



SITE MANAGEMENT PLAN

(Humboldt County Materials Management Plan and Stormwater Management Plan)

In fulfillment of
Order WQ 2017-0023-DWQ

General Waste Discharge Requirements and Waiver of Waste Discharge Requirements for
Discharges of Waste Associated with Cannabis Cultivation Activities

Prepared for:

Black Bear Farms, LLC

&

State Water Resources Control Board



APN: 211-283-007

Tier 1, Low Risk Discharger
Historic WDID: 1B16610CHUM
State WDID: TBD

Prepared by:



NORTHPOINT
CONSULTING GROUP, INC.

August 2019

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INTRODUCTION

Black Bear Farms, LLC applied for coverage under the State Water Resources Control Board (SWRCB) General Order WQ 2017-0023-DWQ *General Waste Discharge Requirements and Waiver of Waste Discharge Requirements for Dischargers of Waste Associated with Cannabis Cultivation Activities*¹ ("SWRCB Order") on June 7, 2019 (Application Number 416207). A statewide WDID number has yet to be assigned. The purpose of the SWRCB Order is to implement the requirements for waste discharges associated with cannabis cultivation as described in SWRCB's *Cannabis Cultivation Policy – Principles and Guidelines for Cannabis Cultivation* ("SWRCB Policy"). The SWRCB Policy provides a structure for managing water quality and instream flow impacts associated with cannabis cultivation. It also establishes criteria for personal use and site conditional exemptions and includes a tiered approach for permitting discharges of waste. All eligible dischargers developing land for cannabis cultivation activities are required to enroll in the program under the Order. Dischargers must implement Best Practicable Treatment or Control (BPTC) measures and submit technical and monitoring reports to assure compliance with the Order. This Site Management Plan describes how the discharger is complying with the applicable BPTC measures listed in the SWRCB Order/Policy and how they are being implemented property wide.

The property was historically enrolled with the North Coast Regional Water Quality Control Board (NCRWQCB) for coverage under Tier 2 of Order No. 2015-0023 *Waiver of Waste Discharge Requirements and General Water Quality Certification for Discharges of Waste Resulting from Cannabis Cultivation and Associated Activities or Operations with Similar Environmental Effects in the North Coast Region*² ("NCRWQCB Order") and was assigned original WDID Number 1B16610CHUM.

SITE INFORMATION

Registrant: Black Bear Farms, LLC
1835 Whittier Ave Suite A4
Costa Mesa, CA 95569

Site Address: 337 West McCann Road
McCann, CA 95569

Parcel: Assessor Parcel Number: 211-283-007
Lat/Long: 40.3289, -123.8361

Zoning: General Plan Land Use Designations: Timber (T), Residential Agriculture (RA20-160)
Zoning: Timber Production Zone (TPZ), Agriculture Exclusive (AE), Unclassified (U)

Acres: Parcel: 182 acres (Humboldt County WebGIS – Assessed Lot Size)

¹ https://www.waterboards.ca.gov/water_issues/programs/cannabis/cannabis_water_quality.html

² https://www.waterboards.ca.gov/northcoast/water_issues/programs/cannabis/# Waiver of Waste



Disturbed Area: Approximately 0.31 acres

Location: The project is located in McCann, California. To reach the site from Eureka, take US Southbound 101 approximately 41.6 miles to Exit 663 for CA-254 Toward South Fork/Honeydew. Follow Dyerville Loop Road to West McCann Road / Witlow Road (Approximately 7 miles). Cross the Eel River using the low water crossing or take the McCann Ferry across the river, depending on the time of year, to reach the site.

