| **Attribute** | **Proposed Data Format/Standard** | **Sustainable Groundwater Management Act (SGMA) Program** | **California Statewide Groundwater Elevation Monitoring (CASGEM) Program** | **State Water Resources Control Board (SWRCB) GeoTracker Data Management System** | **US Geologic Survey (USGS) National Water Information System (NWIS)** | **SAFER** |
| --- | --- | --- | --- | --- | --- | --- |
| **Local Name/ID** | **Local Name/ID** - Name or number identifier given by the Monitoring Agency used to identify the well on a local basis. | **Local Well Name** - local well name used to identify the well | **Local or State Well Number** - Name or number identifier given to the well by the Monitoring Entity.  Local Well Designation | **Field Point Name** - field name or common name of the location where field measurement was collected | **Site/Station Name** - Site names generally include river and lake names. For wells it can be the local number | **Facility Name  Facility ID** |
| **State Well Number** | **State Well Number** - State Well Number provided by the Department of Water Resources | **State Well Number** - State Well Number provided by the Department of Water Resources | **Local or State Well Number** - Name or number identifier given to the well by the Monitoring Entity. | Not reported | Not reported | **Department of Water Resources Site Code Identification Number  Water Rights ID** |
| **Master Code** | **Master Code** - Unique identifier assigned to each well for a given program that the program uses to track individual wells within its system. | **Site Code** - Unique site code created for the well by the Monitoring Network Module or CASGEM. | **Master Site Code** - unique identifier assigned and used by the CASGEM system. | **Global ID** - unique identifier for a regulated facility or site | **Site Number/ID** - 15-digit number ID for wells (8-digit number ID is for surface water) | Not reported |
| **Latitude** | **Latitude** - Latitude of the well location (Y Coordinate)  **Units**: decimal degrees  **Reporting Accuracy**: 5 decimal places | **Latitude** - Latitude of the well location, reported in decimal degrees to five decimal places, to a minimum accuracy of 30 feet, relative to NAD83 or another national standard that is convertible to NAD83 | **Latitude [N]** - positive value between 32 and 42.5 | **LATITUDE** - The latitude (Y coordinate) of the survey point, measured in decimal degrees, and reported to 7 decimal points | **Latitude** - The latitude in NAD83 for the Well Site | **Facility Latitude** |
| **Longitude** | **Longitude** - Longitude of the well location (X Coordinate)  **Units**: decimal degrees  **Reporting Accuracy**: 5 decimal places | **Longitude** - Longitude of the well location, reported in decimal degrees to five decimal places, to a minimum accuracy of 30 feet, relative to NAD83 or another national standard that is convertible to NAD83 | **Longitude [W]** - negative value between -124.5 and -114 | **LONGITUDE** - The longitude (X coordinate) of the survey point, measured in decimal degrees, and reported to 7 decimal points | **Longitude** - The longitude in NAD83 for the Well Site | **Facility Longitude** |
| **Coordinate Survey Date** | **Coordinate Survey Date** - Date that the XY coordinates of the well were surveyed.  **Date Format**: mm/dd/yyyy | Not reported | Not reported | **XY\_SURVEY\_DATE** - The date on which the latitude & longitude coordinates were measured | Not reported | Not reported |
| **Coordinates Datum** | **Coordinates Datum** - Horizontal datum that the XY coordinates were measured.  **Format**: NAD83 (recommended) | Not reported | Not reported | **XY\_DATUM** - The code representing the datum from which the latitude/longitude coordinates were determined | **Lat/Long Datum** - NAD27 or NAD83 | **Facility Lat/Long Datum** |
| **Coordinates Method** | **Coordinates Method** - Method used to survey the XY location of the well.  **List of Options**: Surveyed, USGS quad, GPS, GPS with WAAS, Digital aerial photo, Unknown, Other | **Coordinates Method** - list of options including: Surveyed, USGS quad, GPS, GPS with WAAS, Digital aerial photo, Unknown, Other | **Coordinates Method** - list of options including: Surveyed, USGS quad, GPS, GPS with WAAS, Digital aerial photo, Unknown, Other | **XY\_METHOD** - The code representing the survey method by which the latitude/longitude measurements were collected | **Lat/Long Method** - code best describing the method used to determine latitude and longitude | Not reported |
