

Excerpt from Technical Memorandum titled "Distribution of Groundwater Nitrate Concentrations, Salinas Valley, California"
 Submitted by CCGC on April 30, 2014

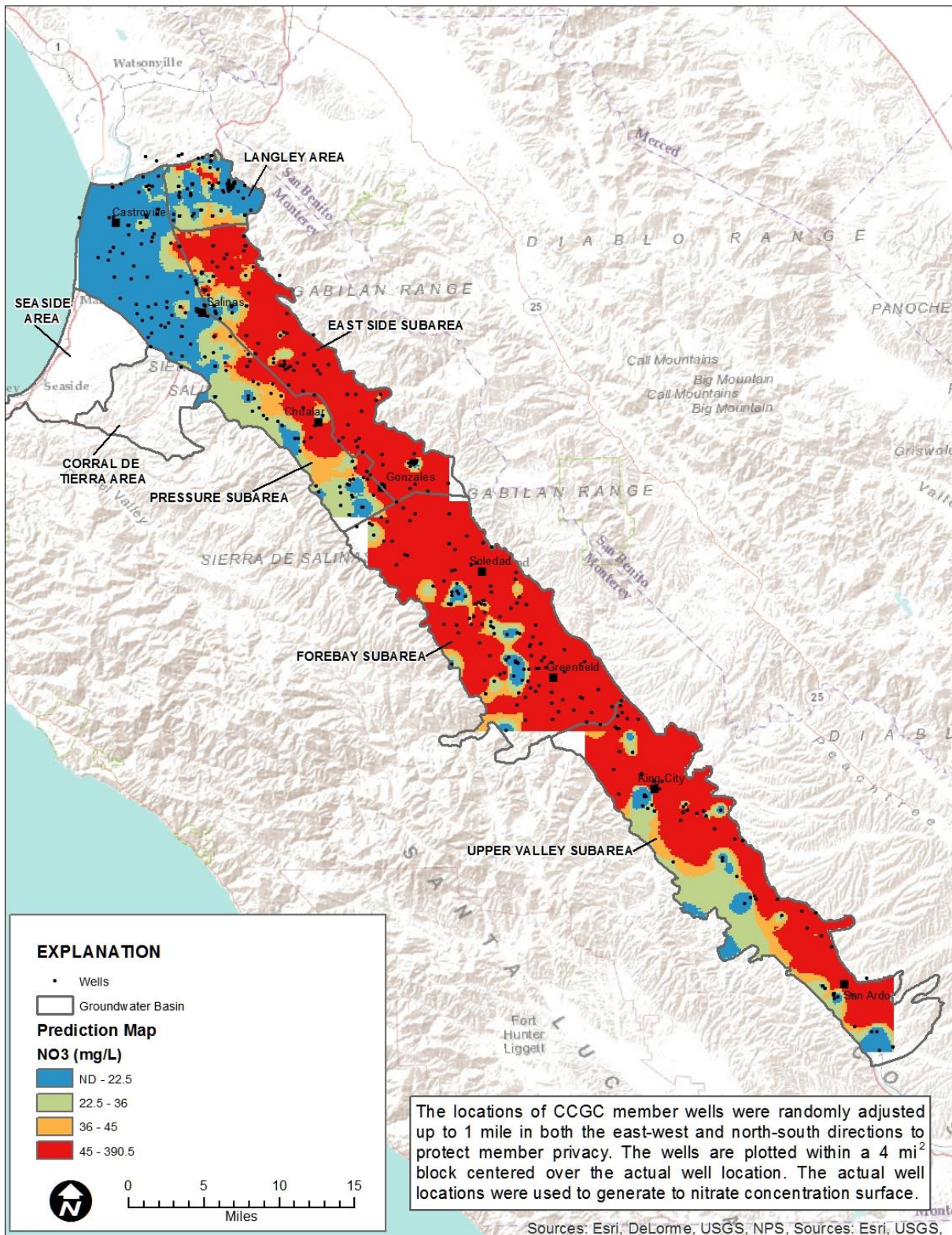


Figure 6. Kriged nitrate concentrations and delineation of areas with varying concentration ranges.

Excerpt from Technical Memorandum titled "Groundwater Nitrate, Salinas Valley, CA"

