




















**Map Grid Index**

## 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
-  Transmission Line
-  Approximate Limit of Saturated Alluvium Upper Aquifer (Dashed Where Inferred)
-  Approximate Location of Lockhart Fault; Fault Trace is Inferred, and There is No Surface Expression (Stamos et al., 2001)
-  Bedrock Exposed at Ground Surface
-  See Footnote 3.
-  Approximate Outline of Cr(VI) or Cr(T) in Upper Aquifer Exceeding Values of 3.1 and 3.2 µg/L, Respectively, Fourth Quarter 2015
-  Approximate 10 µg/L Outline of Cr(VI) or Cr(T) Concentrations in Upper Aquifer, Fourth Quarter 2015
-  Approximate 50 µg/L Outline of Cr(T) Concentrations in Upper Aquifer, Fourth Quarter 2015
-  Approximate 1,000 µg/L Outline of Cr(VI) or Cr(T) Concentrations in Upper Aquifer, Fourth Quarter 2015

MW-77S Well ID  
0.92/ND Cr(VI)/Cr(T) concentrations in µg/L; maximum of primary and duplicate samples during Fourth Quarter 2015 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:

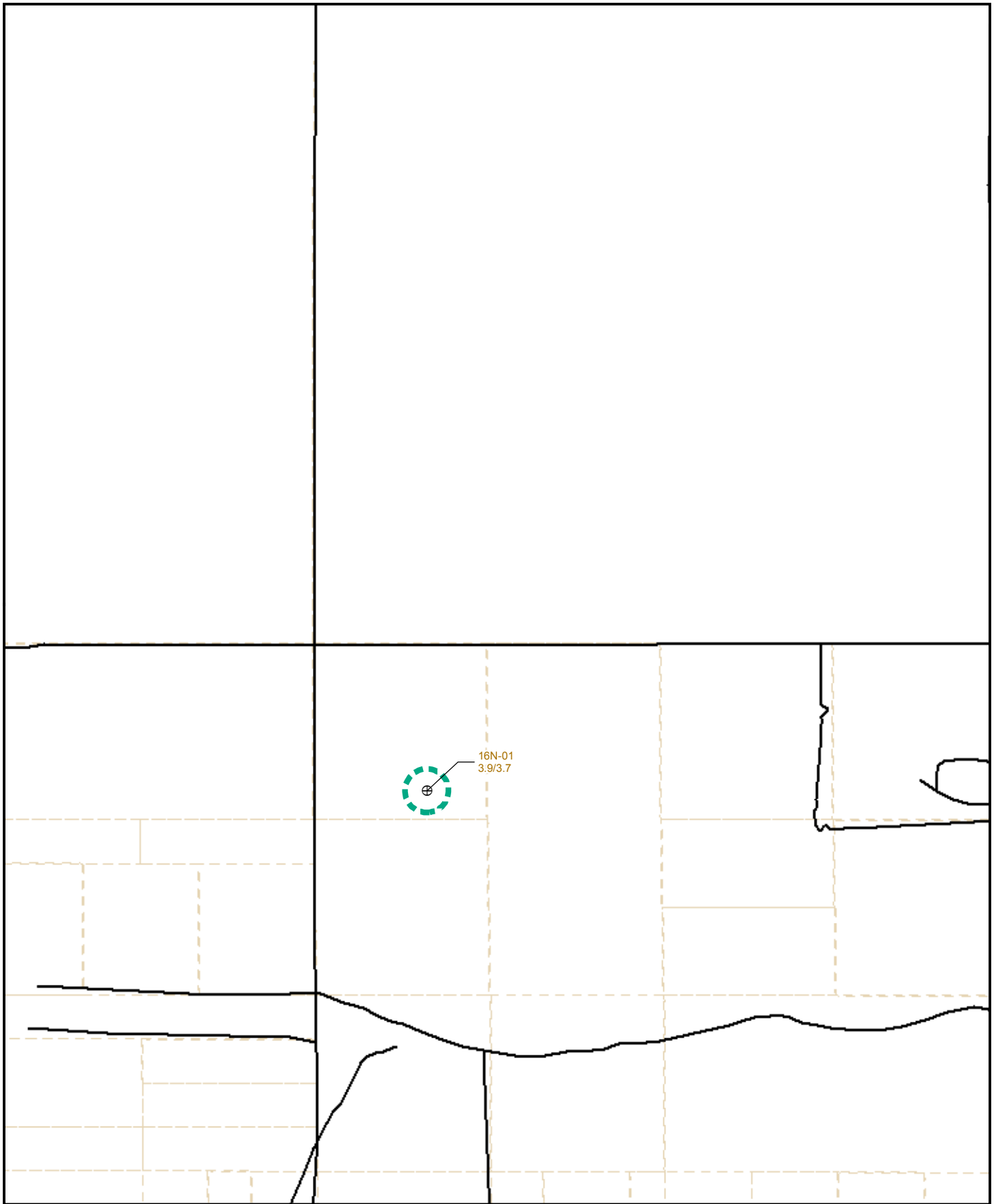
-  More than 1,000 µg/L
-  10 to 50 µg/L
-  100 to 1,000 µg/L
-  3.1 to 10 µg/L
-  50 to 100 µg/L
-  Less than 3.1 µg/L or ND

## NOTES:

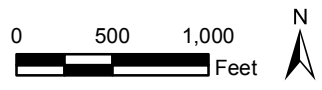
- Chromium results are shown for Site-wide Groundwater Monitoring Program and domestic wells sampled in the Fourth Quarter (October through December) 2015 monitoring period. For wells sampled multiple times during the reporting period, the most recent results are shown.
- The concentration contours are based on Fourth Quarter 2015 chromium results for the groundwater monitoring and extraction wells that are completed in the shallow zone and deep zone of the Upper Aquifer as noted on Figures 5-1 and 5-2. Results for domestic wells (brown-colored labels) were not used for chromium plume contouring except for those in the northern area, pursuant to the Lahontan Regional Water Quality Control Board's Cleanup and Abatement Order dated November 4, 2015.
- Pursuant to the Lahontan Regional Water Quality Control Board's letter Review of Chromium Plume Maps, Third Quarter 2013 Groundwater Monitoring Report and Agreement with Northern Investigation Concept dated December 12, 2013, groundwater monitoring wells are not used for chromium contouring if they are located in the areas southwest of the Lockhart Fault and on or east of Dixie Road.
- Chromium plume contours for concentrations of 10, 50 and 1000 µg/L south of Highway 58 were developed using the more robust dataset presented in the January 15, 2016 Fourth Quarter 2015 Monitoring Report for the In Situ Reactive Zone and Northwest Freshwater Injection Projects (Arcadis 2016) and represent a composite of the shallow and deep zone contours presented therein. Select wells from that program are shown here for reference.

