



TWIN PEAKS TRAIL IMPROVEMENTS

November 2, 2011



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
- ◇ Koa Pickering / 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.

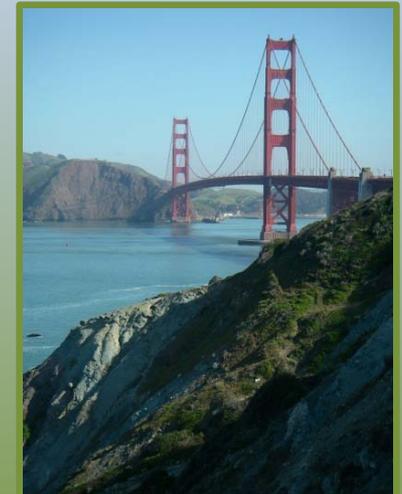
- ◇ ENHANCE AND IMPROVE UNIQUE URBAN TRAIL EXPERIENCES FOR SAN FRANCISCANS TO EXPLORE AND CONNECT TO NATURE IN THE CITY.
- ◇ IMPROVE TRAIL CONNECTIVITY AND NETWORKS WITH OTHER RECREATIONAL OPPORTUNITIES.
- ◇ IMPROVE TRAILS AND RELATED AREAS THAT PROTECT NATURAL RESOURCES AND SENSITIVE HABITATS
- ◇ IMPROVE 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



