

**ATTACHMENT 1A**

**Cultivation and Operations Plan**

Enchanted Springs Cultivation and Operations Plan for China Creek Parcel APN# 524-016-005

This parcel is zoned TPZ but represent an example of the complimentary nature of cannabis and TPZ in combination responsible forestry practices.

The site has been in existence since prior to January 1, 2016.

Site has access to well water. The site uses drip irrigation and supplemental hoses to keep watering as controlled as possible. Meters are used. With minimal watering a 43000 square foot garden can thrive on as little as 200000 gallons of water for the year, but could consume as much as 10 times that amount depending on the growing medium and the gardener.

This site is on a ridge top and all waters flow downhill and away from the cultivation area. Swales will be used to make sure runoff is dealt with responsibly. Roads are out sloped and seasonal measures are taken, such as digging ditches to make sure runoff is directed off of the road way, to control runoff and to ensure proper drainage of rain water.

We have planted the property with Sequoia Gigantea and Port Orford Cedar and other conifers. We regularly clear brush and dead trees to protect the property from fire. We have ditched the winter water that comes off the hillside into the natural slope of the land and down the hillside in a responsible manner which protects the road and graded flat. As in all of our cultivation sites we use Regenerative Organic Agriculture which includes such practices as cover crops, mulching, thermophilic composting, vermicompost to provide beneficial micro biological life and keeping a wide variety of perennial macro life as well, in order to disturb as little of the existing ecosystem as possible and actually add to it in a positive way. We also propagate natural species such as elderberry, huckleberry, wild strawberries, wild raspberries, native grasses, clover, and different varieties of edible mushroom that thrive on freshly fallen tan oak and provide beneficial fungi back into the surrounding area.

Fertilizers are kept in their respective packaging and also stored inside dry wooden crates in a covered area. All fertilizers are organic and no chemical pesticides or other regulated products are used. The garden is Clean Green Certified but will still be registered with the Department of Pesticide Regulation as a precaution. 9000 Watt Generator on covered platform.

Cultivation sites are two areas of approximate equal size totaling 43000 square feet of outdoor cultivation.

January- Checking over equipment, making necessary repairs, Spreading and maintaining cover crops, spreading natural grass seed, spreading mulch, compost, and hay, spraying property with beneficial microbial life, planting companion winter crops.

February- Starting seed starts in greenhouse, preparing holes, continue spreading compost, spraying property with beneficial microbial life, planting companion plants, set watering schedule for starts. Running generator minimally, using captured rainwater.

March- Transplanting and weeding out plants, taking cuttings, starting seeds, preparing holes, spreading compost and organic fertilizer, spraying property with beneficial microbial life, planting companion plants. Running generator three days a week for 3 hours a day.

April- Transplanting and weeding out plants, taking cuttings, starting seeds, preparing holes, spreading

compost and organic fertilizer spraying property with beneficial microbial life, planting companion plants, starting to move plants into their final holes. Running generator three days a week for 3 hours a day.

May- Transplanting and weeding out plants, preparing holes, spreading compost and organic fertilizer spraying property with beneficial microbial life, planting companion plants, move plants into their final holes. Running generator three days a week for 3 hours a day.

June- Transplanting and weeding out plants, preparing holes, spreading compost and organic fertilizer spraying property with beneficial microbial life, planting companion plants, finish moving plants into their final holes, set watering and feeding schedule for garden. Running generator three to four days a week for 3 hours a day.

July- Keep to watering and feeding schedule, address blow down and dead trees on property that occurred over the winter; buck up available firewood and slash the rest for composting or for burning the next winter, propagate mushrooms in the forest and maintain vegetable gardens in the cultivation areas. Running generator three to four days a week for 3 hours a day.

August- Keep to watering and feeding schedule, address blow down and dead trees on property that occurred over the winter for forest fire prevention, buck up available firewood and slash the rest for composting or for burning in winter. Running generator three to four days a week for 3 hours a day.

September- Prepare for harvest, prepare tools and supplies needed for harvest, organize with trimming company who can also provide workers to help with harvest if extra help is needed, prepare sterile environments for drying and processing. Running generator three to seven days a week for 3-18+ hours a day.

October- Harvest product in stages, get all product dried, organized, properly stored, prepared to be processed, and weighed. Running generator seven days a week for 8-18+ hours a day.

