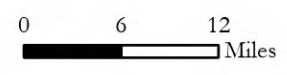


Path: I:\m2652\I\WV\_AnnualReport2023.aprx, Figure 2-1

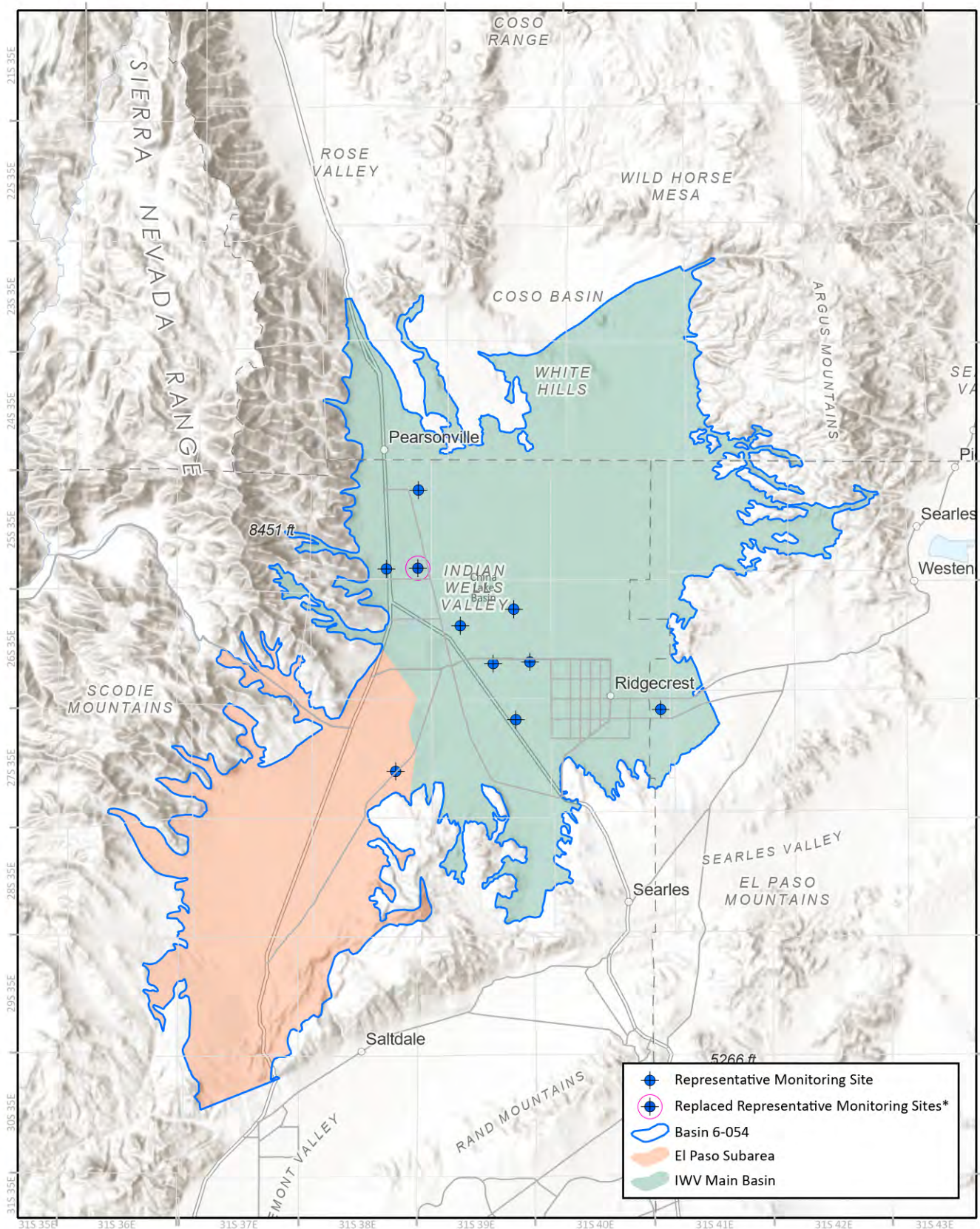


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**INDIAN WELLS VALLEY  
GROUNDWATER BASIN AND  
GROUNDWATER AUTHORITY BOUNDARIES**  
INDIAN WELLS VALLEY, CA  
(DWR BULLETIN 118 BASIN NO. 6-054)





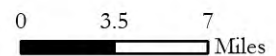


Path: I:\m\2652\IWV\_AnnualReport2023.aprx Figure 3-1



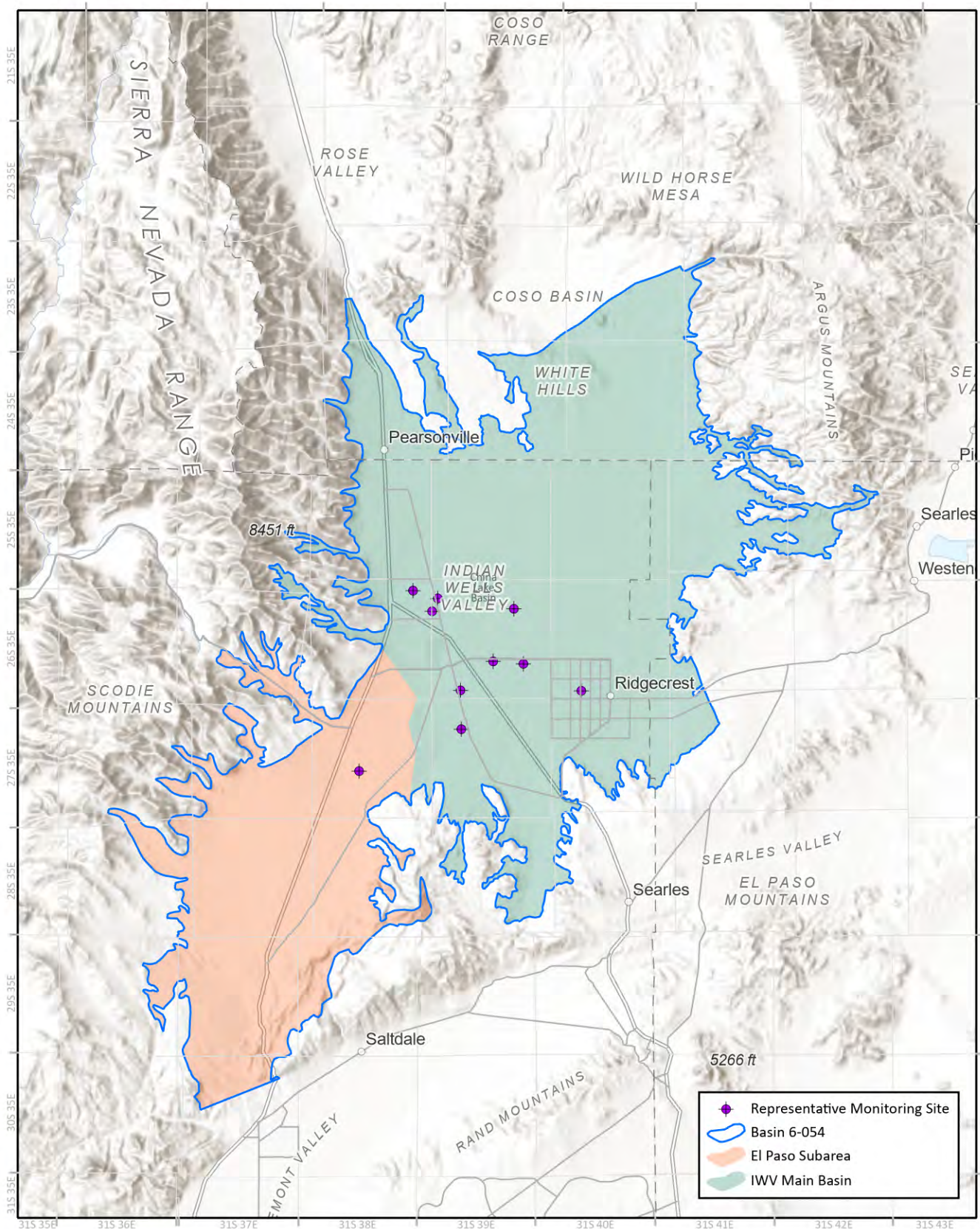
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**REPRESENTATIVE MONITORING SITES  
FOR THE CHRONIC LOWERING  
OF GROUNDWATER LEVELS  
INDIAN WELLS VALLEY, CA**



\* These wells were originally listed as representative monitoring sites in the GSP, but were replaced due to accessing issues.





