

ROBERT LAGA
Chairman

NICHOLAS FANNIN
Vice Chairman

RICHARD FRANZETTI, P.E.
Wetland Inspector

ROSE TROMBETTA
Secretary

TOWN OF CARMEL
ENVIRONMENTAL CONSERVATION BOARD



60 McAlpin Avenue
Mahopac, New York 10541
Tel. (845) 628-1500 - Ext. 190
www.ci.carmel.ny.us

BOARD MEMBERS

Edward Barnett
Anthony Federice
Nicole Sedran

ENVIRONMENTAL CONSERVATION BOARD AGENDA

JANUARY 20, 2022 – 7:30 P.M.

SUBMISSION OF AN APPLICATION OR LETTER OF PERMISSION

<u>APPLICANT</u>	<u>ADDRESS</u>	<u>TAX MAP #</u>	<u>COMMENTS</u>
1. Suez Water New York Inc – London Bridge Wells	39 Brook Street	64.7-1-10	Tree Cutting – 25 trees
2. Suez Water New York Inc – Geymer Wells	70 Geymer Road	75.13-1-6	Tree Cutting – 6 trees
3. Suez Water New York Inc – Chateau Wells	59 McNair Drive	75.20-1-6	Tree Cutting – 16 trees
4. Suez Water New York Inc – Mahopac Wells	Behind 34 Coventry Circle	75.20-2-68	Tree Cutting – 14 trees

CREAMER

J. FLETCHER CREAMER & SON, INC.

POWERED BY **API** GROUP

January 5th, 2022

Chairman Robert Laga and Members of the Town of Carmel
Environmental Conservation Board
60 McAlpin Avenue
Mathopac, NY 10541

RE: London Bridge Well Site
39 Brook St
Mathopac, NY 10541
Tax Map #64.7-1-10
Tree Cutting Permit

Dear Chairman Laga and Environmental Conservation Board Members,

The tree cutting permit application is being submitted in anticipation of the proposed London Bridge Well Site Building Permit. Due to bat regulations, we are only able to cut trees from October 1 - March 31. Usually, tree removal is covered under a building permit with the town of Carmel but since this project is a design-build, we are still finalizing the designs and have not applied for the building permit. The goal is to get the tree cutting permit approved before our official building permit so we can cut down trees in the designated months as to not affect bat habitats. The total land area involved with the anticipated tree removal is .34 acres. The applicant is proposing to remove 21 Maple, 2 Ash and 2 Oak trees. A total of 25 trees are proposed to be removed that range in size from 6 inches in diameter to 24 inches in diameter. All trees to be removed have been clearly designated with paint.

Thank you,



David Rimland
Project Engineer | J. Fletcher Creamer & Son, Inc.
101 East Broadway | Hackensack, NJ 07601
C: 551-206-9945 D: 908-986-5693
WWW.JFCSON.COM

CREAMER

J. FLETCHER CREAMER & SON, INC.

POWERED BY **API** GROUP



101 East Broadway
Hackensack, NJ 07601-6851
Phone (201) 488-9800 | Fax (201) 488-2901
JFCSON.COM

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Nicole Sedran

APPLICATION FOR A TREE CUTTING PERMIT

Name of Applicant: J. Fletcher Creamer & Sons

Address: 101 East Broadway, Hackensack NJ Tel. No. 551-206-9945

Owner of Property: Suez Water New York - 162 Old Mill Road, West Nyack 10944

Address: Site: 39 Brook St, Carmel NY Tel. No. 201-538-0690

Tax Map Number: 64.7-1-10 Total Land Area Involved: 1.57 AC total Only .34 AC for Tree Cutting

Number of trees of each species to be cut: Ash - 2 Range, in inches, of diameter, measured 4 & 1/2 feet
Oak - 2 6-24"
above the ground of the trees to be cut: _____

Total Board Foot Volume for each species to be cut: _____

A Sketch Map drawn to scale must be attached showing:

1. Boundaries of Property.
2. Access Roads into property and proposed roads and skid trails in the property.
3. Area within the property where cutting will occur.
4. Location and size of product loading areas.
5. Any area of the property defined as a wetland by the Town of Carmel Wetland Law.
6. If tree cutting operation is to be conducted in stages, each stage shall be shown on the sketch map.
7. Scale of map.

A written statement must be attached stating that each tree to be removed has been designated with paint or other distinctive means at two points so as to be readily visible. One point shall be low enough on the tree so as to be visible on the stump after the tree is removed.

Permit Fee is: - Up to 5 acres - \$500.00 - 5 to 25 acres - \$1,000.00 - Over 25 acres - \$1,500.00

SIGNATURE OF OWNER

Christopher Graziano - General Manager

SIGNATURE OF APPLICANT

David Rimland - Project Engineer

All property owners within 500 feet of the subject property must be notified by U.S. Mail prior to commencement of the operation.



United States Department of the Interior



FISH AND WILDLIFE SERVICE

New York Field Office

3817 Luker Road

Cortland, NY 13045

Phone: (607) 753-9334 Fax: (607) 753-9699

http://www.fws.gov/northeast/nyfo

To: Mr. Steven Smith

Date: July 20, 2021

USFWS File No: 21TA1384, 1386, 1387, 1389, and 1422

Regarding your: Letter Fax Email

Dated: May 19, 2021

For project: SUEZ-London Bridge, Chateau, Archer, Mahopac, and Geymer Wells

Located: various locations

In Town/County: Putnam County

Pursuant to the Endangered Species Act of 1973 (ESA) (87 Stat. 884, as amended; 16 U.S.C. 1531 *et seq.*), the U.S. Fish and Wildlife Service:

Acknowledges receipt of your "no effect" and/or no impact determination. No further ESA coordination or consultation is required.

Acknowledges receipt of your determination. Please provide a copy of your determination and supporting materials to any involved Federal agency for their final ESA determination.

Is taking no action pursuant to ESA or any legislation at this time, but would like to be kept informed of project developments.

As a reminder, until the proposed project is complete, we recommend that you check our website (<http://www.fws.gov/northeast/nyfo/es/section7.htm>) regularly from the date of this letter to ensure that listed species presence/absence information for the proposed project is current. Should project plans change or if additional information on listed or proposed species or critical habitat becomes available, this determination may be reconsidered.

USFWS Contact(s): Noelle Rayman-Metcalf

Supervisor: **IAN DREW** Digitally signed by IAN DREW
Date: 2021.07.20 13:57:17 -04'00' Date: _____

Endangered Species Biologist
U.S. Fish and Wildlife Service
New York Field Office
3817 Luker Rd.
Cortland, NY 13045
607-753-9334
noelle_rayman@fws.gov
<http://www.fws.gov/northeast/nyfo>

From: Smith, Steven C. <scsmith@GFNET.com>
Sent: Thursday, July 8, 2021 11:15 AM
To: Rayman, Noelle <noelle_rayman@fws.gov>
Subject: RE: [EXTERNAL] SUEZ Archer Well Phase I Bog Turtle Report

Noelle,

Thanks so much for the response. I really appreciate your assistance with these projects. The permits will be submitted to the DEC and USACE by the end of the month and should be issued by the wintertime so I think that tree clearing in the winter will not be a problem. We did not take a close look at the trees while doing the wetland and phase I bog turtle work but I assume that some of them would meet the criteria for suitable bat habitat (dbh, crevices, shedding bark, etc.). I will reach out to the project manager and client/applicant to have them confirm that tree clearing in the winter is acceptable. Despite what I said a month ago about Geymer, I would not assume that NO trees will be cut at Geymer so you should probably also require any tree cutting there to be done over winter. I will get you the confirmation that SUEZ will abide by the winter tree cutting requirement ASAP.

Thanks again.

Steve

Steven C. Smith | Environmental Scientist and Permit Coordinator
Gannett Fleming, Inc. | 207 Senate Avenue, Camp Hill, PA 17011 | **Company Telephone** 717.763.7211
Direct 717.886.5413 | **Mobile** 717.701.0279 | **Email** scsmith@gfnet.com
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From: Rayman, Noelle <noelle_rayman@fws.gov>
Sent: Thursday, July 8, 2021 11:03 AM
To: Smith, Steven C. <scsmith@GFNET.com>
Subject: Re: [EXTERNAL] SUEZ Archer Well Phase I Bog Turtle Report

[EXTERNAL EMAIL]: This email originated from outside the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good morning, Steve,

We are down a biologist in our program, so it is taking us longer to respond to projects. I have looked at the additional info provided - thank you! Please see my questions and/or comments below:

Chateau Well

- Wetland 1 does not look like all the criteria are met for suitable habitat, nor does wetland 2. I don't think any specific conservation measures for bog turtle are needed for this site.
- Approximately 2,143 sq ft of trees (or ~0.05 acre) are planned to be cleared. Do they exhibit suitable bat habitat? If they don't, clear anytime. If they do, then I recommend clearing them in the winter (Oct. 1 to Mar. 31) OR if just a couple trees are suitable, then a one-night emergence survey could be done. Let me know.

London Bridge

- Same as Chateau Well, it doesn't look like the suitable bog turtle habitat based on the photos. I don't think any specific conservation measures for bog turtle are needed for this site.
- Approximately 14,752 sq ft of trees (~0.34 ac) are planned to be cleared. I recommend clearing trees in the winter (Oct. 1 to Mar. 31) if trees contain suitable roosting habitat. I don't recommend emergence surveys for this site unless it's truly just 1 or 2 trees that end up being suitable.

Mahopac Well

- It also doesn't look like the suitable bog turtle habitat based on the photos. I don't think any specific conservation measures for bog turtle are needed for this site.
- Approximately 4,042 sq ft (~0.09 ac) of tree clearing is planned. With this smaller acreage, do any of the trees exhibit suitable bat habitat? If they don't, clear anytime. If they do, then I recommend cutting Oct. 1 to Mar. 31) OR if just a couple trees are suitable, then a one-night emergence survey could be done.

Geymer Well

- This wetland doesn't look like it contains suitable bog turtle habitat based on the photos. I don't think any specific conservation measures for bog turtle are needed for this site.
- No trees are planned to be cut here.

Archer Well

- This wetland doesn't look like it contains suitable bog turtle habitat based on the photos. I don't think any specific conservation measures for bog turtle are needed for this site.
- Approximately 25,882 sq ft of trees (~0.59 ac) are planned to be cleared. I recommend clearing trees in the winter (Oct. 1 to Mar. 31) if trees contain suitable roosting habitat.

All I need now is whether the project sponsor agrees to clearing trees in the winter (if suitable roosting habitat is present). Once I have this, then I can draft a "no take" letter to send out to you to complete consultation for these projects.

Thank you,

Noelle

--

Noelle L. Rayman-Metcalf
Endangered Species Biologist
U.S. Fish and Wildlife Service
New York Field Office
3817 Luker Rd.
Cortland, NY 13045
607-753-9334
noelle_rayman@fws.gov
<http://www.fws.gov/northeast/nyfo>

From: Smith, Steven C. <scsmith@GFNET.com>
Sent: Thursday, May 20, 2021 9:35 PM
To: Rayman, Noelle <noelle_rayman@fws.gov>
Subject: [EXTERNAL] SUEZ Archer Well Phase I Bog Turtle Report

This email has been received from outside of DOI - Use caution before clicking on links, opening attachments, or responding.

Dear Ms. Rayman-Metcalf,

Thank you for taking time last week to briefly discuss this project and the urgency to address the potential USFWS bog turtle conflicts identified by the IPaC for each project site.

Gannett Fleming is assisting SUEZ Water New York, Inc. (SUEZ) with five (5) projects located in Putnam County. Bog turtles are known to the county, therefore, a Phase I bog turtle habitat survey was conducted at each site during the wetland delineation fieldwork.