Submitted by CCGC on Dec.10, 2014

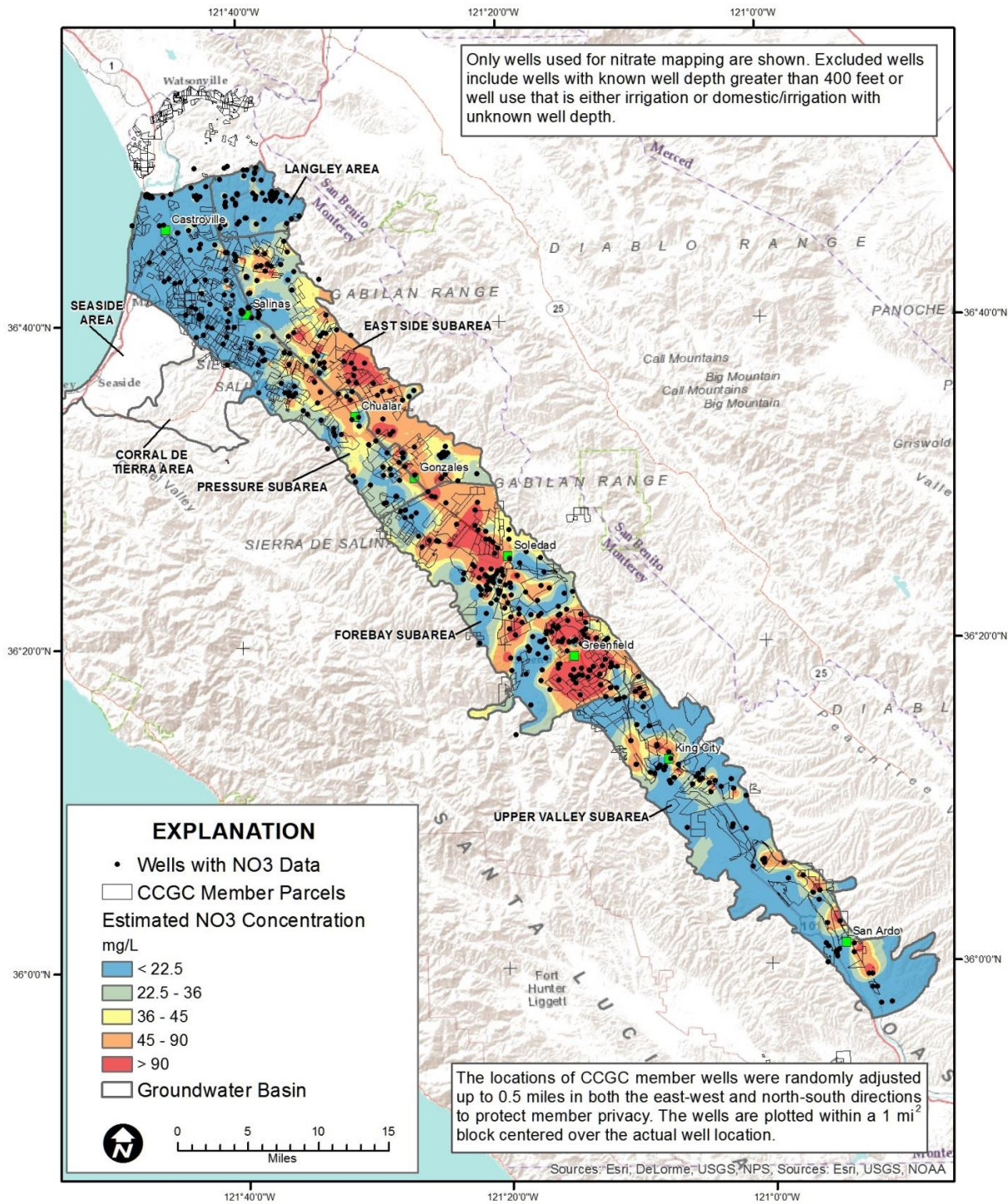


Figure 14. Kriged nitrate concentrations and member parcels.

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Table 1. Summary Statistics for Average Groundwater Nitrate Concentrations

