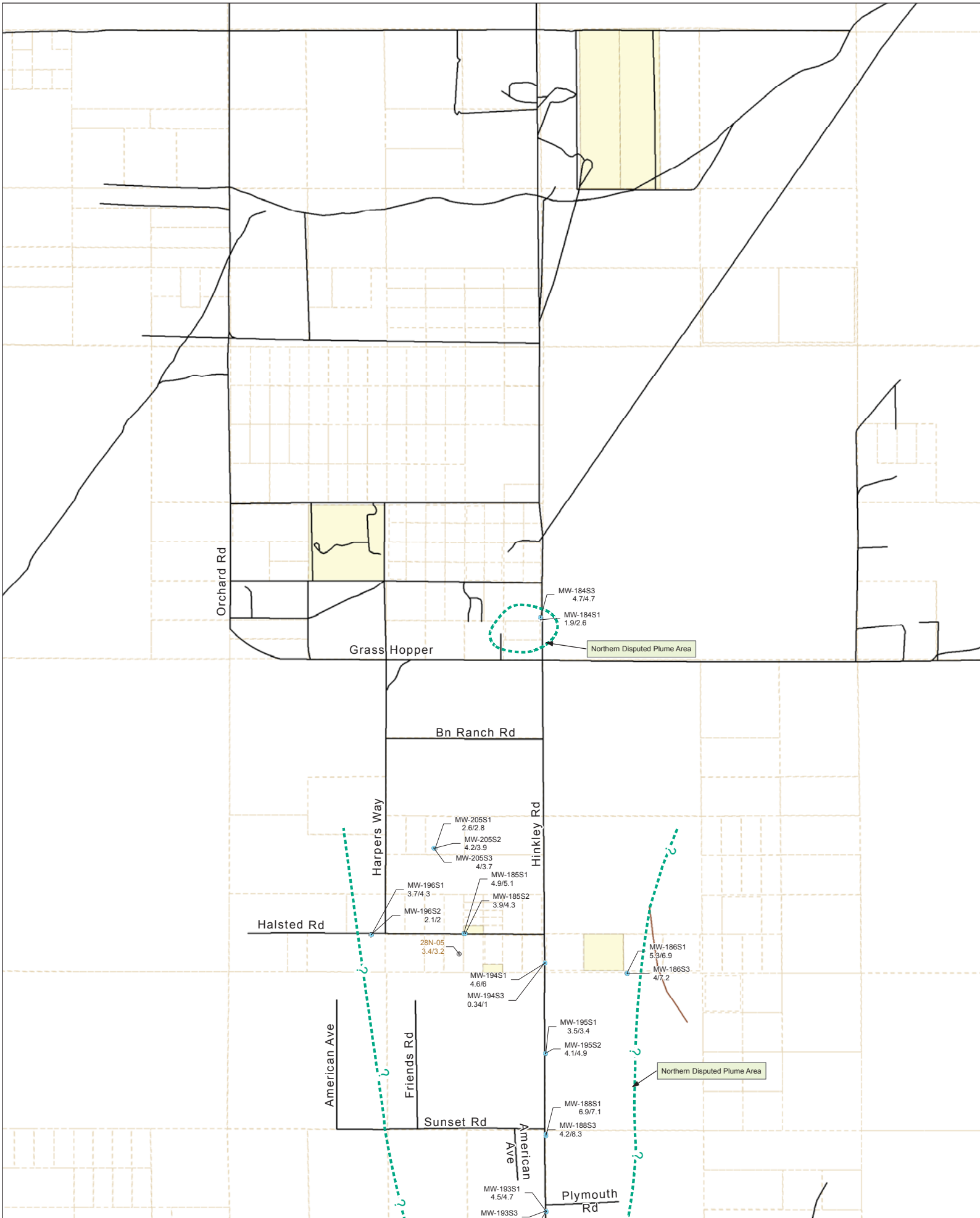