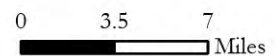
	Representative Monitoring Site
	Basin 6-054
	El Paso Subarea
	IWV Main Basin

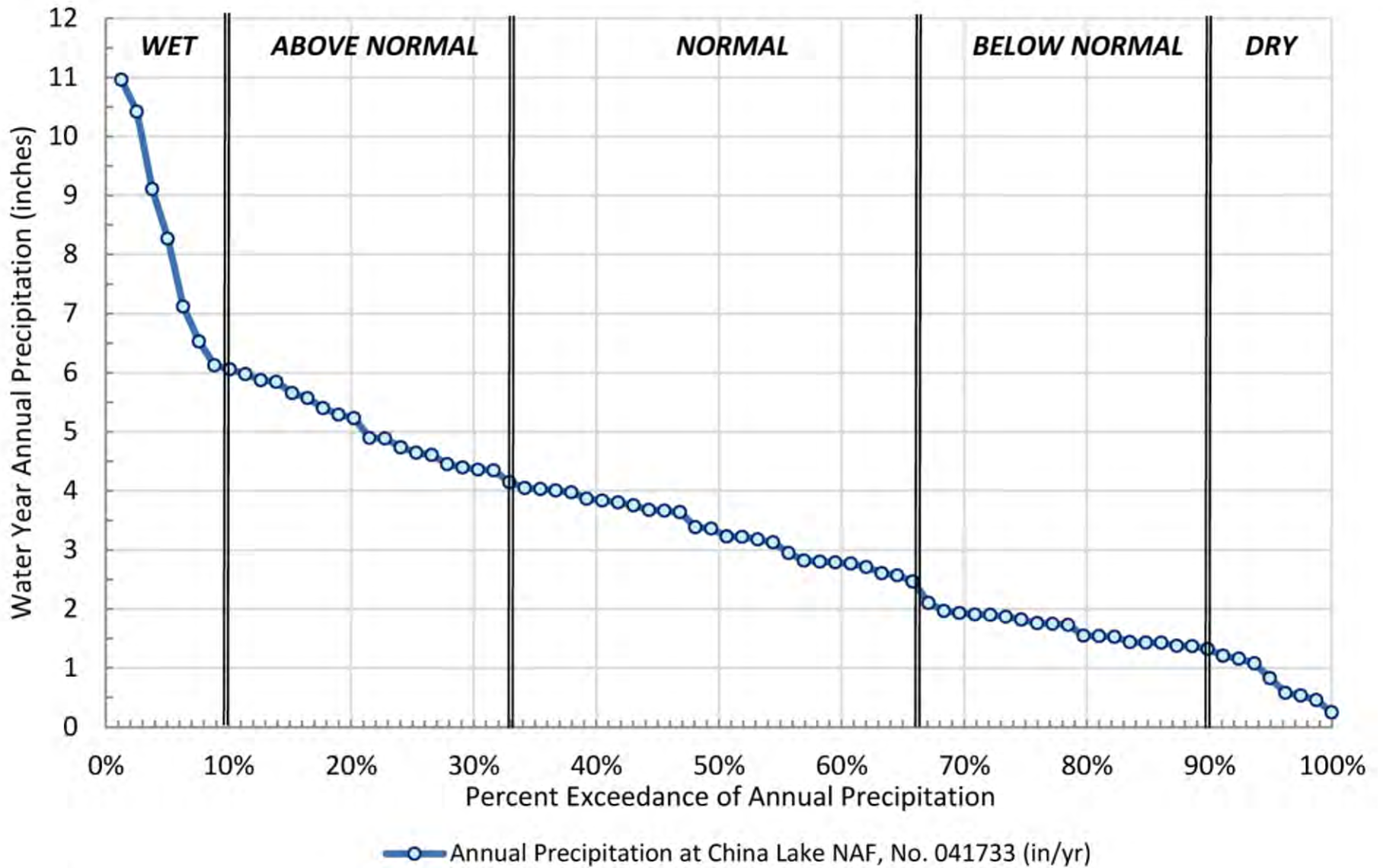
Path: I:\m2652\IWV\_AnnualReport2023.aprx Figure 3-2



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**WATER QUALITY DEGRADATION  
REPRESENTATIVE MONITORING SITES  
INDIAN WELLS VALLEY, CA**

