

Central Coast Regional Water Quality Control Board

TO: Buckley Road Area TCE Investigation File¹

FROM: Greg Bishop, PG, CHg
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SITE CLEANUP PROGRAM MANAGER

DATE: January 23, 2019

SUBJECT: TECHNICAL MEMORANDUM
BUCKLEY ROAD AREA TCE INVESTIGATION, SAN LUIS OBISPO:
TCE GROUNDWATER CONTOUR MAPS



Several environmental investigations have been performed under Central Coast Regional Water Quality Control Board (Central Coast Water Board) regulatory direction to evaluate trichloroethylene (TCE) pollution in groundwater in the vicinity of Buckley Road and Thread Lane in San Luis Obispo, California. These investigations were performed by representatives from:

- 795 Buckley Road²;
- 825 Buckley Road³;
- 4665 Thread Lane⁴; and
- San Luis Obispo County Regional Airport (Airport)⁵.

Additionally, groundwater TCE data used in the Buckley Road Area TCE Investigation exist from groundwater production well sampling activities performed as part of:

- Groundwater production well sampling data submitted to the County of San Luis Obispo and
- Domestic well sampling performed by Central Coast Water Board staff.

Each of the investigations and sampling events was performed by different parties independently, with the most recent technical report submitted on January 2, 2019. Similarly, the groundwater production well sampling events are implemented separately. As a result, an

¹ Electronic files for the Buckley Road Area TCE Investigation are online at:
https://geotracker.waterboards.ca.gov/profile_report?global_id=T10000007662.

² 795 Buckley Road files: https://geotracker.waterboards.ca.gov/profile_report?global_id=T10000010081

³ 825 Buckley Road files: https://geotracker.waterboards.ca.gov/profile_report?global_id=T10000010080

⁴ 4665 Thread Lane files: https://geotracker.waterboards.ca.gov/profile_report?global_id=T10000010079

⁵ Airport files: https://geotracker.waterboards.ca.gov/profile_report?global_id=T10000010066

interpretive map depicting data from all these independent investigative sources in one location has not yet been prepared.

Figures 1 and 2 of this Technical Memorandum were prepared by Central Coast Water Board staff to illustrate and better understand the lateral distribution of TCE in groundwater in the investigation area from the various sources. Figure 1 depicts TCE concentrations in groundwater samples collected from within a water-bearing zone in the 30- to 43-foot below ground surface (bgs) interval. Figure 2 depicts TCE concentrations in groundwater samples collected from within a water-bearing zone in the 50- to 65-foot bgs interval. For sampling locations with TCE data from multiple time intervals, such as groundwater production wells, the most recent TCE concentration is used for that location.

Data Sources Used to Prepare Figures 1 and 2

Central Coast Water Board, Buckley Road Area TCE Investigation files for water supply well sampling performed by Central Coast Water Board staff.

Groundwater Information System (GAMA), State Water Resources Control Board,
<http://geotracker.waterboards.ca.gov/gama/gamamap/public>. Last accessed January 22, 2019. (Used to retrieve data from groundwater production well sampling performed for the County of San Luis Obispo.)

Haro Environmental Inc., *Report of Well Investigation and Soil Vapor Sampling Activities*, 795 Buckley Road, San Luis Obispo, CA. May 19, 2017.
<https://geotracker.waterboards.ca.gov/?surl=xk7is>.

Roux Associates, Inc. *Groundwater Investigation Report*, Buckley Road Vicinity, San Luis Obispo, California. October 10, 2016. <https://geotracker.waterboards.ca.gov/?surl=uauin>.

TRAK Environmental Group, Inc., *Report of Subsurface Investigation*, 825 Buckley Lane, San Luis Obispo, California, APN 076-063-038. May 5, 2017.
<https://geotracker.waterboards.ca.gov/?surl=dsv73>.

TRAK Environmental Group, Inc., *Report of Subsurface Investigation*, 4665 Thread Lane, San Luis Obispo, California, APN 076-062-043. September 28, 2018.
<https://geotracker.waterboards.ca.gov/?surl=dsv73>.

TRAK Environmental Group, Inc., *Report of Groundwater Monitoring Well Installation and Quarterly Groundwater Monitoring, Fourth Quarter 2018*, 4665 Thread Lane, San Luis Obispo, California, APN 076-062-043. December 31, 2018.
<https://geotracker.waterboards.ca.gov/?surl=g3flu>.

