

BCPUD PIPELINE



SUMMER 2015

270 Elm Road, P.O. Box 390, Bolinas, CA 94924 (415) 868-1224

In Brief...

Drainage Consultation Services Available!

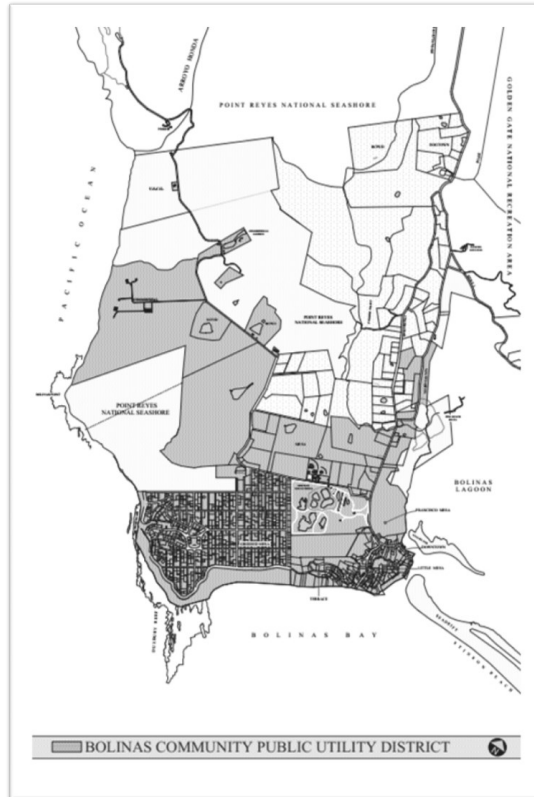
For those of you planning ahead, this is a reminder that drainage consultation services are available through the BCPUD for properties within the septic/drainage service charge area on the Big Mesa. Please call the office at 415-868-1224 if you would like more information about this service.

In general, our staff is able to provide specific advice and recommendations about how the drainage at your property can be improved and provide you the elevations needed to properly install ditches and culverts. In addition, the BCPUD provides culverts at cost to Bolinas residents and we have a supply on-hand at our corporation yard.

Finally, if you are aware of areas on the Big Mesa in need of drainage maintenance, such as overgrown ditches or blocked culverts, please call us and let us know.

Water or Sewer-Related emergency?
Call 415-868-1224
(24 hours)

Some Key Facts about the Bolinas Community Public Utility District and Your Water Sources



The Bolinas Community Public Utility District ("BCPUD") was formed in 1967 when the Marin County Board of Supervisors approved the consolidation of the Bolinas Beach Public Utility District (which served the Big Mesa) and the Bolinas Public Utility District (which served the Little Mesa and downtown areas). The map to the left depicts the jurisdictional boundaries of the BCPUD, which is surrounded by the Point Reyes National Seashore (to the north), the Pacific Ocean (to the west), Bolinas Bay (to the south) and the Bolinas Lagoon and Golden Gate National Recreation Area (to the east). The BCPUD is governed by a five-member publicly elected Board of Directors and day-to-day operations are conducted by a staff of six full-time equivalent employees.

The BCPUD's principal water source is the Arroyo Hondo Creek, which is located in the Point Reyes National Seashore, directly to the north of Bolinas. The BCPUD maintains four separate licenses with the State

Water Resources Control Board ("SWRCB") to divert up to 113 acre feet of water (approximately 37 million gallons) each year directly from the Arroyo Hondo Creek to the Woodrat Water Treatment Plant for immediate use; these licenses also authorize BCPUD to divert an additional 30 acre feet annually from the Arroyo Hondo Creek to storage in the Woodrat Reservoir #2.

This photo depicts the BCPUD's "lower dam" on the Arroyo Hondo Creek; water is diverted from this location (or another point further up the creek) and conveyed via gravity piping directly to the Woodrat Water Treatment Plant.





The photo above is of the Woodrat Reservoir #2 (which stores up to 30 acre feet of water).



In addition to the Arroyo Hondo Creek, the BCPUD has two emergency water sources: Woodrat Reservoir #1, which is located off of Mesa Road behind the Woodrat Water Treatment Plant, and Woodrat Reservoir #2, which is located about ¼ mile further down Mesa Road. The BCPUD maintains licenses with the SWRCB to collectively store up to 56 acre feet of water (approximately 18.25 million gallons) each year into these reservoirs (inclusive of any diversions to storage from the Arroyo Hondo Creek). In general, the BCPUD accesses water from its reservoirs for emergency purposes only, or when it is not possible for operational reasons for the BCPUD to divert water directly from the Arroyo Hondo.

The BCPUD has two treated water storage tanks: the “East Tank” and the “West Tank”. Each of these tanks stores approximately 430,000 gallons, for a combined storage capacity of 860,000 gallons. This represents the amount of water needed to supply the community for 8 – 9 days at the current rate of consumption.

The photo to the left is of the district’s two treated water storage tanks on Mesa Road.

The BCPUD treats the raw water received from its surface water sources at its Woodrat Water Treatment Plant, pictured below, on Mesa Road. The treatment plant was constructed in 1995 and subsequently upgraded in 2007 to provide low-pressure microfiltration of raw water, which is

then chlorinated for disinfection purposes before leaving the treatment plant for storage in the BCPUD’s two water storage tanks.

Water is distributed via gravity to the Big Mesa and this pressure zone contains approximately 4/5 of the district’s connections. A second pressure zone serves Gospel Flats, downtown and the Little Mesa, where a series of pressure reducing valves regulates and lessens the water pressure in those areas.

BCPUD’s average annual water production over the last five years has been approximately 36 million gallons or 112 acre-feet. This amount represents an average daily water demand for the entire distribution system of 98,630 gallons; an amount that is further broken down to 168 gallons per day per service connection. Notably, in 2014, in response to the BCPUD’s appeal to customers for conservation in light of the on-going drought, water production in the district dropped to 29.65 million gallons, or 90.99 acre feet. This amount represents an average daily water demand for the entire distribution system of 81,232 gallons; an amount that is further broken down to 138 gallons per day per service connection. *As such, water consumption in Bolinas during 2014 declined by 30% when compared to 2013.*



As we head into the heart of our summer months, please keep up your impressive conservation efforts! The district is very grateful to each and every one of you for reducing your water use. Thank you very much!