## WORKS CITED:

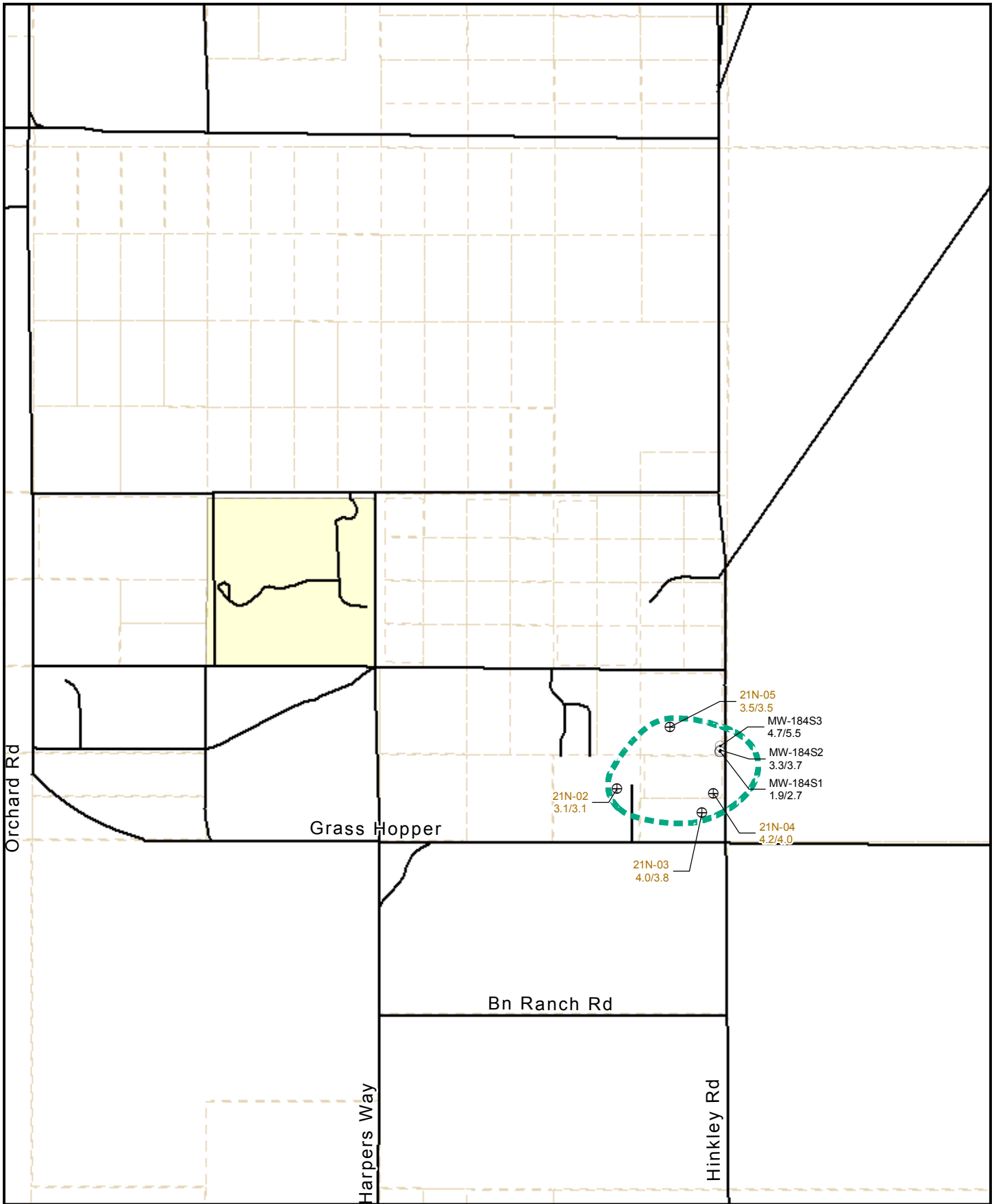
- Stamos, C.L., P. Martin, T. Nishikawa, and B.F. Cox. 2001.  
*Simulation of Ground-Water Flow in the Mojave River Basin, California.*  
U.S. Geological Survey Water-Resources Investigations Report 01-4002, Version 3.  
Prepared in cooperation with the Mojave Water Agency.



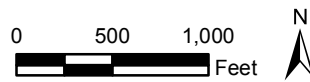
**See Legend Figure for  
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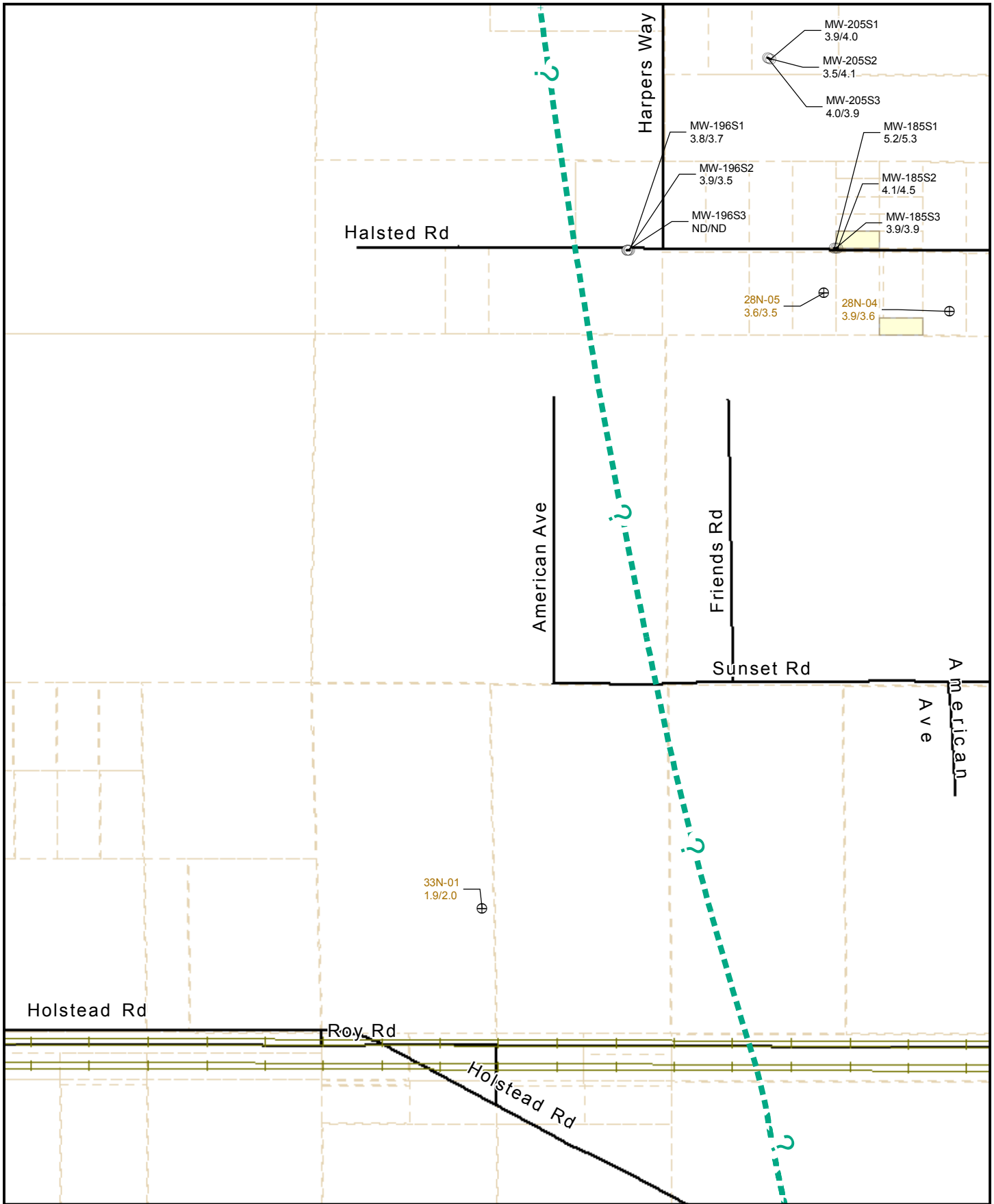
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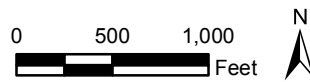
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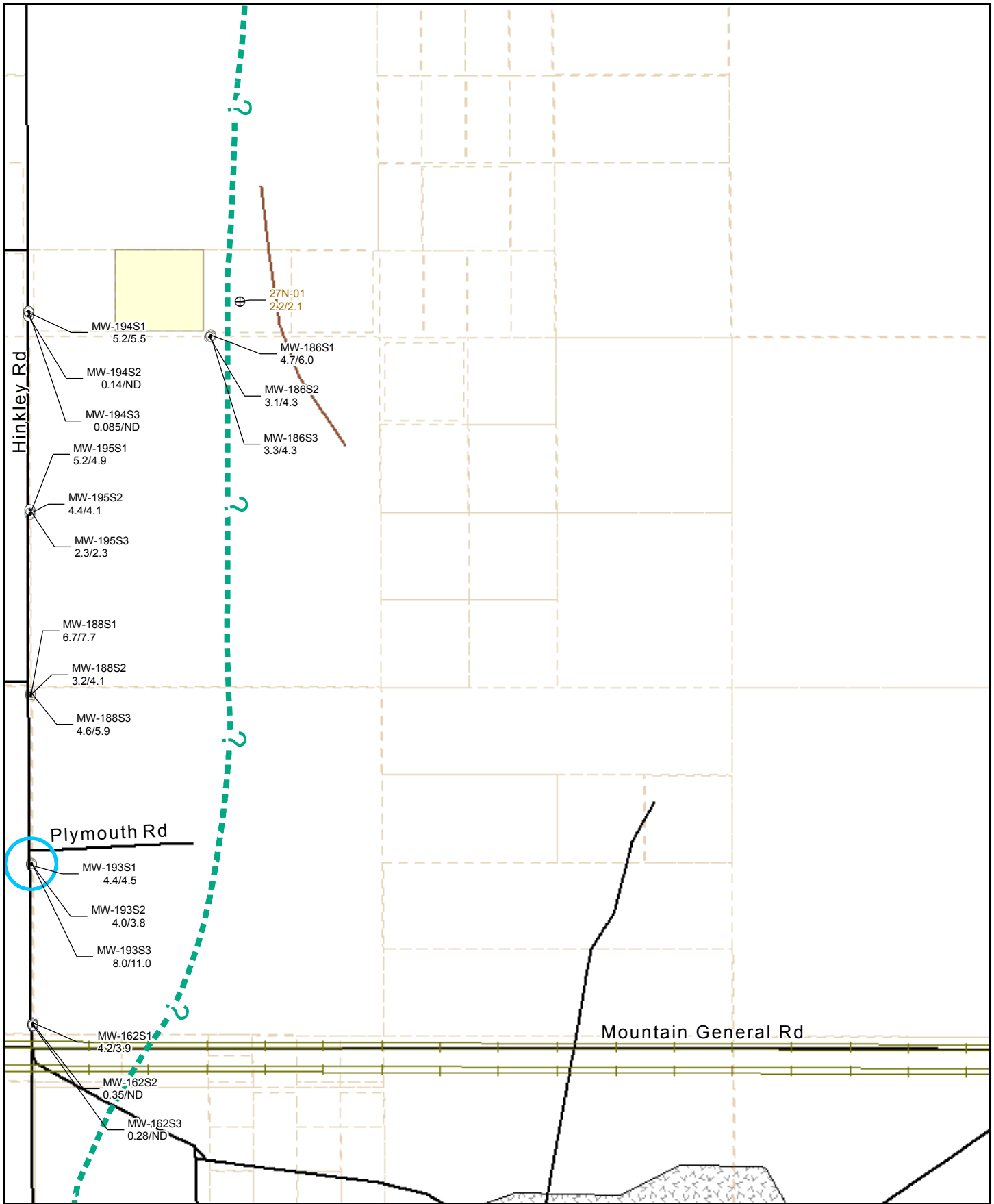
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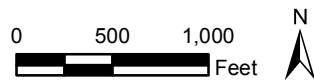
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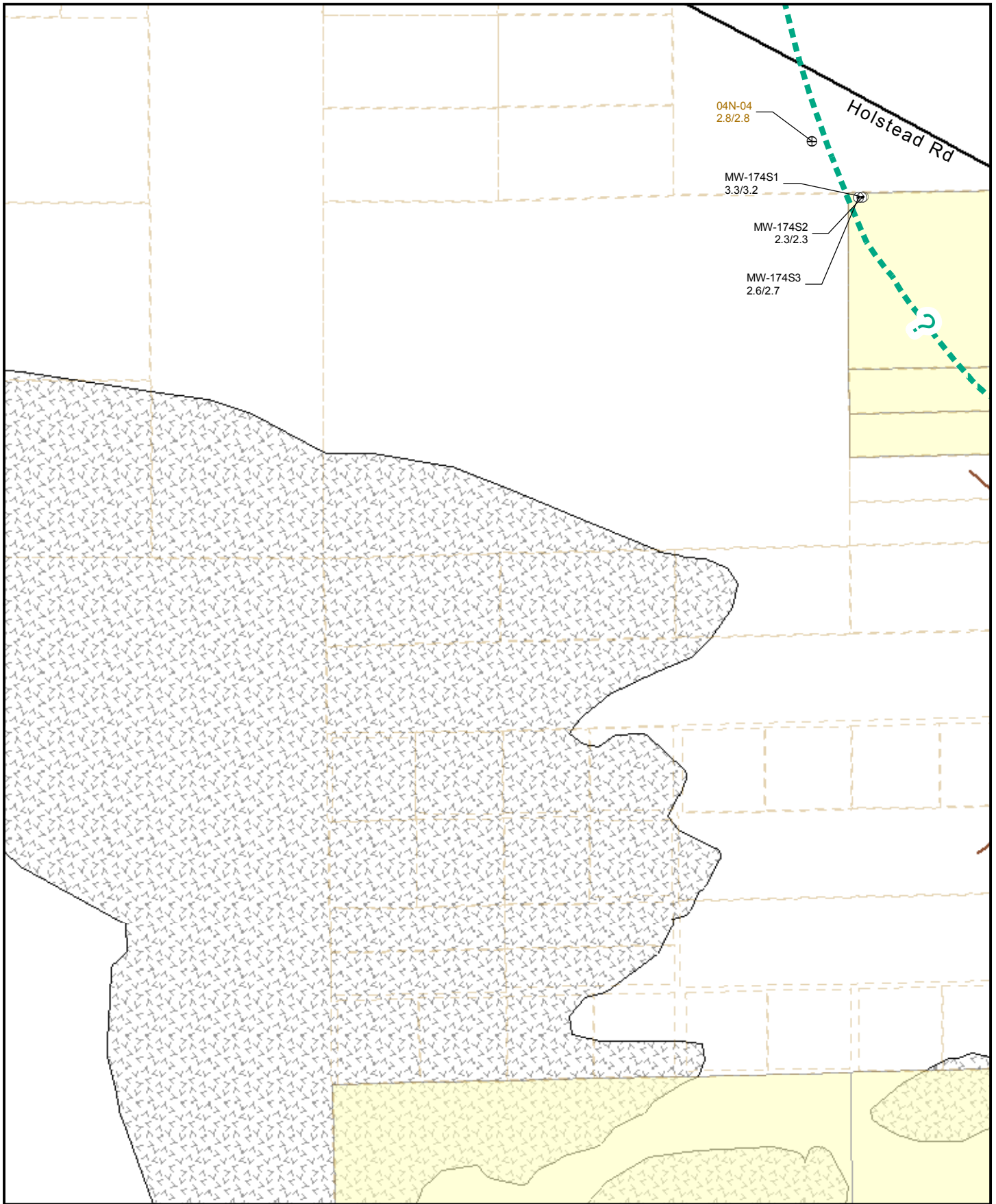
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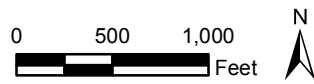
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MAP 04