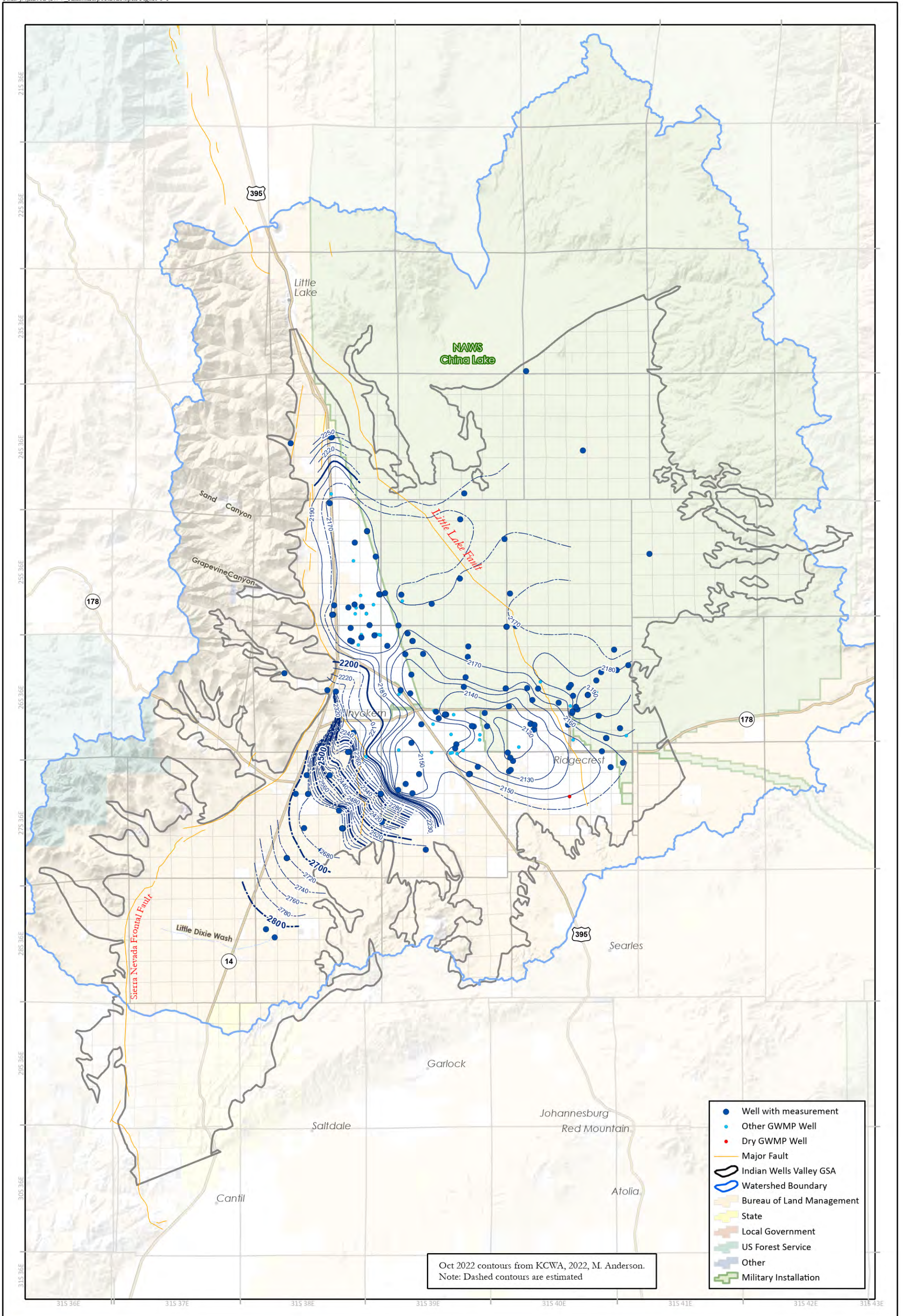




**ANNUAL PRECIPITATION EXCEEDANCE IN IWVGB  
HYDROLOGIC INDEX WATER YEARS 1945-2023  
INDIAN WELLS VALLEY, CA**

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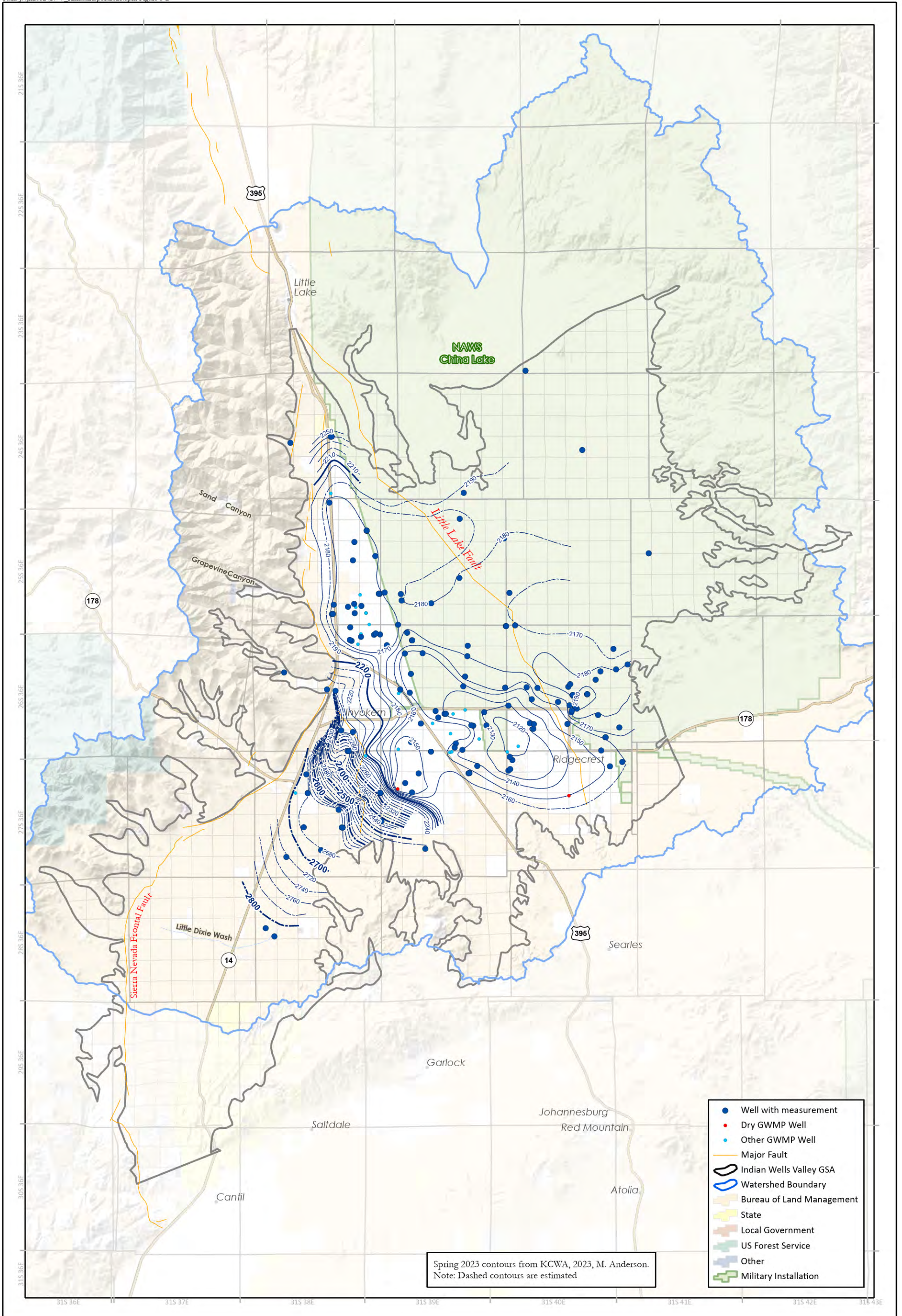
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**ESTIMATED OCTOBER 2022  
GROUNDWATER ELEVATION CONTOURS  
INDIAN WELLS VALLEY, CA**

0 2 4  
Miles







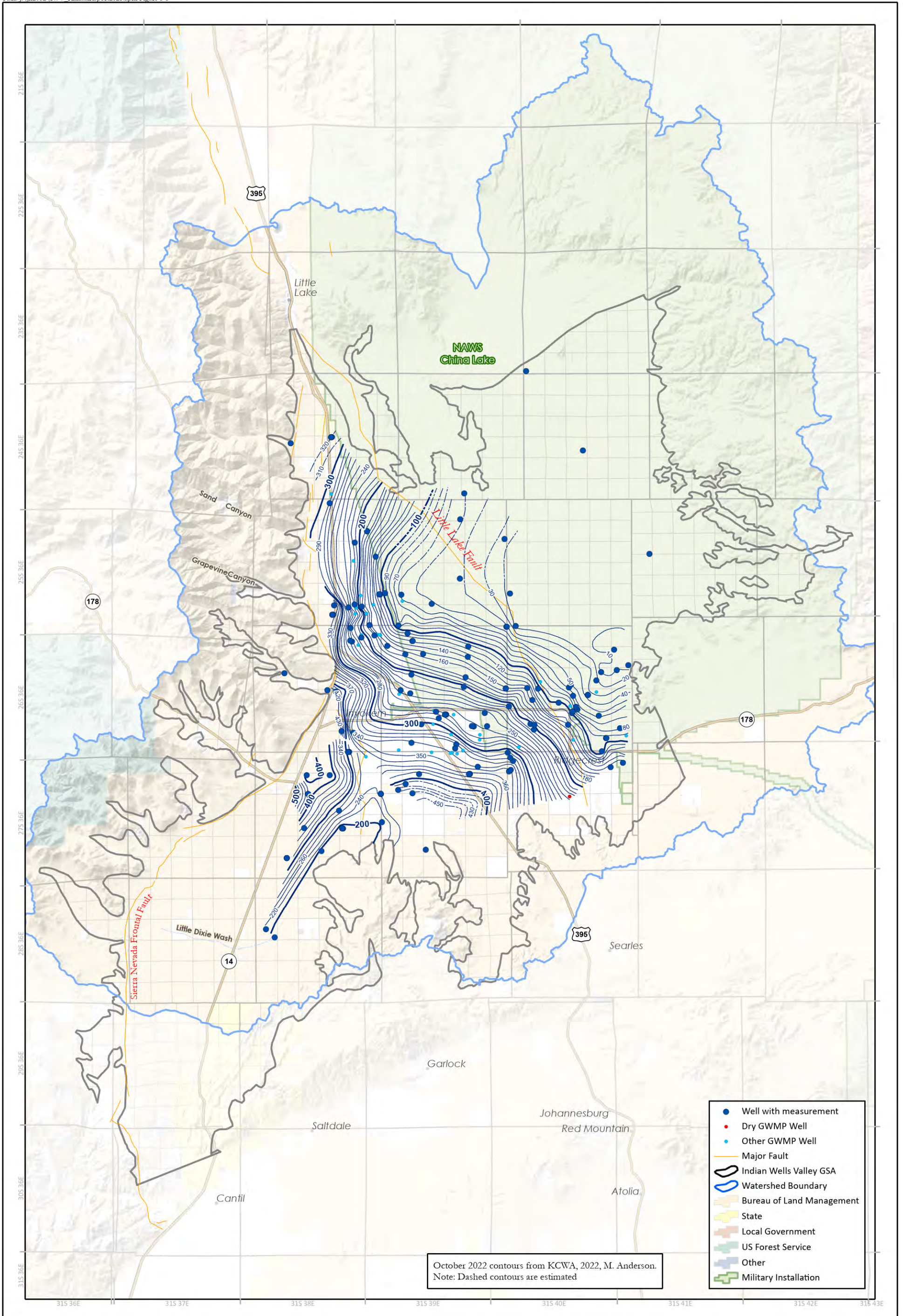
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**ESTIMATED SPRING 2023  
GROUNDWATER ELEVATION CONTOURS  
INDIAN WELLS VALLEY, CA**

