

# MILLER/KNOX - MK001

## FUELS MANAGEMENT PRESCRIPTION

### SITE DESCRIPTION AND LOCATION:

This is a six acre site neighboring Crest Avenue in Point Richmond and above the Dornan trail along the service road leading to the top on the hill (Nicholl Knob) in Miller Knox Regional Park. The vegetation is coastal prairie non-native grassland coastal scrub, pine, and oak woodland. Access is from Crest Avenue through a fire gate.

### VEGETATION MANAGEMENT GOALS:

*Same types as currently there with increasing proportion of oak-bay woodland and grass, less scrub and pine. Grass with scattered shrubs on south aspect of hillside, scattered north coastal scrub on north aspect of hillside. Manage area to stop pine seeding growth. (from the Wildfire Hazard Reduction and Resource Management Plan).*

### FUELS MANAGEMENT OBJECTIVES:

- 1 – Reduce flame lengths by reducing ladder fuels and selectively thinning.
- 2 – Reduce fuel loading and intensity of fire by thinning out tree stands.
- 3 – Maintain previously treated areas.

### FUELS TREATMENT PRESCRIPTION:

#### Initial Treatment:

- Thin pine tree stands to increase spacing between residual trees and slow the rate of pine regeneration.
- Heavily thin or completely remove eucalyptus, especially on the northwest end of the treatment area.
- Reduce shrub volume and dead material.
- Though not necessarily posing a significant fuels management problem, hazardous trees on the site should be assessed by park staff and treated appropriately through the District's hazardous tree program.
- Dispose of cut woody material by piling/burning, chipping on site to a depth not to exceed an average of 3", or removing cut material off site.
- Use herbicide stump treatment on eucalyptus and brush, as recommended by the district's Integrated Pest Manager.
- Use goat grazing, mowing, and weed-eating to reduce flashy fuels such as grass and thistle.

#### Follow-up/Maintenance

YEAR	FUELS TREATMENT
01	Weed-eating or goat grazing annual grasses, remove ladder fuels, burn piles.
02	Weed-eating or goat grazing annual grasses, remove ladder fuels, burn piles.
03	Weed-eating or goat grazing annual grasses, remove ladder fuels, burn piles.
04-30	Goat grazing annual grasses, reduce fuel height.

**RESOURCE OBJECTIVES AND CONSIDERATIONS:**

General

- Avoid bird nests at all times during treatment. If treatment will occur during nesting season, February 1 – August 31, Stewardship will conduct a pre-work nesting survey within 15 days of start of work and flag any identified nests. Work conducted from September 1 to January 31 does not require a prework nesting survey.
- Identify and flag dusky-footed woodrat nests during pretreatment assessments and/or surveys. Any identified nests will have a buffer zone and will be avoided during treatment, as described by the current protocol developed by Stewardship.
- Remove target tree species in a manner that retains native oak and bay trees.
- Conduct all operations to avoid unacceptable damage to boles, roots, and crowns of residual trees and vegetation.
- Throughout fuel treatment area where steep slopes exist with specific soil types and/or near water ways where there will be erosion concerns:
  - Install erosion control measures if needed in areas where duff has been removed.
  - If more than one acre of disturbance will occur during the treatment, a SWPPP is required.
- Trees will be removed from the site or chipped and left onsite. If left onsite, the wood chips generated would be left at a depth of four to six inches, with an aerial cover of no more than 20 percent of the project site, and no more than 10 percent of the site if left on roadways and landings.
- Stewardship will conduct a record review of cultural resources via the GIS Cultural Resources Atlas and/or the Cultural Services Coordinator prior to treatment. Any cultural resources will be flagged for avoidance.

**MONITORING:**

Resource monitoring results will be documented by Stewardship staff in the post-work survey data sheet.

**PRESCRIPTION PREPARED BY:**

Brad Gallup  
Fire Representative, EBRPD

  
Signature

7/19/18  
Date

**REVIEW AND APPROVAL:**

This prescription meets the District's standards for fuels management, natural resource protection and achievement of Best Management Practices according to the Wildfire Hazard Reduction and Resource Management Plan and is consistent with the mitigation measures contained in the EIR:

AILEEN THENE  
Fire Chief, EBRPD

  
Signature

7/23/2018  
Date

MATTHEW GRAUL  
Chief of Stewardship, EBRPD

  
Signature

8/8/2018  
Date

1 inch = 117 feet

# EAST BAY REGIONAL PARK DISTRICT WHA-MK001

RTA  
EBRPD