SITE DESCRIPTION

Environmental Setting

The parcel is in McCann, California in the Cameron Creek – Eel River watershed (HUC-12 #180101050502). The middle main stem of the Eel River runs northwesterly through the parcel, and numerous Class II and III drainages run southwesterly to drain into the Eel River. Most of the parcel is hilly and forested with redwood and Douglas' fir trees, with slopes ranging from upwards of 35% to 15%. An approximately 5-acre historic agricultural grazing field with slopes between 5 and 15% is located adjacent the river in the southwest area of the property. A wetland is located along the southern edge of the property in the southeastern corner of the agricultural field. Elevation on the parcel ranges from approximately 1,700 feet in the northeastern corner of the property to approximately 150 feet above sea level at the Eel River in the southwestern area of the property. The parcel contains approximately 37 acres of prime agricultural soils. The property is zoned Agriculture Exclusive (AE), Timberland Production (TPZ), and Unclassified (U), and the property has land use designations of Timber (T) and Residential Agriculture (RA20-160).

Existing and Proposed Land Use

Historically, the parcel has been home to decades of ranching and agricultural operations as well as timber harvesting and domestic uses. Currently, the site is utilized for cannabis cultivation, horse grazing, livestock, and domestic activities. Existing onsite infrastructure includes a residence, hoop houses for cultivation, an 8' x 15' storage shed, a 36' x 20' drying facility/garage, two (2) 12' x 48' storage tents, a 60,000-gallon steel-bolted metal water storage tank, numerous smaller hard plastic storage tanks, and water diversion infrastructure. The property is powered by PG&E.

Permitting Status

Black Bear Farms, LLC holds an approved Zoning Clearance Certificate to cultivate 10,000 square feet of new mixed-light cultivation on the subject parcel in accordance with the County of Humboldt's (County) *Commercial Medical Marijuana Land Use Ordinance* (CMMLUO), Ordinance No. 2544. The project was assigned Application # 10676 by the Humboldt County Planning and Building Department.

Water Storage and Use

Irrigation demand for the current cultivation square footage is approximately 129,000 gallons annually. Black Bear Farms, LLC primarily sources water for irrigation from a shallow well, a groundwater well, and from rainwater catchment. The groundwater well is not hydrologically connected to surface waters, but the shallow well has been determined by the California Department of Fish & Wildlife to be hydrologically connected to surface waters and therefore requires a water right and a Streambed Alteration Agreement. As such, a Small Irrigation Use Registration has been applied for (#H506556) with the State Water Resources Control Board and a Streambed Alteration



Agreement has been issued by the California Department of Fish and Wildlife (Notification No. 1600-2016-0279-R1). Currently, 69,100 gallons of water storage exists on site in the form of one (1) 60,000-gallon steel tank, one (1) 3,500-gallon tank, two (2) 1,550-gallon tanks, and one (1) 2,500-gallon tank. Additional water storage is proposed to be added to the site. Water sources are equipped with meters and water usage will be tracked annually (see Appendix C).

TIER AND RISK DESIGNATION

The Policy provides criteria for evaluating threats to water quality for cannabis cultivation sites based on three site characteristics: proximity to water body, total disturbed area, and slope of the disturbed area. Based on the criteria and site characteristics the subject property is classified as a **Tier 1, Low Risk Discharger**. The total disturbed area is 0.31 acres, all of which is appropriately located outside of setbacks and is located on slopes of less than 30% (Table 1).

Table 1: Disturbed Area Size, Slopes, and Setbacks

Disturbed Area Type	Area (ft ²)	Disturbed Area Slope	Distance to Water Body (ft.)	Water Body Type
Cultivation Area	10,000	4%	170 / 190 / 250	Class III / Class I Drainage / Wetland
3,500-gal Tank and Solar Panel	100	8%	190	Class III Drainage
60,000-gal Steel Water Tank	1,400	6%	118	Class III Drainage
8' x 15' Storage Shed	120	5%	130	Class III Drainage
(2) 1,550-gal Water Tanks and (1) 2,500-gal Water Tank	200	5%	125	Class III Drainage
Two 12' x 48' Storage Structures	1,150	4%	103	Class III Drainage
36' x 20' Drying Facility/Garage	720	6%	50	Class III Drainage
Total Disturbed Area:	13,690 (0.314 acres)			

The road network on the property has been historically used for logging and ranching purposes. The majority of the road is not utilized to access cannabis cultivation and is rarely driven (usually only by ATV during dry months) until timber operations occur. Portions of the road are maintained according to the guidance provided by the *Handbook for Forest, Ranch, and Rural Roads* ("Road Handbook") by Pacific Watershed Associates, and some portions of the road require improvements. Due to the historic logging use and disassociation with cannabis cultivation activities, the road network was not included in the disturbed area. However, the road was still evaluated for threats to water quality and recommendations have been included in Section 1.2 below. See Appendix A for a map of disturbed areas.



