



Prepared for the San Mateo County Parks Department
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EXECUTIVE SUMMARY



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EXECUTIVE SUMMARY

Quarry County Park is located in the unincorporated San Mateo County community of El Granada. The Park is comprised of several separate parcels that were consolidated under County ownership and management between 2010 and 2014, including Mirada Surf East and West, Wicklow Property, and the Quarry. With its sister park, Mirada Surf West located on the west side of Highway 1, Quarry County Park provides 577 acres of open space ranging from forested ridge tops to shoreline bluffs.

When the County assumed management responsibility, the uses allowed prior did not align with those permitted in County parks. Most notable are dog access and mountain bikes on hillside trails.

Quarry County Park is comprised of five areas that are distinct both in character and recreational usage: Hillside, Entry Meadow, Quarry Floor, Wetlands, and Coast.

- Hillside: Most of the park is comprised of eucalyptus-forested slopes bisected by



Figure ES-1: Vicinity Map

EXECUTIVE SUMMARY



Figure ES-2: Areas of Quarry County Park



Trails through the eucalyptus-forested hillsides

several stream corridors. A small reservoir has been created by the damming of one of the intermittent streams. A network of trails and service roads, utilized by hikers (including people with and without dogs) and the mountain bike community, traverse the hillsides. There are numerous vista points with panoramic views of the Pacific Ocean.

- **Entry Meadow:** An open, relatively flat meadow at the park's main entrance serves as a neighborhood park for the El Granada community. It accommodates a range of park amenities and uses, including a playground, picnic tables and barbecues, a community garden, a restroom, and a parking area. There is a small park maintenance corporation yard and a pump track is being added in 2022.
- **Quarry Floor:** Giving the name to the park, a center of a historic floor, this area is connected to the Entry Meadow via a multi-use trail. Historically, the community has hosted several small community events and performances in this area, which benefit from the acoustical attributes of this natural amphitheater.
- **Wetlands:** This area located at the southern tip of the park (formerly Mirada Surf East) features passive recreation trails around wetland area.
- **Mirada Surf West (Coast):** This area is Quarry County Park's connection to the shoreline bluff across Highway 1.

In 2010, when the San Mateo County Park Department assumed management responsibility for Quarry County Park, the County inherited several deferred maintenance challenges, including the need to:

- Provide safe and sustainable maintenance and emergency access across the park

- Address erosion and sedimentation runoff from existing authorized and unauthorized trails and roads
- Reduce wildfire risk associated with all fuel types within the park
- Protect sensitive habitats and species
- Assess potential safety issues associated with an earthen dam

To understand how to best manage this park unit and create a community-endorsed long-term vision for the recreation use and resource management of Quarry County Park, the County undertook the development of the Quarry County Park Master Plan, beginning in 2017.

Because Quarry County Park is a County Park that serves visitors from the local community and beyond, the Master Plan utilized an extensive outreach process targeting both regional County park users, Midcoast, the El Granada community, and local residents. As part of the initial outreach effort, the County hosted five community meetings and released an online survey soliciting input around three topics:

- Trail system improvements and use policy clarification
- Potential new park amenities and uses
- Natural resource protection and wildfire risk reduction

Key issues raised by the community during the outreach process include:

- Desire to continue to accommodate historic off-leash dog access (which conflicted with the County Park’s dog access policy at the time of the Master Plan’s community outreach)
- Hiking and mountain bike trail use conflicts
- Environmental impacts associated with mountain bike activities
- Desire to provide new recreation amenities

to meet the needs of the local community, particularly youth

- Prioritize retaining the natural ambiance of Quarry County Park
- Protection of neighbors from potential impacts of use intensification, particularly overflow parking
- Concerns regarding wildfire and ways to mitigate the threat of wildfire in El Granada

Recommendations from Environmental System Management, the Trail System Modifications, and Park Improvements for visitors in the Entry Meadow were developed and reviewed with the community in spring of 2018. At the same time, however, San Mateo County was developing policies regarding dog access to County parks. As dog access is a critical issue at Quarry County Park, the review of the final Master Plan was deferred until after the dog access pilot program could be evaluated. An off-leash dog pilot program is being considered for Quarry County Park in 2021, and so this Master Plan was re-evaluated and revitalized to reflect efforts undertaken since 2018.

From 2018 to now, the County has proactively prioritized and proceeded with several community-endorsed recommendations identified in this Master Plan. These projects are described in more detail in Chapter 5, Implementation Efforts (2018-2022) section.

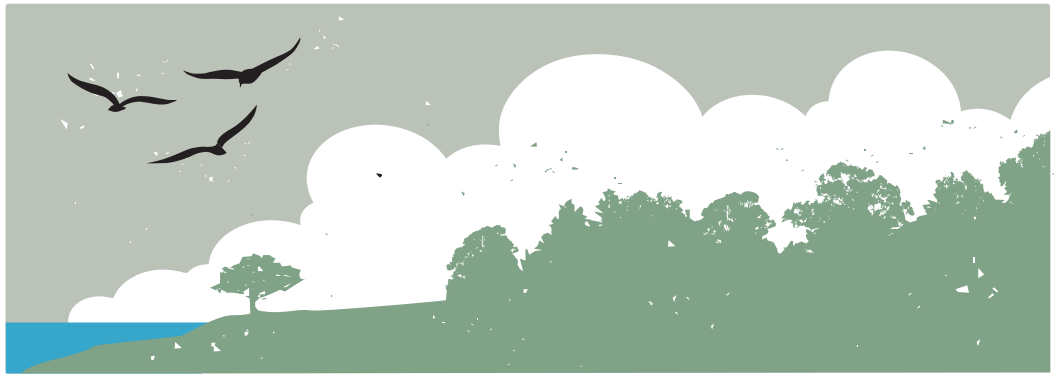
Quarry County Park Mountain Bike Design Standards are being prepared and will be incorporated herein as an addendum upon adoption. Using these standards, the Parks Department will evaluate all unauthorized trails within Quarry County Park, and will determine which trails comply with the standard or can be modified to comply with the standard. Trails that are unable to meet those standards will be

EXECUTIVE SUMMARY

decommissioned.

- County Parks has developed an off-leash dog recreation pilot program at Quarry County Park, which is anticipated to begin in 2022.
- Plans for the South Ridge trail/fire access road are in development to complete this important trail/fire road connection, and provide greater access to the interior of the park for first responders.
- A pump track design received a Coastal Development Permit in July 2021 and construction is slated to begin in Spring 2022.
- Multiple Wildfire Fuel Management projects have been completed, are in progress, or have funding allocated, including funding for multi-use trails, and pursuit of grant funding for defensible fuel breaks on the southern and western park boundaries.
- Development of the San Mateo County Routine Maintenance Program Manual was completed in 2021 and will expedite the CEQA and permitting required for addressing road, trail and culvert improvements at County Parks such as Quarry County Park.
- From 2018-2025, it is anticipated that 202 acres of Eucalyptus will have been treated to create a shaded fuel break, and 12 acres will have been completely eradicated for wildfire reduction. Maintenance will occur on an as-needed basis.
- Minor Dam improvements with additional improvements to be made in the summer of 2022.
- A Multi-Modal Trail will be constructed on the east side of Highway 1 ROW in the summer of 2022 that will connect to the City of Half Moon Bay's trail to the south and to the north both to Granada Elementary School and Coronado Ave. This trail will connect directly to the Mirada Surf East service road/trail.

CHAPTER 1 | INTRODUCTION



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CHAPTER 1 | INTRODUCTION

OVERVIEW

The subject of this Master Plan, Quarry County Park, consists of 577 acres of combined and adjacent properties historically known as Quarry County Park, the Wicklow property, Mirada Surf East, and Mirada Surf West. Quarry County Park is a coastal gem with trails, wetlands, forests, and expansive views of the coast and the Pacific Ocean.

Quarry County Park is located in the unincorporated community of El Granada and is a part of the San Mateo County Park system. While portions of Quarry County Park have been improved with trails, playgrounds, picnic sites, parking, and restrooms, most of the park has not yet been developed beyond a formal and informal trail system. This Quarry County Park Master Plan provides a vision for the future of the park, and guidance for its protection, public use, and maintenance.



Figure 1-1: Vicinity Map

SAN MATEO COUNTY PARKS DEPARTMENT STRATEGIC PLAN

MISSION: Through stewardship, San Mateo County Parks preserves our County’s natural and cultural treasures, and provides safe, accessible parks, recreation, and learning opportunities to enhance the community’s quality of life.

GUIDING PRINCIPLES:

“Restore, Enhance, Protect”

- Protect, enhance and restore existing and native resources
- Promote conservation and increase engagement with nature
- Promote inclusivity for all people (all ages, youth, seniors)
- Meet evolving recreation needs
- Respect our neighbors
- Build partnerships in order to steward the land
- Promote connectivity

PURPOSE OF MASTER PLAN

The Quarry County Park Master Plan provides a guiding vision for the stewardship which:

- Restores the park to a more native and sustainable condition
- Can be incrementally implemented over time and as financial resources become available
- Expands and improves recreational opportunities while minimizing environmental damage and restoring native habitat
- Is consistent with other County plans, policies, and practices

VISION

The vision for Quarry County Park is based on the Mission and Guiding Principles of the San Mateo County Parks Department, and public feedback.

Quarry County Park is a valued park that provides coastside residents and visitors with a variety of recreation opportunities, enhances the sense of community, and supports healthy living and connection with nature. It is managed to offer a wide array of recreational experiences and opportunities for the public, protect and enhance natural habitats, reduce wildfire threat to neighboring communities, decrease erosion, and improve the health of the vegetation communities and watersheds.

MASTER PLAN GOALS



Preserve
unique environmental
setting



Protect
environmental
systems



Provide
recreation
opportunities



Promote
a sustainable
vision

HISTORIC ISSUES

In approaching the development of the Quarry County Park Master Plan, the County identified several potential issues which needed to be further researched with recommendations, including:

- Improving and expanding recreational, maintenance, and emergency access throughout the park
- Improving drainage and reducing erosion and sediment discharge occurring as a result of legacy roads and trails
- Addressing community desire to continue existing on and off-leash dog access to trails
- Addressing conflicts between hiking (with or without dogs) and mountain bikers on trails
- Mitigate the threat of wildfire in El Granada
- Developing recommendations for management of sensitive habitats and species and restoration of the parklands to more native conditions
- Assessing issues associated with the existing earthen dam and reservoir
- Exploring ways in which the Parks Department could expand allowed uses and amenities to meet additional desired recreational improvements based on community needs identified in this and previous planning efforts
- Examining opportunities to improve and expand existing trail network and linkages to neighboring Golden Gate National Recreation Area Rancho Corral de Tierra

The Quarry County Park Master Plan was undertaken during a pivotal time for the Park. When the County assumed management responsibility, the uses allowed prior did not align with those permitted in County parks. Most notable are on- and off-leash dog access and mountain bikes on single track trails. Mountain bikes are allowed on service roads.



Trail in lower Quarry County Park



Trail through Entry Meadow



Quarry Floor



Mirada Surf West



Education and Engagement



Playground and Picnic

DOCUMENT ORGANIZATION

This plan is organized into the following chapters:

1. **Introduction:** This chapter gives a brief overview, expresses the vision for Quarry County Park based on the public and County Park staff feedback (as identified in Chapter 3), and details the organization of the Master Plan.
2. **Context and Existing Conditions:** This chapter describes the background and setting for the Quarry County Park Master Plan, including general history, physical and environmental conditions, (including biology and habitat value), and erosion and sedimentation issues affecting the park. It also sets forth the regulatory and planning context, and previous assessments of the community’s recreational needs. It briefly describes existing amenities and park uses.
3. **Community Outreach:** This chapter summarizes the community outreach and engagement that occurred and is the foundation of this Master Plan recommendations.
4. **Goals and Recommendations:** This chapter discusses a series of goals for Quarry County Park and makes specific recommendations to realize those goals. It focuses both on recreational uses and natural resources management.
5. **Implementation:** The initial chapter addresses prioritizing recommendations and improvements for Quarry County Park, and phasing of the recommended improvements. It looks at funding and partnership opportunities for the implementation of projects and the stewardship of the park. This chapter summarizes actions taken during the Master Plan development and adoption process to implement recommendations.
6. **Appendices:** Technical studies and supporting documentation.

CHAPTER 2 | CONTEXT AND EXISTING CONDITIONS



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CHAPTER 2 | CONTEXT AND EXISTING CONDITIONS

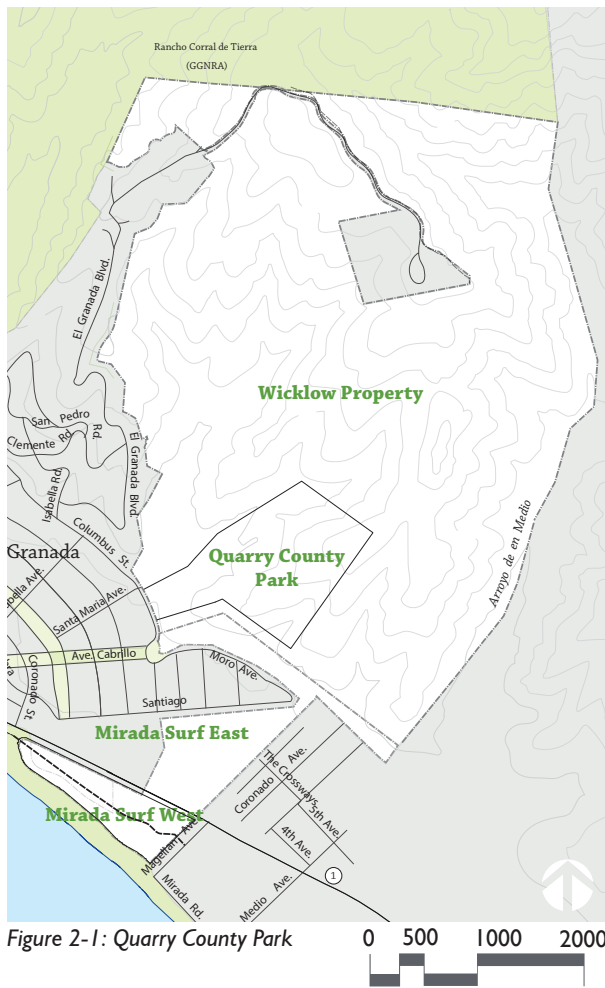


Figure 2-1: Quarry County Park

Quarry County Park is a 577-acre park that is located in the unincorporated community of El Granada. It is comprised of several connected parcels (Quarry County Park, the Wicklow Property, Mirada Surf East, and Mirada Surf West) located in El Granada in unincorporated San Mateo County. The Park, including three Quarry parcels totaling 50.4 acres and the 467-acre Wicklow property, rise up the coastal foothills east of El Granada. Mirada Surf East (41.1 acres) and Mirada Surf West (18.7 acres), bisected by Highway 1, lie southwest of the town. A private residential parcel of approximately 20.6 acres remains along the ridge line in the northern portion of Quarry County Park.

Collectively, the discrete properties that were acquired over time by San Mateo County sum to create Quarry County Park. This Master Plan discusses the entire park as a single entity.

LOCATION & HISTORY

QUARRY PARK & WICKLOW

In 1905, the Shore Line Investment Company purchased 1,271 acres for a showplace town they called Balboa (now El Granada). The design, by famed architect Daniel H. Burnham, envisioned 640 acres of open space behind the proposed town, including today's 50-acre Quarry Park. However, in 1920 the Shore Line Investment Company went bankrupt, and the parkland was sold.

For 75 years the land passed between private owners (including JL Johnston, Keet Nerhan, and the O'Neil family). It was used for grazing, then as a quarry, which supplied rock for both Highway 1 and WWII airport runway (now Half Moon Bay Airport), as a stable, and planted with eucalyptus trees in a failed attempt at a logging operation. While in private ownership, access roads were cut into the hillsides for the business use of the site.

Then, in 1995 after a private developer offered to sell back the land to the community at his cost, a group of coastsiders requested that San Mateo County purchase the 50-acre Quarry parcel. The final plan entailed leasing the property to a local nonprofit; the Midcoast Park Lands (MPL) was formed to manage and operate the land as a community park from 1995 until 2010. In these 15 years, Quarry Park was enjoyed as an off-leash dog recreation area and by mountain bikers using an extensive trail network built by the community.

In 2010, the San Mateo County Parks Department assumed management of the Quarry Park property as part of the County of San Mateo Parks system.

In the summer of 2014, the Wicklow Property was acquired from the Peninsula Open Space Trust and added to Quarry County Park, expanding the park with 467 acres of hillsides and ridges.

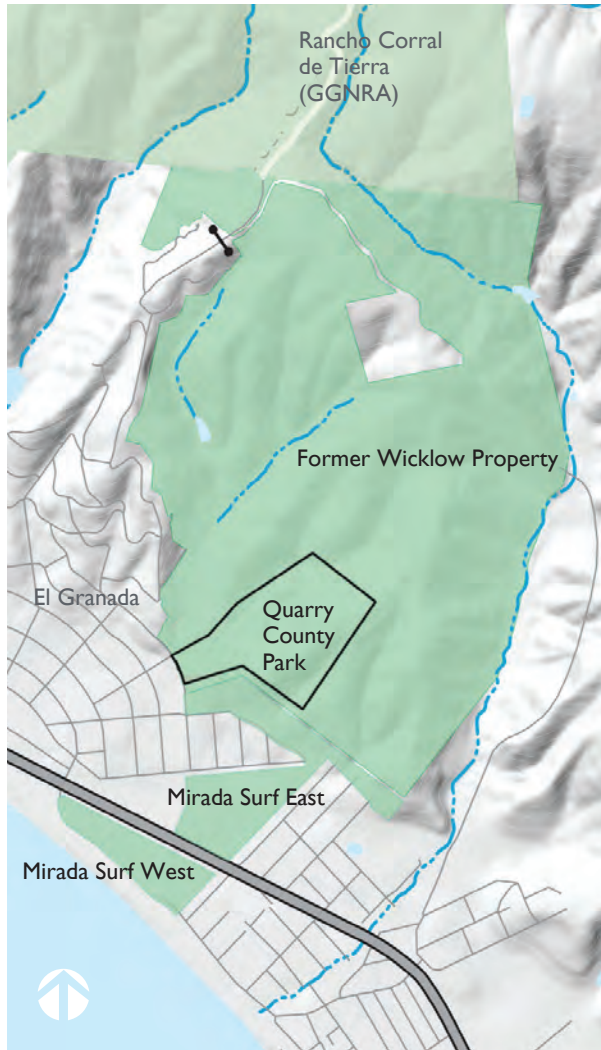


Figure 2-2: Quarry County Park Properties

MIRADA SURF WEST & MIRADA SURF EAST

The Mirada Surf properties were used for cattle grazing until they were converted into dry-land agricultural use (hay, red oats, and root crops) as early as 1861. The present day Mirada Surf East and Mirada Surf West parcels came into being in 1906 with the Burnham Plan for the town site of Granada, originally Balboa. The Burnham Plan of 1906 shows the east Granada parcel as a single purpose parcel that was a railroad serving South Granada freight station and train yards. On the 1910 town-plan-as-built, this area is labeled “50 acres reserved for a car shop and powerhouse.” Today, El Granada Elementary School occupies the site of the South Granada freight station and the Mirada Surf East property occupies the site of the then proposed round house, train yards, and power plant.

Mirada Surf West and East were split by the development of the Ocean Shore Railroad in 1908, of which the prior railroad alignment ran along the Mirada Surf West property. The properties were later split again in 1949 by the development of Highway I. The name Mirada comes from Mirada Road, which ran along the El Granada Beach bluffs until the late 1960s when, because of rapid shoreline erosion, it fell into the ocean. Segments of Mirada Road can be seen in the surf at low tide.

In 1978, the Midcoast Community Plan, approved by the County Board of Supervisors, designated this site as a community park in the San Mateo County General Plan. In the 1990’s, several development plans were put forward for the Mirada Surf East property but were withdrawn. Any development proposal would have required rezoning and changes to both the General Plan and Local Coastal Program designations. In 2001, the County acquired the Mirada Surf East property. In 2002, the County acquired the Mirada

Surf West property through a combination of a California Coastal Conservancy grant and funds raised through the San Mateo County Parks Foundation. This action led to the improvement of the California Coastal Trail and bridge on Mirada Surf West in 2008. The California Coastal Trail within the Highway I right-of-way to the intersection of Coronado Street, the restroom, and picnic improvements were completed in 2013.

RANCHO CORRAL DE TIERRA

Immediately north of Quarry County Park lies Rancho Corral de Tierra (RCdT), an approximately 3,800 acre open space that is part of the larger Golden Gate National Recreation Area. The land was acquired in 2011 by the National Park Service from the Peninsula Open Space Trust. RCdT is contiguous with the northern border of Quarry County Park. The Deer Creek Trail will connect RCdT and Quarry County Park. RCdT is in the master planning process currently, which is considering a trail connection to Quarry County Park (a recommendation of this Master Plan).



Ocean view from Quarry County Park

CHAPTER 2 | CONTEXT AND EXISTING CONDITIONS

Acquired Property	Acres	APN	When Acquired
Quarry	5.15	047340010	2010-2011
Quarry	10.75	047340020	2014
Quarry	34.524	047340040	2010-2011
Wicklow	466.986	047340290	2014
Mirada Surf East	41.07	047330010	2001
Mirada Surf West	18.66	047331010	2002
MSW Bathroom	.07	048016020	2010
Total Acres	577.21		

Table 2-1: Quarry County Park Parcels and Acreage

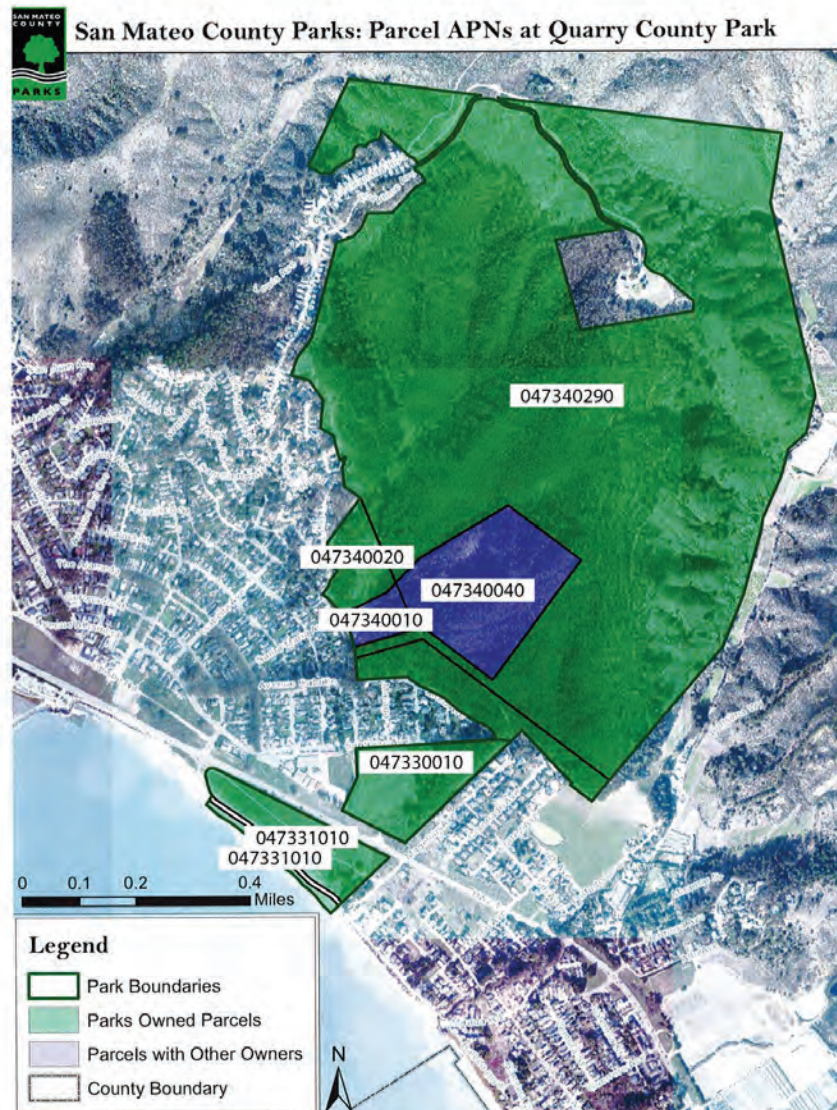


Figure 2-3: Quarry County Park Assessor's Parcel Numbers (Source: San Mateo County Parks Dept)

PLANNING CONTEXT

REGULATORY

SAN MATEO COUNTY GENERAL PLAN (GP)

The 2013 San Mateo County General Plan (GP) sets out several policies applicable to Quarry County Park. Under the GP, Quarry County Park is zoned as PAD/CD (Planned Ag District/ Coastal Development), and the Mirada Surf parcels are zoned as RM, RM/CZ: (Resource Management/ Coastal Zone). Relevant policies include:

Policy 9.13 (Land Use Objectives for the Rural Lands), seeks to protect and enhance the resources of the Rural Lands to (amongst other criteria) “provide a diversity of outdoor recreational opportunities for existing and future County residents.”

Policy 9.35 (Public Recreation: Encourage Existing and Potential Public Recreation Land Uses), encourages the continuation and expansion of existing public recreation land uses on nonagricultural lands, including public parks, wild areas, and trails.

Policy 9.40 (General Open Space; Maintenance of the Open Space Character of Lands Designated as Open Space), seeks to, wherever possible, maintain the open space character of lands designated as General Open Space.

Policy 9.42 (Development Standards for Land Use Compatibility in the General Open Space Lands), seeks to locate development in areas of parcels which cause the least disturbance to scenic resources and best retain the open space character of the parcel.

