



Pat Brennan <pbrennan@amoryengineers.com>

TOWN CLERK, ROCKLAND
MAR 1 '22 PM 12:52**RE: Rockland - 0 Wilson Street Zone A Tributary Site Review**

2 messages

Friend, Richard (DEP) <richard.friend@state.ma.us> Tue, Jun 15, 2021 at 8:39 AM
 To: Lori Macdonald <LMacDonald@coneco.com>, "Bouck, Bruce (DEP)" <bruce.bouck@state.ma.us>, "PBrennan@amoryengineers.com" <PBrennan@amoryengineers.com>
 Cc: Michael Toohill <mtoohill@coneco.com>, "Christopher M. Lucas (cml@lucasenvironmental.net)" <cml@lucasenvironmental.net>, "conservation@rockland-ma.gov" <conservation@rockland-ma.gov>, "MNover@BETA-Inc.com" <MNover@beta-inc.com>, "sco@h2olsonengineering.com" <sco@h2olsonengineering.com>, "jlapointe@abrockwater.com" <jlapointe@abrockwater.com>

I mistyped Patrick's email. If replying to this email, use this version with the correct spelling in the "To" address line.

Sorry Patrick.

From: Friend, Richard (DEP)
Sent: Tuesday, June 15, 2021 8:32 AM
To: Lori Macdonald <LMacDonald@Coneco.com>; Bouck, Bruce (DEP) <bruce.bouck@mass.gov>
Cc: Michael Toohill <mtoohill@Coneco.com>; Christopher M. Lucas (cml@lucasenvironmental.net) <cml@lucasenvironmental.net>; conservation@rockland-ma.gov; pbrennan@amoryengineers.com; MNover@BETA-Inc.com; sco@h2olsonengineering.com; jlapointe@abrockwater.com
Subject: Rockland - 0 Wilson Street Zone A Tributary Site Review

On Friday, June 11, 2021 MassDEP drinking water program staff Bruce Bouck and Richard Friend conducted an on-site Zone A tributary review of property at the western end of Wilson Street in Rockland (0 Wilson Street). The tributary review was requested by Coneco consultants whose client, Shinglemill LLC, is in the planning stages of developing residential units on the property. Previously, Coneco had questioned whether tributaries on the property fed the Hingham Street Reservoir. A site visit on April 14, 2021 revealed that the tributaries discharge to the reservoir and therefore the Zone A above the reservoirs are valid. This is documented in an email dated April 15, 2021 I sent to interested parties.

Following the April 14 site visit, Coneco asserted that portions of the tributaries on the 0 Wilson Street property, which are shown as continuous in MassGIS and from which the Zone A is delineated, were in fact partially discontinuous and therefore should not all be included in the Zone A. Coneco flagged and mapped their assessment of the location of the stream channels; they shared their map showing these locations during the site visit. The June 11 site visit was requested by Coneco to determine if MassDEP staff agreed with their assessment.

Present at the June 11, 2021 site visit:

Bruce Bouck, MassDEP Drinking Water Program, Boston

Richard Friend, MassDEP Drinking Water Program, Boston

Chris Lucas, Lucas Environmental

Mike Toohill, Coneco

Laurie Macdonald, Coneco

Pat Brennan, Amory Engineering (representing the Rockland Zoning Commission)

Marta Nover, Beta Group (representing the Rockland Conservation Commission)

Lorraine Pratt, Rockland Conservation Commission

Stephen Olson, H2Olson Engineering (representing Abington-Rockland Joint Water Works)

Below is a map showing the property; the aerial photo is 2019 USGS Color Ortho Imagery. There are three tributaries on the property, all of which have Zone A's due to the connection to the Hingham Street Reservoir to the southwest. For purposes of this email, they are labeled Trib A, B, and C.

Tributary A: Although Coneco believed that the upper reaches of Trib A are not connected to more downstream portions, DEP staff did not observe a break in the channels, which contained water at the time of the site visit. Everywhere we looked at this tributary, we observed water in an unbroken channel. Although water was not visibly flowing on the day of the site visit, it was clear that water would flow in these channels under wetter conditions, and had recently contained significantly more water, presumably after the heavy Memorial Day weekend three day rain event. DEP staff will not change Tributary A.

Tributary B: It was unclear during the site visit if the starting point of Trib B is located as shown in MassGIS. Although standing water was observed, the vegetation was very heavy and dense, making observations of a continuous channel difficult. A small flow of water was observed flowing from a culvert to the approximate existing starting point of the stream, but was not observed flowing further. Coneco mapped what they believe is the start of Trib B at a point further to the west. The red ellipse on the map below shows the approximate location. Bruce Bouck, Laurie Macdonald and Chris Lucas attempted to find a definitive starting point of Trib B, but dense foliage prevented this. Coneco reports having observed the starting point earlier in the season and will forward their observations and data to MassDEP.

Tributary C: Tributary C was not in question, and was not visited.

MassDEP's conclusion is that Tribs A and C will remain as they are. The location and upstream extent of Trib B is still uncertain. MassDEP will review data which will be provided by Coneco and/or Lucas Environmental. Future field observations may be made immediately following a large rain event and/or when the leaf cover is gone.

The blue star northeast of "Trib C" is a vernal pool.



Richard Friend

MassDEP Drinking Water Program

Boston

Pat Brennan <pbrennan@amoryengineers.com>
To: rob rosa <robert.rosa38@gmail.com>
Cc: "Robert W. Galvin" <rwgalvin@comcast.net>

Tue, Jun 15, 2021 at 8:43 AM

Rob,

The email below from DEP summarizes the discussions and results of the site walk on June 11, 2021.

Pat

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