

MILLER/KNOX - MK005

FUELS MANAGEMENT PRESCRIPTION

SITE DESCRIPTION AND LOCATION:

This is a ten acre site straddling the Crest Trail and the West Ridge Trail within Miller Knox Regional Park. The vegetation is a mix of coastal scrub, grassland, and non-native pine. Access is from Canal Boulevard.

VEGETATION MANAGEMENT GOALS:

Scattered scrub and grass within 50 feet of road. No pines within 40 feet of ridgetop. Lower on north-facing slope, north coastal scrub on north aspect, incipient oak-bay woodland, emerging pine stand. (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 pine stands and heavier brush
- 3 – Maintain previously treated areas.

FUELS TREATMENT PRESCRIPTION:

Initial Treatment:

- Thin pine or other non-native tree stands to increase spacing between residual trees.
- 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 lopping/scattering or piling/burning.
- 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 | Reduce ladder fuels, lop and scatter or burn piles. |
| 02 | Reduce ladder fuels, lop and scatter or burn piles |
| 03 | Reduce ladder fuels, lop and scatter or burn piles |
| 04-30 | Maintain site using hand labor. |

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.

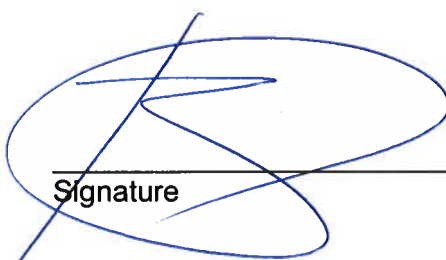
- Identify and flag dusky-footed woodrat nests during pretreatment assessments and/or surveys. Any identified nests will have a buffer zone and will be avoided during treatment, as described by the current protocol developed by Stewardship.
- Remove target tree species in a manner that retains native 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

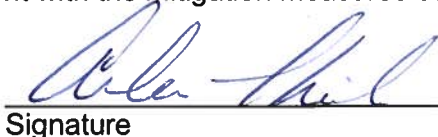

Signature

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:

Alice Thiele
Fire Chief, EBRPD


Signature

7/23/2018
Date

MATTHEW GRAUL
Chief of Stewardship, EBRPD

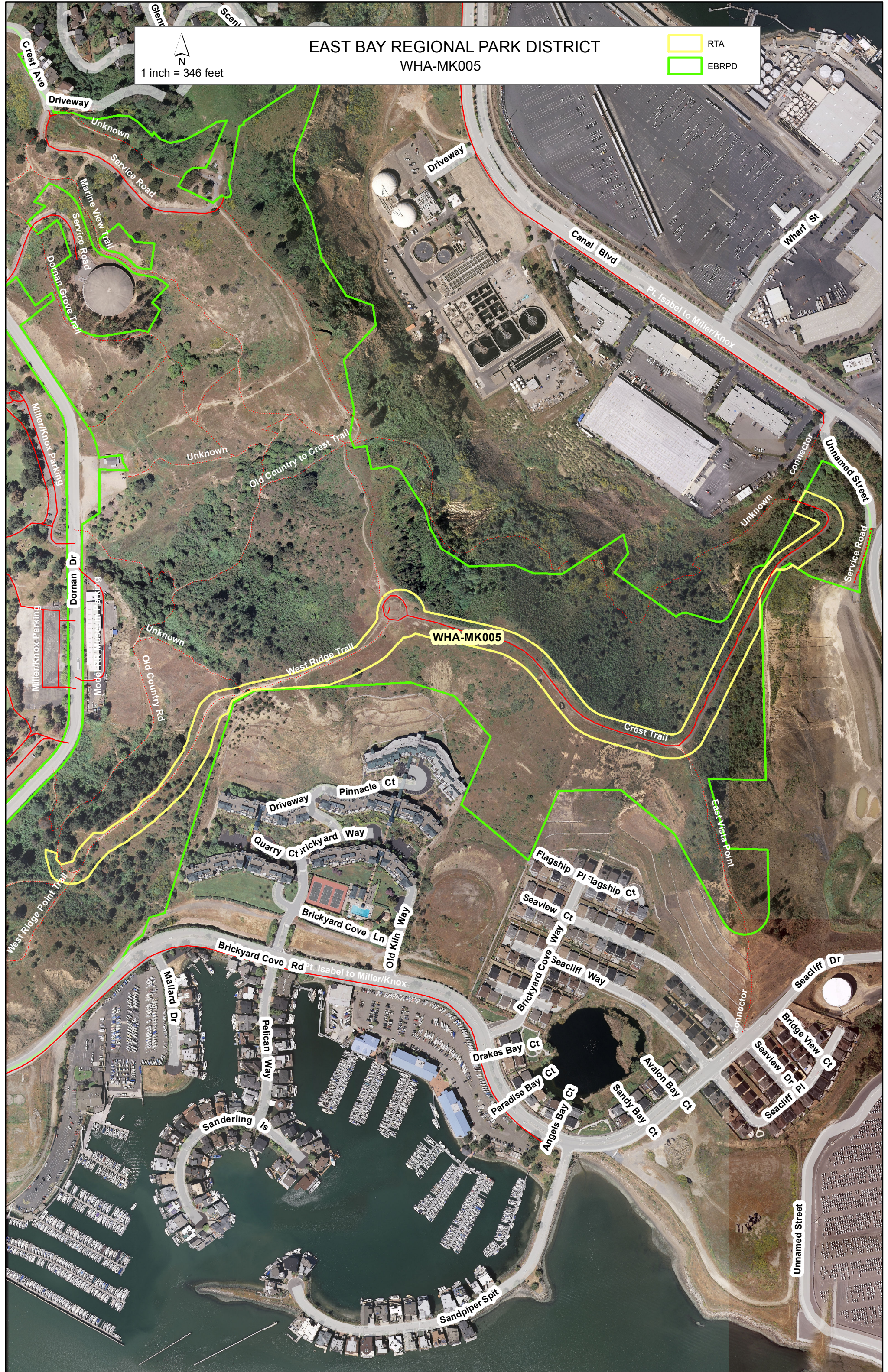

Signature

8/8/2018
Date

1 inch = 346 feet

EAST BAY REGIONAL PARK DISTRICT WHA-MK005

RTA
EBRPD



Crest Ave
Glenn
Scenic
Driveway
Unknown
Service Road
Marine View Trail
Service Road
Doman Grove Trail
Miller/Knox Parking
Doman Dr
Miller/Knox Parking
Model
Old County Rd
Unknown
West Ridge Trail
West Ridge Point Trail
Pinnacle Ct
Driveway
Quarry Ct
Brickyard Way
Brickyard Cove Ln
Old Kiln Way
Brickyard Cove Rd
Pt. Isabel to Miller/Knox
Ward Dr
Pelican Way
Sanderling Is
Sandpiper Spit

Unknown
Old Country to Crest Trail
Unknown
West Ridge Trail
Crest Trail
Pinnacle Ct
Driveway
Quarry Ct
Brickyard Way
Brickyard Cove Ln
Old Kiln Way
Brickyard Cove Rd
Pt. Isabel to Miller/Knox
Ward Dr
Pelican Way
Sanderling Is
Sandpiper Spit

Wharf St
Canal Blvd
Pt. Isabel to Miller/Knox
Unknown connector
Unknown
Service Road
Unknown
Crest Trail
East Vista Point
connector
Flagship Pt. Flagship Ct
Seaview Ct
Brickyard Cove Way
Seacliff Way
Drakes Bay Ct
Paradise Bay Ct
Angels Bay Ct
Avalon Bay Ct
Sandy Bay Ct

Wharf St
Canal Blvd
Pt. Isabel to Miller/Knox
Unknown connector
Unknown
Service Road
Unknown
Crest Trail
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connector
Flagship Pt. Flagship Ct
Seaview Ct
Brickyard Cove Way
Seacliff Way
Drakes Bay Ct
Paradise Bay Ct
Angels Bay Ct
Avalon Bay Ct
Sandy Bay Ct
Seacliff Dr
Bridge View Ct
Seaview Dr
Seacliff Pt
Unnamed Street