0 2 4  
Miles







October 2022 contours from KCWA, 2022, M. Anderson.  
 Note: Dashed contours are estimated

- Well with measurement
- Dry GWMP Well
- Other GWMP Well
- Major Fault
- Indian Wells Valley GSA
- Watershed Boundary
- Bureau of Land Management
- State
- Local Government
- US Forest Service
- Other
- Military Installation



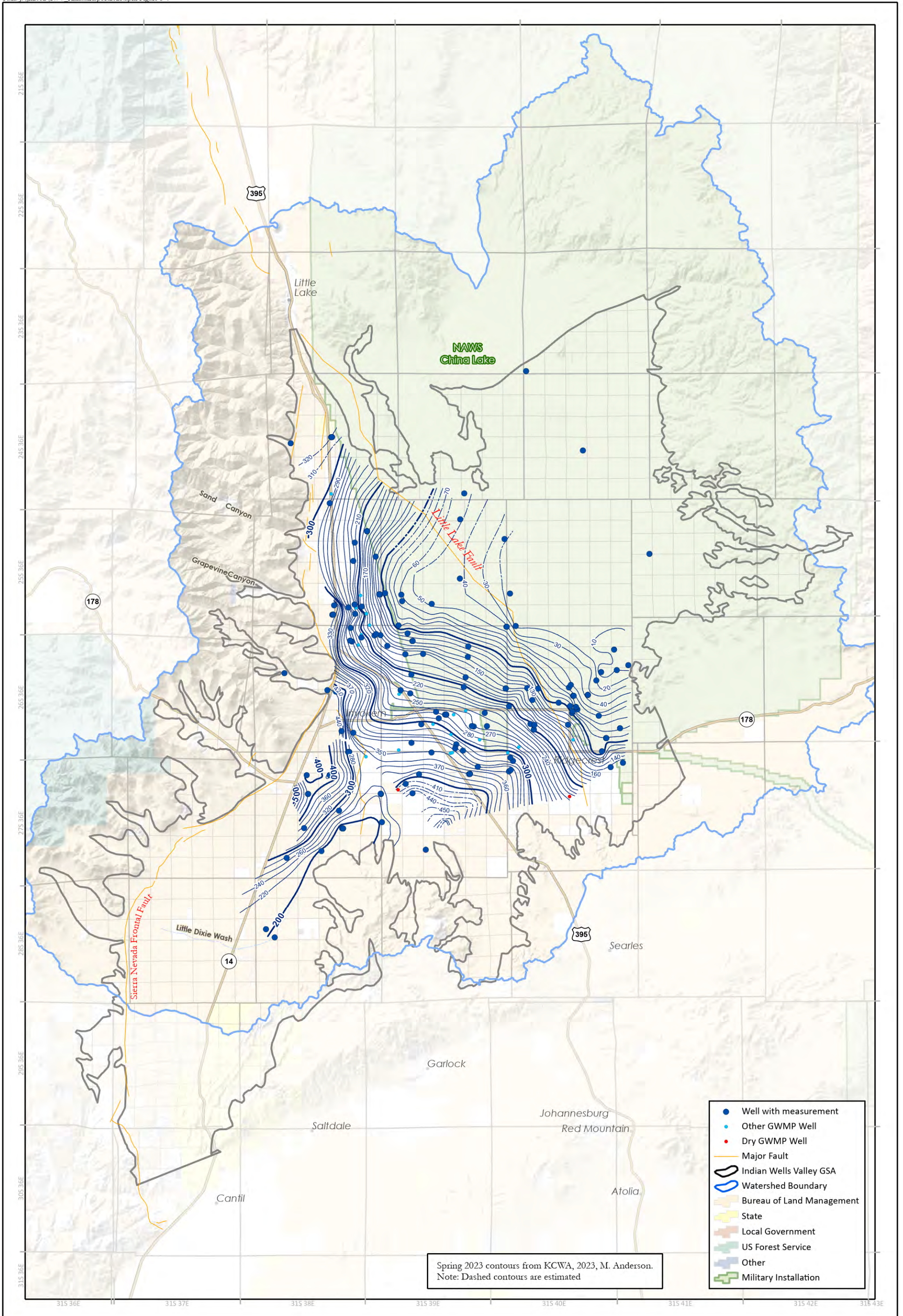
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**ESTIMATED OCTOBER 2022  
 GROUNDWATER DEPTH CONTOURS  
 INDIAN WELLS VALLEY, CA**

