

Cultivation and Operations Plan

1 DESCRIPTION OF CULTIVATION ACTIVITIES

FinMark Farms LLC is seeking Humboldt County CCMLUO for 30,000 square foot of existing outdoor. The Applicant is currently sourcing water from a rainwater catchment pond on the Parcel. The pond holds approximately 364,954-gallons of water. There are ten (13) Irrigation use HDPE tanks, totaling 60,000-gallons of hard tank storage on-site. The total storage capacity for the Parcel is 415,454-gallons. The Applicants estimated annual water use is 276,840 gallons.

There are three (3) buildings on the Parcel that are used for cannabis cultivation activities. The Dry Shed is a 40'x60' structure that was constructed in 2005. It is used for harvest storage, processing and packaging, and immature plant activities. A 8'x16' Cargo container added to the operation for secure storage.

2 WATER

Water source + Storage:

Source:

Irrigation water for this project comes from the integrated rainwater distribution system serving PLN: 13374,13337,13367,13336,13356,&13365. See water availability analysis for further information and map.

Irrigation water for this project comes from two rainwater catch ponds. A rainwater catch pond with approximate capacity of 350,000 gallons located on APN: 218-051-008, and a rainwater catch pond with over 2,000,000 gallon capacity on APN: 218-071-003. these water sources provide ample water for all property needs.

- Five (7) 5,000-gallons HDPE tanks;
- Five (5) 2,500-gallons HDPE tanks;
- One (1) 3,000-gallons HDPE tanks;
- 364,954-gallon Rainwater Catchment Pond. located on-site.
- Over 2,000,000 million gallon rainwater catch pond located off parcel.

The total storage for the Parcel including the pond is 415,454-gallons.

Irrigation Plan:

All irrigation of cannabis is completed by a timed, drip irrigation system preventing any over watering or runoff. The Applicant utilizes time of day watering, and moisture retentive soils for water conservation. Water is applied at no more than agronomic rates. No runoff is produced by irrigation practices.

Projected Water Usage:

The Applicant estimates their annual water use to be approximately 276,840 gallons.

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
0	0	0	13350	29300	42770	56390	62100	47430	25500	0	0

Water usage will be recorded monthly and reported annually pursuant to the Water Board, CDFW, DWR, and/or any other relevant agency requirements.

3 SITE CHARACTERISTICS

The Applicant's parcel is located in the inland zone of Humboldt County near New Harris, CA. The Parcel is located off Island Mountain Road, which is in acceptable condition. There are no graded flats on the Parcel that have been identified to require permitting.

Much of the project site is covered with second growth forests and buffers of native vegetation are maintained around all cultivation areas. Most of the parcel is covered by trees and perennial bushes and is conserved as wilderness.

All access onsite are well-maintained with adequate drainage to address runoff and erosion. Site is in compliance with all Water Board standards and is monitored and maintained regularly following all Best Management Practices.

Site is well vegetated with stable, undisturbed soils. Any exposed or disturbed areas of soil that are found during routine inspection shall be reseeded and mulched with straw and shall be monitored and maintained to promote revegetation. Erosion control measures (hay waddles, straw bales, etc.) are implemented on an as-needed basis prior to each rainy season to help minimize sediment discharge, in accordance with Water Board standards.

4 WATERSHED + HABITAT PROTECTION

Project site occupies a flat ridgeline, cultivation areas are on slopes less than 15%, and is relatively far (>200ft) from any surface waters. The road network consists of a driveway (Hog Trap Road) and multiple access roads. There are frequent road drainage features that eliminate sediment delivery to surface waters. There are permanent rolling dips to ensure road surface erosion is adequately controlled.

Applicant is enrolled in Water Board's Cannabis program continuously since 2016. Maintains compliance with all program requirements and fees.

All trash, recycling, amendments, fertilizers, and other cultivation related materials are stored such that they are secured from wildlife and cannot be released into the natural environment.

Buffers of natural vegetation and habitat are maintained around all areas of human activity. The majority of parcel is undeveloped and conserved in a wild state.

Cultivation areas will be maintained to prevent nutrients from leaving the site at all times: during the growing season and post-harvest.

5 STORAGE + HAZARDOUS MATERIALS

Cargo container on-site for storage of fertilizers, pesticides, and other regulated products is in accordance with best practices, including storage within an enclosed space to prevent surface water contamination.

All cultivation related items and wastes are stored in locations and in a manner in which they cannot enter or be transported into surface waters and such that nutrients or other pollutants cannot be leached into groundwater, and cannot enter the environment.

Area has posted instructions for proper storage of all materials kept here in addition to Spill Prevention, Control, and Countermeasure (SPCC) Plan and kit onsite with all necessary items for cleaning up spills.

Amendments and Nutrients:

Amendments will be brought to site and used immediately. No amendment storage onsite.

Fertilizers, nutrients, etc that are not immediately used are stored in the cargo container. Secondary containment provided for all liquid products. All products applied per package directions or more conservative.

Pesticides and Herbicides:

The Applicant will be using items that were accepted under Legal Pest Management Practices for Marijuana Growers in California. Only OMRI listed and/or approved products will be utilized for pest and disease control. All products are stored in the Cargo container. Secondary containment is provided for all products. All products are applied using package directions.

