



Photo on reverse: Planning team members hiking on a park trail

CHAPTER 6: PUBLIC REVIEW

6.1 INTRODUCTION

On March 21, 2008 the California Department of Parks and Recreation (Department) released to the general public and public agencies the Preliminary General Plan/Draft Environmental Impact Report for Butano SP.

In accordance with PRC Section 21091 and CEQA Guidelines Section 15087, a 45-day public review period for the Draft EIR was provided. The public was advised of the availability of the Preliminary General Plan/Draft EIR through public notices (Notice of Availability) and notification on the Department's web site. The Notice of Availability was also posted with the San Mateo County Clerk. Copies of the Preliminary General Plan/Draft EIR were available for review at the following locations: California State Parks - San Mateo Coast Sector Office, Año Nuevo State Park Office, Santa Cruz District Office, Planning Division (Sacramento); San Mateo County libraries - Half Moon Bay Library, Pacifica-Sharp Park Library, Portola Valley Library, Woodside Library; Santa Cruz County libraries - Central Branch, Boulder Creek Branch, Scott's Valley Branch, Felton Branch; Santa Clara County libraries - Cupertino Library, Los Altos Library, Saratoga Library; and on the State Parks web site.

The public review period ended May 5, 2008. During the public review period comments on the plan and the environmental issues evaluated in the Draft EIR were received from agencies and individuals. This section provides a list of the agencies and people commenting, copies of the original comment letters, and the Department responses to written comments received during the 45-day public review period.

The focus of the response to comments is on the disposition of environmental issues that have been raised in the comments, as specified by CEQA Guidelines Section 15088(b), but also includes responses to pertinent planning considerations of the General Plan.

6.2 LIST OF COMMENTERS

This section provides a list of all public comments received on the Preliminary General Plan/Draft EIR during the public review period. **Table 6-1** indicates the commenter/organization that prepared written comments and the date the comment(s) were received.

Table 6-1: List of Written Comments Received

Letter #	Commenter	Agency/ Organization/ Individual Represented	Date Received
1	George Allen		May 4, 2008 (email)
2	Denise M. Tsuji	Department of Toxic Substances Control	May 5, 2008 (email)

6.3 COMMENT LETTERS & RESPONSES

This section provides a complete copy of the written comments received on the Preliminary General Plan/Draft Environmental Impact Report for Butano SP, and presents responses to significant environmental issues raised in the comments, as required by CEQA Guidelines Section 15132, as well as comments pertaining to the Preliminary General Plan.

Each letter is reproduced in its entirety, including attachments. Each letter and comment corresponds to Table 6-1. The responses to comments follow each letter. Revisions to text in the General Plan/EIR are shown with a strikethrough or underline. Text that has a ~~strikethrough~~ has been deleted from the General Plan/EIR. Text that has been added is presented as single underlined.



Letter 1

From: George Allen [georgej.allen15@gmail.com]
Sent: Sunday, May 04, 2008 5:07 AM
To: General, Plan
Subject: Butano State Park General Plan Project-Comments
Attn: Ellie Wagner, Project Manager

Regarding the Butano State Park, we are adjacent private landowners with concerns as addressed in our letter to the County of San Mateo in 2007 when APN 089-120-30 was acquired for transfer to the Park by Save the Redwoods. It is a fact that our land and that of other adjacent private land owners lie in a designated Timber Harvest Zone. As more land is removed for Parks and the intended resource value of the land is thwarted, the intent of the Timber Harvest Zone is negated. We manage our private forest in a prescribed manner and have participated in State programs to this end which included thinning and re-seeding with young trees. Having cared for our forest since 1945, before there was a Butano Park, we fear that undue restrictions by further Park expansion may hamper our future plans for Timber Harvest plans to thin our trees' canopy for optimum healthy growth.

1A

We are also concerned for the safety of an increase of unwitting hikers who may trespass and suffer an injury on our property.

We have gone for years without any vandalism problems until last year when theft and property damage occurred. We are concerned that this activity will escalate with Park expansion and ask that you address this issue and that of trespass and liability on your part. We realize your intentions are good, but the rights of the private property owner must be felt as one of your priorities. We are family landowners, and are deeply attached to our small slice of the forest. We need assurances that our children won't lose any part of what our generation has enjoyed given our above concerns- especially those areas of liability which would jeopardize the family forest plans and subject us to an economic disaster should personal injury occur.

1B

George Allen
Managing Owner
APN 089-120-020
Butano Forest-A renewable resource



Response to Letter 1 George Allen

- 1A –** Thank you for providing your comments and concerns to State Parks as an adjacent property owner to Butano State Park. You stated in your letter that your property is currently in a timber harvest zone, as are additional properties surrounding the park.

The Butano State Park Preliminary General Plan has not caused a change in the zoning of your property and it does not specifically impose any restrictions on adjacent private property. The park manages its forest property using a variety of methods to maintain healthy forests and enhance management for timber. See the Butano State Park Preliminary General Plan/Draft EIR guidelines **Geology/Hydrology 4** and **9** regarding participating with others, including resource agencies and adjacent landowners, to address sediment issues and to prepare watershed management plans and assessments; and guidelines **Vegetation 1, 2,** and **4** regarding establishing habitat restoration programs in areas of past disturbance and using prescribed fire as part of a vegetation management strategy. These management methods will not impose restrictions on neighboring property.

The California Department of Forestry and Fire Protection (Cal Fire) enforces the laws that regulate logging on privately owned lands in California. These laws are found in the Forest Practice Act which include appropriate buffer zones on properties adjacent to designated recreation areas or located in the coastal zone. Additional rules are enacted by the State Board of Forestry and Fire Protection to ensure resource protection during logging operations.

Property added to the State Park could result in additional requirements by Cal Fire during timber harvest for established buffer zones on private properties adjacent to recreation lands. The State Parks property acquisition process includes environmental review and contains provisions for public comment.

- 1B –** The Department regards adjacent private lands and facilities as an important consideration when planning for specific State Park area facilities and activities for the public. The Department will work in cooperation



with adjacent property owners to minimize trespass situations. Examples of actions may include posting signs at property boundaries, cost sharing for fencing along a common property line, and providing visitor information at the park entrance and major trailheads. This information would contain park maps with the park roads, trails, and property boundaries clearly delineated and with a reminder to visitors to respect neighboring property and to avoid trespassing on private property.

Guideline **Trails 4** emphasizes the Department's commitment to take appropriate actions to ensure the public knows where State Park property boundaries are located, and that the boundaries are properly signed where appropriate. This guideline demonstrates the high priority of neighboring properties in the Department's decisions. Implementation will help provide adequate public information about private and public boundaries. As stated in guideline **Trails 4**, "Trails in the park and region are often adjacent to private property...Provide signs clarifying public property boundaries where necessary and provide trail users with information regarding park rules, wayfinding, and regulations to minimize public/private use conflicts and trespassing." Priority for sign placement will be in areas of visitor use that are located adjacent to private property, such as along roads and trails.

The current plan does not specifically propose additional access or visitor services adjacent to your property that would cause an increase in visitor use or trespassing. Future site specific proposals in the park will require public review and you will have additional opportunities to comment at that time.



Linda S. Adams
Secretary for
Environmental Protection



Department of Toxic Substances Control

Maureen F. Gorsen, Director
700 Heinz Avenue
Berkeley, California 94710-2721



Arnold Schwarzenegger
Governor

May 5, 2008

Ms. Ellie Wagner
Department of Parks and Recreation
1415 9th Street
Sacramento, California 95814

Dear Ms. Wagner:

Thank you for the opportunity to comment on the draft Environmental Impact Report (EIR) for the Butano State Park General Plan (Project) (SCH# 2003102090). As you may be aware, the California Department of Toxic Substances Control (DTSC) oversees the cleanup of sites where hazardous substances have been released pursuant to the California Health and Safety Code, Division 20, Chapter 6.8. As a Responsible Agency, DTSC is submitting comments to ensure that the environmental documentation prepared for this project under the California Environmental Quality Act (CEQA) adequately addresses any remediation activities pertaining to releases of hazardous substances.

According to the draft EIR, the proposed Project will address key planning issues at Butano State Park. The Project would provide a framework for developing individual projects, which include visitor facilities and amenities, public access and circulation, and wildlife and resource protection, and property acquisition. Historic uses at the Park include homesteads, dairy operations, logging, sawmills, agriculture, and goat and turkey farming.

The Hazards and Hazardous Materials section of the draft EIR states that ground disturbance during construction may expose hazardous materials, especially in areas of historic land uses. DTSC strongly recommends that an assessment of historic uses be conducted for each project developed under the General Plan. This information can be used to determine whether hazardous substances may have been released into the soil at the project location. Based on this information, sampling should be conducted to determine whether a release has occurred.

