

Community Health and Safety Plan
Site Investigation – Pre-Design Investigation for Operable Unit 3 - F&G Street Marsh
San Diego Bay National Wildlife Refuge

June 8, 2023

A. Site Identification and Location

SWIS Number: 37-CR-0129
Operable Unit 3 at F&G Street Marsh – San Diego Bay National Wildlife Refuge
No physical address
APN 567-010-27-00

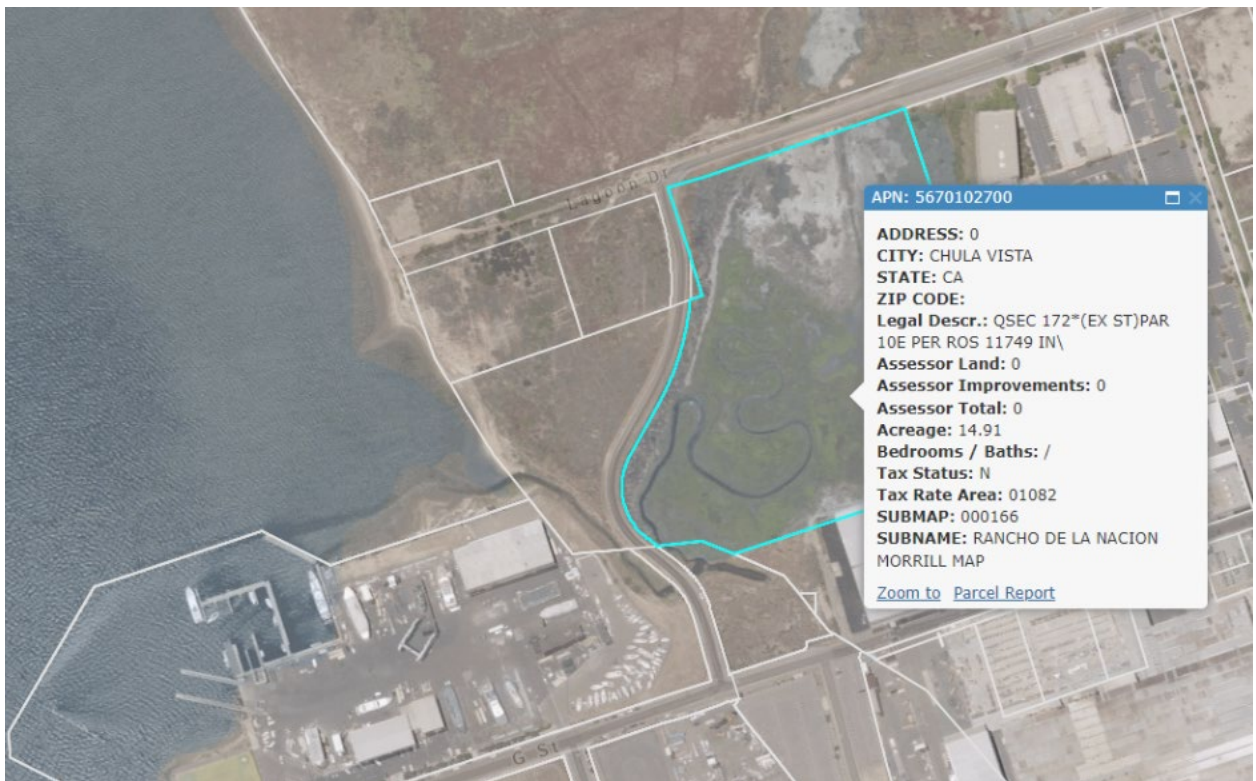


Figure 1. San Diego Bay National Wildlife Refuge-F&G Street Marsh APN 567-010-27-00.