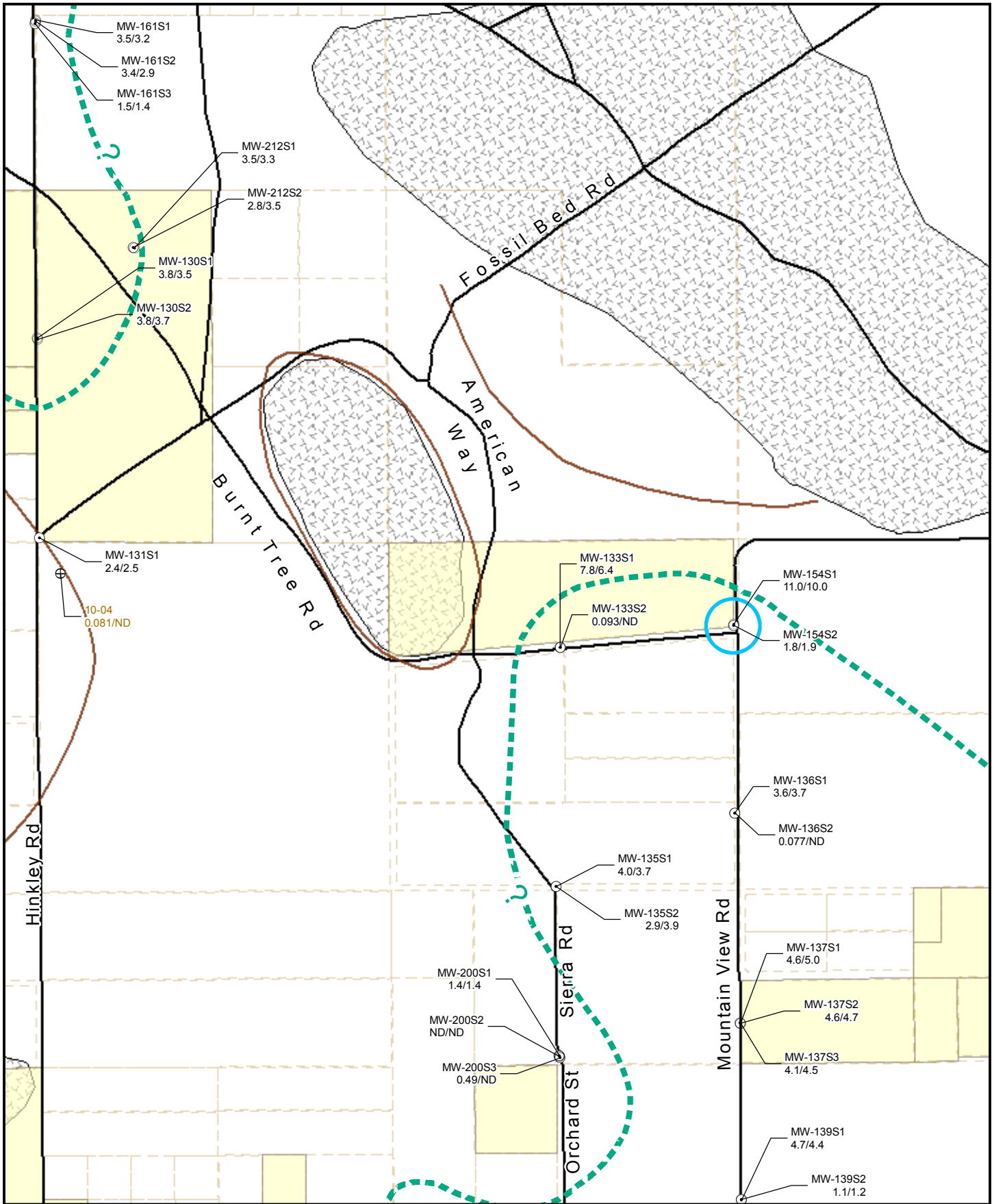


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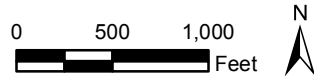