2A

The draft EIR states that if hazardous materials are found in the park, including during construction, building removal, renovation, and maintenance activities, all regulations for hazardous materials transport, use, and disposal will be adhered to, following State Park policies and procedures. DTSC recommends stating in the EIR that any releases of hazardous substances found at a specific project site will need to be addressed as

2B

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Ms. Ellie Wagner
May 5, 2008
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part of the CEQA compliance document for the project. For example, if remediation activities at the property include the need for soil excavation, the CEQA compliance document for the project should include: (1) an assessment of air impacts and health impacts associated with the excavation activities; (2) identification of any applicable local standards which may be exceeded by the excavation activities, including dust levels and noise; (3) transportation impacts from the removal or remedial activities; and (4) risk of public upset should be there an accident at the individual project site.

**2B
cont.**

DTSC and the Regional Water Quality Control Boards (Regional Boards) signed a Memorandum of Agreement, March 1, 2005 (MOA) aimed to avoid duplication of efforts among the agencies in the regulatory oversight of investigation and cleanup activities at brownfield sites. Under the MOA, anyone requesting oversight from DTSC or a Regional Board must submit an application to initiate the process to assign the appropriate oversight agency. The completed application and site information may be submitted to either DTSC or Regional Board office in your geographical area. The application is available at <http://www.calepa.ca.gov/brownfields/MOA/application.pdf>.

If you have any questions, please contact Allan Fone of my staff at (510) 540-3836. Thank you in advance for your cooperation in this matter.

Sincerely,



Denise M. Tsuji, Unit Chief
North Coast Cleanup Operations

cc: Governor's Office of Planning and Research
State Clearinghouse
P. O. Box 3044
Sacramento, CA 95812-3044

Guenther Moskat
CEQA Tracking Center
Department of Toxic Substances Control
P.O. Box 806
Sacramento, California 95812-0806



Response to Letter 2
Department of Toxic Substances Control
Denise M. Tsuji, Unit Chief

- 2A -** Thank you for your comments on the Butano State Park Preliminary General Plan and Draft EIR. As stated in Chapter 5, Environmental Analysis, this EIR is a first tier document and is intended to provide broad guidance followed by more detailed information and environmental analysis of development projects in subsequent environmental documents. The general plan is the primary management document for a park, establishing its purpose and management direction for the future.

Site specific projects will follow approval of this general plan and will provide more detailed information directly related to the proposed project. An assessment of historic uses would be conducted as appropriate as part of the site specific studies undertaken at this future more detailed level of planning. As stated in your letter, the results of these studies may lead to further detailed investigations, such as sampling, to determine if a release of hazardous materials has occurred.

- 2B -** The Department is committed to following all regulations and State Parks policies regarding hazardous materials. The Preliminary General Plan/Draft EIR states that "all park plans and projects shall be in compliance with state and federal permitting and regulatory requirements and subject to subsequent tier CEQA review ..." As noted on page 5-14, the Preliminary General Plan/Draft EIR states that "If hazardous materials are found in the park,... all regulations for hazardous material transport, use, and disposal will be adhered to, following Department policies and procedures (Department Operations Manual, Chapter 0800, Hazardous Materials)." To further emphasize and clarify State Parks commitment to public safety, the following text revisions will be made in the final General Plan/EIR:

Section 5.6, Impact Analysis, Hazards and Hazardous Materials, Impact Analysis

If hazardous materials are found in the park, including during construction, building removal, renovation, and maintenance activities, all regulations for hazardous material transport, use,



and disposal will be adhered to, following Department policies and procedures (Department Operations Manual, Chapter 0800, Hazardous Materials). Any releases of hazardous substances found at a specific project site shall be addressed as part of the CEQA compliance document for the project.





Photo on reverse: Trail Camp

CHAPTER 7: REFERENCES

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Appendix A	Location of EIR-Required Content in the General Plan/EIR
Appendix B	Publicly-Owned Recreational Facilities in the Vicinity of Butano State Park
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Photo on reverse: Former landing strip

APPENDIX A**Location of EIR-Required Content in the General Plan/EIR**

CEQA Guidelines Content	Location in General Plan/EIR
Section 15122. Table of Contents or Index	Beginning of this document/Table of Contents
Section 15123. Summary	Executive Summary
Section 15124. Project Description	Ch. 4 Park Plan (description) Sec. 5.3 Project Description (summarized) Ch. 1 Introduction (information about project objective and general plan process)
Section 15125. Environmental Setting	Ch. 2 Existing Conditions Sec. 5.4 Environmental Setting
Section 15126. Consideration and Discussion of Environmental Impacts	Ch. 5 Environmental Analysis
(a) (and Section 15126.2) Significant Environmental Effects of the Proposed Project	Sec. 5.6 Environmental Impacts
(b) Significant Environmental Effects Which Cannot be Avoided if the Proposed Project is Implemented	Sec. 5.7 Other CEQA Considerations, Unavoidable Significant Environmental Effects
(c) Significant Irreversible Environmental Changes Which Would be Involved in the Proposed Project Should it be Implemented	Sec. 5.7 Other CEQA Considerations, Unavoidable Significant Environmental Effects
(d) Growth-Inducing Impact of the Proposed Project	Sec. 5.7 Other CEQA Considerations, Growth-Inducing Impacts
(e) (and Section 15126.4) The Mitigation Measures Proposed to Minimize the Significant Effects	Ch. 4 Park Plan, Goals and Guidelines (intended to minimize adverse environmental effects) Sec. 5.6 Environmental Impacts
(f) Alternatives to the Proposed Project	Sec. 5.8 Alternatives to the Proposed Action
Section 15127. Limitations on Discussion of Environmental Impact	Sec. 5.7 Other CEQA Considerations, Significant Irreversible Environmental Changes
Section 15128. Effects Not Found to be Significant	Sec. 5.5 Environmental Effects Eliminated from Further Analysis
Section 15129. Organizations and Persons Consulted	Ch. 7 References
Section 15130. Discussion of Cumulative Impacts	Sec. 5.7 Other CEQA Considerations, Cumulative Impacts
Section 15131. Economic and Social Effects (optional topic)	Ch. 4 Park Plan Throughout the document under discussions of recreation and visitor experience

APPENDIX B

Publicly-Owned Recreational Facilities in the Vicinity of Butano State Park

NAME OF FACILITY	CAMPSITES	PICNIC SITES	TRAILS	OTHER(S)	COMMENTS
STATE PARKS					
Año Nuevo SNR	None	10 picnic tables	3-mile round trip		Guided tours to view the seals
Año Nuevo SP	None	None	The 1.5-mi. Whitehouse Ridge Trail connects with Big Basin		
Big Basin Redwoods SP – Inland	233 campsites park-wide, in campgrounds trail and horse camps	135 picnic sites	64.2 miles trails for hiking. Biking, horseback riding on fire roads only		Guided nature walks and campfire programs offered year-round
Big Basin Redwoods SP - Rancho del Oso	Horse camp with 6 units	4 picnic sites at the horse camp	~.5 mi. west end of Skyline –to-the-Sea trail; ~.5 mile Marsh Trail; ~.5 mi. connection to other park trails	Nature Center	
Portola Redwoods SP	53 tent spaces: 1 for disabled, 9 tent/RV; 4 walk-in group camps: 3 hold 50, 1 holds 25; also 6 sites for backpackers	Group day use for 75; also 2 parking for 30 cars; 3 picnic areas with 20 sites	18 miles of trails - hiking only		
Castle Rock SP	Primitive for backpackers only: 26 units	None	32+ miles: hiking, riding trails	Rock climbing	The 6.5 miles of the Skyline-to-the-Sea trail closest to Castle Rock is in that park. Only one fire road open to bikes to access the trail camp.
Henry Cowell Redwoods SP	110 campsites	Group picnic for 50-60; 15 family sites	20 miles: hiking, riding; bikes on paved or fire roads	Nature Center; nature trail	The Roaring Camp and Big Trees Railroad is in the park

NAME OF FACILITY	CAMPSITES	PICNIC SITES	TRAILS	OTHER(S)	COMMENTS
<i>COUNTY PARKS - San Mateo County</i>					
Pescadero Creek	Primitive walk-in camps (18 sites in two groups)	None	46.8 miles with loops; for hikers & equestrians	Biking on designated service roads only; Important plant and wildlife resources	Trail connections to Sam McDonald, Memorial and Portola Redwoods parks; also Hikers' Hut, a hostel run by the Sierra Club, with a capacity of 14 people
Memorial Park	156 campsites; 6 youth grp areas; 2 group camps (75 people each)	4 reservable picnic areas (350 people max.)	12.5 miles of hiking and interpretive trails	Campfire center	Emphasis on interpretation: walks, programs
Sam McDonald	3 youth group camps (300 capacity); also horse camp for individuals or groups (8 sites, 80 people max.)	None	6.7 miles for hikers, joggers, and equestrians	Biking on designated service roads only	Trail connections to Memorial and Pescadero Creek parks; park has volunteer program
Heritage Grove	None	None	1.5 miles	Largest redwood trees in the Santa Cruz Mts.	Used for access to Pescadero Creek Park and the Hikers' Hut.
<i>COUNTY PARKS - Santa Cruz County</i>					
Ben Lomond Park	None	12 picnic sites	No trails; street parking only	1-acre neighborhood park	Basketball court, playground; historic dam
Felton Covered Bridge	None	6 picnic sites	~1/4 mile trail around park	32 parking spaces	Covered bridge; recreational amenities include a volleyball court, playgrounds, lawn, fishing
Highlands Park	None	2 reservable group sites; ~12 family picnic sites	~1/2-mile trails	26 acres	Reservable house, sports field