| **Coordinates Accuracy** | **Coordinates Accuracy** - Horizontal accuracy of the XY coordinates of the well location. | **Coordinates Accuracy** - list of options including: 0.1 ft., 2.5 ft., 5 ft., 10 ft., 20 ft., 50 ft., > 50 ft., Unknown | **Coordinates Accuracy** - list of options including: 1 ft., 10 ft., 30 ft., 75 ft., 150 ft., Unknown | **XY\_ACC\_VAL** - The accuracy range (+/-) of the latitude and longitude reported in centimeters at a 95% confidence interval | **Lat/Long Accuracy** - code that best describes the accuracy of the latitude and longitude | not reported |
| **Coordinates Surveyor** | **Coordinates Surveyor** - The name of the organization who collected the latitude/longitude coordinates | Not reported | Not reported | **XY\_SURVEY\_ORG** - The name of the organization who collected the latitude/longitude coordinates | Not reported | Not reported |
| **Coordinates Equipment** | **Coordinates Equipment** - The name or type of GSP equipment used to collect the latitude and longitude coordinates. | Not reported | Not reported | **GPS\_EQUIP\_TYPE** - The name of the GPS unit used to determine the latitude/longitude coordinates. Left blank if survey method did not involve GPS | Not reported | Not reported |
| **Coordinate Description** | **Coordinates Survey Field Notes** - any additional notes on coordinate survey | Not reported | Not reported | **XY\_SURVEY\_DESC** - General description information pertaining to the survey of latitude/longitude. May describe offset azimuth, distance, and slope | Not reported | Not reported |
| **Reference Point Elevation** | **Reference Point Elevation (RPE)** - Elevation of the reference point from which the groundwater level measurements are collected.  **Units**: feet NAVD88 (recommended)  **Reporting Accuracy**: tenth of a foot or greater | **Reference Point Elevation (feet)** - elevation of the well's reference point. Elevations shall be measured and reported in feet to an accuracy of at least 0.5 feet | **RP Elev** - Elevation of the reference point for water level measurements. Enter a numerical value in feet (NAVD88) | **ELEVATION** - Elevation of the survey point measured to top of well casing to a hundredth of a foot between well locations within the site | Not reported | Not reported |
| **Ground Surface Elevation** | **Ground Surface Elevation** - Elevation of the ground surface at the well  **Units**: feet NAVD88 (recommended)  **Reporting Accuracy**: tenth of a foot or greater | **Ground Surface Elevation (feet)** - elevation of the ground surface at the well. Elevations shall be measured and reported in feet to an accuracy of 0.1 feet (NAVD88) | **GS Elev** - elevation of the ground surface at the well. Enter a numerical value in feet (NAVD88) | Not reported | **Altitude** - land surface elevation above NAVD88 | Not reported |
| **Elevation Survey Date** | **Elevation Survey Date** - Date that the reference point elevation and/or ground surface elevation was surveyed  **Date Format**: mm/dd/yyyy | Not reported | Not reported | **ELEV\_SURVEY\_DATE** - date on which the elevation was measured | **Date** - date of measurement (MM-DD-YYYY)  **Time** - 00:00 24-hour format, provide standard time zone code as well as if it is in daylight savings time | Not reported |
| **Elevation Method** | **Elevation Measurement Method** - Method used to define reference point and ground surface elevations. | **Elevation Method** - method used to define ground surface and reference point elevation | Not reported | **ELEV\_METHOD** - code representing the method by which the elevation measurement was collected | **Altitude Method** - code that best describes method used to determine altitude | Not reported |
| **Elevation Datum** | **Elevation Vertical Datum** - Vertical datum associated with elevation measurements. | NAVD88 | NAVD88 | **ELEV\_DATUM** - Code representing datum from which elevation was determined.  NAVD88 preferred. | **Altitude Datum** - NGVD29 or NAVD88 | Not reported |
| **Elevation Accuracy** | **Elevation Accuracy** - Accuracy of the elevation method used to define ground surface and reference point elevation. | **Elevation Accuracy** - accuracy of the elevation method used to define ground surface and reference point elevation | Not reported | **ELEV\_ACC\_VAL** - accuracy range of the absolute elevation measurement report in centimeters at the 95% confidence interval | **Altitude Accuracy** - code that best describes accuracy of altitude in terms of possible error, in feet. | Not reported |
| **Elevation Surveyor** | **Elevation Surveyor Name** - The name of the organization collecting the elevation measurement. | Not reported | Not reported | **ELEV\_SURVEY\_ORG** - The name of the organization collecting the elevation measurement | Not reported | Not reported |
| **Elevation Description** | **Elevation Survey Field Notes** - Any additional notes on elevation survey | Not reported | Not reported | **ELEV\_DESC** - General description information pertaining to the survey | Not reported | Not reported |