Relative to these policies, Quarry County Park preserves a broad expanse of open space surrounding the communities of Miramar and El

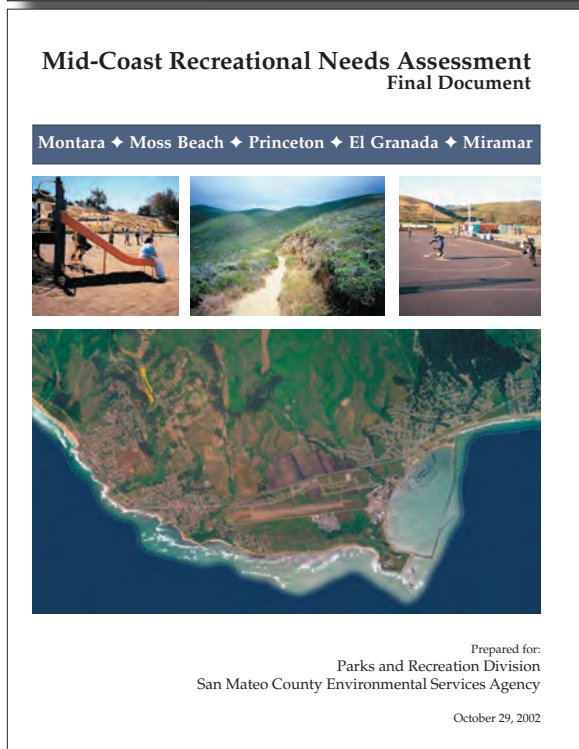
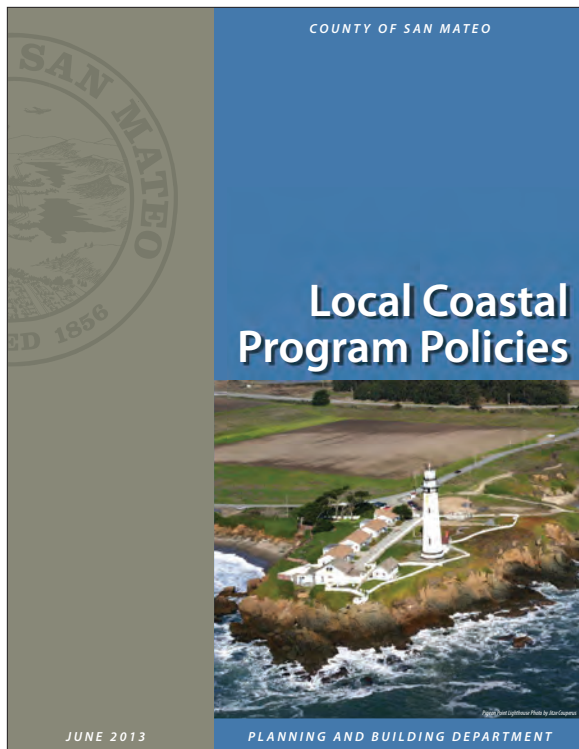
Granada. Quarry County Park is operated with an active array of both recreational, trail, and community-directed uses and amenities. Based on conversations with the public, when practical, expansion of uses and amenities should be located close to its entrance within the area of the park that is most accessible, the most open and the least topographically challenged. The trails extend into the park’s steeper, outlying, densely forested areas conducive to hiking (with or without dogs) and mountain bikes and the preservation and observation of plants, trees, and wildlife.

LOCAL COASTAL PROGRAM (LCP) MIDCOAST LAND USE PLAN (MLUP)

Although it is not a policy document, the Quarry County Park Master Plan has been designed to align with County General Plan and Local Coastal Program (LCP) policies. Quarry County Park falls within the LCP’s “Recreation/Visitor Serving Facilities Component” Policy 11.3 definition of a Public Recreation Facility. As such, Quarry County Park is an allowed facility in the Coastal Zone, pursuant to Policy 11.4, which allows public recreation facilities which (a) are designed to enhance public opportunities for coastal recreation, (b) do not substantially alter the natural environment, and (c) do not subvert the unique small town rural character of the individual communities on the coastside.

The Mirada Surf properties fall within the boundaries of the Midcoast Land Use Plan (MLUP), which designates East as “Public Recreation,” and West as “Open Space.”

The Quarry and Wicklow properties in Quarry County Park fall on the rural side of the LCP’s



Urban/Rural Boundary, limiting the ability to extend or add utilities in those areas without a Local Coastal Plan amendment. Any increase in current use for Quarry County Park and related properties discussed in the Master Plan would require a Coastal Development Permit as they fall within the Coastal Zone.

PERMITTING AGENCIES

Several Environmentally Sensitive Habitat Areas, as defined in the LCP, exist in the park, including streams, wetlands, reservoirs, and other habitats. Any improvements or repairs that occur within these areas may be conducted in accordance with the Parks Department Routine Maintenance Manual or applicable permits and approvals. Depending on the nature and location of proposed improvements, additional permits may be required from other agencies such as the U.S. Army Corps of Engineers, Regional Water Quality Control Board and State Department of Fish and Wildlife. Further discussion of these agencies and the permits they require can be found in Appendix A.

The Routine Maintenance Manual provides a comprehensive, efficient and consistent approach to conducting routine maintenance activities related to vegetation management and erosion management along roads, trails, ditches; swales and low impact development features: culvert replacements, roadside slip-out repairs, and bank stabilization. The Routine Maintenance Manual serves as the basis for compliance with CEQA and permitting.

OTHER PLANNING STUDIES & REPORTS

The County, Granada Community Services District (GCSD) and others have engaged in numerous studies regarding park and trail improvements, and recreational needs and priorities of Midcoast

residents and visitors. This master plan was developed with inputs from these existing planning documents, including:

- Midcoast Recreational Needs Assessment (2002), San Mateo County Parks
- Midcoast Park Action Plan (2007), San Mateo County Planning
- Highway 1 Safety and Mobility Improvement Plan (Phase 1 – 2010, and Phase 2 -2012), San Mateo County Parks
- Granada Community Services District Survey (2016), Granada Community Services District
- County Parks Visitor Survey (2016), San Mateo County Parks
- Surfers Beach Coastal Trail Improvements (2016), US Army Corps of Engineers San Francisco Division
- County Parks Dog Management Strategy (In Process), San Mateo County Parks
- Parallel Multi-Mobility Trail on Mirada Surf East property (In Process), San Mateo County Public Works
- Rancho Corral de Tierra Master Plan (In Process), Golden Gate National Recreation Area

ADJACENT COMMUNITIES

There are two unincorporated communities, El Granada and Miramar, immediately adjacent to the west of Quarry County Park. The City of Half Moon Bay lies south of the park. The community most closely affiliated with Quarry County Park is El Granada.

El Granada is a census-designated place with a population of 6,102 people (2019 American Community Survey 5-year estimate). Approximately 18% of the population is under 18 years of age, and 16% is over 65 years old. The town is comprised of mainly residential, of which 90% are detached single units. There is limited neighborhood commercial

areas along Highway 1 and North-East of the Burnham Strip.

El Granada has a similar age profile to the rest of San Mateo County. Roughly 20% of County’s population is under 18 years of age, and 16.5% is over 65 years old.

PARK ACCESS

There are multiple pedestrian park access points to Quarry County Park, with the major access point at the Entry Meadow. The Entry Meadow is located at the intersection (and terminus) of Santa Maria Avenue and Columbus Street. Additional pedestrian access points are:

- Columbus Ave, roughly 300 feet south of the main park entrance

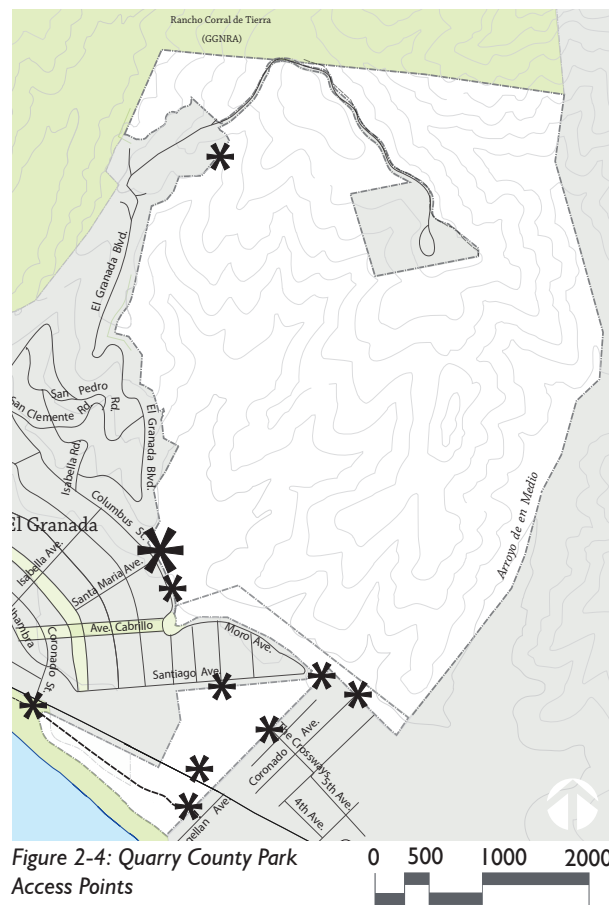


Figure 2-4: Quarry County Park Access Points

CHAPTER 2 | CONTEXT AND EXISTING CONDITIONS



Off-leash dogs were historically allowed in Quarry County Park



Mountain bikes on downhill trails

VISITOR COUNTS TO QUARRY PARK			
YEAR	QUARRY PARK	MIRADA SURF WEST	TOTAL VISITORS
2015 ¹	16,091	70,095	86,186
2016	24,415	104,038	128,453
2017	9,895	23,769	33,664
2018	21,743	9,650	31,393
2019	19,884	5,668	25,552
2020	14,394	14,814	29,208
2021 ²	9,391	11,981	21,372

¹ Visitor counts from June through December
² Visitor counts from January through June

Table 2-2: Visitor Counts for Quarry Park and Mirada Surf West (Source: San Mateo County Parks Department)

- Northern terminus of Coronado Street
- Gate on the north-side of Highway 1, north of Magellan Avenue
- Northern end of Dolphine Avenue
- Magellan Avenue
- Intersection of Coronado Street and Highway 1
- Santiago Avenue gate to Mirada Surf East fire road
- Corner of Moro Avenue and Santiago Avenue
- Magellan Avenue pedestrian access into Mirada Surf East
- Future gate located at South Ridge Fire Road

Bicyclists access points coincide with pedestrian access points.

Parking for Quarry County Park is available at the Entry Meadow. No other access point provides dedicated parking for park visitors.

Public transportation, provided by SamTrans, is limited to a single route (Route 17), with a stop approximately 0.5 miles from the Entry Meadow.

HISTORIC PARK USAGE

Prior to coming fully under County management, Quarry Park was managed solely by volunteers. The community-based, non-profit Midcoast Park Lands (MPL) managed the public community park. From 1995 to 2010, there was little policy regulating access and use of Quarry Park.

In these 15 years under MPL, Quarry Park was enjoyed as an off-leash dog recreation area and by mountain bikers using an extensive trail network built by the community.

The dog access policy was minimal, with the only requirements being:

- Dogs always under voice or leash control
- Dogs are not allowed in the playground area
- Dog walkers must pick up after their dogs

All roads and trails were open to hiking, biking, and equestrians.

When the County acquired the then 50-acre Quarry Park, the County's policies immediately went into effect, changing the allowed uses within the Park. Dogs were not allowed in any County park, on- or off-leash. The dog policy has evolved since 2010, and is evolving still. Mountain bike trail use was restricted. These uses were commonly occurring in Quarry Park, and this Master Plan provides a vision for how they can be re-incorporated as authorized uses, while also protecting resources and other park users. See Chapter 5, Implementation Efforts (2018-2022) section for more information about the dog access policies and mountain bike use in the park.

PARK USAGE

Quarry County Park draws an abundance of users with its natural terrain, views, and extensive trail system. Hikers visit the park for the diversity, difficulty, and views afforded on the trails. Dog owners enjoy the space and trails for exercising their dogs. Mountain bikers have historically used Quarry County Park because of the extensive informal trail network created by the community that offers varied experiences based on terrain and routes. Trail use conflicts were discussed at public meetings as a safety concern when hikers and downhill mountain bikers are using a trail simultaneously. The Entry Meadow provides park amenities, such as picnic tables and a playground for the local El Granada community and visitors. In the spring of 2022, the Parks Department added two new pump tracks and a skills track to the Entry Meadow.

The number of visitors to Quarry County Park and Mirada Surf West are counted by the County with trail counters placed at the two gates at the

main entrance of Quarry County Park and at the southern trail end at the kiosk and restrooms in Mirada Surf West (Coast). The counts provide a general estimate of visitors. Monthly visitor counts from 2015 to 2021, provided by the Parks Department, are included in Appendix F.

PARTNERSHIPS

Quarry County Park has historically benefited from volunteer efforts. In fact, the park would not exist as a public community asset without the dedicated efforts of volunteers. Prior to 1995, the 50-acre quarry site was in private ownership.

Through dedicated volunteer efforts of the community-based non-profit Midcoast Park Lands (known as Friends of Quarry Park prior to 1997 501(c) incorporation), the County acquired the original 50-acre site in 1995 with a Joint Exercise of Powers Agreement with Cabrillo Unified School District to acquire, develop, and operate Quarry Park. For 15 years, MPL operated, managed, and maintained the park. The County took over full-management of the 50-acres in 2010.

Quarry County Park has close ties to the Peninsula Open Space Trust (POST), a non-profit that protects open space on the Peninsula and in the South Bay for the benefit of all. POST was instrumental in adding the Wicklow property to Quarry County Park. In 2002, POST acquired the Wicklow property as a gift to preserve the natural wildness of the site. The land transferred to County ownership in 2014.

The San Mateo County Resource Conservation District and Coastal Conservancy partner with the County for wildfire management projects. See Chapter 5, Implementation Efforts (2018-2022) section for more about current fuel mitigation projects.

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The Granada Community Services District (GCSD) is a partner for ongoing amenity projects in the park. The District gained parks and recreation jurisdiction in 2014 for the unincorporated areas surrounding Quarry County Park, managing park development and recreation programming.

In recent years, CalFire has been an active partner on multiple fire risk management fuel reduction projects in the park.

SITE AREAS

Today, Quarry County Park stands both as a historic monument to Daniel Burnham's vision of El Granada, previously called Balboa, a refuge for a variety of native plants and animals, and a unique outdoor recreation. Quarry County Park provides multiple, distinct site areas: Hillsides, a Reservoir and Dam, the Quarry Floor, the Entry Meadow, Wetlands, and the Coast.

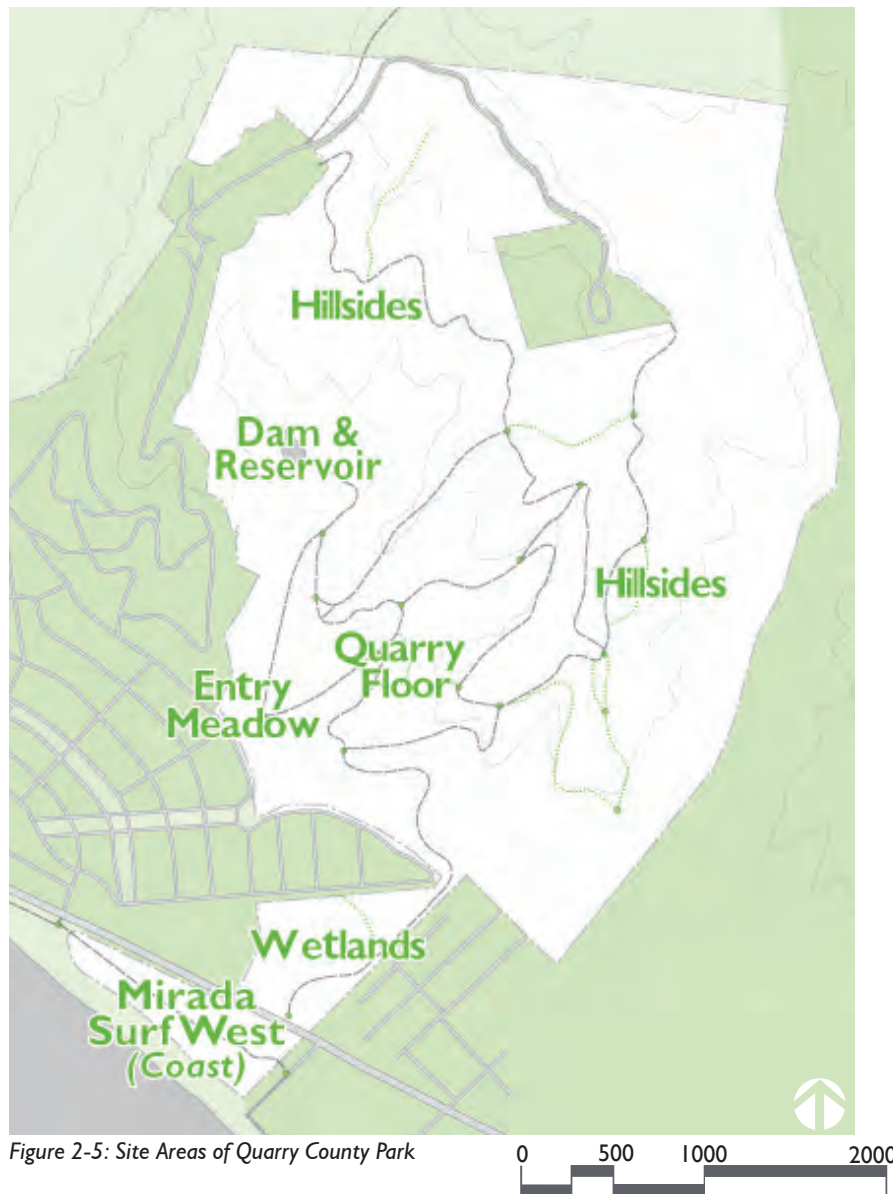


Figure 2-5: Site Areas of Quarry County Park

TRAIL SYSTEM & SIGNAGE

The Hillside areas include grassy hillsides, coastal ridges, and a large eucalyptus forest with patches of Monterey pine and cypress component. The original eucalyptus trees were planted by the Ocean Shore Line in the early 20th Century to make the area more attractive to buyers. Swatches of eucalyptus were cut down by a private owner in the mid-1980s. Most of the trails in the park traverse the Hillside areas.

The reservoir and dam were originally created to provide water for grazing cattle. Nowadays, it is a home to rough-skinned newts and an area of concern for erosion.

The Quarry Floor is the site of the original quarry that names the park. Rock from the quarry was used to construct Highway 1 and a runway used in World War II (now Half Moon Bay Airport). In 2012, a labyrinth was constructed on the Quarry Floor for the enjoyment of park visitors.

The Entry Meadow is the main entrance to Quarry County Park. It offers a play area, picnic tables with barbecues, a community garden, a tree house, open grassy areas, a restroom, and a parking area. Dog waste stations are in the parking lot. Most of the trails that traverse the park begin at the Entry Meadow.

The Wetlands (Mirada Surf East) is a 41-acre protected open space with a service road/trail that connects to the main portion of Quarry County Park.

The Mirada Surf West (Coast), along the coastal bluffs, includes a 0.36-mile-long section of the California Coastal Trail, including a bridge and a restroom. The Coast is separated from the main portion of Quarry County Park by Highway 1.

There are currently several trails in the park that provide a range of nature exploration and access opportunities from the shore to the ridge. Trails are identified as multi-use (hiking, mountain biking, and equestrian), or designated solely for a single use (either hiking or mountain biking only). The current trail map is shown in Figure 2-6.

There is a legacy of trails throughout the park, created by private owners, by public citizens, and by County Parks as fire access for safety. The trails in existence today are a composite from earlier property owners and managers.

Some park trails date to the early 20th century when Ocean Shore Line planted the hillsides with fast-growing Eucalyptus. Access roads were created to facilitate tree planting across the site. Supplemental access roads were created in the mid-1980s by the site's private owner to allow logging operations to occur.

A network of trails traverses the park, most starting at the Entry Meadow from two multi-use trails that utilize existing service roads. Trails meander through meadows, forests, and the quarry floor, and lead to destinations such as vista points and a



Trails

CHAPTER 2 | CONTEXT AND EXISTING CONDITIONS

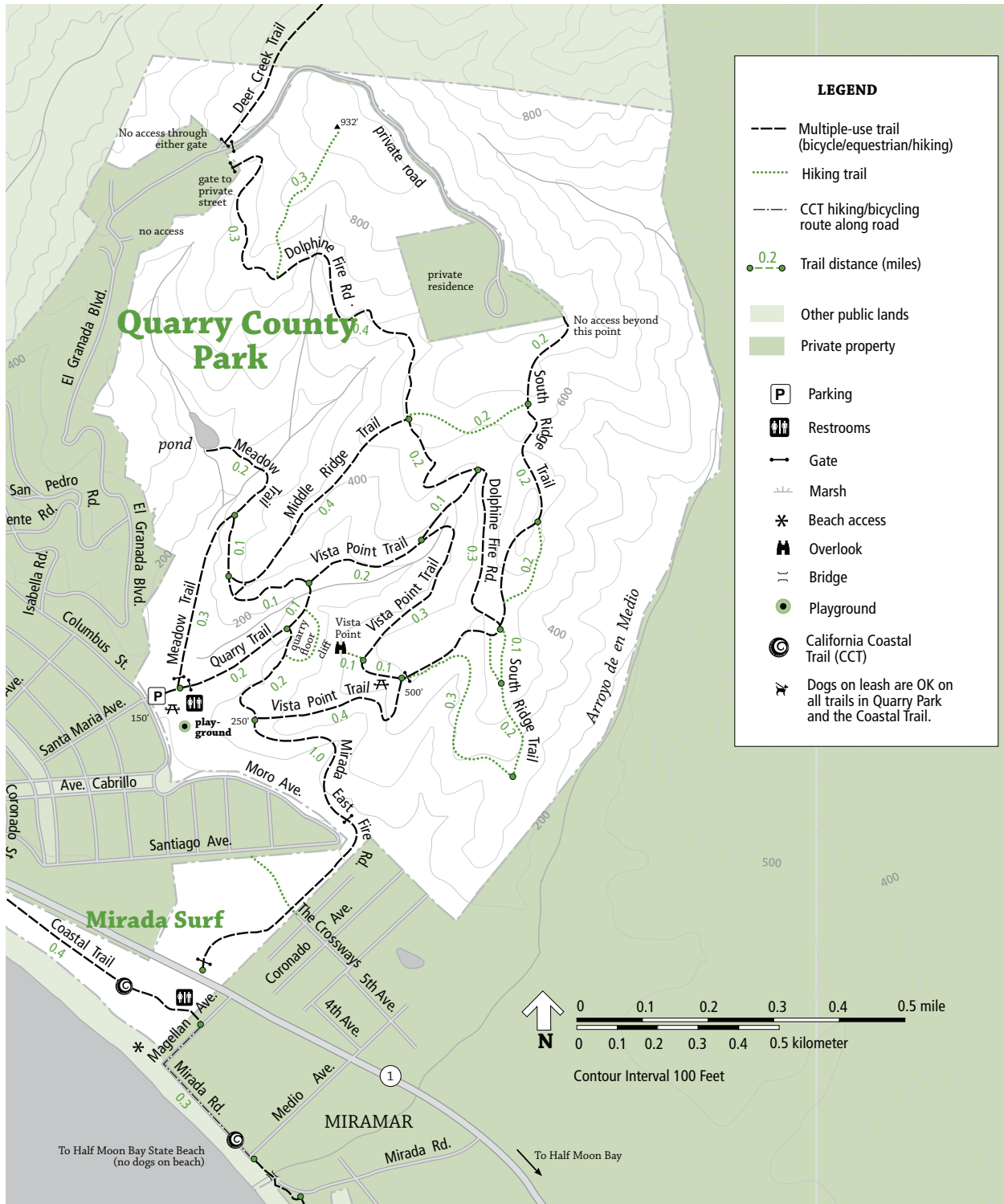


Figure 2-6: Quarry County Park Trail Map, 2016

unique dam/retention reservoir.

It is an approximately one mile hike to get from the Entry Meadow to the Vista Point by way of the Vista Trail. The trail begins as a rocky service road that climbs through the Hillsides to culminate at a deck with a panoramic view of the Pacific Ocean.

The California Coastal Trail is being developed along California's spectacular coastline to stretch from Mexico to Oregon. In Mirada Surf West (Coast), a portion of the California Coastal Trail meanders along the top of the bluff, providing views of Half Moon Bay and the ocean.

A Multi-Modal Trail on the east side of Highway 1 is planned for construction in the summer of 2022 and will connect to the Mirada Surf East service road/trail and to the extensive trail system in Quarry County Park. The trail will connect from the east side trail in the City of Half Moon Bay to both Granada Elementary School and Coronado Ave.

At public workshops, safety concerns were raised about the potential for there to be use conflicts on some trails, between hikers, hikers with dogs, and mountain bikers. Mountain bikers riding the downhill trails travel at considerable speed. When hikers are using the trails at the same time, there are potential conflict and safety issues with both uses on the trail simultaneously.

There are safety and erosion issues with the mountain bike trails that have been built throughout the park. Some of these trails cross or merge with existing trails in an unsafe manner, which creates potential areas of conflict between unaware hikers and mountain bikers. The Quarry Park Mountain Bike Trail Design Standards will be incorporated into this Master Plan upon adoption at a later date and will guide Park Staff in improving or decommissioning trails for mountain bike use.

Dog access on trails is a priority for the community.



Trails on the Hillsides

Prior to County ownership and management of Quarry County Park, dogs were allowed in the park and off-leash in much of the acreage - this was a much enjoyed park use. As a result of the growing demand for access to more park lands for dogs, the Parks Department will launch an off-leash dog pilot program at Quarry County Park.

The South Ridge Trail/Fire Access Road, developed to complete a fire access loop connection and recommended by CalFire, is anticipated to be constructed in Fiscal Year 2022/23.

The evaluation of the existing trail system revealed numerous challenges, including chronic erosion associated with poorly constructed legacy roads and deferred maintenance. Pacific Watershed Associates (PWA) inventoried and evaluated over 13 miles of trails through the park, cataloging if vehicle or pedestrian access is accommodated, condition, and appropriate remediation for potential erosion and sediment control. The entire evaluation report is available in Appendix B.

See Chapter 5, Implementation Efforts (2018-2022) section for more about the updates to trails.

VISITOR FACILITIES & AMENITIES

Beyond the extensive multi-use and hiking trail network, Quarry County Park provides several family-friendly facilities, including a play area and tree house, drop-in picnic area with barbecues, a community garden, a restroom, book share, overlook deck, event space, and an open grassy meadow. Most of Quarry County Park's facilities and amenities are clustered in the Entry Meadow. See Figure 2-7 for a map of the Entry Meadow.