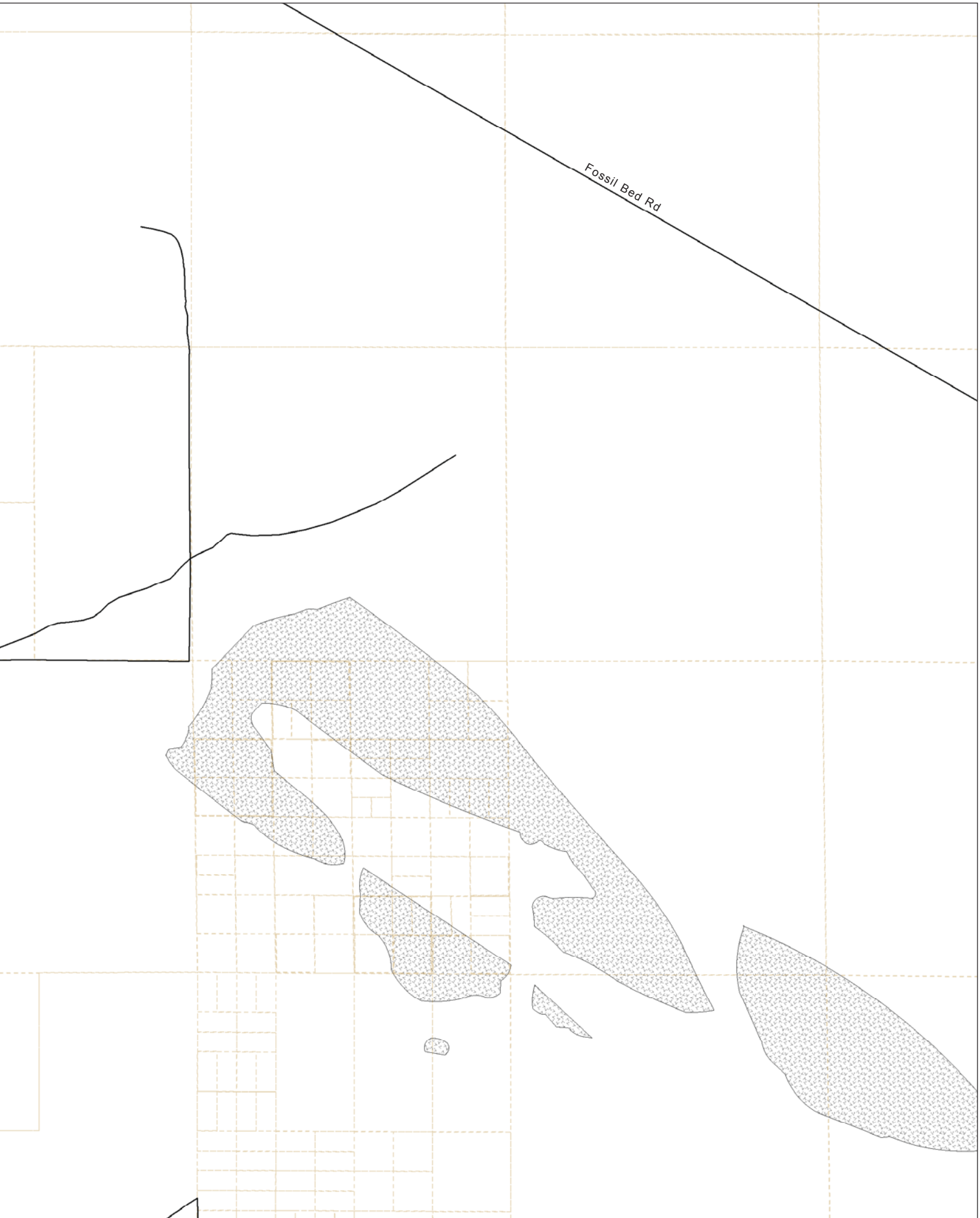
