

**RECEIVED**

*By Andrew Whitney at 2:02 pm, Jan 30, 2024*

**APN 208-271-011**

**3107 Coyote Flat Rd.  
Dinsmore, CA 95526**

PREPARED BY:

**Ivan D Jimenez**  
*CEO Gold Rush Farm*

**Humboldt County CMMLUO Permit**

**PLN-12603-SP**

*State lic#* **CCL19-0001809**

### **Cultivation and Operation Plan**

Purpose of the Cultivation and Operations Plan Subsection (d) of Section 314-55.4.10 of the county code sets forth the required elements of a cultivation and operations plan. These required elements are addressed below and include: 1. Water source. 2. Storage. 3. Irrigation plan. 4. Projected water usage. 5. Description of site drainage, including run-off and erosion control measures. 6. Details of measures taken to ensure protection of water shed and nearby habitat 7. Protocols for proper storage and use of fertilizers, pesticides and other regulated products used. 8. Description of cultivation activities detailed processing plan. 9. Schedules of activities during each month of the growing and harvesting season. 10. Security plan.

### Water Source

All water used in cultivation is currently sourced on-site from a pre-1974 well. A water well completion report has been done by FreshWater Environmental and issued to the planning dept.

### Storage

Water is currently stored in two 2,825-gallon, one 500 gallon, and one 5,000-gallon tanks on-site. Water storage capacity will be increased to 20,000 gallons for cultivation water as well as a dedicated 2,500 fire suppression tank. All tanks will be filled prior to May 15th of every year.

### Irrigation Plan

All irrigation is done by a drip water system which is implemented by hand, ensuring that a minimal amount of water is delivered directly to the plants, as necessary. Extreme effort is taken to ensure the irrigation system does not waste water.

### Projected Water Usage

Based on current and projected water use, we estimate that in total 129,000 gallons on average will be used annually for production. Water usage is monitored on-site by a well meter and kept on water usage logs.

Month	Garden 1	Garden 2	Misc	Total/Gal
Dec-April	15000	15000	1000	31000

May	8000	70500	500	15000
June	10000	9500	500	20000
July	13000	11000	1000	25000
August	10000	9000	1000	20000
Sept	7000	7000	1000	15000
Oct	5000	4500	500	10000
Nov	1500	1000	500	3000
			<b>Total</b>	<b>129,000 Gal</b>

## Drainage

### **Site Drainage**

Farming sites: All cultivation occurs in areas which are relatively flat (less than 5% slope). Cultivation occurs in 12" top soil beds and 45-100gal mesh smart pots and fenced fields. All irrigation is maintained in greenhouses and no run off is allowed to escape. Because of strict protocols for water usage, run off is not created.

**EROSION CONTROL:** Erosion is prevented by limiting cultivation to areas of the property with slopes less than 5 %. The on-site water tanks have an associated french-drain capable of handling any potential tank failure which drains into vegetative swales to ensure no discharge into waters of the State can occur.

**DITCHES:** Additionally, all culverts and drainage ditches are lined and properly maintained to prevent erosion and sediment movement during the wet winter months when cultivation is not occurring.

### Protection of water shed and nearby habitat

Gold Rush Farm has contracted Timberland Resource Consultants to develop a water resource protection plan for the property, which has been completed; and has been enrolled in the North Coast Regional Water Quality Control Board's Waiver of Waste Discharge program as a Tier 2 Discharger. GRF will monitor all water and site activity throughout the year and report such activity in accordance with the NCRWQCB Tier 2 requirements. Additionally, the applicant has installed a water flow meter on the main cultivation area to track the water use for cultivation activities. GRF has also conducted the following: **Road Evaluation Report** and an **Archaeological Survey**

### Storage Fertilizers and Pesticides

GRF only uses organic and natural fertilizers, and pesticides products. Applicant has developed an all-organic compost tea plan for the cultivation process as part of our Pest Management Plan, which has been completed. Components are stored in a locked shed and accessed only by a license applicator. In addition, to ensure no chemicals are used for cultivation, GRF has developed an integrated beneficial bug plan. Any pesticides used adheres to organic farming standards along with the approved state Agricultural Department's list of pesticides. Any application of pesticides is done by a certified pesticide applicator who wears a full protective suit (PPE) with gloves and respirator mask in a properly ventilated area in accordance with the label instructions. GRF has developed a Pesticide Plan in accordance with DPR standards, which will ensure environmental and worker safety.