Fuels:

Nominal fuel storage onsite. Typically 1 or 2 x 5-gallon containers for incidental use. Site has PG&E

6 SOILS MANAGEMENT

The bulk of non-native soils onsite have already been present in the garden areas for multiple seasons and are amended annually. Only nominal amounts of supplemental non-native soils are brought to site each year, if at all. Any new soils brought to site are typically used immediately. Only nominal amounts of soil stored onsite are stored in an enclosure or in accordance with Caltrans Construction Manual Stockpile Management WM-3 guidelines. At the conclusion of each season's activities, the site is winterized. All smart pots and garden beds are mulched with straw to prevent soil transport during the off-season. It is highly unusual to have waste soil onsite. All soils are amended and reused. In the event of there being waste soil or spent growing medium, it will be transported off site and disposed of at a licensed waste facility. Any waste soil/media shall be stored in accordance with Caltrans WM-3 until it can be transported off-site.

7 SOLID WASTE/RECYCLING

Refuse and garbage is stored in a location and manner that prevents its discharge to receiving water and prevents any leachate or contact water from entering or percolating to receiving waters.

Storage Area: Trash and recycling are stored in trash cans with lids in the shed.

Removal Frequency: Trash and recycling removed from site at least once weekly or more frequently.

Disposal Facility: Redway transfer station.

8 GREENHOUSE COMPLIANCE

The greenhouses have pervious floors (bare soil) and are in compliance with Humboldt County Code Section 314-43.1.3.2. They do not contain perimeter foundation, do not have improved floors and do not have improved footpaths.

9 SCHEDULE OF ACTIVITIES

Month	Activities
January	No activity. Infrequent visits for site maintenance.
February	No activity. Infrequent visits for site maintenance.
March	Preparation. Bring materials to site.
April	Immature Plant Activities.. Plant.
May	Transplanting and site maintenance
June	Farm operation and maintenance
July	Farm operation and maintenance. Harvest
August	Farm operation and maintenance. Replant
September	Farm operation and maintenance. Harvest
October	Harvest
November	Dry. Processing. Clean up.
December	No activity. Infrequent visits for site maintenance.

10 Power Source + Energy Use

PG+E Service to site. 2- 250 gallon propane tanks used for heat during the drying process.

11 OPERATIONS AND PROCESSING PROTOCOLS

Processing Practices:

Dependent upon market conditions, the operator may opt to conduct processing operations offsite, processing onsite, or may opt to not process at all (crop direct to extraction without processing). All operations will comply with all pertinent regulations.

Direct to Extraction (no processing) – crop or portion of crop sold direct to extraction with no processing required.

Offsite Processing – crop or portion of crop sent to licensed processing facility in compliance with all required regulations and documentation.

Onsite Processing – crop or portion of crop processed onsite in the building noted on Site Map as “Dry Shed” utilizing trim machine. Any onsite processing will comply with all required safety and sanitation practices will be followed including frequent handwashing, and the wearing of gloves and masks.

Any processing activities conducted onsite will follow all applicable regulations and requirements as stated by all agencies with jurisdiction.

Staffing

During baseline operations, 1-2 staff onsite. During busier times of season, temporary seasonal workers may be hired through a licensed 3rd party staffing company.

Days and Hours of Operation

The facility is not open to the public and will not accept visitors without a specific business purpose.

Hours of operation will typically be from 10 AM to 3 PM. Commercial activities such as shipping and receiving will be limited to 8:00 AM to 6:00 PM. Due to the remote location of the facility and the limited commercial activity window, there are anticipated to be no significant noise or traffic impacts upon the occupants of neighboring properties.

Safety Practices: Cultivation and drying procedures implement best practices to the highest

degree feasible. Full compliance with any and all applicable County and State regulations.

Safe Drinking Water, Toilets, and Sanitary Facilities

At all times, there will be access to safe drinking water and toilets and handwashing facilities that comply with applicable federal, state, and local laws and regulations.

Applicant has contract with B+B portable toilet to provide and maintain facilities in accordance with the requirements of all relevant regulations.

Increased Road Use:

Project activities do not present a significant increase in road use.

Onsite Parking:

There is ample onsite parking. Parking spots are noted on the Site Map.

Onsite Housing:

No onsite housing.

10 SECURITY PLAN

The security measures located on the premises will include the following:

- a) Lighting and Surveillance- Motion sensor lighting is installed around the facilities.

Alarm —Guard dogs are also present on the property during operations.

- b) Access Control - All entrances to the facility are restricted by locked gates. The remote location of property provides an additional component of security.

APN: 218-051-008

APP: 13374

Applicant: FinMark Farms LLC

- c) Fencing — The cultivation area is fenced for wildlife providing intrusion protection.
- d) All cultivation related items and products will be stored in locked and secured locations.
- e) All Marijuana other than lab samples will be transported to State licensed and/or locally permitted licensed cannabis wholesale, distribution, or manufacturing companies by a State licensed and/or locally permitted licensed transport company.