

Water Diversion Report for Sonoma County



Speak up for those who cannot speak for themselves...

...speak up and judge fairly.

Proverbs 31: 8-9 NIV.

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All information obtained from the State Water Resources Control Board

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SCOPE AND LIMITATIONS OF THIS REPORT

This report presents selected data from the surface water appropriation permit files maintained by the California State Water Resources Control Board for all surface water appropriation permits issued by the Board in Sonoma County through 3/22/01 and all surface water appropriation permit applications pending in Sonoma County as of 3/22/01. The research presented here was completed on 8/24/01. Permit applications with a date in either the “Permit Date” or “License Date” column are issued. Applications with no date in the “Permit Date” column are pending, and confer no right to appropriate or use surface water. The values for “maximum direct diversion” and “maximum storage annually” provide are “not to exceed” values. Actual use could be less than these values.

Part I presents all applications organized alphabetically by “contact/owner.” Part II presents the same complete list of applications organized by source streams.

Riparian claims

Riparian owners may appropriate and use surface water under a claim of riparian right and are not required apply for an appropriation permit or to notify the SWRCB of the quantity of water diverted or used. Since many riparian owners do not file a “Statement of Use” with the State Water Resources Control Board, this report does not include surface water diversions under claim of riparian right.

Codes, abbreviations and colors used:

Blue & Green colors represent an application that has numerous locations for points of diversion. When there are numerous locations, as you will see in part II, the creek listed most will be used. When there are Unnamed Sources and Unnamed Tributary’s it will be listed into the next named creek. In Part II, the color pink is used for the totals for each creek.

DIRECT DIVERSION means the diversion of water for immediate use or diversion into a sump, holding reservoir, or tank from which it will be used at a more convenient rate if held less than 30 days.

STORAGE means the collection of water in a reservoir when there is surplus flow in the stream source for use during a time of deficient streamflow (generally, more than 30 days).

Local
waterways

- X-FILE
- ADOBE CREEK
- AGUA CALIENTE CREEK
- ALDER CREEK
- ALLEN CREEK
- AMERICANO CREEK
- ANTONIO CREEK
- ARROYO SECO CREEK
- ASBURY CREEK
- ATASCADERO CREEK
- WEST FORK ATASCADERO CREEK
- AUSTIN CREEK UNDERFLOW
- BARNES CREEK
- BARRELLI CREEK
- BIDWELL CREEK
- BIG AUSTIN CREEK
- BIG SULPHUR CREEK
- BLOXUM CREEK
- BLUCHER CREEK
- BRIGGS CREEK
- BROOKS CREEK
- CALABAZAS CREEK
- CARRIGER CREEK
- CARSON CREEK
- CHAMPLIN CREEK
- CHENEY GULCH
- CHERRY CREEK
- CLEAR CREEK
- COBB CREEK
- COLEMAN VALLEY CREEK
- CRANE CREEK
- CROCKER CREEK
- DRY CREEK
- DRY CREEK UNDERFLOW
- DUTCH BILL CREEK
- DUTCHER CREEK
- EAGLE CREEK
- EBABIAS CREEK
- EDWARDS CREEK
- ESTERO AMERICANO
- FALL CREEK
- FAY CREEK
- FELDER CREEK
- FELTA CREEK
- FELTA CREEK UNDERFLOW
- EAST BRANCH FIFE CREEK
- FIVE CREEK
- FOOTE CREEK
- FOWLER CREEK
- FRANZ CREEK
- FREEZEOUT CREEK
- SOUTH FORK FULLER CREEK
- GILMAN CREEK
- GILL CREEK
- GOSSAGE CREEK
- WEST FORK GOSSAGE CREEK
- GRAHAM CREEK
- GRAY CREEK
- GREEN VALLEY CREEK
- GRUB CREEK
- GUALALA RIVER
- SOUTH FORK GUALALA RIVER

IRRIGATION means the use of water for agricultural crops, commercial nurseries, or for maintenance of large areas (greater than one-half acre per establishment) of lawns, shrubbery, or gardens.

DOMESTIC means the use of water in homes, resorts, motels, organization camps, and campgrounds, including incidental watering of domestic stock for family use and the irrigation of up to one-half acre of lawn, ornamental shrubbery, or garden at any single establishment.

STOCKWATERING means the use of water for commercial livestock, including hosing out dairy barns. Water for domestic stock (not for commercial use) is a domestic use.

RECREATIONAL means the use of water for boating, swimming or fishing. This use includes water collected to storage and either kept in the reservoir or released downstream for these purposes. Reservoirs containing water to be used solely for recreational purposes at the reservoir should not be unreasonably large.

MUNICIPAL means all uses common to the municipal water supply of a city, town, or other similar population group, whether or not the area is incorporated, plus incidental uses for any beneficial purpose.

HEAT CONTROL means any application of water for the prevention of heat damage to crops.

FROST PROTECTION means the use of water for the protection of crops from frost damage.

INDUSTRIAL includes many uses that serve the needs of commerce, trade, or industry not covered by municipal use.

MINING includes the use of water in mining processes, such as placer mining, drilling, and milling, or concentration of ore.

POWER includes the generation of hydroelectric and hydromechanical power. Power use does not apply unless water is used to drive a device such as a turbine.

FISH AND WILDLIFE PRESERVATION AND/OR ENHANCEMENT is use of water, generally stored in a reservoir and later released downstream, to protect or support habitat or other benefits for fish and wildlife. The use of water for raising fish or other organisms for scientific purposes or for planting in a stream system is included under this use.

