Points of Diversion

(rev. 5/20/2021)

Description

Under the California Water Code, water is a public resource that is protected for the use and benefit of all Californians. California's waters cannot be owned by individuals, groups, businesses, or governmental agencies. But permits, licenses, and registrations give individuals and others the right to beneficially use reasonable amounts of water.

Points of Diversion (PODs) are locations where water is being drawn from a surface water source such as a stream or river. Each water right registered with the California State Water Resources Control Board's Division of Water Rights includes an identified point of diversion. Ground water extraction points (such as water supply wells) are generally not included in this dataset.

The spatial and attribute information are maintained by the Division of Water Rights in the electronic Water Rights Information Management System (eWRIMS). Water Rights staff plot points of diversion based on the coordinates provided as part of the water right statement or application. The water source is identified visually in the GIS edit process. Additional spatial attributes (such as Regional Board, county, and public land survey system coordinates) are calculated automatically by the eWRIMS GIS system.

Credits

California State Water Resources Control Board, Division of Water Rights

Use Limitations

For mapping and illustration purposes only. This dataset is not a survey document as defined in California Business Code. Because of source data irregularities, some POD locations may be inaccurate by as much as half the width of a PLSS section. Coordinate values within this dataset do not constitute a public land survey as defined by California Business and Professions Code section 8726. Use of this dataset implies the acknowledgement and consent to these limitations.

Points of Diversion Field Definitions

Field Name	Definition	Source
OBJECTID	Machine-generated sequential feature number.	Code generated
POD_ID	Unique POD feature identifier.	Code generated
APPL_ID	Water right application ID.	eWRIMS database
POD_NUM	POD number for a specific water right application.	eWRIMS database
APPL_POD	Concatenation of the APPL_ID and POD_NUM.	Code generated
TOWNSHIP_NUMBER	Public Land Survey System (PLSS) township number containing the POD.	CA Div. of Oil, Gas and Geothermal Resources*

TOWNSHIP_DIRECTION	PLSS township direction containing the POD.	CA Div. of Oil, Gas and Geothermal Resources*
RANGE_NUMBER	PLSS range number containing the POD.	CA Div. of Oil, Gas and Geothermal Resources*
RANGE_DIRECTION	PLSS range direction containing the POD.	CA Div. of Oil, Gas and Geothermal Resources*
SECTION_NUMBER	PLSS section number containing the POD.	CA Div. of Oil, Gas and Geothermal Resources*
SECTION_CLASSIFIER	Classifier of the PLSS section containing the POD. (P = Projected)	CA Div. of Oil, Gas and Geothermal Resources*
QUARTER	PLSS quarter section containing the POD.	eWRIMS database*
QUARTER_QUARTER	PLSS quarter-quarter section containing the POD.	eWRIMS database*
MERIDIAN	Meridian of the PLSS section containing the POD.	CA Div. of Oil, Gas and Geothermal Resources*
NORTH_COORD	POD northing in CA State Plane feet, NAD83.	CA Teale Data Center
EAST_COORD	POD easting in CA State Plane feet, NAD83.	CA Teale Data Center
SP_ZONE	POD CA State Plane (NAD83) zone.	CA Teale Data Center
LATITUDE	POD latitude in decimal degrees, NAD83.	See LOCATION_METHOD
LONGITUDE	POD longitude in decimal degrees, NAD83.	See LOCATION_METHOD
LOCATION_METHOD	Source of the POD coordinates: • GIS_CLICK: mouse click on the eWRIMS GIS application map. GIS_LL: manual entry of latitude-longitude coordinates. • GIS_NE: manual entry of northing-easting coordinates. • GIS_TEALE: manual entry of CA Teale Albers coordinates. • GIS_UTM: manual entry of UTM coordinates. • GIS_BDO: calculated by bearing-distance-offset from PLSS section corner. • GIS_DDO: calculated by distance and offset from decimal degree coordinate.	Code generated.