| **Riser Height** | **Well Riser Height (RHT)** - Measured distance from ground surface to top of well casing.  **Calculated as**: RHT = RPE - GSE  **Reporting Accuracy**: tenth of a foot or greater | Not reported | Not reported | **RISER\_HT** - measured distance from ground surface to top of well casing reported as a positive or negative value to a hundredth of a foot | not reported | Not reported |
| **Total Depth** | **Total Well Depth** - Depth to the bottom of the well.  **Units**: feet  **Reporting Accuracy**: tenth of a foot or greater | **Well Depth** - a well's total casing depth or open borehole depth below ground surface in feet | Not reported | **TOT\_DEPTH** - depth of well measured in the field during the sampling event from top of well casing to "bottom" of well reported to hundredth of a foot | **Well Depth** - depth of well in feet below land surface  **Hole Depth** - Total depth to which the hole is drilled in feet below land surface | **Well Depth** - feet from surface |
| **Screen Top 1** | **Depth to Top of Screen (1)** - Depth to the top of the first or only screened interval below ground surface.  **Units**: feet below RPE or GSE  **Reporting Accuracy**: tenth of a foot or greater | **Top Perforation** - depth below ground surface to the top of a perforation interval measured in feet | **Screen Interval Top** - top screen interval | Not reported | **Depth to Top of Interval** - Enter the depth, in feet below land surface, of  the point where the interval of hole begins, or open interval begins.   **Depth to Top of Casing** - Enter the depth, in feet below land surface, to the point where the section of the casing begins. | **Well Screen Depth to Top** - feet below ground surface  **Well Screen Depth to Top Date Measured** |
| **Screen Bottom 1** | **Depth to Bottom of Screen (1)** - Depth to the bottom of the first or only screened interval below ground surface.  **Units**: feet below RPE or GSE  **Reporting Accuracy**: tenth of a foot or greater | **Bottom Perforation** - depth below ground surface to the bottom of a perforation interval measured in feet | **Screen Interval Bottom** - bottom screen interval | Not reported | **Depth to Bottom of Interval** - Enter the depth, in feet below land surface, of the point where the interval of hole ends or open interval ends.  **Depth to Bottom of Casing** - Enter the depth, in feet below land surface, to the point where the section of the casing ends. | **Well Screen Depth to Bottom** - feet below ground surface  **Well Screen Depth to Bottom Date Measured** |
| **Screen Top 2** | **Depth to Top of Screen (2)** - Depth to the top of the second screened interval below ground surface.  **Units**: feet below RPE or GSE  **Reporting Accuracy**: tenth of a foot or greater | Not reported | **Screen Interval 2 Top** | Not reported | Not reported | Not reported |
| **Screen Bottom 2** | **Depth to Bottom of Screen (2)** - Depth to the bottom of the second screened interval below ground surface.  **Units**: feet below RPE or GSE  **Reporting Accuracy**: tenth of a foot or greater | Not reported | **Screen Interval 2 Bottom** | Not reported | Not reported | Not reported |
| **Screen Top 3** | **Depth to Top of Screen (3)** - Depth to the top of the third screened interval below ground surface.  **Units**: feet below RPE or GSE  **Reporting Accuracy**: tenth of a foot or greater | Not reported | **Screen Interval 3 Top\*  \*goes up to 10** | Not reported | Not reported | Not reported |
| **Screen Bottom 3** | **Depth to Bottom of Screen (3)** - Depth to the bottom of the third screened interval below ground surface.  **Units**: feet below RPE or GSE  **Reporting Accuracy**: tenth of a foot or greater | Not reported | **Screen Interval 3 Bottom\*  \*goes up to 10** | Not reported | Not reported | Not reported |
| **Collection Agency** | **Collection Agency** - Name of the collecting/co-op agency that collected the groundwater level measurement. | **Collecting/Co-op Agency** - full name of the collecting/co-op agency that collected the groundwater level measurement | Full name of the agency that collected the groundwater level measurement | Not reported | **Agency Code   Measuring Agency** | Not reported |
| **Well Details** | Not reported. | Not reported | Not reported | Not reported | **National Water Use  Agency Use** | **Facility Status  Facility Status Start Date  Facility Availability  Facility Class  Well Source Type  Filtration Status  Shared Well  Source Class Code  Well Construction Date** |
| **Well Casing** | Not reported. | **Site Depth - Cased** - Total depth below ground of the general site's casing in feet | Not reported | Not reported | **Depth to Top of Casing** - enter depth in feet below land surface  **Depth to Bottom of Casing** - enter depth in feet below land surface  **Casing Thickness** | Not reported |
