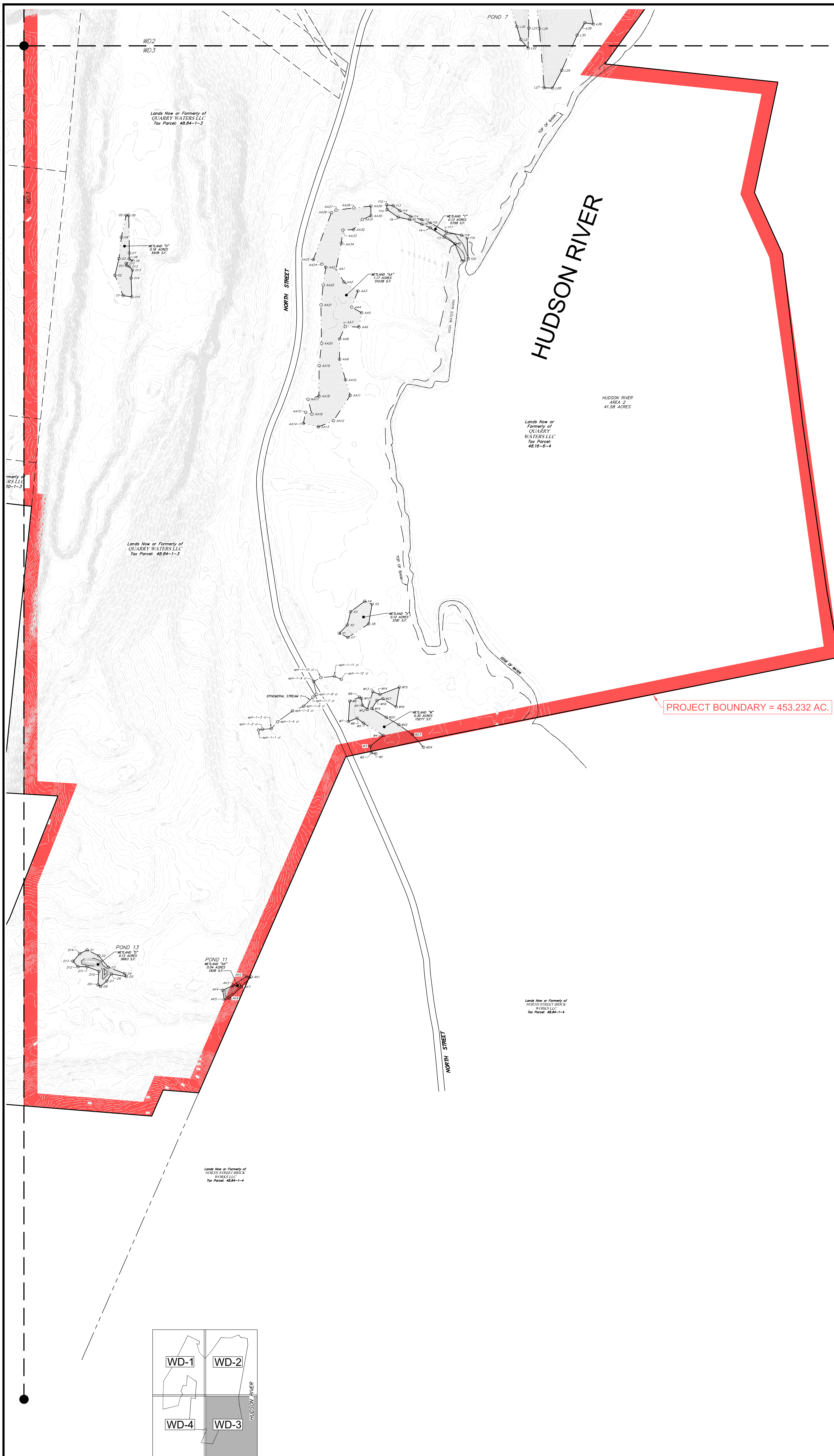
New York City, NY

DAVID H. DIPPEL, L.S. #050677

Drawing Name: B:\GLOBAL\Legacy\Chazen\Projects\31900-31999\31907.xx_Parks D0005476\31907.25 CONFIDENTIAL\QuarryWaters\WLDELIN_PAL-004\svy\dwg\05_SVY-WETLAND-31907-25.dwg
Xref's Attached: X-WETLAND-31907-25; X-TOPO-31907-25-GIS-2
Date Printed: Oct 03, 2024, 3:17pm