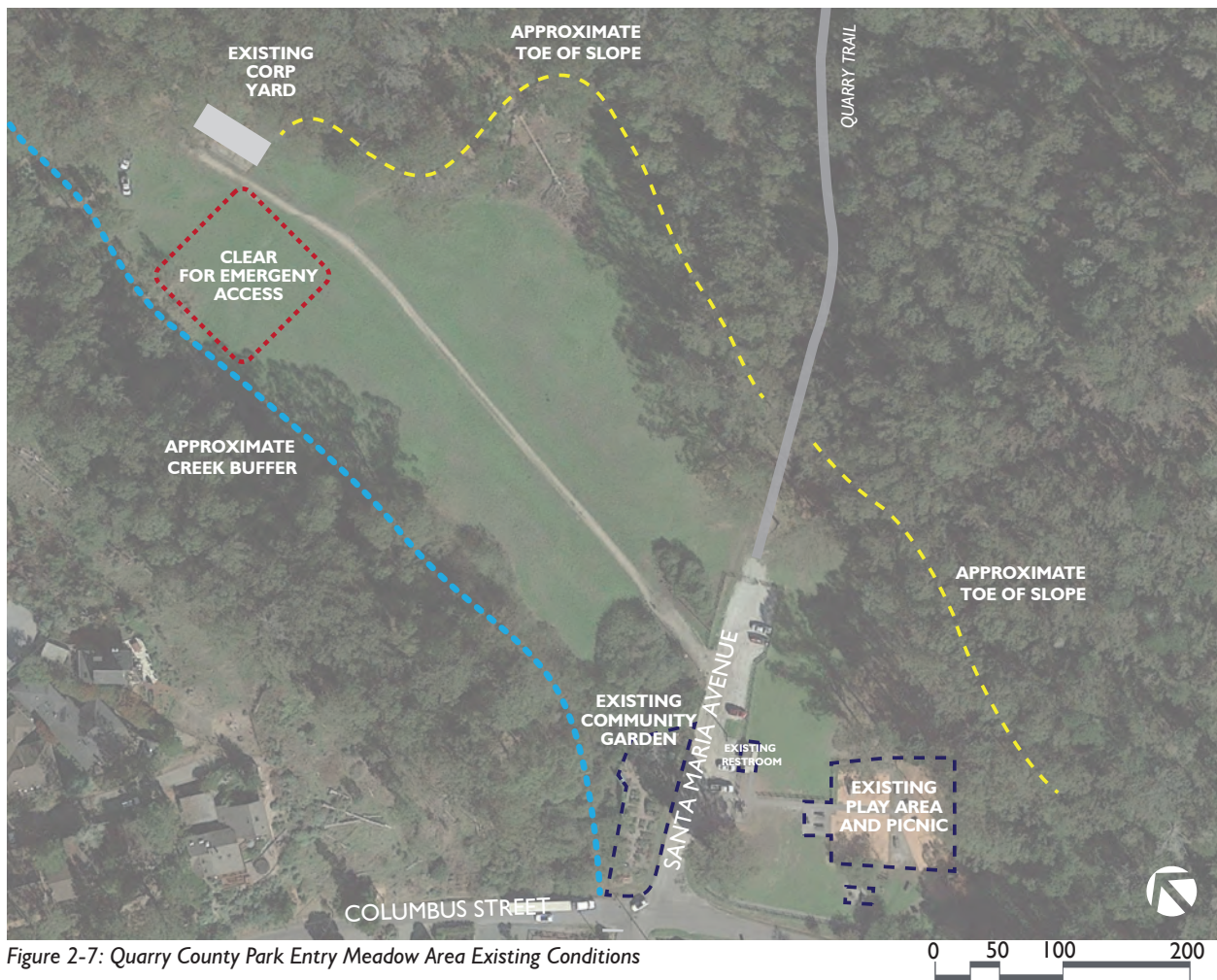
PARKING

Parking for 20 vehicles is available in a gravel lot,

accessed at the intersection of Santa Maria Avenue and Columbus Street.

PLAY AREA

The play area consists of multiple play elements, including swing, climbing structures, and a playground. The play area is accessed by a concrete path. The playground is in good condition. As play equipment condition deteriorates and the equipment is modified or replaced, an all abilities playground will be considered and the work shall follow County standards.



PICNIC AREA

The picnic area provides small clusters of picnic tables and barbecues available on a first-come, first-served basis. Some are accessed via a concrete path while others are placed within the grass. They are located near Columbus Street and surround the play areas and tree house.

TREE HOUSE

The tree house has a deck around the base of the tree, is an icon of Quarry County Park and overlooks the play area and picnic areas.

RESTROOM

The public restroom is a single room pit toilet. It is immediately adjacent to the parking lot.

RESTROOM

The public restroom is a single room pit toilet. It is immediately adjacent to the parking lot.

COMMUNITY GARDEN

The community garden, adjacent to the parking lot, was established in 2009. It is managed by volunteers with no written agreement with the County concerning responsibilities or expectations. Water is provided by the County.

PUMP TRACK

A pump track was identified by the public as a top priority during this Master Planning process. The pump track has been funded, designed and will be constructed in Spring 2022.

DOG POLICY

Dog access in San Mateo County Parks and Recreation Areas is regulated by Chapter 3.68 of Title 3 of the San Mateo County Ordinance Code.

A Dog Management Committee was formed in Spring 2016 to advise the San Mateo Parks



Picnic Area with play elements in the Entry Meadow



Play areas and tree house in the Entry Meadow

and Recreation Commission on revising dog management policies. Using the Committee’s recommendations regarding dog access as a guide, the Parks Department adopted recommendations from the Committee in Fall 2017 and the Board of Supervisors adopted amendments to the County Ordinance Code in Fall 2018.

The following provisions of the County Ordinance Code (County Parks and Recreation Area Rules) pertain to dogs permitted in specified parks, including Quarry County Park (3.68.180):

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Community Garden



Looking towards the Corporation Yard from the Parking Lot



Labyrinth in the Quarry Floor

- Dogs are only allowed in designated and signed areas
- No more than 3 dogs per person
- All dogs must be licensed and wearing a collar and license tag
- Dogs on leash must be restrained by a leash no more than 16 feet in length and 6 feet when encountering others
- Dogs must stay on designated and signed trails
- All dog waste must be cleaned and disposed of or removed from the park
- Violators are subject to an infraction

During the initial six months after the ordinance's effective date (Ord. 04805, § 2, December 6, 2018), the Parks Department conducted an education campaign in which it handed out notices (not citations) to people violating the ordinance.

Additionally, the Board of Supervisors directed the Parks Department to develop:

- a recommendation for a pilot program that would expand on-leash dog access opportunities, and
- a recommendation for an off-leash dog access pilot program.

See Chapter 5, Implementation Efforts (2018-2022) section for more about the Dog Access Policy and the current status in Quarry County Park.

QUARRY FLOOR

The Quarry Floor creates a natural amphitheater, and has a labyrinth constructed by park visitors on the quarry floor.

NATURAL RESOURCE MANAGEMENT

EROSION & SEDIMENT MANAGEMENT

The acquisition of the Wicklow property provided the County with a great opportunity to protect, stabilize, enhance, and restore the existing natural features and processes. Infrastructure, access, facilities, and safety for staff and visitors to Quarry County Park have also been improved.

Past activities, which occurred prior to the County's ownership and management of the park, have created erosion and sedimentation issues, and have impacted natural physical features and processes. Such past activities include, but are not limited to:

1. constructing roads/trails improperly.
2. harvesting natural resources (trees, water, soil, and rock).
3. constructing/installing infrastructure to extract, impound, and/or divert surface waters and groundwater.
4. significantly altering the native plant communities' composition, diversity, and characteristics.

Deferred maintenance and poorly designed reservoir, infrastructure and roads and planted Eucalyptus trees have contributed to legacy issues in the park. Erosion has caused damage to roads and trails. Past installation of rough cut bulldozer roads has resulted in significant erosion and sediment issues. Poorly designed infrastructure features impact the park and downstream properties, as discussed in the earlier Location & History section of this chapter.

Land use and management activities by adjacent and upslope landowners have also impacted the



Hillslope gully



Quarry wall erosion



Bluff erosion

CHAPTER 2 | CONTEXT AND EXISTING CONDITIONS



Reservoir and Earthen Dam



Entry Meadow

park. Stormwater run-off into park lands from private property owners has increased erosion. Dumping on park lands occurs.

Pacific Watershed Associates (PWA) performed an extensive field inspection and analysis of the existing roads, trails, dam and reservoir in need of treatment, as well as developed recommendations for treatment of each feature and prioritization of the treatment immediacy.

Construction and use of unauthorized trails have caused erosion and damage to the hillsides. Unauthorized mountain bike trails have been constructed by the public without review or permission. As a result of an increase in interest in mountain bike trails, mountain bike design standards unique to Quarry County Park will be developed and added as an appendix to the Final Quarry County Park Master Plan. These mountain bike standards will be used by staff to evaluate opportunities to improve unauthorized mountain bike trails to be maintained by County Parks, or decommission those trails that cannot be improved to meet the standards.

See Chapter 5, Implementation Efforts (2018-2022) section for more about erosion and sediment management projects in Quarry County Park.

WILDFIRE THREAT MANAGEMENT

Quarry County Park’s dense eucalyptus groves, proximity to neighborhoods, and steep terrain increase risks associated with wildfires. As a result of the CZU Lightning Complex Fire, the Parks Department developed its Five-Year Fuel Management Program. Focused on forest health and communities, the project improves forest resiliency to reduce wildfire risks. Over 1,830 acres were identified across the County, utilizing a fourteen-point criteria matrix to identify and rank high-threat areas. See Chapter 5, Implementation Efforts (2018-2022) section for more information and actions undertaken in Quarry Park by the



Non-Native Annual Grasses

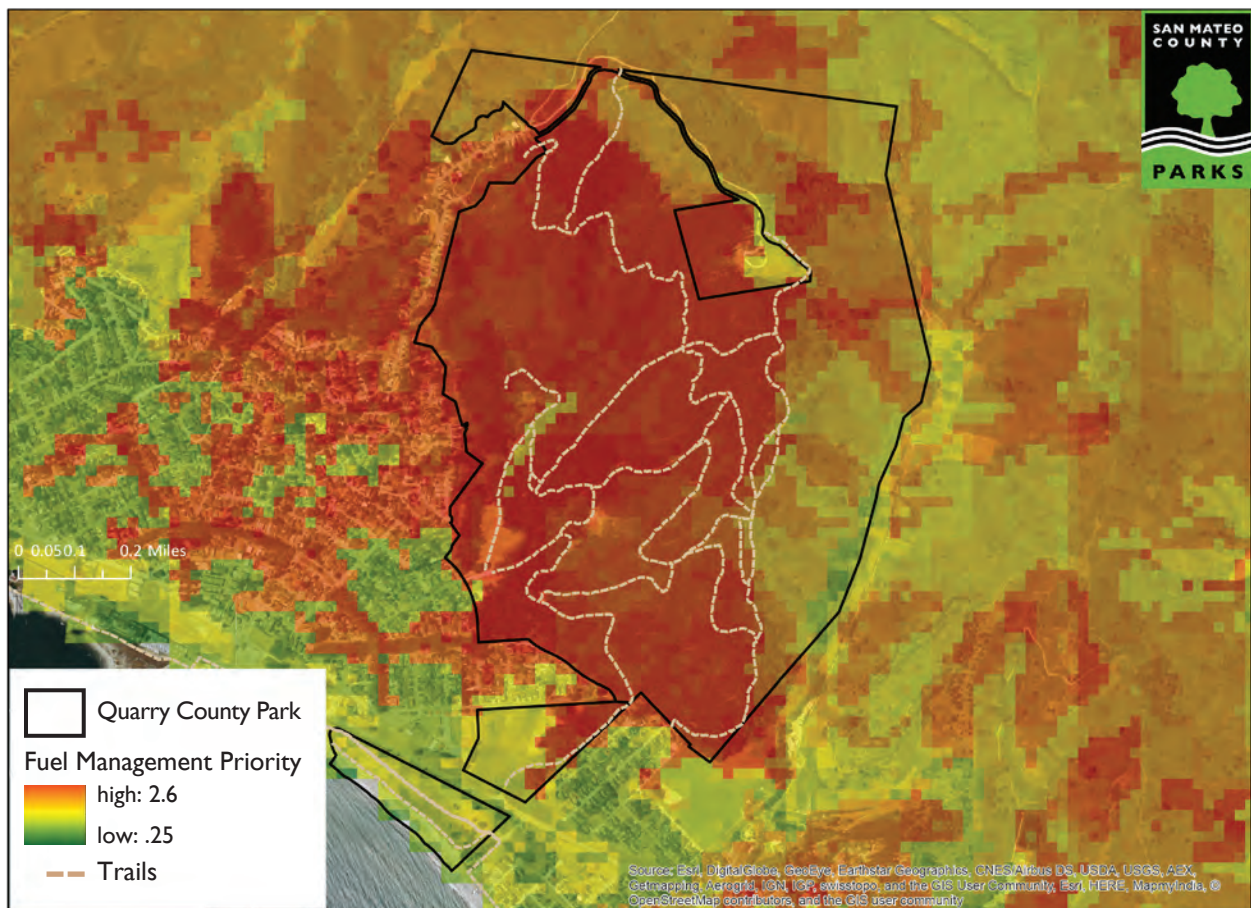
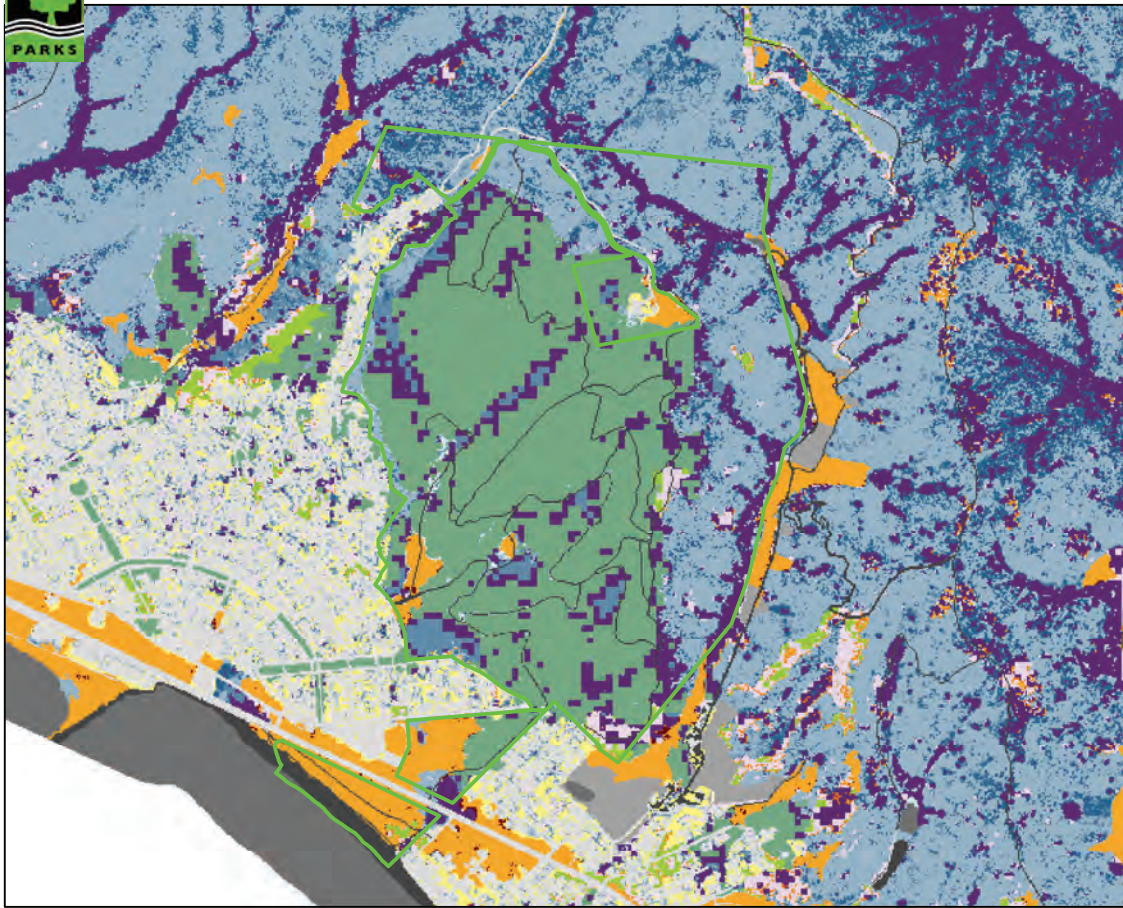


Figure 2-8: Quarry County Park Fuel Management Prioritization (Source: San Mateo County Parks Dept)



Quarry County Park: Fuel Type Classifications



Legend

Park Boundaries

Fuel Model Classifications

- GR1: Grass is short, patchy. Spread rate moderate, flame length low.
- GR2: Moderately coarse continuous grass, average depth about 1 foot. Spread rate high, flame length moderate.
- GR4: Moderately coarse continuous grass, average depth about 2 feet. Spread rate very high, flame length high.

- GS1: Grass-shrub. Shrubs are about 1 foot high, low grass load. Spread rate moderate, flame length low.
- GS2: Grass-shrub. Shrubs 1-3 foot high, moderate grass load. Spread rate high, flame length moderate
- NB1: Urban or suburban development
- NB3: Agricultural Field
- NB8: Open Water
- NB9: Bare Ground

- SH1: Low shrub fuel load, fuelbed depth about 1 foot; some grass may be present. Spread rate very low, flame length very low.
- SH2: Moderate fuel load (higher than SH1), depth about 1 foot, no grass fuel present. Spread rate low; flame length low.
- SH5: Heavy shrub load, depth 4 to 6 feet. Spread rate very high; flame length very high.

- SH7: Very heavy shrub load, depth 4 to 6 feet. Spread rate lower than SH5, but flame length similar.
- TL1: Light to moderate load, fuels 1 to 2 inches deep. Spread rate very low; flame length very low.
- TL2: Low load, compact. Spread rate very low; flame length very low.
- TL3: Moderate load conifer litter. Spread rate very low; flame length low.

- TL5: High load conifer litter; light slash or mortality fuel. Spread rate low, flame length low.
- TL6: Moderate load, less compact. Spread rate moderate; flame length low.
- TL8: moderate load and compactness may include small amount of herbaceous load. Spread rate moderate; flame length low.

- TU1: Timber-Understory. Fuelbed is low load of grass and/or shrub with litter. Spread rate low; flame length low.
- TU4: Timber-Understory. Fuelbed is short conifer trees with grass or moss understory. Spread rate moderate; flame length moderate.
- TU5: Timber-Understory. Fuelbed is high load conifer litter with shrub understory. Spread rate moderate, flame length moderate.

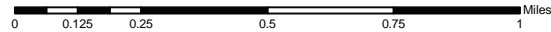


Figure 2-9: Quarry County Park Fuel Type Classifications (Source: San Mateo County Parks Dept)

County.

The San Mateo County Parks Strategic Plan (2013) includes a goal (Goal 10) to reduce fire risk and meet safety and regulatory standards for vegetation management fuel load. Following consultation with CalFire, County Parks strategy has been to create shaded fuel breaks throughout Quarry County Park, and reduce under-story vegetation density for wildfire reduction. Also removed have been dead or dying trees, or trees at risk of falling. Native vegetation present would be allowed to regrow on its own time scale.

The San Mateo County Parks Fuel and Fire Management Report (2016) characterized portions of Quarry County Park as High Fuel Management Priority areas. Mitigating the threat of wildfire to residents of El Granada is a top priority for the Parks Department. County Parks hired a Wildfire Fuel Reduction contractor to assist this effort. CalFire has been engaged for regular consultations, to determine strategies to reduce wildfire risk, which they had not been prior to the development of this Master Plan.

From 2018 to 2022, County Parks will have created 94 acres of shaded fuel breaks. Between 2022 and 2025, 108 acres of shaded fuel breaks are anticipated and 12 acres of eucalyptus will be completely removed. County Parks is committed to maintaining all treated areas at Quarry County Park up to 5 years to ensure success.

See Chapter 5, Implementation Efforts (2018-2022) section for more about wildfire threat management evaluation and fuel mitigation projects in Quarry County Park.



High fuel mgmt priority with dense young trees and ladder fuel

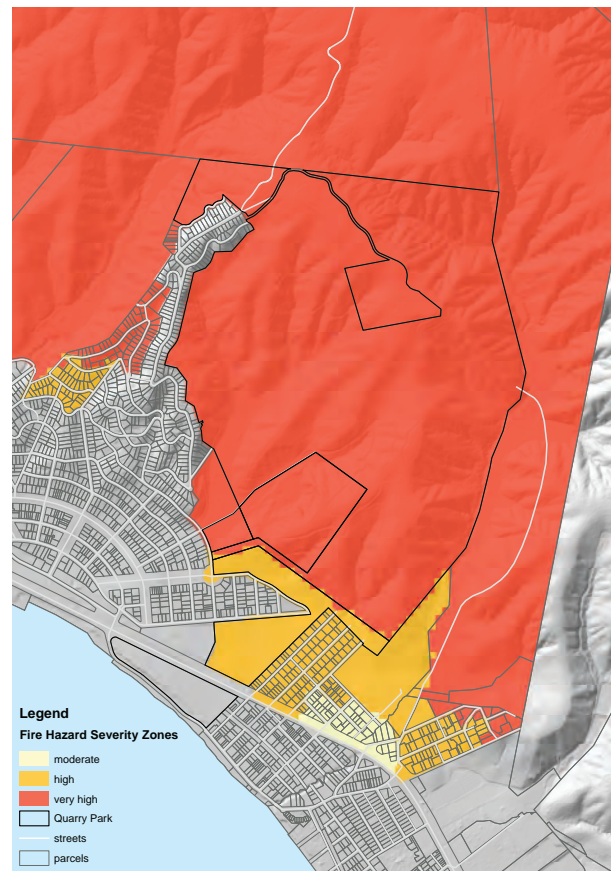


Figure 2-10: San Mateo County Fire Hazard Severity Zones Map (Source: CalFire)

CHAPTER 2 | CONTEXT AND EXISTING CONDITIONS

HABITAT PROTECTION & MANAGEMENT

A Biological Resources Assessment (“BRA”) report was prepared for the Master Plan by WRA Environmental Consultants, to evaluate wildlife habitat within Quarry County Park and includes several non-native and native biological communities.

Non-native communities include Eucalyptus grove, developed areas, Monterey cypress stands, Monterey pine stands, non-native annual grassland, and northern coastal scrub. Seven native environmentally sensitive areas occur within the Study Area: beaches; central coast arroyo willow, riparian scrub; ephemeral, intermittent, and perennial streams; perennial ponds; and potential seasonal wetlands.

Quarry County Park’s biological communities are shown on Figure 2-11, which also identifies the areas characterized as “sensitive biological communities.”

Sensitive biological communities include habitats that fulfill special functions or have special values, such as wetlands, streams, and riparian habitat, as well as habitats that host listed species or are considered rare. Sensitive biological communities are defined as



Northern coastal scrub

those communities that are given special protection under the California Environmental Quality Act (CEQA) and other applicable federal, state, and local laws, regulations, and ordinances, including the California Department of Fish and Wildlife, California Coastal Commission, and the San Mateo County Local Coastal Program and Land Use Plan. Figure 2-11 also indicates buffer zones required to protect Environmentally Sensitive Habitat Areas, such as riparian corridors and wetlands.

In addition to identifying sensitive habitat areas, the BRA identifies special-status species of plants and animals that are present or have high to moderate potential to be found in Quarry County Park. Seven special-status plant species were determined to have a high to moderate potential to occur in the Study Area, such as bent-flowered fiddleneck (*Amsinckia lunaris*); western leatherwood (*Dirca occidentalis*); Marin checker lily (*Fritillaria lanceolata* var. *tristullis*); perennial goldfields (*Lasthenia Californica* ssp. *macrantha*); San Mateo tree lupine (*Lupinus arboreus* var. *eximius*); Oregon polemonium (*Polemonium carneum*); and Hickman’s cinquefoil (*Potentilla hickmanii*).

Prior to any project construction work, protocol-level rare plant surveys are recommended during appropriate blooming periods for species determined to have potential to occur including bent-flowered fiddleneck, western leatherwood, Marin checker lily, perennial goldfields, San Mateo tree lupine, Oregon polemonium, and Hickman’s cinquefoil. If the presence of any special-status plant species is confirmed during surveys, buffers or mitigation may be required.

Of the special-status wildlife species, three were present and seven were determined to have

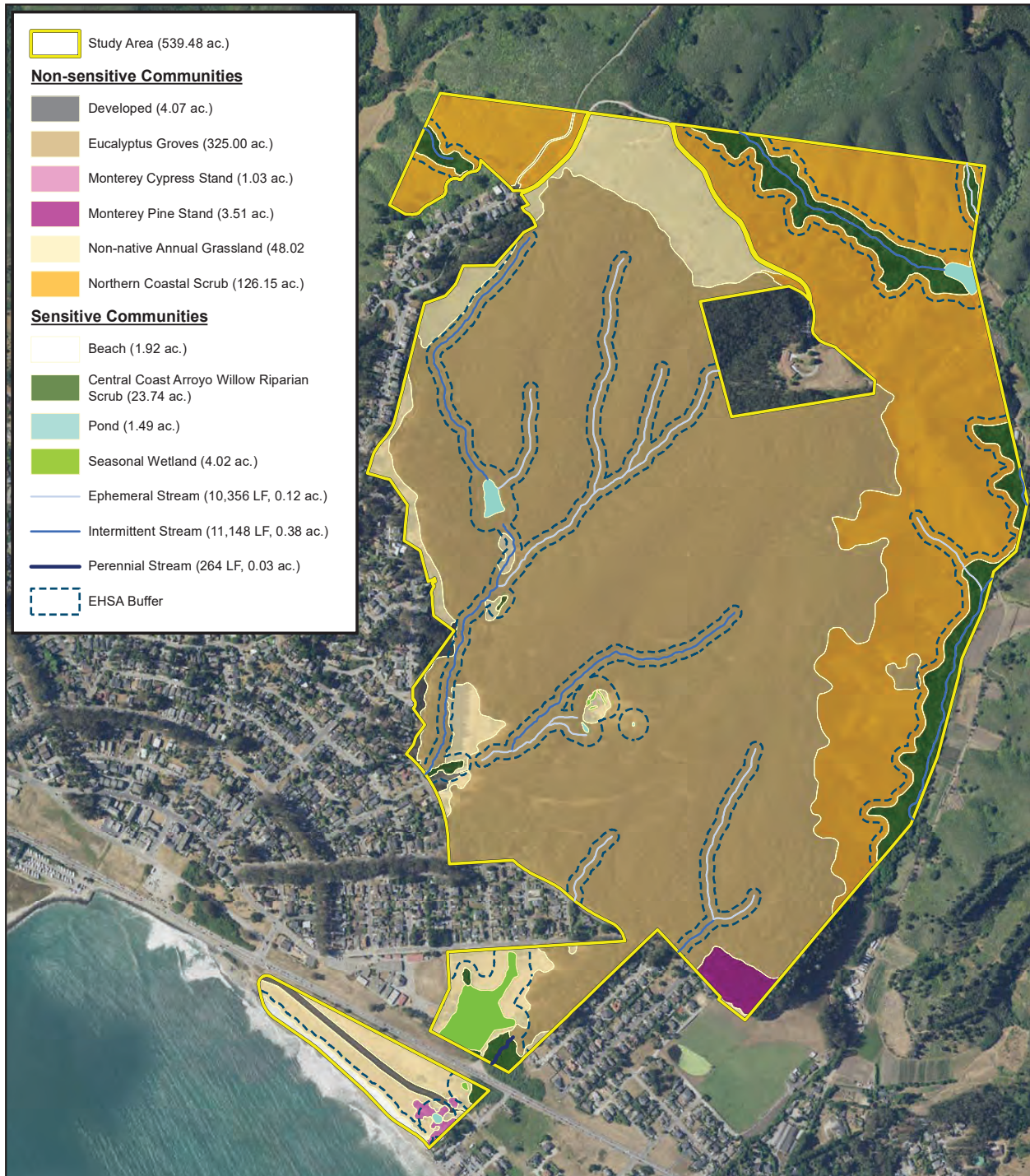


Figure 2-11: Biological Communities (Source: WRA Environmental Consultants)

CHAPTER 2 | CONTEXT AND EXISTING CONDITIONS

potential to occur within the park. Nests of San Francisco dusky-footed woodrat were observed in various forested habitats (e.g., riparian, willow and blue gum). Maintenance and operations activities occurring within 75 feet of woodrat nests should be modified whenever possible to avoid impacts.