In late August 2020, the State of New York set a new standard of 10 ppt for perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS) in drinking water. In accordance with the new requirements, SUEZ took additional samples from its well water sources in October 2020. Those sites that tested above the new state standard remain well below the federal level of 70 ppt, but will require treatment to meet the new State requirements. SUEZ is working closely with the New York State

Department of Health (DOH) and the Putnam County Health Department to achieve compliance by installing advanced treatment.

SUEZ received a deferral from the DOH on January 7, 2021 for the implementation of treatment, recognizing the design, testing, permitting, construction and other activities will take time to complete. As part of the deferral process, SUEZ submitted a detailed action plan that will ensure that the water system will meet the new standard. SUEZ must comply with the DOH's requirement to address PFOA and PFOS by the compliance deadline of August 2022. The upgrades will require the replacement of the existing pumps, installing a new utility transformer, replacement of the electrical supply to the existing wells, and the placement of the new advanced treatment building on-site. The location of the advanced treatment building has been selected to avoid and minimize wetland impacts.

Because of the DOH's August 2022 deadline for PFOA and PFOS compliance, SUEZ has less than 15 months to design, obtain federal, state, and local permits, and construct the updates. Four of the five existing well and pump station sites are located adjacent to large DEC wetland complexes. These complexes are predominantly forested but do contain areas of fair to low quality bog turtle habitat within the 300-foot action area investigated as part of the wetland delineation fieldwork. SUEZ recognizes that Phase 2 bog turtle survey season ends in less than a month and plans to provide mitigation measures during construction, such as installation of exclusionary fencing between the wetlands and the project area. If, upon reviewing the Phase 1 reports, you determine that bog turtles are not likely present and not likely to be impacted, the mitigation measures could be waived upon consultation with you.

Please review the five Phase I reports and provide us with your recommendations at your earliest convenience.

Thank you in advance for your assistance with these critical projects. Please do not hesitate to contact me with any questions. I will be providing reports for four additional well sites in separate emails.

Regards,

Steve

Steven C. Smith | Environmental Scientist and Permit Coordinator
Gannett Fleming, Inc. | 207 Senate Avenue, Camp Hill, PA 17011 | **Company Telephone** 717.763.7211
Direct 717.886.5413 | **Mobile** 717.701.0279 | **Email** scsmith@gfnet.com
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From: Smith, Steven C.
Sent: Friday, July 9, 2021 8:53 AM
To: Rayman, Noelle <noelle_rayman@fws.gov>
Subject: RE: [EXTERNAL] SUEZ Archer Well Phase I Bog Turtle Report

Good morning Noelle,

I have attached an email from the SUEZ project manager stating that they will agree to the tree cutting restriction at the five Putnam County Project Sites.

I also wanted to let you know that SUEZ proposes to clear an additional area at the Mahopac Site to use for staging and laydown of equipment and materials. They have very little land at the other sites that is either flat or not wetland so they plan to use this upland staging/laydown area to support to the other four project sites. The area outlined in yellow below is immediately adjacent to the access road for Mahopac, it has been cleared in the past and has less trees established than elsewhere along the access road (see the enlarged image below). This area is about 0.4 acres and will have some trees to be removed, but it is not all trees. Therefore, we should conservatively say that Mahopac will require 0.50 acre of tree removal (0.40 acre plus the previously identified 0.09 acre). SUEZ will agree to the seasonal tree cutting restriction for this area as well.

If you have all of the information that you require, please prepare the “no take” letter at your earliest convenience. Thanks again and have a great weekend.





Steven C. Smith | Environmental Scientist and Permit Coordinator
Gannett Fleming, Inc. | 207 Senate Avenue, Camp Hill, PA 17011 | **Company Telephone** 717.763.7211
Direct 717.886.5413 | **Mobile** 717.701.0279 | **Email** scsmith@gfnet.com
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From: Rayman, Noelle <noelle_rayman@fws.gov>
Sent: Thursday, July 8, 2021 2:01 PM
To: Smith, Steven C. <scsmith@GFNET.com>
Subject: Re: [EXTERNAL] SUEZ Archer Well Phase I Bog Turtle Report

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The time of year restriction is for anything above 3 inches dbh. I'll make a note about the Geymer cutting info - thank you!

--

Noelle L. Rayman-Metcalf

Endangered Species Biologist
U.S. Fish and Wildlife Service
New York Field Office
3817 Luker Rd.
Cortland, NY 13045
607-753-9334
noelle_rayman@fws.gov
<http://www.fws.gov/northeast/nyfo>

From: Smith, Steven C. <scsmith@GFNET.com>
Sent: Thursday, July 8, 2021 1:12 PM
To: Rayman, Noelle <noelle_rayman@fws.gov>
Subject: RE: [EXTERNAL] SUEZ Archer Well Phase I Bog Turtle Report

Noelle,

For Geymer, based on recent site surveys, we estimate 8 trees covering about 2,000 square feet (0.05 acre) will need to be cut.

The applicant is asking about the tree cutting restriction. Will that be for all trees or just those of a certain diameter that need to be cut from 10/1 to 3/31?

Thanks again.

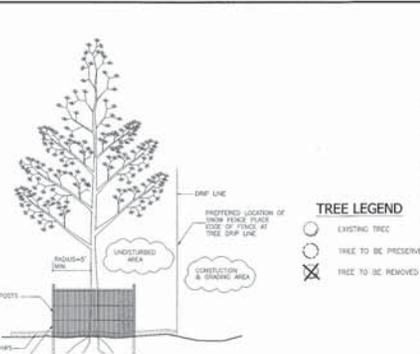
Steven C. Smith | Environmental Scientist and Permit Coordinator
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From: Rayman, Noelle <noelle_rayman@fws.gov>
Sent: Thursday, July 8, 2021 11:28 AM
To: Smith, Steven C. <scsmith@GFNET.com>
Subject: Re: [EXTERNAL] SUEZ Archer Well Phase I Bog Turtle Report

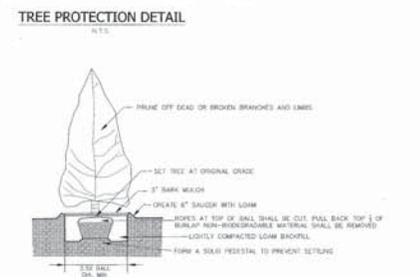
[EXTERNAL EMAIL]: This email originated from outside the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Thank you and sounds good! Just let me know if you can estimate the amount of tree clearing for Geymer.

--
Noelle L. Rayman-Metcalf



NOTES:
 1) INSTALL SNOW FENCE TREE PROTECTION PRIOR TO ANY CLEARING OR EXCAVATION.
 2) MAINTAIN SNOW FENCE FOR THE DURATION OF THE CONSTRUCTION PERIOD.



PLANTING SPECIFICATIONS:

GENERAL: ALL PLANTS, TREES, AND SHRUBS SHALL MEET THE SPECIFICATIONS FOR "PLANT MATERIALS" AS PER THE AMERICAN STANDARD FOR NURSERY STOCK. THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO INSPECT ALL PLANTS PRIOR TO SHIPPING AND INSTALLATION. THERE ARE TO BE NO SUBSTITUTIONS OF THE PLANTS WITHOUT THE CONSENT OF THE LANDSCAPE ARCHITECT.

PLANTING: ALL PLANTS SHALL BE PLANTED AS POTS. TWO INCHES THE DIAMETER OF THE ROOT BALL OR CONTAINER. PLANT HEIGHT SHOULD BE PLACED AT OR SLIGHTLY ABOVE PREVIOUS GRADE. PAUL BARK SHOULD BE PLACED AT TOP OF BALL AND CUT AWAY ON TREE BARK. ENSURE THAT THE SUBSTRATE IS NOT EXPOSED ABOVE GRADE BECAUSE OF WATER LOSS, STAKING AND DIVING SHALL BE USED ONLY WHEN NECESSARY. WHEN THE METHOD IS USED, CARE SHOULD BE TAKEN TO PROTECT THE TREE BARK AND WIRES SHOULD BE REMOVED AS SOON AS POSSIBLE.

MULCHING: ALL PLANTING BEDS (EXCEPT BROWNWOODS) SHALL BE MULCHED WITH THREE INCHES OF SHREDED BARK TO CONSERVE WATER AND KEEP ROOTS COVERED DURING WINTER GROWTH STAGE. DO NOT PLACE MULCH HEAVILY AROUND GROWTH OF PLANTS.

WATERING: ALL TREES AND SHRUBS SHALL BE SPRAYED WITH AN ANTI-DESICCANT THE FIRST WINTER AFTER PLANTING.

WATERING: ALL PLANTS SHALL BE WATERED BY THE CONTRACTOR DURING THE INITIAL GROWTH STAGE. TREES SHALL BE HEAVILY WATERED SEVERAL TIMES DURING THE FIRST MONTH AFTER PLANTING AND THEN REGULARLY FOR THE NEXT TWO SUMMERS.

PLANT GUARANTEE: CONTRACTOR SHALL GUARANTEE ALL NEWLY INSTALLED PLANTS FORTY-ONE MONTH FROM THE DATE THEY ARE GIVEN PROPER WATERING/CARE AND CONTRACTOR IS NOTIFIED OF UNHEALTHY STRESSED PLANTS IMMEDIATELY. THE TWO YEAR GUARANTEE WILL START AT THE TIME OF THE OCCUPANCY OF THE CERTIFICATE OF OCCUPANCY.

