

# Borrego Valley Water Quality Data

## 1. Data Downloads

1.1 Water-quality data can be downloaded in an Excel format from this website. The Excel workbooks contain current and historical water-quality data for groundwater samples collected in the Borrego Valley and spring samples collected in pertinent watersheds. The workbooks are categorized by constituent class. These classes are:

- Chemical and physical water-quality indicators
- Inorganic and nutrient constituents
- Isotopic tracers
- Microbial
- Other organic compounds
- Pharmaceutical constituents
- Pesticide and pesticide degradates
- Radiological constituents
- Volatile organic compounds

1.2 There are three sources for the water-quality data presented on this website: Borrego Water District (BWD), State Water Resources Control Board Division of Drinking Water (DDW) and U.S. Geological Survey (USGS)

- **BWD water-quality data** - Sample dates range from 1917 to 2007. Some of the more recent BWD data is also reported in the DDW database. Data that is reported in both the BWD and DDW database will only be listed as being sourced from DDW. Some non-detects in the BWD database are shown as zero "0" or "ND" instead of less-than values "<" (for example <0.5, assuming 0.5 is the detection limit). Less-than values, zeroes and ND indicate that a constituent was not detected. Constituent classes contributed from the BWD database are chemical and physical water-quality indicators, inorganic and nutrient constituents and radiological constituents. Data from the BWD database is reported as it was received; no quality control checks or manipulation of values have been done.
- **DDW water-quality data**- Sample dates range from 1985 to 2010. Some non-detects in the DDW database are shown as zero "0" instead of less-than values "<" (for example <0.5, assuming 0.5 is the detection limit). This indicates that the analyzing laboratory has decided to report data below the State detection limit. Both less-than values and zeroes indicate that a constituent was not detected. Data from the DDW database is reported as it was received with the exception of the removal of three VOC detections that were indicated as false positives. No other quality control checks or manipulation of values have been done.
- **USGS water-quality data**- Sample dates range from 1980 to 2013. Non-detections in the USGS database are indicated by less-than values "<." An "R" designation for radiochemistry results denotes the result was below the sample specific critical level. USGS data reported on this website has generally undergone quality control checks. Quality control checks include collection of blank and replicate data and analysis of cation and anion balances.

## **2. Water-Quality Data Displayed in Dialogue Boxes**

2.1. Data displayed in the dialogue boxes show only the most recent sample for the water-quality class/constituent selected.

2.2 If there is not a value shown for a constituent, that means that the constituent was not analyzed for in that sample. However, that constituent may have been analyzed for in earlier samples, so the user should check the downloadable Excel workbooks.

## **3. Sites with Scanned Water-Quality Data**

Well and spring sites in the study area that had water-quality data in a hard copy format were scanned and formatted as Adobe Portable Format Documents (PDFs). Scanned water-quality data can be reviewed and (or) downloaded by clicking the site of interest on the interactive map or by clicking the link on the well sites table on the Datasets page.