BEST PRACTICABLE TREATMENT OR CONTROL (BPTC) MEASURES

In order to evaluate the site, a field inspection was conducted by NorthPoint staff in April 2019. At the time of the inspection, the property was undergoing an ownership transition and was subsequently not being utilized for cultivation. Some details about onsite operations were collected orally from the new property landowner and cultivation operator.

BPTC measures are being utilized as part of the road maintenance program to protect water quality. The *Construction Site Best Management Practices (BMPs) Manual* by the CA Department of Transportation (Caltrans) and the City of Santa Barbara's *Storm Water BMP Guidance Manual* are two manuals being referenced for the correct installation, maintenance, and monitoring of all applicable erosion control and sediment capture BPTC measures. Appendix B can be referred to for specifications on recommended BPTCs. **Site-specific BPTC Measures are bolded throughout the document.**

1. SITE CONDITIONS, EROSION PREVENTION AND SEDIMENT CAPTURE BPTC MEASURES

1.1. SITE MAP

The Disturbed Area Map shows all relevant site features: storage areas, roads, buildings, cultivation areas, and other disturbed areas related to cultivation activities. Erosion prevention and sediment control BPTC measures are identified on the BPTC Map (see Appendix A).

1.2. ROAD NETWORK AND DRAINAGE

Road Network: The majority of the ±0.9-mile road network is not driven except for monitoring purposes and is not associated with cannabis cultivation. The entrance road leading to cultivation (±0.1 miles) receives approximately 2 vehicle trips per day. The remainder of the road network was constructed for logging, ranching, and domestic purposes. The road is constructed out of native clay soils and gravel and has been negatively impacted by livestock usage. Slopes range from 4% to 30%. A Non-Industrial Timber Management Plan was prepared for the property by Timberland Resources Consultants (Harvest Document Number 1-14-NTMP-008-HUM NTO#1). Road work outlined in the NTMP, including culvert replacements and road drainage improvements, is believed to have been conducted post timber operations in 2015 or 2016.

Eight (8) existing rolling dips were identified on the historic logging road network, **five of which are proposed to be reshaped and reinforced to improve functionality** (see BPTC Map in Appendix A for details). **Fifteen additional rolling dips are proposed to be installed to improve road conditions, four of which are proposed rocked rolling dips** due to the saturated substrate (see Appendix A). Two existing 12" ditch relief culverts convey water off of the road, both of which are proposed to be maintained and regularly monitored for plugging. **Additionally, the road is proposed to be rocked in order to reduce erosion of the clay substrate.** No new roads are proposed as part of this project. The proposed erosion BPTC prevention measures will be implemented prior to the 2020 rainy season and the road construction standards described in the "Road Handbook" will be adhered to for all road improvements. Stockpiled materials for road maintenance, such as gravel, will be stored in stable locations and contained using appropriate BPTC



measures. No stockpiled materials will be stored within riparian setbacks or near watercourses.

Drainage: Cultivation is located on an existing agricultural field that has historically been used for livestock grading and agriculture. Historically, at an unknown date greater than two decades ago, a ditch was constructed on the northeast end of the field to collect water and convey it westerly toward STX-3 (see below). This ditch collects the majority of the water that falls on the property and is now a well-established Class III watercourse. The field is flat, well-vegetated and drains naturally. No corrective actions are proposed.