0 2 4  
 Miles







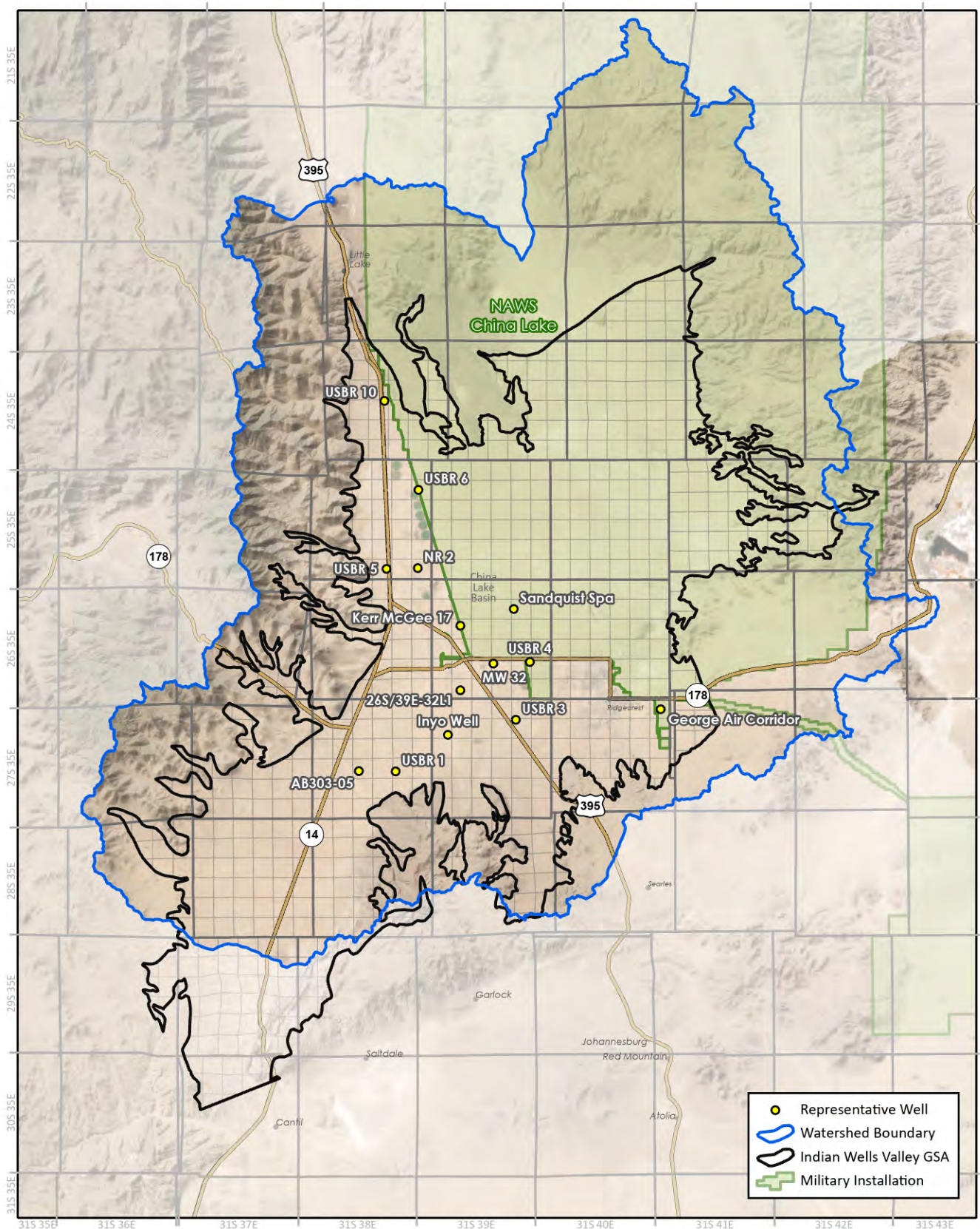
DRAFT  
1/5/2024

**ESTIMATED SPRING 2023  
GROUNDWATER DEPTH CONTOURS  
INDIAN WELLS VALLEY, CA**

0 2 4  
Miles







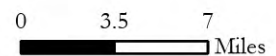
	Representative Well
	Watershed Boundary
	Indian Wells Valley GSA
	Military Installation

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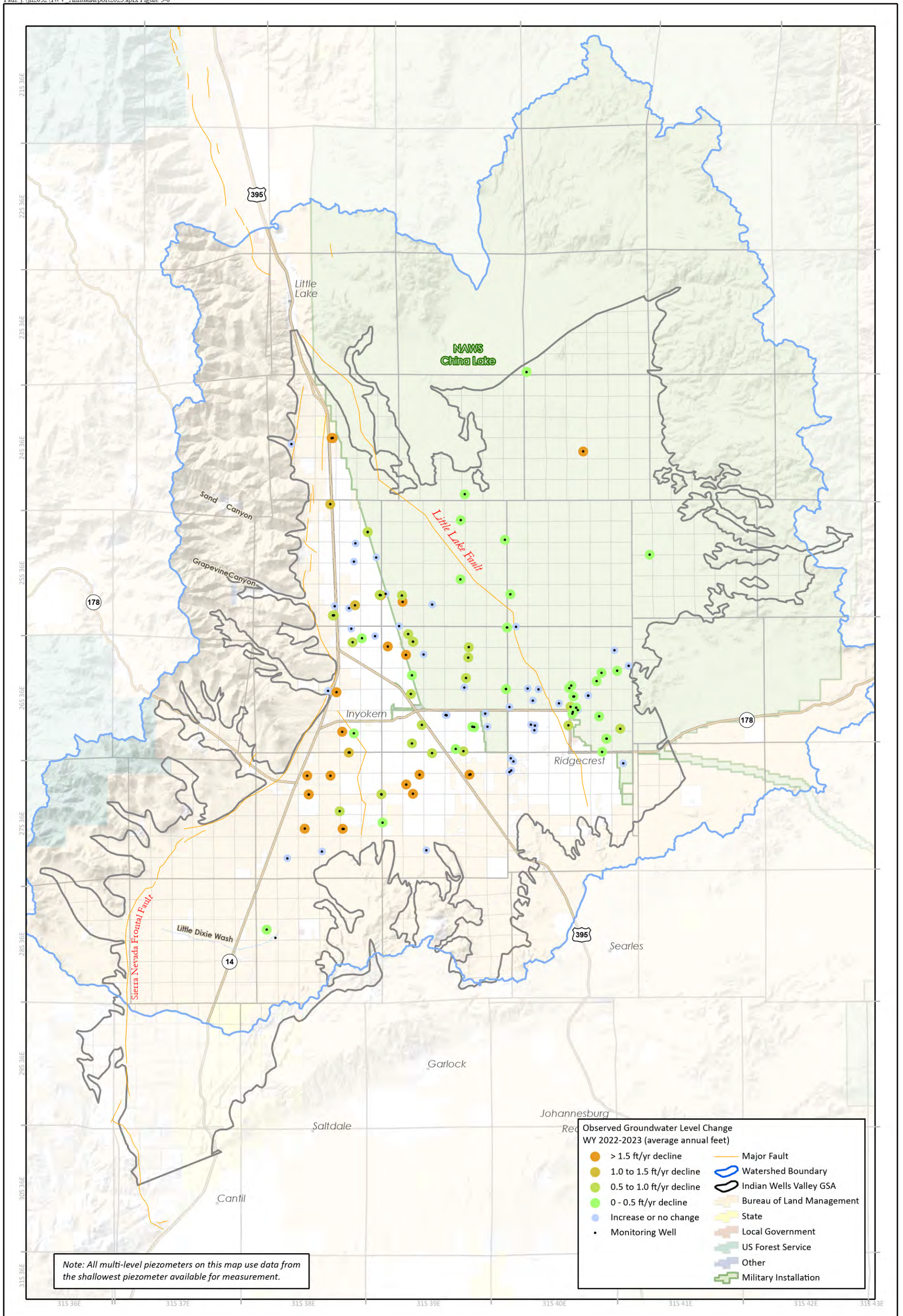


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**MONITORING WELLS  
WITH HYDROGRAPHS IN ATTACHMENT E  
INDIAN WELLS VALLEY, CA**