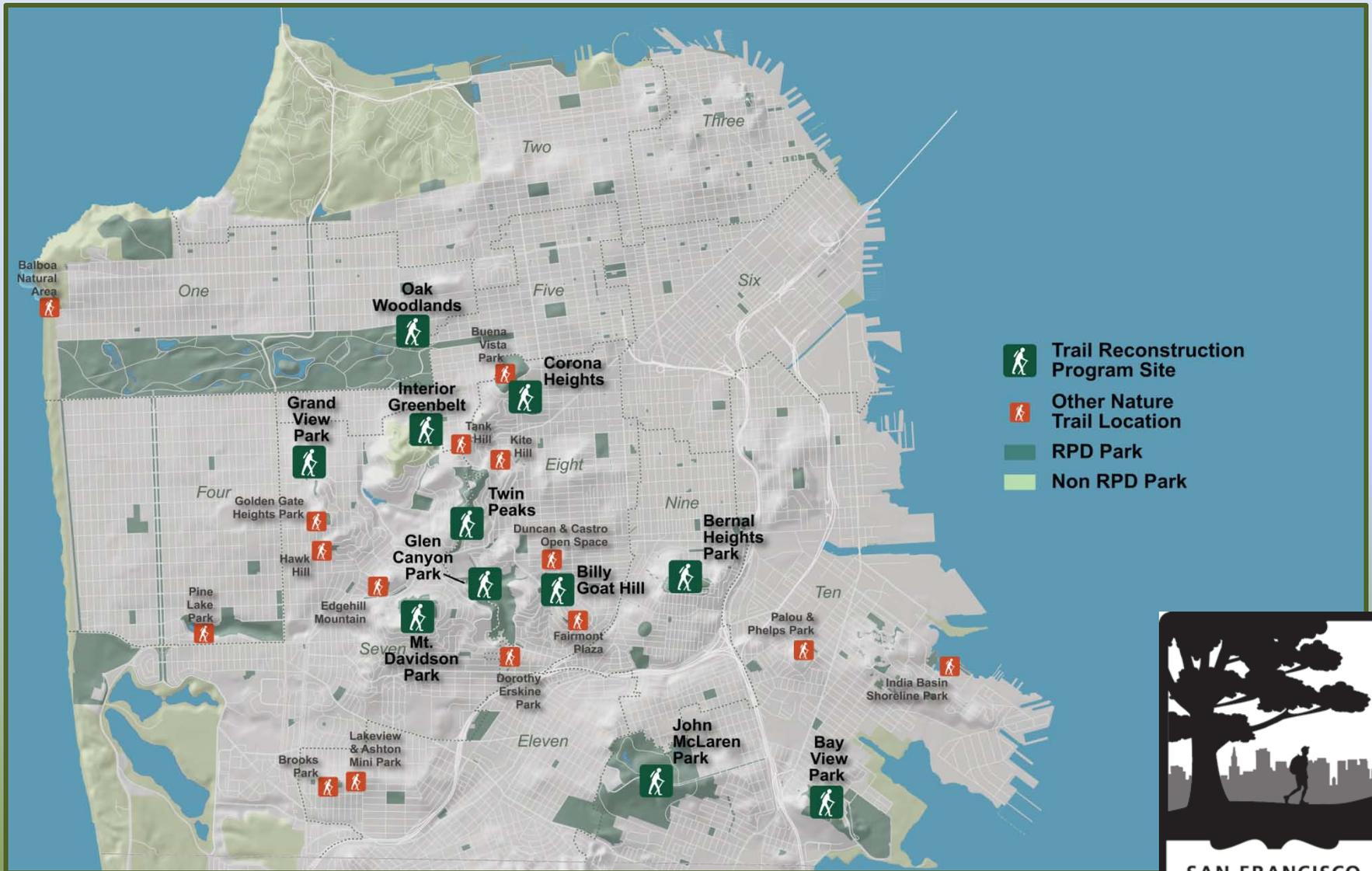
URBAN TRAILS PROGRAM FUNDING



- ◇ 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



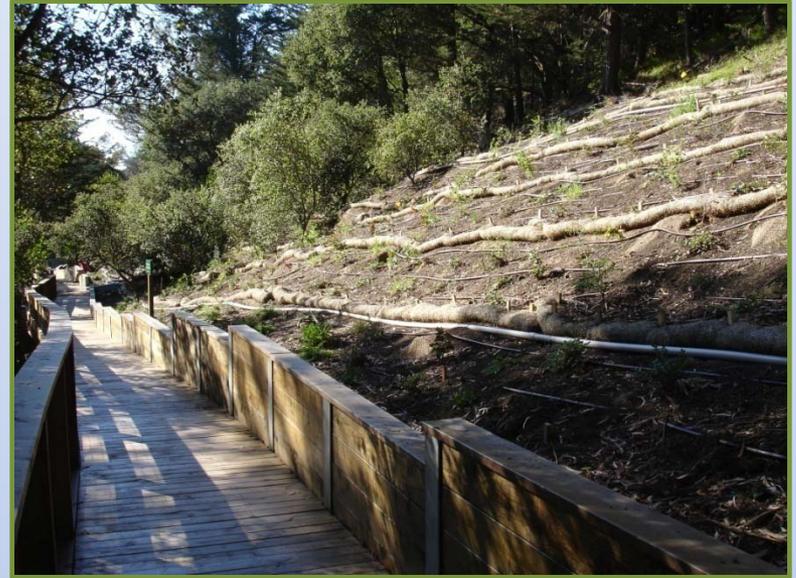
PATH, TRAIL, AND STAIR ENHANCEMENTS



TRAIL IMPROVEMENT EXAMPLES



NEW ACCESSIBLE TRAILS



RETAINING WALLS AND EROSION CONTROL FOR TRAIL SUSTAINABILITY

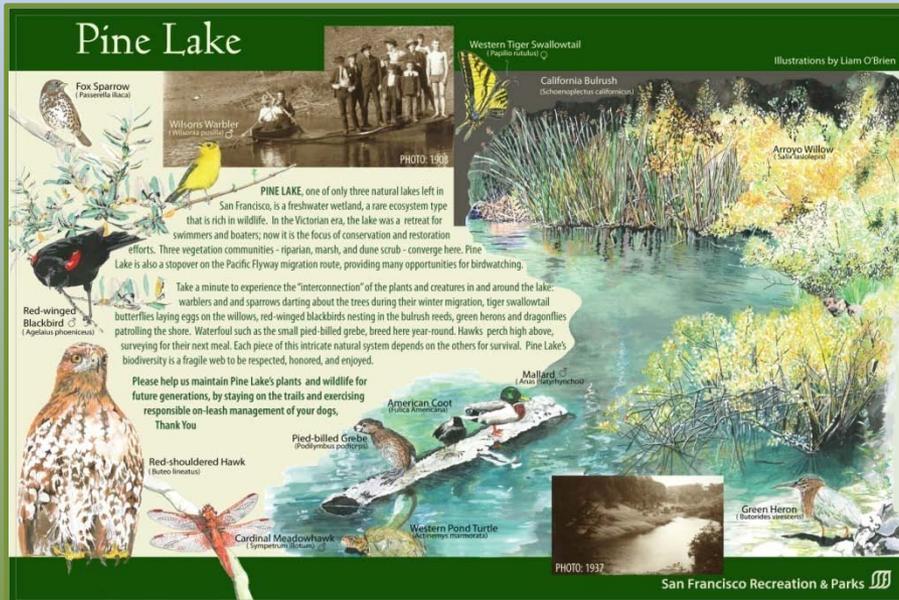
TRAIL SIGNAGE EXAMPLES



DIRECTIONAL SIGNS



WAYFINDING SIGNS



INTERPRETIVE SIGNS

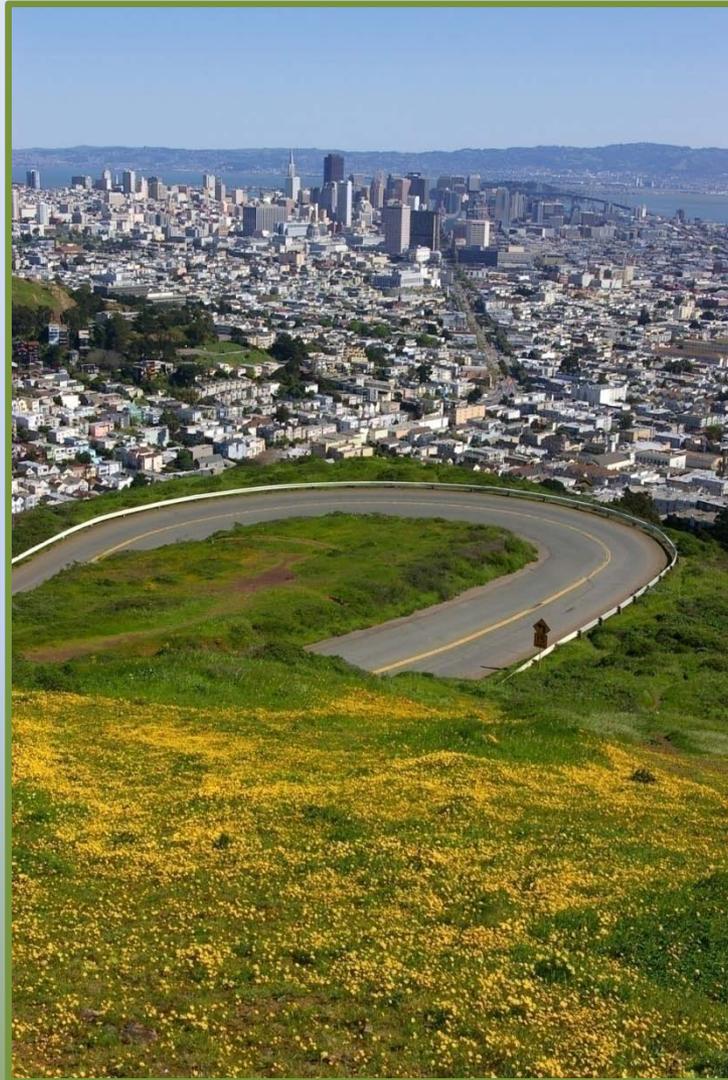
TRAIL RESTORATION EXAMPLES



HABITAT PLANTING



TRAIL MAINTENANCE

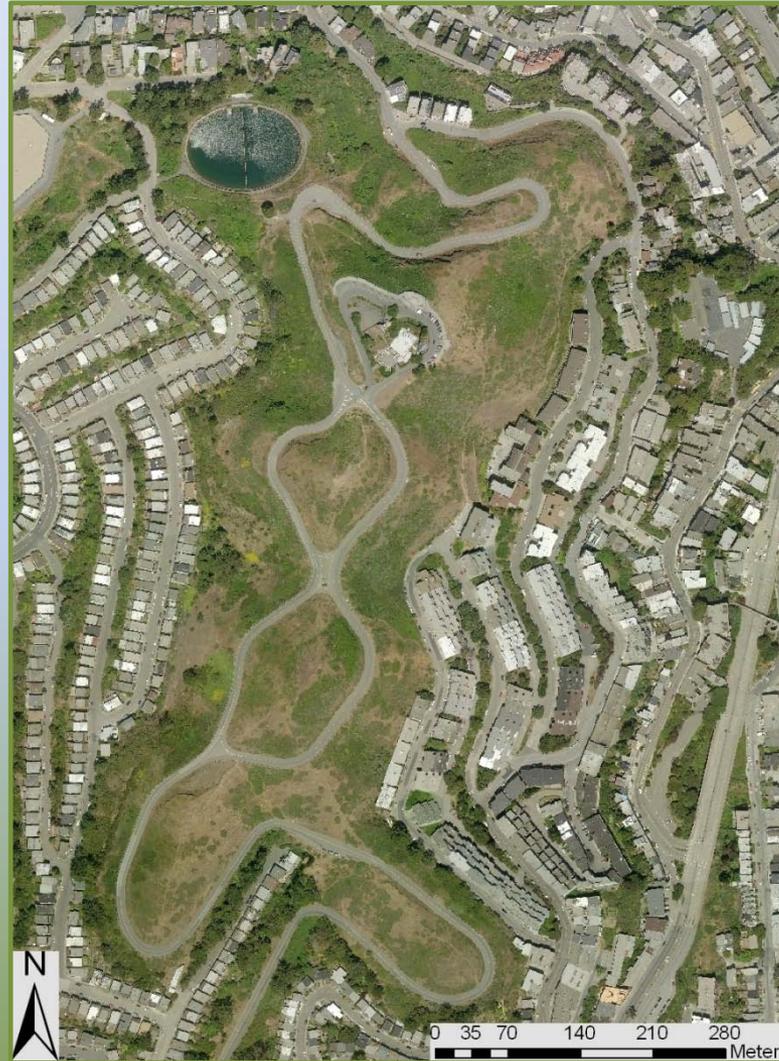


TWIN PEAKS EXISTING CONDITIONS



TWIN PEAKS

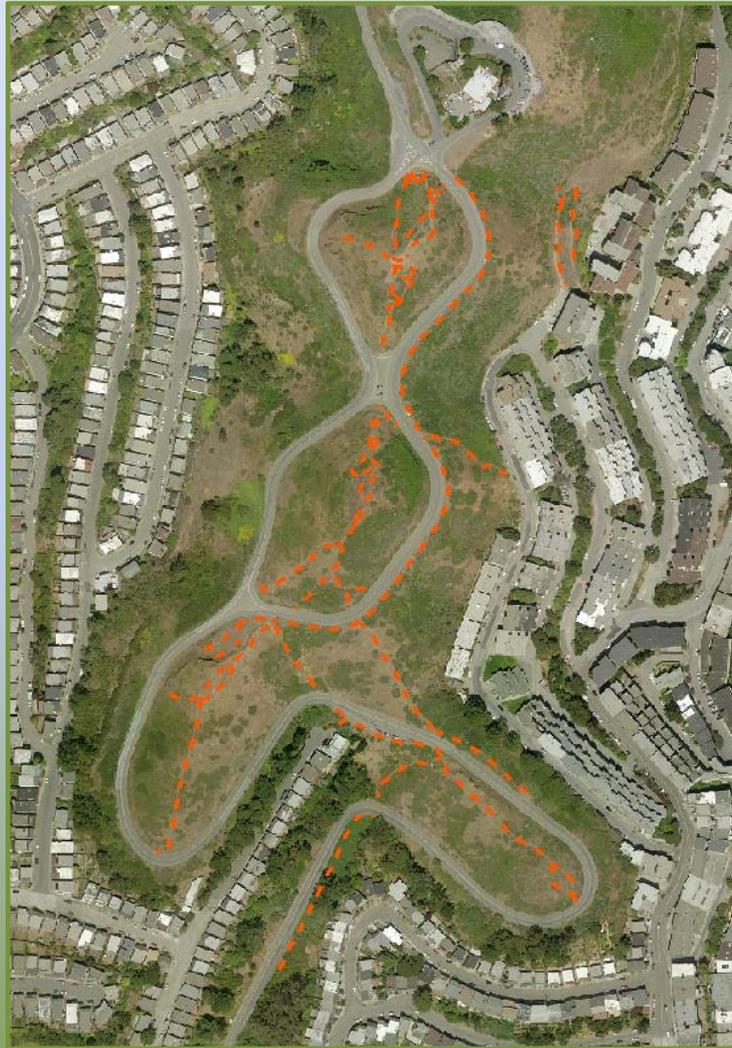
EXISTING SITE CONDITIONS



OVERVIEW AERIAL IMAGE

TWIN PEAKS