November- Harvest product in stages, get all product dried, organized, properly stored, prepared to be processed, and weighed. Have trimming company come in and process product, and package in bulk packaging, clean up any accumulated debris from cultivation activity. Running generators seven days a week 8+ hours a day until the middle of the month.

December- Clean up any accumulated debris from cultivation activity. Propagate mushrooms in the forest and maintain vegetable gardens in the cultivation areas, reforest roadside areas and slopes with cedar and redwood, spreading grass seed, mulch and cover crops.

Security Plan will include high resolution, night vision, wireless, cameras with motion activation during off business hours and alarms that go straight to multiple cell phones as well as a central location, motion alarms and motion spotlights. There will be alarms on all possible entrances to the cultivation area and the processing facility. Security may also be provided by a local provider.

Enchanted Springs Plot Plan Attachment for China Creek Parcel APN# 524-016-005

Owner: New River Timber Inc.  
Applicant: Enchanted Springs

All structures, cultivation sites, and water storage sties were in place prior to January 1<sup>st</sup> 2016. Some outlying cultivation areas will be consolidated to the main two areas.

Exempt Structure was constructed 5/2014 and has been used for drying and processing. Dimensions: 8X12x 13.5 ft tall (<120 interior square feet)

Water Storage: Tanks include 2 12500 gallon above ground swimming pools and 3 1500 gallon tanks for a total of 29500 gallons;  
construction date: 10/2015.

No schools, school bus stops, places of worship, public parks, or Tribal Cultural Resources within 600 ft.

No residences within 300 ft.



Enchanted Springs Cultivation and Operations Plan for China Creek  
Parcel APN# 524-016-005

This application is for 34,500 ft<sup>2</sup> of outdoor cultivation, as verified by Humboldt County Planning and building as preexisting through satellite imagery. This parcel is zoned TPZ but represent an example of the complimentary nature of cannabis and TPZ in combination responsible forestry practices.

The cultivation has been in existence since prior to January 1, 2016.

**Description of Irrigation Water Use**

All irrigation water is sourced from a hydrologically disconnected, permitted groundwater well. The site uses drip irrigation and supplemental hoses to keep watering as controlled as possible. Meters are used.

Water Usage Break Down: Annually 350,000 gallons approximately. Monthly: January: 0 gallons; February: 0 gallons; March: 0 gallons; April: 38,889 gallons; May: 44,074 gallons; June: 51,852 gallons; July: 59,630 gallons, August: 62,222 gallons; September: 57,037 gallons; October: 36,296 gallons, November: 0; December: 0

We have 8 2,500-gallon water tanks, and two 10,000-gallon swimming pools. They are labeled on the map marked "Water Storage".

**Description of Site Drainage, Including Runoff and Erosion Control Measures**

This site is on a ridge top and all waters flow downhill and away from the cultivation area. Swales will be used to make sure runoff is dealt with responsibly. Roads are out sloped, and seasonal measures are taken, such as digging ditches to make sure runoff is directed off of the roadway, to control runoff and to ensure proper drainage of rainwater.

**Detail of Measures Taken to Ensure Protection of Watershed and Nearby Habitat**

We have planted the property with Sequoia Gigantea and Port Orford Cedar and other conifers. We regularly clear brush and dead trees to protect the property from fire. We have ditched the winter water that comes off the hillside into the natural slope of the land and down the hillside in a responsible manner which protects the road and graded flat As in all of our cultivation sites we use Regenerative Organic Agriculture which includes such practices as cover crops, mulching, thermophilic composting, vermicompost to provide beneficial micro biological life and keeping a wide variety of perennial macro life as well, in order to disturb as little of the existing ecosystem as possible and actually add to it in a positive way. We also propagate natural species such as elderberry, huckleberry, wild strawberries, wild raspberries, native grasses, clover, and different varieties of edible mushroom that thrive on freshly fallen tan oak and provide beneficial fungi back into the surrounding area.

We pride ourselves on responsible land management. We have planted literally thousands of trees on the property over the course of the last few decades. We go above and beyond on normal restocking requirements for timberland. We have used the planting of trees to stabilize ground and make use of logging landings on the property which are exempt from stocking requirements and are allowed to remain open as a base of operations for restocking and taking care of the land. This is also the case for roads in order to get to the base of operations. All of the cultivation sites are located on old logging landings so as to not interfere with the forest in any way. Any trees that have ever been removed from the property were dead or sick and have always been quickly restocked with at least three more trees. This includes when we lose hardwoods, they are usually replaced by cedar or sequoia gigantea if they are along the road.

