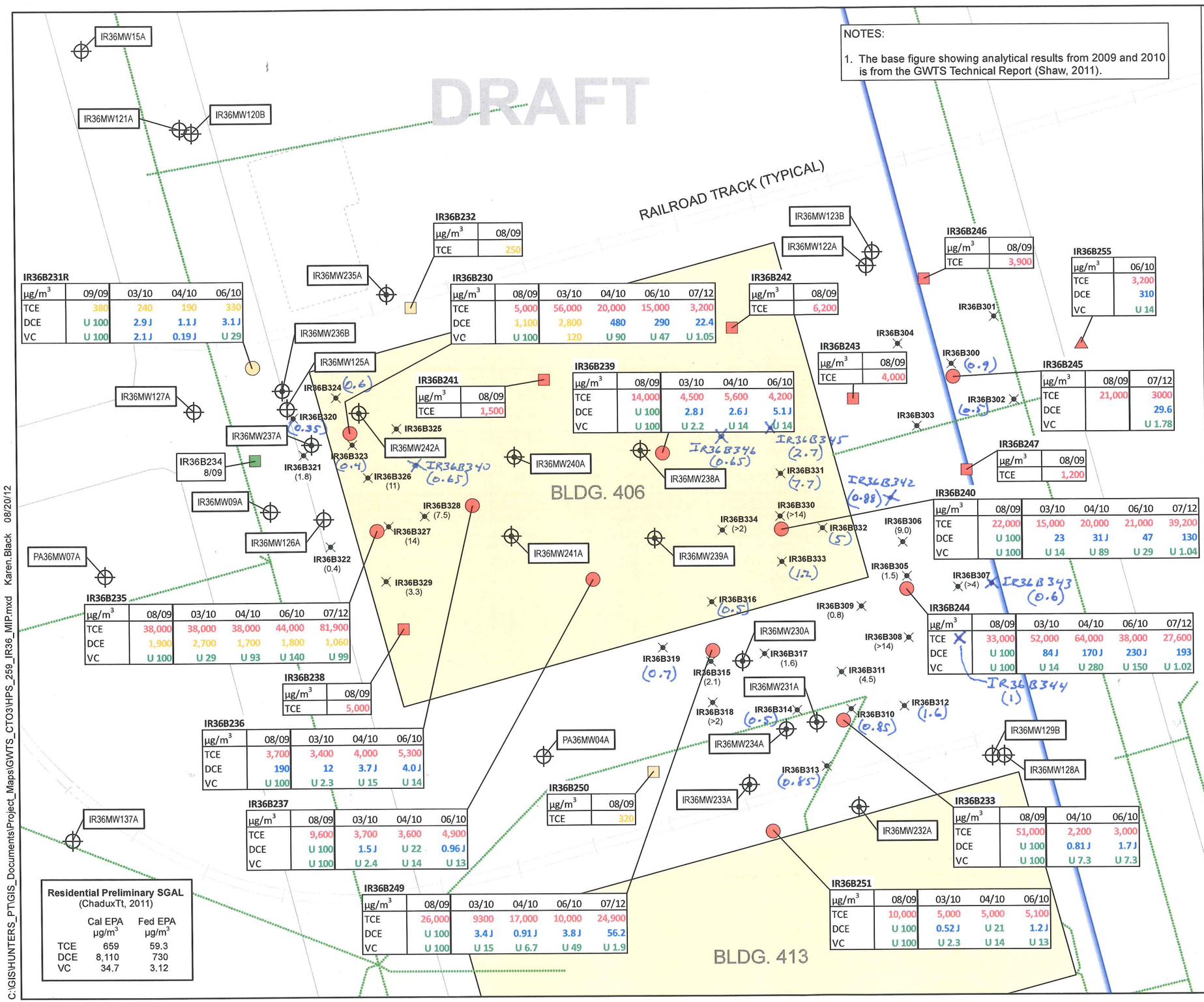

NOTES:

1. The base figure showing analytical results from 2009 and 2010 is from the GWTS Technical Report (Shaw, 2011).

Legend

- MIP Location with Electron Capture Detector Response in microvolts x10^6 (4.5)
- Existing Monitoring Well
- Temporary Monitoring Well
- Sample Location - Pre-ZVI and Post-ZVI Injection
- Sample Location - Pre-ZVI Injection Only
- Sample Location - Post-ZVI Injection Only

Sampling Results

Color represents highest CVOC concentration relative to SGAL, based on most recent sample date

- Greater than the CAL EPA SGAL
- Greater than the EPA SGAL and less than the CAL EPA SGAL
- Less than the EPA SGAL
- U (Undetected)

CVOC Concentration in Soil Vapor (µg/m^3)

Pre-Injection Characterization ← | → Post-Injection Sampling

Units	µg/m^3	09/09	03/10	04/10	06/10	Sample Date
Analyte	TCE	380	240	190	330	Results

The ZVI-injection period was from 12/10/09 through 12/17/09

- Storm Drain Line
- Parcel E Boundary
- Building (Demolished)
- Building (Existing)

CVOC	Chlorinated Volatile Organic Compound
GWTS	Groundwater Treatability Study
µg/m^3	Micrograms per cubic meter
MIP	Membrane Interface Probe
SGAL	Soil Gas Action Limit (Preliminary)
TCE	Trichloroethene
DCE	cis 1,2-dichloroethene
VC	Vinyl chloride
J	Estimated concentration below the practical quantitation limit
U	Undetected
>	Greater than

N

0 50 100 Feet

Residential Preliminary SGAL (ChaduxTt, 2011)

	Cal EPA µg/m^3	Fed EPA µg/m^3
TCE	659	59.3
DCE	8,110	730
VC	34.7	3.12

Shaw®

U.S. Department of the Navy
BRAC PMO West
San Diego, California

FIGURE 7
IR36 AREA PRE- AND POST-INJECTION
TCE, DCE, AND VC DETECTED
IN SOIL GAS AND PROPOSED MIP BORINGS

PARCEL E GWTS ADDITIONAL INVESTIGATION WORK PLAN
HUNTERS POINT NAVAL SHIPYARD, SAN FRANCISCO, CA

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