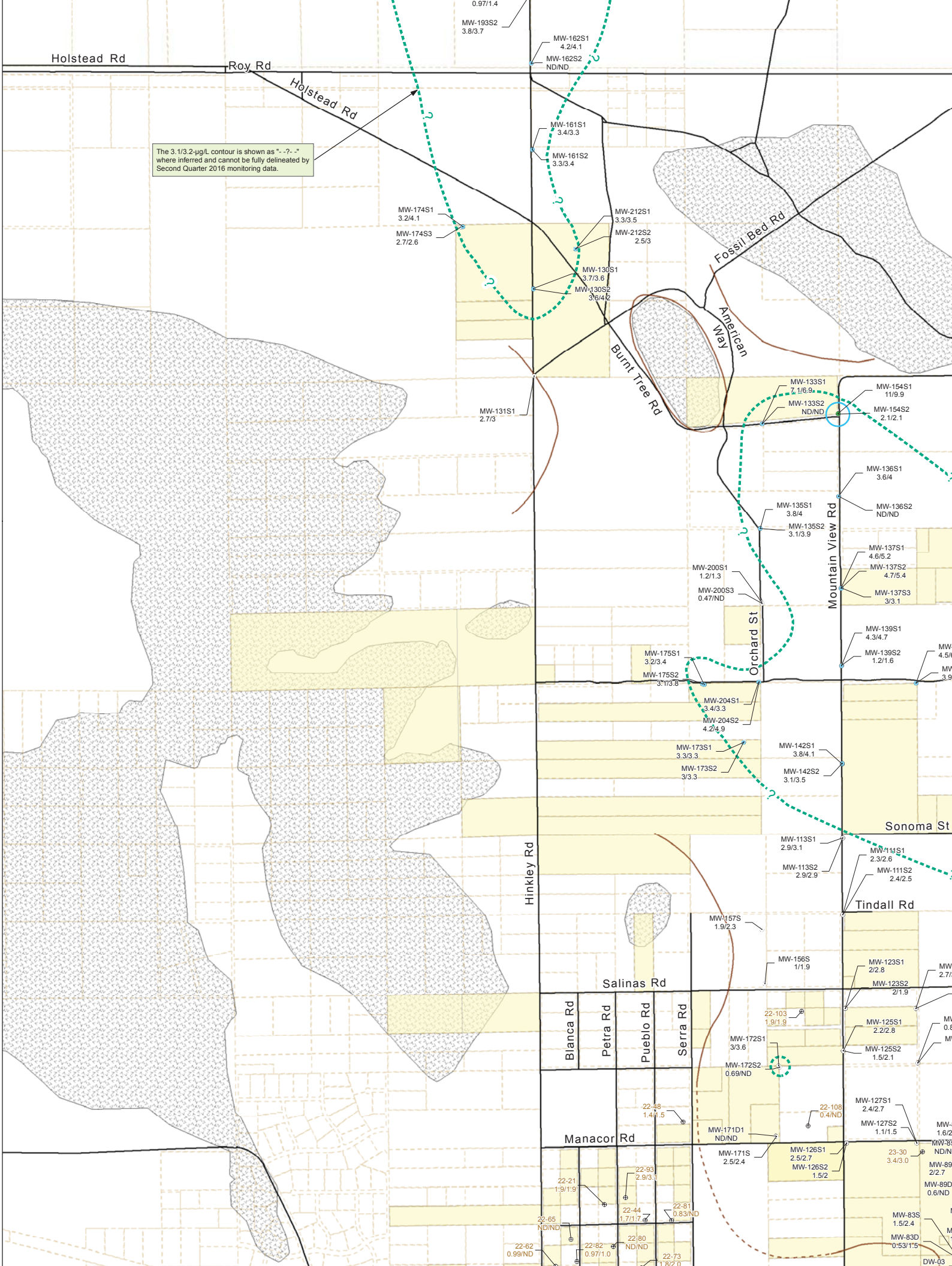