LEGEND

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TREE LIST

NO.	SIZE	DESCRIPTION	CONDITION	NO.	SIZE	DESCRIPTION	CONDITION
2001	36"	TRIPLE MAPLE	GOOD	2073	15"	BIRCH	POOR
2002	18"	MAPLE	GOOD	2074	6"	BIRCH	GOOD
2003	11"	TWIN MAPLE	GOOD	2075	8"	TWIN BIRCH	GOOD
2004	6"	MAPLE	GOOD	2076	6"	BIRCH	GOOD
2005	18"	MAPLE	GOOD	2077	6"	BIRCH	GOOD
2006	18"	MAPLE	GOOD	2078	18"	TULIP	GOOD
2007	18"	MAPLE	GOOD	2079	14"	MAPLE	GOOD
2008	18"	MAPLE	GOOD	2080	12"	MAPLE	GOOD
2009	8"	MAPLE	GOOD	2081	6"	MAPLE	GOOD
2010	18"	MAPLE	GOOD	2082	6"	BIRCH	GOOD
2011	12"	MAPLE	GOOD	2083	6"	MAPLE	GOOD
2012	12"	MAPLE	GOOD	2084	22"	HICKORY	GOOD
2013	6"	MAPLE	GOOD	2085	8"	MAPLE	GOOD
2014	6"	MAPLE	GOOD	2086	8"	MAPLE	GOOD
2015	6"	MAPLE	GOOD	2087	6"	MAPLE	GOOD
2016	6"	MAPLE	GOOD	2088	10"	MAPLE	GOOD
2017	6"	MAPLE	GOOD	2089	12"	MAPLE	GOOD
2018	7"	ASH	GOOD	2090	10"	MAPLE	GOOD
2019	6"	MAPLE	GOOD	2091	12"	MAPLE	GOOD
2020	6"	MAPLE	GOOD	2092	12"	MAPLE	GOOD
2021	12"	MAPLE	GOOD	2093	15"	BIRCH	GOOD
2022	12"	MAPLE	GOOD	2094	22"	HICKORY	GOOD
2023	6"	MAPLE	GOOD	2095	8"	MAPLE	GOOD
2024	11"	TWIN MAPLE	GOOD	2096	8"	MAPLE	GOOD
2025	6"	TULIP	GOOD	2097	6"	MAPLE	GOOD
2026	14"	MAPLE	GOOD	2098	8"	MAPLE	GOOD
2027	10"	MAPLE	GOOD	2099	6"	MAPLE	GOOD
2028	31"	MAPLE	POOR	2100	8"	MAPLE	GOOD
2029	6"	MAPLE	GOOD	2101	8"	MAPLE	GOOD
2030	6"	ASH	GOOD	2102	7"	HICKORY	GOOD
2031	6"	MAPLE	GOOD	2103	6"	MAPLE	GOOD
2032	6"	MAPLE	GOOD	2104	12"	MAPLE	GOOD
2033	6"	MAPLE	GOOD	2105	12"	MAPLE	GOOD
2034	26"	DMK	GOOD	2106	18"	MAPLE	GOOD
2035	12"	HICKORY	GOOD	2107	6"	MAPLE	GOOD
2036	22"	MAPLE	POOR	2108	18"	TULIP	POOR
2037	15"	BIRCH	POOR	2109	15"	TWIN MAPLE	GOOD
2038	20"	BIRCH	GOOD	2110	24"	MAPLE	GOOD
2039	10"	BIRCH	GOOD	2111	12"	MAPLE	GOOD
2040	6"	DMK	GOOD	2112	10"	TWIN MAPLE	GOOD
2041	20"	TULIP	GOOD	2113	14"	MAPLE	GOOD
2042	21"	TULIP	GOOD	2114	17"	MAPLE	GOOD
2043	8"	BIRCH	GOOD	2115	10"	TWIN MAPLE	GOOD
2044	16"	DMK	GOOD	2116	12"	TROLDENIALE	GOOD
2045	6"	DMK	GOOD	2117	11"	MAPLE	GOOD
2046	11"	TULIP	GOOD	2118	10"	TWIN MAPLE	GOOD
2047	12"	TWIN DMK	GOOD	2119	10"	MAPLE	GOOD
2048	23"	TULIP	GOOD	2120	24"	GRAND MAPLE	GOOD
2049	11"	TWIN DMK	GOOD	2121	16"	MAPLE	GOOD
2050	10"	DMK	GOOD	2122	16"	MAPLE	GOOD
2051	21"	MAPLE	GOOD	2123	9"	MAPLE	POOR
2052	17"	BIRCH	GOOD	2124	16"	MAPLE	POOR
2053	6"	BIRCH	GOOD	2125	26"	MAPLE	GOOD
2054	6"	BIRCH	GOOD	2126	15"	MAPLE	POOR
2055	17"	BIRCH	GOOD	2127	23"	MAPLE	GOOD
2056	18"	BIRCH	GOOD	2128	28"	MAPLE	POOR
2057	17"	BIRCH	GOOD	2129	17"	MAPLE	GOOD
2058	12"	HICKORY	GOOD	2130	14"	MAPLE	GOOD
2059	13"	DMK	GOOD	2131	21"	MAPLE	GOOD
2060	14"	MAPLE	GOOD	2132	26"	MAPLE	GOOD
2061	17"	BIRCH	GOOD	2133	16"	MAPLE	GOOD
2062	24"	DMK	GOOD	2134	20"	MAPLE	GOOD
2063	13"	BIRCH	GOOD	2135	10"	TWIN MAPLE	POOR
2064	8"	BIRCH	GOOD	2136	7"	MAPLE	GOOD
2065	10"	BIRCH	GOOD	2137	18"	TWIN MAPLE	POOR
2066	15"	DMK	GOOD	2138	16"	MAPLE	GOOD
2067	6"	BIRCH	GOOD	2139	10"	MAPLE	GOOD
2068	8"	BIRCH	GOOD	2140	17"	MAPLE	GOOD
2069	14"	BIRCH	GOOD	2141	21"	TWIN MAPLE	GOOD
2070	15"	MAPLE	GOOD	2142	26"	MAPLE	GOOD
2071	18"	TWIN BIRCH	POOR	2143	21"	MAPLE	GOOD
2072	15"	BIRCH	POOR				

PLANT LIST

SYMBOL	PLANT NAME	HEIGHT	QUANTITY	SIZE & REMARKS
⊕ 1	TRIGLOPACTA Green Giant Arctostaphylos	8 FT TO 10 FT	15	8 FT. 40 FT. IN. Plant @ 90" x 60" o.c.
⊕ 2	ANEMONE GIBBERNA Eastern Red Cedar	8 FT TO 10 FT	14	8 FT. 20 FT. IN. Plant @ 90" x 60" o.c.
⊕ 3	CHESAPEAKE HOLLY var. 'Chippewa'	4 FT TO 5 FT	6	Plant along to edge

ATZL, NASHER & ZIGLER P.C.
 ENGINEERS - SURVEYORS - PLANNERS

332 North Main Street
 New City, New York 10956
 Tel: (845) 634-4094
 Fax: (845) 634-5453
 E-mail: info@atnz.com
 Web: www.atnz.com

SUEZ WATER NEW YORK, INC.
 LONDON BRIDGE WELL 1 & 2

TOWN OF CARMEL
 PUTNAM COUNTY, NEW YORK

TREE & LANDSCAPE PLAN

DATE: JULY 20, 2021
 PROJECT NO: 4872

CHECKED BY: JMA
 SCALE: 1" = 30' FT
 DRAWING NO: 5

CREAMER

J. FLETCHER CREAMER & SON, INC.

POWERED BY **API GROUP**

January 5th, 2022

Chairman Robert Laga and Members of the Town of Carmel
Environmental Conservation Board
60 McAlpin Avenue
Mathopac, NY 10541

RE: Geymer Well Site
70 Geymer Rd
Mathopac, NY 10541
Tax Map #75.13-1-6
Tree Cutting Permit

Dear Chairman Laga and Environmental Conservation Board Members,

The tree cutting permit application is being submitted in anticipation of the proposed Geymer Well Site Building Permit. Due to bat regulations, we are only able to cut trees from October 1 - March 31. Usually, tree removal is covered under a building permit with the town of Carmel but since this project is a design-build, we are still finalizing the designs and have not applied for the building permit. The goal is to get the tree cutting permit approved before our official building permit so we can cut down trees in the designated months as to not affect bat habitats. The total land area involved with the anticipated tree removal is .05 acres. The applicant is proposing to remove 2 Maple, 1 Ash and 3 Hickory trees. A total of 6 trees are proposed to be removed that range in size from 6 inches in diameter to 9 inches in diameter. All trees to be removed have been clearly designated with paint.

Thank you,



David Rimland
Project Engineer | J. Fletcher Creamer & Son, Inc.
101 East Broadway | Hackensack, NJ 07601
C: 551-206-9945 D: 908-986-5693
WWW.JFCSON.COM

CREAMER

J. FLETCHER CREAMER & SON, INC.

POWERED BY **API GROUP**



101 East Broadway
Hackensack, NJ 07601-6851
Phone (201) 488-9800 | Fax (201) 488-2901
JFCSON.COM

ROBERT LAGA
Chairman

NICHOLAS FANNIN
Vice Chairman

RICHARD FRANZETTI
Wetland Inspector

ROSE TROMBETTA
Secretary

TOWN OF CARMEL
ENVIRONMENTAL CONSERVATION BOARD



60 McAlpin Avenue
Mahopac, New York 10541
Tel. (845) 628-1500 - Ext. 190
www.ci.carmel.ny.us

BOARD MEMBERS

Edward Barnett
Anthony Federice
Nicole Sedran

APPLICATION FOR A TREE CUTTING PERMIT

Name of Applicant: J. Fletcher Creamer & Sons

Address: 101 East Broadway, Hackensack NJ Tel. No. 551-206-9945

Owner of Property: Suez Water New York - 162 Old Mill Road, West Nyack 10944

Address: Site: 70 Geymer Rd, Mathopac NY Tel. No. 201-538-0690

Tax Map Number: 75.13-1-6 Total Land Area Involved: 4.02 AC total Only .05 AC for Tree Cutting
Maple - 2

Number of trees of each species to be cut: Ash - 1 Range, in inches, of diameter, measured 4 & 1/2 feet
Hikory - 3 6-9"
above the ground of the trees to be cut: _____

Total Board Foot Volume for each species to be cut: _____

A Sketch Map drawn to scale must be attached showing:

1. Boundaries of Property.
2. Access Roads into property and proposed roads and skid trails in the property.
3. Area within the property where cutting will occur.
4. Location and size of product loading areas.
5. Any area of the property defined as a wetland by the Town of Carmel Wetland Law.
6. If tree cutting operation is to be conducted in stages, each stage shall be shown on the sketch map.
7. Scale of map.

A written statement must be attached stating that each tree to be removed has been designated with paint or other distinctive means at two points so as to be readily visible. One point shall be low enough on the tree so as to be visible on the stump after the tree is removed.

Permit Fee is: - Up to 5 acres - \$500.00 - 5 to 25 acres - \$1,000.00 - Over 25 acres - \$1,500.00

Handwritten signature of Christopher Graziano.

SIGNATURE OF OWNER

Christopher Graziano - General Manager

Handwritten signature of David Rimland.

SIGNATURE OF APPLICANT

David Rimland - Project Engineer

All property owners within 500 feet of the subject property must be notified by U.S. Mail prior to commencement of the operation.



United States Department of the Interior

FISH AND WILDLIFE SERVICE

New York Field Office

3817 Luker Road

Cortland, NY 13045

Phone: (607) 753-9334 Fax: (607) 753-9699

<http://www.fws.gov/northeast/nyfo>



To: Mr. Steven Smith

Date: July 20, 2021

USFWS File No: 21TA1384, 1386, 1387, 1389, and 1422

Regarding your: Letter Fax Email

Dated: May 19, 2021

For project: SUEZ-London Bridge, Chateau, Archer, Mahopac, and Geymer Wells

Located: various locations

In Town/County: Putnam County

Pursuant to the Endangered Species Act of 1973 (ESA) (87 Stat. 884, as amended; 16 U.S.C. 1531 *et seq.*), the U.S. Fish and Wildlife Service:

Acknowledges receipt of your "no effect" and/or no impact determination. No further ESA coordination or consultation is required.

Acknowledges receipt of your determination. Please provide a copy of your determination and supporting materials to any involved Federal agency for their final ESA determination.

Is taking no action pursuant to ESA or any legislation at this time, but would like to be kept informed of project developments.

As a reminder, until the proposed project is complete, we recommend that you check our website (<http://www.fws.gov/northeast/nyfo/es/section7.htm>) regularly from the date of this letter to ensure that listed species presence/absence information for the proposed project is current. Should project plans change or if additional information on listed or proposed species or critical habitat becomes available, this determination may be reconsidered.

USFWS Contact(s): Noelle Rayman-Metcalf

Supervisor: **IAN DREW** Digitally signed by IAN DREW
Date: 2021.07.20 13:57:17 -04'00' Date: _____

Endangered Species Biologist
U.S. Fish and Wildlife Service
New York Field Office
3817 Luker Rd.
Cortland, NY 13045
607-753-9334
noelle_rayman@fws.gov
<http://www.fws.gov/northeast/nyfo>

From: Smith, Steven C. <scsmith@GFNET.com>
Sent: Thursday, July 8, 2021 11:15 AM
To: Rayman, Noelle <noelle_rayman@fws.gov>
Subject: RE: [EXTERNAL] SUEZ Archer Well Phase I Bog Turtle Report

Noelle,

Thanks so much for the response. I really appreciate your assistance with these projects. The permits will be submitted to the DEC and USACE by the end of the month and should be issued by the wintertime so I think that tree clearing in the winter will not be a problem. We did not take a close look at the trees while doing the wetland and phase I bog turtle work but I assume that some of them would meet the criteria for suitable bat habitat (dbh, crevices, shedding bark, etc.). I will reach out to the project manager and client/applicant to have them confirm that tree clearing in the winter is acceptable. Despite what I said a month ago about Geymer, I would not assume that NO trees will be cut at Geymer so you should probably also require any tree cutting there to be done over winter. I will get you the confirmation that SUEZ will abide by the winter tree cutting requirement ASAP.

Thanks again.