Figures

Figure 1 – TCE Concentrations in Shallow Groundwater (30- to 43-foot Interval)

Figure 2 – TCE Concentrations in Deep Groundwater (50- to 65-foot Interval)

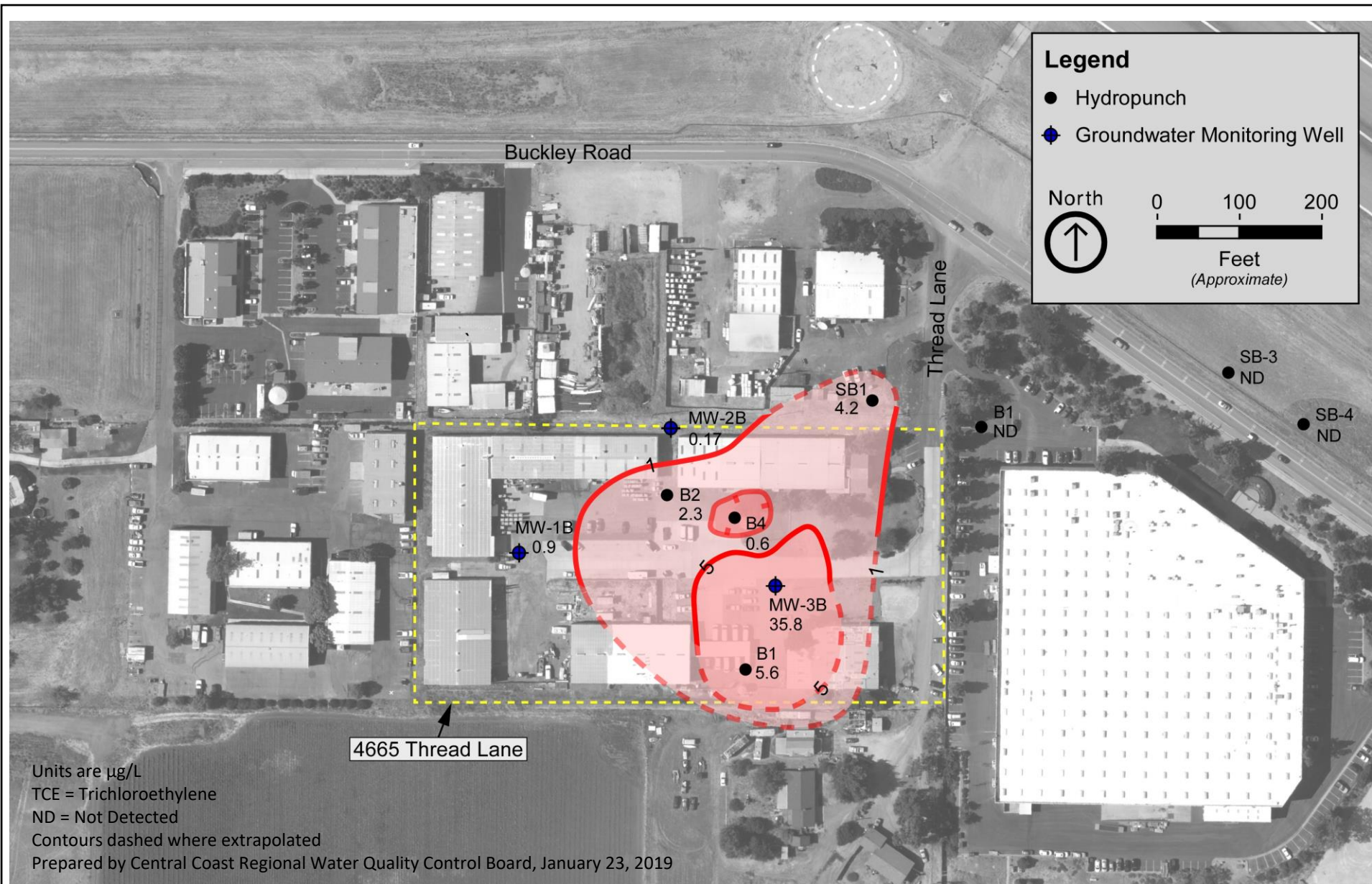


Figure 1

TCE Contours in Shallow Groundwater (30- to 43-foot Interval)

Buckley Area TCE Investigation
San Luis Obispo, California

*The screen zones are not known for all production wells depicted.
Production well screens may extend outside the 50- to 65-foot interval.