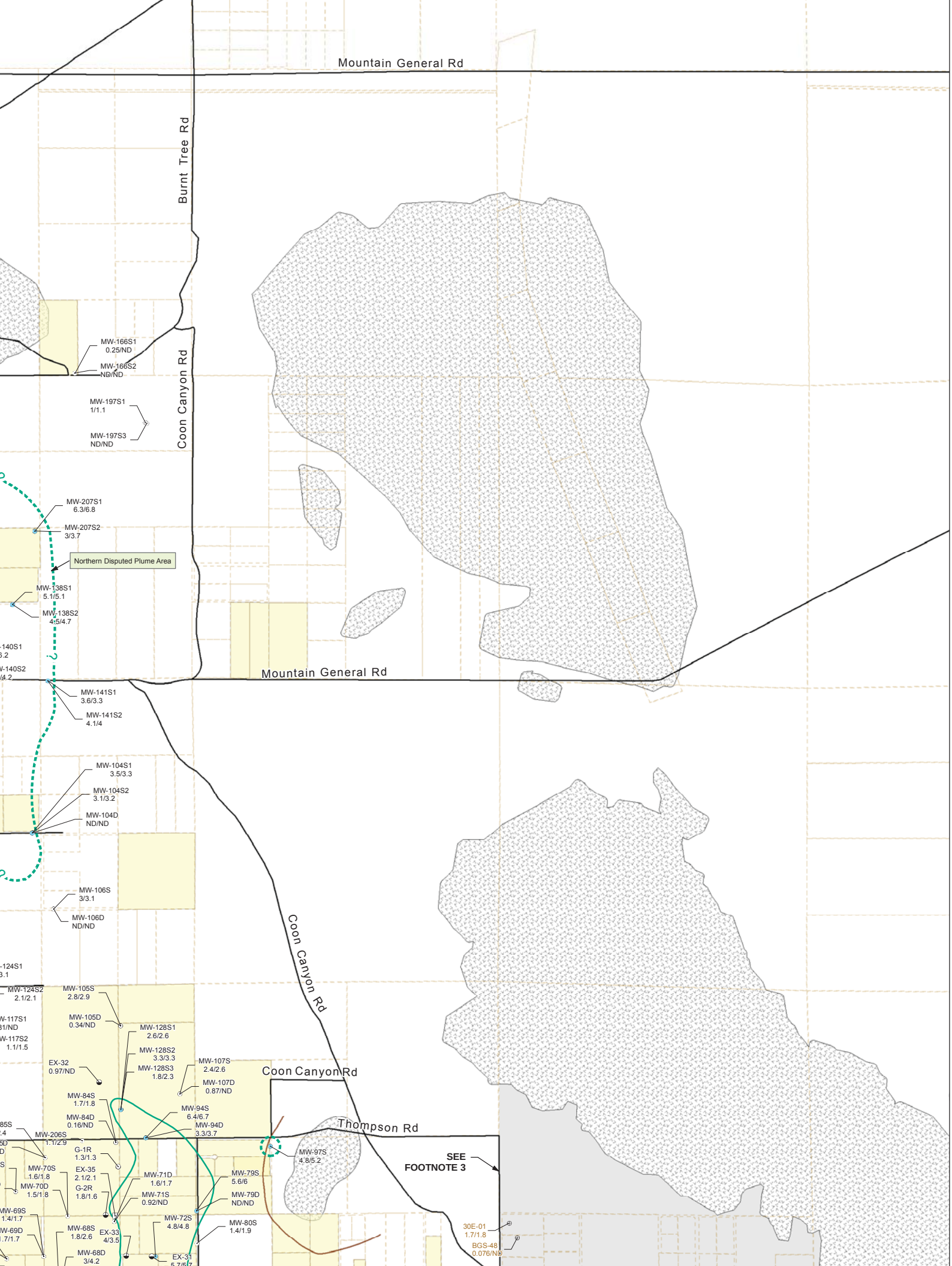