EXISTING TRAILS



OVERVIEW AERIAL IMAGE

TWIN PEAKS

EXISTING SITE CONDITIONS



SPINE TRAIL TO PEAK TOPS

TWIN PEAKS

EXISTING SITE CONDITIONS



SPINE TRAIL TO NORTH PEAK

TWIN PEAKS

EXISTING SITE CONDITIONS



SPINE TRAIL TO SOUTH PEAK

TWIN PEAKS

EXISTING SITE CONDITIONS



DEGRADED TRAIL ENTRY AND ROADWAY BARRIERS

TWIN PEAKS

EXISTING SITE CONDITIONS



DEGRADED TRAIL ENTRY WITH SIGNIFICANT EROSION ISSUES

TWIN PEAKS

EXISTING SITE CONDITIONS



DEGRADED TRAIL ENTRY WITH SIGNIFICANT EROSION ISSUES

TWIN PEAKS

EXISTING SITE CONDITIONS



TRAIL WITH FAILING STEPS AND EROSION ISSUES

TWIN PEAKS

EXISTING SITE CONDITIONS



FAILING STEPS AND EROSION ISSUES

TWIN PEAKS

EXISTING SITE CONDITIONS



UNSUSTAINABLE TRAILS WITH GULLIES AND EROSION

TWIN PEAKS

EXISTING SITE CONDITIONS



You are entering: *Critical Habitat*

Keep an eye out for this
ENDANGERED SPECIES
It just might be
your lucky day!

for the:
*Mission Blue
Butterfly*



What is it ?

- The Mission blue butterfly is a federally endangered species.
- These animals are very rare and can **ONLY** be found in a small number of grasslands in Marin, on San Bruno Mountain and here on Twin Peaks!

Why is it here ?

- Mission blues depend on the natural areas of Twin Peaks to survive.
- They need open grasslands, native vegetation and sunny, wind-protected slopes.

What is it doing ?

- From spring to early summer, Mission blues emerge as adult butterflies and drink the nectar of native wildflowers such as coast buckwheat, California phacelia, yarrow and checkerbloom.
- They lay their eggs on lupines, which are the host plants for the Mission blue.
- During fall and winter, the butterfly larvae remain dormant underground.
Any soil disturbance during this season can seriously harm the butterflies!

How can I help ?

- Do your part to protect the butterflies by treading lightly in this area.
- **STAY ON DESIGNATED PATHS** - Do not trample vegetation.
- **NO BIKES ON THIS TRAIL** - Ride bikes on paved paths and roadways only.
- **KEEP PETS ON LEASH** - Prevent pets from digging or defecating here.
- Learn more about Mission blues and volunteer to restore critical habitat on Twin Peaks with the San Francisco Natural Areas Program.
<http://sfrecpark.org/naProgramPage.aspx>



