



Colorado River Basin Regional Water Quality Control Board

Certified Mail: 7021 1970 0002 0497 9415

April 11, 2023

Jim Turner
Hell's Kitchen Geothermal, LLC
124 West 9th Street, Suite 101
Imperial, CA 92251
Jim.Turner@cthermal.com

Dear Mr. Turner:

**NOTICE OF APPLICABILITY: STATE WATER RESOURCES CONTROL BOARD
CLEAN WATER ACT SECTION 401 GENERAL WATER QUALITY CERTIFICATION,
SB17001GN, OF THE 2017 NATIONWIDE PERMITS (NWP NO. 6) FOR HELL'S
KITCHEN WELL PAD 4 GEOTECHNICAL INVESTIGATION PROJECT (PROJECT),
IMPERIAL COUNTY, WDID NO. 7A133178001**

This letter is to certify activities required to conduct exploratory geotechnical investigations and other geophysical surveys at the Hell's Kitchen Well Pad 4 Geotechnical Investigation Project site in Imperial County under the State Water Resources Control Board Clean Water Act Section 401 General Water Quality Certification of 2017 Nationwide Permits, SB17001GN.

PROJECT DESCRIPTION

The proposed project is located within the Hell's Kitchen Geothermal (HKG) Lease Area in Imperial County and can be found on the Niland, California U.S. Geological Survey 7.5 Minute Quadrangle in Section 11, Township 11 South, Range 12 East (Figure 1). The site is located along the southeastern shore of the Salton Sea. Survey work would occur west of Davis Road and south of the terminus of the S-Drain Road (Figure 2).

The project proposes to conduct exploratory geotechnical investigations that would support geothermal resource testing and the construction of an exploratory geothermal testing well pad. The geotechnical survey work would entail traditional test boring. The survey area is located at latitude 33.23194027° N and longitude -115.59345259° W.

The geotechnical survey work will result in 0.00004 acre of temporary impacts to aquatic resources (Figure 3). These temporary impacts will occur on palustrine shrub wetlands. Bore holes are the only survey activity expected to generate spoils and would

EDWARD MUZIK, CHAIR | PAULA RASMUSSEN, EXECUTIVE OFFICER

yield approximately 1.25 cubic yards of spoils each. The total temporary impact from the bore holes is estimated to be 6.25 cubic yards.

All impacts associated with geotechnical work are temporary and the area impacted would be restored to pre-survey conditions upon completion of work. Mitigation measures include avoiding and minimizing impacts to wetlands and waters through the selection of survey locations, best management practices (BMPs), and restoration of temporary impacts.

FINDINGS OF APPLICABILITY

This letter serves as formal notice that Certification No. SB17001GN is applicable to this project. The project waste discharge identification (WDID) number is 7A133178001.

REPORTING

A Notice of Completion (NOC) shall be submitted by the applicant no later than 30 days after the work has been completed. The NOC shall demonstrate that the work has been carried out in accordance with the description provided in the applicant's Notice of Intent (NOI).

Failure to comply with the terms and conditions of Certification No. SB17001GN may expose Hell's Kitchen Geothermal, LLC to enforcement action pursuant to the Clean Water Act and California Water Code.

If you require further assistance, please contact Kai Dunn by phone at (760) 776-8986 or via email at Kai.Dunn@waterboards.ca.gov

Sincerely,

Original Signed By _____

Paula Rasmussen
Executive Officer
Colorado River Basin
Regional Water Quality Control Board

Attachments:

- Figure 1: Regional Site Vicinity Map
- Figure 2: Borehole Location Overview
- Figure 3: Impacts to Aquatic Resources

Enclosure: State Water Resource Control Board General Clean Water Act 401 Water
Quality Certification Order of U.S. Army Corps of Engineers 2017 Nationwide
Permits (SB17001GN)

File: W DID: 7A133178001, RM: 451598, Place ID: 886596, Hell's Kitchen Well Pad 4
Geotechnical Investigation Project

cc: [via email only] (w/ enclosure):