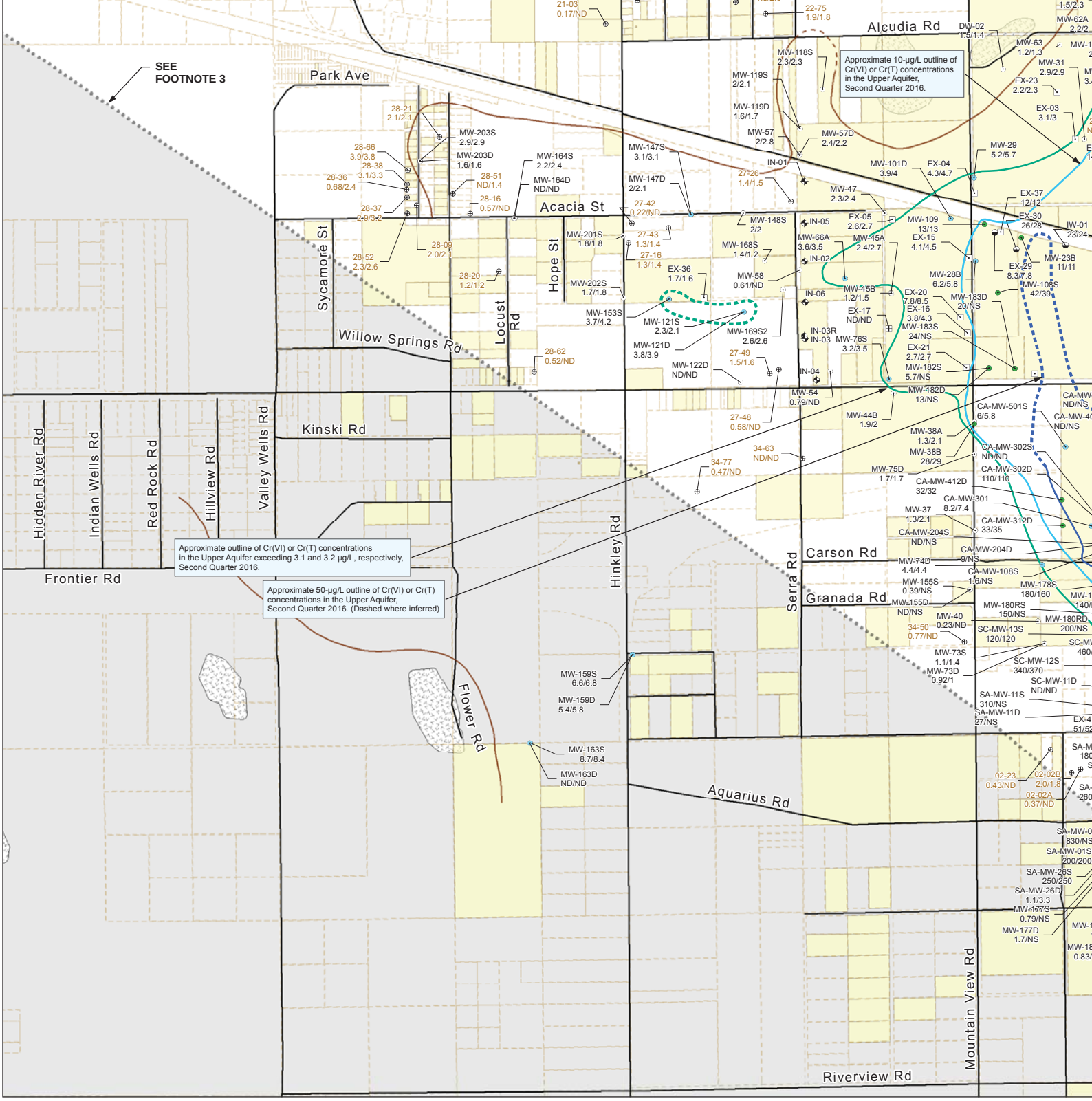