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Wetland C	1.15	41.948583	-73.976417	NO	NO
Wetland D - POND 13	0.13	41.934306	-73.973528	NO	NO
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Wetland F	1.76	41.947111	-73.972778	NO	NO
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Wetland H	1.29	41.948917	-73.981861	NO	NO
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Wetland O	0.16	41.940111	-73.9715	NO	NO
Wetland P - Pond 3	0.92	41.948417	-73.972833	NO	YES (Art. 15)
Wetland Q/R	0.05	41.945528	-73.972028	NO	NO
Wetland S/T	0.37	41.945056	-73.971833	NO	NO
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		Ending Centroid			
		41.950917	-73.963194		
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		41.945972	-73.97275		
		Ending Centroid			
		41.944861	-73.971333		
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drawn AJF | checked JMT | date 8/7/20 | scale 1"=100 | project no. 31907.25 | sheet no. WD3 3 OF 4

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- Poughkeepsie, NY
- White Plains, NY
- New York City, NY

DAVID H. DIPPEL, L.S. #050677


FRANK KOENIG BOULEVARD. N.Y.S. ROUTE 9W
NAD83 NYSP EAST
WD1
WD3
HUDSON RIVER
POND 14
WETLAND "M"
WETLAND "AJ"
0.17 ACRES
7399 S.F.
WETLAND "M"
0.06 ACRES
2812 S.F.
STREAM 6
POND 8
WETLAND "AD"
Lands Now or Formerly of
QUARRY WATERS LLC
Tax Parcel: 48.16-5-1
Lands Now or Formerly of
BOWEN
Tax Parcel: 48.75-3-1
Lands Now or Formerly of
NICHOLAS ARGULEWICZ
TRUSTEE
Tax Parcel: 48.75-3-2.210
FIRST AVENUE (PUBLIC STREET)
Lands Now or Formerly of
SCHULLSTROM
Tax Parcel: 48.16-5-14.100
Lands Now or Formerly of
BEESMER
Tax Parcel
48.75-3-15
Lands Now or Formerly of
VAUGHN
Tax Parcel: 48.16-5-16
Lands Now or Formerly of
COMMUNITY
REDEVELOPMENT
ENTERPRISES
Tax Parcel: 48.16-5-17
Lands Now or Formerly of
WEBB
Tax Parcel:
48.16-5-13.118
Lands Now or Formerly of
KRATT
Tax Parcel:
48.16-5-13.119
Lands Now or Formerly of
CONLEY
Tax Parcel:
48.16-5-13.200
Lands Now or Formerly of
EXSTRAND
Tax Parcel: 48.16-5-18
Lands Now or Formerly of
LABOLLITA
Tax Parcel:
48.16-5-13.120
Lands Now or Formerly of
SANTOS
Tax Parcel:
48.16-5-13.320
Lands Now or Formerly of
JULIE A GREGA &
JENNIFER M VOGHT
TRUSTEE
Tax Parcel: 48.75-3-4
Lands Now or Formerly of
FLYNN
Tax Parcel:
48.20-1-5
Lands Now or Formerly of
QUARRY WATERS LLC
Tax Parcel: 48.16-5-7
Lands Now or Formerly of
QUARRY WATERS LLC
Tax Parcel: 48.20-1-1
Lands Now or Formerly of
QUARRY WATERS LLC
Tax Parcel: 48.20-1-2
WETLAND "AE"
0.26 ACRES
11537 S.F.
Lands Now or Formerly of
QUARRY WATERS LLC
Tax Parcel: 48.20-1-3
Lands Now or Formerly of
RUTH H.
DECICCO
Tax Parcel:
48.75-4-8
KINGSTON STREET
Lands Now or Formerly of
KAHLSTORF
Tax Parcel: 48.75-4-9 &
48.75-4-10
Lands Now or Formerly of
EIGO
REVOCABLE
TRUST
Tax Parcel:
48.75-4-11.100
Lands Now or Formerly of
EIGO
REVOCABLE
TRUST
Tax Parcel:
48.75-4-11.200
FOURTH AVE.
Lands Now or Formerly of
EIGO
REVOCABLE
TRUST
Tax Parcel:
48.75-4-12
Lands Now or Formerly of
SCHIAFO
Tax Parcel:
48.75-4-13
Lands Now or Formerly of
ZIPP
Tax Parcel:
48.75-4-14
ULSTER STREET
WETLAND "AF"
0.40 ACRES
17256 S.F.
Lands Now or Formerly of
QUARRY
WATERS LLC
Tax Parcel:
48.84-1-1
Lands Now or Formerly of
CENTRAL
HUDSON
CORP.
Tax Parcel:
48.83-6-1
Lands Now or Formerly of
CITY OF KINGSTON
Tax Parcel: 48.83-6-1
Lands Now or Formerly of
KINGSTON LOCAL
DEVELOPMENT CORP.
Tax Parcel: 48.84-1-5.110