**MAP 05**



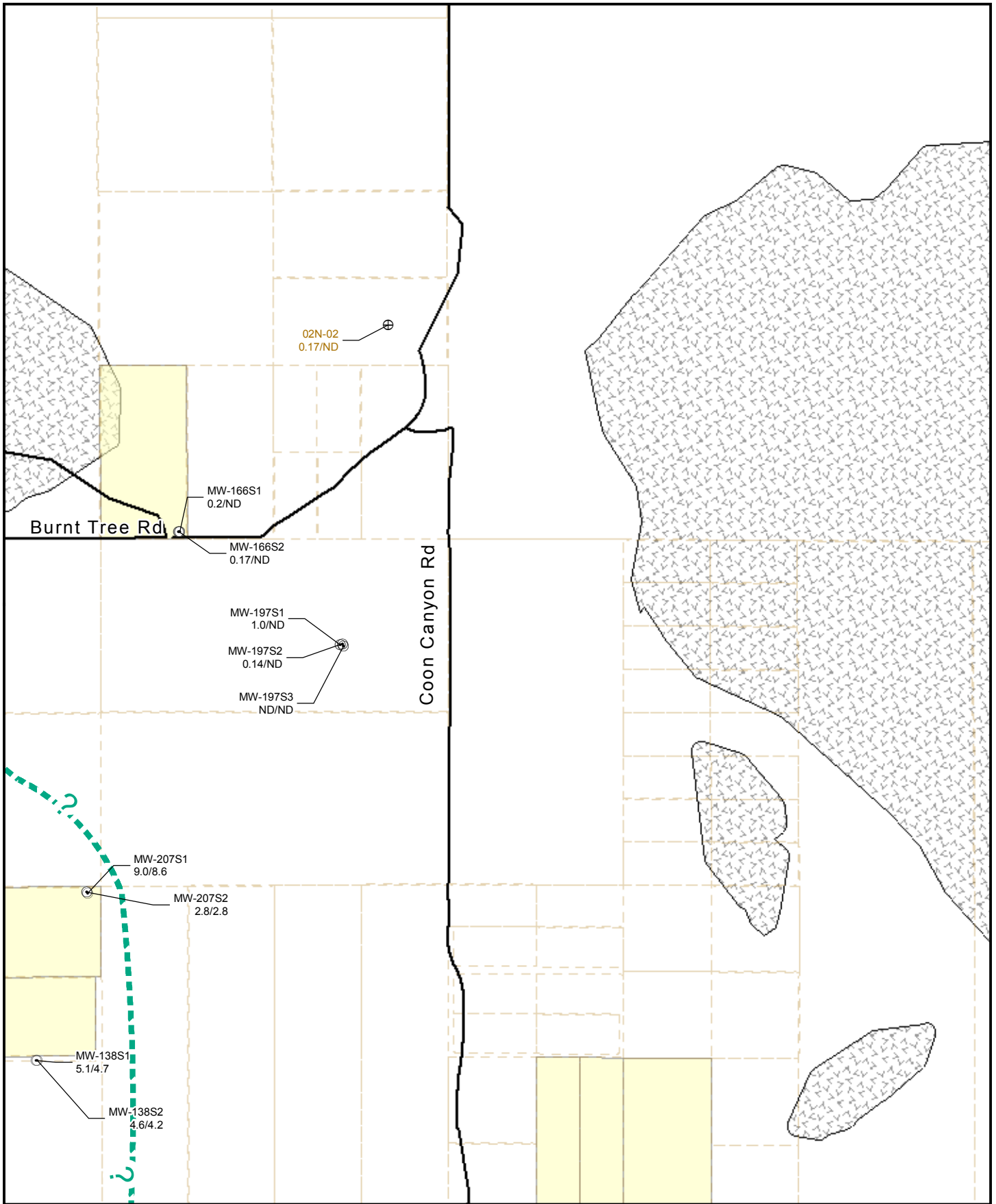


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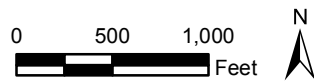


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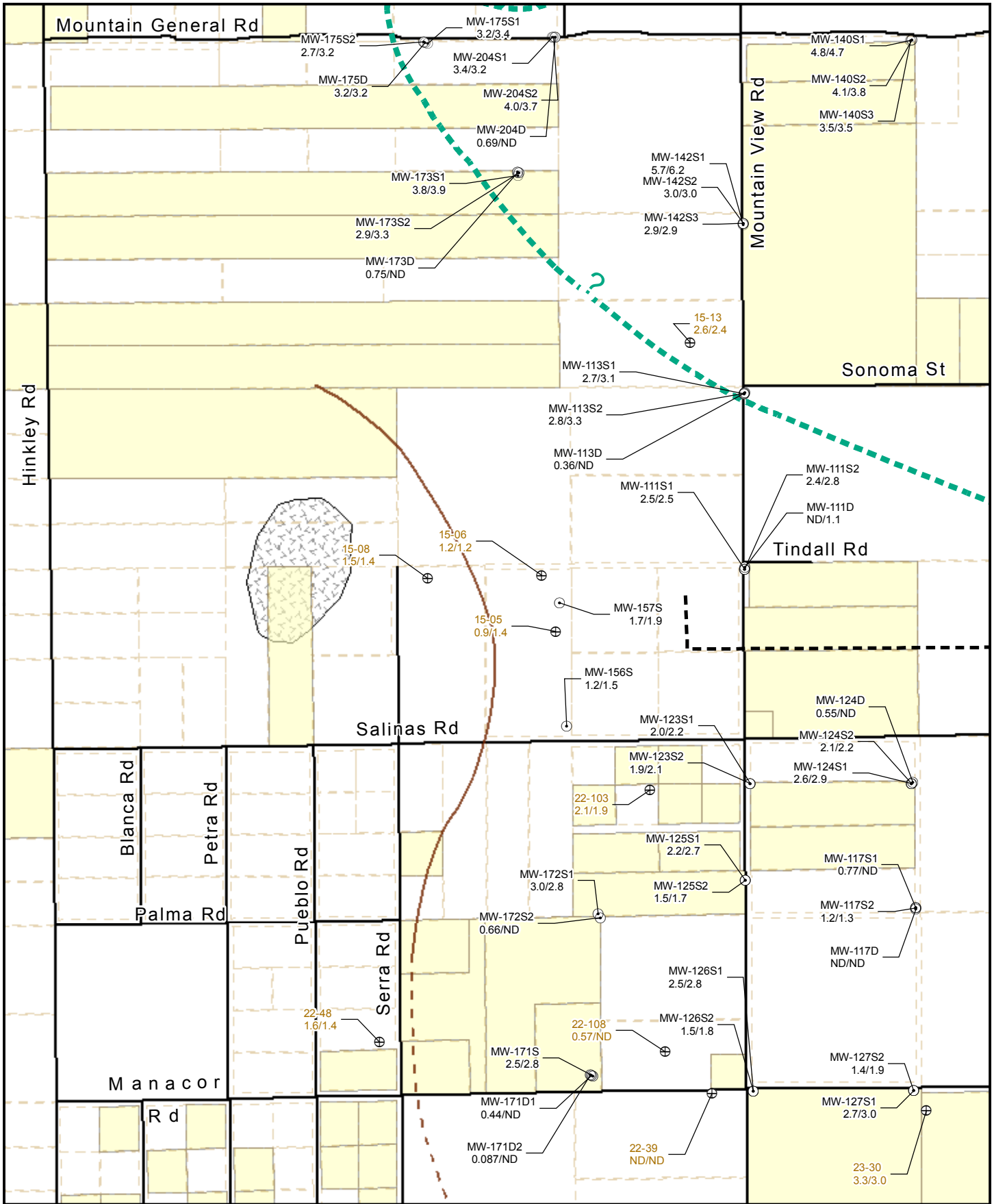




