



MEMORANDUM

To: Town of Ogunquit, Maine DEP
From: Laura Diemer & Logan Cline, FBE
Subject: **Ogunquit Smoke Tests 2014**
Date: November 13, 2014
Cc: Emily DiFranco, FBE

1. Kingfield Ave Smoke Test [10/3/14]

Staff Present from FBE: LD, WB, LC

Staff Present from Ogunquit: Matt Chadbourne, Phil Pickering, Chris St. Pierre

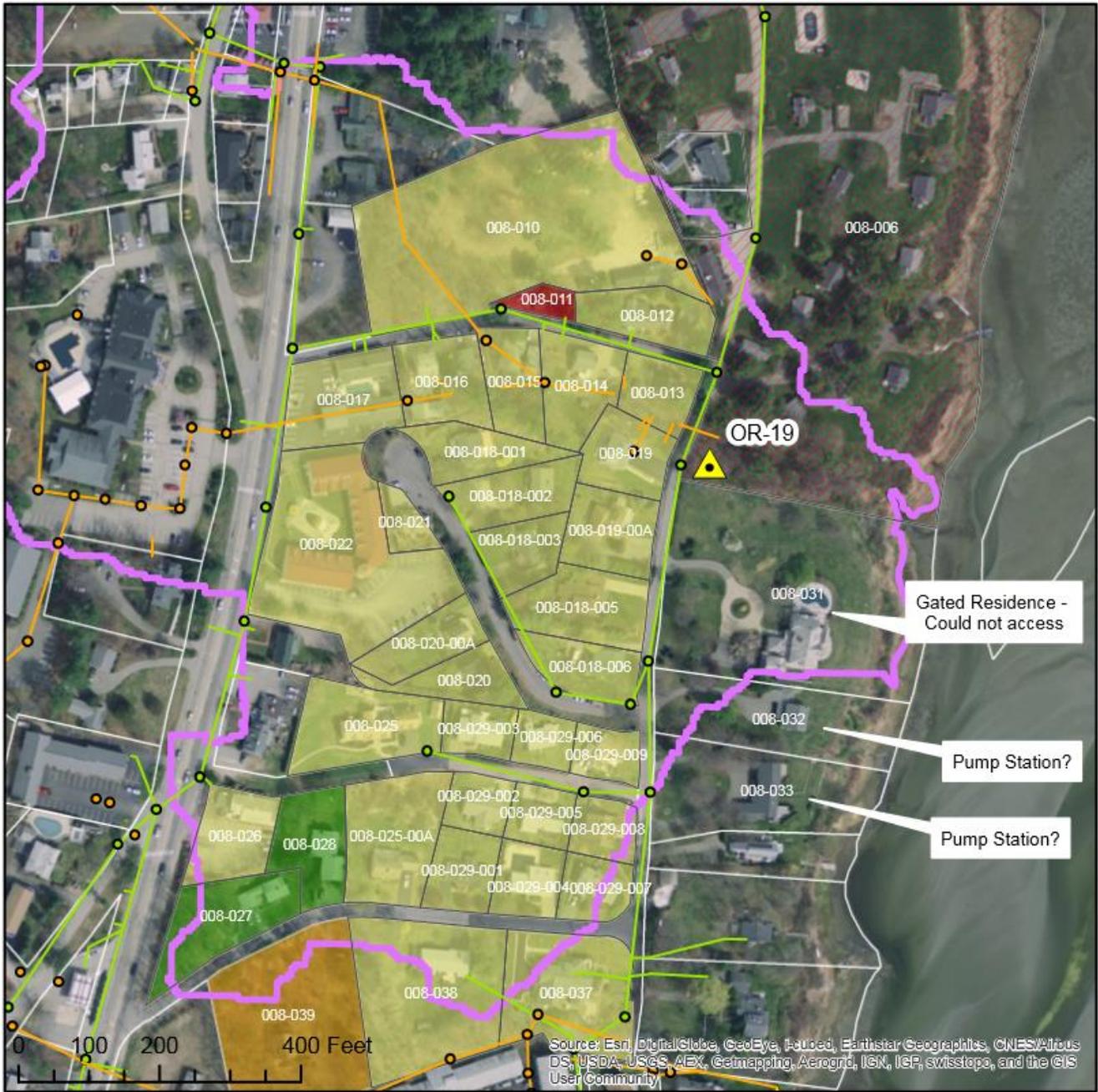
The sewer system along Kingfield Avenue, Grasshopper Lane, Belm Lane, and Maxwell Acres Road was smoked by the Ogunquit Sewer Department in an effort to check building connections within the OR-19 stormwater outfall drainage east of Route 1. Generally, most parcels showed smoke coming out of the building stacks as expected with only a few exceptions (see map on next page).