AQUACULTURE is the use of water for the raising of fish or other organisms for commercial purposes where the fish or organisms will not be released into a stream system.

WATER QUALITY includes storage of water for later release or otherwise diverted to protect or enhance the quality of other waters or for beneficial uses.

RECORD TYPES

- A - Appropriative
- C - Stockpond
- D - Small Domestic Reg
- E - Cert. of Right - Power
- F - Federal Filings
- G - Groundwater Recordation
- J - Adjudicated Right
- K - Complaint
- P - Pre-1914 Claim of right
- R - Riparian Claim of Right
- S - Statement of Div & Use
- T - Temporary Permit
- Z - Section 12 File

Waterways

- WHEATFIELD FORK GUALALA RIVER
- HARRASZTHY CREEK
- HARRISON CREEK
- HAYFIELD RESERVOIR
- HEALDSBURG SLOUGH
- HOBSON CREEK
- HOOD CREEK
- HOOT OWL CREEK
- HOUSE CREEK
- HUDEMAN SLOUGH
- HUICHICA CREEK
- ICARIA CREEK
- ITALIAN GULCH
- JENNER GULCH
- JONIVE CREEK
- KELLY CREEK
- KELLOGG CREEK
- KELLEY CREEK
- KIDD CREEK
- NORTH FORK KOLMER GULCH
- LAFRANCHI CREEK
- LAGUNA DE SANTA ROSA
- LAGUNA LAKE
- LAKE OLIVER
- LAMMERS CREEK
- LANCEL CREEK
- NORTH FORK LANCEL CREEK
- LEWIS CREEK
- LICHAU CREEK
- LITTLE SULPHUR CREEK
- LOS ALAMOS CREEK
- LOWERLAKE
- LYNCH CREEK
- LYTTON CREEK
- MAACAMA CREEK
- MAACAMA CREEK UNDERFLOW
- MARGARETS CREEK
- MARK WEST CREEK
- MARK WEST CREEK UNDERFLOW
- MATANZAS CREEK
- SOUTH FORK MATANZAS CREEK
- MAYS CANYON
- MCDONNELL CREEK
- MCKENZIE CREEK
- MILL CREEK
- MILL STREAM
- MILLER CREEK
- MILLS STREAM
- NATHANSON CREEK
- NOLAN CREEK
- OAK FLAT CREEK
- OAT VALLEY CREEK
- OLD HOUSE CREEK
- PACIFIC OCEAN
- PENA CREEK
- PETALUMA CREEK
- PETALUMA RIVER
- PHILLIPS GULCH
- PINE RIDGE CREEK
- PINER CREEK
- POCKET CANYON
- POLE MOUNTAIN CREEK

RECORD TYPES continued

UNST - Unnamed Stream
UNSP - Unnamed Spring
UNCR - Unnamed Creek
UNDR - Unnamed Drain
UNSL - Unnamed Slough

N - North
S - South
E - East
W - West

CFS - Cubic Feet per second

1 cubic foot per second is a rate of flow passing any point equal to a volume of one cubic foot of water every second.

One is equivalent to:

- = 7.48 U.S. gallons per second
- = 448.8 U.S. gallons per minute
- = 646,317 U.S. gallons per day

AC-FT - Acre feet/ Annually

1 acre-foot is the amount of water which will cover 1 acre to a depth of 1 foot.

One is equivalent to:

- = 43,560 cubic feet
- = 325,851 U.S. gallons

GPD - Gallons per day

1,000,000 U.S. gallons per day

is equivalent to:

- = 1.55 cubic feet per second
- = 43.81 liters per second
- = 3.07 acre-feet per day

ONE THEORETICAL HORSEPOWER is calculated by multiplying the vertical fall of water in feet by the rate of waterflow in cubic feet per second and dividing the product by 8.8.

It is equivalent to:

- = 550 foot-pounds per second
- = 746 Watts

List of waterways

- POOL CREEK
- PORTER CREEK
- PORTERFIELD CREEK
- PURRINGTON CREEK
- QUINLAN GULCH
- R D 2047 MAIN DRAIN CANAL
- RAINS CREEK
- RANCHERIA CREEK
- REDWOOD CREEK
- REDWOOD LOG CREEK
- RINCON CREEK
- RODGERS CREEK
- EAST BRANCH RUSSIAN GULCH
- WEST BRANCH RUSSIAN GULCH
- RUSSIAN RIVER
- RUSSIAN RIVER UNDERFLOW
- SALMON CREEK
- SALT CREEK
- SAN ANTONIO CREEK
- SANTA CREEK
- SANTA ROSA CREEK
- SOUTH FORK SANTA ROSA CREEK
- SAUSAL CREEK
- SAWMILL GULCH
- SHELL CREEK
- SHELL SLOUGH
- SCOTTY CREEK
- SCOTTY CREEK UNDERFLOW
- SHEEPHOUSE CREEK
- SONOMA CREEK
- SPRING CREEK
- ST. ELMO CREEK
- STEAMBOAT SLOUGH
- STEMPLE CREEK
- STEWARTS CREEK
- STEWARTS POINT CREEK
- STOCKHOFF CREEK
- STUART CREEK
- TANNERY CREEK
- THOMAS CREEK
- TIMBER COVE CREEK
- TOLAY CREEK
- VAN BUREN CREEK
- WALLACE CREEK
- WARD CREEK
- WEEKS CREEK
- WHEATFIELD FORK
- WHITMAN CANYON
- WILLOW BROOK CREEK
- WINDSOR CREEK
- WINDSOR CREEK UNDERFLOW
- WRIGHT CREEK
- YELLOWJACKET CREEK
- YULUPA CREEK