NAME OF FACILITY	CAMPSITES	PICNIC SITES	TRAILS	OTHER(S)	COMMENTS
Quail Hollow Ranch	None	10 picnic sites	3.5 - 4 miles of trails	Gravel lot - 50 cars	Emphasis on interpretation of natural resources; docent-led walks, nature programs available (also has historic ranch house, pond - no fishing), weddings
COUNTY PARKS - Santa Clara County					
Sanborn County Park	13 RV sites plus 1 for disabled persons; 1 youth group camp for 35-40; 1 walk-in campground with 33 sites	3 reservable grp areas: 2 hold 100; 1 holds 200; 3 other areas first come first served for up to 420 (42 sites x 10 each)	15 miles of hiking & horse trails; 1-mile nature trail; 267 parking spaces plus 10 for disabled persons	Lake for fishing	Emphasis on nature study, interpretation, ranger-led walks. Is adjacent to Castle Rock State Park and has connecting trails
Upper Stevens Creek	None	None	~8 miles of trails for hiking, mt. biking, and horseback riding; only 5 parking spaces	"Wilderness" experience	
Stevens Creek	None	3 group picnic areas, capacity: 100, 75, and 50 people; also family sites, first come first served, total capacity of 800; 363 parking spaces	~8 miles of trails for hiking, mt. biking, and horseback riding (on specific trails)	Small lake – boating, fishing – no motorized craft	Archery, birding. Adjacent to Midpeninsula Open Space Preserve (Fremont-Older)

NAME OF FACILITY	CAMPSITES	PICNIC SITES	TRAILS	OTHER(S)	COMMENTS
MIDPENINSULA OPEN SPACE DISTRICT					
Russian Ridge Open Space Preserve			8 mi. trails	Open grasslands, wildflowers, wildlife (raptors); views	Connections to: Bay Area Ridge Trail to Skyline Ridge Open Space Preserve
Coal Creek Open Space Preserve			5 mi. trails; hiking, biking, equestrian	Forested areas, seasonal waterfalls	Connections to Skyline Blvd., Russian Ridge, and Portola Valley. Trail loops.
Los Trancos Open Space Preserve			5 mi. trails; no bicycles; 1.5-mi San Andreas Fault Trail	Grasslands, brushlands, forested areas; views	Self-guided geology interpretation along the Fault Trail
Skyline Ridge Open Space Preserve		Several tables at Horseshoe Lake overlook	10 mi. trails; ~2 mi. of accessible trails; 3 mi. of Bay Ridge Trail	Meadows; pond with pier for nature study; lakes; chaparral; ridgetop views	Nature center offers docent-led tours
Monte Bello Ridge Open Space Preserve	Backpack walk-in camp; 4 single sites and 1 group site		~15 mi. trail system for hikers, bikers. Stevens Creek Nature Trail is a self-guided 3-mile loop	Grasslands, creekside forests; vistas; rich wildlife area	The 72-year-old Picchetti Ranch Area is in the southwestern corner of the preserve and features a working winery complex
Long Ridge Open Space Preserve			10 mi. trails	Grasslands and oak, madrone and Douglas-fir forests; great views.	Many connections, possibilities for trail loops. Connects to Skyline Ridge and Saratoga Gap preserves and Upper Stevens Creek County Park; also access from Highway 35 and 3-mile segment of Bay Area Ridge Trail; hiking trail to Portola Redwoods SP

NAME OF FACILITY	CAMPSITES	PICNIC SITES	TRAILS	OTHER(S)	COMMENTS
Saratoga Gap Open Space Preserve			Less than 2 miles of trail; ~1 mile paralleling Skyline Blvd.	Largely Douglas-fir forest	Many trail connections: Sanborn-Skyline Park, Castle Rock SP, Big Basin Redwoods SP, Upper Stevens Cr. Park, Monte Bello Open Space Preserve, Saratoga Gap-Page Mill Rd. trail, Bay Area Ridge Trail; 9-mi. loop through Long Ridge
Fremont Older Open Space Preserve			~9 mi. hiking, biking, and equestrian trails	Open grasslands, brushy hillsides; historic house; vistas	
El Sereno Open Space Preserve			5.6 mi. hiking, biking & equestrian trails	Chaparral	

APPENDIX C

**Privately-Owned Recreational Facilities
in the Vicinity of Butano State Park**

GROUP/ ORGANIZATION	ADDRESS	TYPE OF FACILITY
Environmental Education		
Sempervirens Outdoor School	20161 Big Basin Hwy. Boulder Creek, CA 95066	Environmental education for Bay Area Sixth Graders
Campgrounds available to the general public		
Costanoa	2001 Rossi Rd. Pescadero, CA 94060	Resort and Campground
Cotillion Gardens RV Park	300 Old Big Trees Rd. Felton CA 95018	Campground
Redwood Resort	150 East Grove, Boulder Creek, CA 95006	Campground
River Grove Park	4980 Highway 9 Felton, CA 95018	Campground
Smithwoods RV Park	4770 Highway 9 Felton, CA 95018 or PO Box 27 Felton, CA 95018	Campground
Private campgrounds		
Boulder Creek Scout Reservation	250 Scout Ranch Road (formerly 14586 Bear Creek Rd.) Boulder Creek, CA 95006	Boy Scout Camp
Camp Butano Creek	1400 Canyon Rd. Pescadero, CA 94060	Girl Scout Camp
Camp Chesebrou	25005 Highway 9 Boulder Creek, CA 95006-9078	Boy Scout Camp
Camp Krem	Boulder Creek, CA	Camp for developmentally disabled
Cutter Scout Reservation	2500 China Grade Boulder Creek, CA 95006	Boy Scout Camp
Little Basin	21700 Little Basin Rd. Boulder Creek, CA 95006	Campground and recreation facilities (currently closed; being evaluated for public ownership and use)
Red White and Blue Beach	5021 Coast Rd. Santa Cruz, CA 95060	Campground, day use, beach access (currently closed)
YMCA Camp Jones Gulch	11000 Pescadero Rd. La Honda, CA 94020	YMCA Camp/Lodging
YMCA of the East Bay Camping	990 Pescadero Creek Rd. Loma Mar, CA	YMCA Camp/Lodging
YMCA of the Redwoods, Camp Campbell	16275 Hwy. 9 Boulder Creek, CA 95006-9652	YMCA Camp/Lodging

GROUP/ ORGANIZATION	ADDRESS	TYPE OF FACILITY
Retreats/lodging		
Camp Hammer	21401 Big Basin Hwy. Boulder Creek, CA 95066-9097	Group Retreats/Lodging (Twin Lakes Church ownership; open for Christian groups)
Camp Harmond	16403 Hwy. 9 Boulder Creek, CA 95006	Retreats/Lodging
Mission Springs Conference Center	1050 Lockhart Gulch Rd. Scotts Valley CA 95066	Retreats/Lodging
Mount Hermon Christian Conference Center	PO Box 413 Mount Hermon CA 95041	Retreats/Lodging
Mount Cross Lutheran Camp	PO Box 387 Felton, CA 95018	Retreats/Lodging
Quaker Center	PO Box 686, Ben Lomond CA 95005	Retreats/Lodging
Redwood Christian Park	15000 Two Bar Rd. Boulder Creek, CA 95006	Retreats/Lodging
Redwood Glen Camp and Conference Center	3100 Bean Creek Rd. Scotts Valley, CA 95066	Retreats/Lodging (Salvation Army ownership) 205 acres; 300 people overnight capacity
Taungpulu Monastery	18335 Big Basin Hwy. Boulder Creek, CA 95006	Retreats/Lodging
Vajrapani Institute	19950 Kings Creek Rd. Boulder Creek, CA 95006 or PO Box 213 Boulder Creek, CA 95006	Retreats/Lodging
Overnight accommodations		
Boulder Creek Lodge and Conference Center	16901 Big Basin Hwy. Boulder Creek, CA 95006	Lodge and Conference Center
Pigeon Point Lighthouse Hostel	210 Pigeon Point Rd. (@ Hwy 1) Pescadero, CA 94060-9713	Hostel operated by Hostelling International
Costanoa	2001 Rossi Rd. Pescadero, CA 94060	Lodge, Cabins
Best Western Inn	6020 Scotts Valley Drive Scotts Valley, CA 95066	Motel
Davenport Bed and Breakfast Inn	31 Davenport Avenue Davenport, CA 95017	Bed and Breakfast
Econo Lodge	9733 Highway 9 Ben Lomond, CA 95005-9204	Motel
Fairview Manor Bed and Breakfast Inn	245 Fairview Avenue Ben Lomond, CA 95005	Bed and Breakfast
Felton Crest Inn	780 El Solyo Heights Drive Felton, CA 95018	Bed and Breakfast
Fern River Resort Motel	5250 Highway 9 Felton, CA 95018	Motel
The Hilton Santa Cruz/Scotts Valley	6001 La Madrona Drive Scotts Valley, CA 95060	Hotel