AQUATIC RESOURCES IN APPROVED JURISDICTIONAL DETERMINATION (AJD) AREA:

AQUATIC RESOURCES IN APPROVED JURISDICTIONAL DETERMINATION (AJD) AREA

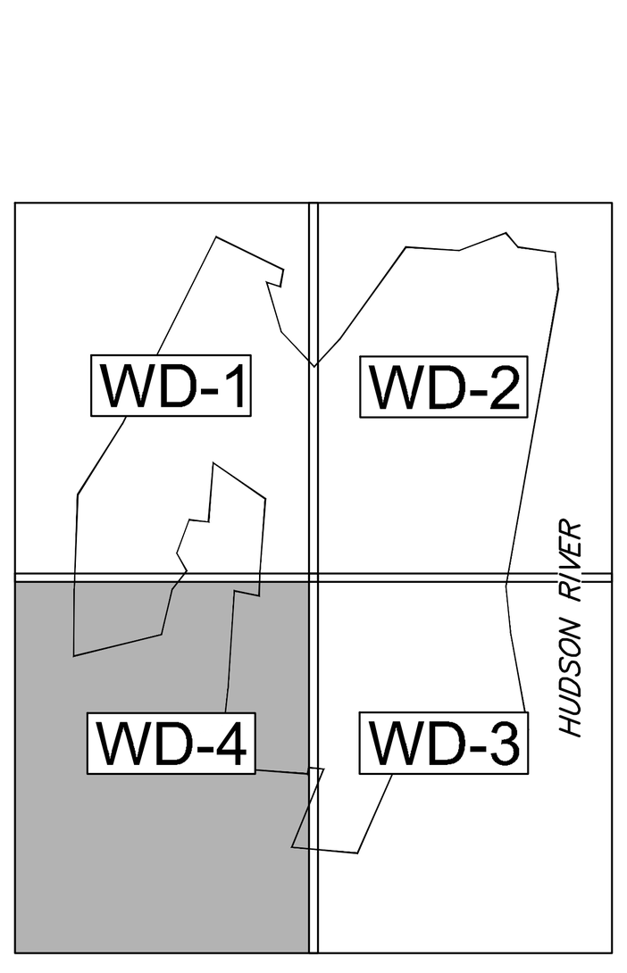
Resource ID	SIZE ON SITE	Centroid		Regulated by	
	Area - Acres	Latitude	Longitude	USACE	NYSDEC
Hudson River	57.61	41.940441	-73.965501	YES (10/404)	YES (Art. 15)
Wetland A/AAA	16.91	41.946861	-73.979778	YES	YES (Art. 24)
NYSDEC Adjacent Area Wetland A/AAA	15.01			NO	YES (Art. 24)
Wetland AA	1.17	41.939611	-73.969194	YES (404)	NO
Wetland B - Pond 12	0.68	41.951278	-73.977417	YES (404)	NO
Wetland C	1.15	41.948583	-73.976417	NO	NO
Wetland D - POND 13	0.13	41.934306	-73.973528	NO	NO
Wetland E - Pond 10	1.21	41.945833	-73.971833	NO	YES (Art. 15)
Wetland F	1.76	41.947111	-73.972778	NO	NO
Wetland G	1.53	41.945111	-73.975667	NO	NO
Wetland H	1.29	41.948917	-73.981861	NO	NO
Wetland I	0.48	41.948333	-73.981611	NO	NO
Wetland J	0.24	41.951056	-73.963583	YES (404)	NO
Wetland K/L - Pond 7	2.08	41.942139	-73.967417	NO	NO
Wetland O	0.16	41.940111	-73.9715	NO	NO
Wetland P - Pond 3	0.92	41.948417	-73.972833	NO	YES (Art. 15)
Wetland Q/R	0.05	41.945528	-73.972028	NO	NO
Wetland S/T	0.37	41.945056	-73.971833	NO	NO
Wetland U	0.27	41.952056	-73.968083	NO	NO
Wetland V	0.07	41.950778	-73.967167	NO	NO
Wetland W	0.35	41.936306	-73.968722	YES (404)	NO
Wetland X	0.12	41.937139	-73.969	NO	NO
Wetland Y	0.13	41.940278	-73.968194	YES (404)	NO
Wetland Z	0.12	41.942972	-73.971833	NO	NO
Wetland AB	0.05	41.944278	-73.965444	NO	NO
Wetland AC - Pond 15	0.05	41.943194	-73.966167	NO	NO
Wetland AG	0.06	41.944444	-73.974444	NO	NO
Wetland AI - Pond 16	0.02	41.944139	-73.977	NO	NO
Wetland AK - Pond 11	0.04	41.934139	-73.971833	NO	NO
Wetland AL	0.09	41.9475	-73.974444	NO	NO
Wetland AM	0.05	41.949222	-73.963028	NO	NO
Wetland AN	0.01	41.948028	-73.964167	NO	NO
Wetland ZZ	0.09	41.949722	-73.967472	NO	NO
Pond 1	5.53	41.946472	-73.976611	NO	YES (Art. 15)
Pond 2	1.02	41.947111	-73.975139	NO	YES (Art. 15)
Pond 4	2.28	41.948472	-73.970694	NO	YES (Art. 15)
Pond 5	6.15	41.944028	-73.970194	NO	YES (Art. 15)
Pond 6	0.24	41.944333	-73.967694	NO	YES (Art. 15)
	Length (Feet)				
Perennial Stream 1 (Str1)	753	Starting Centroid		YES (404)	NO
		41.943806	-73.982056		
		Ending Centroid			
		41.945194	-73.980556		
Perennial Stream 2 (Str2)	313	Starting Centroid		YES (404)	NO
		41.944944	-74.212639		
		Ending Centroid			
		41.944528	-73.976861		
Perennial Stream 3 (Str3)	729	Starting Centroid		YES (404)	YES (Art. 15)
		41.9525	-73.964333		
		Ending Centroid			
		41.950917	-73.963194		
Perennial Stream 4 (Str4)	671	Starting Centroid		NO	NO
		41.945972	-73.97275		
		Ending Centroid			
		41.944861	-73.971333		
Perennial Stream 5 (Str5)	235	Starting Centroid		NO	NO
		41.942139	-73.968889		
		Ending Centroid			
		41.942389	-73.968167		
Ephemeral Stream 1 (Eph 1)	335	Starting Centroid		NO	NO
		41.936639	-73.969167		
		Ending Centroid			
		41.936222	-73.970083		

