

CHAPTER 3

TEXT REVISIONS

3.1 INTRODUCTION

The following corrections/clarifications have been made to the EIR text. These corrections include: minor corrections made by the EIR authors to improve writing clarity, grammar and consistency; corrections or clarifications requested by a specific response to comments; or staff-initiated text changes to update information presented in the DEIR. The text revisions are organized by the Chapter and page number that appear in the DEIR. ~~Deleted text~~ presented in this section indicates text that has been deleted from the EIR. Text that has been added to this EIR is presented as underlined. For corrections initiated by a comment on the Draft EIR, references in bolded parenthesis refer to Draft EIR comment letters.

3.2 TEXT REVISIONS

Figure 3.4-2 on DEIR p. 3.4-9 has been revised to show Vasco Caves Regional Preserve. Figure 3.4-2a was added to show proposed recreational facilities in the vicinity of the SBA project corridor. The revisions do not materially affect the analysis or conclusions presented in the DEIR. The revised and new figures are included at the end of this chapter.

The first paragraph under section 2.6.1 on page 2-31 has been revised as follows:

Construction activities for all components would require initial clearing and grading at each site to accommodate excavation and staging activities. The excavation and construction zone for each component would differ depending on the location and type of activity. Construction of the proposed facilities would require disturbance of primarily undeveloped land (i.e., grazing land) that is located immediately adjacent to existing facilities, or would be contained within DWR right of way. All disturbed areas would be restored to pre-construction conditions. Implementation of facilities will be scheduled, designed and phased to provide continual levels of delivery. ~~No outages to SBA Contractors are anticipated.~~

Mitigation Measure 3.1-1 on page 3.1-19 has been revised as follows:

Measure 3.1-1: DWR shall update their Earthquake Preparedness and Response Plan to prescribe actions to identify and remedy potential hazards related to earthquake-related equipment topple, employee injury, fire, and equipment failure for the new facilities. The Plan shall include a detailed post-earthquake inspection procedure and schedule to identify conditions that compromise workers safety or could result in extensive service

interruptions. In updating the plan, DWR will solicit input from local regulatory agencies and with the Office of Emergency Services (OES). The plan will include public safety measures identified by OES relating to earthquake preparedness.

Mitigation Measure 3.3-5b on page 3.3-50 has been revised as follows:

Measure 3.3-5b: Agency Consultation. If vernal pool invertebrates are found within the SBA project corridor, ~~formal or informal~~ consultation with USFWS ~~will~~would be required. DWR shall provide compensation for the permanent loss of vernal pool habitat at a 3:1 ratio, or similar ratio approved by CDFG and USFWS through one, or a combination of, the following mechanisms:

- Establishment of conservation easement on lands currently owned by DWR adjoining Bethany Reservoir.
- Participation in an approved mitigation bank program;
- Establishment of conservation easement or purchase of private lands to be set aside as managed vernal pool habitat.
- Enhancement and revegetation along the SBA project corridor

Mitigation Measure 3.3-8a on page 3.3-57 has been revised as follows:

Measure 3.3-8a: Protection to nesting and breeding birds and raptors. The following mitigation measures will be implemented to address potential impacts to nesting and breeding birds and raptors in the vicinity of the construction sites:

- To the extent feasible, construction activities shall avoid the nesting season between March 15 and August 15. If construction must occur during this period, all sites shall be surveyed prior to construction by a qualified biologist to verify the presence or absence of nesting birds or raptors. If the survey indicates the potential presence of nesting birds or raptors, the results would be coordinated with CDFG and suitable avoidance measures would be developed and implemented. Construction shall observe the CDFG avoidance guidelines which require a minimum 500-foot buffer zone surrounding active raptor nests and a 250-foot buffer zone surrounding nests of other birds. Buffer zones shall remain until young have fledged.

The first paragraph on page 3.4-1 has been revised as follows:

The South Bay Aqueduct (SBA) project corridor extends along the existing SBA facilities between Bethany Reservoir in Eastern Alameda County to the vicinity of Arroyo Mocho in the Livermore Valley. Existing and proposed facilities are located within unincorporated areas of Alameda County and are under the jurisdiction of the East County Area Plan (ECAP) element of the Alameda County General Plan. Starting in the vicinity of the intersection of Vasco Road and Northfront Road and Altamont Pass Road, the SBA Corridor is located within the City of Livermore's Planning Area as identified in the Draft 2003 Livermore General Plan. Additionally, Livermore Canal, Patterson Reservoir, and

Alameda Canal are located within the City of Livermore's Sphere of Influence (SOI) as identified in the City of Livermore General Plan 2003-2025, and the South Livermore Valley Specific Plan. All facilities are generally located within open space or agricultural areas east of the City of Livermore.