TRIB_DESC	Narrative description of source tributary.	eWRIMS database
SOURCE_NAME	GNIS name of the nearest high-resolution NHD feature to diversion.	USGS National Hydrography Dataset
MOVEABLE	Moveable diversion point (Y/N).	eWRIMS database
HAS_OPOD	Has Official Point of Diversion statement (Y/N).	eWRIMS database
WATERSHED	Hydrologic Unit containing the POD.	Calwater 2.2.1
COUNTY	County containing the POD.	Teale Data Center
WELL_NUMBER	Well number for groundwater diversions.	eWRIMS database
QUAD_MAP_NAME	Name of USGS topographic quad map containing the POD.	USGS
QUAD_MAP_NUM	Number of USGS topographic quad map containing POD.	USGS
QUAD_MAP_MIN_SER	Series of USGS topographic quad map containing POD.	USGS
PARCEL_NUMBER	Assessor's Parcel Number containing the POD.	eWRIMS database
DIVERSION_SITE_NAME	Diversion site name.	eWRIMS database
LAST_UPDATE_DATE	Date of the last update of POD location.	System generated
LAST_UPDATE_USER_ID	ID of the user making the last update to POD location.	CIWQS database
SPECIAL_AREA **(deprecated – see SPECIAL_AREA table for current areas)**	Water Right special area containing POD location.	eWRIMS database
HUC_12	12-digit Hydrologic Unit Code area containing the POD location.	USGS
HUC_8	8-digit Hydrologic Unit Code area containing the POD location	USGS
HU_8_NAME	Name of the 8-digit Hydrologic Unit containing the POD location.	USGS
HU_12_NAME	Name of the 12-digit Hydrologic Unit containing the POD location.	USGS
SHAPE	GIS spatial feature.	System generated

* The state of California contains numerous Spanish land-grant area which are not covered by the official Bureau of Land Management Public Land Survey System. The California Division of Oil, Natural Gas and Geothermal Resources has created a "filled" PLSS layer which projects the BLM PLSS Township-Range-Section grid into the land grant areas. This layer is used to assign the Township-Range-Section values for the PODs. PODs with a value of "P" in the SECTION_CLASSIFIER field are in DOGGR "projected" sections. QUARTER and QUARTER-QUARTER field values, if available, are entered manually by Division of Water Rights staff.

POD Attributes Field Definitions

(Note: all data sourced from eWRIMS database)

OBJECTID	Machine-generated sequential feature number.
CORE_POD_ID	Unique POD feature identifier.
WR_WATER_RIGHT_ID	Unique Water Right record identifier.
POD_NUMBER	POD number for a specific water right application.

APPL_ID	Water right application ID.
APPL_POD	Concatenation of the APPL_ID and POD_NUMBER.
DIRECT_DIV_AMOUNT	Permitted rate of direct diversions, in units specified in POD_UNIT.
DIVERSION_STORAGE_AMOUNT	Permitted diversions to storage, in acre-feet per year.
DIVERSION_AC_FT	Total direct diversions, in acre-feet per year.
POD_UNIT	Units for the DIRECT_DIV_AMOUNT field.
P_PLACE_ID	Unique CIWQS party/place identifier.
POD_STATUS	Point of Diversion status.
FACE_VALUE_AMOUNT	Total amount of water permitted to be diverted under the water right, in acre-feet per year.
DIVERSION_TYPE	Type of diversion (direct diversion, diversion to storage, etc.).
DIVERSION_CODE_TYPE	Diversion feature type represented by the point.
WR_TYPE	Water right type.
WR_STATUS	Water right status.
STORAGE_TYPE	Type of storage associated with diversion.
FIRST_NAME	First name of the water right holder.
LAST_NAME	Last name or corporate name of the water right holder.
ENTITY_TYPE	Water right holder type (individual, corporate, etc.)

SPECIAL_AREA Table Definitions

OBJECTID	Machine-generated sequential feature number.
POD_ID	Unique POD feature identifier.
SPECIAL_AREA_LIST_ID	Special Area numeric ID
SPECIAL_AREA_NAME	Special Area name: - AB2121_NC: Areas governed by AB2121 North Coast instream flows policy - Legal Delta: The Legal Delta area defined in Section 12220 of the California Water Code - Delta Watersheds: Watersheds draining into the Legal Delta - Tribal Yurok: Yurok tribal jurisdiction - Suisun Marsh: Suisun marsh area - FASS: Fully appropriated stream system watersheds - Klamath Watershed: Klamath River basin

NHD_SOURCE Table Definitions

OBJECTID	Machine-generated sequential feature number.
POD_ID	Unique POD feature identifier.
POINT_TYPE	Point of Diversion type: moveable / nonmoveable
REACHCODE	High-resolution (1:24000-scale) National Hydrographic Dataset (NHD) reachcode of the stream reach or closest downslope reach of the diversion

MEASURE (**deprecated**)	Distance measure for the point of diversion on the reach as percentage of reach length (0: reach farthest downstream point, 100: reach farthest upstream point)
LAST_UPDATE_DATE	Date of last update
LAST_UPDATE_USER_ID	ID of last update user
GNIS_NAME	GNIS name of the stream reach (if any)

For questions regarding these attributes, contact the eWRIMS Help Center (https://www.waterboards.ca.gov/waterrights/water_issues/programs/ewrims/help.html).