The following wetlands are outside of the AJD Area, and so not on AJD Table:
Wetland M, Wetland N, Wetland AD/Pond 8 and Wetland AH/Pond 9.

PROPERTY AREA = 507.923 ACRES
+ 1.139 ACRES (PARCEL WEST OF N.Y.S. ROUTE 32)
+ 11.920 ACRES (NEW LOT PURCHASE)
− 0.517 ACRE (TOWN OF ULSTER WATER TANK)
TOTAL PROPERTY AREA= 520.465 ACRES TOTAL
AS PER MAP REFERENCE NO.1

PROPERTY AREA: 520.465 ACRES
PROJECT BOUNDARY/AJD AREA: 453.232 ACRES
PROPERTY AREA NOT IN PROJECT BOUNDARY/AJD AREA: 67.233 ACRES
- WD1 AREA 1: 15.055 ACRES
- WD1 AREA 2: 4.425 ACRES
- WD4 SHEET: 47.753 ACRES

THIS SHEET (WD4) IS OUTSIDE OF THE PROJECT BOUNDARY AND IS NOT PART OF THE CURRENT APPROVED JURISDICTIONAL DETERMINATION. THE CORPS IS NOT DETERMINING THE JURISDICTIONAL STATUS OF THE WATERS ON THIS SHEET AT THIS TIME. (OCTOBER, 2024)



drawn AJF | checked JMT
date 8/7/20 | scale 1"=100
project no. 31907.25
sheet no. WD4
4 OF 4

HUDSON CLIFFS - QUARRY WATERS

MAP OF AQUATIC RESOURCES PREPARED FOR SCENIC HUDSON LAND TRUST INC.

C/O KINGSTON & T/O ULSTER, ULSTER COUNTY, NEW YORK

rev.	date	description
7	10/03/24	ADDRESS COMMENTS FROM ARMY CORPS
6	08/08/24	JURISDICTIONAL DETERMINATION REVISIONS
5	03/21/24	AQUATIC RESOURCES TABLE REVISIONS
4	02/20/24	REVISE WETLAND "E" FIGURE
3	09/29/23	ADD TIDAL DATUM INFORMATION
2	01/26/21	GENERAL REVISIONS
1	12/04/20	ADDED INFO. FOR WETLANDS AL, AM & AN

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