

Cultivation and Operations Plan

Description of Water Source, Storage, Irrigation Plan, and Project Water Usage

Water sources for the parcel have historically consisted of a number of registered springs and diversions. See the attached State Water Resources Control Board, Division of Water Rights Initial Statement of Diversion and Use (ISDU). However, at this time two deep ground water wells have been dug and serve as the current project water source (see well completion report WCR2018-010668 and WCR2020-002739 and associated Lindberg Geologic Consulting well assessments).

Anticipated annual water use for Organic Humboldt, LLC is in accord with the following table (water use may vary from year to year due to climate and plant need variation):

Month	Average Daily Use (gallons)	Monthly total (gallons)
January	206	6,400
February	228	6,400
March	220	6,400
April	690	20,700
May	838	26,000
June	1,061	29,700
July	1,419	44,000
August	1,467	44,000
September	1,317	39,500
October	838	26,000
November	220	6,400
December	206	6,400
Total estimated water usage		261,900

Water storage consists of a number of hard poly vinyl tanks. There are an addition set of pond water storage that is not in use for this project and some removal and remediation measures are address for the ponds in the Water Resource Protection Plan (WRPP). Please see WRPP for particular prescriptions. The water storage tanks currently serving the project include three 1,000 gallon, fifteen 3,000 gallon, four 3,500 gallon, and twenty 5,000 gallon tanks for a total of 162,000 gallons of tank stored water.

A combination of hand watering and drip irrigation is used to support the plants needs. Seed free mulch is applied as an additional water conservation measure.

Description of Site Drainage



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All cultivation areas utilize erosion control measures such as seed free straw bales or manufactured erosion control barriers. No soil or other sediment is allowed to run from the cultivation areas during any period of the year. Specific measures are detailed in the Water Resource Protection Plan.

Detail of Measures taken to Ensure Protection of the Watershed and Nearby Habitat

All roads have appropriate water bars which have been in place for at least 5 years. Used soil is reclaimed: soil is kept in place with straw bale barriers and covered with green manure (a variety of legumes and clover). After the green manure has been dug back into the soil, it is re-used in cultivation.

All structures are appropriately graded; otherwise the natural contours of the parcel have not been altered.

Protocols for Proper Storage and Use of Fertilizers, Pesticides, and Other Regulated Products

All chemicals used in cultivation are stored in a barn with a concrete slab. Proposed chemicals are: Safer Soap, Doctor Zymes, Green Clean, neem. Organic Humboldt also uses a natural compost heap.

Organic soil amendments are delivered directly to the soil and worked in.

Gasoline is stored in 5 gallon fuel containers which are placed in totes for additional secondary containment or within the Honda 6,000 watt generator, which is in a shed with a concrete floor and a lip such that any spillage would be contained. The capacity of the shed floor and lip is at least 110% of the capacity of the fuel stored on site. At no time does Organic Humboldt store fuel in excess of the reportable quantity (55 gallons).

Description of Cultivation Activities

The project is for a conditional use permit for 37,428 square feet of existing outdoor cultivation and 22,000 square feet of existing mixed light cannabis cultivation.

Processing Plan

All drying and processing will be done in existing structures on this parcel by members of the Corporation. At harvest, plants will be cut down and dried and processing will be conducted. If the members are unable to process all the product, the applicant will deliver the product to a permitted processing facility.

Employees

The labor force will consist of three fulltime employees with possible occasional increases of an additional person or two at peak seasons (spring and or fall).

Schedule of Activities During the Season

Outdoor cultivation:

Plants cultivated will be delivered to the site and planted as early as the season permits, usually in early April.

Harvest:

The timing of harvest is to be dictated by the condition of the plants. When the plants are ready for harvest, they are cut down, dried and cured in the on-site processing facility for up to 3 months. The used soil is reclaimed as stated above.

Security Plan

There is only one road leading to the cultivation areas, which are accessible only through a locked gate. The road terminates on the parcel. Solid fencing is situated between the cultivation areas and roads adjacent to the property. The parcel is monitored using electronic surveillance game cameras.