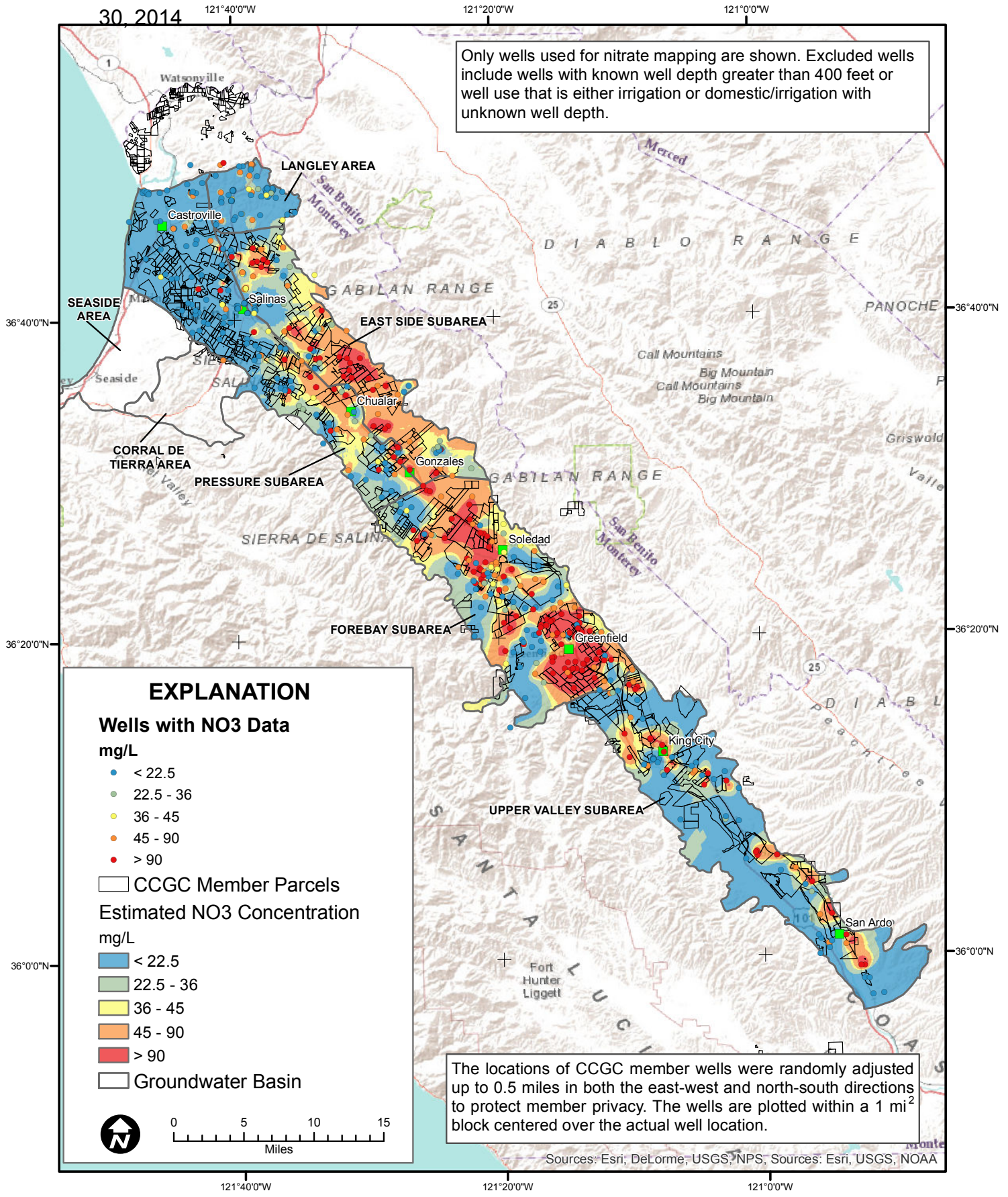
	<u>Entire Salinas Valley</u>	<u>Langley Subarea</u>	<u>Pressure Subarea</u>	<u>East Side Subarea</u>	<u>Forebay Subarea</u>	<u>Upper Valley Subarea</u>
Mean	36.44	13.75	18.27	62.70	66.24	55.50
Median	10.44	6.24	5.75	24.74	31.00	14.28
Standard Error	69.65	17.32	32.70	112.77	80.48	81.38
Minimum	0.05	0.05	0.05	0.05	0.22	0.05
Maximum	690.00	96.50	249.00	690.00	323.00	482.00
Number of wells	838	233	236	146	139	84
Number of wells (percentage) with concentrations over the MCL	177 (21%)	18 (8%)	26 (11%)	43 (29%)	60 (43%)	30 (36%)
Total Area	349,321	15,344	84,323	57,454	94,030	98,170
Percent of area mapped as over MCL	58%	5%	13%	86%	83%	66%

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Table 3. Summary Statistics for Average Groundwater Nitrate Concentrations

	<u>Entire Salinas Valley</u>	<u>Langley Subarea</u>	<u>Pressure Subarea</u>	<u>East Side Subarea</u>	<u>Forebay Subarea</u>	<u>Upper Valley Subarea</u>
Mean	44.7	15.4	20.7	67.4	87.1	56.4
Median	15.0	7.42	6.48	25.8	46.5	15.0
Standard Deviation	2.56	1.18	2.30	8.86	7.17	8.77
Minimum	0.09	0.16	0.1	0.16	0.4	0.09
Maximum	614	96.5	249	614	511	482
Number of wells	939	232	262	154	202	89
Number of wells (percentage) with average concentrations over the MCL	240 (26%)	20 (9%)	32 (12%)	52 (34%)	104 (51%)	32 (36%)
Total Area (acres)	349,321	15,344	84,323	57,454	94,030	98,170
Percent of area mapped as over MCL	28%	0.6%	11%	54%	49%	10%

Actual well data on Dec. 10, 2014 nitrate contour map, Submitted by CCGC on Dec. 30, 2014



Only wells used for nitrate mapping are shown. Excluded wells include wells with known well depth greater than 400 feet or well use that is either irrigation or domestic/irrigation with unknown well depth.

The locations of CCGC member wells were randomly adjusted up to 0.5 miles in both the east-west and north-south directions to protect member privacy. The wells are plotted within a 1 mi² block centered over the actual well location.

Sources: Esri, DeLorme, USGS, NPS, Sources: Esri, USGS, NOAA