

SF RECREATION & PARK DEPARTMENT ♦ URBAN TRAILS PROGRAM



BERNAL HEIGHTS TRAIL RESTORATION

April 4, 2012

BERNAL HEIGHTS TRAIL RESTORATION

AGENDA

- ◇ WELCOME & INTRODUCTION
- ◇ URBAN TRAILS PROGRAM OVERVIEW
- ◇ TRAIL IMPROVEMENTS OVERVIEW
- ◇ SCHEDULE & NEXT STEPS
- ◇ QUESTIONS & DISCUSSION





PROJECT TEAM

- ◇ Lisa Wayne / SF RPD – Natural Areas
- ◇ Meghan Tiernan / SF RPD – Capital Improvements
- ◇ Koq Pickering / SF DPW – Landscape Architecture
- ◇ Jessica Perez / SF DPW – Landscape Architecture



URBAN TRAILS PROGRAM OVERVIEW

FUNDING & BACKGROUND

- ◇ 2008 CLEAN AND SAFE NEIGHBORHOOD PARKS BOND PROVIDES \$5-MILLION FOR IMPROVEMENTS TO SF PARK TRAILS.
- ◇ PLANNING PROCESS HAS INCLUDED:
 - ◇ Public Meetings and Presentations before the Parks and Recreation Open Space Advisory Committee (PROSAC)
 - ◇ Precedent Research (GGNRA and Bay Ridge Trail)
 - ◇ Park Project Prioritization, Project Scopes, and Cost Estimates
 - ◇ Recreation & Park Commission Presentation and Approval of the Trail Program's Plan
 - ◇ Work with other Park and Stakeholder Organizations



URBAN TRAILS PROGRAM OVERVIEW

PROGRAM VISION AND GOALS:

To connect people and neighborhoods to nature and to make natural areas and trails visible, healthy, and safe.

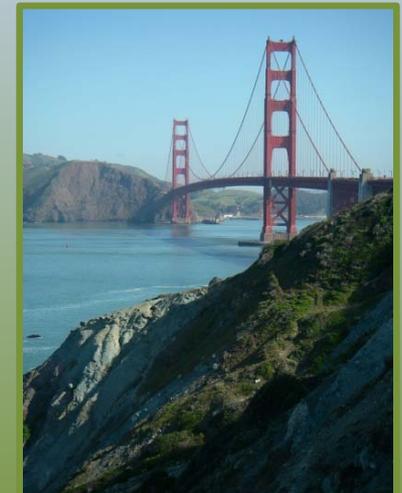
- ◇ ENHANCE AND IMPROVE UNIQUE URBAN TRAIL EXPERIENCES FOR SAN FRANCISCANS TO EXPLORE AND CONNECT TO NATURE IN THE CITY.
- ◇ IMPROVE TRAIL CONNECTIVITY AND NETWORKS WITH OTHER RECREATIONAL OPPORTUNITIES.
- ◇ IMPROVE TRAILS AND RELATED AREAS THAT PROTECT NATURAL RESOURCES AND SENSITIVE HABITATS
- ◇ IMPROVE TRAIL SAFETY
- ◇ DEVELOP A SUSTAINABLE TRAIL SYSTEM THAT LEVERAGES VOLUNTEER EFFORTS AND FUNDING RESOURCES
- ◇ CREATE THE FOUNDATION FOR A ROBUST LONG-TERM URBAN TRAILS PROGRAM



URBAN TRAILS PROGRAM OVERVIEW

PARTNER AND STAKEHOLDER ORGANIZATIONS:

- ◇ RECREATION AND PARK COMMISSION
- ◇ AUDOBON SOCIETY
- ◇ CALIFORNIA NATIVE PLANT SOCIETY
- ◇ LIVABLE CITY
- ◇ NATURE IN THE CITY
- ◇ NEIGHBORHOOD PARKS COUNCIL (NPC)
- ◇ PARK, RECREATION AND OPEN SPACE ADVISORY COMMITTEE (PROSAC)
- ◇ SF PARKS TRUST
- ◇ SF BEAUTIFUL
- ◇ SF TOMORROW
- ◇ SIERRA CLUB
- ◇ TRUST FOR PUBLIC LAND
- ◇ WALK FOR SF