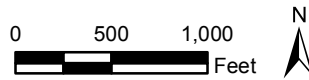
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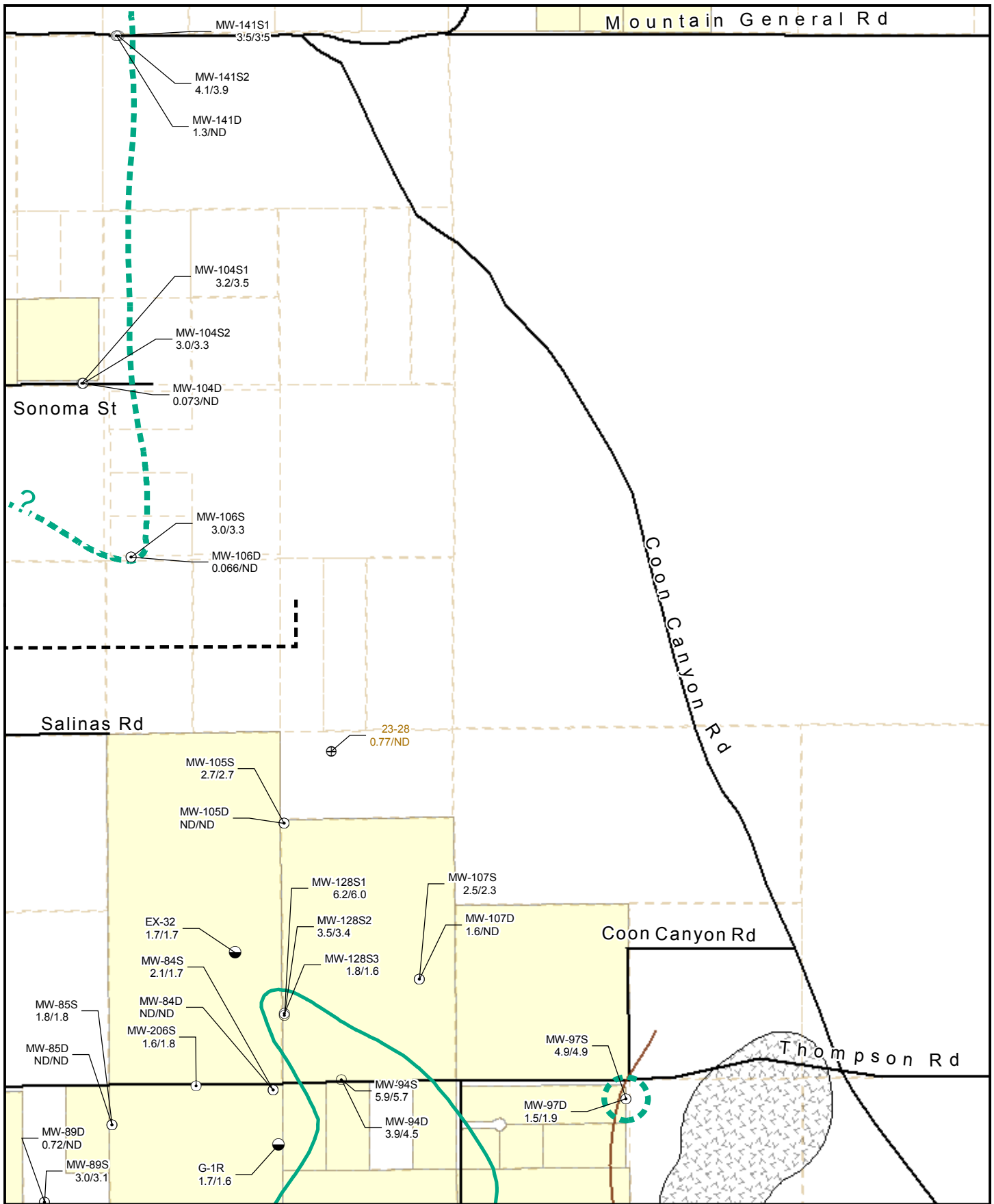
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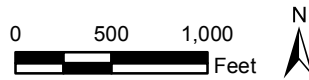
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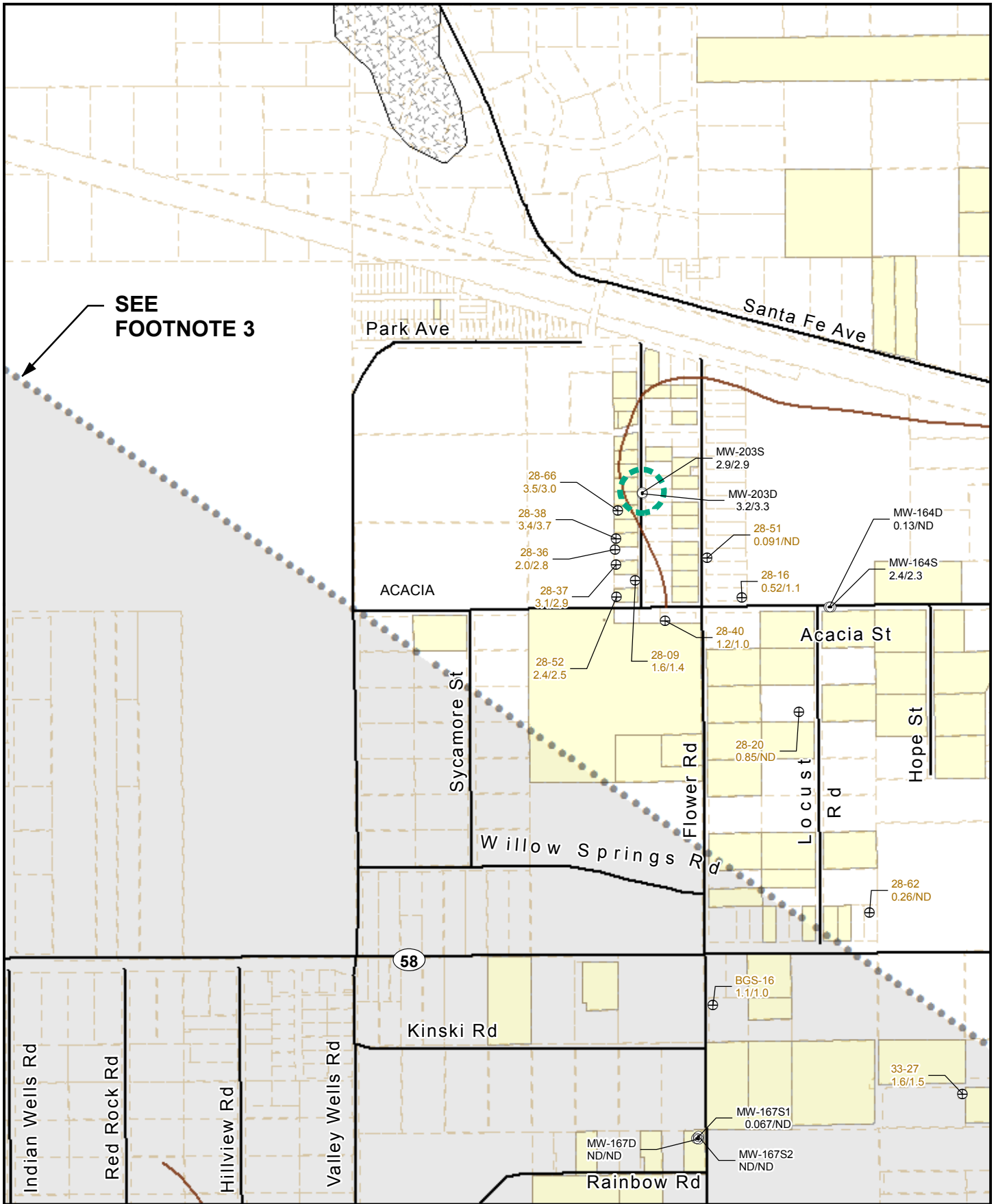
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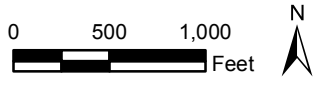