GROUP/ ORGANIZATION	ADDRESS	TYPE OF FACILITY
Jaye's Timberlane Resort	8705 Highway 9 Ben Lomond, CA 95005	Motel
Merrybrook Lodge	13420 Big Basin Way Boulder Creek, CA 95006	Motel
Pescadero Creek Inn Bed and Breakfast	393 Stage Road Pescadero, CA 94060	Bed and Breakfast
Valley View Inn	600 Hacienda Scotts Valley, CA 95066	Bed and Breakfast

*Additional privately-owned overnight accommodations, recreation facilities, and conference facilities are located in Santa Cruz.

APPENDIX D
Existing Trails

**Butano State Park, Big Basin Redwoods State Park,
Año Nuevo State Park**

TRAIL # (as noted on Fig. 4)	NAME	DESIGNATED USE	LENGTH IN PARK (MILES)	# BRIDGES	YEAR CONSTRUCTED
1	Skyline to the Sea	Hiking	14.4	24	1914
		Equestrian	7.2		
2	East Ridge Trail	Equestrian, Hiking	4.6	2	Unknown
3	Eagle Rock Trail	Hiking	1.0	0	1985
4	Shadowbrook Trail	Hiking	2.8	5	Unknown
5	Sequoia Trail	Hiking	2.9	2	1875
6	Pine Mountain Trail	Hiking	1.8	0	1932
7	Basin Trail	Hiking	3.2	0	Unknown
8	Hollow Tree Trail	Hiking	3.2	3	1977
9	Meteor Trail	Hiking	1.0	0	Unknown
10	Creeping Forest Trail	Hiking	1.3	0	Unknown
11	Dool Trail	Hiking	0.8	1	Unknown
12*	Redwood Trail	Hiking, Interpretive	0.6	0	1938
13	Blooms Creek Trail	Hiking	0.6	1	Unknown
14	Sunset Trail	Hiking	4.9	6	1914
15	Howard King Trail	Hiking	4.7	0	1972
16	Timms Creek Trail	Hiking	0.9	0	1914
17	McCrary Ridge Trail	Equestrian, Hiking	2.6	0	Unknown
18	Berry Creek Falls Trail	Hiking	1.1	1	1914
19	Henry Creek Trail	Equestrian, Hiking	2.0	0	1964

TRAIL # (as noted on Fig. 4)	NAME	DESIGNATED USE	LENGTH IN PARK (MILES)	# BRIDGES	YEAR CONSTRUCTED
20	Westridge Trail	Equestrian, Hiking	4.1	0	Unknown
21	Clark Connection	Equestrian, Hiking	1.1	0	Unknown
22	Marsh Trail	Equestrian, Hiking	0.4	0	Unknown
23	Nature Trail	Equestrian, Hiking	0.8	0	Unknown
24	Whitehouse Ridge Trail	Equestrian, Hiking	0.6	0	Unknown
25**	Conn. Sempervirens Campground- Blooms Ck. Campground	Hiking	0.2	0	Unknown
26**	Conn. Blooms Ck. Campground-Park HQ	Hiking	0.4	0	Unknown
27**	Conn. Hihn Hammond-Skyline to the Sea	Hiking	0.4	0	Unknown
28**	Conn. Sunset- Skyline to the Sea	Hiking	0.2	0	Unknown
29**	Conn. Eastridge- Shadowbrook (Hwy. 236)	Hiking	0.2	0	Unknown
30**	Conn. Eastridge- Shadowbrook (Huckleberry)	Hiking	0.4	0	Unknown
31**	Conn. Sequoia- Shadowbrook	Hiking	0.1	0	Unknown

TRAIL # (as noted on Fig. 4)	NAME	DESIGNATED USE	LENGTH IN PARK (MILES)	# BRIDGES	YEAR CONSTRUCTED
32**	Conn. Shadowbrook-Wastahi Campground	Hiking	0.3	0	Unknown
33**	Conn. Shadowbrook-Huckleberry Campground	Hiking	0.1	0	Unknown
34**	Conn. Sequoia Campground-Park HQ	Hiking	0.4	0	Unknown
35**	Sempervirens Falls Trail	Hiking	0.1	0	Unknown
36	Ray Linder Trail	Hiking	1.0	0	Unknown
37	Indian Trail	Hiking	0.9	0	Unknown
38	Canyon Trail	Hiking	2.8	0	Unknown
39	Doe Ridge Trail	Hiking	1.6	0	Unknown
40	Jackson Flats Trail	Hiking	2.8	0	Unknown
41	Butano Creek Trail	Hiking	1.5	0	Unknown
42	Goat Hill Trail	Hiking	1.8	0	Unknown
43	Gazos Trail	Hiking	0.8	0	Unknown
44	Mill Ox Trail	Hiking	0.5	0	Unknown
45	Six Bridges Trail	Hiking	1.0	0	Unknown
46	Año Nuevo Trail	Hiking	1.3	0	Unknown
47	Whitehouse Ridge Trail	Hiking	1.5	0	Unknown
48	New Years Creek Trail	Hiking	0.25	0	Unknown
49	Cove Beach Trail	Hiking	0.04	0	Unknown
50	Pond Loop Trail	Hiking	0.4	0	Unknown
51	Año Nuevo Point Trail	Hiking	1.3	0	Unknown

TRAIL # (as noted on Fig. 4)	NAME	DESIGNATED USE	LENGTH IN PARK (MILES)	# BRIDGES	YEAR CONSTRUCTED
52	Cascade Creek Trail	Hiking	0.5	0	Unknown
53	Whitehouse Creek Trail	Hiking	0.19	0	Unknown
54	Atkinson Bluff Trail	Hiking	1.8	0	Unknown
55	Franklin Point Trail	Hiking	0.6	0	Unknown
56	Unmaintained Trails	Hiking	1.8	0	Unknown
57	Candelabra Trail	Hiking	1.5	0	Unknown

* ADA accessible trail

** Trail/Connector not located/numbered on Existing Roads and Trails Map

Total Hiking Only	73.88
Total Equestrian and Hiking	23.4
TOTAL TRAIL	97.28 miles

APPENDIX E
Existing Roads

**Butano State Park, Big Basin Redwoods State Park,
Año Nuevo State Park**

ROAD # (as noted on Fig. 4)	NAME	DESCRIPTION	TYPE OF USE	LENGTH IN PARK (MILES)	# BRIDGES	YEAR CONSTRUCTED
1	China Grade Road	Road-Paved	Public Road	3.7	0	1880
2	Rogers Road	Road- Paved/Unpaved	Public Road	0.6	0	1880
3	Lodge Road	Road-Paved	Public Road	1.8	0	1903
4	East Ridge Road	Road-Unpaved	Authorized Vehicles, Hiking, Mt. Biking, Equestrian	1.4	0	Unknown
5	Sky Meadow Road	Road-Paved	Public Road	3.8	0	
6	Little Basin Road	Road-Paved	Public Road, Authorized Vehicles	0.6	0	Unknown
7	Pine Mountain Road		Authorized Vehicles, Hiking, Mt. Biking, Equestrian	1.1	1	1960
8	North Escape Road	Road-Paved	Public Road	3.1	1	1895
9	Gazos Creek Road	Road- Paved/Unpaved	Authorized Vehicles, Hiking, Mt. Biking, Equestrian	5.3	0	1934

ROAD # (as noted on Fig. 4)	NAME	DESCRIPTION	TYPE OF USE	LENGTH IN PARK (MILES)	# BRIDGES	YEAR CONSTRUCTED
10	Middle Ridge Road	Road-Unpaved	Authorized Vehicles, Hiking, Mt. Biking, Equestrian	3.8	0	1905
11	Johansen Road	Road-Unpaved	Authorized Vehicles, Hiking, Mt. Biking, Equestrian	1.8	0	Unknown
12	Hihn Hammond Road	Road-Unpaved	Authorized Vehicles, Hiking, Mt. Biking, Equestrian	2.5	1	1940
13	Last Chance Road	Road-Unpaved	Authorized Vehicles, Hiking, Mt. Biking, Equestrian	2.2	0	1970
14	Anderson Landing Road	Road-Unpaved	Authorized Vehicles, Hiking, Mt. Biking, Equestrian	0.9	0	Unknown
15	Whitehouse Canyon Road	Road-Unpaved	Authorized Vehicles, Hiking, Mt. Biking, Equestrian	2.4	0	Unknown