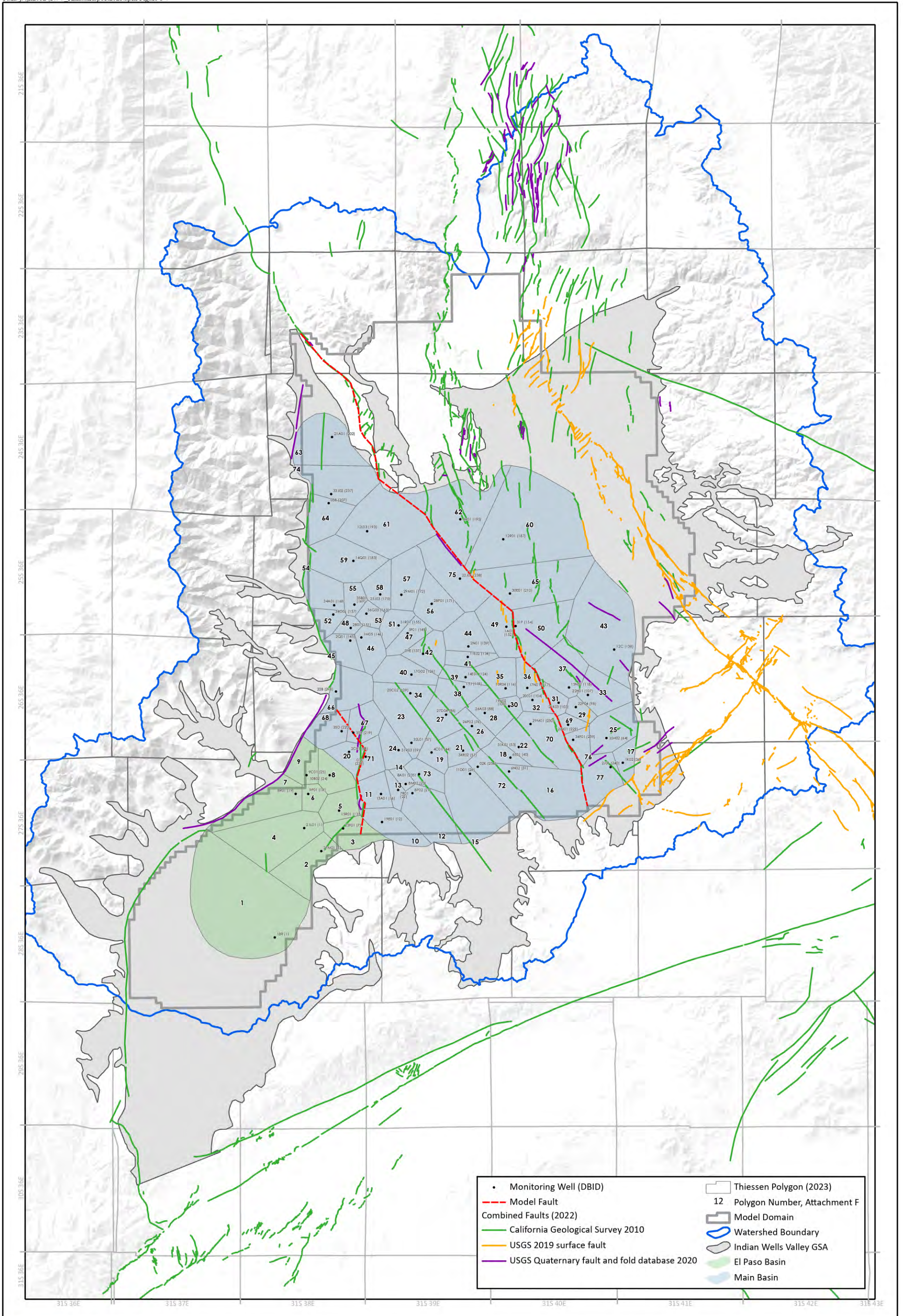
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**AVERAGE ANNUAL  
GROUNDWATER LEVEL CHANGE  
WY 2022 TO 2023  
INDIAN WELLS VALLEY, CA**

0 2 4  
Miles







- Monitoring Well (DBID)
- Model Fault
- Combined Faults (2022)
- California Geological Survey 2010
- USGS 2019 surface fault
- USGS Quaternary fault and fold database 2020
- Thiessen Polygon (2023)
- 12 Polygon Number, Attachment F
- Model Domain
- Watershed Boundary
- Indian Wells Valley GSA
- El Paso Basin
- Main Basin



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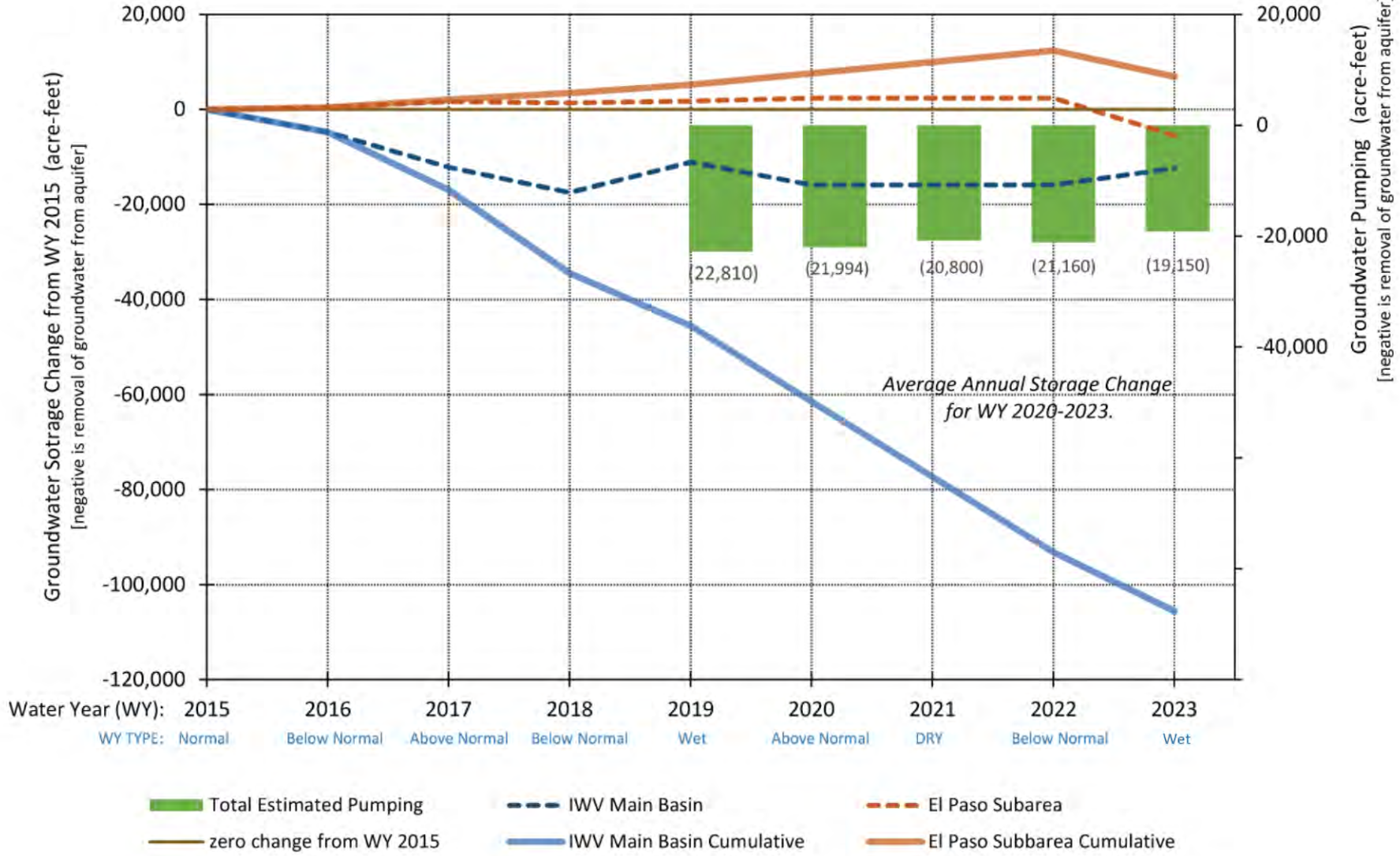
**MODIFIED THIESSEN POLYGON METHOD  
ESTIMATING CHANGES TO GROUNDWATER IN STORAGE  
INDIAN WELLS VALLEY, CA**