- Parcel 008-011 did not smoke
- Parcels 008-027 and 008-028 smoked, but are listed as having septic (conflicting results)

These parcels should be followed up with dye testing. Records should also be checked to determine if those parcels have septic systems in the ground or if it was simply a record mistake.

In addition, parcels 008-031, 008-032, and 008-033 were indeterminate due to lack of property access and connection to pump station. Parcel 008-039 did not smoke, but was listed as septic.

The storm drain system was also smoked and no unusual results were found.



Ogunquit Smoke Test Results - Kingfield Avenue Drainage Area

| | |
|--------------------------------------|-----------------------------------|
| Legend | |
| Smoke Test Result | ● Catchbasin |
| No Smoke | — Storm Pipe |
| Smoke observed from stack | ● Sewer manholes |
| Smoke Observed (On OSD septic list) | — Sewer Pipe |
| Multiple buildings - See Spreadsheet | ▲ Ogunquit River Sample Locations |
| No Smoke (On OSD septic list) | □ Ogunquit River Drainage Areas |

Data Source: Ogunquit Sewer District, MEGIS, FBE
 Projection: NAD 1983
 UTM Zone 19N
 Map Created by
 FB Environmental Oct. 2014

2. **Maine Beach Smoke Test [10/15/14]**

Staff Present from FBE: LD, LC

Staff Present from Ogunquit: Matt Chadbourne, Phil Pickering

The sewer system along Beach Street was smoked by the Ogunquit Sewer Department in an effort to check building connections within the OG-pipe stormwater outfall drainage from the Main Beach parking lot. Generally, most parcels showed smoke coming out of the building stacks as expected with only one exception.

- Parcel 007-086 had smoke observed in 2 of the 3 stacks. The front building had one stack with smoke observed, while the back building had 2 stacks and smoke only observed out of one.

The storm drain was also smoked and one storm drain connection was found to be mapped incorrectly. The catchbasin on the corner of the street next to parcel 007-086 does not connect to the catch basin in the parking lot directly across the street (as mapped), but is connected to the catchbasin diagonally across the street next to the sidewalk.

It is recommended that a dye test be conducted in the storm and sewer systems at the Main Beach parking lot to determine the source of the large seep at the beach on the east shore of the Ogunquit River before it reaches the ocean.

3. **OR-2 Drainage Smoke Test [10/20/14]**

(Follow-up dye test on 10/24/14)

Staff Present from FBE: LD, LC

Staff Present from Ogunquit: Phil Pickering, Pete

Staff Present from DEP: Kristen Feindel

The entire drainage area for OR-2 contains numerous parcels both sides of Route 1. Due to time constraints and limited staff on hand, we were only able to perform smoke tests on the east side of Route 1. The rest of the drainage area on the west side of Route 1 may be smoked in the spring of 2015. The majority of parcels smoked during this test resulted in confirmed connection to sewer with a few exceptions.

- Parcels 008-042, 008-064, 008-071, 007-045, and 008-073 did not smoke

A follow-up dye test was performed on two of these parcels (008-042 and 008-064) and resulted in confirmed connection to the sewer system. Landowners at the other parcels (008-071, 007-045, and 008-073) were unavailable, and may need to be contacted next spring when many residents return for the summer.

In addition, parcels 008-054 and 008-052 did not smoke, but are connected to a pump station.

The storm drain system was also smoked and no unusual results were found.