B. Plot Plan

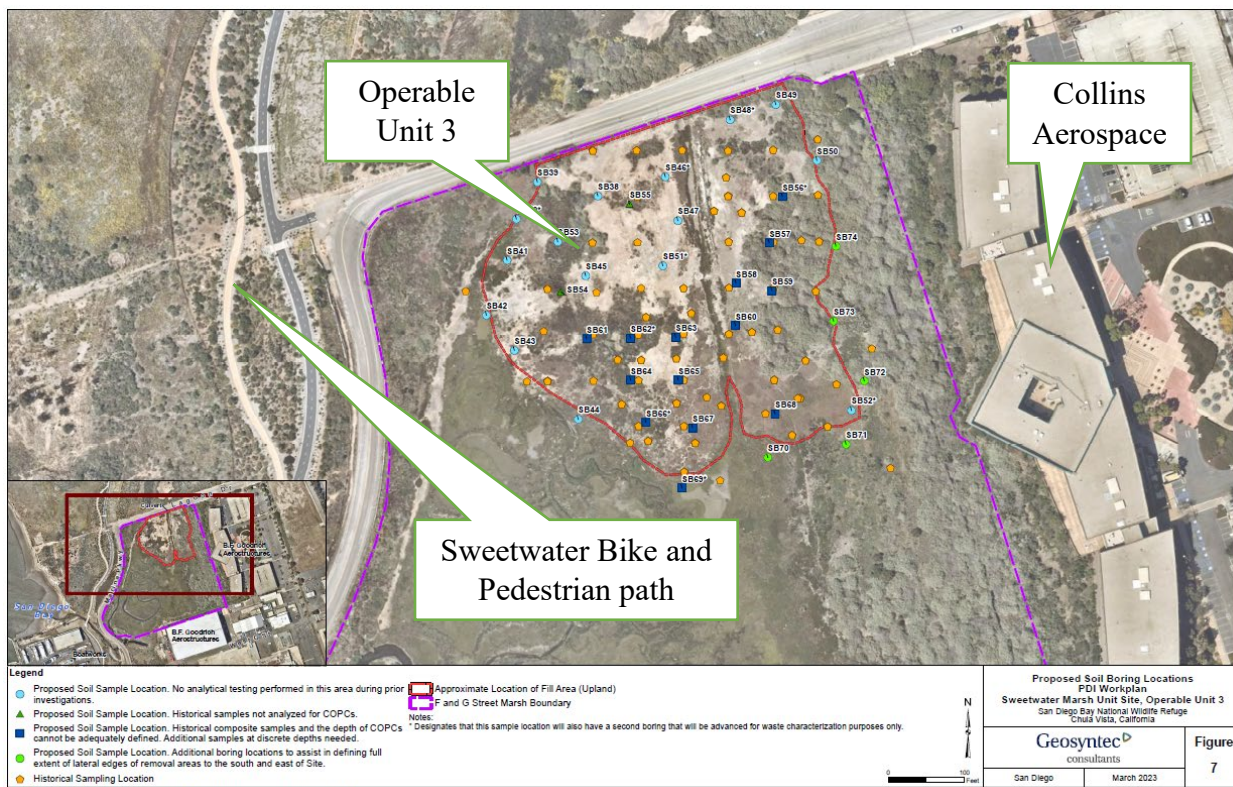


Figure 2. Collins Aerospace is adjacent to the boring sampling locations. Bay Park is 1,000-feet east of the sampling project. The Sweetwater Bike and Pedestrian Path is approximately 500-feet west of the sampling project. Marine Group Boat Works is 1,000-feet west of the sampling location. Closest homes are east of Interstate 5. Bay Park, Sweetwater Bike and Pedestrian Path, Marine Group Boat Works, and homes east of Interstate 5 are not affected by the boring sampling work. Collins Aerospace and Marine Group Boat Works are industrial facilities. Most of the surrounding lands are open space. Prevailing winds are typically from the west and southwest.

C. Evaluation of Potential Public Exposure to Hazards

Geosyntec and their drilling subcontractor will collect soil borings in F&G Street Marsh within the San Diego Bay National Wildlife Refuge to further delineate and characterize environmental contaminants within Operable Unit 3. Field work will occur over a three-day period from Tuesday June 20 to Thursday June 22, 2023. Drilling and collection of approximately 46 soil boring samples from OU3 will have little to no potential public health hazards and exposure pathways. The soil sampling will not create any immediate or long-term hazards from vapors, dust, noise, fires, explosions, or physical hazards. The borings are approximately 2-inches in diameter and will be backfilled with bentonite. Upon completion of the sampling, two 55-gallon drums of soil cuttings and decontamination water will be

transported to the Refuge maintenance building at Gunpowder Point and stored in a secure area until the drums are properly disposed using a licensed contractor.

D. Monitoring Equipment

No site monitoring is planned for the drilling and collection of approximately 46 soil boring samples from OU3. While polycyclic aromatic hydrocarbons (PAHs) were detected at OU3 at concentrations that pose an unacceptable risk to human health and the environment, we do not expect any significant release of PAHs or fugitive organic chemical vapors as a result of borings. OU3 is not an UST site, and while our sampling found one shallow subsurface deposit of waste oil with elevated total PAH concentrations, we do not expect any petroleum releases from borings and the collection of soil samples. The boring holes will be promptly backfilled with bentonite upon completion of the sampling.

