

Biological Monitoring
Of
Hazardous Waste Cleanup and Disposal

Sandridge
Kern County, CA

Prepared by: Tyler Armstrong - Senior Biologist

Date: February 3rd, 2023

Prepared for: Sandridge

HAZARDOUS WASTE ASSESMENT AND REMOVAL

At the request of Sandridge, BPR Consulting arrived on location on January 24th. The initial site walk determined a biological reconnaissance survey would be conducted to assess the likelihood of any wildlife presence in the affected area as well as a buffer of 50 ft. The hazardous waste cleanup and disposal took place on January 26th & 27th.

Oil barrels and other various debris were discovered in an irrigation canal within Sandridge property. Sandridge contacted BPR consulting immediately upon discovery of the hazardous material.

The BPR Consulting biological monitor and Ally Enterprises arrived at the hazardous waste cleanup site in the canal at 7:00 AM on January 26th. There was a total of 26 barrels within two separate areas of the canal. The Ally Enterprises crew began extracting barrels. Crews also removed air filters, tires, and other various debris. After the hazardous materials were removed safely crews began extracting the oil from the barrels to properly approved disposal containers. Cleanup crews had a pump malfunction. The pump was replaced, and crews continued transferring the hazardous materials into the approved containers.

Crews continued the clean on January 27th at 7:00 AM. The hazardous waste was transported to the location approved by CDFW for proper disposal. Sandridge cleared out a path with a backhoe in order for crews to access the remaining 6 barrels. The remaining barrels were empty.

Biological monitor and cleanup crews walked the canal to ensure all hazardous waste and debris had been removed. Crews left the site at 1:00 PM on January 27th with all hazardous waste removed

from the canal. All contaminated soils were also removed of and disposed of at the approved disposal site.

RECONNAISSANCE SURVEY

The Reconnaissance Survey is intended to satisfy requirements for species detection and avoidance set forth by regulatory agencies including the United States Fish and Wildlife Service (USFWS) and the California Department of Fish and Wildlife (CDFW). The field survey was conducted by BPR Senior Biologist, Ben Ruiz. The primary focus of the survey was detection of the presence of potentially occurring sensitive biological resources and special-status species, including:

- San Joaquin kit fox (*Vulpes macrotis mutica*; Federal Endangered, State Threatened);
- San Joaquin antelope squirrel (*Ammospermophilus nelsoni*;) State Threatened
- burrowing owl (*Athene cunicularia*; State Species of Special Concern); and,
- other listed and special-status species.

All suitable habitat within the spill area and surrounding buffer areas were extensively surveyed. Densely covered areas were thoroughly inspected for burrows, dens and any other suitable wildlife dwellings. During the survey no dens or burrows were observed. No special-status species were detected at the site. No scat/white-wash, feathers, prey remains, tracks, etc. were identified in proximity to any earthen burrow or “surrogate” artificial structure such that it would directly indicate occupation, construction, or use by kit fox, burrowing owl, or any listed or special-status species. No sensitive plant species were observed.