Steve

Steven C. Smith | Environmental Scientist and Permit Coordinator
Gannett Fleming, Inc. | 207 Senate Avenue, Camp Hill, PA 17011 | **Company Telephone** 717.763.7211
Direct 717.886.5413 | **Mobile** 717.701.0279 | **Email** scsmith@gfnet.com
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From: Rayman, Noelle <noelle_rayman@fws.gov>
Sent: Thursday, July 8, 2021 11:03 AM
To: Smith, Steven C. <scsmith@GFNET.com>
Subject: Re: [EXTERNAL] SUEZ Archer Well Phase I Bog Turtle Report

[EXTERNAL EMAIL]: This email originated from outside the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good morning, Steve,

We are down a biologist in our program, so it is taking us longer to respond to projects. I have looked at the additional info provided - thank you! Please see my questions and/or comments below:

Chateau Well

- Wetland 1 does not look like all the criteria are met for suitable habitat, nor does wetland 2. I don't think any specific conservation measures for bog turtle are needed for this site.
- Approximately 2,143 sq ft of trees (or ~0.05 acre) are planned to be cleared. Do they exhibit suitable bat habitat? If they don't, clear anytime. If they do, then I recommend clearing them in the winter (Oct. 1 to Mar. 31) OR if just a couple trees are suitable, then a one-night emergence survey could be done. Let me know.

London Bridge

- Same as Chateau Well, it doesn't look like the suitable bog turtle habitat based on the photos. I don't think any specific conservation measures for bog turtle are needed for this site.
- Approximately 14,752 sq ft of trees (~0.34 ac) are planned to be cleared. I recommend clearing trees in the winter (Oct. 1 to Mar. 31) if trees contain suitable roosting habitat. I don't recommend emergence surveys for this site unless it's truly just 1 or 2 trees that end up being suitable.

Mahopac Well

- It also doesn't look like the suitable bog turtle habitat based on the photos. I don't think any specific conservation measures for bog turtle are needed for this site.
- Approximately 4,042 sq ft (~0.09 ac) of tree clearing is planned. With this smaller acreage, do any of the trees exhibit suitable bat habitat? If they don't, clear anytime. If they do, then I recommend cutting Oct. 1 to Mar. 31) OR if just a couple trees are suitable, then a one-night emergence survey could be done.

Geymer Well

- This wetland doesn't look like it contains suitable bog turtle habitat based on the photos. I don't think any specific conservation measures for bog turtle are needed for this site.
- No trees are planned to be cut here.

Archer Well

- This wetland doesn't look like it contains suitable bog turtle habitat based on the photos. I don't think any specific conservation measures for bog turtle are needed for this site.
- Approximately 25,882 sq ft of trees (~0.59 ac) are planned to be cleared. I recommend clearing trees in the winter (Oct. 1 to Mar. 31) if trees contain suitable roosting habitat.

All I need now is whether the project sponsor agrees to clearing trees in the winter (if suitable roosting habitat is present). Once I have this, then I can draft a "no take" letter to send out to you to complete consultation for these projects.

Thank you,

Noelle

--

Noelle L. Rayman-Metcalf
Endangered Species Biologist
U.S. Fish and Wildlife Service
New York Field Office
3817 Luker Rd.
Cortland, NY 13045
607-753-9334
noelle_rayman@fws.gov
<http://www.fws.gov/northeast/nyfo>

From: Smith, Steven C. <scsmith@GFNET.com>
Sent: Thursday, May 20, 2021 9:35 PM
To: Rayman, Noelle <noelle_rayman@fws.gov>
Subject: [EXTERNAL] SUEZ Archer Well Phase I Bog Turtle Report

This email has been received from outside of DOI - Use caution before clicking on links, opening attachments, or responding.

Dear Ms. Rayman-Metcalf,

Thank you for taking time last week to briefly discuss this project and the urgency to address the potential USFWS bog turtle conflicts identified by the IPaC for each project site.

Gannett Fleming is assisting SUEZ Water New York, Inc. (SUEZ) with five (5) projects located in Putnam County. Bog turtles are known to the county, therefore, a Phase I bog turtle habitat survey was conducted at each site during the wetland delineation fieldwork.

In late August 2020, the State of New York set a new standard of 10 ppt for perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS) in drinking water. In accordance with the new requirements, SUEZ took additional samples from its well water sources in October 2020. Those sites that tested above the new state standard remain well below the federal level of 70 ppt, but will require treatment to meet the new State requirements. SUEZ is working closely with the New York State

Department of Health (DOH) and the Putnam County Health Department to achieve compliance by installing advanced treatment.

SUEZ received a deferral from the DOH on January 7, 2021 for the implementation of treatment, recognizing the design, testing, permitting, construction and other activities will take time to complete. As part of the deferral process, SUEZ submitted a detailed action plan that will ensure that the water system will meet the new standard. SUEZ must comply with the DOH's requirement to address PFOA and PFOS by the compliance deadline of August 2022. The upgrades will require the replacement of the existing pumps, installing a new utility transformer, replacement of the electrical supply to the existing wells, and the placement of the new advanced treatment building on-site. The location of the advanced treatment building has been selected to avoid and minimize wetland impacts.

Because of the DOH's August 2022 deadline for PFOA and PFOS compliance, SUEZ has less than 15 months to design, obtain federal, state, and local permits, and construct the updates. Four of the five existing well and pump station sites are located adjacent to large DEC wetland complexes. These complexes are predominantly forested but do contain areas of fair to low quality bog turtle habitat within the 300-foot action area investigated as part of the wetland delineation fieldwork. SUEZ recognizes that Phase 2 bog turtle survey season ends in less than a month and plans to provide mitigation measures during construction, such as installation of exclusionary fencing between the wetlands and the project area. If, upon reviewing the Phase 1 reports, you determine that bog turtles are not likely present and not likely to be impacted, the mitigation measures could be waived upon consultation with you.

Please review the five Phase I reports and provide us with your recommendations at your earliest convenience.

Thank you in advance for your assistance with these critical projects. Please do not hesitate to contact me with any questions. I will be providing reports for four additional well sites in separate emails.

Regards,

Steve

Steven C. Smith | Environmental Scientist and Permit Coordinator

Gannett Fleming, Inc. | 207 Senate Avenue, Camp Hill, PA 17011 | **Company Telephone** 717.763.7211

Direct 717.886.5413 | **Mobile** 717.701.0279 | **Email** scsmith@gfnet.com

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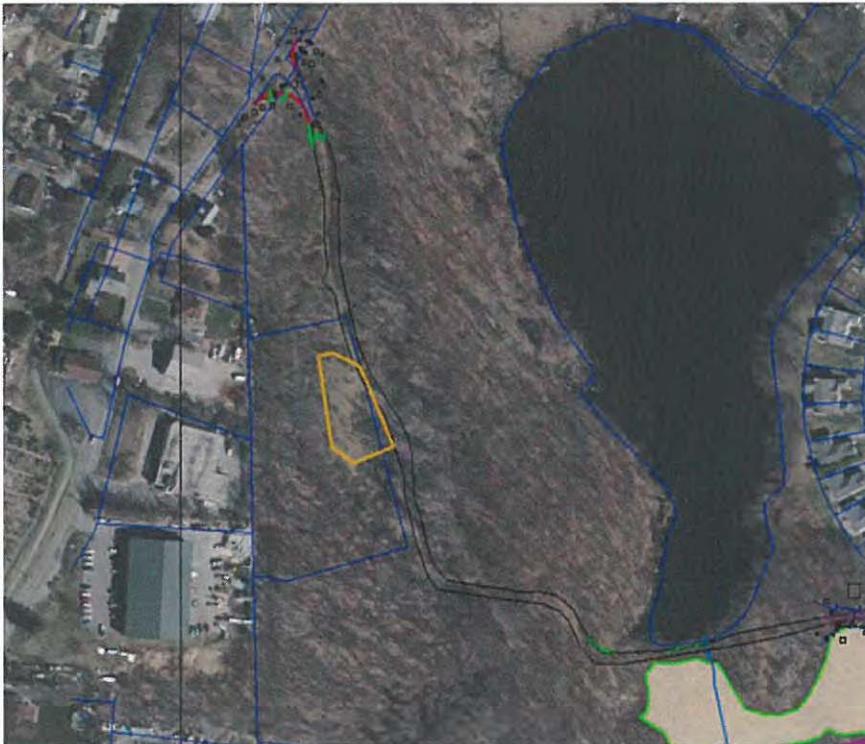
From: Smith, Steven C.
Sent: Friday, July 9, 2021 8:53 AM
To: Rayman, Noelle <noelle_rayman@fws.gov>
Subject: RE: [EXTERNAL] SUEZ Archer Well Phase I Bog Turtle Report

Good morning Noelle,

I have attached an email from the SUEZ project manager stating that they will agree to the tree cutting restriction at the five Putnam County Project Sites.

I also wanted to let you know that SUEZ proposes to clear an additional area at the Mahopac Site to use for staging and laydown of equipment and materials. They have very little land at the other sites that is either flat or not wetland so they plan to use this upland staging/laydown area to support to the other four project sites. The area outlined in yellow below is immediately adjacent to the access road for Mahopac, it has been cleared in the past and has less trees established than elsewhere along the access road (see the enlarged image below). This area is about 0.4 acres and will have some trees to be removed, but it is not all trees. Therefore, we should conservatively say that Mahopac will require 0.50 acre of tree removal (0.40 acre plus the previously identified 0.09 acre). SUEZ will agree to the seasonal tree cutting restriction for this area as well.

If you have all of the information that you require, please prepare the "no take" letter at your earliest convenience. Thanks again and have a great weekend.





Steven C. Smith | Environmental Scientist and Permit Coordinator
Gannett Fleming, Inc. | 207 Senate Avenue, Camp Hill, PA 17011 | **Company Telephone** 717.763.7211
Direct 717.886.5413 | **Mobile** 717.701.0279 | **Email** scsmith@gfnet.com
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From: Rayman, Noelle <noelle_rayman@fws.gov>
Sent: Thursday, July 8, 2021 2:01 PM
To: Smith, Steven C. <scsmith@GFNET.com>
Subject: Re: [EXTERNAL] SUEZ Archer Well Phase I Bog Turtle Report

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The time of year restriction is for anything above 3 inches dbh. I'll make a note about the Geymer cutting info - thank you!

--

Noelle L. Rayman-Metcalf

Endangered Species Biologist
U.S. Fish and Wildlife Service
New York Field Office
3817 Luker Rd.
Cortland, NY 13045
607-753-9334
noelle_rayman@fws.gov
<http://www.fws.gov/northeast/nyfo>

From: Smith, Steven C. <scsmith@GFNET.com>
Sent: Thursday, July 8, 2021 1:12 PM
To: Rayman, Noelle <noelle_rayman@fws.gov>
Subject: RE: [EXTERNAL] SUEZ Archer Well Phase I Bog Turtle Report

Noelle,

For Geymer, based on recent site surveys, we estimate 8 trees covering about 2,000 square feet (0.05 acre) will need to be cut.

The applicant is asking about the tree cutting restriction. Will that be for all trees or just those of a certain diameter that need to be cut from 10/1 to 3/31?

Thanks again.