SUSTAINABLE TRAIL AND SIGNIFICANT HABITAT

TWIN PEAKS

EXISTING SITE CONDITIONS



SOME TRAILS TERMINATE AT BLIND ROADWAY AREAS

TWIN PEAKS

EXISTING SITE CONDITIONS



OLD INTERPRETIVE SIGN

TWIN PEAKS

PROPOSED CONCEPTUAL IMPROVEMENTS



A UNIQUE URBAN LANDSCAPE TO BE ENHANCED AND IMPROVED

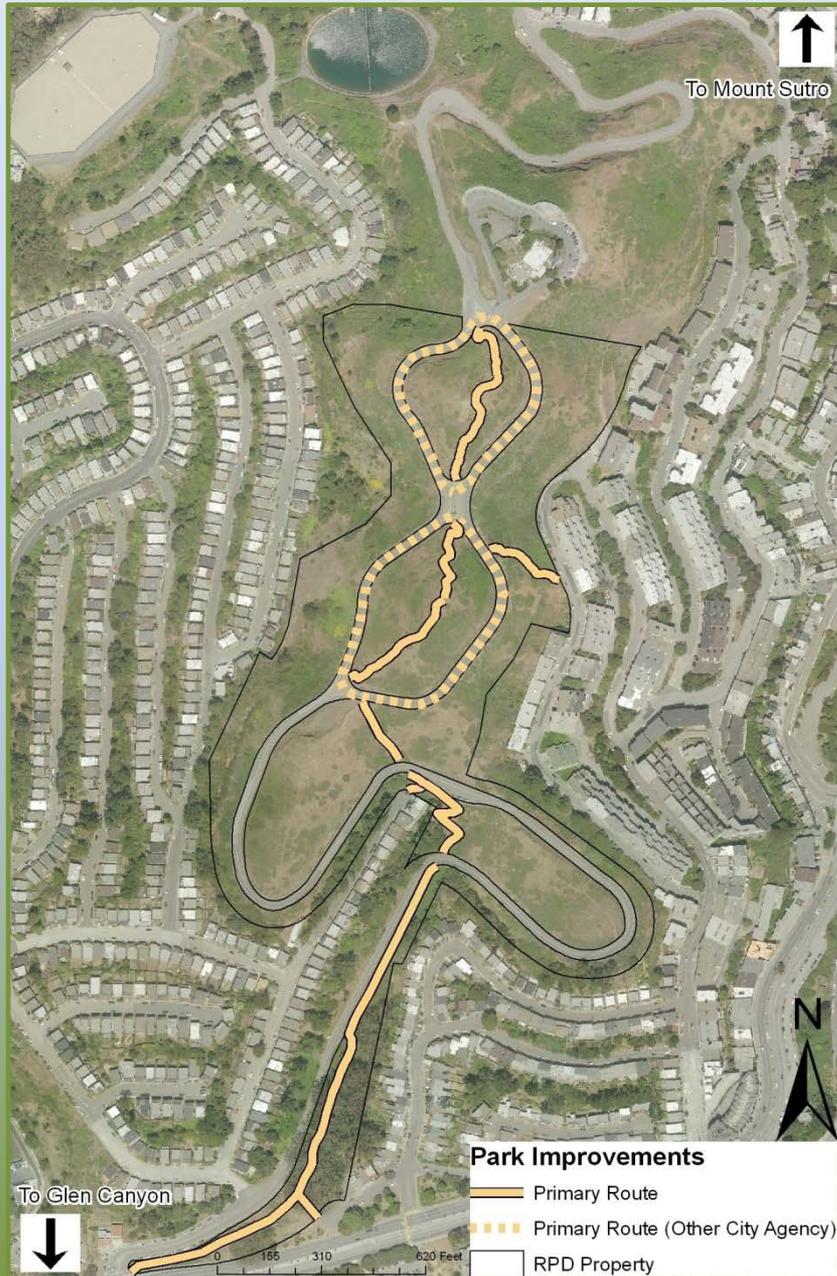
TWIN PEAKS

CONCEPTUAL PROJECT GOALS



- ◇ ENHANCE TRAIL CONNECTIONS AND REPAIR/REPLACE DEGRADED TIMBER STEPS.
- ◇ ADDRESS EROSION TRAILS AND REPAIR/RESTORE ERODED AREAS.
- ◇ IMPROVE ENTRY AREAS/SIGNAGE AND REPAIR/REPLACE ROADWAY BARRIERS.
- ◇ CONSOLIDATE REDUNDANT TRAIL ALIGNMENTS .
- ◇ ENHANCE HABITAT QUALITY WITH RESTORATION PLANTING AND INVASIVE PLANT CONTROL.