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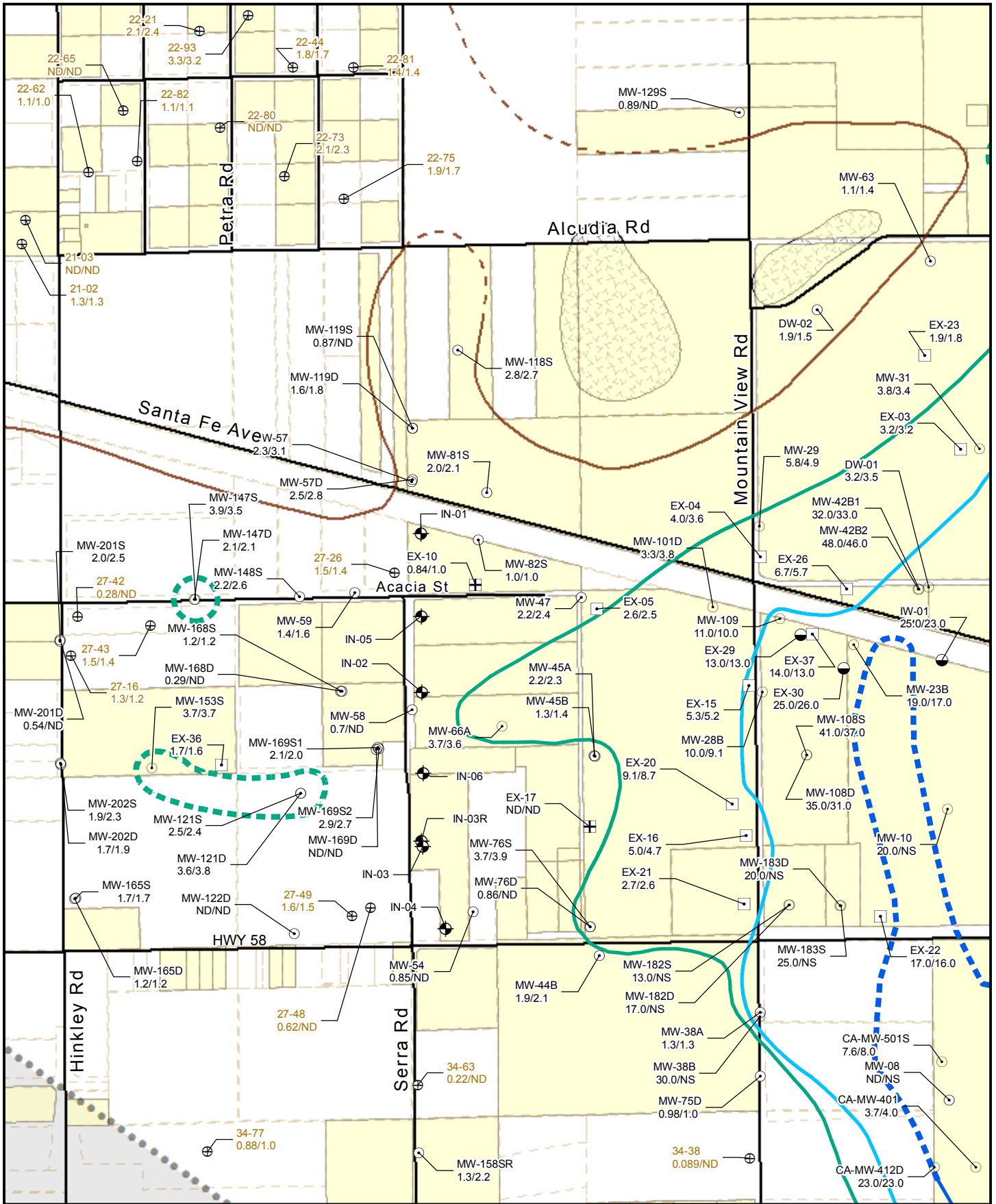


SEE FOOTNOTE 3

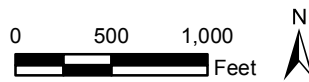
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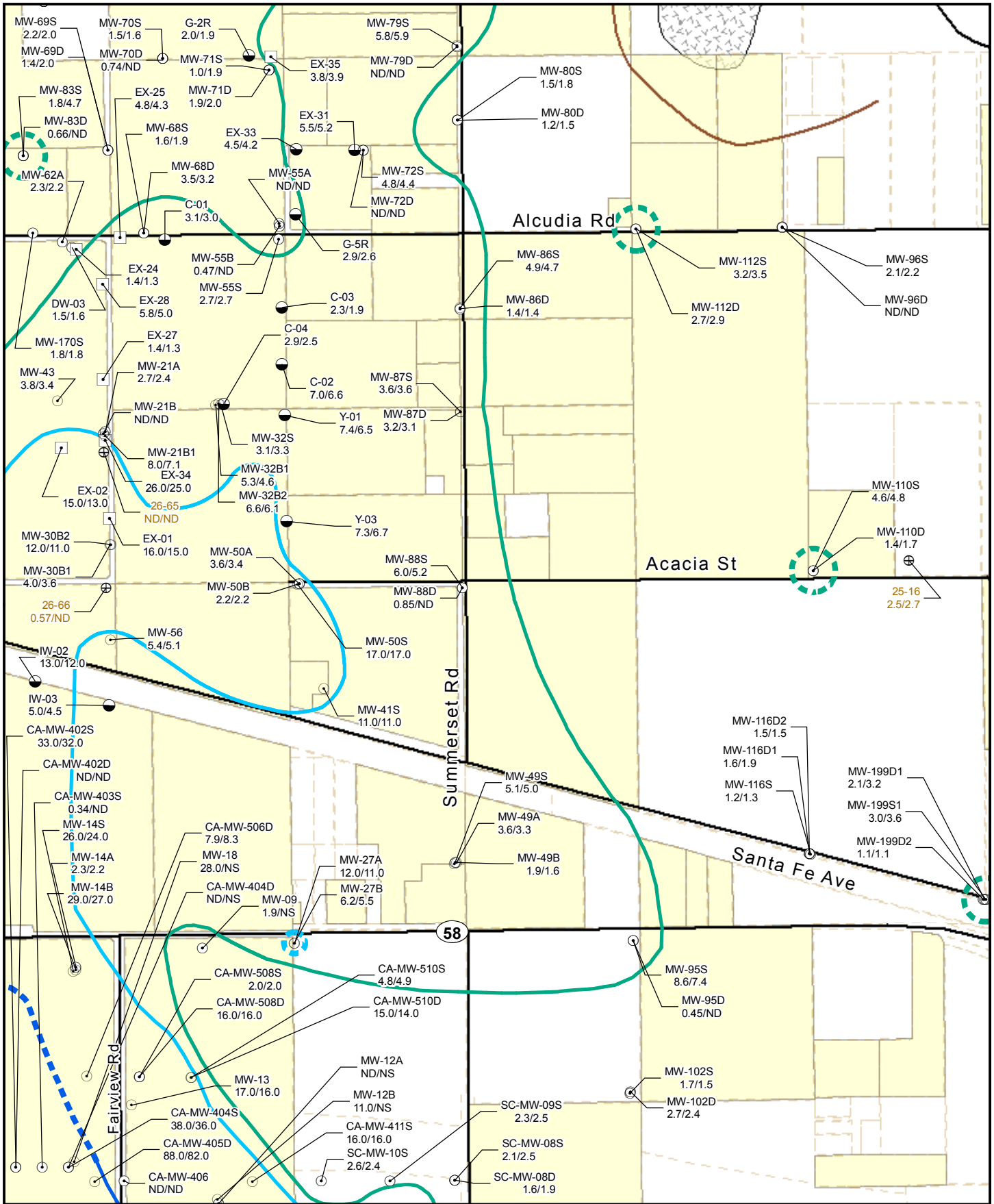
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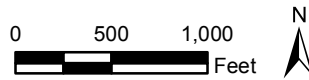
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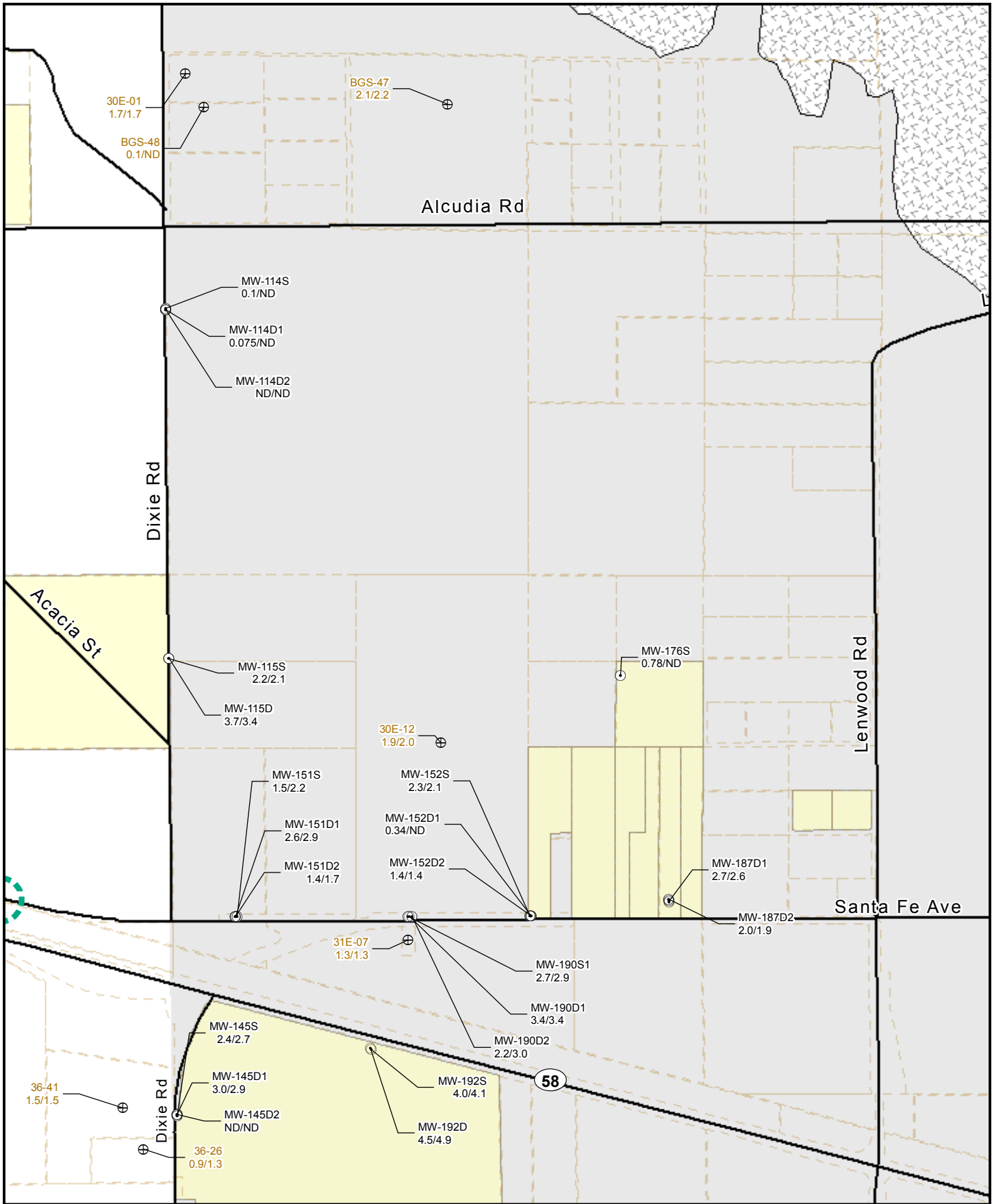