Steven C. Smith | Environmental Scientist and Permit Coordinator
Gannett Fleming, Inc. | 207 Senate Avenue, Camp Hill, PA 17011 | **Company Telephone** 717.763.7211
Direct 717.886.5413 | **Mobile** 717.701.0279 | **Email** scsmith@gfnet.com
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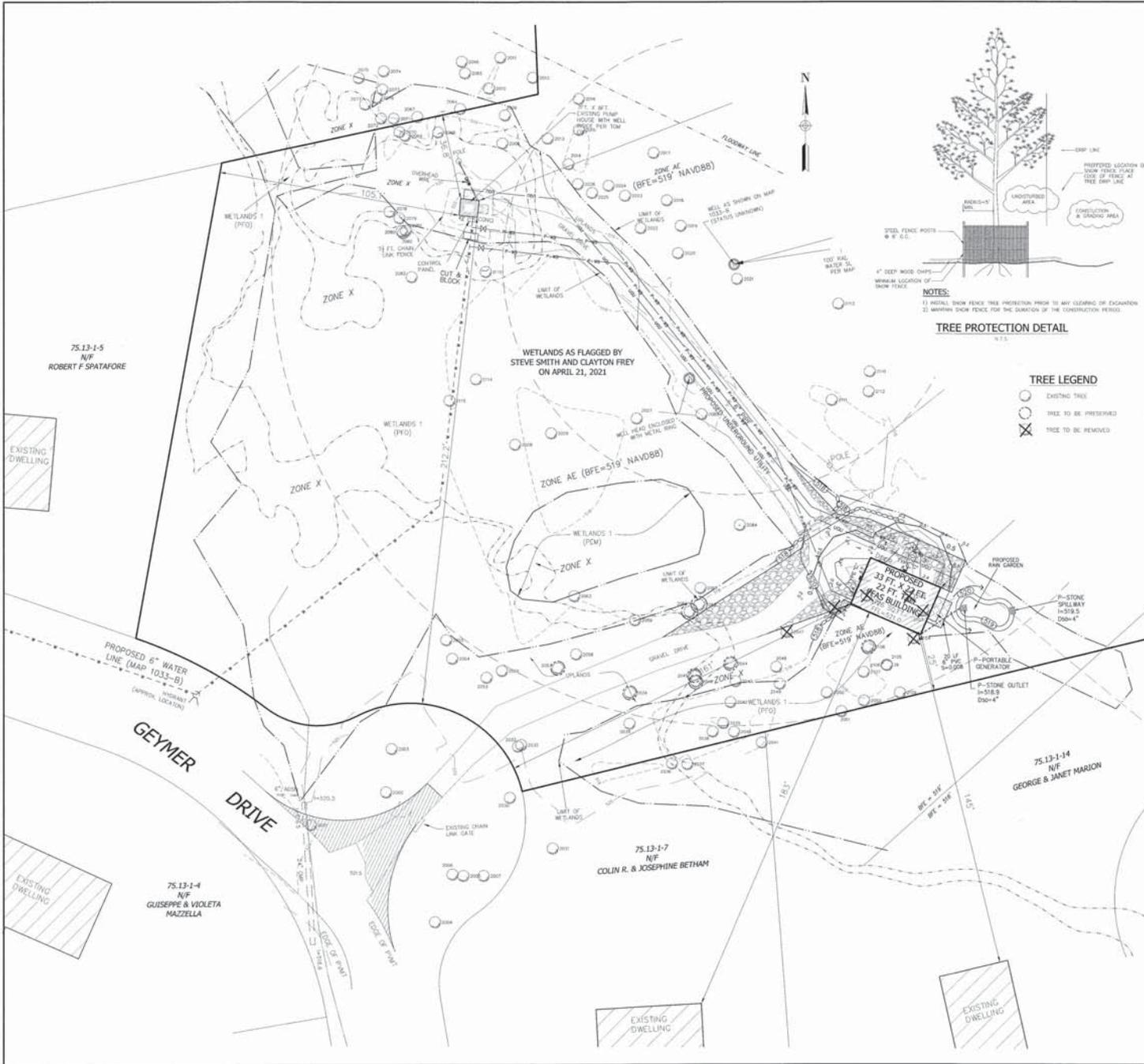
From: Rayman, Noelle <noelle_rayman@fws.gov>
Sent: Thursday, July 8, 2021 11:28 AM
To: Smith, Steven C. <scsmith@GFNET.com>
Subject: Re: [EXTERNAL] SUEZ Archer Well Phase I Bog Turtle Report

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Thank you and sounds good! Just let me know if you can estimate the amount of tree clearing for Geymer.

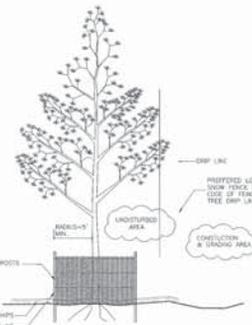
--

Noelle L. Rayman-Metcalf



TREE LIST

NO.	SIZE	DESCRIPTION	CONDITION	NO.	SIZE	DESCRIPTION	CONDITION
2001	10"	TWLN MAPLE	GOOD	2052	7"	MAPLE	GOOD
2002	30"	WILLOW	GOOD	2053	15"	GAK	GOOD
2003	6"	HICKORY	GOOD	2054	8"	TULIP	GOOD
2004	12"	MAPLE	GOOD	2055	23"	POPULAR	GOOD
2005	12"	MAPLE	GOOD	2056	10"	TWLN MAPLE	GOOD
2006	14"	GAK	POOR	2057	6"	TWLN ASH	POOR
2007	24"	MAPLE	GOOD	2058	37"	MAPLE	GOOD
2008	10"	BIRCH	POOR	2059	8"	QUAD MAPLE	GOOD
2009	10"	MAPLE	GOOD	2060	11"	MAPLE	GOOD
2010	15"	TWLN MAPLE	GOOD	2061	7"	MAPLE	GOOD
2011	6"	BIRCH	GOOD	2062	6"	ASH	GOOD
2012	6"	MAPLE	POOR	2063	8"	ELM	POOR
2013	12"	MAPLE	GOOD	2064	13"	TWLN MAPLE	GOOD
2014	15"	MAPLE	GOOD	2065	6"	ASH	POOR
2015	15"	MAPLE	POOR	2066	7"	MAPLE	POOR
2016	16"	MAPLE	GOOD	2067	14"	MAPLE	POOR
2017	10"	TWLN MAPLE	GOOD	2068	12"	GAK	GOOD
2018	9"	MAPLE	POOR	2069	7"	BIRCH	POOR
2019	7"	MAPLE	POOR	2070	10"	BIRCH	GOOD
2020	15"	MAPLE	POOR	2071	6"	MAPLE	POOR
2021	14"	MAPLE	GOOD	2072	7"	GAK	GOOD
2022	10"	MAPLE	GOOD	2073	11"	GAK	GOOD
2023	11"	MAPLE	GOOD	2074	6"	BIRCH	GOOD
2024	6"	HICKORY	GOOD	2075	10"	GAK	GOOD
2025	8"	TWLN BIRCH	GOOD	2076	7"	GAK	GOOD
2026	7"	TULIP	GOOD	2077	10"	MAPLE	GOOD
2027	11"	MAPLE	GOOD	2078	10"	MAPLE	GOOD
2028	10"	MAPLE	GOOD	2079	11"	GAK	GOOD
2029	8"	MAPLE	GOOD	2080	10"	TULIP	GOOD
2030	12"	TULIP	GOOD	2081	10"	MAPLE	GOOD
2031	30"	MAPLE	GOOD	2082	8"	MAPLE	GOOD
2032	7"	MAPLE	GOOD	2083	20"	MAPLE	GOOD
2033	10"	MAPLE	GOOD	2084	8"	QUAD MAPLE	GOOD
2034	7"	MAPLE	GOOD	2085	10"	MAPLE	GOOD
2035	24"	MAPLE	GOOD	2086	8"	MAPLE	GOOD
2036	17"	MAPLE	GOOD	2087	8"	MAPLE	GOOD
2037	14"	MAPLE	GOOD	2088	8"	MAPLE	GOOD
2038	8"	MAPLE	POOR	2089	8"	MAPLE	GOOD
2039	11"	ASH	POOR	2105	8"	MAPLE	GOOD
2040	7"	ASH	POOR	2106	9"	MAPLE	GOOD
2041	14"	MAPLE	GOOD	2107	9"	MAPLE	GOOD
2042	6"	MAPLE	POOR	2108	8"	TWLN MAPLE	GOOD
2043	6"	ASH	POOR	2109	8"	MAPLE	GOOD
2044	8"	TWLN ASH	POOR	2110	14"	TWLN MAPLE	GOOD
2045	11"	ASH	POOR	2111	9"	ELM	GOOD
2046	7"	ASH	POOR	2112	10"	HICKORY	GOOD
2048	12"	MAPLE	POOR	2113	10"	MAPLE	GOOD
2049	10"	TWLN MAPLE	POOR	2114	8"	MAPLE	POOR
2050	10"	TULIP	GOOD	2115	9"	HICKORY	POOR
2051	8"	MAPLE	GOOD	2116	18"	GAK	POOR



TREE LEGEND

- EXISTING TREE
- TREE TO BE PRESERVED
- ⊗ TREE TO BE REMOVED

RAB CONTACT INFORMATION
 DAMIAN SALES (732) 965-8866
 RAB LIGHTING (201) 901-8082



Luminaire Schedule

Symbol	City	Label	Arrangement	Total Lamp Lumens	LLP	Description	BUG Rating	
H	C	Z	SLIM12Y	SINGLE	N.A.	1000	Wall Mount	B1-U0-G0

REVISION	DATE	DESCRIPTION
2	11-19-21	REV PER IFC, 9-22-21
1	8-23-21	REV. FROM ELEM. & COMMENTS
1	8-23-21	PER TOWN ENGINEER COMMENTS RECD 8-2-21

ATZL NASHER & ZIGLER P.C.
 ENGINEERS-SURVEYORS-PLANNERS
 232 North Main Street
 New City, New York 10956
 Tel: (845) 634-6034
 Fax: (845) 634-5543
 E-mail: info@atzy.com
 Web: www.atzy.com

SUEZ WATER NEW YORK, INC.
 GEYMER WELL 1 & 2

TOWN OF CARMEL
 PUTNAM COUNTY, NEW YORK

TITLE: TREE & LIGHTING PLAN

DRAWN BY: UA CHECKED BY: JDB
 DATE: JULY 13, 2021 SCALE: 1" = 20' FT
 PROJECT NO: DRAWING NO:

4873 **6**

RYAN A. NASHER, P.E.
 N.Y.S. P.E. LIC. NO. 89066

JOHN R. ATZL
 N.Y.S. E.L.S. LIC. NO. 80228

CREAMER

J. FLETCHER CREAMER & SON, INC.

POWERED BY **API Group**

January 5th, 2022

Chairman Robert Laga and Members of the Town of Carmel
Environmental Conservation Board
60 McAlpin Avenue
Mathopac, NY 10541

RE: Chateau Well Site
59 Mcnair Dr
Mathopac, NY 10541
Tax Map #75.20-1-16
Tree Cutting Permit

Dear Chairman Laga and Environmental Conservation Board Members,

The tree cutting permit application is being submitted in anticipation of the proposed Chateau Well Site Building Permit. Due to bat regulations, we are only able to cut trees from October 1 - March 31. Usually, tree removal is covered under a building permit with the town of Carmel but since this project is a design-build, we are still finalizing the designs and have not applied for the building permit. The goal is to get the tree cutting permit approved before our official building permit so we can cut down trees in the designated months as to not affect bat habitats. The total land area involved with the anticipated tree removal is .05 acres. The applicant is proposing to remove 14 Maple and 2 Locust trees. A total of 16 trees are proposed to be removed that range in size from 7 inches in diameter to 24 inches in diameter. All trees to be removed have been clearly designated with paint.