ROAD # (as noted on Fig. 4)	NAME	DESCRIPTION	TYPE OF USE	LENGTH IN PARK (MILES)	# BRIDGES	YEAR CONSTRUCTED
16	Chalks Mountain Road	Road-Unpaved	Authorized Vehicles, Hiking, Mt. Biking, Equestrian	3.1	0	Unknown
17	East Waddell Road	Road-Unpaved	Authorized Vehicles, Hiking, Mt. Biking, Equestrian	5.1	0	1945
18	Upper Canyon Road	Road-Paved	Public Road	0.5	0	1940
19	Lower Canyon Road	Road-Paved	Public Road	0.3	0	1947
20*	Sky Meadow Campground Road	Road-Paved	Public Road	0.2	0	Unknown
21*	Huckleberry Campground Road	Road-Paved	Public Road	1.0	0	1968
22*	Sempervirens Campground Road	Road-Paved	Public Road	0.3	0	1949
23*	Blooms Creek Campground Road	Road-Paved	Public Road	0.4	1	1930
24*	Alder Campground Road	Road-Unpaved	Authorized Vehicles, Hiking, Mt. Biking, Equestrian	0.1	0	1945
25	Highway 236	Road-Paved	Public Road	6.5	0	1929-1938
26	Highway 1	Road-Paved	Public Road	1.2	1	Unknown
27*	Union Creek Road	Road-Unpaved	Public Road	0.2	0	1974

ROAD # (as noted on Fig. 4)	NAME	DESCRIPTION	TYPE OF USE	LENGTH IN PARK (MILES)	# BRIDGES	YEAR CONSTRUCTED
28	Butano Fire Road	Road-Unpaved	Authorized Vehicles, Hiking, Mt. Biking, Equestrian	5.2	6	Unknown
29	Olmo Fire Road	Road-Unpaved	Authorized Vehicles, Hiking, Mt. Biking, Equestrian	3.2	7	Unknown
30	Butano SP Entrance Road	Road-Paved	Public Road	1.0	1	Unknown
31	Gazos Creek Road	Road-Paved	Public Road	3.6	8	Unknown
32	Old Womans Creek Road	Road-Unpaved	Public Road	1.6	5	Unknown
33	Whitehouse Canyon Road	Road-Unpaved	Public Road	1.4	4	Unknown
34	Chalk Mountain Fire Road	Road-Unpaved	Authorized Vehicles, Hiking, Mt. Biking, Equestrian	0.78	3	Unknown
35	Año Nuevo SR Entrance Road	Road-Paved	Public Road	0.4	1	Unknown
36	Año Nuevo SR Service Road	Road-Paved	Authorized vehicles	0.5	2	Unknown

* Road not located/numbered on Figure 4, Existing Roads and Trails

APPENDIX F

Soil Types

Soil Series	Soil type/ Parent Material	Depth and Drainage	Runoff	Permeability	Erosion Hazard	Shrink Swell
Butano	Silt loam Siliceous shales	Moderately deep Well drained	Rapid to moderate	Moderate	Moderate to high	Moderate
Hugo & Josephine	sandy loam to loam Sandstone & Shale	Deep, well to excessively drained	Very rapid	Moderately rapid	Very high	Low to Moderate
Pomponio	Loam to clay loam Shale	Shallow to moderately deep, moderately well drained	Medium	Moderate to slow	High	High
Santa Lucia	Shaley clay loam Shale	Moderately deep, well drained	Very low to high	Moderate	Slight to high	Low

Sources: USDA 1961, 1973, and 2002

APPENDIX G
Beneficial Uses of Water

Beneficial Use	Pescadero Creek	Gazos Creek
Municipal and Domestic Supply (MUN)	√	√
Agricultural Supply (AGR)	√	√
Groundwater Recharge (GWR)		√
Water Contact Recreation (REC1)	√	√
Noncontact Water Recreation (REC2)	√	√
Wildlife Habitat (WILD)	√	√
Cold Freshwater Habitat (COLD)	√	√
Warm Freshwater Habitat (WARM)	√	
Migration of Aquatic Organisms (MIGR)	√	√
Spawning, Reproduction, and/or Early Development (SPWN)	√	√
Rare, Threatened or Endangered Species (RARE)*	√	
Freshwater Replenishment (FRSH)		√

APPENDIX H

Special Status Plant Species for Which Suitable Habitat Exists Within Butano State Park

SPECIES	COMMON NAME	STATUS*	PROBABILITY IN BUTANO SP
<i>Amsinkia lunaris</i>	Bent-flowered fiddleneck	CNPS List 1B, SLC	Possible
<i>Arabis blepharophylla</i>	Coast rock cress	CNPS List 4, SLC	Possible
<i>Arctostaphylos andersonii</i>	Santa Cruz manzanita	CNPS List 1B	Possible
<i>Arctostaphylos glutinosa</i>	Schreiber's manzanita	CNPS List 1B	Not Likely
<i>Calandrinia breweri</i>	Brewer's calandrinia	CNPS List 4	Possible
<i>Calochortus umbellatus</i>	Oakland star-tulip	CNPS List 4	Not Likely
<i>Cirsium andrewsii</i>	Franciscan thistle	CNPS List 1B	Not Likely
<i>Collinsia multicolor</i>	San Francisco collinsia	CNPS List 1B	Possible
<i>Corethrogyne filagnifolia</i> (= <i>C. leucophylla</i>)	Branching beach aster	CNPS List 3	Possible
<i>Cypripedium fasciculatum</i>	Clustered lady's-slipper	CNPS List 4	Not Likely
<i>Cypripedium montanum</i>	Mountain lady's-slipper	CNPS List 4	Not Likely
<i>Elymus californicus</i>	California bottle-brush grass	CNPS List 4	Possible
<i>Erodium macrophyllum</i>	Round-leaved filaree	CNPS List 2	Possible
<i>Erysimum franciscanum</i>	San Francisco wallflower	CNPS List 4	Not Likely
<i>Fritillaria agrestis</i>	Stinkbells	CNPS List 4, SLC	Not Likely
<i>Leptosiphon grandiflorus</i>	Large-flowered linanthus	CNPS List 4	Not Likely
<i>Lotus formosissimus</i>	Harlequin lotus	CNPS List 4	Possible
<i>Microseris paludosa</i>	Marsh microseris	CNPS List 1B	Not Likely
<i>Pedicularis dudleyi</i>	Dudley's lousewort	CNPS List 1B, SR	Not Likely
<i>Perideridia gairdneri</i> ssp. <i>gairdneri</i>	Gairdner's yampah	CNPS List 4	Possible
<i>Piperia michaelii</i>	Michael's rein orchid	CNPS List 4	Possible
<i>Ranunculus lobbii</i>	Lobb's aquatic buttercup	CNPS List 4	Possible
<i>Stebbinoseris decipiens</i>	Santa Cruz microseris	CNPS List 1B	Possible
<i>Trifolium buckwestiorum</i>	Santa Cruz clover	CNPS List 1B	Possible

*Status Codes: SR = State Rare; CNPS List 1B = Plants rare, threatened, or endangered in California and elsewhere; CNPS List 2 = Plants rare, threatened, or endangered in California, but more common elsewhere; CNPS List 3: = Plants about which we need more information; CNPS List 4 = Plants of limited distribution, a watch list; SLC= USFWS Species of Local Concern.