Two special-status bird species have been observed onsite: burrowing owl and Allen's hummingbird. These species can use a variety of habitats within the park including northern coastal scrub and blue gum grove. Three other special-status bird species have potential to nest within the park. Both white-tailed kites and olive-sided flycatchers' nest in vegetation ranging from scrub to tall trees such as those occurring throughout Quarry County Park. San Francisco common yellowthroat nesting activity has potential to occur in the willow thicket habitats along Highway 1 at the southeastern edge of the park. Impacts to these special status birds will be minimized by following basic avoidance and minimization measures: initiating work outside of bird nesting season (September 1 - January 31) whenever possible and when project activities must occur during bird nesting season (February 15 - August 31), pre-construction nesting bird surveys should be performed to ensure that any nesting birds have appropriate buffers.

California red-legged frog (CRLF) and San Francisco garter snake (SFGS) are both likely to inhabit upper Arroyo de en Medio within the park. CRLF may also inhabit reservoirs and streams throughout the rest of the park, but SFGS is unlikely to occur in areas outside of Arroyo de en Medio. Impacts to these species are minimized by following measures including restricting ground disturbing activities to the dry season (April 15 – October 15) or when suitable habitats have sufficiently dried out; training and monitoring construction personnel; and performing surveys before project actions and after

rains for these species. Work areas and staging areas have specific maintenance requirements, and if a CRLF or SFGS is found during pre-construction surveys or during work, all activity would be stopped until the animal leaves the project area.

Two special-status insects may occur, Monarch butterfly and San Francisco tree lupine moth. Monarchs have potential to roost in the park's Eucalyptus groves during the winter. To protect this species, tree removal or trimming should occur between March 16 and September 30. If work must occur at other times, Monarch roosting surveys would be required. San Francisco tree lupine moth was determined to have a moderate potential to occur in areas which tree lupine may be present. The grassland habitat in the park may contain large numbers of tree lupines. As not much is known about this species reproductive biology, no specific avoidance or minimization measures have been identified.

The report describes actions to be taken regarding each of the identified species to protect them.

The complete Biological Resources Assessment Report can be found in Appendix A.

The Parks and Public Works departments have collaborated to create a Routine Maintenance Program Manual, discussed in more detail in Chapter 5, Implementation Efforts (2018-2022) section. While this Master Plan identifies guidelines that should be followed, all projects shall comply with conditions of approval established by project-specific environmental review and permits.

CHAPTER 3 | COMMUNITY OUTREACH



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CHAPTER 3 | COMMUNITY OUTREACH

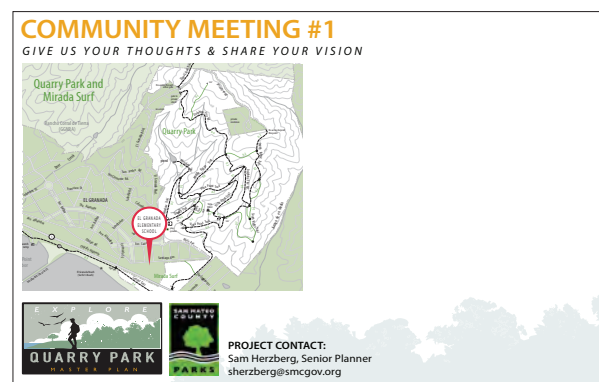
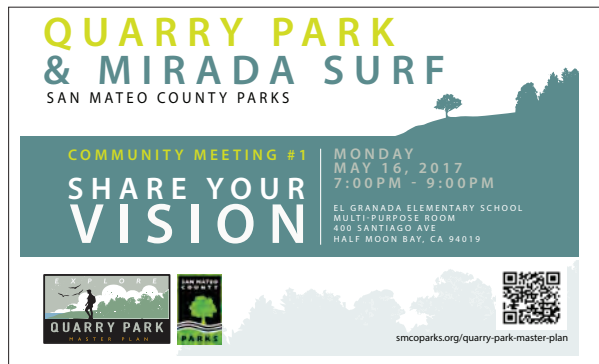
OUTREACH CONTEXT

The planning and outreach process for the Quarry County Park Master Plan was built on a foundation of goals and desires identified through various past studies, including:

- Midcoast Recreation Needs Assessment (2002)
- Midcoast Action Plan for Parks and Recreation (2007)
- Granada Community Services District and Park & Recreation Facility Priorities (2016)
- San Mateo County Visitor Use/Non-use Survey (2016)

Through a review of these past studies and surveys, consistent usage themes for Quarry County Park were identified, including priorities for hiking, dog walking, mountain biking, picnic areas, and playgrounds. These initial themes helped to provide a baseline to build from for the subsequent outreach efforts.





Workshop postcard

GETTING THE WORD OUT

Since project initiation, community input was identified as a critical component to the development of the Quarry County Park Master Plan. To encourage robust participation and engagement, increase project awareness, and provide multiple avenues for community input, the County utilized a variety of methods to reach out to the community. The advertising methodology for all outreach efforts included:

- The Midcoast Community Council and Granada Community Services District helped disseminate information about public meetings and online surveys
- Mailing postcards to adjacent property owners and residents
- Placing flyers around town and at the park
- Creating a project page on the County website
- Using email addresses collected at Community Workshops and on the County’s project web page
- Publishing articles in local press
- Placing social media posts on Facebook & Nextdoor



Project website

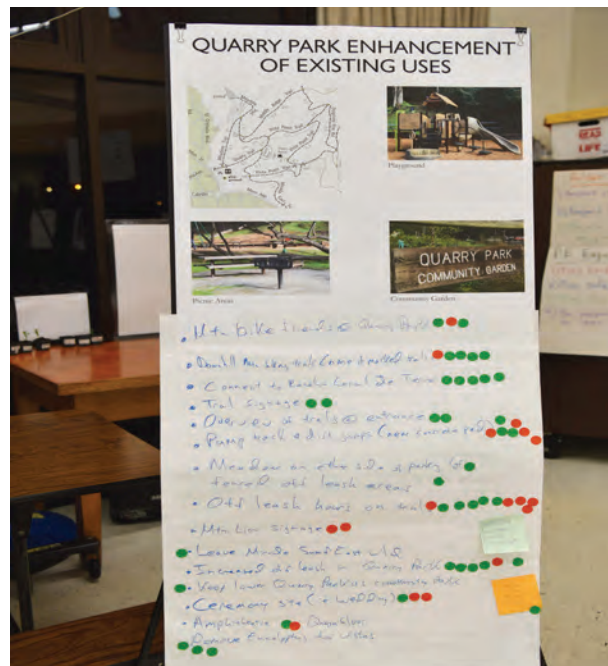
COMMUNITY PARTICIPATION

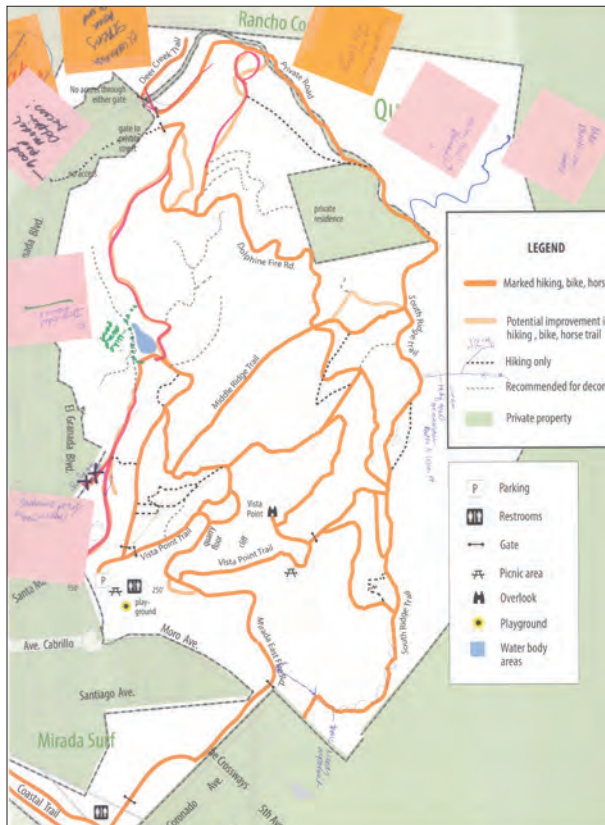
Through a series of community workshops, an online survey, and email correspondence with the County, the community provided valuable insights into the history, resources, desires, and opportunities of this unique park unit.

Five well-attended Community Workshops were held to solicit community feedback at various project milestones.

- Community Workshop #1: “What Do We Need?” held May 16, 2017
- Community Workshop #2: “What Works For Us?” held July 25, 2017
- On-Site Community Workshop #3: “Open House,” held September 23, 2017
- Community Workshop #4: “Refine the Vision,” held October 3, 2017
- Community Workshop #5: “Reviewing Recommendations and Preferred Alternatives,” held April 24, 2018

A detailed summary of each Community Workshop is in Appendix D.





COMMUNITY WORKSHOP #1

The first Community Workshop was held on May 16, 2017 at El Granada Elementary School, with a focus question of, “What do we need?” Approximately thirty-five (35) participants provided user-specific insights on the existing park facilities and a range of potential desired new uses and amenities.

The workshop included breakout stations, providing opportunities for more in-depth participant feedback on the trails network, existing and potential uses, and for review of the technical studies completed to date.

Community feedback from this first workshop helped to inform and focus questions prepared for the subsequent online survey, such as level of interest in designated trails for mountain biking, dog access, and a pump track, as well as concerns regarding drainage and erosion, wildfire threat to the neighboring community, and native habitat restoration.



ONLINE SURVEY

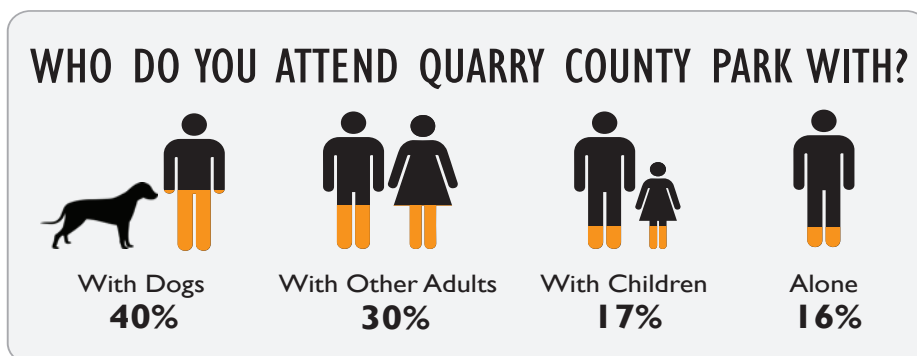
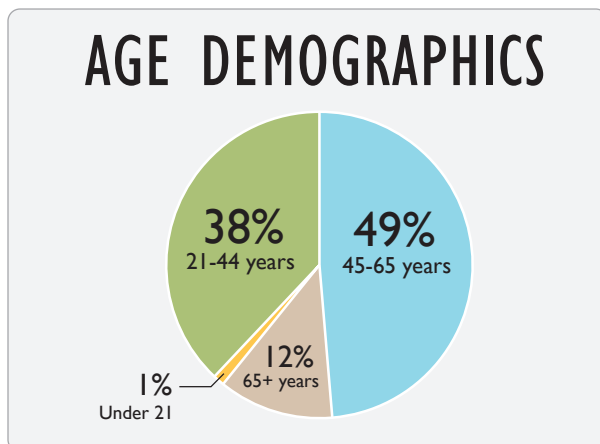
Input from Community Workshop #1 was supplemented by an online survey conducted in June and July 2017, which sought additional input on potential desired uses, management, and priorities for future improvements. The survey opened on June 12, 2017 and was open for a thirty-seven days. A total of 235 survey participants shared their insights, with nearly half of respondents between ages forty-five to sixty-five (45-65).

Feedback revealed that trail improvements are highly prioritized by the community, with a desire to implement dedicated trails for specific uses like mountain biking or on-leash dog walking, as well as increased connection points to other recreation areas and trails.

Access for dogs was a priority as well - survey respondents ranked a fenced off-leash dog park as the most-desired park amenity, and twenty-five percent (25%) of written comments submitted specifically regarding dog-specific amenities requested off-leash dog trails. Forty percent (40%) of survey respondents said they visit Quarry County Park with their dogs.

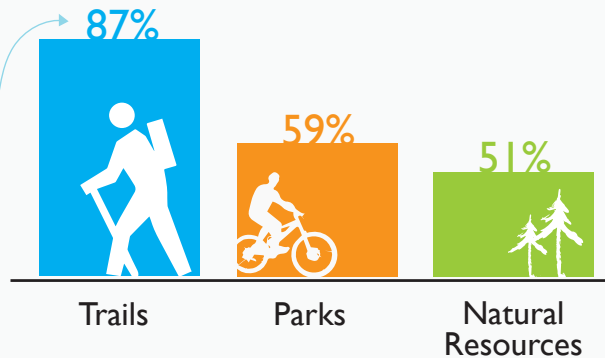
Survey results are graphically illustrated on this page and the following page.

All survey questions and high-level information about the response rates are included following the graphic survey results.



PRIORITY RANKING FOR IMPROVEMENTS

* Percentage of respondents who ranked category as **most or somewhat important** for improvements



PARK IMPROVEMENTS

HOW IMPORTANT ARE THE FOLLOWING POTENTIAL IMPROVEMENTS?



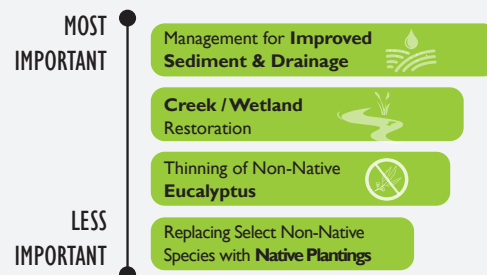
TRAIL IMPROVEMENTS

HOW IMPORTANT ARE THE FOLLOWING POTENTIAL IMPROVEMENTS?



NATURAL RESOURCE MANAGEMENT

HOW IMPORTANT ARE THE FOLLOWING EFFORTS?



Online Survey Questions

Answered Skipped

6. Trail Improvements: Please tell us how important the following trail improvements are to you. Refer to the map when specific park locations are referenced. 192 2

	Very Important	Somewhat Important	Neither Important nor Unimportant	Somewhat Unimportant	Not at all Important
Establish trails for designated uses (examples: mountain biking, on-leash dog walking, equestrian)	61.20%	20.77%	4.92%	4.37%	8.74%
Create connections to Golden Gate National Recreation Area trail system (area A on map)	53.23%	26.34%	9.14%	3.76%	7.53%
Provide trail access into park from end of El Granada Boulevard (area B on map)	36.07%	28.42%	21.86%	6.01%	7.65%
Provide trail access into park from end of Dolphine Avenue (area C on map)	28.89%	30.56%	25.00%	6.11%	9.44%
Show degree of trail difficulty on park signs	22.34%	35.64%	20.74%	10.11%	11.17%
Improve trail along western edge of park (area D on map)	30.90%	37.08%	19.10%	5.62%	7.30%
Establish connection between Mirada E. Fire Road to South Ride Trail (area E on map)	34.08%	37.43%	17.88%	4.47%	6.15%
Add spur hiking trail off South Ridge Trail to potential vista point (area F on map)	26.92%	37.91%	18.13%	7.14%	9.89%
Thin non-native Eucalyptus trees that may block views	30.27%	30.81%	16.76%	4.32%	17.84%

7. Vista Points: Please indicate your preferred vista point locations referencing the Row numbers and Column letters as shown on the map. Provide additional comments in the box below. 79 115

E, 3	26.58% (21)
E, 4	20.25% (16)
E, 5	25.32% (20)
E, 18	39.24% (31)
D, 18	20.25% (16)
G, 20	55.70% (44)

Online Survey Questions

Answered Skipped

8. How important are the following natural resource management activities to you (cost and implementation challenges may impact feasibility). 187 7

	Very Important	Somewhat Important	Neither Important nor Unimportant	Somewhat Unimportant	Not at all Important
Thinning of non-native Eucalyptus for fuel (fire) management	36.76%	33.51%	11.89%	5.41%	12.43%
Selective thinning/removal of non-native species and planting of native species for vegetation/habitat management	23.37%	40.76%	19.57%	3.80%	12.50%
Creek/wetland restoration	39.01%	33.52%	14.29%	5.49%	7.69%
Sensitive species habitat enhancement	29.28%	35.91%	19.89%	4.97%	9.94%
Management for improved sediment and drainage	30.43%	46.74%	13.04%	4.89%	4.89%

9. San Mateo County Parks is developing a dog management policy for all of its parks. Please indicate how important the following aspects of dog access are to you at Quarry Park and Mirada Surf. 186 8

	Very Important	Somewhat Important	Neither Important nor Unimportant	Somewhat Unimportant	Not at all Important
Dogs on-leash (all trails)	51.65%	11.54%	13.19%	7.69%	15.93%
Dogs on-leash (restricted trails)	29.41%	22.94%	15.29%	1.76%	30.59%
Dogs on-leash (restricted hours)	19.64%	13.10%	14.88%	7.14%	45.24%
Dogs off-leash in fenced area, dogs separated by small/large size (Quarry Park only)	43.89%	21.67%	13.33%	4.44%	16.67%
Restricted number of dogs per visitor	18.99%	23.46%	19.55%	9.50%	28.49%
No dogs permitted at Quarry Park/Mirada Surf	8.52%	3.98%	9.66%	6.82%	71.02%
Establish a friends support group of dog owners/walkers	16.37%	19.88%	30.41%	7.02%	26.32%

CHAPTER 3 | COMMUNITY OUTREACH

Online Survey Questions	<i>Answered</i>	<i>Skipped</i>
10. Given that there are limited resources with which to make improvements, please rank the following areas in order of most importance to you (1=most important ... 3 =least important).	179	18
	1	2
Park Improvement/additions (see Q:4)	23.17%	36.59%
Trail Improvements (See Q:6)	55.36%	32.14%
Natural Resource Management	21.51%	30.81%
11. Please tell us how you would like to be involved in the future of Quarry Park/ Mirada Surf. Check all that apply.	89	105
Fundraising with San Mateo County Parks Foundation	19.10% (17)	
Volunteer	64.04% (57)	
Volunteer/partner with existing group	41.57% (37)	
Volunteer to form new group with special focus	14.61% (13)	
12. If you want to receive regular updates about Quarry Park/Mirada Surf and/or San Mateo County Parks, please select from the choices below and provide your email contact information.	108	86
Keep me updated about Quarry Park/Mirada Surf news	89.81% (97)	
Keep me updated about San Mateo County Parks	52.78% (57)	

CORRESPONDENCE

Emailed comments were received throughout the project, filled with ideas and preferences for Quarry County Park.

See Appendix D Community Outreach for a full compilation of comments and all alternative options and uses.

“OUR KIDS NEED OPTIONS TO TRULY ENJOY THE AREA... AS MY KIDS HAVE GROWN UP ENJOYING THE PARK, AS TEENAGERS THEY HAVE NOW OUTGROWN THE MORE TOT LOT FEEL. AN UPGRADE FOR OLDER KIDS BENEFITS OUR COMMUNITY IN MANY WAYS, WITH ATTENTION IN KEEPING AN INTEREST FOR ALL AGES.”

“LET THERE BE SOME NATURAL AREAS LEFT”

“USE LOCAL BIKE VOLUNTEERS TO HELP BUILD BIKE TRAILS”

“ENSURE CONNECTIONS TO GGNRA TRAILS”

“BIG TREE HOUSE”

“MORE SIGNS FOR WHICH TRAIL YOU ARE ON”

COMMUNITY WORKSHOP #2

The second Community Workshop was held on July 25, 2017 at El Granada Elementary School, with a focus of “What works for us?” Thirty (30) participants were asked to review three alternative concepts shown below, and to provide input on their priorities for new facilities. After a summary presentation, participants met in smaller focus groups to review the draft trail maps indicating trail types and uses and explore program options for the Quarry County Park Entry Meadow. Trail-specific feedback revealed a high priority for developing a connection to the GGNRA Trail System, while participants most prioritized for the Entry Meadow:

- a pump track
- additional parking
- a dog park



Alternative #1















Alternative #2



Alternative #3



PRIORITY MATRIX: NEW PARK AMENITIES

ACTIVITY			OVERALL RANKING	# OF VOTES PER CATEGORY		
				VERY IMPORTANT	SOMEWHAT IMPORTANT	NOT IMPORTANT
	Pump Track		1	20		
	Fenced Off-Leash Dog Park		2	15		
	Additional Parking		3	11		
	Disc Golf		4	8		
	Bocce Courts		5	5	7	
	Pickleball		6	12		7
?	Other	Horse Shoes Stage Area Horse Access Signage / Wetland Restoration		8 8 7 7		

New facilities desired by community



COMMUNITY WORKSHOP #3

The third Community Workshop was conducted at Quarry County Park in an Open House format on September 23, 2017, with approximately thirty (30) participants in attendance. Various exhibits were utilized to illustrate information and to allow on-site review of the trail plan and alternatives for the Entry Meadow. The less structured format of the workshop provided multiple opportunities for feedback - participants could spend as much time with any exhibit of interest to them, present County staff and consultants available to answer any questions that arose.

Temporary signage was also placed throughout Quarry County Park to show potential locations for items identified earlier in the outreach process, including:

- Additional parking
- Pickleball
- New trail connections to create loops
- Pump track
- Horseshoe pit
- Bocce court
- Fenced off-leash dog area
- Disc golf
- Quarry Floor improvements

The overall trail plan was presented for comment, as were three alternative combinations and configurations of potential uses.



QUARRY PARK & MIRADA SURF MASTER PLAN

JOIN US TO PLAN YOUR PARK

COMMUNITY MEETING # 3

PREVIEW & DISCUSS ALTERNATIVES

SATURDAY
SEPTEMBER 23, 2017
9:00AM - 12:00PM

BOOTH AT QUARRY PARK
SANTA MARIA AVE & COLUMBUS ST
TRAIL SIGNS POSTED THROUGH PARK
EL GRANADA, CA 94019

COMMUNITY MEETING # 4

REFINE PREFERRED PLAN

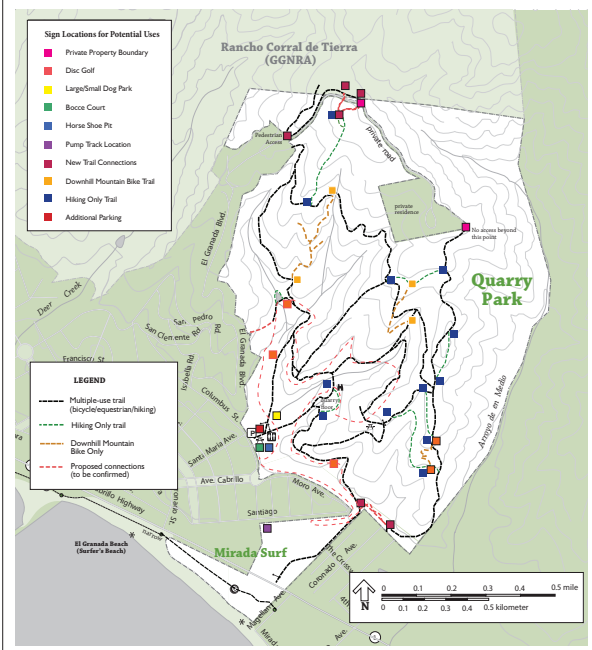
TUESDAY
OCTOBER 3, 2017
7:00PM - 9:00PM

EL GRANADA SCHOOL
MULTI PURPOSE ROOM
400 SANTIAGO AVE
EL GRANADA, CA 94019

PROJECT CONTACT:
Carla Schoof
cschoof@smcgov.org

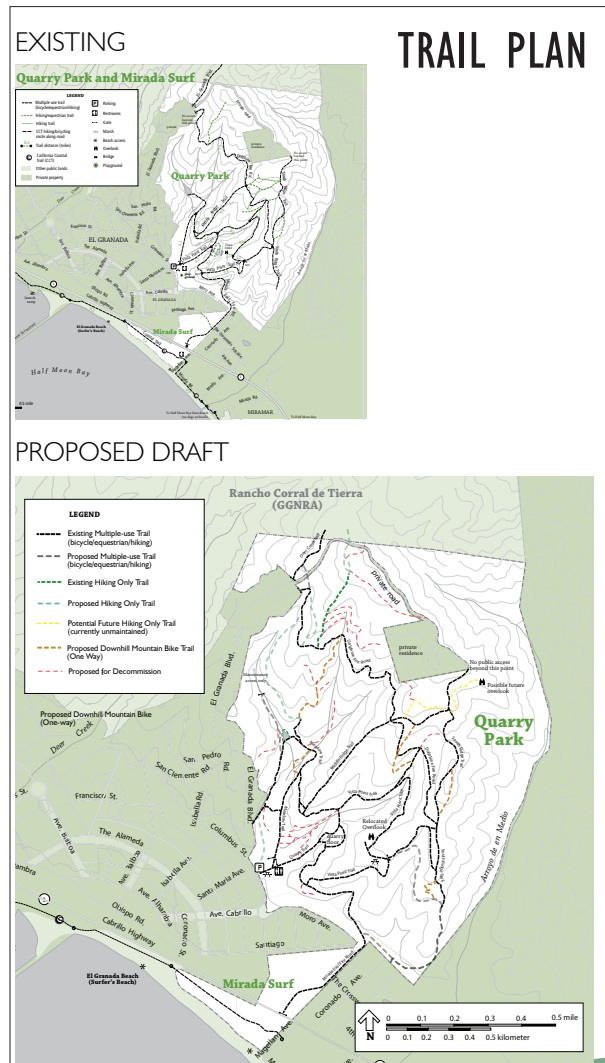
smcparcs.org/quarry-park-master-plan

Signage Location Plan for Potential Uses



CHAPTER 3 | COMMUNITY OUTREACH

Regarding the alternatives, participants showed the most support for Alternative #3, which allocated the largest space for the proposed pump track in the garden side of the meadow, adjacent to the Quarry Trail. Comments regarding the draft trail plan echoed feedback received during the online survey, citing desires for dedicated trails for mountain biking and dog walking. There was also a large amount of support to designate trails for off-leash dogs.