Thank you,



David Rimland
Project Engineer | J. Fletcher Creamer & Son, Inc.
101 East Broadway | Hackensack, NJ 07601
C: 551-206-9945 D: 908-986-5693
WWW.JFCSON.COM

CREAMER

J. FLETCHER CREAMER & SON, INC.

POWERED BY **API Group**



101 East Broadway
Hackensack, NJ 07601-6851
Phone (201) 488-9800 | Fax (201) 488-2901
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ROBERT LAGA
Chairman

NICHOLAS FANNIN
Vice Chairman

RICHARD FRANZETTI
Wetland Inspector

ROSE TROMBETTA
Secretary

TOWN OF CARMEL
ENVIRONMENTAL CONSERVATION BOARD



60 McAlpin Avenue
Mahopac, New York 10541
Tel. (845) 628-1500 - Ext. 190
www.ci.carmel.ny.us

BOARD MEMBERS

Edward Barnett
Anthony Federice
Nicole Sedran

APPLICATION FOR A TREE CUTTING PERMIT

Name of Applicant: J. Fletcher Creamer & Sons

Address: 101 East Broadway, Hackensack NJ Tel. No. 551-206-9945

Owner of Property: Suez Water New York - 162 Old Mill Road, West Nyack 10944

Address: Site: 59 McNair Dr, Mathopac NY Tel. No. 201-538-0690

Tax Map Number: 75.20-1-16 Total Land Area Involved: 1.49 AC total Only .05 AC for Tree Cutting
Maple - 14

Number of trees of each species to be cut: Locust - 2 Range, in inches, of diameter, measured 4 & 1/2 feet
above the ground of the trees to be cut: 7-24"

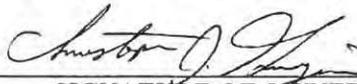
Total Board Foot Volume for each species to be cut: _____

A Sketch Map drawn to scale must be attached showing:

1. Boundaries of Property.
2. Access Roads into property and proposed roads and skid trails in the property.
3. Area within the property where cutting will occur.
4. Location and size of product loading areas.
5. Any area of the property defined as a wetland by the Town of Carmel Wetland Law.
6. If tree cutting operation is to be conducted in stages, each stage shall be shown on the sketch map.
7. Scale of map.

A written statement must be attached stating that each tree to be removed has been designated with paint or other distinctive means at two points so as to be readily visible. One point shall be low enough on the tree so as to be visible on the stump after the tree is removed.

Permit Fee is: - Up to 5 acres - \$500.00 - 5 to 25 acres - \$1,000.00 - Over 25 acres - \$1,500.00



SIGNATURE OF OWNER

Christopher Graziano - General Manager



SIGNATURE OF APPLICANT

David Rimland - Project Engineer

All property owners within 500 feet of the subject property must be notified by U.S. Mail prior to commencement of the operation.



United States Department of the Interior



FISH AND WILDLIFE SERVICE

New York Field Office

3817 Luker Road

Cortland, NY 13045

Phone: (607) 753-9334 Fax: (607) 753-9699

<http://www.fws.gov/northeast/nyfo>

To: Mr. Steven Smith

Date: July 20, 2021

USFWS File No: 21TA1384, 1386, 1387, 1389, and 1422

Regarding your: Letter Fax Email

Dated: May 19, 2021

For project: SUEZ-London Bridge, Chateau, Archer, Mahopac, and Geymer Wells

Located: various locations

In Town/County: Putnam County

Pursuant to the Endangered Species Act of 1973 (ESA) (87 Stat. 884, as amended; 16 U.S.C. 1531 *et seq.*), the U.S. Fish and Wildlife Service:

Acknowledges receipt of your "no effect" and/or no impact determination. No further ESA coordination or consultation is required.

Acknowledges receipt of your determination. Please provide a copy of your determination and supporting materials to any involved Federal agency for their final ESA determination.

Is taking no action pursuant to ESA or any legislation at this time, but would like to be kept informed of project developments.

As a reminder, until the proposed project is complete, we recommend that you check our website (<http://www.fws.gov/northeast/nyfo/es/section7.htm>) regularly from the date of this letter to ensure that listed species presence/absence information for the proposed project is current. Should project plans change or if additional information on listed or proposed species or critical habitat becomes available, this determination may be reconsidered.

USFWS Contact(s): Noelle Rayman-Metcalf

Supervisor: **IAN DREW** Digitally signed by IAN DREW
Date: 2021.07.20 13:57:17 -04'00' Date: _____

Endangered Species Biologist
U.S. Fish and Wildlife Service
New York Field Office
3817 Luker Rd.
Cortland, NY 13045
607-753-9334
noelle_rayman@fws.gov
<http://www.fws.gov/northeast/nyfo>

From: Smith, Steven C. <scsmith@GFNET.com>
Sent: Thursday, July 8, 2021 11:15 AM
To: Rayman, Noelle <noelle_rayman@fws.gov>
Subject: RE: [EXTERNAL] SUEZ Archer Well Phase I Bog Turtle Report

Noelle,

Thanks so much for the response. I really appreciate your assistance with these projects. The permits will be submitted to the DEC and USACE by the end of the month and should be issued by the wintertime so I think that tree clearing in the winter will not be a problem. We did not take a close look at the trees while doing the wetland and phase I bog turtle work but I assume that some of them would meet the criteria for suitable bat habitat (dbh, crevices, shedding bark, etc.). I will reach out to the project manager and client/applicant to have them confirm that tree clearing in the winter is acceptable. Despite what I said a month ago about Geymer, I would not assume that NO trees will be cut at Geymer so you should probably also require any tree cutting there to be done over winter. I will get you the confirmation that SUEZ will abide by the winter tree cutting requirement ASAP.

Thanks again.

Steve

Steven C. Smith | Environmental Scientist and Permit Coordinator
Gannett Fleming, Inc. | 207 Senate Avenue, Camp Hill, PA 17011 | **Company Telephone** 717.763.7211
Direct 717.886.5413 | **Mobile** 717.701.0279 | **Email** scsmith@gfnet.com
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From: Rayman, Noelle <noelle_rayman@fws.gov>
Sent: Thursday, July 8, 2021 11:03 AM
To: Smith, Steven C. <scsmith@GFNET.com>
Subject: Re: [EXTERNAL] SUEZ Archer Well Phase I Bog Turtle Report

[EXTERNAL EMAIL]: This email originated from outside the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good morning, Steve,

We are down a biologist in our program, so it is taking us longer to respond to projects. I have looked at the additional info provided - thank you! Please see my questions and/or comments below:

Chateau Well

- Wetland 1 does not look like all the criteria are met for suitable habitat, nor does wetland 2. I don't think any specific conservation measures for bog turtle are needed for this site.
- Approximately 2,143 sq ft of trees (or ~0.05 acre) are planned to be cleared. Do they exhibit suitable bat habitat? If they don't, clear anytime. If they do, then I recommend clearing them in the winter (Oct. 1 to Mar. 31) OR if just a couple trees are suitable, then a one-night emergence survey could be done. Let me know.

London Bridge

- Same as Chateau Well, it doesn't look like the suitable bog turtle habitat based on the photos. I don't think any specific conservation measures for bog turtle are needed for this site.
- Approximately 14,752 sq ft of trees (~0.34 ac) are planned to be cleared. I recommend clearing trees in the winter (Oct. 1 to Mar. 31) if trees contain suitable roosting habitat. I don't recommend emergence surveys for this site unless it's truly just 1 or 2 trees that end up being suitable.

Mahopac Well

- It also doesn't look like the suitable bog turtle habitat based on the photos. I don't think any specific conservation measures for bog turtle are needed for this site.
- Approximately 4,042 sq ft (~0.09 ac) of tree clearing is planned. With this smaller acreage, do any of the trees exhibit suitable bat habitat? If they don't, clear anytime. If they do, then I recommend cutting Oct. 1 to Mar. 31) OR if just a couple trees are suitable, then a one-night emergence survey could be done.

Geymer Well

- This wetland doesn't look like it contains suitable bog turtle habitat based on the photos. I don't think any specific conservation measures for bog turtle are needed for this site.
- No trees are planned to be cut here.

Archer Well

- This wetland doesn't look like it contains suitable bog turtle habitat based on the photos. I don't think any specific conservation measures for bog turtle are needed for this site.
- Approximately 25,882 sq ft of trees (~0.59 ac) are planned to be cleared. I recommend clearing trees in the winter (Oct. 1 to Mar. 31) if trees contain suitable roosting habitat.

All I need now is whether the project sponsor agrees to clearing trees in the winter (if suitable roosting habitat is present). Once I have this, then I can draft a "no take" letter to send out to you to complete consultation for these projects.

Thank you,

Noelle

--

Noelle L. Rayman-Metcalf
Endangered Species Biologist
U.S. Fish and Wildlife Service
New York Field Office
3817 Luker Rd.
Cortland, NY 13045
607-753-9334
noelle_rayman@fws.gov
<http://www.fws.gov/northeast/nyfo>

From: Smith, Steven C. <scsmith@GFNET.com>
Sent: Thursday, May 20, 2021 9:35 PM
To: Rayman, Noelle <noelle_rayman@fws.gov>
Subject: [EXTERNAL] SUEZ Archer Well Phase I Bog Turtle Report

This email has been received from outside of DOI - Use caution before clicking on links, opening attachments, or responding.

Dear Ms. Rayman-Metcalf,

Thank you for taking time last week to briefly discuss this project and the urgency to address the potential USFWS bog turtle conflicts identified by the IPaC for each project site.

Gannett Fleming is assisting SUEZ Water New York, Inc. (SUEZ) with five (5) projects located in Putnam County. Bog turtles are known to the county, therefore, a Phase I bog turtle habitat survey was conducted at each site during the wetland delineation fieldwork.

In late August 2020, the State of New York set a new standard of 10 ppt for perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS) in drinking water. In accordance with the new requirements, SUEZ took additional samples from its well water sources in October 2020. Those sites that tested above the new state standard remain well below the federal level of 70 ppt, but will require treatment to meet the new State requirements. SUEZ is working closely with the New York State

Department of Health (DOH) and the Putnam County Health Department to achieve compliance by installing advanced treatment.

SUEZ received a deferral from the DOH on January 7, 2021 for the implementation of treatment, recognizing the design, testing, permitting, construction and other activities will take time to complete. As part of the deferral process, SUEZ submitted a detailed action plan that will ensure that the water system will meet the new standard. SUEZ must comply with the DOH's requirement to address PFOA and PFOS by the compliance deadline of August 2022. The upgrades will require the replacement of the existing pumps, installing a new utility transformer, replacement of the electrical supply to the existing wells, and the placement of the new advanced treatment building on-site. The location of the advanced treatment building has been selected to avoid and minimize wetland impacts.

Because of the DOH's August 2022 deadline for PFOA and PFOS compliance, SUEZ has less than 15 months to design, obtain federal, state, and local permits, and construct the updates. Four of the five existing well and pump station sites are located adjacent to large DEC wetland complexes. These complexes are predominantly forested but do contain areas of fair to low quality bog turtle habitat within the 300-foot action area investigated as part of the wetland delineation fieldwork. SUEZ recognizes that Phase 2 bog turtle survey season ends in less than a month and plans to provide mitigation measures during construction, such as installation of exclusionary fencing between the wetlands and the project area. If, upon reviewing the Phase 1 reports, you determine that bog turtles are not likely present and not likely to be impacted, the mitigation measures could be waived upon consultation with you.

Please review the five Phase I reports and provide us with your recommendations at your earliest convenience.

Thank you in advance for your assistance with these critical projects. Please do not hesitate to contact me with any questions. I will be providing reports for four additional well sites in separate emails.