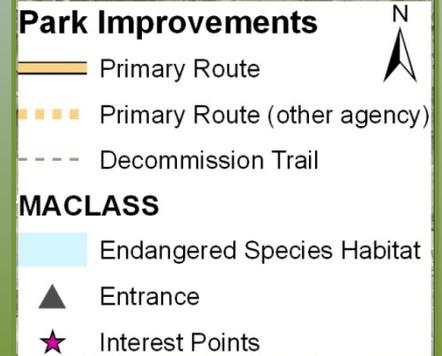
CONCEPTUAL PROJECT PLAN



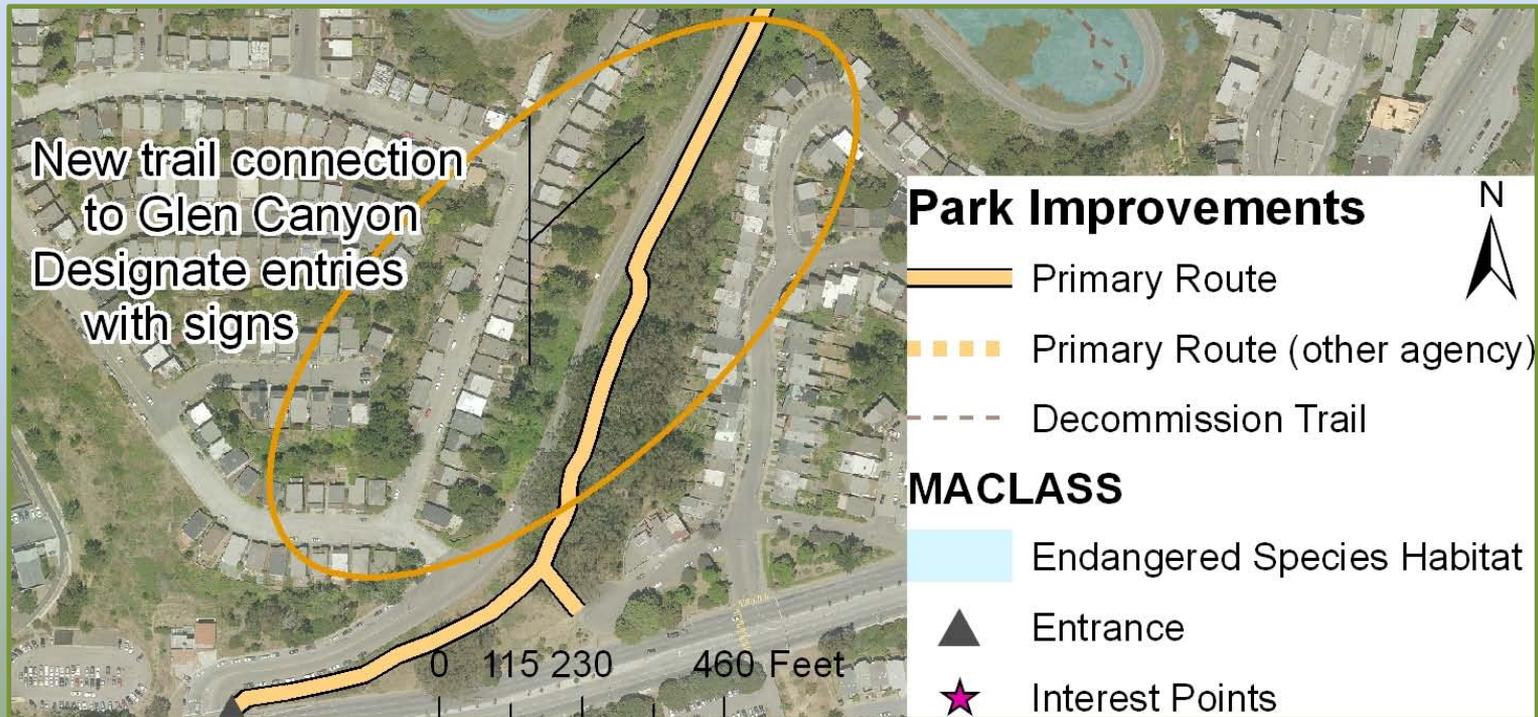
CONCEPTUAL PROJECT PLAN



CONCEPTUAL PROJECT PLAN PROPOSED IMPROVEMENTS



CONCEPTUAL PROJECT PLAN PROPOSED IMPROVEMENTS





TWIN PEAKS COMMUNITY INPUT



TWIN PEAKS

CONCEPTUAL IMPROVEMENTS

PARK ELEMENTS FOR DISCUSSION

- ◇ ENTRIES & SIGNAGE: FEATURES & CHARACTER
- ◇ TRAIL EXPERIENCE: VIEW/REST-POINTS & CHALLENGE
- ◇ TRAIL CONNECTIONS & CROSSINGS: SAFETY & CONTINUITY
- ◇ HABITAT PROTECTION & ENHANCEMENT: INVASIVES MITIGATION AND HABITAT RESTORATION



TWIN PEAKS

PROJECT BUDGET AND SCHEDULE



TOTAL PROJECT BUDGET:

- ◇ \$600,000 FROM CLEAN & SAFE NEIGHBORHOOD PARKS BOND