Tyler Armstrong
Senior Biologist
BPR Consulting

Figure 1. Vicinity Map



Figure 2. Target Area Map

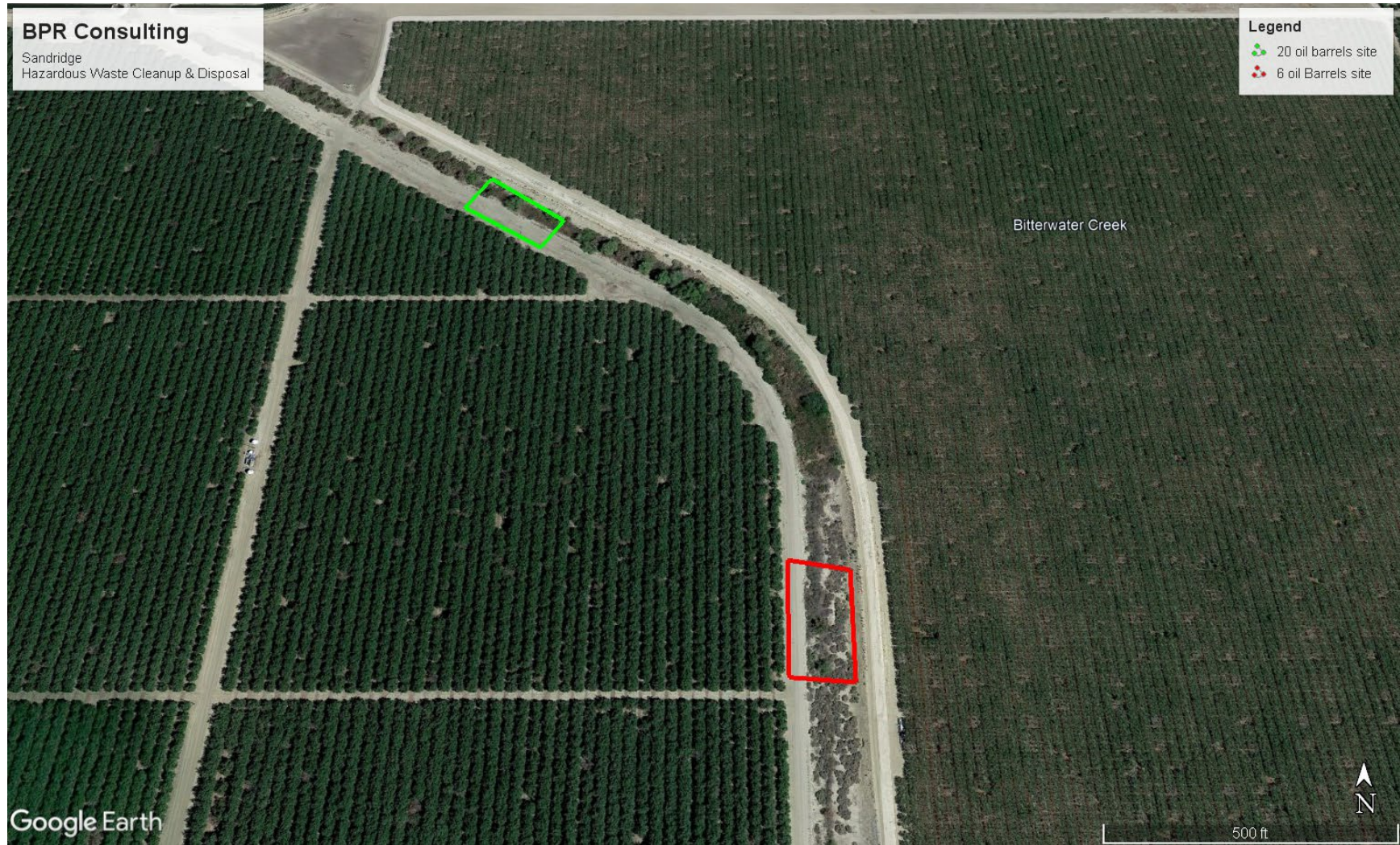


Photo Documentation

Figure 3. Hazardous waste in canal.



Figure 4. Debris in canal.



Figure 5. Hazardous waste on canal bank.



Figure 6. Hazardous waste transfer into approved disposal containers.



Figure 7. Hazardous waste transport and disposal.



Figure 8. Debris transport and disposal.