Regards,

Steve

Steven C. Smith | Environmental Scientist and Permit Coordinator
Gannett Fleming, Inc. | 207 Senate Avenue, Camp Hill, PA 17011 | **Company Telephone** 717.763.7211
Direct 717.886.5413 | **Mobile** 717.701.0279 | **Email** scsmith@gfnet.com
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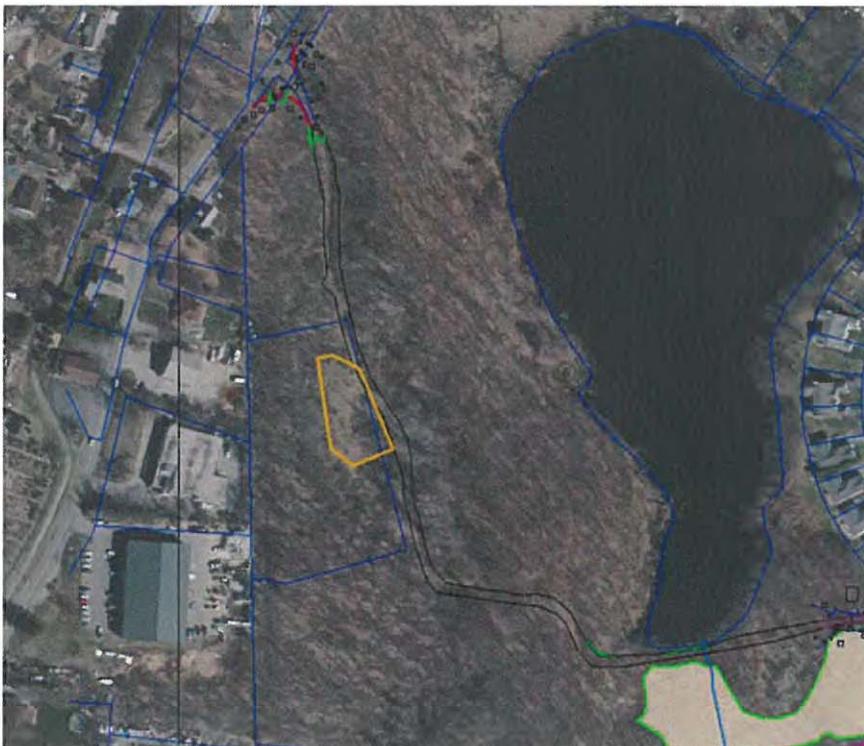
From: Smith, Steven C.
Sent: Friday, July 9, 2021 8:53 AM
To: Rayman, Noelle <noelle_rayman@fws.gov>
Subject: RE: [EXTERNAL] SUEZ Archer Well Phase I Bog Turtle Report

Good morning Noelle,

I have attached an email from the SUEZ project manager stating that they will agree to the tree cutting restriction at the five Putnam County Project Sites.

I also wanted to let you know that SUEZ proposes to clear an additional area at the Mahopac Site to use for staging and laydown of equipment and materials. They have very little land at the other sites that is either flat or not wetland so they plan to use this upland staging/laydown area to support to the other four project sites. The area outlined in yellow below is immediately adjacent to the access road for Mahopac, it has been cleared in the past and has less trees established than elsewhere along the access road (see the enlarged image below). This area is about 0.4 acres and will have some trees to be removed, but it is not all trees. Therefore, we should conservatively say that Mahopac will require 0.50 acre of tree removal (0.40 acre plus the previously identified 0.09 acre). SUEZ will agree to the seasonal tree cutting restriction for this area as well.

If you have all of the information that you require, please prepare the "no take" letter at your earliest convenience. Thanks again and have a great weekend.





Steven C. Smith | Environmental Scientist and Permit Coordinator
Gannett Fleming, Inc. | 207 Senate Avenue, Camp Hill, PA 17011 | **Company Telephone** 717.763.7211
Direct 717.886.5413 | **Mobile** 717.701.0279 | **Email** scsmith@gfnet.com
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From: Rayman, Noelle <noelle_rayman@fws.gov>
Sent: Thursday, July 8, 2021 2:01 PM
To: Smith, Steven C. <scsmith@GFNET.com>
Subject: Re: [EXTERNAL] SUEZ Archer Well Phase I Bog Turtle Report

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The time of year restriction is for anything above 3 inches dbh. I'll make a note about the Geymer cutting info - thank you!

--

Noelle L. Rayman-Metcalf

Endangered Species Biologist
U.S. Fish and Wildlife Service
New York Field Office
3817 Luker Rd.
Cortland, NY 13045
607-753-9334
noelle_rayman@fws.gov
<http://www.fws.gov/northeast/nyfo>

From: Smith, Steven C. <scsmith@GFNET.com>
Sent: Thursday, July 8, 2021 1:12 PM
To: Rayman, Noelle <noelle_rayman@fws.gov>
Subject: RE: [EXTERNAL] SUEZ Archer Well Phase I Bog Turtle Report

Noelle,

For Geymer, based on recent site surveys, we estimate 8 trees covering about 2,000 square feet (0.05 acre) will need to be cut.

The applicant is asking about the tree cutting restriction. Will that be for all trees or just those of a certain diameter that need to be cut from 10/1 to 3/31?

Thanks again.

Steven C. Smith | Environmental Scientist and Permit Coordinator
Gannett Fleming, Inc. | 207 Senate Avenue, Camp Hill, PA 17011 | **Company Telephone** 717.763.7211
Direct 717.886.5413 | **Mobile** 717.701.0279 | **Email** scsmith@gfnet.com
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From: Rayman, Noelle <noelle_rayman@fws.gov>
Sent: Thursday, July 8, 2021 11:28 AM
To: Smith, Steven C. <scsmith@GFNET.com>
Subject: Re: [EXTERNAL] SUEZ Archer Well Phase I Bog Turtle Report

[EXTERNAL EMAIL]: This email originated from outside the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Thank you and sounds good! Just let me know if you can estimate the amount of tree clearing for Geymer.

--
Noelle L. Rayman-Metcalf

CREAMER

J. FLETCHER CREAMER & SON, INC.

POWERED BY **API** GROUP

January 5th, 2022

Chairman Robert Laga and Members of the Town of Carmel
Environmental Conservation Board
60 McAlpin Avenue
Mathopac, NY 10541

RE: Mathopac Well Site
Behind 34 Coventry Circle
Mathopac, NY 10541
Tax Map #75.20-2-68
Tree Cutting Permit

Dear Chairman Laga and Environmental Conservation Board Members,

The tree cutting permit application is being submitted in anticipation of the proposed Mathopac Well Site Building Permit. Due to bat regulations, we are only able to cut trees from October 1 - March 31. Usually, tree removal is covered under a building permit with the town of Carmel but since this project is a design-build, we are still finalizing the designs and have not applied for the building permit. The goal is to get the tree cutting permit approved before our official building permit so we can cut down trees in the designated months as to not affect bat habitats. The total land area involved with the anticipated tree removal is .09 acres. The applicant is proposing to remove 4 Maple, 2 Ash, 1 Oak, 3 Beech and 4 Poplar trees. A total of 14 trees are proposed to be removed that range in size from 6 inches in diameter to 24 inches in diameter. All trees to be removed have been clearly designated with paint.

Thank you,



David Rimland
Project Engineer | J. Fletcher Creamer & Son, Inc.
101 East Broadway | Hackensack, NJ 07601
C: 551-206-9945 D: 908-986-5693
WWW.JFCSON.COM

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ROBERT LAGA
Chairman

NICHOLAS FANNIN
Vice Chairman

RICHARD FRANZETTI
Wetland Inspector

ROSE TROMBETTA
Secretary

TOWN OF CARMEL
ENVIRONMENTAL CONSERVATION BOARD



60 McAlpin Avenue
Mahopac, New York 10541
Tel. (845) 628-1500 - Ext. 190
www.ci.carmel.ny.us

BOARD MEMBERS

Edward Barnett
Anthony Federice
Nicole Sedran

APPLICATION FOR A TREE CUTTING PERMIT

Name of Applicant: J. Fletcher Creamer & Sons

Address: 101 East Broadway, Hackensack NJ Tel. No. 551-206-9945

Owner of Property: Suez Water New York - 162 Old Mill Road, West Nyack 10944

Address: Site: Behind 34 Coventry Circle Tel. No. 201-538-0690

Tax Map Number: 75.20-2-68 Total Land Area Involved: 53.50 AC total Only .09 AC for Tree Cutting

Number of trees of each species to be cut:

Maple - 4	Range, in inches, of diameter, measured 4 & 1/2 feet
Ash - 2	
Oak - 1	
Beech - 3	

 above the ground of the trees to be cut: Poplar - 4 6-24"

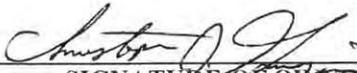
Total Board Foot Volume for each species to be cut: _____

A Sketch Map drawn to scale must be attached showing:

1. Boundaries of Property.
2. Access Roads into property and proposed roads and skid trails in the property.
3. Area within the property where cutting will occur.
4. Location and size of product loading areas.
5. Any area of the property defined as a wetland by the Town of Carmel Wetland Law.
6. If tree cutting operation is to be conducted in stages, each stage shall be shown on the sketch map.
7. Scale of map.

A written statement must be attached stating that each tree to be removed has been designated with paint or other distinctive means at two points so as to be readily visible. One point shall be low enough on the tree so as to be visible on the stump after the tree is removed.

Permit Fee is: - Up to 5 acres - \$500.00 - 5 to 25 acres - \$1,000.00 - Over 25 acres - \$1,500.00



SIGNATURE OF OWNER
Christopher Graziano - General Manager



SIGNATURE OF APPLICANT
David Rimland - Project Engineer

All property owners within 500 feet of the subject property must be notified by U.S. Mail prior to commencement of the operation.



United States Department of the Interior



FISH AND WILDLIFE SERVICE

New York Field Office

3817 Luker Road

Cortland, NY 13045

Phone: (607) 753-9334 Fax: (607) 753-9699

http://www.fws.gov/northeast/nyfo

To: Mr. Steven Smith

Date: July 20, 2021

USFWS File No: 21TA1384, 1386, 1387, 1389, and 1422

Regarding your: Letter Fax Email

Dated: May 19, 2021

For project: SUEZ-London Bridge, Chateau, Archer, Mahopac, and Geymer Wells

Located: various locations

In Town/County: Putnam County

Pursuant to the Endangered Species Act of 1973 (ESA) (87 Stat. 884, as amended; 16 U.S.C. 1531 *et seq.*), the U.S. Fish and Wildlife Service:

Acknowledges receipt of your "no effect" and/or no impact determination. No further ESA coordination or consultation is required.

Acknowledges receipt of your determination. Please provide a copy of your determination and supporting materials to any involved Federal agency for their final ESA determination.

Is taking no action pursuant to ESA or any legislation at this time, but would like to be kept informed of project developments.

As a reminder, until the proposed project is complete, we recommend that you check our website (<http://www.fws.gov/northeast/nyfo/es/section7.htm>) regularly from the date of this letter to ensure that listed species presence/absence information for the proposed project is current. Should project plans change or if additional information on listed or proposed species or critical habitat becomes available, th s determination may be reconsidered.

USFWS Contact(s): Noelle Rayman-Metcalf

Supervisor: **IAN DREW** Digitally signed by IAN DREW
Date: 2021.07.20 13:57:17 -04'00' Date: _____

Endangered Species Biologist
U.S. Fish and Wildlife Service
New York Field Office
3817 Luker Rd.
Cortland, NY 13045
607-753-9334
noelle_rayman@fws.gov
<http://www.fws.gov/northeast/nyfo>

From: Smith, Steven C. <scsmith@GFNET.com>
Sent: Thursday, July 8, 2021 11:15 AM
To: Rayman, Noelle <noelle_rayman@fws.gov>
Subject: RE: [EXTERNAL] SUEZ Archer Well Phase I Bog Turtle Report

Noelle,

Thanks so much for the response. I really appreciate your assistance with these projects. The permits will be submitted to the DEC and USACE by the end of the month and should be issued by the wintertime so I think that tree clearing in the winter will not be a problem. We did not take a close look at the trees while doing the wetland and phase I bog turtle work but I assume that some of them would meet the criteria for suitable bat habitat (dbh, crevices, shedding bark, etc.). I will reach out to the project manager and client/applicant to have them confirm that tree clearing in the winter is acceptable. Despite what I said a month ago about Geymer, I would not assume that NO trees will be cut at Geymer so you should probably also require any tree cutting there to be done over winter. I will get you the confirmation that SUEZ will abide by the winter tree cutting requirement ASAP.