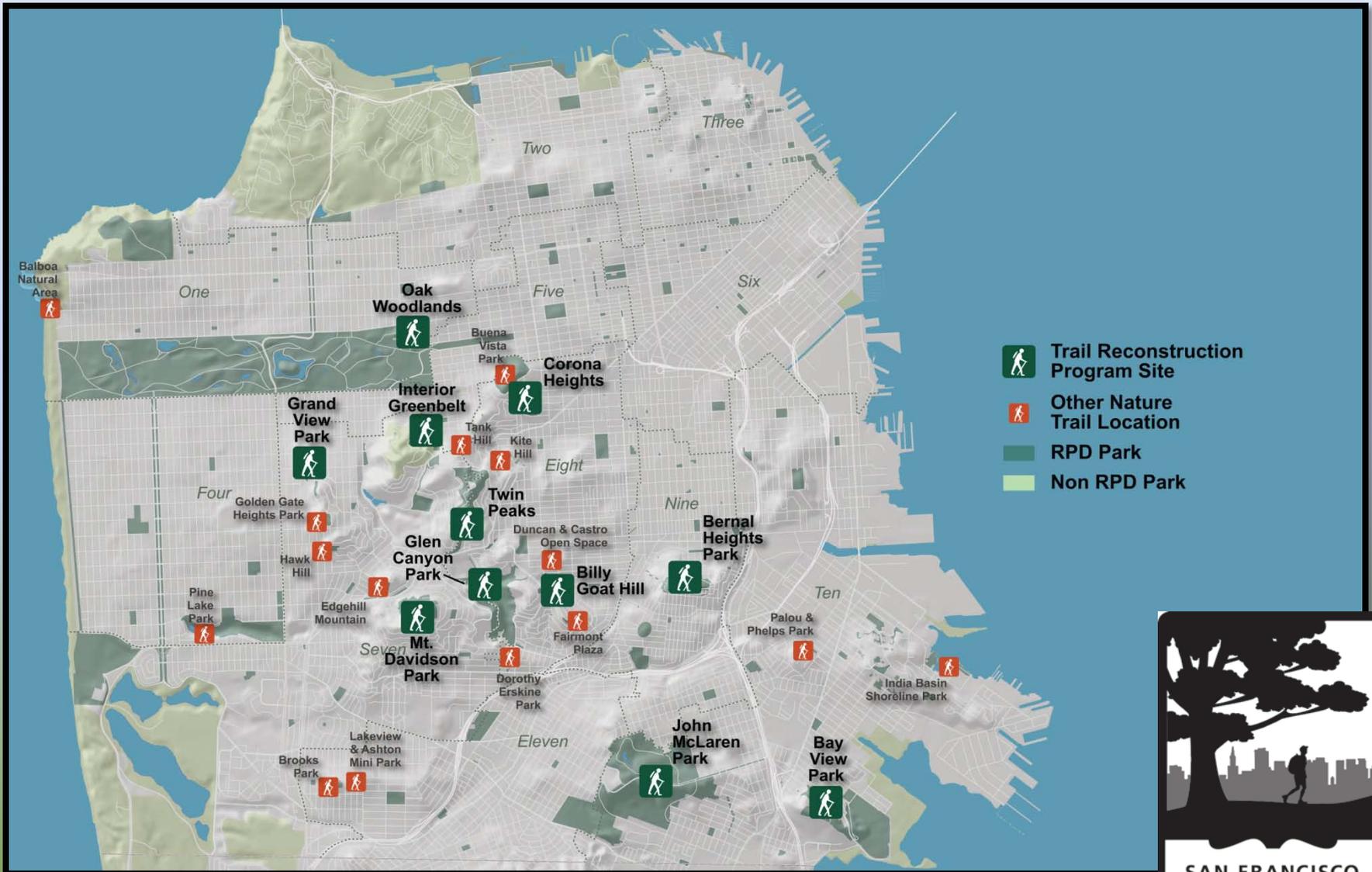
URBAN TRAILS PROGRAM FUNDING



- ◇ 2008 CLEAN AND SAFE NEIGHBORHOOD PARKS BOND PROVIDED \$5-MILLION FOR IMPROVEMENTS TO SF PARK TRAILS.
- ◇ 26 ORIGINAL CANDIDATE PARK SITES IDENTIFIED.
- ◇ 11 PRIORITY SITES WILL RECEIVE FUNDING FOR LIMITED SCOPE PROJECTS: BASIC TRAIL IMPROVEMENTS.
- ◇ RPD IS UNDERTAKING ADDITIONAL FUNDRAISING EFFORTS TO IMPLEMENT MORE COMPLETE IMPROVEMENT SCOPES.
- ◇ RPD IS ALSO UNDERTAKING GRANT WRITING EFFORTS, AS WELL, AS WORKING WITH NON-PROFIT PARTNER ORGANIZATIONS TO HELP LEVERAGE BOND FUNDS.