| **Well Casing Material** | **Well Casing Material** - Material that the well casing is made from. | Not reported | Not reported | Not reported | **Casing Material** - Enter the code that best indicates the material from which the casing is made | **Well Casing Material** |
| **Well Casing Diameter** | **Well Casing Diameter** - Diameter of the well casing.  **Units**: inches | Not reported | Not reported | Not reported | **Diameter of Casing** - nominal diameter in inches of the section of casing | **Well Casing Size** - inches |
| **Well Annular Seal Depth** | Not reported. | Not reported | Not reported | Not reported | **Bottom of Seal** - enter depth to the nearest foot below land surface to the bottom of the seal | **Well Annular Seal Depth -** feet **Well Annular Seal Material** |
| **Well Perforation Interval** | Not reported. | Not reported | Not reported | Not reported | **Depth to Top of Interval** - depth in feet below land surface  **Depth to Bottom of Interval** - depth in feet land surface | **Well Perforation Interval -** inches |
| **Well Slot Size** | Not reported. | Not reported | Not reported | Not reported | Not reported | **Well Slot Size** - inches |
| **Well Status** | **Well Status** - Status of the well.  **Options**: Planned, Active, Inactive, Abandoned, Other | **Well Status** - select description of well's status from the dropdown menu | **Well Status** | **Status** - well current status: ACT, INACT, DRY, NOACC, AB, or DEST | Not reported | Not reported |
| **Well Use Type** | **Well Use Type** - Primary use of the well.  **Options**: Municipal, Agricultural, Domestic, Monitoring, Industrial, Other | **Well Use Type** - select the description of the well's use from the dropdown menu | **Well Use** | Not reported | **Use of Water** - Enter the code that best describes the primary use of water from the site | Not reported |
| **Well Completion Type** | **Well Completion Type** - Description of well completion structure.  **Options**: Single well or part of a nested/multi-completion well | **Well Completion Type** - select the well completion type from the dropdown menu | **Well Completion Type** | Not reported | Not reported | Not reported |
| **Well Completion Report Number** | **Well Completion Report Number** - The Department of Water Resources Well Completion Report Number (OSWCR Legacy Log Number) | **Well Completion Report Number** - The Department of Water Resources Well Completion Report Number (OSWCR Legacy Log Number) | **Well Completion Report #** | Not reported | Not reported | **Well Completion Report Number** |
| **Well Construction Date** | **Well Completion Date** - Date that the well was completed.  **Date Format**: mm/dd/yyyy | Not reported | Not reported | Not reported | **Date of First Construction** - enter date on which construction began at the site. MM-DD-YYYY  **Date of Completed Construction** - Enter the date on which all work at the site was completed. MM-DD-YYYY | **Well Construction Date** - MM/DD/YYYY |
| **Well Location Description** | **Well Location Description** - Description of the location of the well and any other notes used to identify the well's location. | **Well Location Description** - Description of the location of the well and any other notes used to identify the well's location | **Well Location Desc** | Not reported | Not reported | Not reported |
| **Groundwater Basin** | **Groundwater Basin Name** - Name of groundwater basin the well is located within. | **Principal Aquifer** - Local identification of the principal aquifer that the well monitors | Associated Basin | Not reported | **Primary Aquifer** - eight-character code that best identifies the primary aquifer unit from which the water is obtained | Not reported |
| **County** | **County Name** - Name of the County the well is located within. | **County** - county the well is located within | **County** | Not reported | **County** - County Name, State of where the site is located | Not reported |
| **Monitoring Network** | **SGMA Monitoring Network** - The monitoring network that the well is associated with under a Groundwater Sustainability Plan.  **Options**: monitoring well, representative monitoring well, other | **Monitoring Network Type** - Specify whether the well is a part of the groundwater sustainability plan's monitoring network or representative monitoring network | Not reported | Not reported | Not reported | Not reported |
| **Additional Comments** | **Additional Comments** - Any additional comments concerning the well or required comments | **Additional Comments** - Provide either any additional comments concerning the well or required comments if 'other' was selected from any of the dropdown menus | **Additional Comments** | Not reported | Not reported | Not reported |