1.3. WATER BODIES, STREAM CROSSINGS, AND RIPARIAN SETBACKS

There are no ponds located on the property. An approximately 74,000-square foot wetland is located in the southern corner of the agricultural field on the property. The area meets criteria for three-parameter wetland, as delineated by James Reagan in June 2019, and is not proposed to be disturbed in any way. The cultivation activities are located well outside the 100-foot buffer from the wetland area. All cannabis-related structures comply with applicable riparian setbacks as outlined in Attachment A of the General Order (see Table 1, above).

Fourteen (14) stream crossings were identified on the property during an April 2019 site visit. A landslide prevented NorthPoint staff from continuing up the road past Stream Crossing 14 (see below).

- Stream Crossing 1 (STX-1) is an existing 18" corrugated plastic pipe located where a Class III drainage crosses a spur road that offshoots from near the residence. The culvert was recently replaced under the NTMP, is functioning adequately, and is proposed to be maintained.
- Stream Crossing 2 (SXT-2) is an existing 24" corrugated plastic pipe that drains a Class II watercourse. This culvert was recently replaced under the NTMP, is functioning adequately, and is proposed to be maintained.
- Stream Crossing 3 (STX-3) is an existing 24" corrugated metal pipe that drains a Class III ditch running along the north end of the agricultural field. The culvert inlet meets the culvert outfall draining STX-2 at a near right angle. Subsequently, the bank near the inlet of this culvert (opposite of the outlet of STX-2) is exhibiting signs of erosion. Additionally, the culvert is prone to debris plugging due to the sharp angles of the culver alignment. Ideally, the outlet of STX-2 would be aligned with the outlet of STX-3 to eliminate the problem all together. Until such a time when the road network is upgraded and culverts are realigned, **the discharger proposes to armor the bank to prevent further erosion.** Monitoring of this area is proposed to ensure effectiveness of the armoring and to prevent future erosion.
- Stream Crossing 4 (STX-4) is an existing 24" corrugated metal culvert located where a Class III watercourse crosses a historic skid road and current trail northeast of the agricultural field. The culvert is slightly misaligned with the channel, though no erosion problems were noted. This culvert was recently replaced under the NTMP and is proposed to be maintained.
- Stream Crossing 5 (STX-5) is an existing 24" corrugated metal culvert located where a Class III watercourse crosses a historic skid road and current trail northeast of the agricultural field. The culvert outlet is placed approximately 1.5'



above the grade of the stream and should ideally be laid on grade with the stream channel. However, no erosion issues were noted. This culvert was recently replaced under the NTMP and is proposed to be maintained.

- Stream Crossing 6 (STX-6) is located where a Class III watercourse crosses an unused logging road. Currently there is no engineered structure draining the watercourse though no erosion was noted at the site. Consistent with the NTMP, a rocked ford is proposed to be located at this crossing.
- Stream Crossing 7 (STX-7) is an existing 24" corrugated plastic pipe located on a Class II stream. The culvert was recently replaced under the NTMP, is adequately functioning, and is proposed to be maintained.
- Stream Crossing 8 (STX-8) is an existing 18" corrugated plastic pipe located on a Class III watercourse. The culvert was recently replaced under the NTMP, is functioning adequately, and is proposed to be maintained.
- Stream Crossing 9 (STX-9) is an existing rocked ford. The crossing is adequately functioning, is covered under the NTMP, and is proposed to be maintained.
- Stream Crossing 10 (STX-10) is an existing 18" corrugated plastic pipe located on a Class III drainage. The pipe is adequately functioning. **A critical dip is proposed to be installed prior to the 2020 rainy season in order to convey potential diverted flows back into the drainage in the event of plugging.** This culvert is covered under the NTMP and is proposed to be maintained.
- Stream Crossing 11 (STX-11) is an 18" corrugated plastic pipe located on a Class III drainage. The pipe appears to be adequately functioning. This culvert is covered under the NTMP and is proposed to be maintained.
- Stream Crossing 12 (STX-12) is located where the historic logging road crosses a small Class III drainage. There is currently no engineered crossing, though no erosion was noted, and the natural crossing appears to be adequately functioning.
- Stream Crossing 13 (STX-13) is an existing 18" corrugated plastic pipe located on a Class III watercourse. The crossing is adequately functioning, is covered under the NTMP and is proposed to be maintained.
- Stream Crossing 14 (STX-14) is an existing rocked ford located on a Class II watercourse. The crossing is proposed to be rocked ford per the NTMP, however it was impacted by a landslide in 2017 and needs reconstruction. The crossing is located on a historic logging road that is no longer used, and the landslide prohibits vehicles from traveling up the road further. **The rocked ford is proposed to be repaired prior to the 2020 rainy season.**