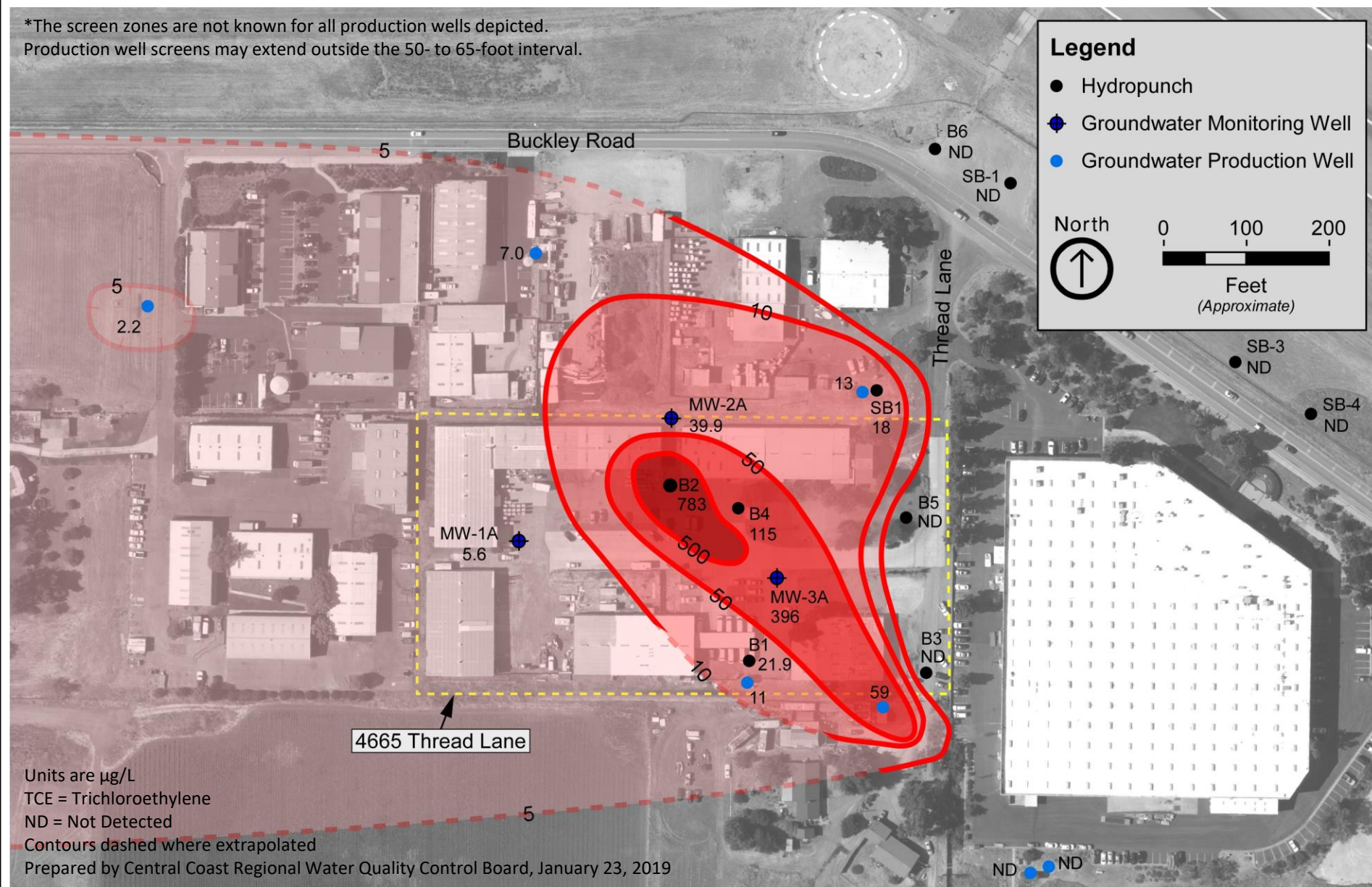


Figure 2

TCE Contours in Deep Groundwater (50- to 65-foot Interval)*

Buckley Area TCE Investigation
San Luis Obispo, California