URBAN TRAILS PROGRAM LOCATIONS



URBAN TRAILS PROGRAM MILESTONES

PHASE 1 (YEAR 1)



GRAND VIEW PARK



BILLY GOAT HILL



CORONA HEIGHTS

PHASE 2 (YEARS 2 AND 3)



GLEN CANYON



OAK WOODLANDS



TWIN PEAKS

PHASE 3 (YEARS 3 AND 4)



BERNAL HEIGHTS PARK



BAY VIEW PARK

PHASE 4 (YEARS 4 AND 5)



MT. DAVIDSON PARK



JOHN MCLAREN PARK



TRAIL IMPROVEMENT EXAMPLES



CREATING SUSTAINABLE AND SAFE TRAILS

TRAIL IMPROVEMENT EXAMPLES



PATH, TRAIL, AND STAIR ENHANCEMENTS

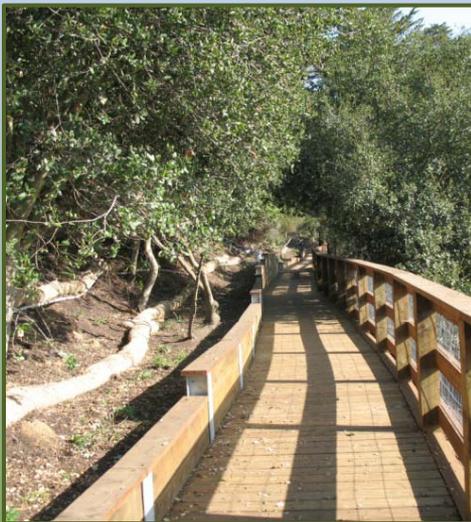
TRAIL IMPROVEMENT EXAMPLES



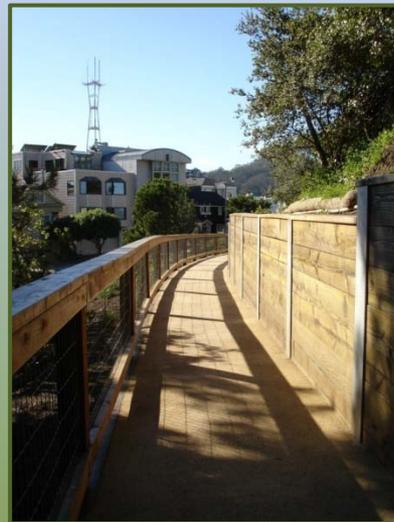
RUSTIC FENCING



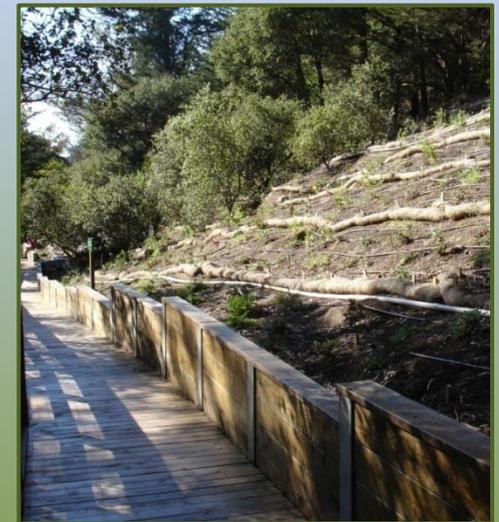
SURFACE IMPROVEMENTS



ACCESSIBLE TRAILS



RETAINING WALLS AND EROSION CONTROL
FOR TRAIL SUSTAINABILITY



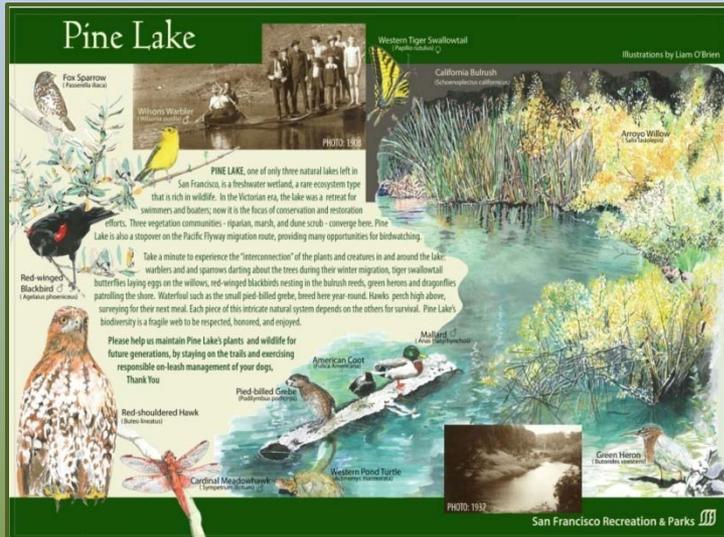
TRAIL SIGNAGE EXAMPLES



DIRECTIONAL SIGN



DIRECTIONAL SIGN



INTERPRETIVE SIGN



WAYFINDING SIGN

TRAIL RESTORATION EXAMPLES



HABITAT PLANTING



HABITAT PLANTING



TRAIL MAINTENANCE



TRAIL MAINTENANCE



BERNAL HEIGHTS TRAIL RESTORATION
EXISTING CONDITIONS

BERNAL HEIGHTS TRAIL RESTORATION



Bernal Heights Existing Trails

EXISTING TRAIL NETWORK

BERNAL HEIGHTS TRAIL RESTORATION

EXISTING SITE CONDITIONS



PASSIVE RECREATION

BERNAL HEIGHTS TRAIL RESTORATION

EXISTING SITE CONDITIONS