APPENDIX I
Special Status Wildlife Species That Occur, or for Which Potential Habitat Exists
within Butano State Park

TYPE	SPECIES	COMMON NAME	STATUS	PROBABILITY IN BUTANO SP	
AMPHIBIANS	<i>Rana aurora draytonii</i>	California red-legged frog	FT, CSC, CP	Present	
	<i>Ambystoma tigrinum</i>	Tiger Salamander	FT, CSC, CP	Unlikely	
BIRDS	<i>Phalacrocorax auritus</i>	Double-crested cormorant	CSC		
	<i>Ardea herodias</i>	Great blue heron	Local concern		
	<i>Nycticorax nycticorax</i>	Black-crowned night heron	Local concern		
	<i>Accipiter cooperi</i>	Cooper's hawk	CSC		
	<i>Accipiter striatus</i>	Sharp-shinned hawk	CSC		
	<i>Aquila chrysaetos</i>	Golden eagle	CSC, CFP		
	<i>Circus cyaneus</i>	Northern harrier	CSC		
	<i>Elanus caeruleus</i>	White-tailed kite	CFP		
	<i>Falco columbarius</i>	Merlin	CSC		
	<i>Falco peregrinus anatum</i>	American peregrine falcon	SE, CFP		
	<i>Haliaeetus leucocephalus</i>	Bald eagle	CE, FT (FPD), CFP		
	<i>Pandion haliaetus</i>	Osprey	CSC		
	<i>Larus californicus</i>	California gull	CSC		
	<i>Brachyramphus marmoratus</i>	Marbled murrelet	FT, SE, CFP		Present
	<i>Asio otus</i>	Long-eared owl	CSC		
	<i>Cypseloides niger</i>	Black swift	CSC		
	<i>Chaetura vauxi</i>	Vaux's swift	CSC		
	<i>Empidonax traillii</i>	Willow flycatcher	SE		
	<i>Progne subis</i>	Purple martin	CSC		
	<i>Riparia riparia</i>	Bank swallow	ST	Present	
<i>Lanius ludovicianus</i>	Loggerhead shrike	FSC, CSC			
<i>Agelaius tricolor</i>	Tricolored blackbird	FSC, CSC			
<i>Dendroica petechia brewsteri</i>	Yellow warbler	CSC			

TYPE	SPECIES	COMMON NAME	STATUS	PROBABILITY IN BUTANO SP
MAMMALS	<i>Corynorhinus townsendii townsendii</i> <i>Antrozous pallidus</i> <i>Myotis evotis</i> <i>Myotis yumanensis</i> <i>Myotis thysanodes</i> <i>Eumops perotis</i> <i>Bassiriscus astutus</i>	Townsend's western big-eared bat Pallid bat Long-eared myotis Yuma myotis Fringed myotis Western mastiff bat Ringtail	FSC, CSC CSC FSC FSC, CSC FSC, FSC, CSC CFP	
REPTILES	<i>Clemmys marmorata</i> <i>Phrynosoma coronatum frontale</i> <i>Thamnopsis sirtalis tetrataenia</i>	Western pond turtle California horned lizard San Francisco garter snake	FSC, CSC FSC, CSC, CP FE, CE, CFP	Potential Present
FISHES	<i>Onchorynchus kisutch</i> <i>Onchorynchus mykiss</i> <i>Eucyclogobius newberryi</i>	Coho salmon – Central California coast ESU Steelhead – Central California coast ESU Tidewater goby	FT, SE FT FE (FPD), CSC	Potential Present
INVERTEBRATES	<i>Danaus plexippus</i> <i>Speyeria adiastra adiastra</i> <i>Tryonia imitator</i>	Monarch butterfly Unsilvered fritillary butterfly California brackishwater snail	Local concern FSC FSC	Present

*Status Codes: FE = Federal Endangered; FT = Federal Threatened; FPD = Federal Proposed for Delisting; FSC = Federal Species of Concern; SE = State Endangered; ST = State Threatened; CFP = California Fully Protected; CP = California Protected; CSC = California Species of Special Concern.

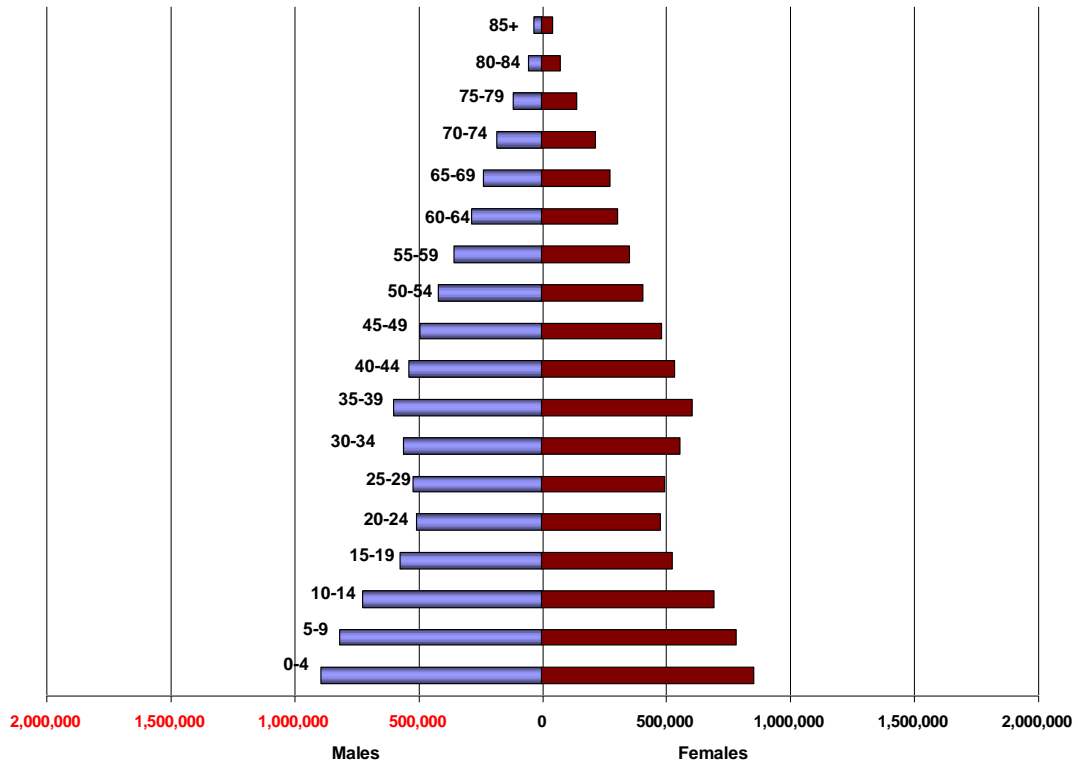
Information Sources:

CNDDDB, 2005

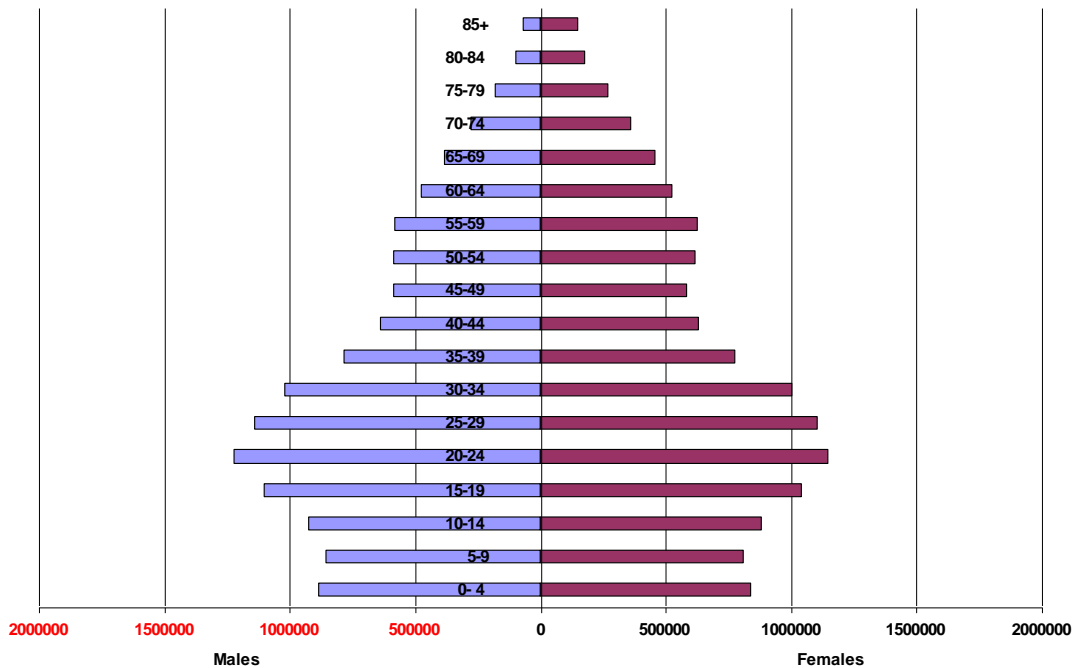
California State Parks Natural Resources Baseline Condition Assessment