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Project Maps

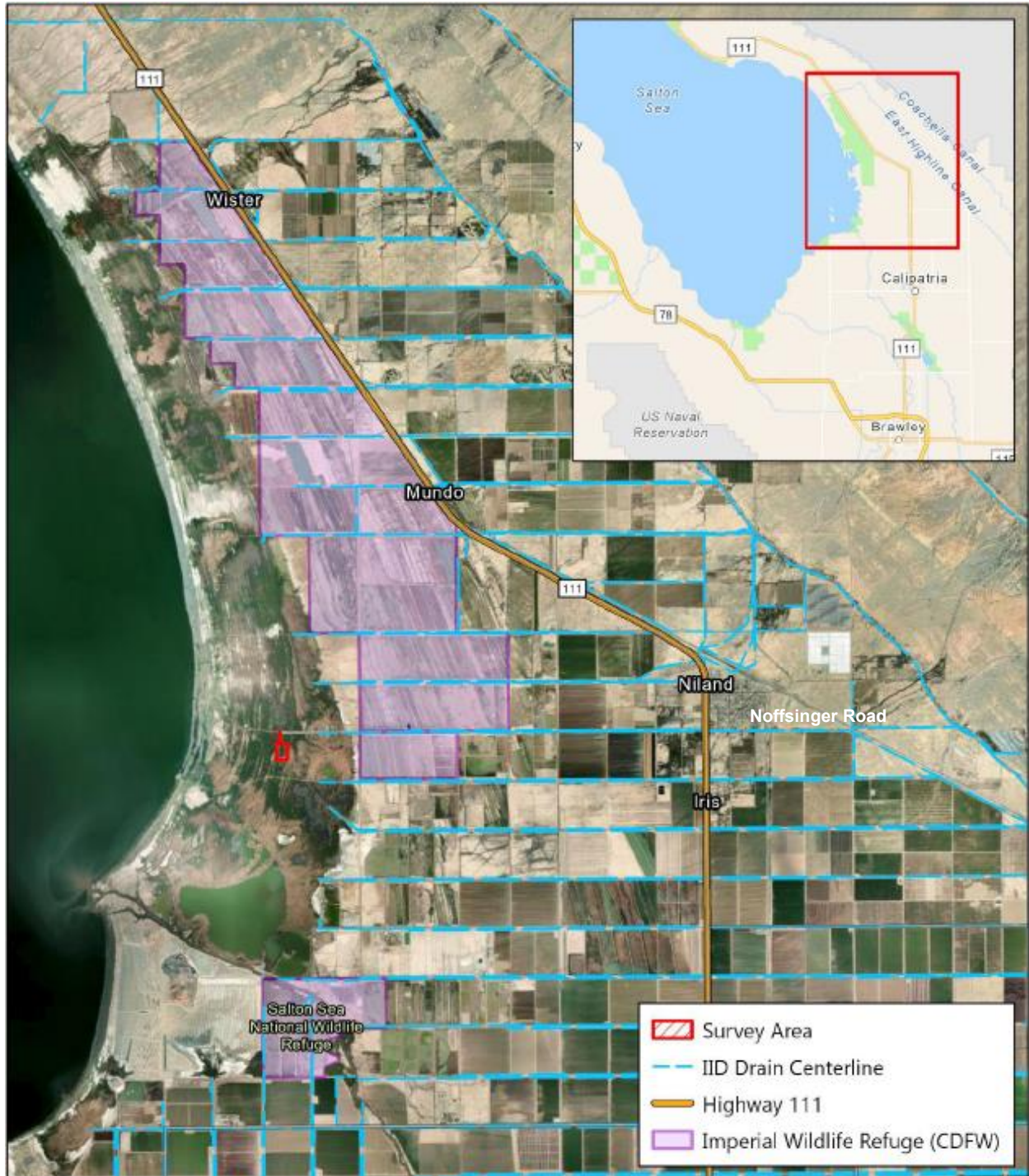


Figure 1: Regional Site Vicinity Map¹

¹Hell's Kitchen Geothermal, February 2023. Notice of Intent (NOI) for Hell's Kitchen Well Pad 4 Geotechnical Investigation Project.