Orchard Rd
MW-184S3
4.7/4.7
MW-184S1
1.9/2.6
Northern Disputed Plume Area
Grass Hopper
Bn Ranch Rd
Harpers Way
Hinkley Rd
MW-205S1
2.6/2.8
MW-205S2
4.2/3.9
MW-205S3
4/3.7
MW-185S1
4.9/5.1
MW-185S2
3.9/4.3
MW-196S1
3.7/4.3
MW-196S2
2.1/2
Halsted Rd
28N-05
3.4/3.2
MW-186S1
5.3/6.9
MW-186S3
4/7.2
MW-194S1
4.6/6
MW-194S3
0.34/1
American Ave
Friends Rd
MW-195S1
3.5/3.4
MW-195S2
4.1/4.9
Northern Disputed Plume Area
MW-188S1
6.9/7.1
MW-188S3
4.2/8.3
Sunset Rd
American Ave
MW-193S1
4.5/4.7
Plymouth Rd
MW-193S3


Fossil Bed Rd


0.97/1.4
MW-193S2
3.8/3.7
MW-162S1
4.2/4.1
MW-162S2
ND/ND
Holstead Rd
Roy Rd
Holstead Rd
The 3.1/3.2-µg/L contour is shown as "- -?- -" where inferred and cannot be fully delineated by Second Quarter 2016 monitoring data.
MW-161S1
3.4/3.3
MW-161S2
3.3/3.4
MW-174S1
3.2/4.1
MW-174S3
2.7/2.6
MW-212S1
3.3/3.5
MW-212S2
2.5/3
MW-130S1
3.7/3.6
MW-130S2
3.6/4.2
Fossil Bed Rd
American Way
Burnt Tree Rd
MW-131S1
2.7/3
MW-133S1
7.1/6.9
MW-133S2
ND/ND
MW-154S1
11/9.9
MW-154S2
2.1/2.1
MW-136S1
3.6/4
MW-136S2
ND/ND
MW-135S1
3.8/4
MW-135S2
3.1/3.9
Mountain View Rd
MW-137S1
4.6/5.2
MW-137S2
4.7/5.4
MW-137S3
3/3.1
MW-200S1
1.2/1.3
MW-200S3
0.47/ND
Orchard St
MW-139S1
4.3/4.7
MW-139S2
1.2/1.6
MW-175S1
3.2/3.4
MW-175S2
3.1/3.8
MW-204S1
3.4/3.3
MW-204S2
4.2/4.9
MW-173S1
3.3/3.3
MW-173S2
3/3.3
MW-142S1
3.8/4.1
MW-142S2
3.1/3.5
Sonoma St
MW-113S1
2.9/3.1
MW-113S2
2.9/2.9
MW-111S1
2.3/2.6
MW-111S2
2.4/2.5
Hinkley Rd
Tindall Rd
MW-157S
1.9/2.3
MW-156S
1/1.9
Salinas Rd
MW-123S1
2/2.8
MW-123S2
2/1.9
Blanca Rd
Petra Rd
Pueblo Rd
Serra Rd
22-103
1.9/1.9
MW-125S1
2.2/2.8
MW-172S1
3/3.6
MW-125S2
1.5/2.1
MW-172S2
0.69/ND
22-48
1.4/1.5
22-108
0.4/ND
MW-127S1
2.4/2.7
MW-127S2
1.1/1.5
MW-171D1
ND/ND
Manacor Rd
MW-171S
2.5/2.4
MW-126S1
2.5/2.7
MW-126S2
1.5/2
23-30
3.4/3.0
22-21
1.9/1.9
22-93
2.9/3.1
22-44
1.7/1.7
22-81
0.83/ND
22-65
ND/ND
22-62
0.99/ND
22-82
0.97/1.0
22-80
ND/ND
22-73
MW-89S
2/2.7
MW-89D
0.6/ND
MW-83S
1.5/2.4
MW-83D
0.53/1.5
DW-03


Mountain General Rd
Burnt Tree Rd
Coon Canyon Rd
MW-166S1
0.25/ND
MW-166S2
ND/ND
MW-197S1
1/1.1
MW-197S3
ND/ND
MW-207S1
6.3/6.8
MW-207S2
3/3.7
Northern Disputed Plume Area
MW-138S1
5.1/5.1
MW-138S2
4.5/4.7
Mountain General Rd
MW-141S1
3.6/3.3
MW-141S2
4.1/4
MW-104S1
3.5/3.3
MW-104S2
3.1/3.2
MW-104D
ND/ND
MW-106S
3/3.1
MW-106D
ND/ND
Coon Canyon Rd
MW-124S2
2.1/2.1
MW-105S
2.8/2.9
MW-105D
0.34/ND
MW-128S1
2.6/2.6
MW-128S2
3.3/3.3
MW-128S3
1.8/2.3
EX-32
0.97/ND
MW-107S
2.4/2.6
MW-107D
0.87/ND
Coon Canyon Rd
MW-84S
1.7/1.8
MW-84D
0.16/ND
MW-94S
6.4/6.7
MW-94D
3.3/3.7
Thompson Rd
MW-206S
1.1/2.9
G-1R
1.3/1.3
MW-97S
4.8/5.2
SEE
FOOTNOTE 3
MW-70S
1.6/1.8
MW-70D
1.5/1.8
EX-35
2.1/2.1
G-2R
1.8/1.6
MW-71D
1.6/1.7
MW-71S
0.92/ND
MW-79S
5.6/6
MW-79D
ND/ND
MW-72S
4.8/4.8
MW-80S
1.4/1.9
30E-01
1.7/1.8
BGS-48
0.076/ND
MW-68S
1.8/2.6
EX-33
4/3.5
MW-68D
3/4.2
EX-31