ENJOYMENT OF THE VIEWS

BERNAL HEIGHTS TRAIL RESTORATION

EXISTING SITE CONDITIONS



OFF-LEASH DOG WALKING AREA

BERNAL HEIGHTS TRAIL RESTORATION

EXISTING SITE CONDITIONS



MAIN ENTRIES

BERNAL HEIGHTS TRAIL RESTORATION

EXISTING SITE CONDITIONS



UNDEFINED ENTRIES

BERNAL HEIGHTS TRAIL RESTORATION

EXISTING SITE CONDITIONS



ERODED STAIRWAY ENTRY

BERNAL HEIGHTS TRAIL RESTORATION

EXISTING SITE CONDITIONS



ERODED SLOPING ENTRY

BERNAL HEIGHTS TRAIL RESTORATION

EXISTING SITE CONDITIONS



NARROW TRAILS

BERNAL HEIGHTS TRAIL RESTORATION

EXISTING SITE CONDITIONS



CRISS-CROSSING TRAILS

BERNAL HEIGHTS TRAIL RESTORATION

EXISTING SITE CONDITIONS



CRISS-CROSSING TRAILS

BERNAL HEIGHTS TRAIL RESTORATION

EXISTING SITE CONDITIONS



EROSION ALONG TRAILS

BERNAL HEIGHTS TRAIL RESTORATION

EXISTING SITE CONDITIONS



EROSION ALONG TRAILS

BERNAL HEIGHTS TRAIL RESTORATION

EXISTING SITE CONDITIONS



WASHED-OUT TRAIL

BERNAL HEIGHTS TRAIL RESTORATION

EXISTING SITE CONDITIONS



ERODED TRAIL AND STAIRWAY

BERNAL HEIGHTS TRAIL RESTORATION

EXISTING SITE CONDITIONS



ERODED TRAIL AND STAIRWAY

BERNAL HEIGHTS TRAIL RESTORATION

EXISTING SITE CONDITIONS



DENUDED SLOPES

BERNAL HEIGHTS TRAIL RESTORATION

EXISTING SITE CONDITIONS



DENUDED SLOPES

BERNAL HEIGHTS TRAIL RESTORATION

EXISTING SITE CONDITIONS