COMMUNITY WORKSHOP #4

The fourth Community Workshop was held at El Granada Elementary School on October 3, 2017, with over one hundred (100) people in attendance. At this workshop, the community provided input about their priorities and clarified their vision for the Quarry County Park Master Plan.

The workshop opened with a summary of the project and feedback to date as well as a presentation of three alternative solutions. It also included a discussion of the pros and cons related to potential new uses in the entry area during the outreach process, including:

- Fenced, off-leash dog area
- Pump track
- Bocce court
- Pickleball
- Disc golf

DESIGN CRITERIA		Meets Criteria: 1 = Not at all 2 = Somewhat 3 = Very Well		
	Level of Impact On a scale of 1-5 1 = low, 5 = high	Alt. 1	Alt. 2	Alt. 3
Criteria Weight				
Preserves natural feel of park	4	2	3	3
Creates a social center	4	3	2	3
Appeals to a broader range of users (multigenerational)	5	3	3	3
Provides family friendly ambience	5	3	2	3
Protects sensitive habitat	5	2	1	2
Retains open meadow/flexible use space	4	1	2	2
Compatible with adjacent park uses	1	2	2	2
Promotes outdoor education; connection to nature	1	2	1	2
Promotes physical activity	2	3	3	3
Attractive to youth – gets kids outside	4	3	3	3
Serves community need (lacking elsewhere)	3	3	3	3
Accommodate dog use	4	3	2	2
Minimize maintenance costs	2	1	1	1
Encourages volunteers / stewardship	3	2	2	2
Minimize noise impacts	2	2	2	2
Minimize vehicle traffic	3	1	1	2
Low construction costs/impact	2	1	1	2
Minimize impact on neighbors	4	2	1	2
Supports trail use	5	3	3	3
Other:				

Example of completed Design Criteria Matrix



CHAPTER 3 | COMMUNITY OUTREACH

The proposed alternatives:

- Alternative #1: Developed the Entry Meadow with an off-leash dog run and pump track
- Alternative #2: Minimized development in Entry Meadow by locating a pump track adjacent to Granada School in a portion of the Wetlands area and eliminated the off-leash dog park.
- Alternative #3: Retained a large pump track area and eliminated the off-leash dog park

Community members broke into small groups to:

- Refine and weight design criteria
- Identify their preferred alternative
- Share ideas

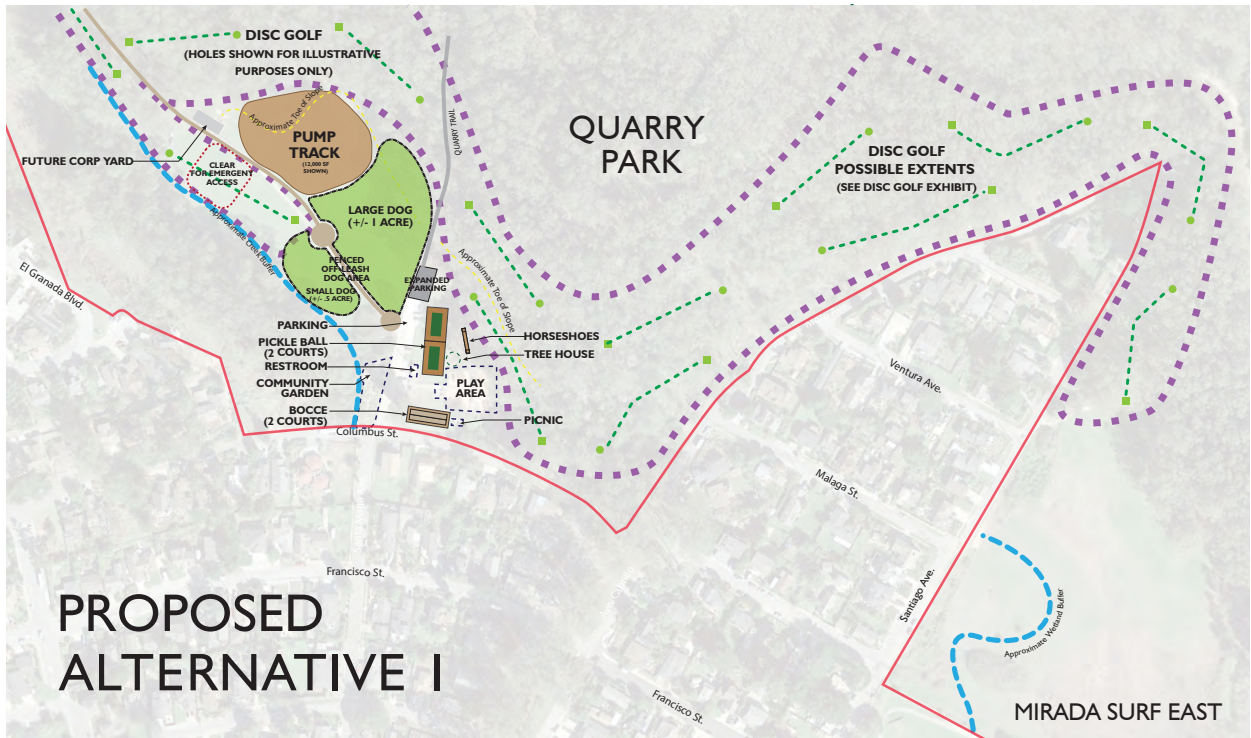
Most participants preferred Alternatives #1 and #3. Community members supported the pump track as a much needed recreational amenity for youth in the El Granada community, although at a smaller scale.

Conversely, participants expressed lack of support for several potential elements:

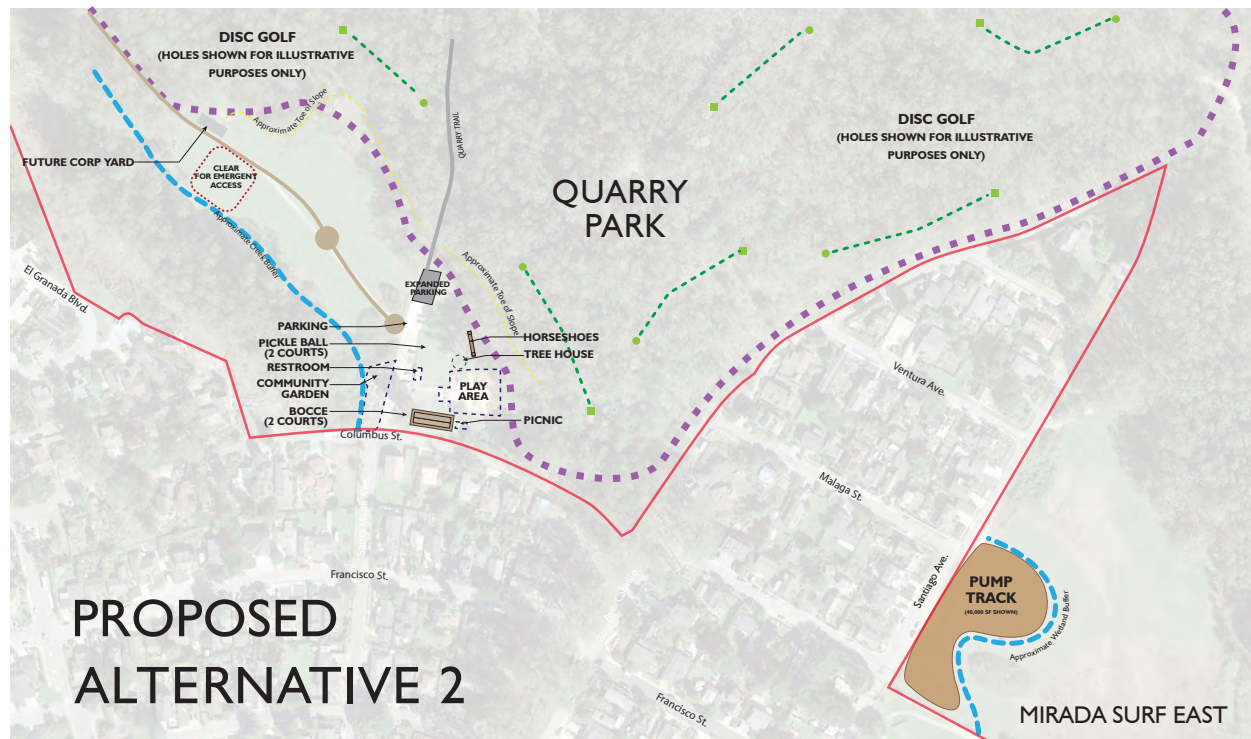
- Pickleball courts were inconsistent with the rural character.
- The fenced off-leash dog area did not satisfy participants' desire to experience the trails accompanied by their dog.
- Several participants did not support the intensification of use at Quarry County Park.

Contact information was collected on sign-in sheets for participants with an interest in supporting or adopting a particular use, such as a pump track or disc golf. Pros and cons of uses were discussed and received comments. For example, while both the pump track and fenced off-leash dog area would serve a community need, both uses require a high level of maintenance and significant construction costs.

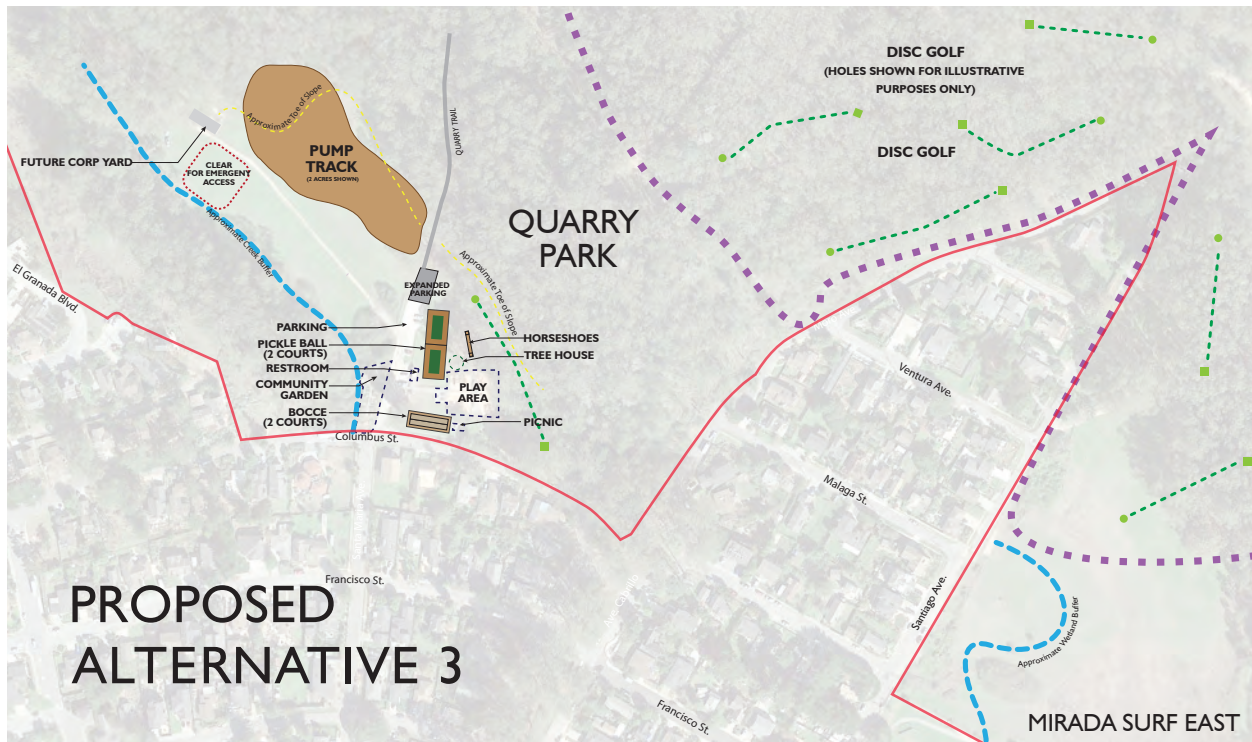




**PROPOSED
ALTERNATIVE 1**



**PROPOSED
ALTERNATIVE 2**



PROPOSED ALTERNATIVE 3

POTENTIAL NEW USES

FENCED OFF-LEASH DOG AREA



PROS

- » Exercise and socialize dogs
- » Social activity for owners, creates “dog owner” community
- » Dog activity contained, dog waste contained
- » Serves community need
- » Reduces conflicts on trails



CONS

- » High maintenance commitment
- » Significant construction costs
- » Waste Management
- » Reduces flexible space in meadow area
- » Increased traffic



COMMUNITY WORKSHOP #5

The fifth Community Workshop, held on April 24, 2018 at El Granada Elementary School, was attended by over sixty-five (65+) people. Workshop participants previewed the preliminary recommendations and preferred alternative for the Quarry County Park Master Plan.


The workshop opened with a presentation of the plan’s preliminary recommendations regarding management of sedimentation and erosion, habitat protection, and wildfire threat. The presentation included a detailed discussion of trail hierarchy (multi-use, hiking, dog access, and mountain biking only), trail decommissioning and vista points.



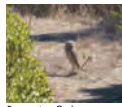
Use options presented at Workshop #5

RECOMMENDATIONS

HABITAT MANAGEMENT




California Mouse




Burrowing Owl

» Preserve and protect species found in the park



Long-Tailed Weasel

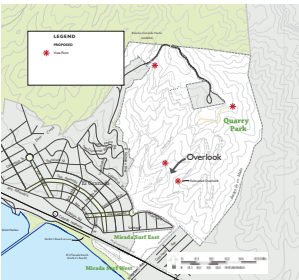


San Francisco Dusky Footed Wood Rat

QUARRY PARK

RECOMMENDATIONS: TRAILS

VISTA POINTS



LEGEND
Vista Point
Overlook

» Move existing overlook for safety reasons
- Could be enhanced for future weddings and special events

» Create new vista points with benches and signage

» Open up views to the ocean where possible

QUARRY PARK

Proposed Plan - Recommendations



QUARRY PARK

Community provided numerous comments



Quarry floor

Recommendations for recreational amenities included expanded play and picnic areas, a small pump track, improvements to the Quarry Floor for small events, and infrastructure improvements for the Entry Meadow.

Participants engaged in a general question and answer session, then engaged in further discussion and feedback in an open house format. Detailed feedback on these workshops can be found in Appendix D Community Outreach.

Participants expressed strong support for habitat protection and wildfire threat mitigation. There was considerable support for a pump track, and some participants expressed interest in disc golf. Most participants felt it was important to continue to provide opportunities for on-leash dog walking on the multi-use trails.

PREFERRED PLAN

PUMP TRACK

» Explore partnership with Granada Community Services District

Workshop presentation slide

OVERARCHING THEMES & PRIORITIES

During all public engagement opportunities during the master plan process, visitors of Quarry County Park indicated satisfaction with the park's existing conditions and amenities. Feedback indicated desires for additional amenities like a pump track and dog-specific features, while preserving the wilderness setting and natural beauty of the site. Specific community priorities that emerged from the public engagement process include:

- **Dog-Friendly Features:** A significant portion (40%) of the community cited that they visit Quarry County Park with their dog. Potential amenities like an off-leash dog park and designated trails for on-leash dog walking were consistently ranked as amongst the most important priorities.
- **Safe Co-use of Trails:** Community members showed strong support for designated trails for multi-use, hiking, or mountain biking.
- **Preservation & Restoration of Natural Resources:** The community values Quarry County Park's rural character and prioritizes efforts to protect and restore existing habitats, mitigate the threat of wildfires, and address drainage and erosion issues for public safety.
- **Local Park Amenities for Youth:** Add amenities geared toward youth use. For example, a pump track, congruent use with rural environment, without augmenting use intensities.

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CHAPTER 4 | GOALS AND RECOMMENDATIONS



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CHAPTER 4 | GOALS AND RECOMMENDATIONS

MASTER PLAN GOALS



Preserve

“Unique environmental” setting



Protect

Environmental systems



Provide

Recreation opportunities



Promote

A sustainable vision

The Master Plan recommendations are organized into three categories: 1) Trail System and Signage, 2) Visitor Facilities and Amenities, and 3) Natural Resource Management. Each category supports these goals, with all recommendations crafted to meet and implement these goals as Quarry County Park continues to serve as a natural recreation environment.

The following broad ideals emerged during the Quarry County Park Master Plan process:

- Address deferred maintenance and inherited infrastructure challenges to protect resources, mitigate the threat of wildfires in El Granada, decrease erosion and sedimentation, and improve habitat value.
- Preserve the unique open space environment.
- Ensure that the permitted uses and quality of improvements are consistent with Parks Department policies and best practices.
- During the public process, no recreational improvements other than the pump track, future improvements to playgrounds, picnic areas, dog and mountain bike access on trails, were desired.
- Concentrate active uses in the already developed Entry Meadow. New uses should be compatible with existing setting.
- Expand services and allowed uses to meet the recreational desires expressed by the community.

RECOMMENDATION CATEGORIES

1. TRAIL SYSTEM & SIGNAGE



TRAILS

Provide a clear, hierarchical and integrated network of multi-use and single-use trails for users, emergency respondents, and park maintenance. Quarry County Park's trail system should provide a variety of experiences for a diverse user group.

SIGNAGE

Develop a wayfinding signage system to support trail system use. Educate all trail users about trail etiquette.

2. VISITOR FACILITIES & AMENITIES



EXISTING USES & AMENITIES

Improve and expand existing park uses and amenities to better meet the needs of the community.

POTENTIAL NEW USES

Expand the program of uses (on and off-leash dogs on trails, mountain bikes, and pump track) to support visitors by introducing new uses and amenities that meet the changing needs of the public.

3. NATURAL RESOURCE MANAGEMENT



EROSION & SEDIMENT MANAGEMENT

Implement Routine Maintenance Manual best management practices for improved erosion and sediment control.

WILDFIRE THREAT MANAGEMENT

Mitigate the threat of wildfire by reducing fire fuels, managing existing resources, and expanding first responders' ability to access park resources.

HABITAT PROTECTION & ENHANCEMENT

Protect existing Environmentally Sensitive Habitat Areas and restore riparian areas.

I. TRAIL SYSTEM & SIGNAGE RECOMMENDATIONS



A strategic goal of the San Mateo County Parks Department is to maintain trails to ensure that they are open, accessible, and safe.

See Chapter 5, Implementation Efforts (2018-2022) section that have occurred since the Master Plan recommendations were presented to the public.

There are several considerations in prioritizing improvements to the trail system, including importance of:

- Providing visitors with a safe, welcoming and enjoyable outdoor experience
- Expanding uses allowed to meet the evolving needs of the public
- Protecting natural resources
- Controlling impacts of sediment/drainage
- Enhancing recreation value of trail system by creating loops and connections



Trail from Highway 1 through the Wetlands to Quarry County Park
Source: Google Earth Pro. 2016



CHAPTER 4 | GOALS AND RECOMMENDATIONS



Eroding trail at the Mirada Surf West (Coast)



Access through the Entry Meadow



Paved multi-use trail at Mirada Surf West (Coast)

- Providing park maintenance and emergency vehicle access

The community expressed significant interest in the development of a comprehensive signage system at Quarry County Park to clarify rules and gain voluntary compliance, encourage use of the trail system, and provide interpretive information about the park's unique resources. The County Strategic Plan identifies several strategies for the development of a signage plan.

The following recommendations are provided to create a sustainable, maintainable trail system that meets community needs.

RECOMMENDATIONS:

OVERALL TRAIL SYSTEM (FIGURE 4-1):

- Provide a hierarchical trail network which includes multi-use trails accommodating hiking, mountain biking, dog access, and equestrian use on existing service roads; and hiking (with and without dogs) only trails and mountain bike only trails per applicable design and management guidelines set forth in the PWA's Erosion and Sediment Assessment, a Quarry County Park Mountain Bike Trail Design Standards, and other applicable County Parks Department standards.
- Address sediment and erosion through a routine maintenance program for roads and trails using applicable best management practices and guidelines, and decommission trails studied and recommended by PWA to reduce erosion and sediment impacts.
- Facilitate use of the trail network through wayfinding signage.
- Decommission unauthorized and poorly constructed roads and trails that do not meet design standards. See Decommissioned Trails section for more details.

MULTI-USE TRAILS (FIGURE 4-2):

- Improve multi-use trails, per PWA report results, to facilitate park maintenance and emergency vehicle access.
- Improve regional trail connections to GGNRA lands and the Multi-Modal Trail.
- Where feasible, service roads that also serve as multi-use trails should be developed to CalFire standards depending on the slope, soils, and drainage of the location.
- Extend multi-use trail on the west edge of the reservoir to facilitate maintenance access.
- Where space permits, provide seating along multi-use trails. Seating may be informal, cut Eucalyptus rounds or small benches.
- Follow Routine Maintenance Program Manual for all trail work.

HIKING-ONLY TRAILS (FIGURE 4-3):

- Provide new hiking-only trails to create additional walking loops and connections. Hiking and dog access trails are to provide new experiences, generally four feet in width, but can be wider if needed for maintenance purposes.

DOWNHILL MOUNTAIN BIKE-ONLY TRAILS:

- Develop Mountain Bike Trail Design Standards for the park.
- Provide signed and designated mountain bike-only trails to reduce conflicts with other trail users. Using the Quarry County Park Mountain Bike Trail Design Standards, the Parks Department will determine how best to accommodate mountain bike trails. The Department will evaluate the feasibility of authorizing mountain bikers to ride uphill on multi-use trails (when they are riding slower), and downhill on designated mountain bike trails which will minimize the risk of collision with other users.
- Assess currently existing unauthorized bike trails to determine whether they are suitable



Multi-Use Trail example



Hiking Only Trail example



Bike Only Trail example



Unpaved trail connection from Highway 1 to Quarry County Park



Open and maintain views

to become authorized bike trails or should be decommissioned based on the Quarry County Park Mountain Bike Trail Design Standards.

TRAIL CONNECTIONS (FIGURE 4-4):

- Add a multi-use loop trail connection between South Ridge Trail and Mirada Surf East Fire Road via Coronado Avenue. This trail should be improved as a service road to accommodate emergency responders access.
- Create a multi-use trail connection between South Ridge Trail and Vista Point Trail to form a loop.
- Work with GGNRA to create a multi-use trail connection to the Rancho Corral de Tierra Trail network. Construct trail in Quarry County Park to GGNRA boundary.
- Evaluate trail connections between trails with different specific users (solely hiking or mountain biking) for safe interconnections.

DECOMMISSIONED TRAILS (FIGURE 4-5):

- Decommission trails that contribute to erosion and sedimentation according to PWA's Sediment Assessment and do not meet the Quarry County Park Mountain Bike Trail Design Standards.
- Any new, informal, user-created mountain bike trails will be immediately decommissioned.

VISTA POINTS (FIGURES 4-1 & FIGURE 4-6):

- Where appropriate and when not impacting sensitive resources, undertake selective pruning to open and maintain views from vista points.
- Enhance vista points with interpretive signage and informal seating.

SIGNAGE:

- Park trail and other signage will meet County

Park Department Standards.

- Signage should be located to achieve intended functionality without creating visual clutter.
- Improve the information kiosk at the park Entry Meadow for visitors to understand the breadth of Quarry County Park amenities and activities (shore to ridge). Work with interest groups to develop interpretive information on site history and natural resources.
- Provide trail system and wayfinding map signage at park entry and at key decision points throughout the park. Signage should include information on length, elevation change, and difficulty of each trail.
- Develop interpretive signage at way-points along trail.
- On multi-use trails where bicycles are allowed, provide clear signage indicating that such use is permitted, and describing mountain biking rules and etiquette on multi-use trails.
- Develop signage to identify mountain bike only trails, trail difficulty, and to describe downhill mountain bike trail etiquette.
- On multi-use trails where dog access is allowed, provide clear signage indicating that such use is permitted and detailing the rules and etiquette for walking a dog in the park.
- Develop public education for all trail user groups to understand trail etiquette.
- Consider incorporating information about apps on the signs, such as outerspatial.com or smcoparks.org.