LEGEND:

- Groundwater Monitoring Well
- Agricultural Supply Well
- Domestic Supply Well
- Other Supply Well
- Groundwater Extraction Well (Active)
- Multiuse Test Well, or Inactive Extraction/Injection Well
- Freshwater Injection Well
- PG&E-Owned Property
- PG&E Compressor Station
- County Parcel
- Approximate Limit of Saturated Alluvium Upper Aquifer
- Approximate Location of Lockhart Fault; Fault Trace is Inferred, and There is No Surface Expression (Stamos et al., 2001)
- Bedrock Exposed at Ground Surface

MW-77S — Well ID
0.88/ND — Cr(VI)/Cr(T) concentrations in µg/L; maximum of primary and duplicate samples during Second Quarter 2016 sampling.

ABBREVIATIONS:

µg/L	Micrograms per Liter
Cr(VI)	Hexavalent Chromium
Cr(T)	Total Dissolved Chromium
IRZ	In Situ Reactive Zone
ND	Not Detected
NS	Not Sampled

Groundwater Cr(VI) concentrations in monitoring wells:

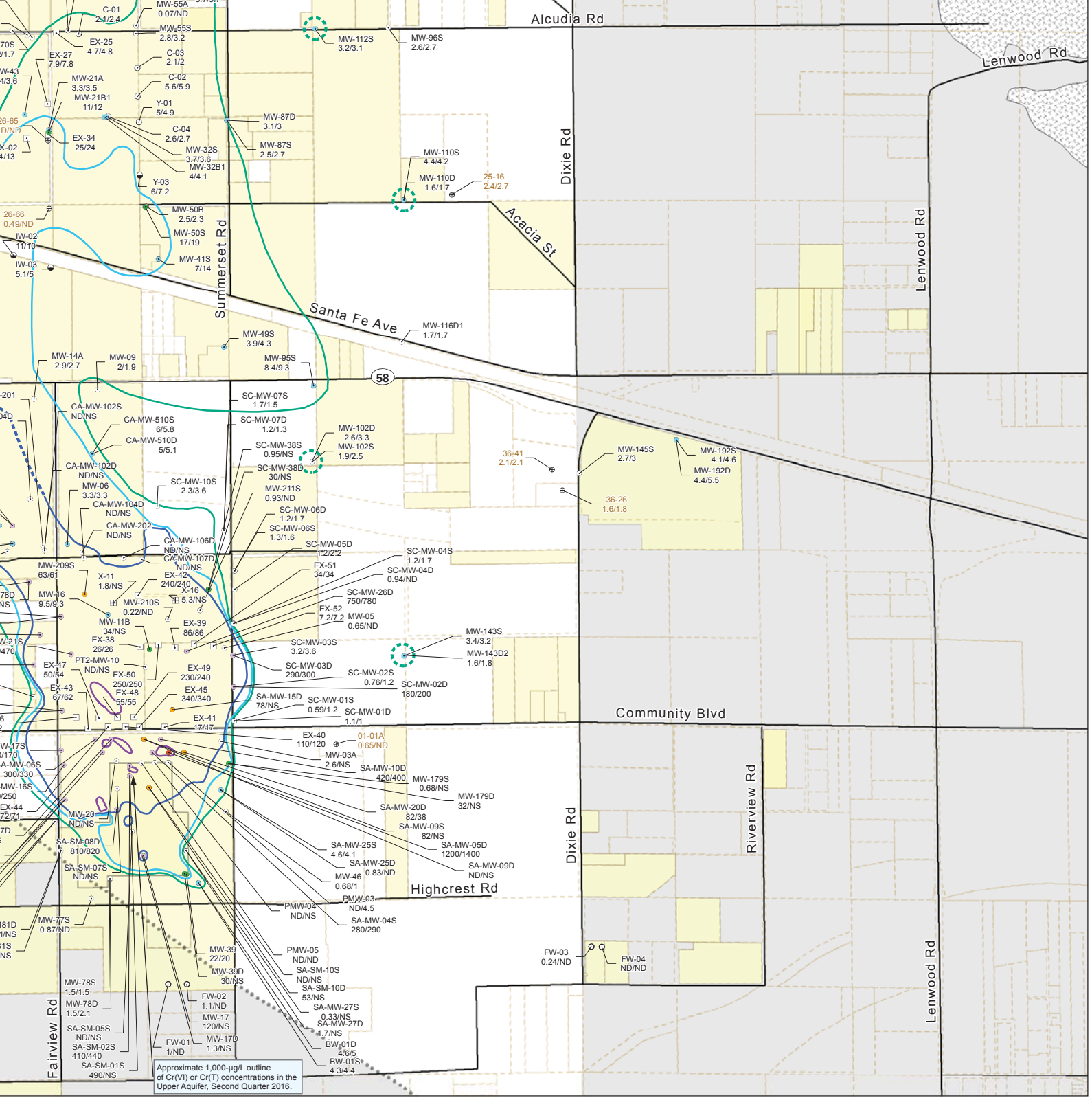
- More than 1,000 µg/L
- 100 to 1,000 µg/L
- 50 to 100 µg/L
- 10 to 50 µg/L
- 3.1 to 10 µg/L
- Less than 3.1 µg/L or ND