## **Cultivation Activities**

Cultivation activities are performed in the county permitted area of the parcel and consists of two garden sections. Cultivation Site 2 is made of four 100'x13' ground beds and 1,605 square feet of plants in pots or individually dug holes. Cultivation site 1 is located between two class II Ephemeral Watercourses. Cultivation Site 1 is two 100'x8' ground beds and two 60'x8' ground beds. These beds have been relocated from the original cultivation area to comply with County SMA regulations. Total Cultivation area shall not exceed 9,365 square feet. Cultivation activities typically commence in April when plants are started in 3" pots and propagated in the nursery 936 square foot nursery area. After reaching an appropriate size, the plants are then transplanted into common beds directly in the ground; and which are amended with organic nutrients. Plants are grown in a full sun cycle. Then they are harvested between mid-October to November.

## **Nursery and Propagation**

Nursery plants will be grown from seed on site and/or clones will be purchased from a licensed source. The nursery plants will be propagated in pots under 45-watt LED supplemental fluorescent lights to promote the vegetative cycle. Propagation will be set up under our nursery canopy. These plants will then be transplanted into the common beds of the gardens and then veg and flower according to the full sun harvest cycle. However, we may choose to purchase clones from an approved state licensed nursery.

## **Processing Plan**

Harvesting is done by hand; and plants are hung, according to strain, in multipurpose 10'x10' covered sheds in the cultivation zone under controlled conditions to keep temperature and humidity levels for proper curing of the flower. Drying/Curing typically takes 5-7 days. After drying, the plants are bucked down in lockable bins and weighed to determine the total plant matter weight. Stalks are collected and stored until destroyed in a burn barrel under constant monitoring. Burning is during appropriate burn times to meet or exceed air quality standards. The applicant has a burn permit for this activity.

## **Processing**

Leafing and trimming of the plants is conducted on site by hand. Great care is taken to maintain all work surfaces and equipment in clean and sanitary conditions. Harvest personnel work in sanitary well-ventilated spaces, and at times extreme working conditions Protocols to prevent contamination of cannabis product from becoming molded and/or mildewed are strictly followed. The finished product is packed and accounted for according to the standards set forth by the Agricultural Department.

To ensure protocol is followed for all activities, the applicant keeps logs of all monitoring procedures of the processing plan.

## **Soil and Spoils Plan**

### **Soil**

Beds are amended and a winter cover crop is planted. Applicant a winterization plan. There is no soil waste on the site.

### **Spoils**

Green waste is weighed and composted and then disposed of in the greenwaste zone. Applicant has developed a Waste Management plan.

## Monthly Activities

**January** No cultivation activity.

**February** No cultivation activity.

**March** No cultivation activity.

**April** Clones are delivered from a licensed source, seed plants are planted on seed starters.

**May** Clones are transplanted into 3” pots to continue veg growth.

**June** Plants are planted directly into beds in Garden 1 and Garden 2

**July/August** Plants continue to veg and transition to flower under full sun conditions.

**September** Plants are in flower production.

**October** Gardens are harvested when cannabis flowers reach maturity.

**November** Gardens are harvested when cannabis flowers reach maturity.

## **Employee Standards**

All employees receive training specific to their position when starting.

GRF has completed the following:

**Injury Illness Prevention Program**

**Heat Illness Prevention Program**

**Fire Prevention and Evacuation Program**

## **Employment Plan**

Currently we employ one full-time position for administration manager and we utilize contract labor as needed. In the event contract workers are hired, GRF will comply with all applicable federal, state, and local laws and regulations governing California agricultural employers, which includes federal and state wage and hour laws, CalOSHA, California agricultural labor relations, and Humboldt County codes.

Both the owner *Ivan Jimenez* and the senior position *James Stoller* have completed the CalOsha training and passed certification.

## **Power source**

### **Administrative/additional structures**

- 1 - Goal Zero Yeti 1500X Portable Power Station
- 2 - Goal Zero Yeti 1500X Portable Power Station
- 3- Goal Zero Yeti 500X Portable Power Station
- 4- Goal Zero Yeti 1500X Portable Power Station

### **Emergency back up**

1. HONDA EB6500 664320 6500 W 120/240 V Industrial Generator

## **Security plan**

Cultivation area/ administration office and additional structures are locked behind 6' redwood fences. Additionally, the gardens are individually locked and secured. The surrounding premises are equipped with motion detection cameras and lighting. Strict protocols are followed to ensure security systems are in place 24/7, and a guard dogs is always on site.