SEVERE EROSION

BERNAL HEIGHTS TRAIL RESTORATION

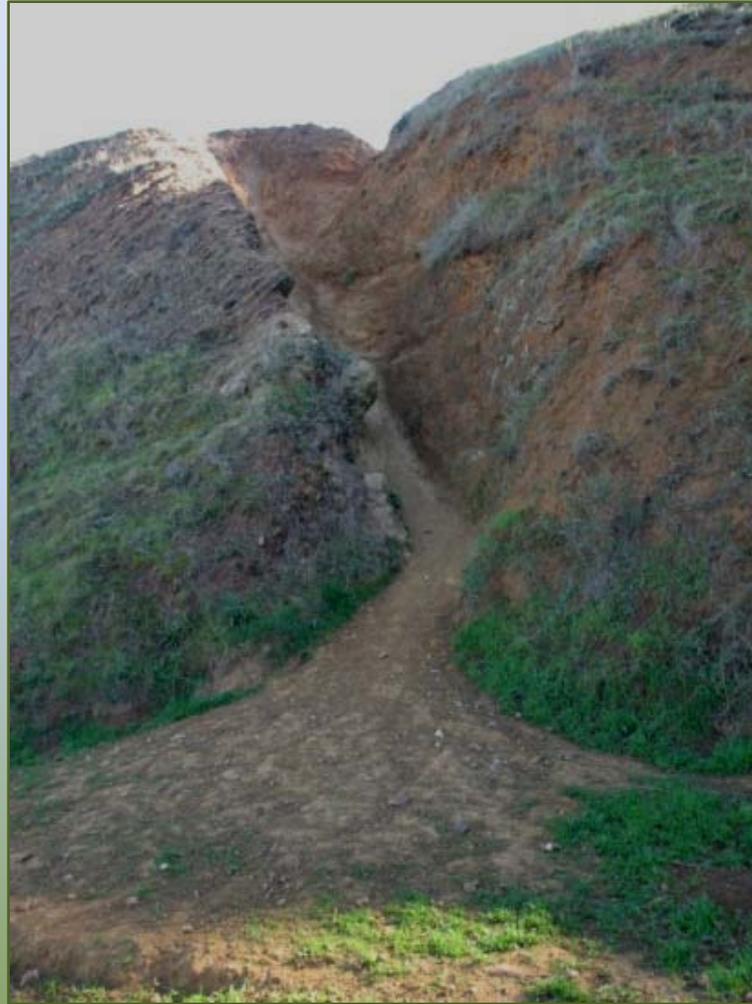
EXISTING SITE CONDITIONS



SEVERE EROSION

BERNAL HEIGHTS TRAIL RESTORATION

EXISTING SITE CONDITIONS



GULLIES AND WASHED-OUT DEBRIS

BERNAL HEIGHTS TRAIL RESTORATION

EXISTING SITE CONDITIONS



WILDLIFE HABITAT AREA

BERNAL HEIGHTS TRAIL RESTORATION

EXISTING SITE CONDITIONS



GREAT HORNED OWL
Bubo virginianus



AMERICAN KESTREL
Falco sparverius

WILDLIFE

BERNAL HEIGHTS TRAIL RESTORATION

EXISTING SITE CONDITIONS



STAR LILY
Ziagadenus fremontii



SHOOTING STAR
Dedecantheon hendersonii

RARE PLANT HABITAT

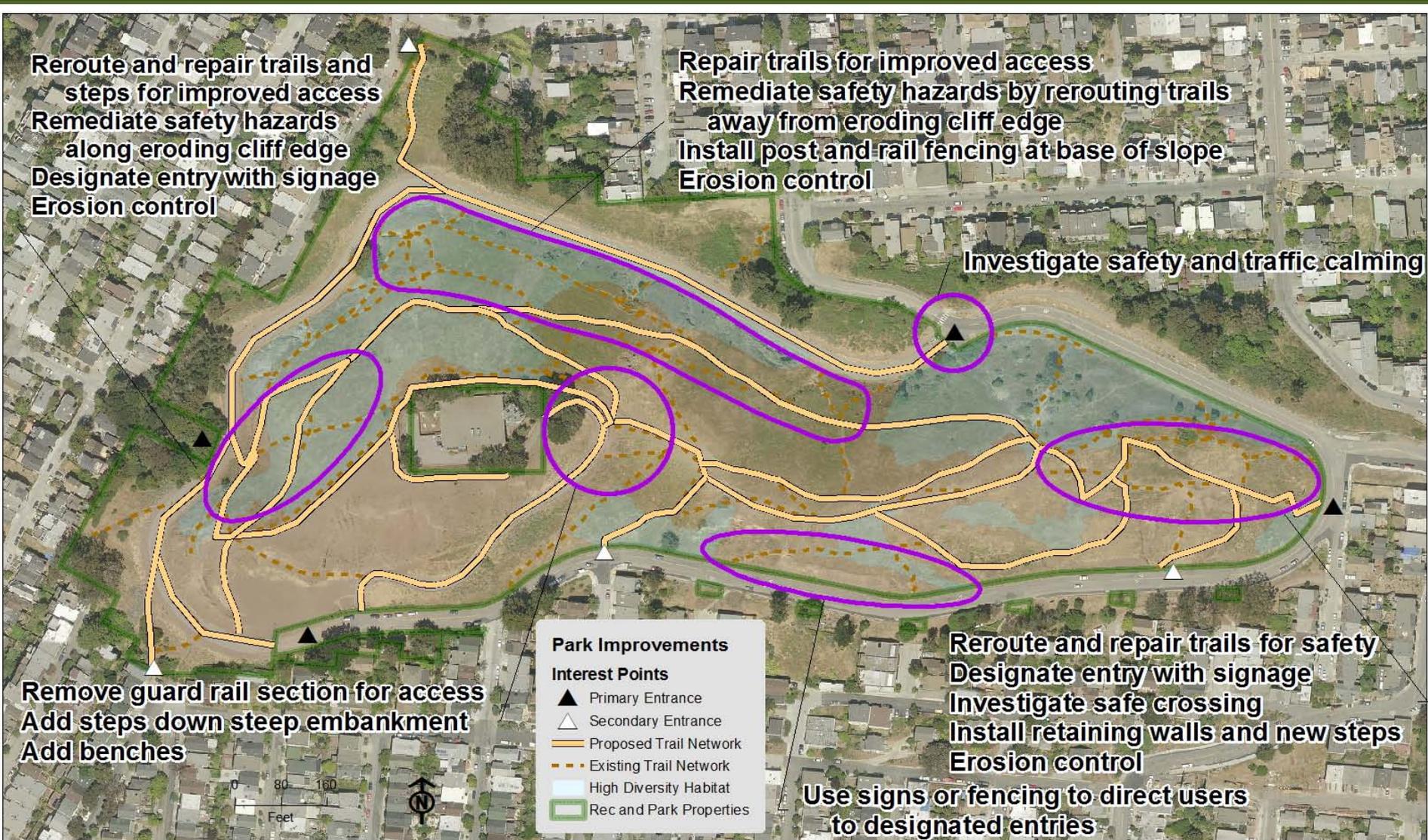
BERNAL HEIGHTS TRAIL RESTORATION

CONCEPTUAL PROJECT GOALS

- ◇ IMPROVE TRAIL LINKAGES AND CONNECTIONS WITH THE NEIGHBORHOOD
- ◇ ADDRESS EROSION TRAILS AND REPAIR/RESTORE ERODED AREAS
- ◇ IMPROVE INFORMAL TRAIL ENTRIES / SIGNAGE
- ◇ CONSOLIDATE REDUNDANT TRAIL ALIGNMENTS
- ◇ ENHANCE HABITAT QUALITY WITH RESTORATION PLANTING AND INVASIVE PLANT CONTROL
- ◇ INCREASE ACCESSIBILITY
- ◇ INCREASE SAFETY



BERNAL HEIGHTS TRAIL RESTORATION CONCEPTUAL IMPROVEMENT PLAN



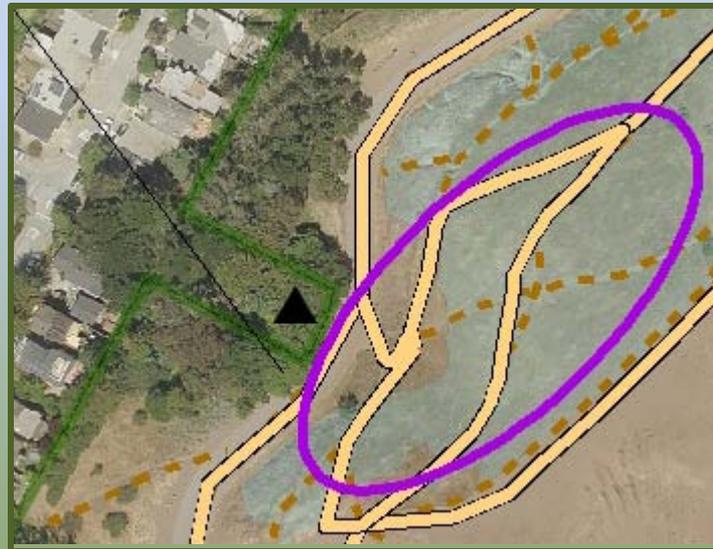
Bernal Hill Concept Plan



BERNAL HEIGHTS TRAIL RESTORATION CONCEPTUAL IMPROVEMENTS AREA ENLARGEMENTS

WEST ENTRY TO TRAIL @ ELSIE STREET:

- ◇ REROUTE AND REPAIR TRAILS AND STEPS FOR IMPROVED ACCESS
- ◇ REMEDIATE SAFETY HAZARDS ALONG ERODING CLIFF EDGE
- ◇ DESIGNATE ENTRY WITH SIGNAGE
- ◇ EROSION CONTROL



Park Improvements

Interest Points

- ▲ Primary Entrance
- △ Secondary Entrance
- Proposed Trail Network
- - - Existing Trail Network
- High Diversity Habitat
- Rec and Park Properties



BERNAL HEIGHTS TRAIL RESTORATION CONCEPTUAL IMPROVEMENTS

AREA ENLARGEMENTS

NORTHERN SLOPE:

- ◇ REPAIR TRAILS FOR IMPROVED ACCESS
- ◇ REMEDIATE SAFETY HAZARDS BY REROUTING TRAILS AWAY FROM ERODING CLIFF EDGE
- ◇ INSTALL POST AND RAIL FENCING AT BASE OF SLOPE
- ◇ EROSION CONTROL



Park Improvements

Interest Points

- ▲ Primary Entrance
- △ Secondary Entrance
- Proposed Trail Network
- - - Existing Trail Network
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- Rec and Park Properties



BERNAL HEIGHTS TRAIL RESTORATION CONCEPTUAL IMPROVEMENTS AREA ENLARGEMENTS

NORTH ENTRY @ BERNAL HEIGHTS BOULEVARD:

- ◇ INVESTIGATE SAFETY AND TRAFFIC CALMING



Park Improvements

Interest Points

- ▲ Primary Entrance
- △ Secondary Entrance
- Proposed Trail Network
- - - Existing Trail Network
- High Diversity Habitat
- Rec and Park Properties



BERNAL HEIGHTS TRAIL RESTORATION CONCEPTUAL IMPROVEMENTS AREA ENLARGEMENTS

SOUTH ENTRY @ BERNAL HEIGHTS BOULEVARD:

- ◇ USE SIGNS OR FENCING TO DIRECT USERS TO DESIGNATED ENTRIES



Park Improvements

Interest Points

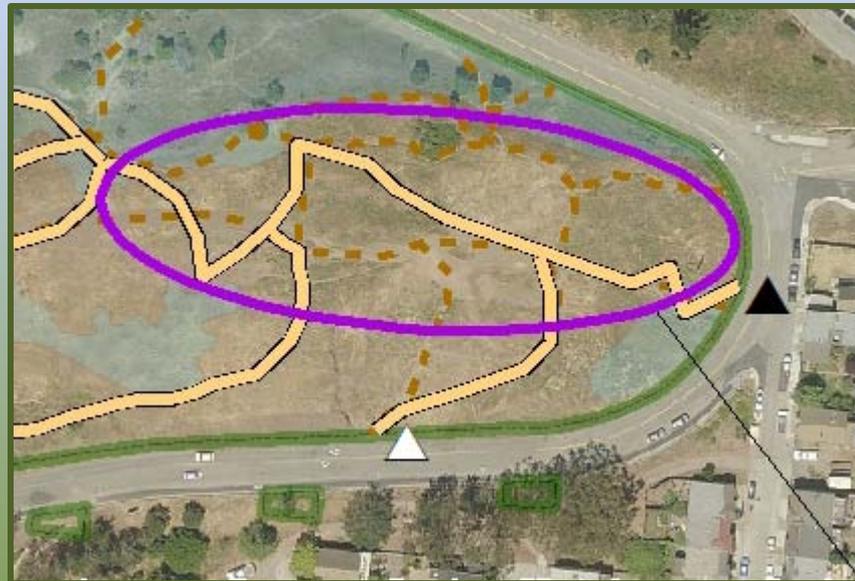
- ▲ Primary Entrance
- △ Secondary Entrance
- Proposed Trail Network
- - - Existing Trail Network
- High Diversity Habitat
- ▭ Rec and Park Properties



BERNAL HEIGHTS TRAIL RESTORATION CONCEPTUAL IMPROVEMENTS AREA ENLARGEMENTS

EAST ENTRY @ BERNAL HEIGHTS BOULEVARD:

- ◇ REROUTE AND REPAIR TRAILS FOR SAFETY
- ◇ DESIGNATE ENTRY WITH SIGNAGE
- ◇ INVESTIGATE SAFE CROSSING
- ◇ INSTALL RETAINING WALLS AND NEW STEPS
- ◇ EROSION CONTROL



Park Improvements

Interest Points

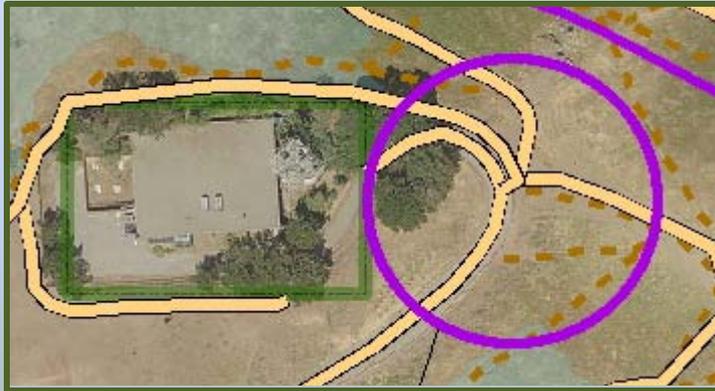
- ▲ Primary Entrance
- △ Secondary Entrance
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BERNAL HEIGHTS TRAIL RESTORATION CONCEPTUAL IMPROVEMENTS

AREA ENLARGEMENTS

SUMMIT:

- ◇ REMOVE GUARD RAIL SECTION FOR ACCESS
- ◇ ADD STEPS DOWN STEEP EMBANKMENT
- ◇ ADD BENCHES



Park Improvements

Interest Points

- ▲ Primary Entrance
- △ Secondary Entrance
- Proposed Trail Network
- - - Existing Trail Network
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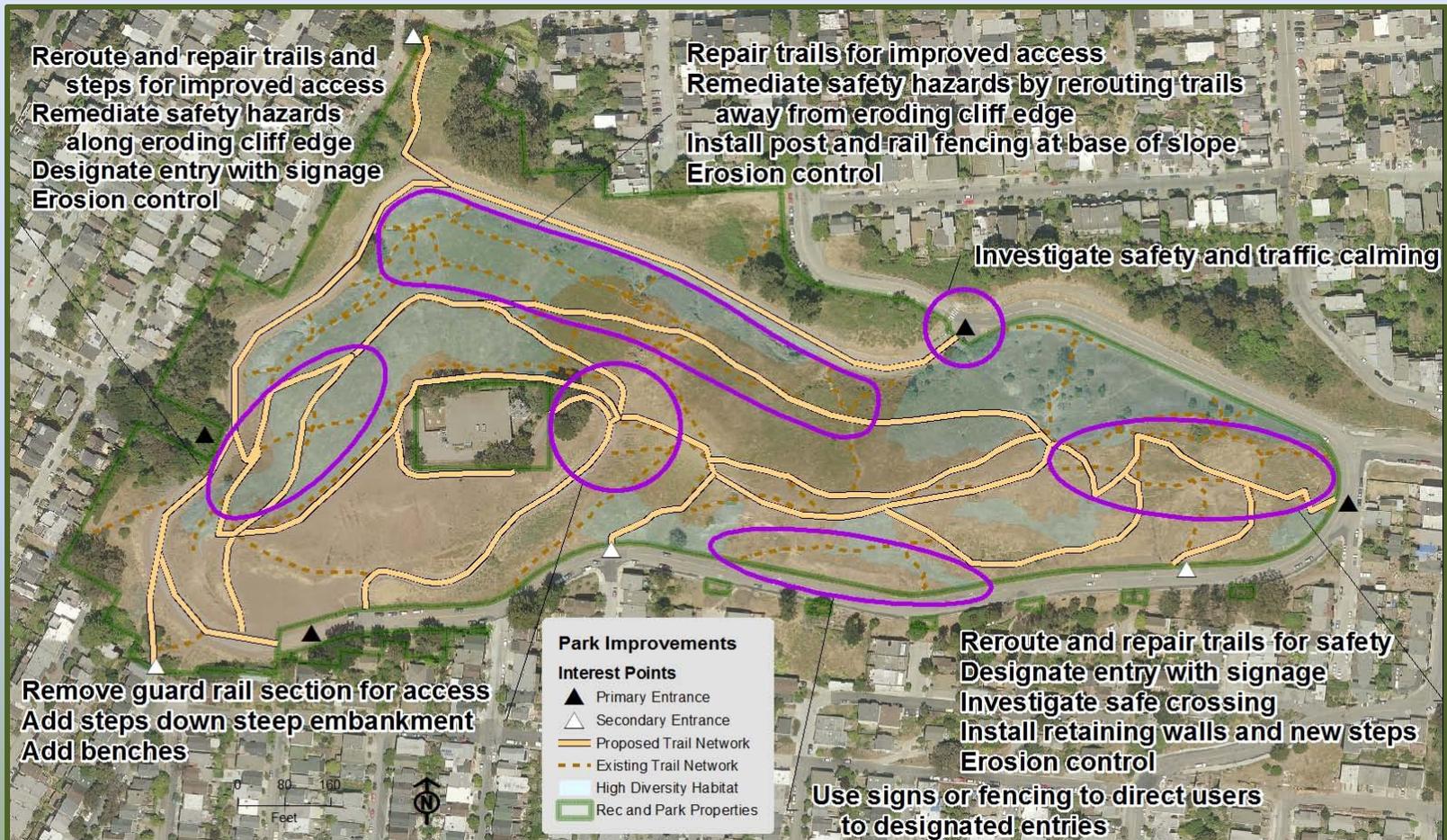


BERNAL HEIGHTS TRAIL RESTORATION COMMUNITY FEEDBACK

TRAIL IMPROVEMENT DISCUSSION

- ◇ CONTEXT FOR IMPROVEMENTS: TRAIL EXPERIENCE, SAFETY, BUDGET, HABITAT PRESERVATION
- ◇ WHAT ARE THE HIGHEST PRIORITIES FOR IMPROVEMENTS?
- ◇ TRAIL ENTRIES
- ◇ TRAIL ALIGNMENT: PREFERRED SEGMENTS AND ROUTE(S)
- ◇ TRAIL CONNECTIONS & CROSSINGS: SAFETY & CONTINUITY

SF RECREATION & PARK DEPARTMENT ♦ URBAN TRAILS PROGRAM



Bernal Hill Concept Plan

BERNAL HEIGHTS TRAIL RESTORATION QUESTIONS & DISCUSSION

BERNAL HEIGHTS TRAIL RESTORATION CONSTRUCTION BUDGET AND SCHEDULE

TOTAL PROJECT BUDGET:

- ◇ \$750,000 CLEAN & SAFE NEIGHBORHOOD PARKS BOND

PROJECT SCHEDULE (TENTATIVE):

- ◇ PLANNING: January – April 2012
 - Community Meeting 3: April 4, 2012 -
- ◇ REC PARK COMMISSION: May (TBD)
- ◇ DESIGN DEVELOPMENT: May – Oct 2012
- ◇ BID/AWARD: November 2012 – February 2013
- ◇ CONSTRUCTION: March – October 2013

URBAN TRAILS PROGRAM NEXT STEPS

- ◇ VOLUNTEER OPPORTUNITIES
- ◇ FUNDRAISING OPPORTUNITIES
- ◇ FUTURE PHASE TRAIL PROJECTS:
 - ◇ BAYVIEW PARK



URBAN TRAILS PROGRAM CONTACT INFORMATION



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THANK YOU