Appendix

Biological Monitoring Forms

January 26th & 27th

Sandridge Oil Barrels BIOLOGICAL MONITORING REPORT

Start Time: 7:00 am**End Time:** 3:00 pm**Date:** 1/26/23**Monitor Name:**

Caleb Paul

Monitor Contact Number:

661-864-6953

Weather: 38-50 degrees

Other Relevant Conditions:

Type of Monitoring: BIOLOGICAL CULTURAL OTHER (Specify)

General Location(s): Highway 46

Specific Location (e.g., station number, drainage):

Berrenda Mesa Canal and Bitterwater Creek

Activities Monitored:

Removal of oil barrels

Monitoring Required By (check as many as apply):

 MITIGATION MEASURE PLAN/PROCEDURE SPECIFICATION
 DRAWING PERMIT CONDITION OTHER
Daily Summary*Include a brief explanation for any YES answers in the Notes Section*

- | | | |
|--|---|--|
| 1. Did you perform any surveys today? | <input checked="" type="checkbox"/> YES | <input type="checkbox"/> NO |
| 2. Did you observe any sensitive resources in the work area today? | <input type="checkbox"/> YES | <input checked="" type="checkbox"/> NO |
| 3. Were any photographs taken today? | <input checked="" type="checkbox"/> YES | <input type="checkbox"/> NO |
| 4. Were any other specialty monitors on the site today?
(If YES, include type of monitor and name in Notes) | <input type="checkbox"/> YES | <input checked="" type="checkbox"/> NO |
| 5. Did any agency personnel visit the site today?
(If YES, include agency and staff name in Notes) | <input type="checkbox"/> YES | <input checked="" type="checkbox"/> NO |
| 6. Did work activities conform to the project's resource-protection requirements in your discipline area? | <input checked="" type="checkbox"/> YES | <input type="checkbox"/> NO |
| 7. Are there any outstanding follow-up items from previous reports that have not been completed? | <input type="checkbox"/> YES | <input checked="" type="checkbox"/> NO |

Notes:

7:00 am- The biological monitor arrived on site, the barrels remained untouched as workers began to arrive.



7:57-9:30 am- The biological monitor observes as the crew begin to take out each barrel, clear trash and Debruy from the canal.



9:30 am- All of the barrels are all out of the canal.



9:43 am- The workers begin to pump oil into the topes, but the pump was malfunctioning. The workers were able to arrange for a new pump.



12:50 pm- The new pump arrived on site, so the crew begins to pump oil into topes. Additionally, crews were putting Debris and trash in bags.



2:13 pm- The barrels are now empty and all oil is in topes.



3:00 pm- The barrels are left on site and will be taken to a yard in the morning. The crew hauls the topes away and will meet at a yard in morning for drop off.



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Notes:

7:00 am- The biological monitor arrived at the Sandridge yard in order to observe the drop off oil totes from the canal the previous day.



8:20 am- The biological monitor and the crew arrived back at the canal site to pick up the barrels, they were loaded onto the trailer.



9:00 am- Barrels are loaded on the trailer, additionally, tires and all trash bags get loaded.

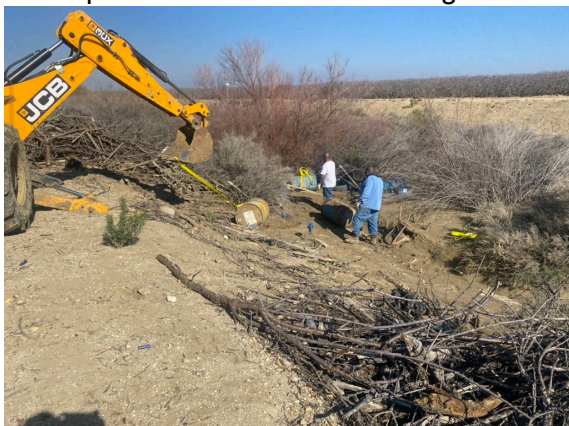
9:30 am- The trailer is fully loaded with 20 barrels, tires, and all trash. The crew is headed back to the Sandridge yard.



12:10 pm- The trailer arrives back at the next canal site with 6 barrels, in order to begin the process of removing all barrels from the canal.



12:15 pm- The crew is able to drag the barrels out one by one.



12:30 pm- All barrels are out of canal and are being loaded onto the trailer.



12:45 pm-The site is all clear of barrels, the crew has left to transport them to the Sandridge yard for dropped off.