1.4. SPOILS PILES

There are currently no spoils piles on site. Prior to the winter season, a soil pile will likely be located to the west of the cultivation area outside of riparian setbacks. The area is flat with slopes less than 5% and will be appropriately situated so leachate from the pile will not enter surface waters. The pile will be properly winterized prior to the rainy season, likely with a tarp underneath the pile and straw wattles located around the pile.

1.5. SOIL DISTURBANCE

Soil disturbance from cannabis cultivation operations is minimal. Cultivation is located on a historic agricultural/grazing site and no grading has occurred for cultivation operations other than the 1,400 sq. ft. area for the 60,000-gallon capacity rainwater catchment tank. The ½" cut bank slope from the water tank disturbance has re-vegetated and is stable. No



corrective actions are proposed, as all other current disturbed areas are in compliance with the Order and are not exhibiting signs of erosion that require specific attention.

1.6. WINTERIZATION

Winterization measures will be implemented annually by November 1st and interim erosion prevention BPTC measures will be utilized as needed throughout the year. Section 5 "Winterization BPTC Measures" has more information on proposed actions to protect water quality in the winter season.

1.7. MONITORING AND MAINTENANCE ACTIVITIES - EROSION PREVENTION AND SEDIMENT CAPTURE

1.7.1. MONITORING

Existing stream crossings and ditch relief culverts will be regularly monitored for plugging. The bank near the inlet of STX-3 will be monitored for plugging and signs of additional erosion and treated as necessary. STX-4 and STX-5 will also be monitored for any signs of erosion due to the slight culvert misalignment. In addition, winterization measures that are implemented will be monitored for effectiveness (inspected during the first major winter storm event) before the site is closed for the winter. See Appendix E for monitoring and maintenance data sheets.

Table 2. BPTC Effectiveness Monitoring

Monitoring Requirements	Description	Specific BPTC Measure	Monitoring Frequency
Winterization Measures Implemented	Report winterization procedures implemented, any outstanding measures, and the schedule for completion.	Straw wattles around soil pile	October - May
Tier Status Confirmation	Report any change in the tier status. (Stabilization of disturbed areas may change the tier status of a facility. Contact the Regional Water Board if a change in status is appropriate).		Annually
Active Erosion or Sediment Control Areas	Observe areas of active erosion or sedimentation for signs of improvement.	Bank erosion near STX-3 inlet	Monthly

1.7.2. MAINTENANCE

Year-round maintenance of all erosion prevention and sediment capture measures is required. All existing measures shall be maintained, repaired, or replaced as needed. The ditch relief culverts will be regularly checked for plugging and/or debris build up. Invasive species found in disturbed areas shall be removed or composted. Exposed soil in areas of heavy foot or vehicle traffic shall have rock or 2-4" of weed-free mulch reapplied as needed. Any captured sediment in inboard ditches or culvert outfalls will be removed and stabilized in a designated flat area or reintegrated onsite. The sediment may be re-used for site improvement where it will not threaten water quality. See Appendix E for a log of monthly BPTC monitoring and maintenance records.