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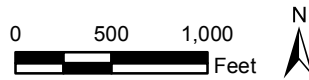


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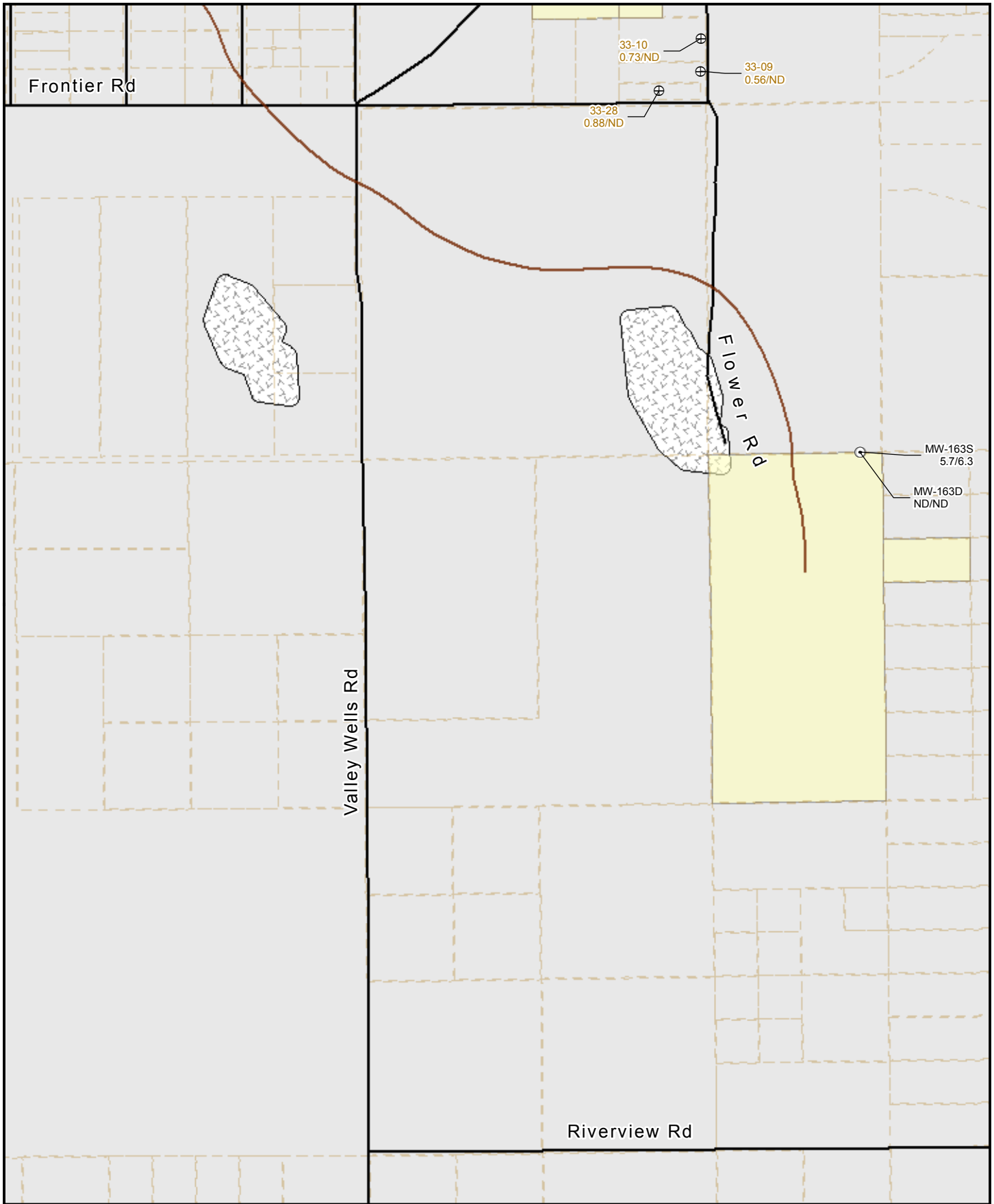


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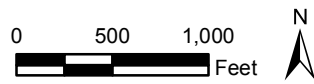


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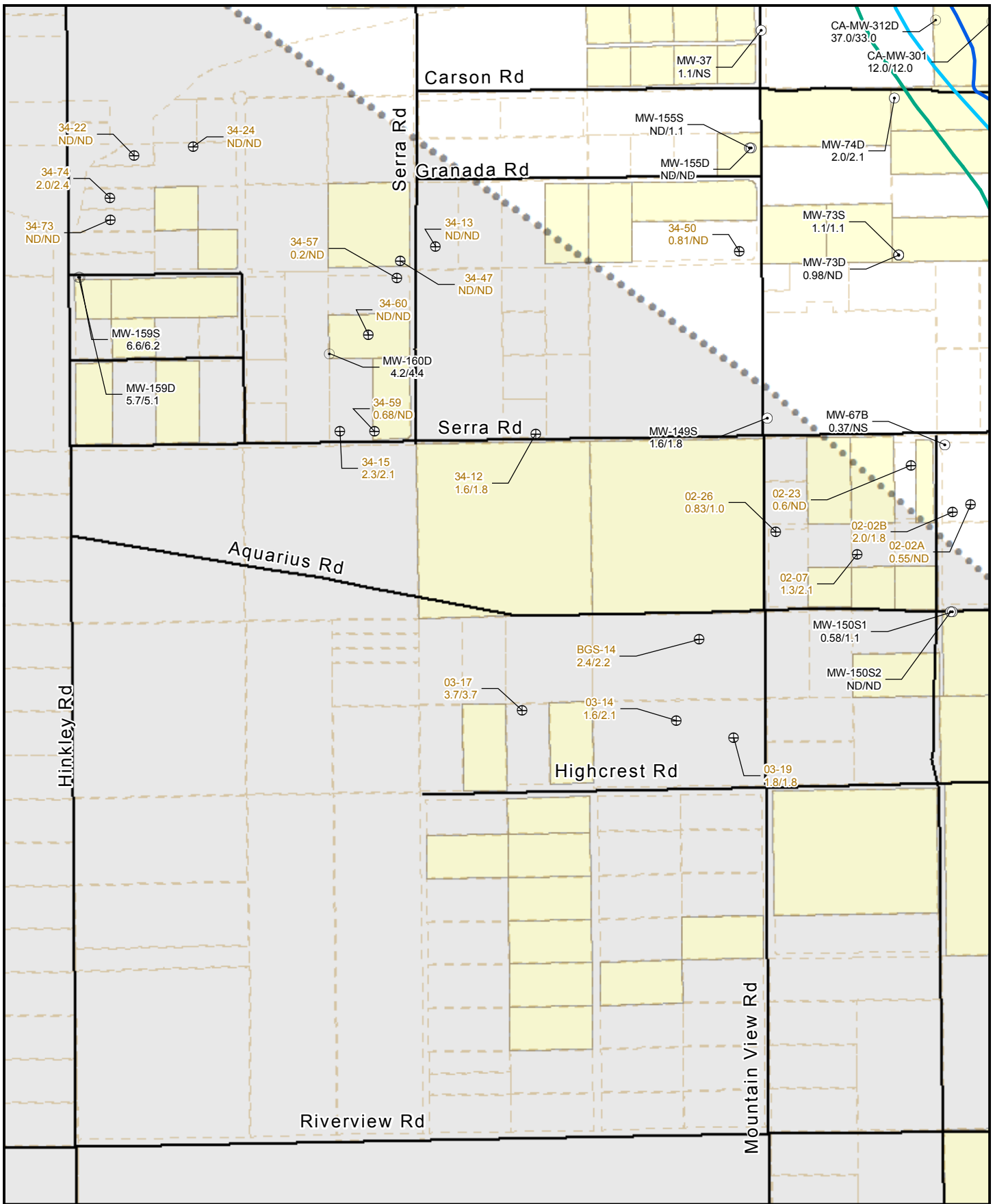