DBID: Database ID used in Data Management System (DMS) website iwvsp.com

0 2 4 Miles





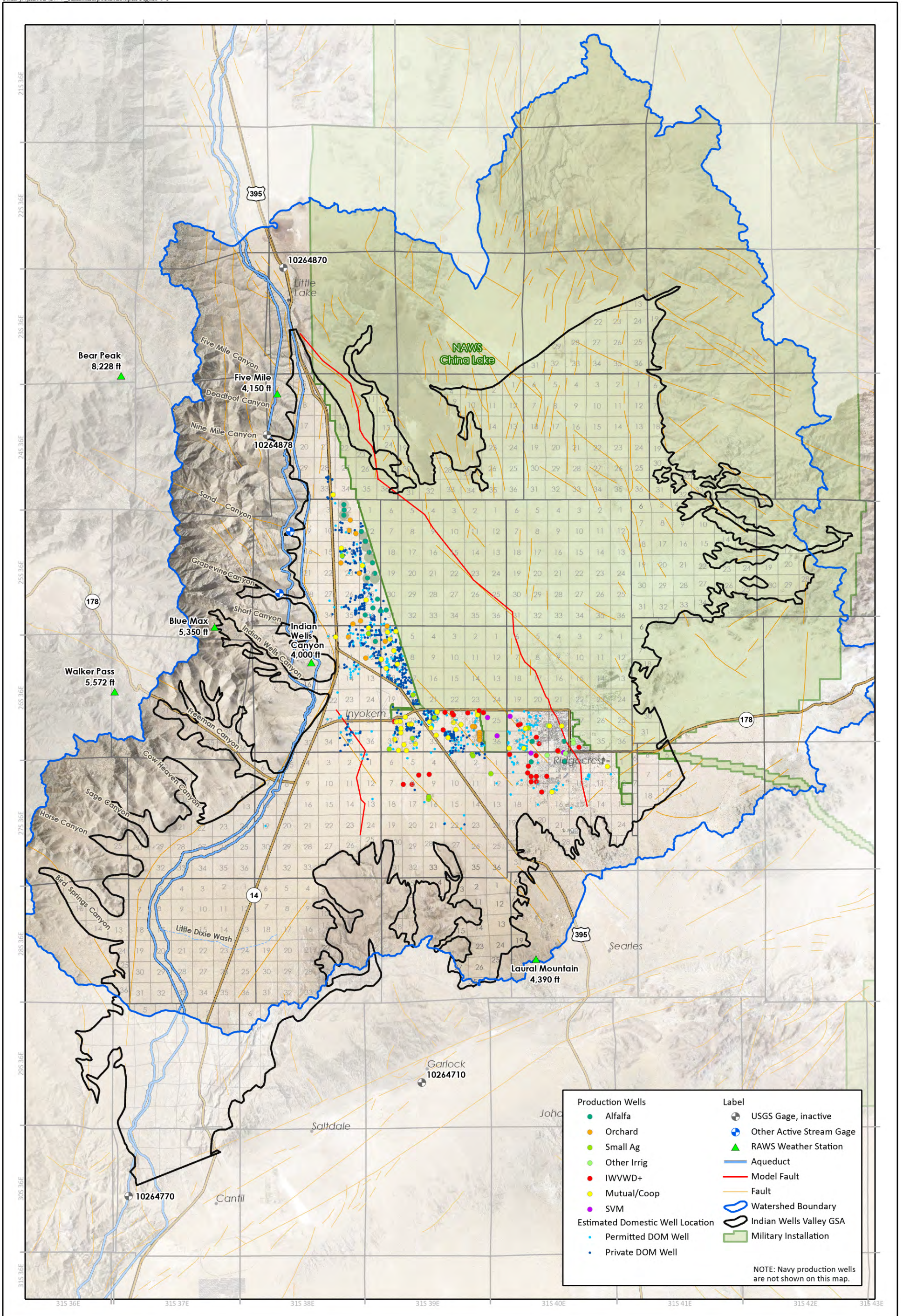


**ESTIMATED GROUNDWATER STORAGE CHANGE WY 2016-2023  
WITH RECENT GROUNDWATER PUMPING  
INDIAN WELLS VALLEY, CA**

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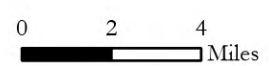
Note: Groundwater storage change is estimated based on the Thiessen polygon method for measured area of basin (see IWV Annual Report).