NOTES:

1. Chromium results are shown for Site-wide Groundwater Monitoring Program and domestic wells the reporting period, the most recent results are shown.
2. The concentration contours are based on Second Quarter 2016 chromium results for the groundv Upper Aquifer as noted on Figures 5-1 and 5-2. Results for domestic wells (brown-colored labels pursuant to the Lahonton Regional Water Quality Control Board's Cleanup and Abatement Order
3. Pursuant to the Lahonton Regional Water Quality Control Board's Cleanup and Abatement Order if they are located in the areas southwest of the Lockhart Fault and on or east of Dixie Road. Mor United States Geological Survey background chromium investigations.
4. Chromium plume contours in the general area south of Highway 58, were developed using a larg the In Situ Reactive Zone and Northwest Freshwater Injection Projects (Arcadis 2016). Select we

WORK CITED:

Stamos, C.L., P. Martin, T. Nishikawa, and B.F. Cox. 2001. *Simulation of Ground-Water Flow in the* Prepared in cooperation with the Mojave Water Agency.



sampled in the Second Quarter (April through June) 2016 monitoring period. For wells sampled multiple times during

water monitoring and extraction wells that are completed in the shallow zone and deep zone of the s) were not used for chromium plume contouring, except for those in the northern disputed plume areas, dated November 4, 2015.

dated November 4, 2015, groundwater monitoring wells are not used for chromium contouring nitoring wells sampled southwest of Lockhart Fault and east of Dixie Road were sampled in support of

er set of monitoring data which is presented in the the July 29, 2016 Second Quarter 2016 Monitoring Report for lls from that program are shown here for reference.

Mojave River Basin, California. U.S. Geological Survey Water-Resources Investigations Report 01-4002, Version 3.

N

0 1,000 2,000 Feet

FIGURE 5-5
CHROMIUM RESULTS FOR SECOND QUARTER 2016 GROUNDWATER GROUNDWATER MONITORING AND DOMESTIC WELL SAMPLING AND MAXIMUM COMPOSITE PLUME OUTLINE IN UPPER AQUIFER

SECOND QUARTER 2016 GROUNDWATER MONITORING REPORT AND DOMESTIC WELL RESULTS
SITE-WIDE GROUNDWATER MONITORING PROGRAM

PACIFIC GAS AND ELECTRIC COMPANY
HINKLEY COMPRESSOR STATION
HINKLEY, CALIFORNIA