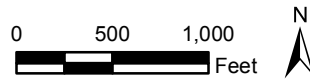
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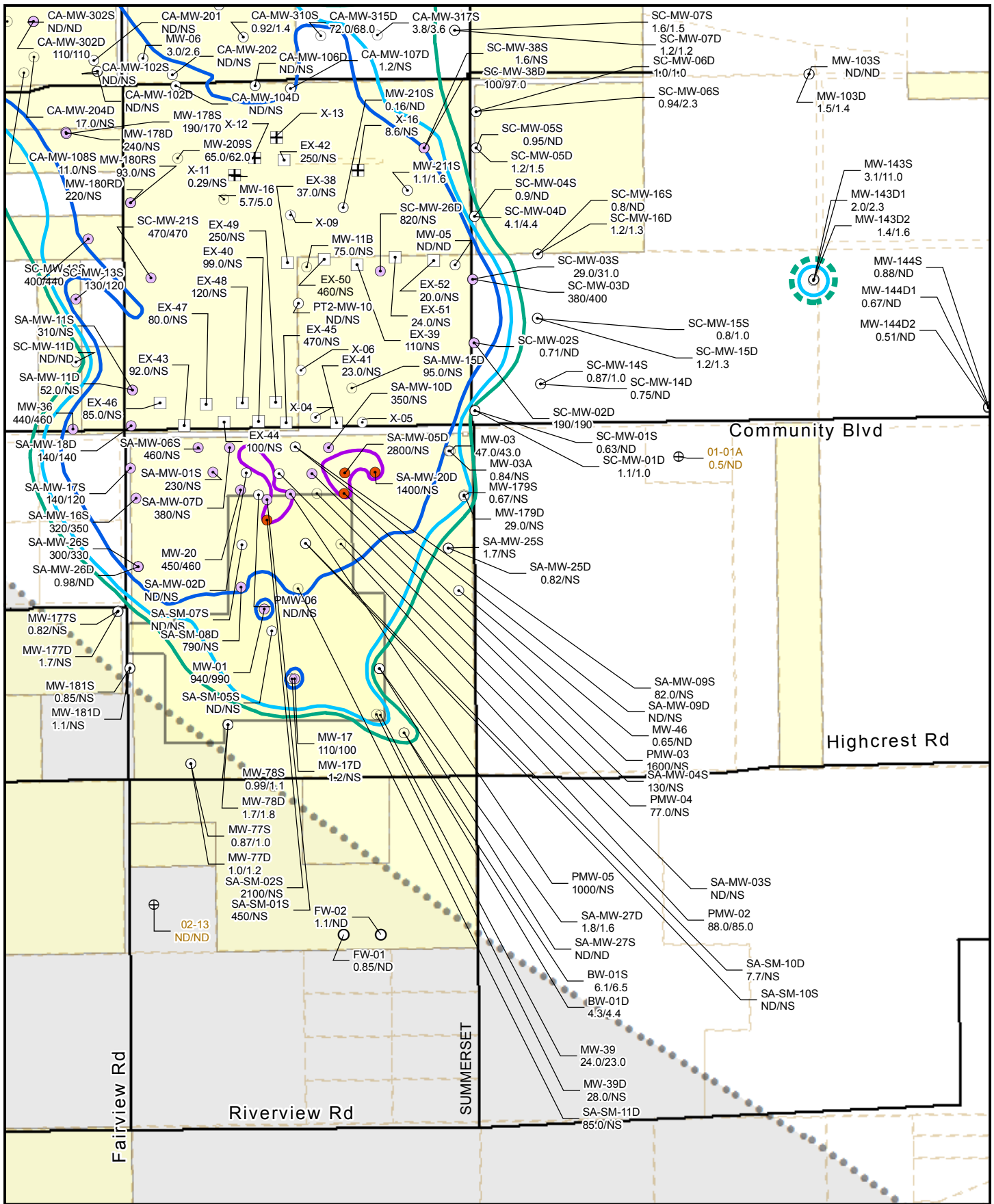
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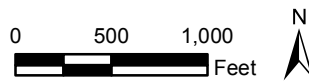
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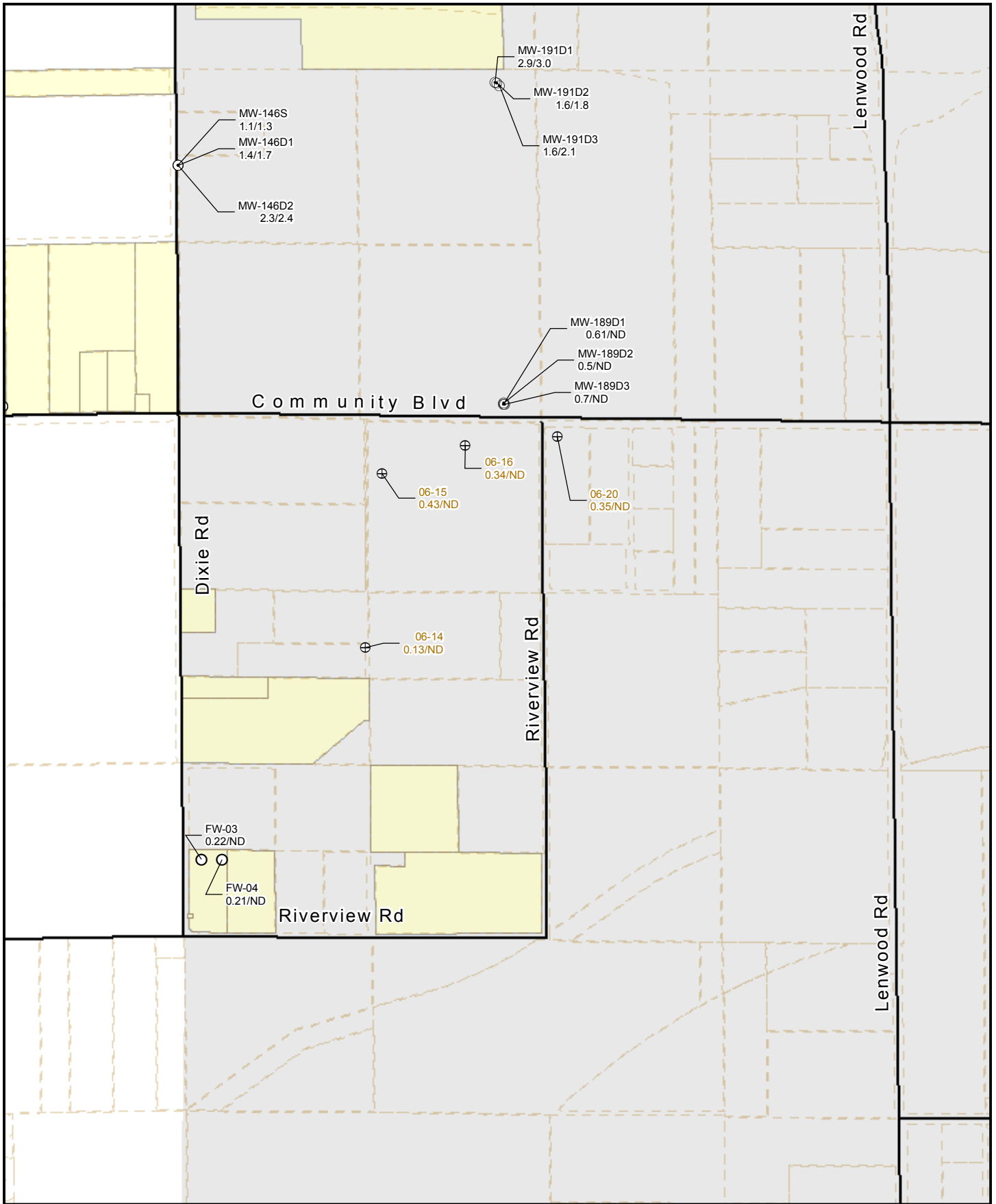
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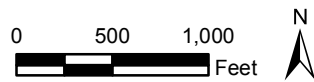
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MAP 16



See Legend Figure for  
Feature Descriptions



MAP 17