Agenda Overview

- Welcome and introductions
- Process overview
- Recap of TAC meetings #1 and #2
- Existing conditions
- Analysis and management
- Management plan recommendations
- Public comment
- Summary and next steps
Process Overview/Project Timeline

- January to August 2016: Convene TAC meetings
- September 2016: Publish draft management plan
- October 4 and 15, 2016: Community meetings
- October/November 2016: Publish Initial Study for EIR
- November/December 2016: EIR Scoping Meeting
- Spring 2017: Publish draft EIR
- Spring 2017: Public hearing on recirculated draft EIR
- Spring/Summer 2017: Prepare responses to comments
- Summer 2017: Publish and certify final EIR
- Fall 2017: Begin phased implementation (bird-nesting season from March-August)

Dates are approximate and subject to change.
Recap of TAC Meeting #1

- Mount Sutro Open Space Reserve Management Planning Process
  - Process Timeline
  - TAC Organizing Framework

- Management Plan Goals and Objectives: Defining Success
  - Reserve and Ecosystem Health
  - Visual Design and Aesthetics
  - Public Safety
  - Public Access

- Key assumptions of the plan include:
  - Improves safety of the Reserve and protects lives and structures
  - Addresses hazard reduction and promotes a sustainable ecosystem
  - Includes a replanting strategy to promote biodiversity
  - Utilizes a phased-in approach
Recap of TAC Meeting #2

- Defining Objectives
- Vegetation Management Plan Overview
  - Reserve and ecosystem health
  - Visual design and aesthetics
  - Public safety
  - Public access
- Preliminary Plan Framework
  - Treatment zones
  - Alternative management concepts
UCSF Policies in the Reserve

- **Safety** of people and structures is top priority.

- **Herbicides are not used** in the Reserve.

- **Unnecessary tree work** in the Reserve is **avoided during bird-nesting season** (March to August). A survey for raptor nesting will be done before work is performed in January and February.

- **Commitment to transparency and community planning principles** is UCSF’s promise to the community.

- **Public access** to trail network is maintained and encouraged. UCSF works with the non-profit Sutro Stewards to build and maintain the trail system using volunteers.

- The **beauty of the Reserve will be preserved** and its novel ecosystem maintained as a public resource.
Goals for the Management of the Reserve

The University has four goals for the management of the Reserve and this draft plan:

1. Protect the safety of Reserve users; UCSF students, faculty, staff and patients; neighbors and adjoining campus and residential properties
2. Improve and enhance the health and stability of the ecosystem
3. Enhance the visual design and aesthetic experience
4. Maintain and ensure public access to the Reserve
Management Plan Recommendations

Legend
- Mount Sutro Reserve

Vegetation Type
- Summit
- Type 1
- Type 2
- Type 3
- Type 4

Created by Matt Greene Forestry & Biological Consulting April 25, 2016
### Management Plan Recommendations

#### Forest Inventory

<table>
<thead>
<tr>
<th>Forest Type</th>
<th>Size (acres)</th>
<th>Trees per acre</th>
<th>Basal Area (sq. ft.)</th>
<th>DBH Range (in.)</th>
<th>Dominant Tree Species</th>
<th>Secondary Tree Species</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Live</td>
<td>Standing</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>dead</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>24</td>
<td>270</td>
<td>100</td>
<td>158</td>
<td>2 to &gt;36</td>
<td>Blue gum, blackwood acacia</td>
</tr>
<tr>
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<td>9</td>
<td>45</td>
<td>10</td>
<td>163</td>
<td>14 to 20</td>
<td>Blue gum, Monterey cypress</td>
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<td>3</td>
<td>8</td>
<td>110</td>
<td>10</td>
<td>196</td>
<td>2 to &gt;40</td>
<td>Blue gum, blackwood acacia</td>
</tr>
<tr>
<td>4</td>
<td>18</td>
<td>128</td>
<td>50</td>
<td>152</td>
<td>2 to 34</td>
<td>Blue gum</td>
</tr>
</tbody>
</table>

**Estimated live trees in the Reserve:** 10,500
Management Plan Recommendations

Existing Conditions (key findings)

- Dominant blue gum eucalyptus tree cover is not healthy or regenerating
- Tree density is too high to support healthy canopy
- No evidence that the existing forest will recover on its own
- Tree age distribution is not appropriate
- Common understory plants are healthy

% of Dead Trees in Mount Sutro Tree Counts

- % of Dead Trees in Mount Sutro Tree Counts
- 1999
- 2016
Management Plan Recommendations

Desired future conditions

- Restored eucalyptus canopy
- Healthy, diverse vegetation
- Uneven-aged stands of trees
- 2-3 snags (standing dead trees) per acre
- Inverse J-shaped curve of ideal tree size distribution
- Control of invasive understory vegetation
- Additional native plant restoration areas
Management Plan Recommendations

Plan to achieve desired conditions

- Phased-in approach
- Create growing conditions to support regeneration of the canopy
  - Control competing vegetation
  - Full sun
- Reduce number of trees per acre by removing dead and dying trees
Management Plan Recommendations

Silvicultural treatments

- Perform seed tree treatment to improve individual tree health
- Retain healthy large trees and plant under canopy. Openings 0.5 to 5 acres
- Perform small gap reforestation. Openings ≤ 2.5 acres
- Monitor
- Ensure treatments do not conflict with native plant restoration
Management Plan Recommendations

Phase 1 (initial 5 years)

- **Remove** hazardous trees

- **Treat** four acres in Forest Type 1. Plant blue gum eucalyptus in one section, blue gum and other eucalyptus species in another section.

- **Enhance** restoration and stewardship of native plants

- **Maintain** defensible space

- **Maintain** public access
Management Plan Recommendations

Phase 2 (years 6-10)

- **Remove dead and dying trees** in Forest Types 1, 3 and 4 to desired stand densities.

- **Treat** 10 acres of Forest Type 1. Plant a mix of blue gum eucalyptus and native species.

- **Treat** two acres of Forest Types 2 and 3, and 4 acres of Forest Type 4. Plant a mix of blue gum eucalyptus and native species.
Management Plan Recommendations

Phase 3 (years 11-20)

- **Monitor and assess** success of treatments and adjust accordingly.

- **Remove dead and dying trees** in any remaining untreated acres in Forest Types 1, 3, and 4.

- **Plant** a mix of blue gum eucalyptus and native species in any remaining acres of Forest Types 2, 3, and 4.
TAC Member Feedback and Discussion
Public Comment

*Three minutes per speaker*
Summary and Next Steps