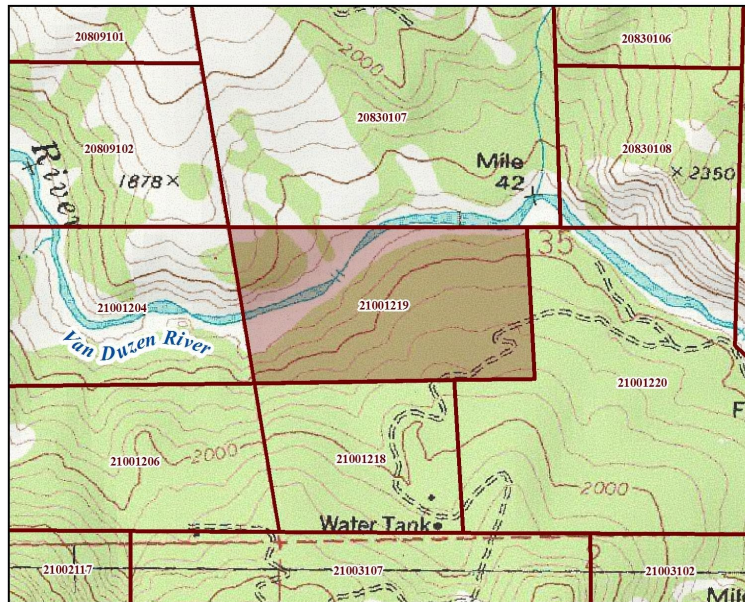




**Department of Cannabis Control  
Grant Proposal for the  
Water Storage Program  
*For***

**Bridgeville Organic Pharms, LLC  
APN 210-012-019**

*Located*  
**North of McClellan Rock off HWY 36  
Bridgeville, California**



Prepared for:  
Bridgeville Organic Pharms, LLC  
Humboldt County App #10822/CUP #16-157  
Humboldt County APN: 210-012-019  
Bridgeville, CA

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## **Scope of Work:**

The Scope of Work (SOW) provided in this grant proposal includes the following:

- Purchase of 13 additional 5,000-gallon water tanks. The additional 13 water tanks will be used as both transfer tanks to the existing water tanks as well as storage tanks to increase the existing onsite storage capacity.

As the cost for water tanks and plumbing infrastructure slightly exceeds the maximum grant amount the cost of delivery and installation is not included in this proposal budget, only the materials listed above. The start and end dates to implement the SOW above are dependent upon many factors including, but not limited to, approval of this proposal and awarding of grant funds and materials availability and delivery time. In the event this proposal is accepted, and grant funds are awarded the applicant would like to implement the SOW as soon as possible to have the additional water tanks in place prior to the beginning of the 2022/2023 wet season. A rainwater catchment system utilizing the impermeable roof surfaces of two existing drying sheds is proposed for the Project Site.

Based on rainwater collection calculations a 1,000 square foot surface will collect approximately 560 gallons in a 1-inch storm event. Using mean annual precipitation measurements for the property sourced from the University of Oregon's Prism Climate Group Program the average mean annual precipitation for the last 40 years (1980 to 2021) is 67 inches. If the two existing drying shed structures proposed for rainwater collection are included in the collection system, the approximate collection area (impermeable roof surface) is 1,200 square feet. Using these values, it is anticipated that approximately 45,300 gallons of rainwater per wet season can be collected if the SOW is implemented using the two existing structures and the average mean annual precipitation amounts occur. The anticipated rainwater capture volume is approximately 50% of the irrigation needs for the current cultivation area. Installation of the rainwater catchment system and additional water storage will significantly reduce the volume that would be sourced from the existing groundwater well, or a potential surface water diversion that has not been installed yet. The applicant is considering installation of additional impermeable surfaces to collect more rainwater and decrease reliance on the existing groundwater well or a potential surface water diversion.

There are currently 31 plastic water tanks (refer to the Site Plan for water storage locations and volumes) with a total volume of 115,100 gallons of off-stream storage. The total annual water usage for irrigation is approximately 95,000 gallons per cultivation season. This amount is based on 2021 irrigation volumes. Water use for previous cultivation seasons and square footage varies and the total volume above is not intended to reflect a maximum amount for each year's irrigation requirements.

Installation of the 13 additional 5,000-gallon water tanks will increase onsite water storage by 65,000 gallons to a total of 180,100 gallons. The total onsite storage following implementation of the SOW will provide approximately 85,000 gallons in additional storage volume as compared to current irrigation needs allowing for future expansion of the cultivation area to meet the total cultivation area applied for under the CCLUO program. For the 2021 Phase I efforts cultivation consists of 16,872 ft<sup>2</sup> of light deprivation cultivation and 4,610 ft<sup>2</sup> of outdoor cultivation, along with 1,920 ft<sup>2</sup> of immature plant area in two dedicated greenhouses at CA #3. Bridgeville Organic

Pharms, LLC. has submitted pre-2016 documentation for the farming of 40,025 ft<sup>2</sup> of cultivation, consisting of 22,875 ft<sup>2</sup> of outdoor farming and 17,150 ft<sup>2</sup> of light deprivation cultivation as our objective for full Phase 2 production on the property.

Refer to the attached Cultivation and Operations Plan (COP) Site Plan previously submitted to the Humboldt County Planning and Building Department (HCPBD) as part of the Commercial Cannabis Land Use Ordinance (CCLUO) permit application process. The Site Plan shows the current site layout including existing structures, water tanks, and cultivation areas. The 13 additional water tanks are proposed to be sited on the flat area directly upslope and east of Hoop House #7 HH #7).

### **Cost of Work to Implement the Scope of Work:**

The Cost of Work (COW) provided in this grant proposal includes the following:

- Purchase of 13 additional 5,000-gallon water tanks and plumbing infrastructure.

Requested amount of funding for implementation of the SOW: \$60,000.00.

Refer to the attached Line Item Budget for estimated costs for implementation of the SOW discussed above.

### **Attachments (also included in online grant application):**

Line Item Budget (cost estimate from Bayside Garden)

COP Site Plan (Plot Plan)

Owner Consent Form