| **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 Well Name** - 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. | **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 | **Well Completion Report Number  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 |
| **Measurement Date/Time** | **Measurement Date** - Date and time groundwater level measurement was taken.  **Date Format**: mm/dd/yyyy | **Measurement Date** (mm/dd/yyyy) - groundwater level measurement date  **Measurement Time (PST 24-hour)** - time when the groundwater level measurement was taken | **Date (MM/dd/yyyy)  24-hour Time, PST (hh:mm)** | Date on which the elevation was measured.  Date format MM/DD/YYYY | **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 | **Static Water Level Date Measured** - The date that the static water level measurement for a groundwater or GWUDI source was measured.​ Not Available option provided. MM/DD/YYYY  **Pumping Water Level Date Measured** - The date that the pumping water level measurement for a groundwater or GWUDI source was measured. MM/DD/YYYY |
| **Reading at Reference Point** | **Reading at Reference Point (RRP)** - Groundwater level measurement reading as depth to water below the reference point of the well.   **Units**: feet  **Reporting Accuracy**: tenth of a foot or greater | **Reading at Reference Point** (feet) - reading of measurement device taken at the reference point of the well. | **Reading at RP** - reading of the measurement device taken at the reference point of the well. Enter a numerical value in feet. | **DTW** - Measured depth from top of well casing to groundwater surface reported to hundredth of a foot. | **Water Level** - enter the water level, in feet from measuring point at the site. Water levels below measuring point are unsigned, water levels above monitoring point are preceded by a minus sign (-), if WL type is M (measuring point). Precision can be carried to two decimal places. | Not reported |
| **Reading at Water Surface** | **Reading at Water Surface (RWS)** - Measurement of the watermark on a steel tape, equivalent, or electronic sounder after making the groundwater sounding; typically, 0.00 for an electronic sounder.  **Units**: feet  **Reporting Accuracy**: tenth of a foot or greater | **Reading at Water Surface** (feet) - The reading of the measurement device taken at the water surface of the well. Enter a numerical value in feet to the tenth decimal. | **Reading at WS** - The reading of the measurement device taken at the water surface (WS) of the well. Enter a numerical value in feet. Value must be between -300 and 14,505. | Not reported | Not reported | Not reported |
| **Reading at Vertical Datum** | Not reported | Not reported | Not reported | Not reported | **Water Level** - enter the water level, in feet from measuring point at the site. Water levels below vertical datum are unsigned, water levels above vertical datum are preceded by a minus sign (-), if WL type is S (vertical datum). Precision can be carried to two decimal places. | Not reported |
| **Water Surface Elevation (Calculated)** | **Water Surface Elevation** - Calculated water surface elevation (WSE).  **Calculated as**:  WSE = RPE - (RRP or RWS)  RPE = reference point elevation which is reported as part of the Well Characteristics attributes.  **Units**: feet above NAVD88 | Not reported | **WSE** - Water Surface Elevation (WSE). A calculated field, no is input required. | Not reported | Not reported | Not reported |
| **Ground Surface to Water Surface (Reported or Calculated)** | **Ground Surface to Water Surface (GS to WS)** - Depth to water below ground surface (bgs).  **Calculated as**: GS to WS = GSE - WSE  **Units**: feet bgs  **Reporting Accuracy**: tenth of a foot or greater | Not reported | **GS to WS** - Distance measured from ground surface (GS) to Water Surface (WS), or "depth to water". A calculated field, no is input required. | Not reported | **Water Level** - enter the water level, in feet from land surface datum (LSD) at the site. Water levels below LSD are unsigned, water levels above LSD are preceded by a minus sign (-), if WL type is L (land surface). Precision can be carried to two decimal places. | **Static Water Level** - Feet below ground surface. Used for groundwater and GWUDI sources only, this identifies the number of feet from the ground surface to the water table. This measurement is not applicable for horizontal wells.​   **Pumping Water Level** - feet below ground surface. Identifies the water level of a groundwater or GWUDI source while that source is actively producing water in a measurement of feet from the ground surface to the water table during pumping. |
| **Reading Point to Water Level (Calculated)** | Not reported | Not reported | **RP to WS** - Calculated value, no input required. Reading at RP - Reading at WS. | See Reading at Reference Point | Not reported | Not reported |
| **Water Level Datum** | **Water Level Datum** - Vertical datum of water surface elevation.  **Format**: NAVD88 (recommended) | Not reported | Not reported | Not reported | **Water-Level Datum** - [depth to] water level datum, mandatory if WL type is S (vertical datum) or other | Not reported |
| **No Measurement Code** | **No Measurement Code** - Code providing explanation for no groundwater level measurement being taken.  Includes a list of options to select from. | **No Measurement Type/Code** - type/code used to explain why a measurement was not taken | **NM Code** - code to explain why a measurement was not taken | Not reported | Not reported | Not reported |
| **Quality Measurement Code** | **Quality Measurement Code** - Code providing a description of the quality of the groundwater level measurement.  Includes a list of options to select from. | **Questionable Measurement Type Code** - type/code to explain why a measurement is questionable | **QM Code** - code to explain why a measurement is questionable | Not reported | **P** - Provisional data subject to revision  **A** - Approved  **R** - Reviewed and approved | Not reported |
| **Measurement Method** | **Measurement Method** - Method used to collect groundwater level measurement.  Includes a list of options to select from. | **Measurement Method Type/Code** - measurement method type/code used to collect groundwater level measurement | **MM Code** - specify the method by which water levels were measured. | Not reported | **lev\_meth\_cd** - code indicating how the water level was measured. When a water level is entered, the code is mandatory (A, B, C, D, F, G, H, L, M, N, O, P, R, S, T, V, W, X, Z)  **Method of Water Level Measurement** - enter code that best describes how the water level was measured  **Water-Level Type Code** - type of water level measured: L (land surface), M (measure point), or S (vertical datum) | Not reported |
| **Measurement Accuracy** | **Measurement Accuracy** - Accuracy of groundwater level measurement.  Includes a list of options to select from. | **Measurement Accuracy** - accuracy of groundwater level measurement | **MA** - estimated accuracy of the groundwater level measurement. | hundredth of a foot | **lev\_acy\_cd** - code indicating accuracy of the water-level measurement (0, 1, 2, 9, U)  **Water Level Accuracy** - foot, tenth, hundredth, or not to nearest foot | Not reported |
| **Collection Agency** | **Collection Agency** - Name of agency that collected 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** - Five-character code for the agency that is the source of data for a site or that is responsible for entering into GWSI  **Person Making Measurement** - six-character text field of the person making the water level measurement  **Measuring Agency** - Five-character code for the person who measured the water level | Not reported |
| **Water Level Description** | **Water Level Comments** - General description or other notes associated with groundwater level measurement. | **Water Level Measurement Comments** - Use this field to explain special circumstances related to the water level measurement not indicated in other fields. | **Comments** - Use this field to explain special circumstances related to the water level measurement not indicated in other fields. Also specify whether the information previously submitted or overwrites existing data. | **GW\_MEAS\_DESC** - DTW general description | Not reported | Not reported |