Thanks again.

Steve

Steven C. Smith | Environmental Scientist and Permit Coordinator
Gannett Fleming, Inc. | 207 Senate Avenue, Camp Hill, PA 17011 | **Company Telephone** 717.763.7211
Direct 717.886.5413 | **Mobile** 717.701.0279 | **Email** scsmith@gfnet.com
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From: Rayman, Noelle <noelle_rayman@fws.gov>
Sent: Thursday, July 8, 2021 11:03 AM
To: Smith, Steven C. <scsmith@GFNET.com>
Subject: Re: [EXTERNAL] SUEZ Archer Well Phase I Bog Turtle Report

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Good morning, Steve,

We are down a biologist in our program, so it is taking us longer to respond to projects. I have looked at the additional info provided - thank you! Please see my questions and/or comments below:

Chateau Well

- Wetland 1 does not look like all the criteria are met for suitable habitat, nor does wetland 2. I don't think any specific conservation measures for bog turtle are needed for this site.
- Approximately 2,143 sq ft of trees (or ~0.05 acre) are planned to be cleared. Do they exhibit suitable bat habitat? If they don't, clear anytime. If they do, then I recommend clearing them in the winter (Oct. 1 to Mar. 31) OR if just a couple trees are suitable, then a one-night emergence survey could be done. Let me know.

London Bridge

- Same as Chateau Well, it doesn't look like the suitable bog turtle habitat based on the photos. I don't think any specific conservation measures for bog turtle are needed for this site.
- Approximately 14,752 sq ft of trees (~0.34 ac) are planned to be cleared. I recommend clearing trees in the winter (Oct. 1 to Mar. 31) if trees contain suitable roosting habitat. I don't recommend emergence surveys for this site unless it's truly just 1 or 2 trees that end up being suitable.

Mahopac Well

- It also doesn't look like the suitable bog turtle habitat based on the photos. I don't think any specific conservation measures for bog turtle are needed for this site.
- Approximately 4,042 sq ft (~0.09 ac) of tree clearing is planned. With this smaller acreage, do any of the trees exhibit suitable bat habitat? If they don't, clear anytime. If they do, then I recommend cutting Oct. 1 to Mar. 31) OR if just a couple trees are suitable, then a one-night emergence survey could be done.

Geymer Well

- This wetland doesn't look like it contains suitable bog turtle habitat based on the photos. I don't think any specific conservation measures for bog turtle are needed for this site.
- No trees are planned to be cut here.

Archer Well

- This wetland doesn't look like it contains suitable bog turtle habitat based on the photos. I don't think any specific conservation measures for bog turtle are needed for this site.
- Approximately 25,882 sq ft of trees (~0.59 ac) are planned to be cleared. I recommend clearing trees in the winter (Oct. 1 to Mar. 31) if trees contain suitable roosting habitat.

All I need now is whether the project sponsor agrees to clearing trees in the winter (if suitable roosting habitat is present). Once I have this, then I can draft a "no take" letter to send out to you to complete consultation for these projects.

Thank you,

Noelle

--

Noelle L. Rayman-Metcalf
Endangered Species Biologist
U.S. Fish and Wildlife Service
New York Field Office
3817 Luker Rd.
Cortland, NY 13045
607-753-9334
noelle_rayman@fws.gov
<http://www.fws.gov/northeast/nyfo>

From: Smith, Steven C. <scsmith@GFNET.com>
Sent: Thursday, May 20, 2021 9:35 PM
To: Rayman, Noelle <noelle_rayman@fws.gov>
Subject: [EXTERNAL] SUEZ Archer Well Phase I Bog Turtle Report

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Dear Ms. Rayman-Metcalf,

Thank you for taking time last week to briefly discuss this project and the urgency to address the potential USFWS bog turtle conflicts identified by the IPaC for each project site.

Gannett Fleming is assisting SUEZ Water New York, Inc. (SUEZ) with five (5) projects located in Putnam County. Bog turtles are known to the county, therefore, a Phase I bog turtle habitat survey was conducted at each site during the wetland delineation fieldwork.

In late August 2020, the State of New York set a new standard of 10 ppt for perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS) in drinking water. In accordance with the new requirements, SUEZ took additional samples from its well water sources in October 2020. Those sites that tested above the new state standard remain well below the federal level of 70 ppt, but will require treatment to meet the new State requirements. SUEZ is working closely with the New York State

Department of Health (DOH) and the Putnam County Health Department to achieve compliance by installing advanced treatment.

SUEZ received a deferral from the DOH on January 7, 2021 for the implementation of treatment, recognizing the design, testing, permitting, construction and other activities will take time to complete. As part of the deferral process, SUEZ submitted a detailed action plan that will ensure that the water system will meet the new standard. SUEZ must comply with the DOH's requirement to address PFOA and PFOS by the compliance deadline of August 2022. The upgrades will require the replacement of the existing pumps, installing a new utility transformer, replacement of the electrical supply to the existing wells, and the placement of the new advanced treatment building on-site. The location of the advanced treatment building has been selected to avoid and minimize wetland impacts.

Because of the DOH's August 2022 deadline for PFOA and PFOS compliance, SUEZ has less than 15 months to design, obtain federal, state, and local permits, and construct the updates. Four of the five existing well and pump station sites are located adjacent to large DEC wetland complexes. These complexes are predominantly forested but do contain areas of fair to low quality bog turtle habitat within the 300-foot action area investigated as part of the wetland delineation fieldwork. SUEZ recognizes that Phase 2 bog turtle survey season ends in less than a month and plans to provide mitigation measures during construction, such as installation of exclusionary fencing between the wetlands and the project area. If, upon reviewing the Phase 1 reports, you determine that bog turtles are not likely present and not likely to be impacted, the mitigation measures could be waived upon consultation with you.

Please review the five Phase I reports and provide us with your recommendations at your earliest convenience.

Thank you in advance for your assistance with these critical projects. Please do not hesitate to contact me with any questions. I will be providing reports for four additional well sites in separate emails.

Regards,

Steve

Steven C. Smith | Environmental Scientist and Permit Coordinator

Gannett Fleming, Inc. | 207 Senate Avenue, Camp Hill, PA 17011 | **Company Telephone** 717.763.7211

Direct 717.886.5413 | **Mobile** 717.701.0279 | **Email** scsmith@gfnet.com

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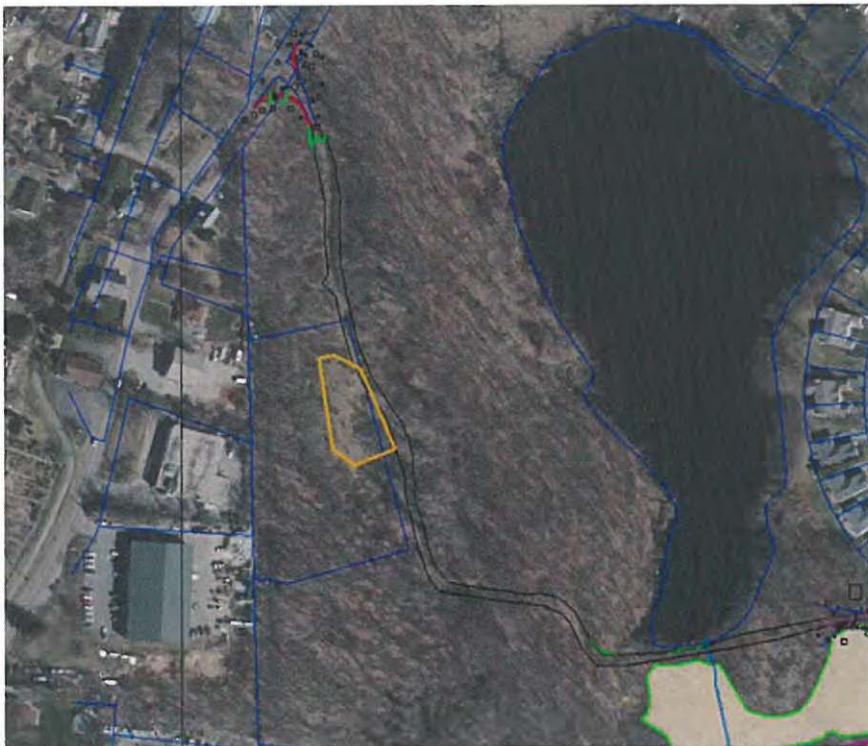
From: Smith, Steven C.
Sent: Friday, July 9, 2021 8:53 AM
To: Rayman, Noelle <noelle_rayman@fws.gov>
Subject: RE: [EXTERNAL] SUEZ Archer Well Phase I Bog Turtle Report

Good morning Noelle,

I have attached an email from the SUEZ project manager stating that they will agree to the tree cutting restriction at the five Putnam County Project Sites.

I also wanted to let you know that SUEZ proposes to clear an additional area at the Mahopac Site to use for staging and laydown of equipment and materials. They have very little land at the other sites that is either flat or not wetland so they plan to use this upland staging/laydown area to support to the other four project sites. The area outlined in yellow below is immediately adjacent to the access road for Mahopac, it has been cleared in the past and has less trees established than elsewhere along the access road (see the enlarged image below). This area is about 0.4 acres and will have some trees to be removed, but it is not all trees. Therefore, we should conservatively say that Mahopac will require 0.50 acre of tree removal (0.40 acre plus the previously identified 0.09 acre). SUEZ will agree to the seasonal tree cutting restriction for this area as well.

If you have all of the information that you require, please prepare the "no take" letter at your earliest convenience. Thanks again and have a great weekend.





Steven C. Smith | Environmental Scientist and Permit Coordinator
Gannett Fleming, Inc. | 207 Senate Avenue, Camp Hill, PA 17011 | **Company Telephone** 717.763.7211
Direct 717.886.5413 | **Mobile** 717.701.0279 | **Email** scsmith@gfnet.com
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From: Rayman, Noelle <noelle_rayman@fws.gov>
Sent: Thursday, July 8, 2021 2:01 PM
To: Smith, Steven C. <scsmith@GFNET.com>
Subject: Re: [EXTERNAL] SUEZ Archer Well Phase I Bog Turtle Report

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The time of year restriction is for anything above 3 inches dbh. I'll make a note about the Geymer cutting info - thank you!

--

Noelle L. Rayman-Metcalf

Endangered Species Biologist
U.S. Fish and Wildlife Service
New York Field Office
3817 Luker Rd.
Cortland, NY 13045
607-753-9334
noelle_rayman@fws.gov
<http://www.fws.gov/northeast/nyfo>

From: Smith, Steven C. <scsmith@GFNET.com>
Sent: Thursday, July 8, 2021 1:12 PM
To: Rayman, Noelle <noelle_rayman@fws.gov>
Subject: RE: [EXTERNAL] SUEZ Archer Well Phase I Bog Turtle Report

Noelle,

For Geymer, based on recent site surveys, we estimate 8 trees covering about 2,000 square feet (0.05 acre) will need to be cut.

The applicant is asking about the tree cutting restriction. Will that be for all trees or just those of a certain diameter that need to be cut from 10/1 to 3/31?

Thanks again.

Steven C. Smith | Environmental Scientist and Permit Coordinator
Gannett Fleming, Inc. | 207 Senate Avenue, Camp Hill, PA 17011 | **Company Telephone** 717.763.7211
Direct 717.886.5413 | **Mobile** 717.701.0279 | **Email** scsmith@gfnet.com
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From: Rayman, Noelle <noelle_rayman@fws.gov>
Sent: Thursday, July 8, 2021 11:28 AM
To: Smith, Steven C. <scsmith@GFNET.com>
Subject: Re: [EXTERNAL] SUEZ Archer Well Phase I Bog Turtle Report

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Thank you and sounds good! Just let me know if you can estimate the amount of tree clearing for Geymer.

--

Noelle L. Rayman-Metcalf