APPENDIX J California Population 1960 - 2020

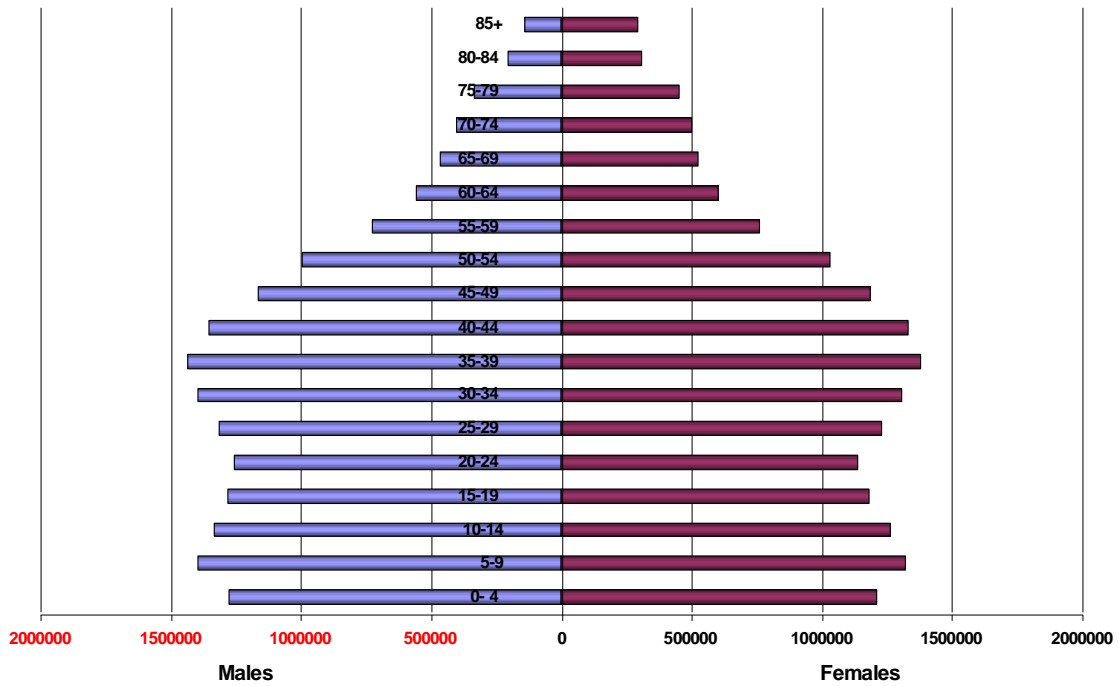
California Population 1960 (Source: CA Dept. of Finance)



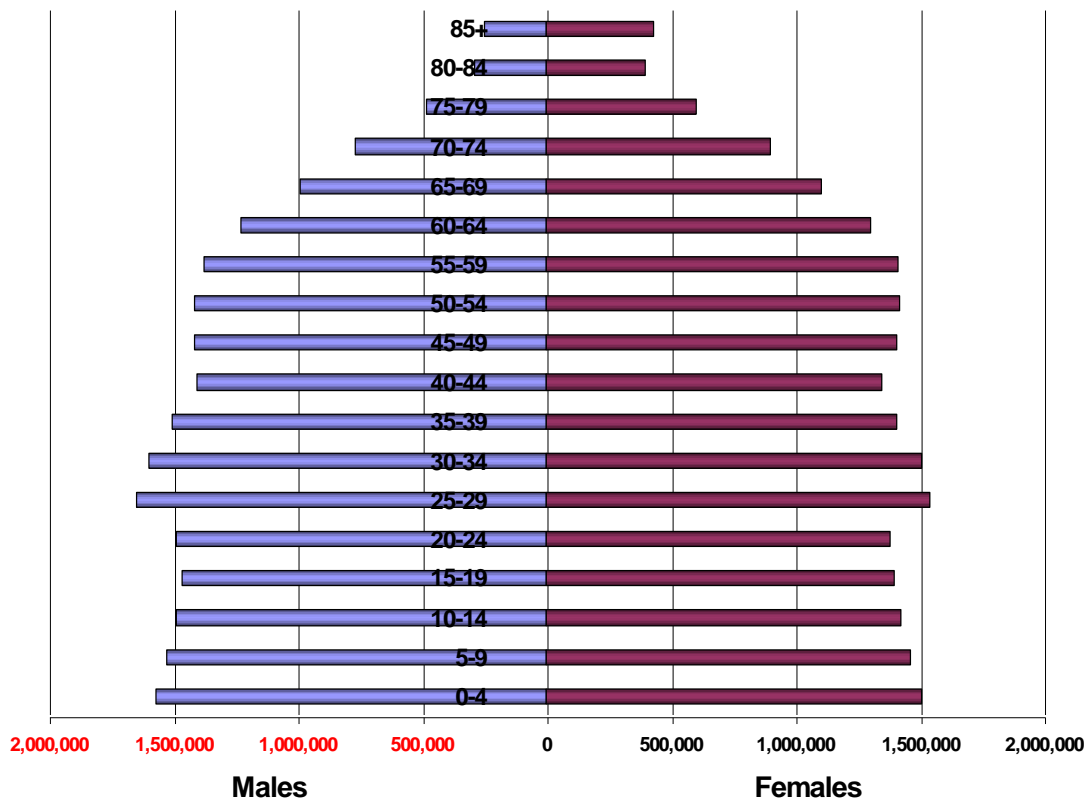
California Population 1980 (Source: UCData Center/CA Dept. of Finance)



California Population 2000 (Source: CA Dept. of Finance)



California Population 2020 (Source: CA Dept. of Finance)



APPENDIX K

Acronyms and Abbreviations

ABAG	Association of Bay Area Governments
ADA	Americans with Disabilities Act
AMBAG	Association of Monterey Bay Area Governments
BLM	U.S. Bureau of Land Management
BMP	Best Management Practice
Caltrans	California Department of Transportation
CCC	Civilian Conservation Corps
CCRWQCB	Central Coast Regional Water Quality Control Board
Cal Fire	California Department of Forestry and Fire Protection
CDFG	California Department of Fish and Game
CEQA	California Environmental Quality Act
CNPS	California Native Plant Society
CSP	California State Parks
CWHR	California Wildlife Habitat Relationships
DOM	Department Operations Manual
DPR	California Department of Parks and Recreation
DWR	California Department of Water Resources
EIR	Environmental Impact Report
ESU	Evolutionarily Significant Unit
GPS	Global Positioning System
LCP	Local Coastal Program/Plan
MROSD	Midpeninsula Regional Open Space District
NOP	Notice of Preparation
PCA	Pescadero Conservation Alliance
PRC	Public Resources Code
POST	Peninsula Open Space Trust
RWQCB	Regional Water Quality Control Board
RV	Recreational Vehicle
SB	State Beach
SFBAB	San Francisco Bay Air Basin
SFRWQCB	San Francisco Regional Water Quality Control Board
SOCS	Scope of Collections Statement
SP	State Park
SNR	State Natural Reserve

SWRCB	State Water Resources Control Board
TPL	The Trust for Public Land
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey
VCM	Visitor Capacity Management

APPENDIX L

Glossary

Access (Egress/Ingress) – The ability to enter a site (ingress) from a roadway or trail and exit a site (egress) onto a roadway or trail by vehicle, walking, bike, horse, etc.

Accessibility (for people with disabilities) – Under the Americans with Disabilities Act of 1990, state and local governments that construct new buildings and facilities, or make specific alterations to existing buildings, facilities and programs, must make them accessible. Title II requires a public entity to ensure that persons with disabilities are not excluded from services, programs, and activities because existing building and facilities are inaccessible. Beyond Federal law, the state has established standards for accessibility in the California Building Code. Title I and Title III would also be applicable. See Americans with Disabilities Act of 1990.

Alluvium – Sand, gravel, silt, and clay deposited by rivers and streams in valley bottoms.

Americans with Disabilities Act of 1990 (ADA) – Ensures equal access to all users of public (and private) facilities and programs. This federal civil rights legislation for persons with disabilities passed in 1990. The ADA covers a wide range of disabilities, from physical conditions affecting mobility, stamina, sight, hearing, and speech, to conditions such as emotional illness and learning disorders. The ADA also addresses access to the workplace. See **Accessibility**.

California Environmental Quality Act (CEQA) – The California Environmental Quality Act, Public Resources Code Section 21000 et. seq.; Title 14, California Code of Regulations Section 15000 et. seq. CEQA is a statute that requires state and local agencies to identify the significant environmental and historical impacts of their proposed actions and to avoid or mitigate any adverse impacts, if feasible.

California State Park and Recreation Commission – Established in 1927 to advise the Director of Parks and Recreation on the recreational needs of the people of California. The commissioners are appointed by the Governor and conduct public hearings on naming, classification and the approval of general plans (and amendments) for State Park System units.

Clay – A particle of sediment less than 1/256 of a millimeter in diameter. Also, a family of platy silicate minerals that commonly form as a product of weathering.

Concessions – A contract with persons, corporations, partnerships, or associations for the provision of products, facilities, programs and management and visitor services that will provide for the enhancement of park visitor use, enjoyment, safety, and convenience. Concessions may be for food service, overnight accommodation, equipment rentals (canoes, raft, skis), gift stores, etc.

Carbon Sequestration – The uptake and storage of carbon. Trees and plants, for example, absorb carbon dioxide, release the oxygen and store the carbon.

Direct Impacts – Primary environmental effects that are caused by a project and occur at the same time and place.