Trail signage



Informational signage kiosk



Interpretive signage

CHAPTER 4 | GOALS AND RECOMMENDATIONS

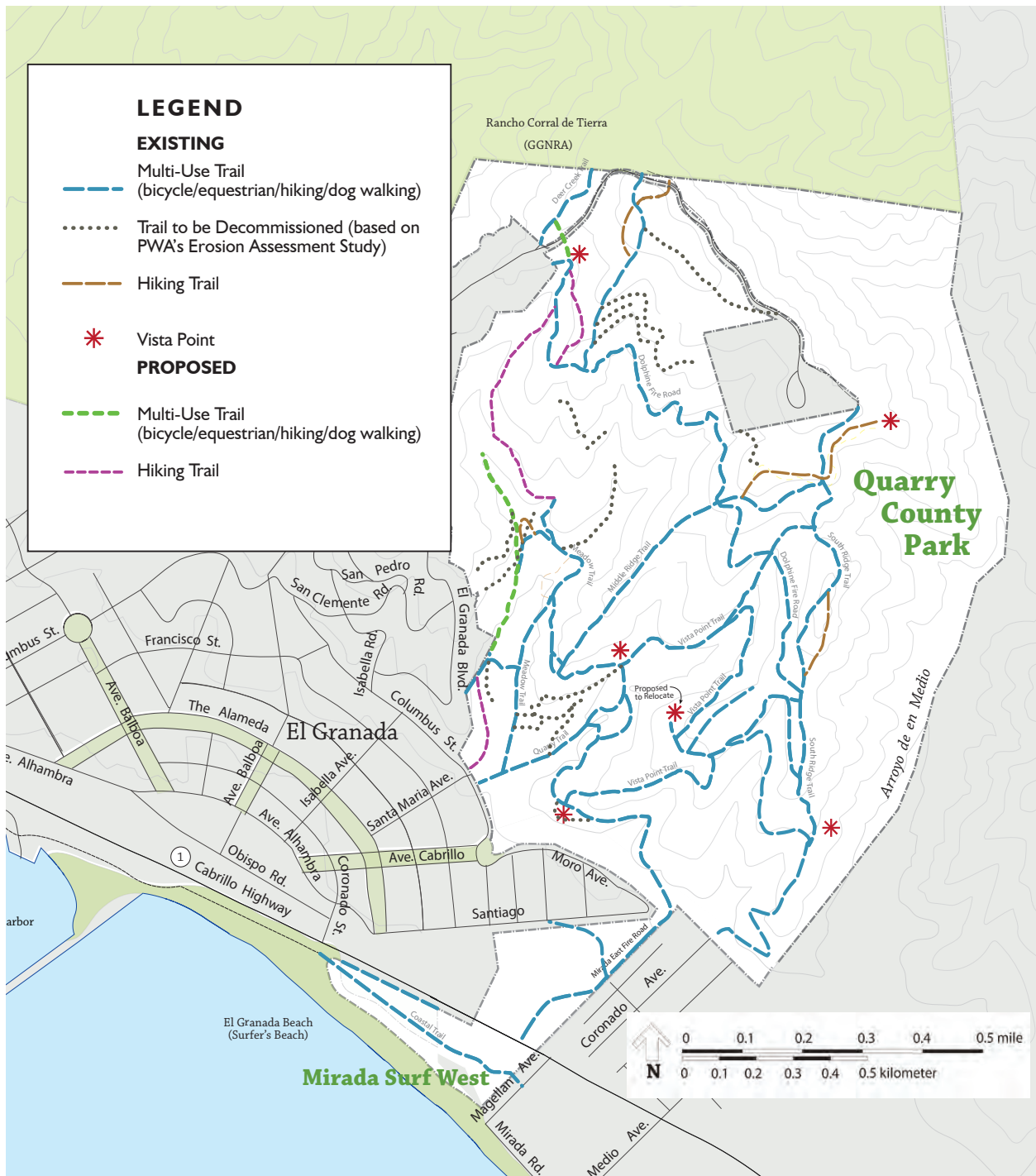


Figure 4-1: Recommended Trails Map



Figure 4-2: Recommended Multi-Use Trails



Figure 4-3: Recommended Hiking Only Trails

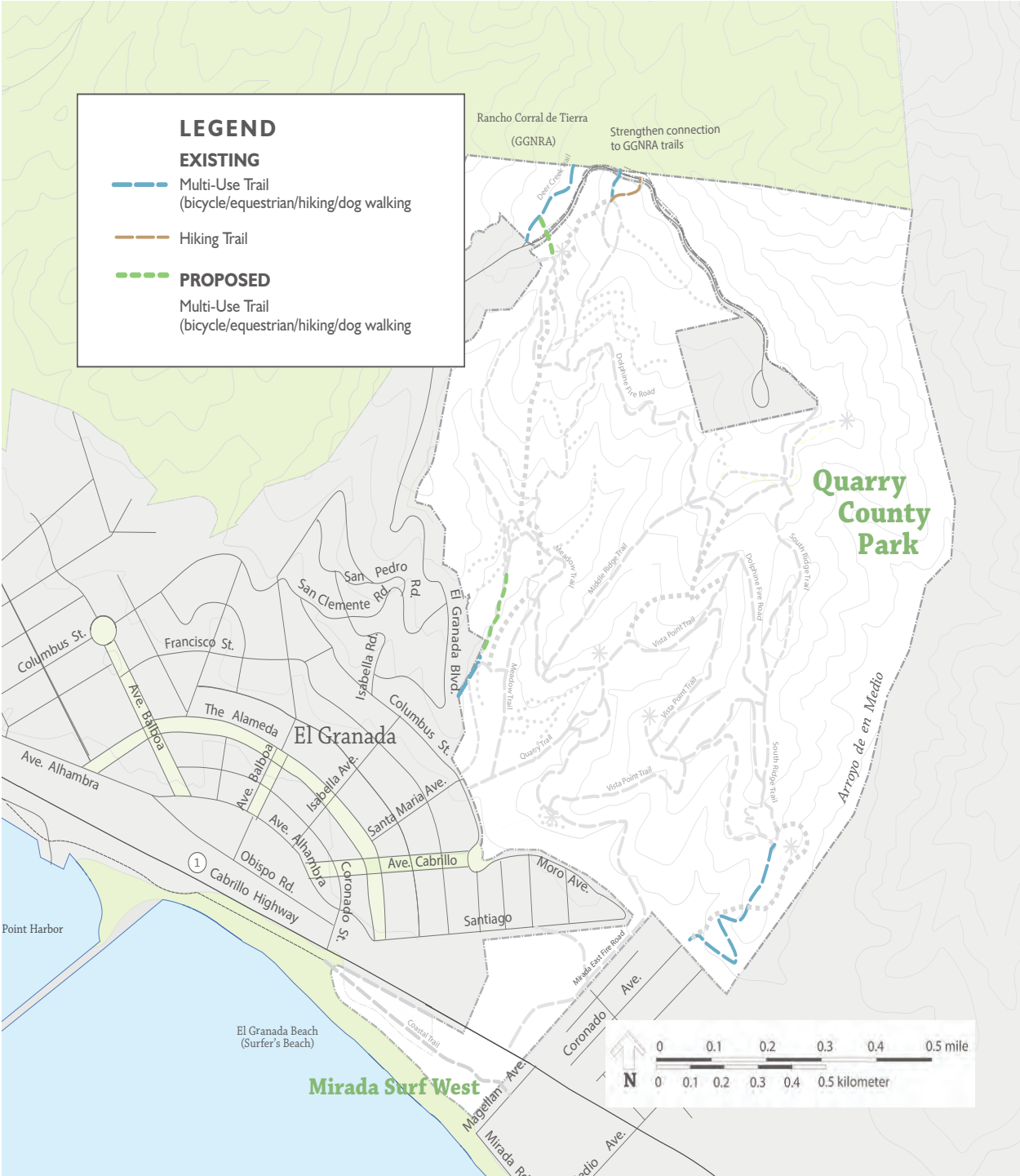


Figure 4-4: Recommended Trail Connections

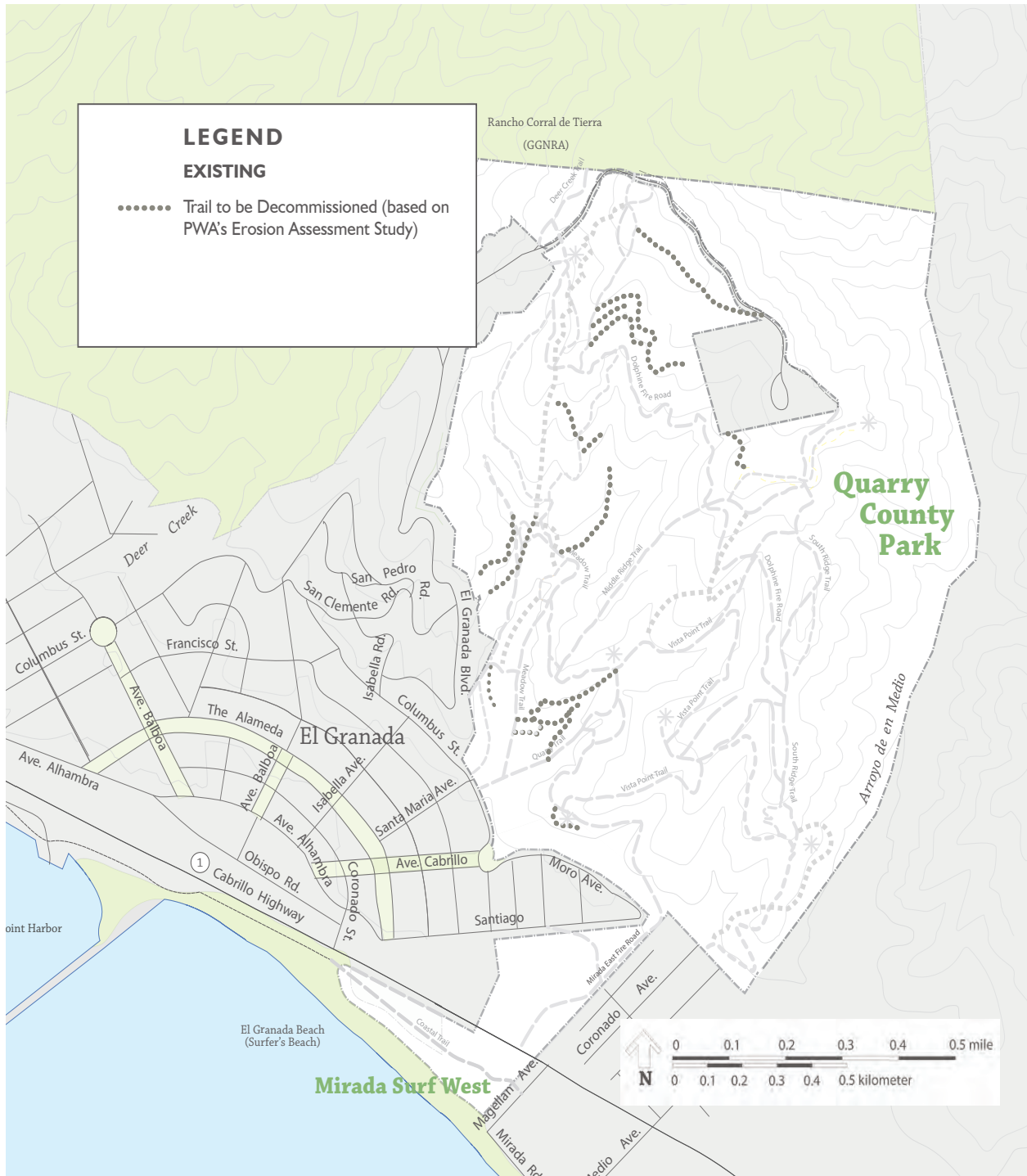


Figure 4-5: Recommended Trails to be Decommissioned

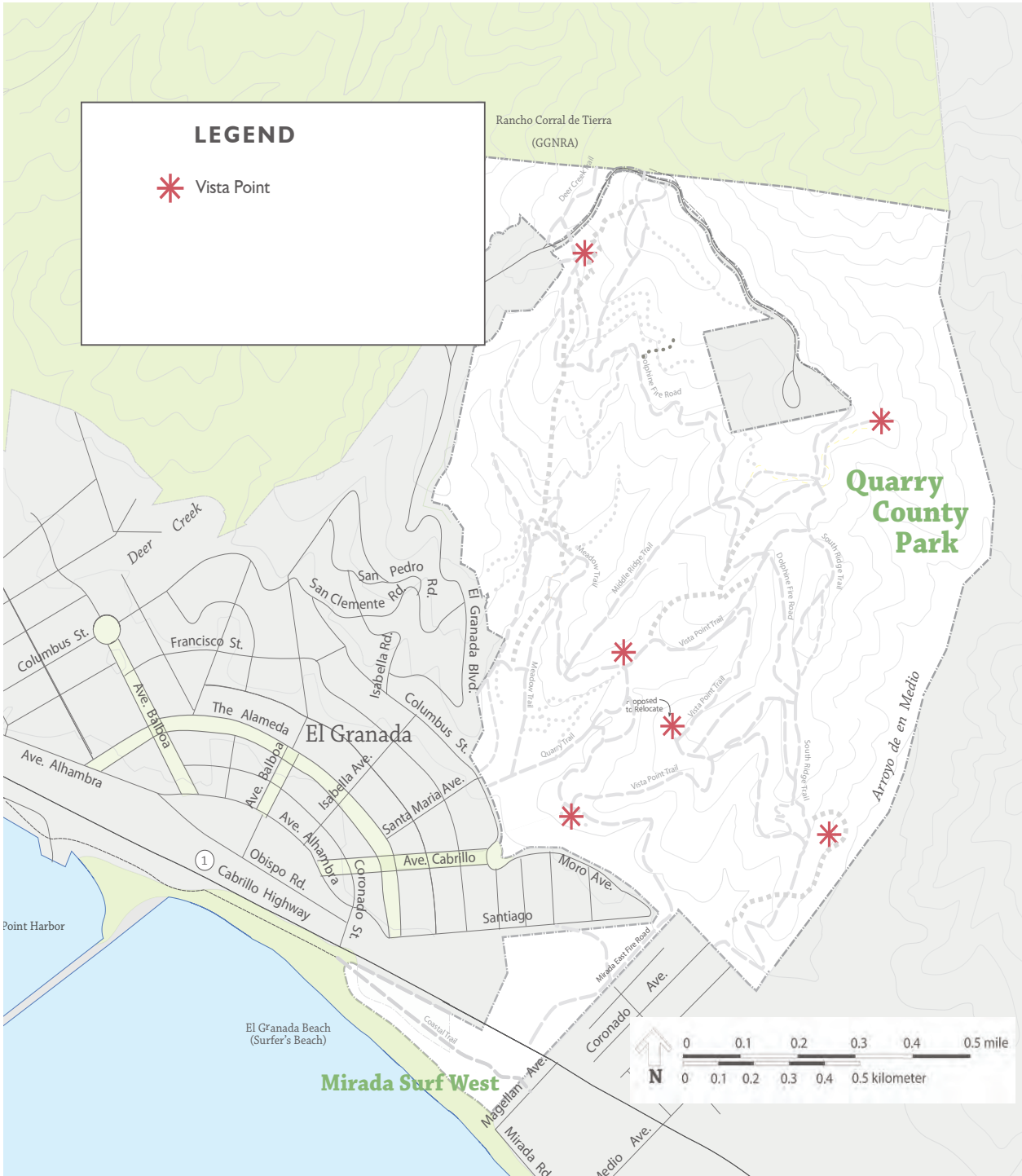


Figure 4-6: Recommended Vista Points

2. VISITOR FACILITIES & AMENITIES RECOMMENDATIONS



Iconic treehouse



Entry Meadow open space



Provide engaging play features



Existing visitor facilities should be retained and upgraded when necessary. To provide new recreation opportunities for users and to meet identified recreation desires of the community, several new uses have been proposed for Quarry County Park.

See Chapter 5, Implementation Efforts (2018-2022) section that have occurred since the Master Plan recommendations were presented to the public such as on-leash dogs, and the pump track.

Existing site features limit the locations for new site improvements. These factors include topography, existing trees, setbacks from wetlands and riparian corridors, locations of existing uses, site access, and potential for impacting adjacent neighborhoods. Based on public feedback during the development of the Master Plan, the Entry Meadow emerged as the area with potential to accommodate new uses.

A corporation yard has been constructed in the park for maintenance. There is also a need to retain an adjacent area for emergency helicopter landing accommodation.

ENTRY MEADOW

Active uses are clustered in the Entry Meadow. Most of the area is to retain its rural, pastoral character.

A conceptual layout for the preferred elements of this plan is shown in Figure 4-7. This plan, which was voted as the Preferred Alternative by the public, shows potential locations for amenities that may be added to Quarry County Park over time.

Expansion to existing amenities in the Preferred Plan diagram are:

- Expanded restroom
- Expanded parking
- Expanded play area
- Pump Track area identified

A new amenity - a pump track will be constructed at the north end of the Entry Meadow, near the existing Corporation Yard. See Chapter 5, Implementation Efforts (2018-2022) section for more information about the project progress.

PLAY AREA

The existing play area is in good condition but has a limited number of play elements.

RECOMMENDATIONS:

- Expand the existing play area by adding additional all abilities play features into the adjacent area to the east. With its topography and trees, this can transform the play space into a unique adventure experience.
- The play structure should be replaced when needed with an all-abilities play area.
- Consistent with the Quarry County Park setting, parent/spectators seating should be carefully sited to allow line of sight while encouraging independent imaginative play.

PICNIC BARBECUE AREAS

There are nine (9) existing picnic tables with a total of three (3) barbecues that are currently available on a first-come, first-served basis.



Figure 4-7: Entry Meadow Preferred Plan





Extend play space eastward



Group picnic area with barbecue



Community Garden currently maintained by volunteers

COMMUNITY GARDEN

The community garden was established in 2009 through the efforts of Midcoast Park Lands (MPL). Currently, volunteers manage the garden. A new non-potable waterline from the reservoir will provide water for the garden.

RECOMMENDATIONS:

- Add methodology for soliciting community garden participants, which outlines protocols for assigning plots, maintenance responsibilities, limitations on use, and other issues to ensure access to garden plots are available to all members of the community.
- County Parks should meet with volunteers to develop a plan for management of the community garden.
- Expand garden as demand increases.

RESTROOM

The existing restroom adequately meets the current needs of park users.

RECOMMENDATIONS:

- As the pump track is added and demand increases, replace single stall restroom with double stall pit restroom in same location.

PARKING

See Chapter 5, Implementation Efforts (2018-2022) section for the parking study conducted for a new use proposed.

The existing gravel parking area can accommodate twenty (20) cars. Visitor numbers of Quarry County Park have remained relatively consistent over the years and the increase in existing parking area has been adequate for the visitor volume. Historically, for events in the Quarry Floor, overflow parking was accommodated with a shuttle from a nearby

school. The County monitors daily park usage.

RECOMMENDATIONS:

- As the result of the increase in outdoor recreation, the Parks Department should expand the existing parking lot by relocating the gate and rock the new footprint of the parking lot.

QUARRY FLOOR

The Quarry Floor is a popular destination in the park. It creates a natural amphitheater, and is an ideal location for gatherings, performances, or events. A walking stone labyrinth has been constructed by park visitors. In a 1994 Quarry County Park Community Survey conducted by Midcoast Park Lands (MPL), many respondents favored the use of the Quarry Floor for occasional small community musical or theatrical events and festivals. Taking advantage of the unique acoustical attributes of the quarry, MPL sponsored several events with local bands in the Quarry Floor.

Some of the more popular events were related to children, drawing up to 200 attendees, most of whom were walk-ins from the neighborhood. A community stage project was proposed in 2004 to support these events. Plans included providing a generator for temporary power for special events and a portable toilet.

RECOMMENDATIONS:

- Create informal amphitheater seating, using benches made from felled eucalyptus.
- Maintain vehicular access on fire road to Quarry Floor to accommodate ADA needs, park maintenance, and emergency vehicle access.

OVERLOOK DECK

The former overlook deck at the Quarry Floor



Expand restroom as demand increases



Move gate and extend parking eastward



Quarry Floor



Quarry Floor has potential for special events

edge was removed for safety reasons and will be relocated and reconstructed as a vista point.

CORPORATION YARD

The management of Quarry County Park is the responsibility of Midcoast District, which oversees San Mateo County Coastal Parks from Pacifica to Tunitas Creek Beach. Midcoast District staff currently includes fourteen (14) full-time rangers and six to eight (6 - 8) seasonal staff.

Currently, Midcoast District has a corporation yard in San Pedro Valley County Park. With the addition of Tunitas Creek Beach south of Half Moon Bay, a more central location for a corporation yard is desirable. The Quarry County Park Master Plan includes a corporation yard in the Entry Meadow. This will allow Midcoast District to maintain Quarry County Park and the balance of the parks more efficiently within Midcoast District.

RECOMMENDATIONS:

- Improve the small corporation yard to enhance park management operations.
- Provide non-potable water from the dam to the corporation yard.
- Retain a clear zone for helicopter emergency landing.

INFRASTRUCTURE

See Chapter 5, Implementation Efforts (2018-2022) section for more about an infrastructure project to irrigate with reservoir water, and dam improvements that are being implemented by Public Works.

Infrastructure improvements are necessary to implement various recommended improvements.

RECOMMENDATIONS:

- Explore opportunities to use water from

reservoir for irrigation, community garden, equestrian watering, pump track and for fire suppression.

- Potential future utilities to consider include sewer, non-potable water for irrigation, electricity, and/or telecommunication.

PUMP TRACK AREA

See Chapter 5, Implementation Efforts (2018-2022) section for more about the permitted pump track project.

A pump track is a continuous circuit of banked turns, interspersed with berms and other features that can be ridden on a bike without pedaling. Riders create momentum via up and down body movements called pumping. It can provide an intense full body workout while teaching riders safety and skills. There is strong pump track interest in the community and the Granada Community Service District (GCSD) has been actively seeking a site to accommodate this demand. The community interest began in 2002, with the development of the Midcoast Recreation Needs Assessment. Further planning documents reaffirmed interest: the Action Plan for Parks and Recreation (2007), the El Granada Community Services District Parks and Recreation Facilities Priority Plan (2016), and a San Mateo County visitor survey (2016).

RECOMMENDATION:

- The San Mateo County Parks Department, in partnership with the Granada Community Services District and San Mateo County Parks Foundation, prepared detailed engineering plans for the pump track and obtained all necessary permits and approvals. Construction will commence in May 2022, with completion scheduled for June/July 2022.



Existing corporation yard



Pump track



Dog on leash



Dog on leash

DOG POLICY

See Chapter 5, Implementation Efforts (2018-2022) section for more about the dog access policy status.

Dog access in Quarry County Park will conform to Chapter 3.68 of Title 3 of the San Mateo County Ordinance Code, regarding dog recreation within San Mateo County Parks and Recreation Areas.

Concurrent with the Quarry County Park Master Plan process, San Mateo County conducted a series of countywide meetings and formed a committee to review policies related to dog access to County Parks. This committee has been charged with updating ordinances and identifying potential dog recreation opportunities.

RECOMMENDATION:

- Provide dog waste control stations and signage clarifying park rules and appropriate dog owner etiquette.
- Allow dogs on designated and signed trails consistent with County policy.
- Implement off-leash dog pilot program at Quarry County Park.

COURT USE:

Court uses like pickleball, bocce, and horseshoes were suggested activities at Quarry County Park. Court uses require a significant investment to construct and maintain. A limited number of users can be accommodated at any given time. The rural and natural ambiance is not consistent with the more urban, formal characteristics of some court uses. Although there is some community interest in these uses, there is not a significant user group interested in stewardship. Disc golf was not deemed important by participants, nor supported by SMC Parks staff due to vegetation management requirements.

3. NATURAL RESOURCE MANAGEMENT RECOMMENDATIONS



See Chapter 5, Implementation Efforts (2018-2022) section that have occurred since the Master Plan recommendations were presented to the public.

EROSION & SEDIMENTATION MANAGEMENT

Erosion and sedimentation management is a primary concern for the protection, preservation, and enhancement of Quarry County Park. Pacific Watershed Associates (PWA) performed an extensive field inspection and analysis to establish priorities for implementation based on sediment reduction opportunities. See Figure 4-8 identifying treatment areas. The Watershed Assessment and Erosion Prevention Planning Project (report is included in the Appendix).

RECOMMENDATIONS:

- Perform maintenance following practices cited in the Routine Maintenance Manual.
- Implement recommended treatment for features identified as high and moderate in immediacy to address issues of public safety and preservation and protection of the infrastructure and natural resources.
- Where feasible, address areas of concern identified in the PWA report.
- Prioritize ongoing treatment efforts as described in Chapter 5, Implementation Efforts (2018-2022) section and detailed in



Bluff erosion at Mirada Surf West (Coast)



Damaged drainpipe causing gully erosion

the PWA report.

- Evaluate unauthorized and informal trails for erosion and sedimentation mitigation measures.

WILDFIRE THREAT MANAGEMENT

The San Mateo County Parks Strategic Plan (2013) includes:

- Goal 10: Reduce fire risk and meet safety

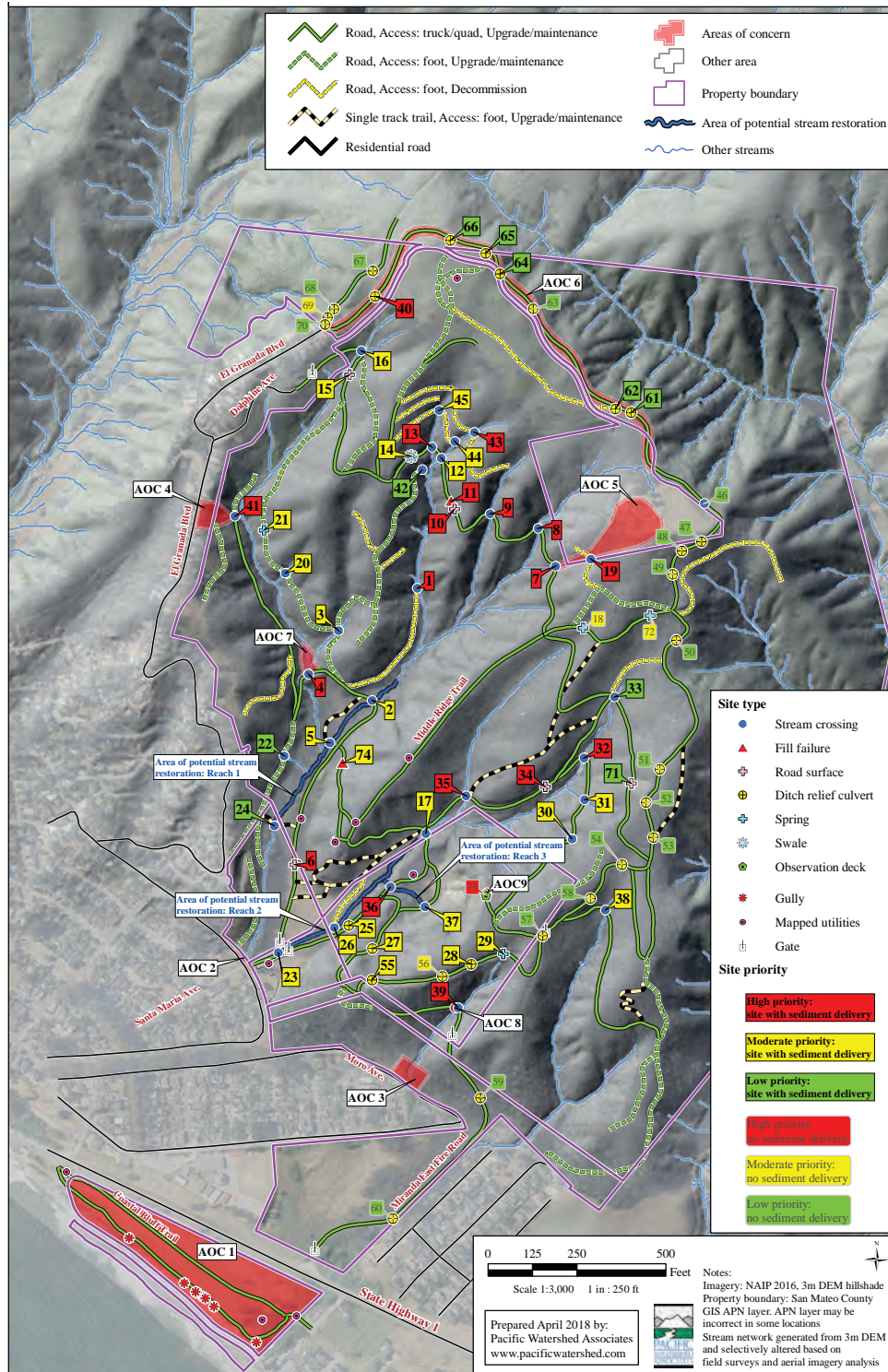


Figure 4-8: Erosion and Sedimentation Assessment Map

and regulatory standards for vegetation management and fuel load.