Gigantea are fire resistant after a certain age and we have been working on a "fireline" along the road all the way to Friday Ridge Road. We use no chemical pesticides or fertilizers and are Clean Green Certified which is highly regarded in the cannabis industry as an organic standard. In fact, there are many things that are allowed under the "organic standard" that I would never use. We have created habitat for so many types of animals, plants and fungus that glossing over them all doesn't do it justice but here goes, deer, bear, owl, wood rats, lizards, turtles, ducks, pollinators, newts, salamanders, martins, and the list goes on. Since studying in college and keeping up with the recent additions to the Farm Bill I have taken an approach of forest farming without introducing anything into the environment but only trying to propagate and encourage the growth of what already seems to be doing well. Native grasses and trees, edible mushrooms and herbs, berries and acorns have all been in great abundance on the property and by encouraging their success you can really see the health of the forest improve and all of the forest come to life because of it.

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

Fertilizers are kept in their respective packaging and stored inside dry wooden crates in a covered area. All fertilizers are organic, and no chemical pesticides or other regulated products are used. The garden is Clean Green Certified but will still be registered with the Department of Pesticide Regulation as a precaution. 15k Watt Generator on covered platform.

Soil will be reused and added to and amended every year. We have cultivated most of our own soil through composting. I have used an intensive thermophilic composting method to create over 1000 yards of custom compost using local green waste from the green waste collector.

### **Description of Cultivation Activities**

Cultivation sites are three areas, CA1 20,750 ft<sup>2</sup>; CA2 8,250 ft<sup>2</sup>; CA3 5,500 ft<sup>2</sup>; totaling 34,500 square feet of outdoor cultivation. An onsite nursery is also used, with both greenhouse and outdoor components not in excess of 10% of the cultivation area.

### **Schedule of Activities**

January- Checking over equipment, making necessary repairs, spreading, and maintaining cover crops, spreading natural grass seed, spreading mulch, compost, and hay, spraying property with beneficial microbial life, planting companion winter crops.

February- Starting seed starts in greenhouse, preparing holes, continue spreading compost, spraying property with beneficial microbial life, planting companion plants, set watering schedule for starts. Running generator minimally, using captured rainwater.

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### **Security Plan**

Security Plan will include high resolution, night vision, wireless, cameras with motion activation during off business hours and alarms that go straight to multiple cell phones as well as a central location, motion alarms and motion spotlights. There will be alarms on all possible entrances to the cultivation area and the processing facility. Security may also be provided by a local provider.

### **Electricity Source**

Generator is a 15kw diesel model with plans to convert to solar when finances allow.

### **Sanitation**

Portable toilets (serviced by sewage hauling professionals) will be installed and maintained until a building with an ADA bathroom can be constructed for permanent use.

### **Processing**

Processing will occur offsite by a licensed third party until finances allow for a commercial building with an ADA bathroom to be constructed on the site, after which harvested product will be processed on site.

Enchanted Springs Site Characteristics for China Creek Parcel APN# 524-016-005

Owner: New River Timber Inc.

Applicant: Enchanted Springs

The landowner controls 50 ft. on either side of Forest Route 6n13 with a FERTA easement.

Setbacks: The western most garden is 253 ft. from the northern edge of the property and 175 ft from the watercourse to the west on the property. The eastern most garden is 294 ft. from the eastern edge of the property and is 244 ft from the watercourse to the south.

All Graded Flats are existing landings created at the time of the last timber harvest

All structures, cultivation sites, and water storage sites were in place prior to January 1st, 2016. Some outlying cultivation areas will be consolidated to the main two areas.

Exempt Structure was constructed 5/2014 and has been used for drying and processing. Dimensions: 56 ft by 21 ft and 13.5 ft tall (<120 interior square feet)

There is a cabin (domestic use) onsite with no nexus to the cannabis facility. Employees do not live on site.

A proposed commercial building will serve as a trimming location with an ADA accessible bathroom. Proposed Building 30' W x 40' L x 13' H not currently constructed.

Water Storage A: 8x 2500-gallon tank; installed June 2012, Water Storage B: 2x 10,000- gallon swimming pools.

No schools, school bus stops, places of worship, public parks, or Tribal Cultural Resources within 600 ft.

No residences within 300 ft.