Environment – The California Legislature defined ‘environment’ to refer to “the physical conditions which exist within the area which will be affected by a proposed project, including land, air, water, noise, objects of historic or aesthetic significance.”

Environmental Analysis – The task of addressing the potential impact of any given plan or development project on the state’s environment, an analysis that can range across any number of topics including air pollution, toxins, and impacts on plants, animals and historical resources.

Environmental Impact Report (EIR) – An informational document prepared by the lead agency responsible for carrying out a project as part of the CEQA public review process that describes and analyzes a project’s potential significant environmental effects and discusses ways to mitigate or avoid those effects. See **California Environmental Quality Act, Tiered Approach/Tiering**.

Evolutionarily Significant Unit (ESU) – A genetically distinct population segment of a species. An ESU is protected under the federal Endangered Species Act, which defines species to include “any subspecies of fish or wildlife or plants, and any distinct population segment of any species of vertebrate fish or wildlife, which interbreeds when mature.”

Exotic Species (or alien, non-native or non-indigenous species) – A species occurring in an area outside of its historically known natural range that has been intentionally introduced or has inadvertently penetrated the system. Also known as introduced, non-native, non-indigenous or ornamental species. See **Non-native Species**.

General Plan – A document providing broad public policy and programmatic guidance regarding development and management of an individual unit of the State Park System, essential to the managers, staff and stakeholders. A General Plan is sometimes called a “comprehensive plan” or “master plan.” See **Master Plan**.

Global Warming – An increase in the near surface temperature of Earth. Global warming has occurred in the distant past as the result of natural influences, but the term is most often used to refer to the warming predicted to occur as a result of increased emissions of greenhouse gases.

Gravel – All sedimentary particles (rock or mineral) larger than 2 millimeters and smaller than 64 millimeters in diameter.

Greenhouse Gas – Any gas that absorbs infra-red radiation in the atmosphere. Greenhouse gases include water vapor, carbon dioxide (CO₂), methane (CH₄), nitrous oxide (N₂O), halogenated fluorocarbons (HCFCs), ozone (O₃), perfluorinated carbons (PFCs), and hydrofluorocarbons (HFCs).

Guidelines – General statements of policy direction around which specific details may later be established.

Habitat – The physical location or type of environment in which an organism or biological population lives or occurs, often characterized by a dominant plant form or physical characteristic (e.g., the oak-savanna, wetland, or a coastal habitat).

Holocene – An epoch of the Quaternary Period, from the end of the Pleistocene, approximately 8,000 years ago to the present time.

Indirect Impacts – Also referred to as secondary effect, indirect impacts are caused by a project and occur later in time or at some distance from the project.

Interpretation – A mission-based communication process that forges emotional and intellectual connections between the interests of the audience and the meanings inherent in the resource.

Interpretive Activities – Hikes, talks, tours or demonstrations that provide the participants with information and inspiration on a given natural or cultural resource. Participants learn and discover new ideas or concepts about the subject.

Lead Agency – The governmental agency responsible for compliance with CEQA for a proposed project. Generally, it is the agency with the broadest permit discretion for the project or the agency actually carrying out the project. For example, California State Parks is the Lead Agency for Departmental projects, and has the authority to approve its own projects, even though permits may also be required from other agencies. See **California Environmental Quality Act (CEQA)**.

Liquefaction - In cohesionless (sand and silt) soil, the transformation from solid to a liquid state due to increased pore water pressure and resulting reduction of effective stress (loss of soil strength). Often induced by earthquake shaking.

Management Plans – In California State Parks, management plans define the objectives, methodologies, and/or designs regarding how management goals will be accomplished. Occurring on an as-needed basis, they are typically focused on specific management topics, goals, or issues. Depending on their focus, the plans can apply to all or part of a unit. Management plans are consistent with systemwide plans and policies, and with the unit's general plan. See **Specific Plan**.

Master Plan – Master plans are tangible statements of where the park is now, what it should be in the future and what is required to get there. While circumstances vary from place to place, the decision to develop a master plan is often determined by the need to understand the current conditions of the park, to generate and build community interest and participation, to create a new and common vision for the park's future, and/or to develop a clear and solid set of recommendations and implementation strategies. See **General Plan**.

Mitigate, Mitigation – To ameliorate, alleviate, or avoid to the extent reasonably feasible – usually impacts to the environment associated with a project or undertaking. According to CEQA, mitigation for environmental impacts include: (a) avoiding an impact by not taking a certain action or parts of an action; (b) minimizing an impact by limiting the degree or magnitude of the action and its implementation; (c) rectifying an impact by repairing, rehabilitating or restoring the environment affected; (d) reducing or eliminating

an impact by preserving and maintaining operations during the life of the action; (e) compensating for an impact by replacing or providing substitute resources or environments. Refer also to Section 106 of the National Historic Protection Act.

Mitigation Measure – Under the California Environmental Quality Act (CEQA), when an environmental impact or potential impact is identified, measures must be proposed that will eliminate, avoid, rectify, reduce or compensate for those environmental effects.

Multi-use or Multi-purpose Trail – An appropriately surfaced trail intended as a circulation connection for a variety of uses (bicycle, hiking, equestrian). Also referred to as a shared use trail.

Native Species – A plant or animal that is historically indigenous to a specific area.

Non-native Species – Introduced species or exotic species; refers to plants and animals that originate in other regions of the world and are brought into a new region, where they may dominate the local species or in some way negatively impact the environment for native species. Also known as non-indigenous species. See **Exotic Species**.

Pleistocene – An epoch of the Quaternary Period, after the Pliocene of the Tertiary and before the Holocene. It began 1.6 million years ago and lasted until about 8,000 years ago (Holocene). Syn: *ice age*; *glacial epoch*

Public Resources Code (PRC) – California law that addresses natural, cultural, aesthetic, and recreational resources of the State, in addition to the State Constitution and Statutes.

Riparian – (land or area) – The strip of land adjacent to a natural watercourse such as a river or stream. Often supports vegetation that provides fish habitat when growing large enough to overhang the bank.

Sand – Loose particles of rock or mineral that range from 0.0625-2.0 millimeters in diameter.

Scenic Corridor – A transportation corridor, bikeway or waterway of outstanding scenic beauty, warranting special scenic conservation treatment.

Shale – A fine-grained detrital sedimentary rock, formed by the deposition and compaction of clay, silt, or mud. It has finely laminated (layered) structure, which gives it a fissility along which the rock splits readily, especially on weathered surfaces. Shale is well indurated, but not as hard as argillite or slate. It may be red, brown, black, or gray. A diatomaceous shale is usually a light colored, soft rock composed mostly of the opaline frustules (the hard, siliceous bivalve shell of a diatom).

Significant Effect – A substantial, or potentially substantial, adverse change in the environment.

Silt – Loose particles of rock or mineral that range from 0.002-0.0625 millimeters in diameter.

Specific Plan – A tool for detailed design and implementation of a defined portion of the area covered by a General Plan. Specific plans put the provisions of the local general plan into action.

Stakeholder – Group or individual who can affect, or is affected by, the achievement of the jurisdiction or organization’s mission; examples include managers, employees, policy makers, suppliers, vendors, citizens, users, community activists, businesses, and community groups; and who should have a right to participate in the decision-making process.

Tiered Approach (Tiering) – In general plans, used to meet the requirement of CEQA. The first tier EIR will be prepared for the general plan. Subsequent management plans, area development plans, and specific project plans, implementing the general plan may be subject to additional environmental review (second and third tiers, etc.) The degree of specificity will reflect the level of detail in the general plan and subsequent plans. **See California Environmental Quality Act, Environmental Impact Report, and General Plan.**

Unit Data File (UDF) – In California State Parks, the working file that contains an organized body of information about a unit, and references the location of other information. It acts as an organized library of both unit data and the status of current issues.

Viewshed – The total area within a view from a defined observation point.

Vision Statement – A vision statement is a compelling image (description) of a desirable state of reality made possible by accomplishing the mission in a way that is consistent with the core values of key stakeholders. The vision statement is an inspiring view of the preferred future.

Watershed – The total area above a given point on a waterway that contributes water to its flow; the entire region drained by a waterway or watercourse that drains into a lake, reservoir, or other body of water. A watershed may, and often does, cover a very large geographical region.



- Figure 1 Regional Map
- Figure 2 Location Map
- Figure 3 Existing Facilities
- Figure 4 Existing Roads and Trails
- Figure 5 Alquist-Priolo Fault Zones
- Figure 6 Watersheds and Streams
- Figure 7 Coastal Zone
- Figure 8 Vegetation Communities
- Figure 9 Wildlife Habitat
- Figure 10 Natural Resource Sensitivity
- Figure 11 Cultural Resources
- Figure 12 Planning Zones
- Figure 13 Proposals

Photo on reverse: Jackson Flats

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