A stated strategy for this goal is to implement programs to selectively eradicate exotic and invasive high fire risk vegetation and restore native vegetation species. Much of the Blue Gum Eucalyptus Forest and its under-story fits this category, however, cost and funding will play a major role in how quickly work can be completed. Long term maintenance of all fuel reduction efforts, including previously implemented projects, is a priority.

The Parks Department is prioritizing creation, maintenance, and expansion of shaded fuel breaks though the park along fire roads to improve and protect emergency access to the reservoir and ensure fire containment, suppression efforts, stage firefighting equipment, and protecting evacuation routes.

See Chapter 5, Implementation Efforts (2018-2022) section for more information about the County's 2021-2026 Fuel Management Program and the status of identified and implemented fire fuel mitigation projects at Quarry County Park.

One of the more common vegetation management practices for Fire Risk Reduction is the creation of "shaded fuel breaks." Shaded fuel breaks are the carefully planned thinning of dense trees, thinning of the cover of overstory trees to reduce crown-to-crown overlap, and removal of underlying brush and combustible shrubs (ladder fuels) in strategic locations along ridges, access roads and at interfaces with residential development. The remains of mastication and chipping are left in place, forming a mulch to protect the soil from compaction and erosion. Seedlings will sprout within one season, carpeting the ground and extending roots to retain the soil and feed on the composting material.

A shaded fuel break is a defensible location, where fuels have been modified, that can be used by fire suppression resources to suppress oncoming wildfires. A fuel break by itself will not stop wildfire. Rather it is a location where the fuel has been modified to increase the probability of success for fire suppression activities. Maintenance of the shaded fuel break will be necessary every few years to keep the new vegetation from creating another fire hazard. In addition, shaded fuel breaks maintain cooler and moister understory conditions, and understory vegetation remains greener longer into the growing season. This helps to reduce fire spread within the fuel break. Thus, a shaded fuel break provides both fire protection and improved forest health.

A fire break is another type of vegetation management where all vegetation (overstory and understory vegetation) is removed. Soils and roots would be left intact, and a chip layer would be spread over the ground.

Supporting fire risk management activities is a key consideration in improving the roads/trails network, including providing milepost markers and clear trail/road names, and in prioritizing recommendations regarding access and fuel modification zones.

RECOMMENDATIONS:

- Continue to coordinate with CalFire and the San Mateo Resource Conservation District to remove dead, dying, and diseased eucalyptus and Monterey pines within Quarry County Park to maintain shaded fuel breaks.
- Continue to improve fire road access, including connecting the South Ridge Trail to Coronado Avenue. The approximate location is illustrated on Figure 4-10.
- Maintain shaded fuel-breaks along the

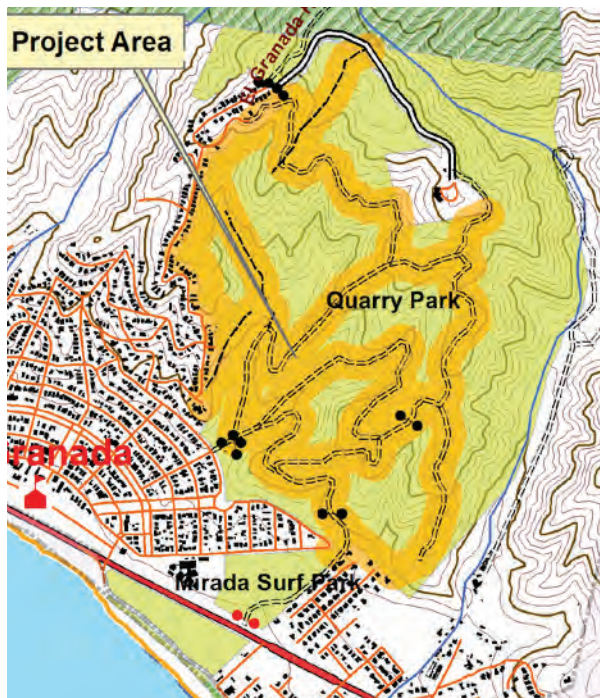


Figure 4-9: Priority Areas for Shaded Fuel Breaks

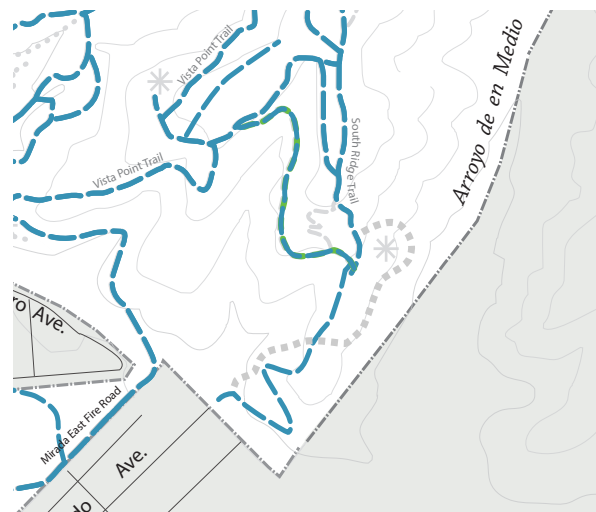


Figure 4-10: Approximate Alignment of Connection from South Ridge Trail to Coronado Avenue

roads throughout the eucalyptus groves, by periodically thinning smaller trees and removing ladder fuels, leaving the large, mature trees with a wide gap between the forest floor and its canopy. Periodically thin trees to separate their crowns to slow potential spread of fire through the forest canopy. Continue to trim and maintain vegetation along roadways and access trails to create defensible space.

- Prioritize ingress/egress roadways for shaded fuel breaks, as they provide emergency access.
- The largest healthy, stable, and attractive trees should be evaluated with any trees under eight-inch diameter trunks removed, and the ladder fuels (invasive under-story tree and shrub species) should be thinned and reduced.
- Trees should be chipped on site to the extent possible to create a thick layer of mulch to inhibit regrowth of undesirable non-native species.
- Protect and maintain high quality habitat, such as northern coastal scrub and coastal prairie. These areas are less prone to fire and are more likely to host sensitive species.
- Install a pipe from the existing dam and reservoir to the corporation yard area to transport non-potable water for irrigation and fire protection purposes.
- Consider the wildland urban interface and the private dwellings located near parks while planning for improvements to forest health.

HABITAT PROTECTION & ENHANCEMENT

Quarry County Park contains significant areas of northern coastal scrub along the northern and eastern edges of the site and coastal prairie

in the Wetlands and Mirada Surf West (Coast). Enhancement and expansion of these areas offer the best potential for habitat improvements.

Sensitive habitat areas occur in Quarry County Park. As restoration possibilities are extremely limited due to the size of the site, the extent of invasive species and very limited budgets, protection of the existing sensitive habitats designated as Environmentally Sensitive Habitat Areas in the Local Coastal Plan is a high priority for coastal program compliance and management of the resource. Within riparian areas there is the opportunity to pursue restoration efforts if a community stewardship program is developed and funded, particularly if it provides erosion control benefits as well.

RECOMMENDATIONS:

- Prioritize potential high value restoration opportunities that synergize with other repairs or improvements. As other improvements occur, take advantage of opportunities to improve habitat, as feasible.
- Where improvements or repairs occur in sensitive habitat areas, follow the recommendations requirements and general avoidance measures as outlined by the Routine Maintenance Program Manual.
- Follow procedures and protocols set forth in the Routine Maintenance Program Manual and the BRA, found in Appendix A, to protect special-status plants and wildlife that may potentially be impacted.
- Engage in stream restoration efforts in the three areas identified in Pacific Watershed Associates’ Watershed Assessment and Erosion Prevention Planning Project (See Appendix B.)
- In restoration areas, chip and mulch removed eucalyptus trees on-site, to a depth of four

to twelve inches (not to exceed one foot), to suppress non-native seed growth. After six months of oils leaching from the eucalyptus, native vegetation can be planted.

- Retain the existing dam and reservoir to provide habitat value. Alternatively, lower the dam to form an emergent wetland area where the reservoir is now located, to create additional habitat. For Pacific Watershed Associates’ complete Dam and Reservoir Assessment, which analyzes the reservoir’s stability, see Appendix C.



Reservoirs are considered a sensitive habitat area

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CHAPTER 5 | IMPLEMENTATION AND PHASING



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CHAPTER 5 | IMPLEMENTATION

The San Mateo County Parks Department will prepare an environmental review of the Quarry County Park Master Plan in accordance with the California Environmental Quality Act (CEQA). The Parks Department will oversee the implementation of the Master Plan recommendations when feasible, nurturing park stewardship, seeking partnerships and funding, and managing operations.

Since the spring of 2018, when the Master Plan process put on hold to rethink the dog access policy for County Parks, the Parks Department has made strides in implementing the not-yet-adopted recommendations in this Master Plan. More information about this progress is included in the Implementation Efforts (2018-2022) section.



PARK STEWARDSHIP

Quarry County Park has historically benefited from volunteer efforts - the park would not exist without dedicated volunteer efforts in the 1990s and 2000s. There is community interest in volunteering and stewarding of the park.

As part of the strategic plan, San Mateo County Parks Department has set the following goals which are particularly applicable to Quarry County Park.

- Provide volunteer and educational opportunities that foster discovery and engage the community in environmental protection and stewardship efforts.
- Formalize partnerships and strengthen relationships with community groups.
- Consciously create and enhance volunteer programs.

The development of the community gardens at Quarry County Park is an example of the community involvement opportunities the County is seeking to foster. During the Community Outreach process, numerous members of the community expressed interest in volunteering to assist the County in the construction and management of targeted new uses, such as a pump track or mountain bike trails.

POTENTIAL PARTNERSHIPS & FUNDING SOURCES

There are several potential partners who the County may involve with Quarry County Park.

The Granada Community Services District (GCSD) provides and manages parkland for the El Granada community, and are seeking to develop amenities to meet the recreational demands of their residents, and have partially funded the pump track.

The Golden Gate National Recreation Area (GGNRA) is a potential partner for the development of trail linkages to Rancho Corral de Tierra to the north (the area labeled as El Granada Blvd on Quarry County Park maps and as Deer Creek Trail on GGNRA maps, including its surrounding roads and trails.) San Mateo County Parks recognizes that GGNRA will enter a planning effort regarding these linkages, including trail alignments. The agencies will work collaboratively along with other adjacent landowners on the specifics of which connections will exist into the future; acknowledging that both agencies are committed to providing appropriate, streamlined, and maintainable connections for all visitors through this area.

Other potential partners are listed below, along with their areas of interest and/or past funding participation.

- San Mateo County Parks Foundation: Helps maintain and restore park resources. Provided funding for acquisition of Mirada Surf West.
- Coastal Conservancy: Provided grant funding for acquisition of Mirada Surf West. Funded design and construction of the Coastal Trail. Funded fire fuel management projects.
- Peninsula Open Space Trust (POST): The

County acquired the Wicklow property from POST.

- Granada Community Services District (GCSD): Provided funding for construction of the pump track.
- Midcoast Park Lands (MPL): Initially served as the non-profit to receive and manage Quarry County Park when it transferred from private to public-ownership until the County Parks Department assumed full management in 2010. County Parks staff will work with MPL to determine potential volunteer and funding opportunities into the future.
- San Mateo County Fire Safe Council: Administers grants for hazardous fuels reduction and maintenance projects on non-federal land.
- San Mateo Resource Conservation District (RCD): Collaborates with private and public landowners and agencies, interest groups, and others to protect, conserve, and restore natural resources. Secured CA Coastal Conservancy funding and implemented a 100-acre wildfire fire hazard reduction shaded fuel break project.
- CalFire: Initiated emergency fire fuel reduction in Quarry County Park. Future grants may be available for forest health and fire prevention. CalFire was a partner on previously identified projects such as rural road improvement, and vegetation management. CalFire may partner on funding and implementation of fire fuel management projects.
- Volunteer Trail Patrol: Could be developed to monitor trails in coordination with Park Rangers to assist promotion of trail etiquette and trail improvement projects.

MAINTENANCE COST RECOVERY

Currently, reservations are not required to use picnic tables. Special event requests may be permitted for group use.

RECOMMENDATIONS:

- Pursue Memorandum of Understanding and partnership with GCSD and GGNRA as stewardship avenues for Quarry County Park improvements.
- Foster the development of volunteer groups focused on specific uses, interests, skills, or other Parks Department policies.
- Pursue grant opportunities to fund resource management and enhancements.
- To the extent possible, explore opportunities for maintenance cost recovery with:
 - I. Rental of the Quarry Floor for special events.

ACTION PLAN & PHASING

This Master Plan is intended to provide a flexible guiding structure for addressing the variety of issues affecting Quarry County Park and is not intended to be a policy document. Some specific improvement recommendations may be implemented as part of on-going park operations and maintenance; where others will require detailed design and engineering (including permitting, public and environmental review). An implementation timetable has been developed based on several assumptions, including recreation needs as identified by the public and Park staff, financial consideration, and environmental factors. This phasing strategy should be reviewed periodically (every five years) to determine if the Master Plan vision is being implemented successfully or if modifications are needed to address evolving concerns.

The implementation timetable is divided into three categories of improvements:

- Trail System & Signage (Table 5-1)
- Visitor Facilities & Amenities (Table 5-2)
- Natural Resource Management (Table 5-3)

The timetables illustrate a scenario for the implementation of Master Plan recommendations over multiple time frames:

- In Progress
- Ongoing
- Short Term (0-5 years)
- Medium Term (5-10 years)
- Long Term (10-20 years)

HIGHEST PRIORITIES

Protection of the natural environment, recreational resources, and public safety are the highest priority in the implementation of the Quarry County Park Master Plan recommendations. Safety improvements, funding availability, partnership opportunities, and community demand were all factors considered in prioritization of projects.

Addressing erosion, sedimentation, wildfire mitigation are essential to the protection and preservation of Quarry County Park as a resource. Mitigating the threat of wildfire to El Granada will be an ongoing effort that was discussed in Chapter 4. Some seventy-four locations of specific erosion/sedimentation issues have been identified by Pacific Watershed Consultants (PWA). To assist in implementation of erosion and sedimentation issues, PWA has ranked treatments in terms of their immediacy. The map identifying the features is found in the previous chapter and the Appendix. Detailed explanations as well as descriptions of the features and treatment methods are contained in Appendix.

As the most immediate repairs and treatments are made, physical conditions evolve, and funds or resources become available, additional considerations will enter the determination of project priorities.

I. TRAIL SYSTEM & SIGNAGE ACTION PLAN IMPLEMENTATION

IN PROGRESS	ONGOING	SHORT TERM (0-5 YEARS)	MEDIUM TERM (5-10 YEARS)	LONG TERM (10-20 YEARS)
<p>Consider locations for dog waste stations.</p> <p>Multi-modal Trail to be constructed in eastern Highway 1 ROW to connect to Mirada Surf East.</p>		<p>Decommission designated trails identified by the PWA Erosion Assessment Study, and existing unauthorized mountain bike trails that do not meet the Mountain Bike Design Standards.</p> <p>Implement loop trail recommendation.</p> <p>Apply Quarry County Park Mountain Bike Trail Design Standards to site.</p> <p>Formalize mountain bike trails based on Quarry County Park Mountain Bike Trail Design Standards.</p> <p>Improve access within the park for staff and emergency vehicles.</p> <p>Provide trail information and wayfinding signage.</p> <p>Construct South Ridge Fire Road.</p> <p>Extend multi-use trail on west end of reservoir to facilitate maintenance access.</p> <p>Enhance vista points with benches and signage.</p> <p>Provide interpretive signage.</p> <p>Develop a public education campaign with trail user groups.</p> <p>Construct South Ridge Fire Road.</p> <p>Implement road/trail improvements per Routine Maintenance Manual.</p>	<p>Construct connection to GGNRA Rancho Corral de Tierra.</p> <p>Improve pedestrian access from the end of El Granada Blvd.</p> <p>Complete proposed multi-use loop trails.</p> <p>Design and construct fire road/trail connecting the South Ridge Fire Road to Mirada Surf East Fire Road</p> <p>Develop Volunteer Trail Patrol</p>	

Table 5-1: Implementation Timetable Trail System and Signage

CHAPTER 5 | IMPLEMENTATION AND PHASING

2. VISITOR FACILITIES & AMENITIES ACTION PLAN
IMPLEMENTATION

IN PROGRESS	ONGOING	SHORT TERM (0-5 YEARS)	MEDIUM TERM (5-10 YEARS)	LONG TERM (10-20 YEARS)
<p>Construct pump track.</p> <p>Implement dog ordinance.</p> <p>Initiate off-leash dog recreation pilot program.</p> <p>Expand existing on-site parking as pump track is constructed.</p> <p>Replace an existing single pump out toilet with a double.</p> <p>Vista Point benches are in the process of being installed.</p>	<p>Support volunteer programs</p> <p>Pursue partnerships</p> <p>Pursue grant funding opportunities</p> <p>Identify and prioritize potential enhancement opportunities that synergize with other repairs or improvements.</p>	<p>Relocate and upgrade overlook deck.</p> <p>Formalize Community Garden Policies.</p> <p>Playground upgrades.</p>	<p>Expand play area to the east, with parent/spectator seating.</p> <p>Consider expanding community garden space, as demand increases.</p> <p>Playground upgrades.</p>	

Table 5-2: Implementation Timetable
Visitor Facilities and Amenities

3. NATURAL RESOURCE MANAGEMENT ACTION PLAN IMPLEMENTATION

IN PROGRESS	ONGOING	SHORT TERM (0-5 YEARS)	MEDIUM TERM (5-10 YEARS)	LONG TERM (10-20 YEARS)
<p>Enhance ingress and egress for CalFire vehicles with the implementation of the South Ridge Fire Road project.</p> <p>Development of non-potable water improvements between the existing dam and corporation yard. Project includes a 4" standard pipe for fire water.</p> <p>Continue existing 119-acres of wildfire reduction efforts involving removal of Eucalyptus to create shaded fuel breaks and 12-acres of complete Eucalyptus eradication underway as well as ongoing maintenance to ensure success.</p>	<p>Continue thinning eucalyptus and removing ladder fuels to reduce fire risk and create gallery forest. Restore native species per Decision-Making Guidelines for Vegetation Management in San Mateo County Parks.</p> <p>Removal of dead, dying, and diseased Eucalyptus and Monterey Pine to maintain the 90 acres of shaded fuel breaks created by CalFire. Expand and maintain shaded fuel breaks along fire roads (100 acres). Install and maintain the western boundary fuel break.</p> <p>Annual inspection of dam, pipe, and valve replacement, reservoir, and embankment.</p> <p>Identify and prioritize potential enhancement opportunities that synergize with other repairs or improvements.</p> <p>Improve designated multi-use trails by removing/thinning trees on both sides of trail (100' +/-) for fuel reduction.</p>	<p>Design and construct primary and emergency spillways for the dam, remove trees from dam embankments, inspect the underdrain plumbing.</p> <p>Implement treatment for features identified in PWA report as high and high-moderate in immediacy to address issues of public safety and preservation and protection of the infrastructure and natural resources.</p> <p>Erosion and sediment in control area.</p> <p>Review and revise treatment immediacy rankings of features identified in PWA report and identify and rank any new features.</p> <p>Expand drainage improvements based on PWA report and future determinations based on Quarry County Park Mountain Bike Trail Design Standards.</p> <p>Use water from reservoir for irrigation community garden, for pump track, equestrian watering, and for fire suppression.</p> <p>Implement high priority road/trail improvements based on the Routine Maintenance Manual</p>	<p>Engage in stream restoration efforts in the three areas identified in PWA report.</p> <p>Implement treatment for features identified in the PWA report as moderate and moderate-low in immediacy.</p> <p>Evaluate transitioning Eucalyptus forests to native coastal scrub communities by allowing native species to regenerate rather than actively replacing native scrub.</p>	<p>Implement treatment for features identified in the PWA report as low in immediacy.</p> <p>Ongoing maintenance and fuel reduction projects will remain a priority</p>

Table 5-3: Implementation Timetable
Natural Resource Management

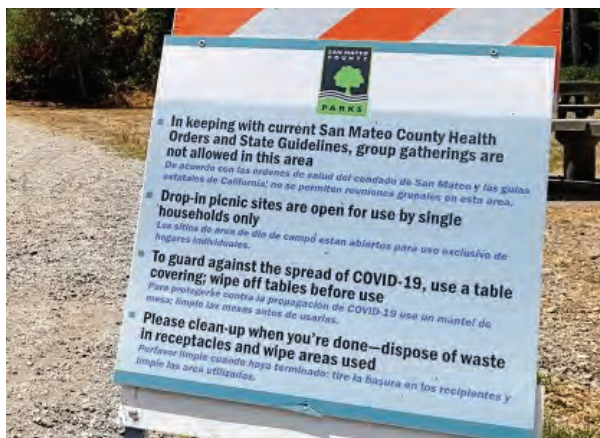
IMPLEMENTATION EFFORTS (2018-2022)



Dogs in Quarry Park



Fire Fuel Management



COVID restrictions in County Parks

The Master Plan was undertaken during a pivotal time for Quarry County Park. Final review and approval of the Final Draft recommendations, shared with the community in Spring 2018, was delayed by numerous factors. The County Parks Department needed to focus on revising permitted usage policies (dogs and mountain bikes), threats from wildfires, and addressing their response to COVID, all of which further delayed final public review and adoption of this Master Plan.

When the County assumed management responsibility of Quarry County Park, the uses allowed prior did not align with those permitted within County parks. Most notable are off-leash dog access and mountain bikes on single track trails. The County has been moving forward to update these policies, particularly with regards to dog access in all County parks. Dog access policies have been changed in the County ordinance, and a dog access pilot program is being trialled at Quarry County Park.

Concurrent with the Master Plan development, the continuing drought and numerous wildfires increase the urgency to address the wildfire risk present in Quarry County Park. The County proactively initiated measures to implement fire risk management recommendations from the Existing Condition Assessments.

The pandemic heighten the awareness of the essential role park and open space systems play in sustaining community health and wellness. Visitors increased at Quarry County Park as residents sought opportunities to connect with nature, safely socialize and participate in physical exercise for their mental well-being. Additional interest regarding dogs and mountain bikes in

Quarry County Park was compounded during lock down, as more people adopted dogs and acquired mountain bikes, thereby leading the Parks Department to want to expand allowed uses and services to best meet the need to guide dog access to parks and permitted mountain bike usage.

However, while review and approval of the Quarry County Park Master Plan has been delayed, the County has actively pursued funding and moved forward on implementing several recommendations from each category of the Plan.

TRAIL SYSTEM & SIGNAGE

- Mountain Bike Trails: The County Parks Department is developing Quarry County Park Mountain Bike Trail Design Standards based on existing international, national, and state polices.
- Dog Access Policy: A 12-month pilot program is planned at Quarry County Park for off-leash dog access.
- South Ridge trail/fire access road: 60% plans have been developed to complete this important trail/fire road connection, and the 100% final plans are being prepared. Construction is anticipated in FY 2022/23.

VISITOR FACILITIES & AMENITIES

- Pump track: The County worked with community members to develop a plan for a family-oriented pump track at Quarry County Park. The pump track construction is scheduled to begin in spring 2022.

NATURAL RESOURCE MANAGEMENT

- Wildfire Fuel Management: As part of Governor Emergency Fuel Reduction Project in 2019, shaded fuel breaks were created to remove invasive plant material on almost 100

acres in Quarry County Park.

- Wildfire Fuel Management: The Coastal Conservancy has funded the proposal to create additional shaded fuel breaks along multi-purpose trails/roads.
- Wildfire Fuel Management: The County is currently pursuing grant funding to reinstate a 200-foot-wide defensible fuel breaks along the southern and western edges of the Park adjacent to the El Granada community.
- Routine Maintenance Program: The Parks and Public Works departments collaborated to create the San Mateo County Routine Maintenance Program Manual. Improvements from these efforts include streamlined permitting for maintenance improvements (time and cost efficiency), done to Federal and State environmental agency requirements.
- Erosion and Sedimentation: Minor Dam improvements including vegetation removal on top of the dam and a new waterline. County Public Works has identified additional improvements as part of 2022/23 Capital Improvements budget.

TRAIL SYSTEM & SIGNAGE

MOUNTAIN BIKE USE

The Parks Department is working with the community to develop standards for mountain bike trails in Quarry County Park, including trail width, elevation change difficulty, as well as trail ratings, signage, and trail etiquette.

These standards will be used to evaluate existing trails in Quarry County Park and to modify or construct new trails when appropriate. Trails not meeting these standards will be improved to meet the standards or decommissioned. While these standards will be applied to trails in Quarry County Park, should the Parks Department develop department-wide mountain bike trail standards, those standards would supersede the Quarry County Park standards.