2. FERTILIZER, PESTICIDE, HERBICIDE, AND RODENTICIDE BPTC MEASURES

2.1 STORAGE

Fertilizers, including Alpaca Poo, Worm Castings, Cal-Mag, and Molasses, are trucked in from an offsite location to the site as-necessary in heavy-duty locking trash barrels. These liquid or dry products are stored in the leak-proof trash barrels either in the 8' x 15' Storage Shed or in the 36' x 20' garage. All liquid products are stored in secondary containment to prevent leachate or spills from entering surface waters. Pesticides, currently only consisting of Neem Oil, are stored in the 36' x 20' garage and are rarely used. NO rodenticides are used onsite. Appropriate BPTC measures will be utilized when storing, handling, mixing, applying, and disposing of all fertilizers or pesticides. Inventory of products occurs periodically throughout the growing season, and necessary products are delivered to the site as needed. See Appendix D for a list of fertilizers and pesticides used onsite and for fertilizer/pesticide application tracking sheets.

2.2 APPLICATION

Mixing of fertilizers and teas occurs manually near the 8' x 15' storage shed in the two (2) 1,550-gallon mixing tanks and the one (1) 2,500-gallon mixing tank. The discharger may bring one or two 250-gallon caged tanks onsite for fertilizer mixing. This area is located over 150 ft. from the nearest watercourse, outside of riparian setbacks. The fertigation mix is applied efficiently via the use of drip-emitters.

2.3 DISPOSAL AND SPILL PREVENTION/CLEANUP

Trash and recycling from cannabis operations, including empty soil and fertilizer bags, liquid fertilizer bottles, cultivation supplies, etc., are stored in one of the 12' x 48' storage tents or in the garbage cans located inside the residence prior to being taken to the nearest Waste Management Authority. The discharger ensures that trash and recycling products are separated and takes great care with liquid products to prevent spills.

3. PETROLEUM PRODUCT BPTC MEASURES

3.1. STORAGE, APPLICATION, SPILL PREVENTION AND CLEANUP

The property is powered by Pacific Gas & Electric Company, though some onsite tools or equipment may sometimes require petroleum products. A backup generator is stored onsite for emergency purposes only. Petroleum products, including approximately eight (8) 5-gallon gas cans, are stored in one of the 12' x 43' structures. **The discharger will ensure secondary containment for all petroleum product storage containers.** Any onsite vehicles and machines are regularly monitored for leakage and when not in use are stored in a designated location outside riparian setbacks and >50 ft. from drainageways. Special care is taken when transporting and handling all petroleum products. Spill prevention/cleanup BPTC measures will be utilized if necessary, and the discharger keeps a spill kit complete with cat litter and absorbent alpaca wool onsite for use in the event of a spill.

3. TRASH/REFUSE AND DOMESTIC WASTEWATER BPTC MEASURES

3.1. HOUSEHOLD TRASH AND CULTIVATION-RELATED WASTE

There is currently one full-time resident living in the house onsite. Waste is generated from domestic activities and is stored in garbage cans inside the house. As described



above, all refuse is transported to an appropriate facility weekly. Organic cultivation-related waste is composted near the cultivation area on the flat.

3.2. RESIDENTS, EMPLOYEES, AND VISITORS

There is one permanent onsite resident. Approximately three full-time employees and two part-time employees operate the cannabis cultivation activities onsite, though exact employee numbers may vary throughout the season. Occasional visitors to the site may include delivery drivers, agency personnel, or distributors/transporters. The site is not open to the public.

3.3. DOMESTIC WASTEWATER GENERATION AND DISPOSAL

Any persons onsite have access to the bathroom and septic system located inside the residence. If required, a portable toilet regularly serviced by a licensed professional may be brought onsite to serve employee needs. Greywater from the residence is also directed into the septic system.

4. WINTERIZATION BPTC MEASURES

4.1. ROADS AND DRAINAGEWAYS

Appropriate erosion prevention and sediment control measures will be installed, maintained, and monitored for effectiveness prior to the winter season. Road work requiring heavy machinery, such as construction or reshaping of rolling dips, shall be conducted only during the dry season. Any temporary water bars will be reshaped prior to the onset of the winter season. The ditch relief culverts and stream crossing culverts will be inspected for erosion or clogging prior to the rainy season and after a significant storm event. Any debris and sediment found to be clogging culverts, inlets/outlets, or drainageways will be removed and appropriately stored, reused, or disposed of.