Figure 2: Borehole Location Overview

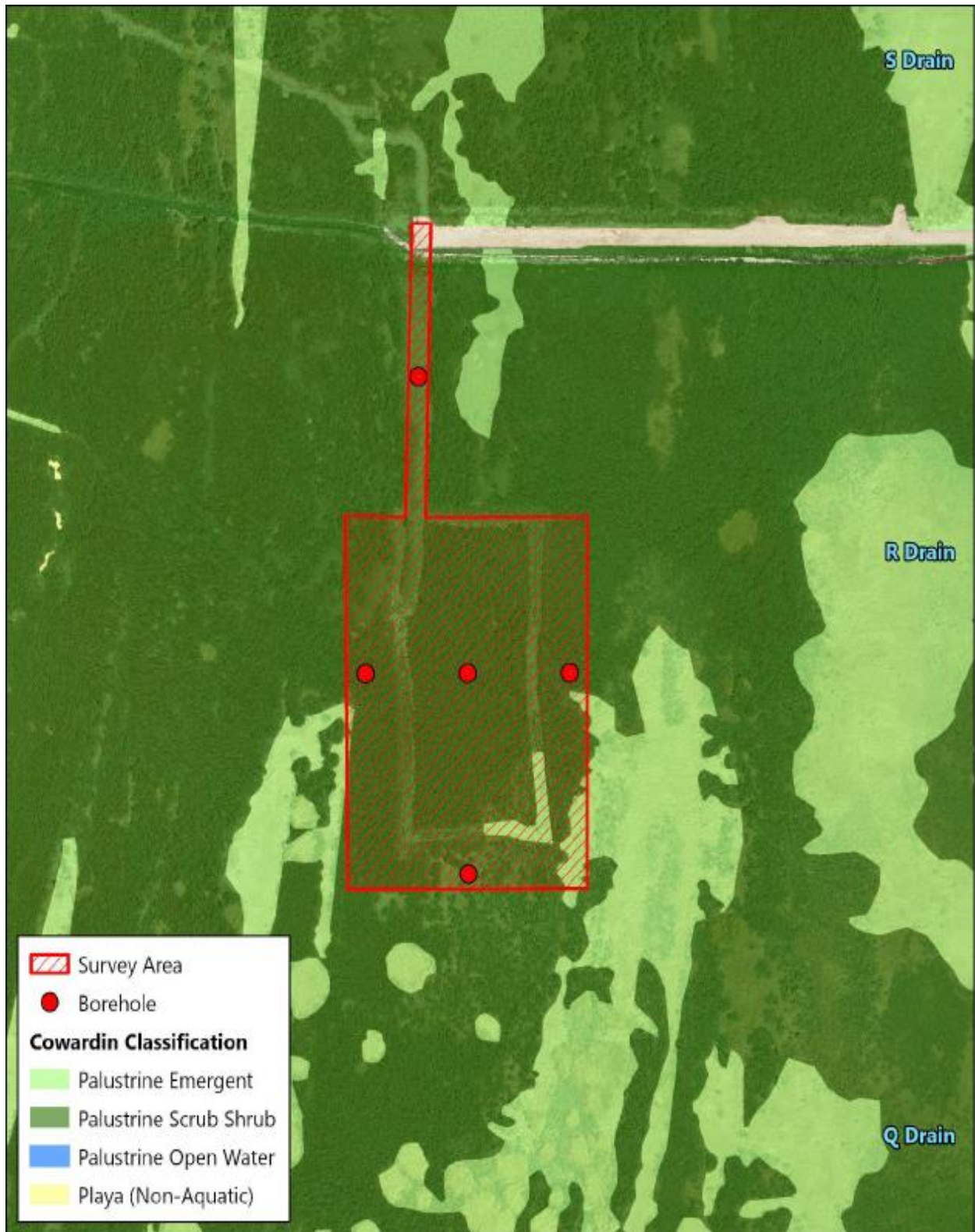


Figure 3: Impacts to Aquatic Resources