E. Control Methods

1. Site Security

Lagoon Drive west of the Collins Aerospace Facility is temporarily closed to public access during the construction of the Chula Vista Bayfront hotel project. The road closure includes physical barriers (traffic cones and A-frame barricades). The closure of Lagoon Drive also prevents public access to F&G Street Marsh and OU3. The road closure of Lagoon Drive will be in place while we collect samples at OU3 from June 20-22, 2023. We are temporarily removing a guard rail from the south side of Lagoon Drive so that we can access OU3 with a drilling rig, and we will promptly replace the guard rail upon completion of sampling. The City of Chula Vista has approved our temporary crossing of the traffic barrier and removal of the guard rail for the field sampling.



Operable Unit 3 at F&G Street Marsh. Request to cross construction barrier and remove guard rail on Lagoon Drive.

2. Vapors

We do not expect any significant release of PAHs and vapor emissions from the drilling and collection of approximately 46 soil boring samples from OU3. F&G Street Marsh and OU3 are closed to the public because of the road closure, and little to no public exposure to potential vapor emissions would occur. Bay Park is approximately 1,000 feet due east of OU3 and given the distance, open nature of the area, and wind conditions, any fugitive release of PAHs from the borings would quickly dissipate before reaching Bay Park.

3. Dust

We do not expect any significant release of dust from the drilling and collection of approximately 46 soil boring samples from OU3. The drilling subcontractor will use direct push borings to collect the soil samples. Soil samples will be obtained continuously from each direct-push exploration using a 4- or 5-foot long, 2-inch diameter sampler lined with acrylic sleeves. The direct push borings are not expected to generate significant amounts of dust during their operation. The unauthorized fill material at OU3 is consolidated, and the operation of the drilling rig is not expected to generate significant dust. The sampling does not include any trenching excavating with heavy equipment or transporting soil to an off-site location by truck.

4. Noise

Field work will occur from Tuesday June 20 to Thursday June 22 during the hours of 7:00 am to 5:30 pm. No night-time or week-end work is planned.

5. Open Excavations

The soil borings do not involve any trenching or excavation. The direct push borer will use a 2-inch diameter sampler.

6. Stockpiled Soil

The soil borings will not result in any stockpiled soils. We estimate that the borings will generate two 55-gallon drums of investigation-derived waste: one 55-gallon drum of soil and one 55-gallon drum of liquid waste. Upon completion of the sampling, the 55-gallon drums of soil cuttings and decontamination water will be transported to the Refuge maintenance building at Gunpowder Point and stored in a secure area designated by the Refuge. Each drum will be labeled with the date from which the contents were derived and with a “nonhazardous” placard pending receipt of analytical results.

7. BMPs

BMPs are not needed since the drilling rig will only minimally disturb the soil surface and the borings will be sealed with bentonite upon completion. No other soil disturbance will occur.

F. Site Safety Manager

24-hour telephone number of the site safety manager:

MaryAnn Amann: Refuge CERCLA Project Manager - 503-505-2913

G. Emergency Planning

No community emergency planning is needed for the site investigation work. We have previously bored a large number of sample cores in OU3 without any incident. Approximately 300 samples of soil, sediment, and groundwater from 112 locations were collected in 2003-2004, 2014, and 2016 from OU3, and no emergency situations occurred. The proposed sampling sites are adjacent to areas that have been previously sampled. Flammable or combustible substances or explosive concentrations of vapors are not present at OU3.

H. Public Notification

The public notification will include the below:

The borings for the PDI will occur over a short period of time and have a low potential for exposure of contaminants to the public and businesses adjacent to the project area. No residences occur within 1,000-feet of OU3. We will provide the below information to the Marine Boat Works Group, Collins Aerospace, Seven Mile Casino, City of Chula Vista, and Port of San Diego. Notices will be posted on at least one Refuge No Entry Sign along the Lagoon Drive boundary of F&G Street Marsh (OU3 is accessible only by Lagoon Drive).

24-hour telephone number of the site safety manager:

MaryAnn Amann: Refuge CERCLA Project Manager - 503-505-2913

Alternate: Chris Lieder: Geosyntec Health and Safety Officer - 619-980-4558

24-hour telephone number of the person to contact regarding problems (i.e., odors, dust, and noise).

MaryAnn Amann: Refuge CERCLA Project Manager - 503-505-2913
Alternate: Joe Hickey: Geosyntec Project Manager - 503-730-6608

Geosyntec and their drilling subcontractor will collect soil borings in F&G Street Marsh within the San Diego Bay National Wildlife Refuge to further delineate and characterize environmental contaminants within Operable Unit 3. Field work will occur over a three-day period from Tuesday June 20 to Thursday June 22, 2023. The work will occur during the hours of 7:00 am to 5:30 pm.

Field work will occur from Tuesday June 20 to Thursday June 22, 2023, during the hours of 7:00 am to 5:30 pm. No night-time or week-end work is planned.

For more information on the removal action at Operable Unit 3, please see:

[F and G Street Marsh Contaminant Cleanup Project](#)

06/09/2023