- ◇ \$131,000 FROM HABITAT CONSERVATION FUND GRANT

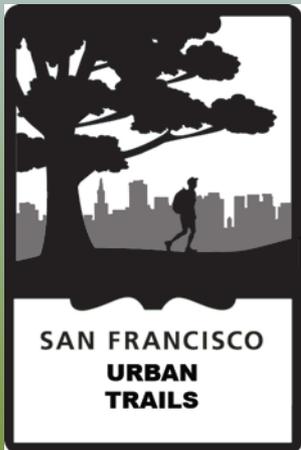
SCHEDULE (TENTATIVE)

- ◇ PLANNING: 10/2011 – 12/2011
 - KICK OFF MEETING: OCTOBER 5, 2011
 - DESIGN OPTIONS: NOVEMBER 2, 2011
 - REC/PARK COMMISSION: NOVEMBER, 2011
- ◇ DESIGN: 1/2012 – 6/2012
- ◇ BID/AWARD: 7/2012 – 10/2012
- ◇ CONSTRUCTION: 2013
- ◇ HABITAT RESTORATION PLANTING: 2013

URBAN TRAILS PROGRAM

NEXT STEPS

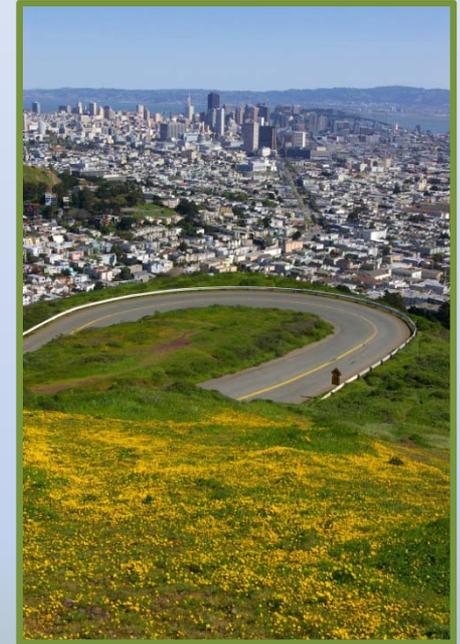
- ◇ VOLUNTEER OPPORTUNITIES
- ◇ FUNDRAISING OPPORTUNITIES
- ◇ FUTURE PHASE TRAIL PROJECTS:
 - ◇ BAYVIEW PARK



URBAN TRAILS PROGRAM CONTACT INFORMATION



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THANK YOU