The Mountain Bike Trail Design Standards for Quarry County Park, developed by the County Parks Department, are based on existing international, national, and state policies.

The Mountain Bike Trail Design Standards for Quarry County Park will be included as an appendix of this Master Plan.

DOG ACCESS PILOT PROGRAM

Pursuant to San Mateo County Ordinance Chapter 3.68 approved in Fall 2018, there are expanded recreational opportunities for dogs in County Parks. As part of the adopted ordinance, Park Staff was directed to develop:

- a recommendation for a pilot program that would expand on-leash dog access opportunities, and
- a recommendation for an off-leash dog access pilot program.

In early 2020, the Parks Department presented the Parks Commission with a recommendation for an Off-Leash Dog Recreation Pilot Program. The program and policies were developed with the guidance of the San Mateo County Parks Dog Pilot Project Work Group.

The Off-Leash Dog Recreation Pilot Program is scheduled to occur at Quarry County Park and Pillar Point Bluff Park and run for twelve months. The policy guidelines require dogs:

- be under voice and sight control
- must remain on designated and signed trails
- cannot be more than twenty-five feet from their owner and within view and earshot
- be in physical contact with their owner when approaching or being approached by other park users

Most trails in Quarry County Park have been identified as an off-leash trail in the Dog Access trial. See Figure 5-1 for recommended off-leash trails. Eight evaluation criteria will be used to measure the success of the Off-Leash Dog Access Pilot Program. The evaluation criteria orient around environmental impacts, visitor interactions, parks resources, and park use.

In November 2021, the Board of Supervisors approved the Mitigated Negative Declaration. The program requires a Coastal Development Permit, which was denied at a February 2022 meeting due to opposition of the Pillar Point Bluffs, and is being appealed to the Board of Supervisors for off-leash dog access only at Quarry County Park.

At the end of the twelve-month pilot program, the Parks Department will review the results to determine if the Off-Leash Dog Access should continue and under what conditions, and a Coastal Development Permit would be secured to memorialize off-leash dog access long term.



Figure 5-1: Recommended Trails to Trial Dog Off-Leash Access (Source: San Mateo County Parks Dept)



Figure 5-2: Pump Track Layout



Pump track

VISITOR FACILITIES & AMENITIES

PUMP TRACK

A virtual workshop to gather community input on the pump track design was held in November 2020, and a virtual survey was released for three weeks thereafter. From these efforts, a preferred concept was identified in December 2020. In January 2021, the pump track design was adopted by the Parks and Recreation Commission. At the July 2021 Planning Commission, the Coastal Development Permit for the pump track received approval (4-1). Construction is expected to occur in Spring 2022.

The pump track project designed for Quarry County Park includes two pump tracks (one for beginners and one for intermediate or advanced riders) and a skill building trail. The pump track will occupy less than one acre of the meadow area adjacent to the corporation yard and will be fenced and clearly signed. The track surface will be dirt with no impervious surface or underground drainage system as a part of the pump track area.

Other features of the pump track area include hose bibs for dust control, a storage area for supplies for routine maintenance, benches, a bike “Fix-It Station” and an access path from the parking area. Water for the hose bibs will be sourced from the non-potable water line from the reservoir.

The Parks Department teamed with the Granada Community Services District, with GCSD providing \$100,000 towards construction. The San Mateo County Parks Foundation and Coastside Mountain Bikers also contributed funding toward construction. County funding was provided by the Midcoast Park and Recreation Development Fund, which raises money through building fees charged for construction and large remodels in the Midcoast area.

NATURAL RESOURCE MANAGEMENT

FIRE RISK MANAGEMENT

The South Ridge Fire Road was determined to be a priority for CalFire so first responders can access the park in case of a wildfire. The project was at 60% design when a potential landslide area was encountered, requiring further assessment. The project has been transferred to Public Works as a Capital Project. Fuel reduction and fire vehicle access are priorities of the County and CalFire.

The County started a Forest Health and Community Safety Initiative to improve forest health in parks near private dwellings. The Initiative created the San Mateo County Park Department’s 2021-2026 Wildfire Fuel Management Program, which identifies thirty-two fire hazard reduction and fire access projects across the County. Using criteria such as public safety, fire risk, site conditions, ecology, effort, and funding, the identified projects are ranked to prioritize projects that can slow fire spread to increase evacuation time and increase time for first responders to begin fire containment and suppression activities.

The report includes three projects in Quarry County Park. More information about the 2021-2026 program report, and the information used to generate the list of thirty-two hazard reduction and fire access projects, can be found on the County’s website.

1. **Maintain Governor’s Quarry Park Fuel Reduction**
Size: 83 acres Ranked #2 Figure 5-55

Maintenance of nearly 100 acre of fuels reduction within Quarry County Park originally installed in 2019 through mechanical, manual and chemical means.

2. **Create and Maintain a Shade Fuel Break Along Fire Roads in Quarry Park and Mirada East**

Size: 97 acres Ranked #16 Figure 5-66

Strategic large tree removal within Quarry County Park and Mirada Surf East to meet minimum clearances required by CalFire for emergency access.

3. **Create and Maintain a Shaded Fuel Break Along Western Park Boundary**

Size: 12 acres Ranked #8 Figure 5-77

Re-create a fuel break by removal of all trees and non-native woody vegetation within 200’ of Park Boundary with the Community of El Granada.

Prior to the creation of the 2021-2026 program report, Quarry County Park required a wildfire fuel management project at the direction of the Governor (Figure 5-3). In 2019, initiated and completed because Governor Newsom issued Executive Order N-05-19, CalFire was directed to identify immediate and long-term projects to prevent destructive wildfire. Quarry County Park was listed as the sixteenth priority of thirty-five identified critical fuel reduction projects across the state. The Governor proclaimed a State of Emergency due to risk of wildfires and directed CalFire to immediately implement the identified fuel reduction projects.

The intention of the 2019 project was to



Before and after CalFire 2019 fuel reduction project

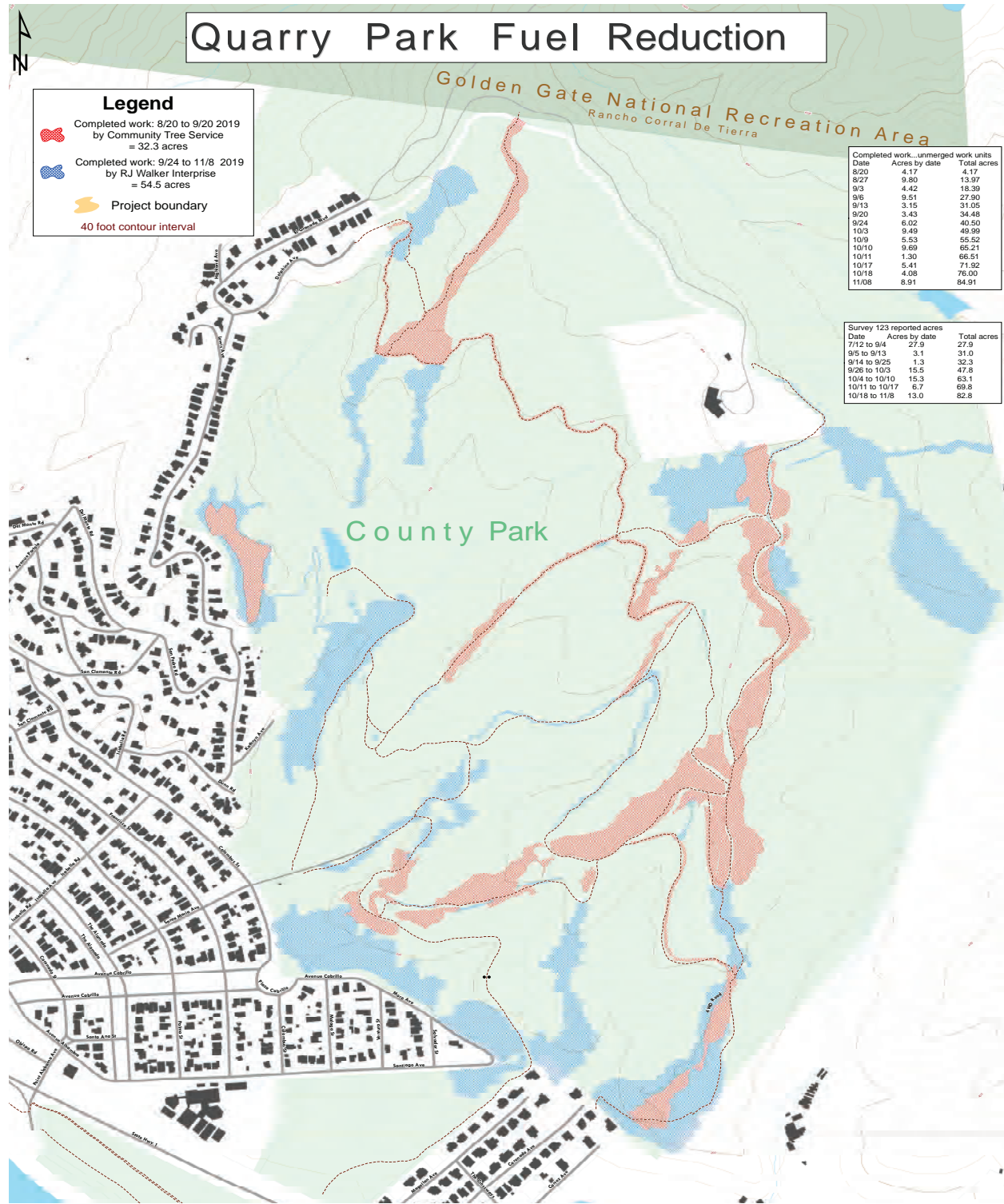
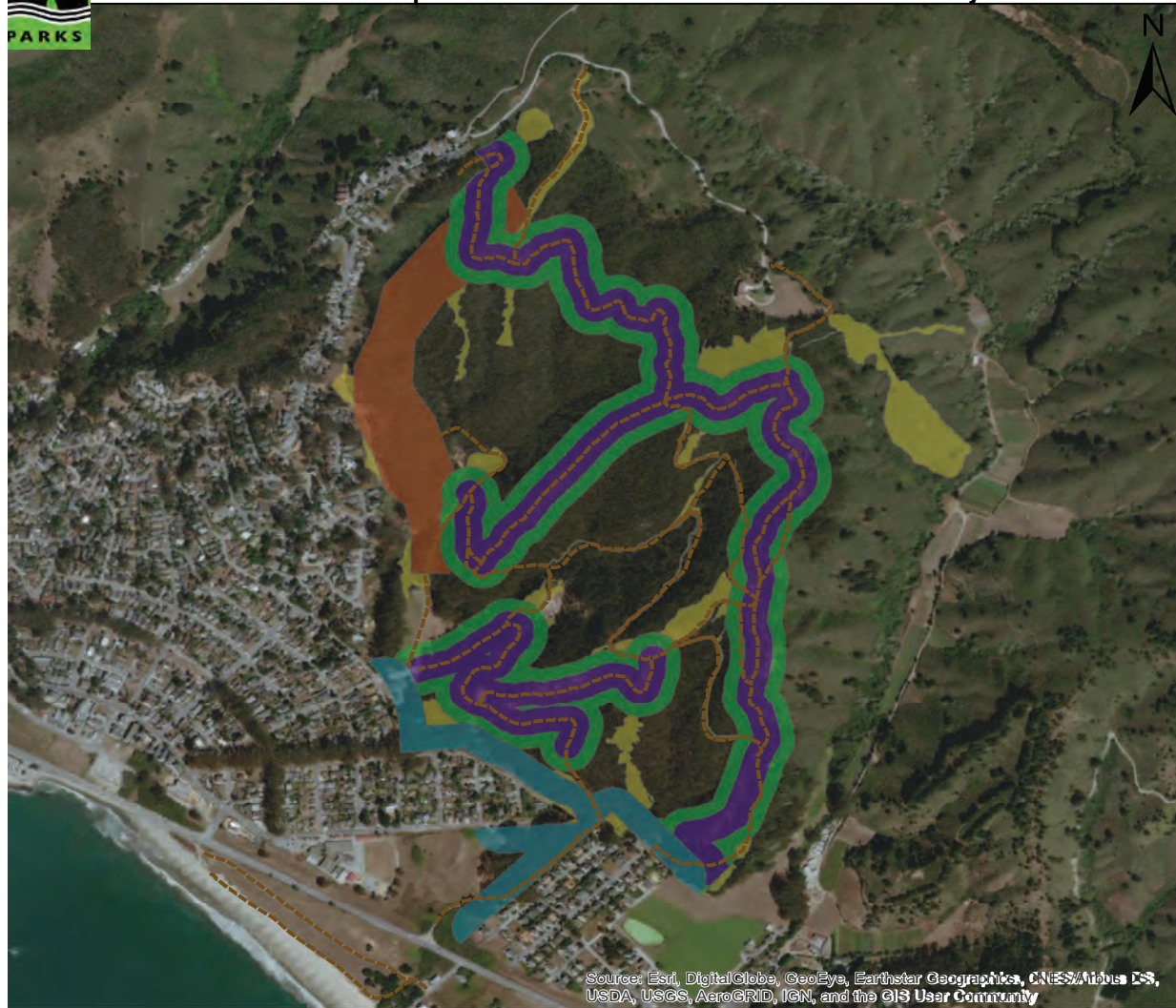


Figure 5-3: 2019 CalFire Fuel Reduction Project (Source: CalFire)



Quarry County Park All Planned or Implemented Fuel Reduction Projects



Legend

- - - - - Trails
- Create and Maintain a Shaded Fuel Break Along Fire Roads in Quarry Park and Mirada East (100-foot shaded fuel break)
- Create and Maintain a Shaded Fuel Break Along Fire Roads in Quarry Park and Mirada East (200-foot tree removals)
- Create and Maintain a Shaded Fuel Break Along Fire Roads in Quarry Park and Mirada East (El Granada swath)
- Create and Maintain a Shaded Fuel Break Along Western Park Boundary
- Maintain Governor's Quarry Park Fuel Reduction Project

Figure 5-4: 2021 All Planned or Implemented Fuel Reduction projects in Quarry County Park (Source: San Mateo County Parks Dept)

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thin understory eucalyptus along existing fire access roads within and along the park and perimeter to protect the adjacent community of El Granada, primarily single-family residences. CalFire performed approximately 83 acres of fuel reduction, improving the park's shaded fuel breaks.

The 2021-2026 program report includes a project for ongoing maintenance to maintain the fuels reduction, see Figure 5-5. It is ranked as the second priority project in the 2021-2026 Project report (Project #2 - Maintenance of 2019 Governor's Emergency Fuels Reduction Project). The project began in Summer 2021 and will require annual

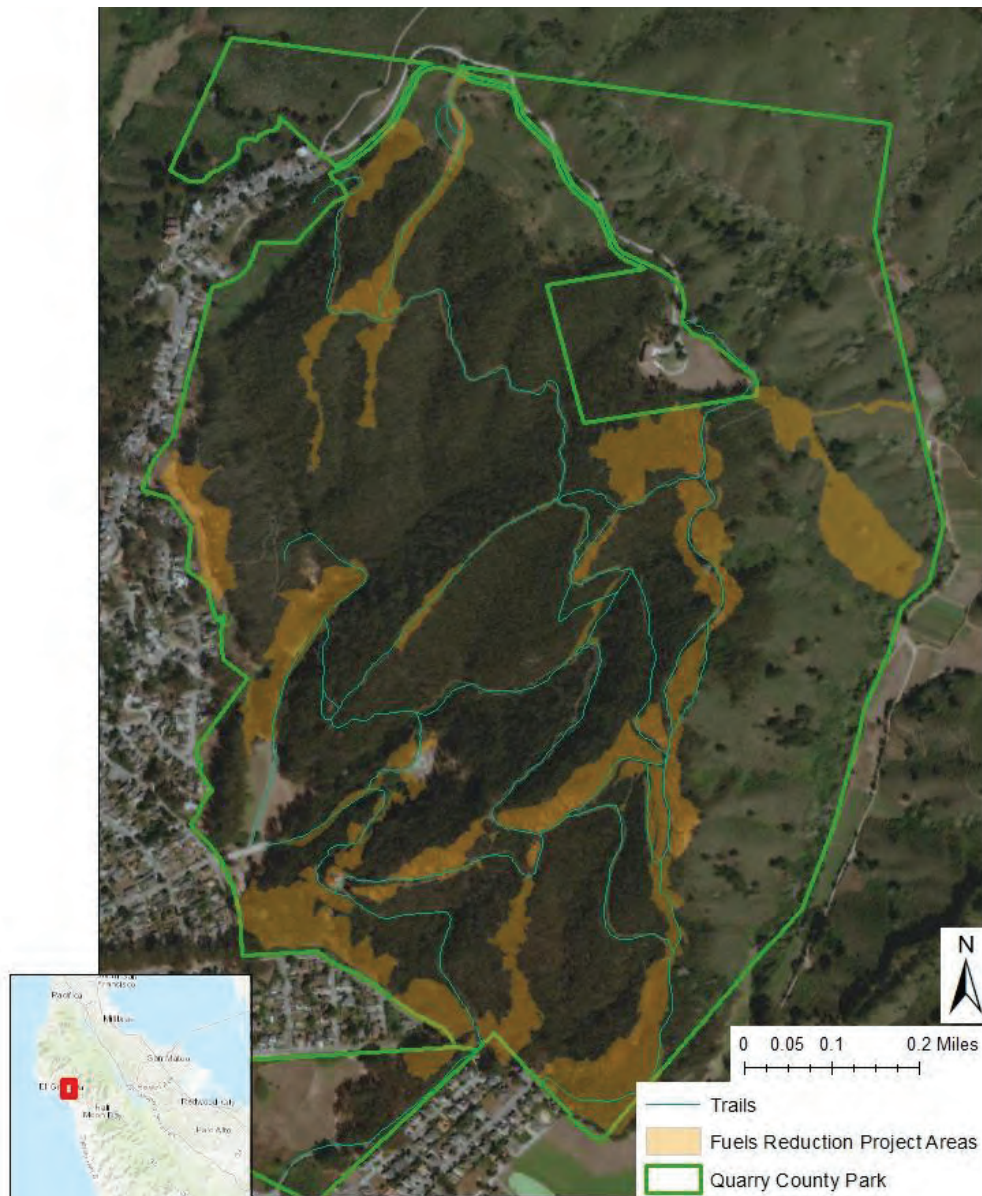


Figure 5-5: Maintain Governor's Fuel Reduction Project (Ranked #2) (Source: San Mateo County Parks Dept)

maintenance.

The second fire risk management project proposes specific tree removal to meet minimum clearances required by CalFire for emergency access and will address hazard trees that are at risk of causing an obstruction to emergency access in the event of a fire and expand shaded fuel breaks along the park

fire roads, by conducting understory vegetation thinning (Project #16 - Create and Maintain a Shaded Fuel Break Along Fire Roads in Quarry Park and Mirada East). See Figure 5-66 for project area, which is focused on fuel work within 200 feet of fire roads. The project was awarded grant funding in summer 2021. The State Coastal Conservancy



Figure 5-6: Grant-funded Fuel Break Project (Ranked #16) (Source: San Mateo County Parks Dept)

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awarded \$1 million to fund a fire mitigation project covering 100 acres, which was initiated in 2021. San Mateo County Parks partnered with the San Mateo Resource Conservation District for the effort. The project is scheduled to start in August 2021 and continue through 2023. Maintenance is required on a five year interval once completed.

The third fire risk management project identified in Quarry County Park (Project #8 - Create and Maintain a Shaded Fuel Break Along Western Quarry Park Boundary) re-creates a fuel break within 200 feet of the southwestern edge of Quarry County Park. See Figure 5-77 for identified project area from the park entrance south along

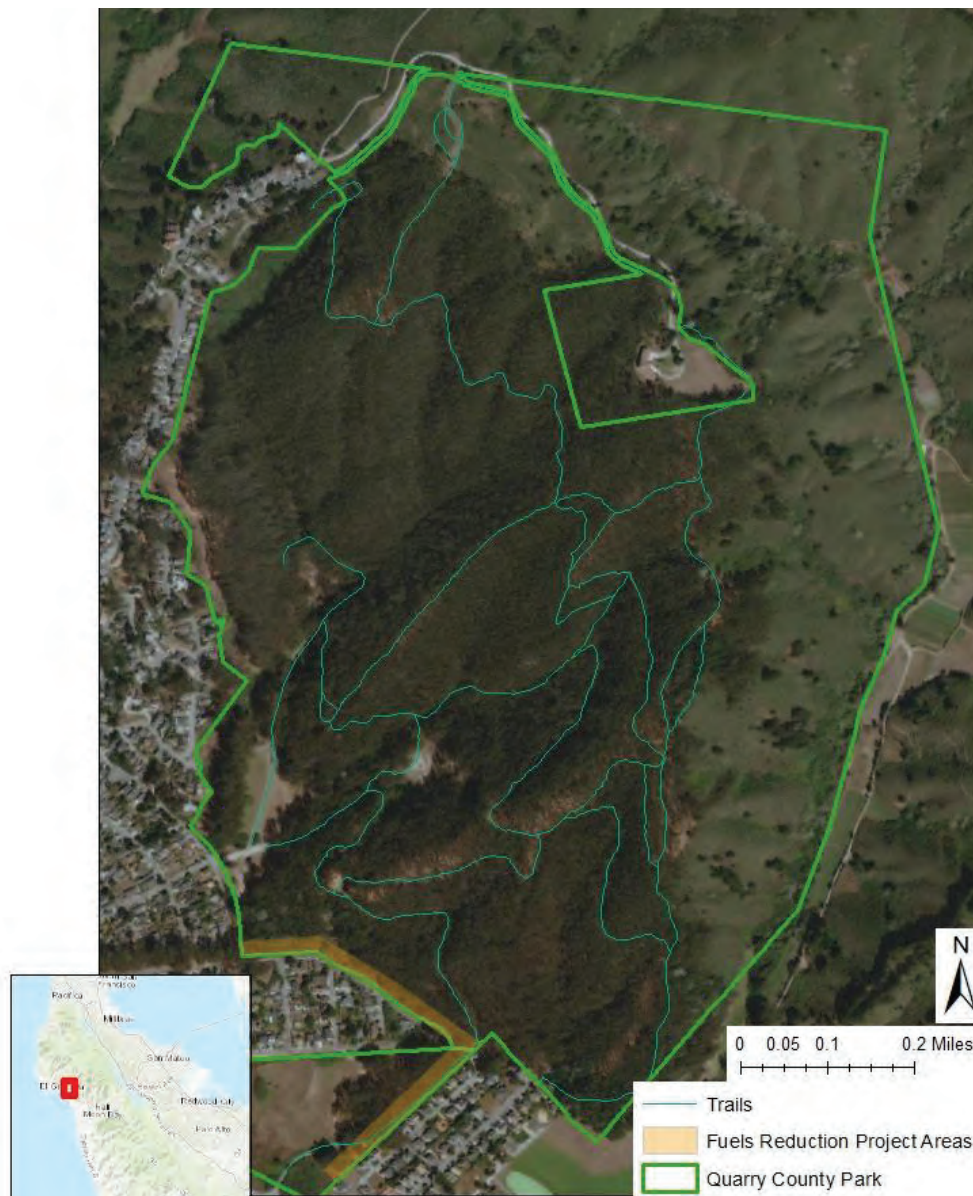


Figure 5-7: Fuel Break Project Along Western Boundary (Ranked #8) (Source: San Mateo County Parks Dept)

Columbus to South Moro Ave, Santiago Ave, Magellan Ave, and Coronado Ave. This project is scheduled to occur over a two-year period (2022-2023) if grant funding is awarded, and would require annual maintenance.

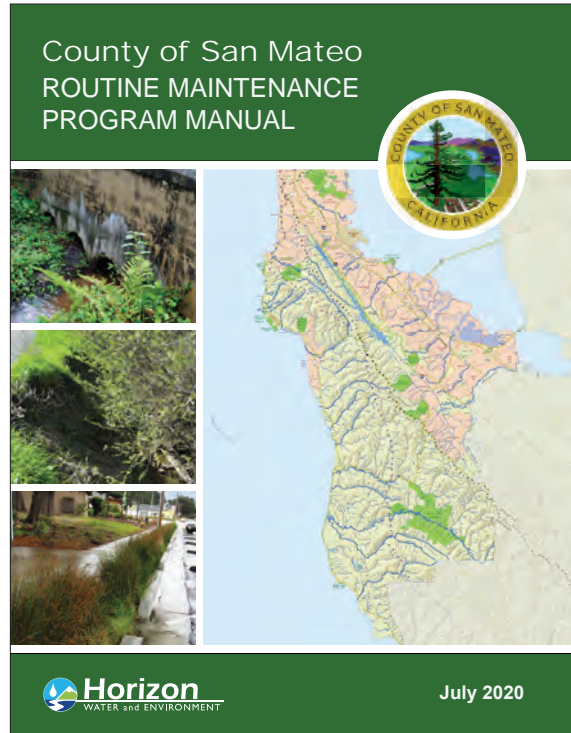
ROUTINE MAINTENANCE PROGRAM

The Parks Department and Public Works Department collaborated to create the San Mateo County Routine Maintenance Program Manual, released in 2020. Maintenance for these two departments primarily focuses on vegetation management and sediment removal along roads, trails, ditches, swales, and low impact development features; culvert repair/replacements; roadside slide and slip-out repairs; bank stabilization; and other maintenance at campgrounds, marinas, airports, flood control facilities, and bridges.

The Maintenance Manual identifies maintenance objectives, outcomes, and standards for the County, and describes natural resource areas and specific site conditions with anticipated routine maintenance. It does not include emergency or unplanned repair work. Guidance and Best Management Practices are geared to avoid potential environmental impacts that might occur during maintenance activities. Additionally, the document details administrative and reporting activities required. The Maintenance Manual serves as the basis and project description for CEQA compliance and permit development.

DAM & RESERVOIR MAINTENANCE

A Coastal Development Permit was approved in August 2019 to remove vegetation on the dam levee, install a new valve, new 1,500 foot water lines to the Entry Meadow, and a new strainer at the reservoir. The water line will provide non-potable water to the meadow irrigation, the existing community garden, and for fire suppression. At



Potential irrigation water source

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this time, the vegetation over the dam is being removed in phases. The rest of the project has become a Capital Improvement Project that will be managed by Public Works. It is expected to be completed in Fiscal Year 2022-2023.



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