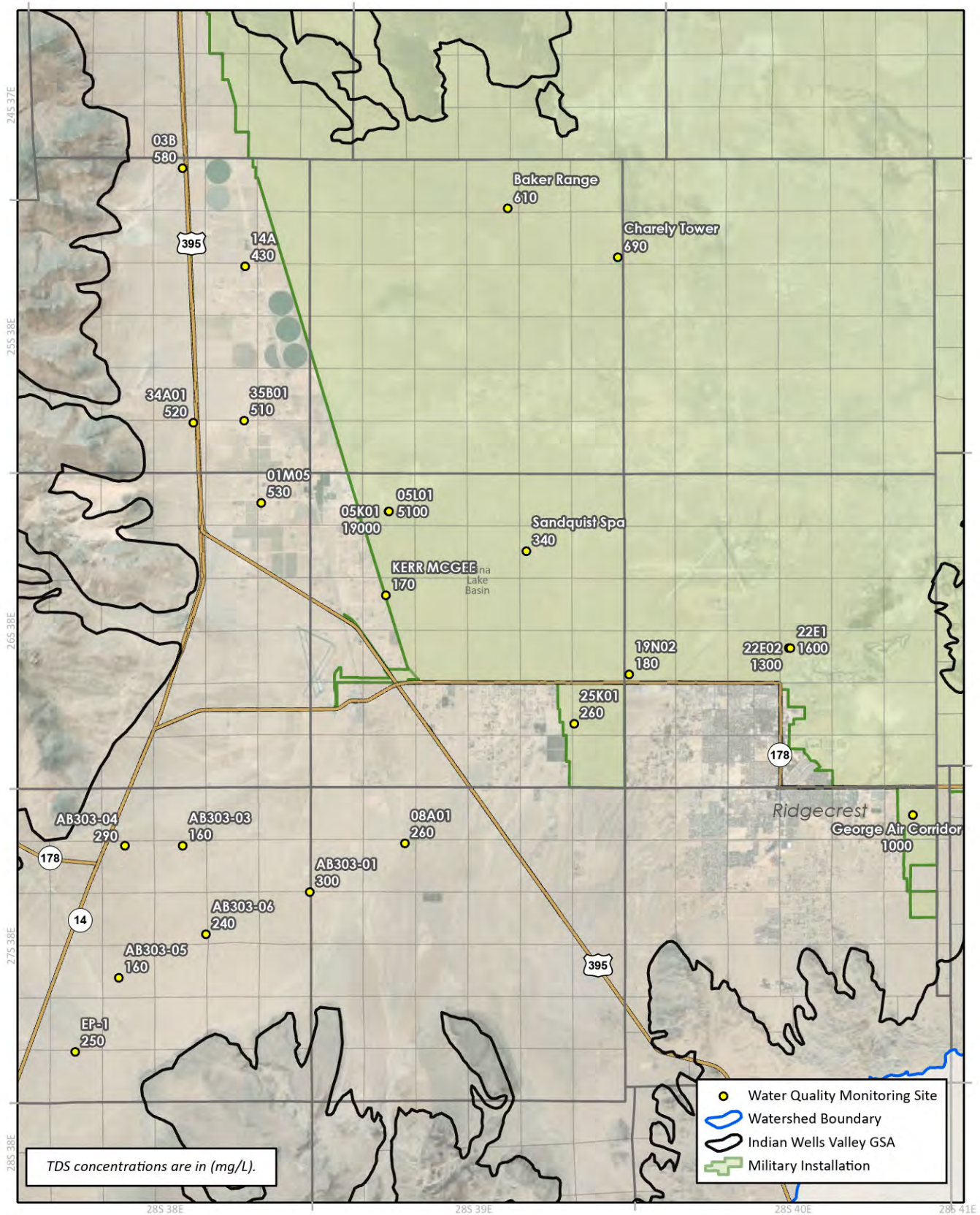


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**PUMPING WELL LOCATION MAP  
INDIAN WELLS VALLEY, CA**







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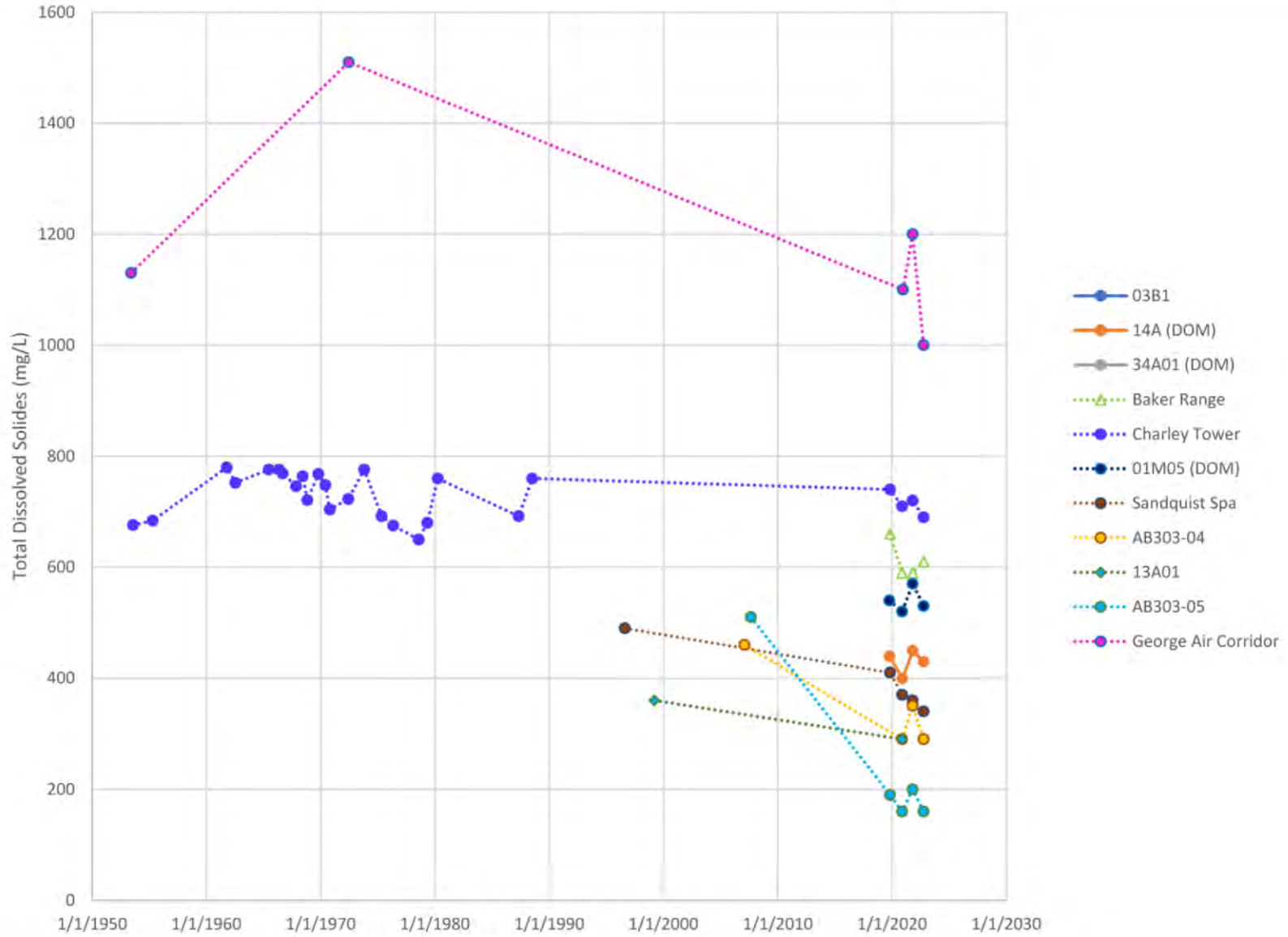


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**GROUNDWATER QUALITY - TDS  
OCTOBER 2022  
INDIAN WELLS VALLEY, CA**



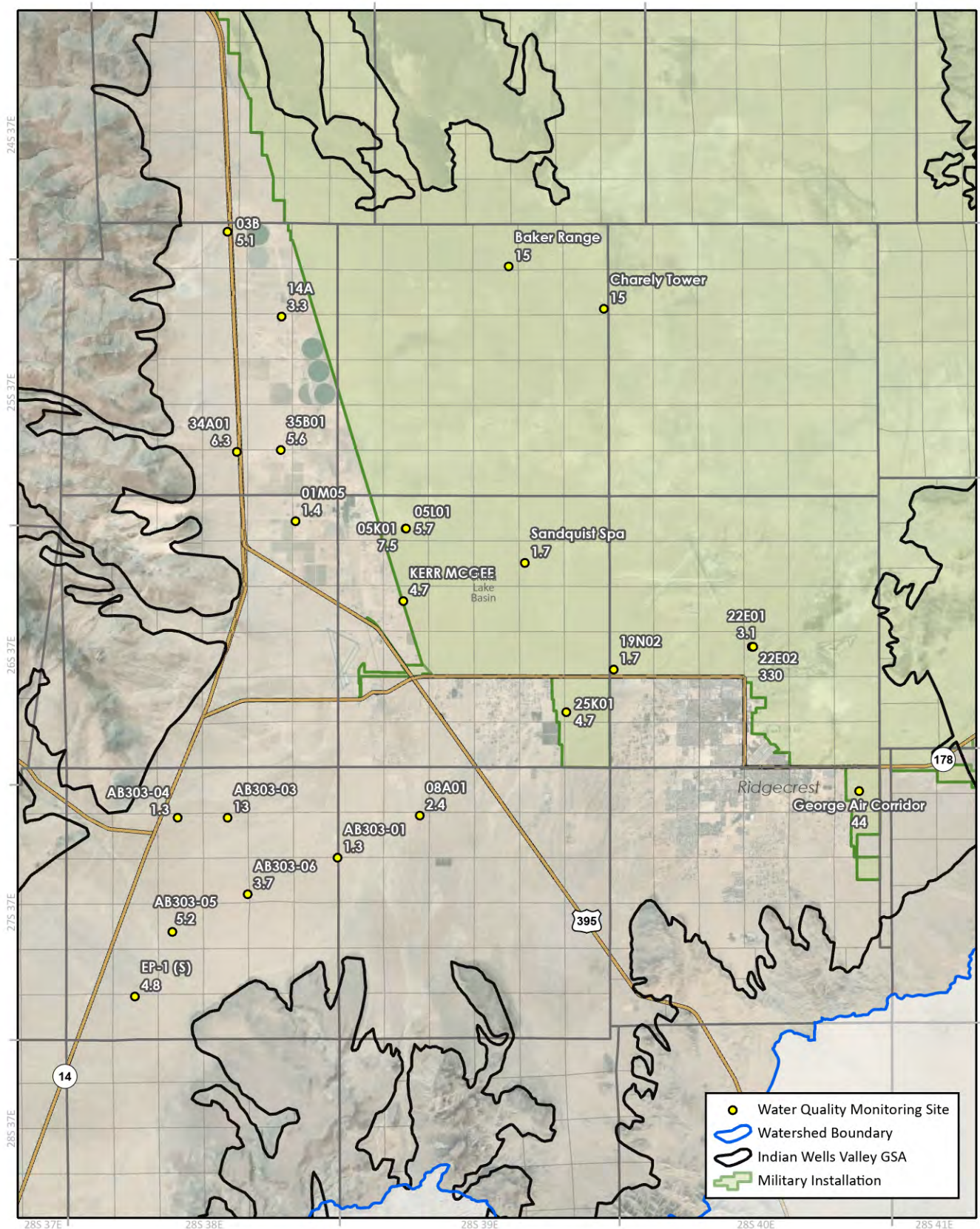




### HISTORICAL TDS CONCENTRATIONS INDIAN WELLS VALLEY, CA

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**GROUNDWATER QUALITY - ARSENIC  
OCTOBER 2022  
INDIAN WELLS VALLEY, CA**