4.2. DISTURBED AREAS

All disturbed areas will be inspected for potential and active erosion issues. Such sites will be repaired/controlled as needed using appropriate BPTC measures. For all areas of concern, if any BPTC measures cannot be installed prior to winter, the Regional Water Board must be contacted to establish a compliance schedule to protect water quality.

4.3. PRODUCTS AND WASTE

Cultivation-related products and waste (including fertilizers, pesticides, and herbicides) are inside the garage or the shed within secondary containment during the rainy season when not in use. They may also be safely transported offsite. Prior to winter, any machines or equipment with petroleum products will be stored out of the elements where potential leaks will not enter surface waters. Any waste from cultivation or spent petroleum products are regularly removed from site. Appropriate BPTC measures are utilized for all stockpiled materials (including soil piles, sawdust, soil amendments, rock, compost, treated wood, polytube or other irrigation equipment, plastic sheeting, etc.) that may have the potential to migrate to surface waters or that may be hazardous to wildlife. Any stockpiled materials will be stockpiled in an upland area away from watercourses, covered, and/or stored within a structure.



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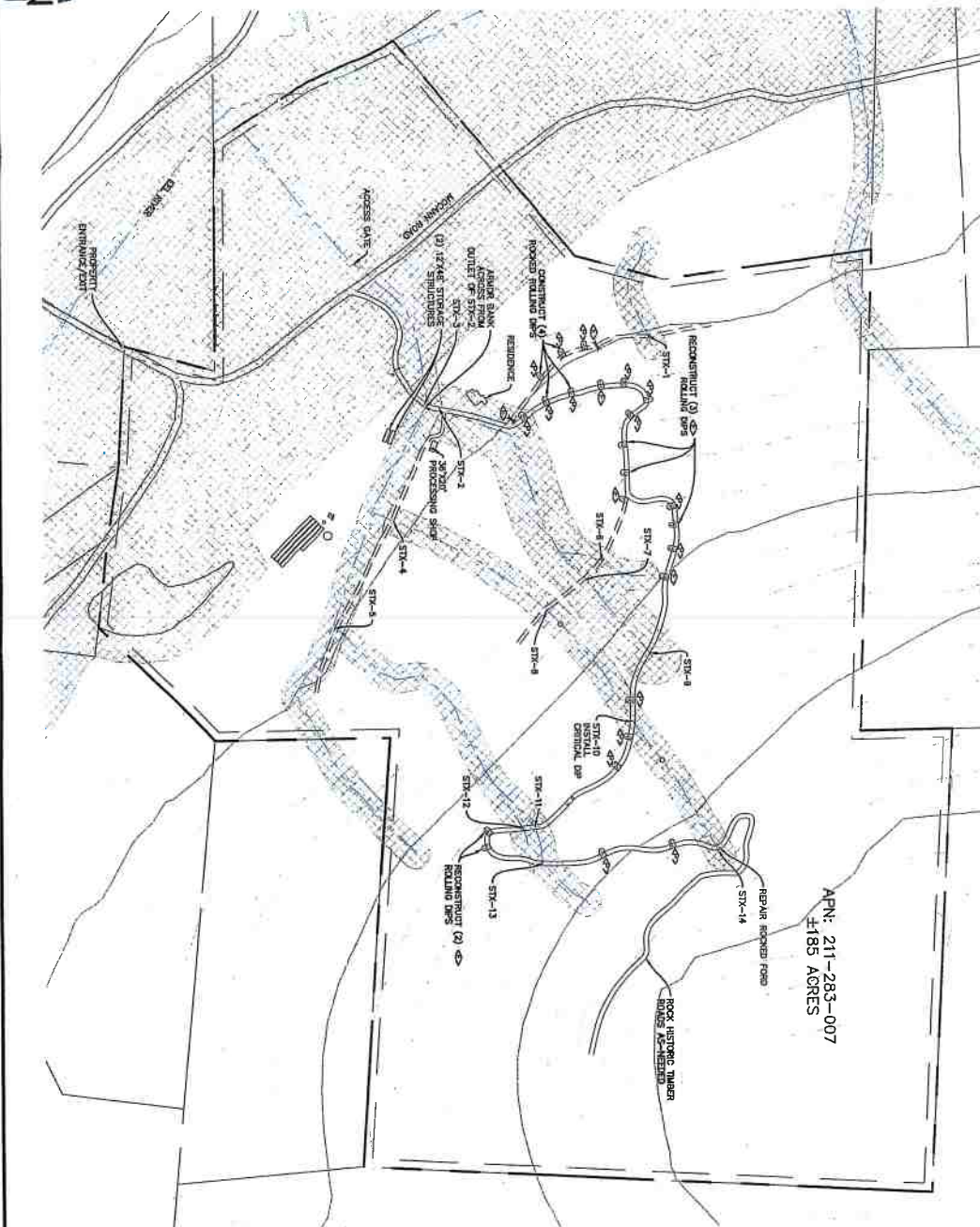
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BPTC MAP

APN: 211-283-007

APN: 211-283-007
±185 ACRES



BPTC MAP

1X17 SHEET: 1st=400



LEGENDA:

WATERCOURSE

ROLLING DIP

DUTCH RELIEF

EXISTING

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DISCUSSION

INDEX:

OVERVIEW

1

SHEET INDEX:

SNP0 - SITE OVERVIEW
SNP1 - BPTC MAP

19-014

SMP1

BLACK BEAR FARMS, LLC

337 W MCANN ROAD, MCANN, CA 95569

SITE MANAGEMENT PLAN - BPTC MAP



NORTHPOINT
CONSULTING GROUP, INC.
1117 Sumner Blvd., Arcata, CA 95521

[illegible]

Appendix A - Disturbed Area Map

Black Bear Farms, LLC
211-283-007

36' x 20' Processing
Shop:
720 sq. ft.

3,500-gal Water
Tank and Solar
Panel:
100 sq. ft.

8' x 15' Storage Shed:
120 sq. ft.

(2) 1,550-gal Water Tanks and
(1) 2,500-gal Water Tank:
200 sq. ft.

60,000-gal Steel
Water Tank:
1,400 sq. ft.

Cultivation Area:
10,000 sq. ft.

Two 12' x 48' Storage
Structures:
1,150 sq. ft.

Google Earth



700 ft

Year _____

[illegible]

Appendix D:

FERTILIZER, PESTICIDE, AND HERBICIDE PRODUCT RECORDS

*Gallons or pounds applied to cultivation each month

*Indicate whether product is Liquid or Dry

Year: _____

[illegible]

Appendix E: Monthly BPTC Monitoring and Maintenance Records

Monitoring Data Sheet for SWRCB Cannabis Regulatory Program (BPTC Effectiveness Monitoring)

Inspector(s): _____ Date: _____

Owner: _____ APN: _____

Inspection Period (Circle) < Oct 15, < Dec 15, 0.5 in/day or 1 in/7 days

Other: _____

Map Point	BPTC	*Condition: G/M/R	Comment

* G - Good Condition (working as designed), M - Maintenance (needs maintenance to work properly), R - Replacement (needs to be reconstructed)

Map Point	BPTC	*Condition: G/M/R	Comment

* G – Good Condition (working as designed), M – Maintenance (needs maintenance to work properly), R – Replacement (needs to be reconstructed)

Site Management Plan for Emerald City Cannabis, LLC
 In fulfillment of the SWRCB General Waste Discharge Requirements and Waiver of Waste Discharge
 Requirements for Discharges of Waste Associated with Cultivation Activities
 Order WQ 2017-0023-DWQ & NCRWQCB Order No. 2015-0023