The text on pages 3.4-4 and 3.4-6 has been revised as follows:

Livermore Canal

The Livermore Canal extends south from the southern end of the Altamont Pipeline near I-580 to Patterson Reservoir. The canal runs parallel to Greenville Road east of the City of Livermore. Surrounding land uses consist of open space and some light industrial development along Greenville Road, approximately 2,000 feet west of the canal. Two residences are located within 500 feet of the canal (see **Figure A-3, Appendix A**). The land on either side of the canal area is designated as Open Space-Large Parcel Agriculture by the ECAP. The canal itself is designated Water Management by the ECAP. This area is also within the Livermore SOI and the Livermore General Plan identifies the land on either side of the canal area as Large Parcel Agriculture (LPA). ~~Agriculture/Open Space and Public Use.~~ The canal itself is identified as Open Space/Water Management Lands (WML).

Patterson Reservoir

The Patterson Reservoir is an existing reservoir facility that serves the Zone 7 Patterson Pass Water Treatment Plant (WTP), and demarks the end point of the Livermore Canal. The reservoir is located approximately 1,500 feet north of Patterson Pass Road, and approximately 50 feet north of the Zone 7 Patterson Pass WTP fenceline (see **Figure A-3, Appendix A**). The area surrounding the canal is designated as Open Space-Large Parcel Agriculture by the ECAP. The reservoir itself is designated Water Management by the ECAP. The reservoir site is designated in the Livermore General Plan as Open Space/Water Management Lands (WML) Public Use, and the surrounding land area is identified as Large Parcel Agriculture (LPA). ~~Agriculture/Open Space.~~

Alameda Canal

The Alameda Canal extends from Patterson Reservoir approximately 6 miles east and south of the City of Livermore to Check 6, located approximately 1 mile west of Arroyo Mocho. General land uses along this segment include vineyards, individual ranchettes, cattle grazing, and other agricultural uses. Approximately ten residences are located within 500 feet of the canal. The Sandia/Lawrence Livermore Laboratories are located northwest of the canal near its intersection with Greenville Road (see **Figure A-4, Appendix A**). The land on either side of the canal area is designated as Open Space-Large Parcel Agriculture by the ECAP. The canal itself is designated Water Management by the ECAP. The Livermore General Plan identifies the canal itself as Open Space/Water Management Lands (WML) Public Use, the area east and west of the canal as Large Parcel Agriculture (LPA). ~~Agriculture/Open Space, and the area west of the canal as Vacant Industrial and Underdeveloped Industrial land use.~~

A third paragraph has been added to Existing Recreational Uses on page 3.4-6 as follows:

City of Livermore General Plan and Bikeways and Trails Master Plan also propose a trail system, consistent with LARPD and EBRPD Plans, including links to regional facilities such as the proposed Iron Horse Trail and the Brushy Peak to Del Valle Aqueduct Trail.

Table 3.4-3 on page 3.4-10 has been revised as shown on the following page.

Impact 3.4-2 on page 3.4-18 has been revised as follows:

Impact 3.4-2: Project construction could result in long-term effects to existing and planned land uses in the vicinity of proposed facilities. Less than Significant with Mitigation.

The second paragraph on page 3.4-19 has been revised as follows:

Stage 3 Brushy Creek Pipeline implementation and easement acquisition would require the removal of ~~two~~ one power-generating wind turbine located along the pipeline route. DWR would negotiate with the wind turbine owner to provide appropriate compensation for the removal of ~~these two~~ this one tower. As the Altamont Foothill area is extensively developed with wind turbine towers, the removal of ~~two~~ one tower would not affect wind power generation. DWR compensation for removal, as established in **Measure 3.4-2a**, would be consistent with ECAP Policy 174, which requires mitigation for conflicts between new land uses and wind energy operations. Implementation of this measure would reduce potential impacts to less than significant.

Mitigation Measure 3.4-2a on page 3.4-21 has been revised as follows:

Measure 3.4-2a: DWR shall negotiate with wind turbine operators to provide replacement compensation for the loss of ~~one two~~ turbines along the Stage 3 Brushy Creek Pipeline. This negotiation shall occur as part of permanent right-of-way acquisition for the pipeline route.

Impact 3.4-3 on page 3.4-21 has been revised as follows:

Impact 3.4-3: Project construction could result in short-term and long-term disturbance of recreational facility uses. Less than Significant with Mitigation.

The first paragraph under Impact 3.4-3 on page 3.4-21 has been revised as follows:

Regional and local facilities located in the direct vicinity of proposed recreational facilities are summarized in Table 3.4-2 and Table 3.4-3. Other than the location of the SBPP within the Bethany Reservoir State Recreation Area, proposed facilities do not intersect any current recreational facilities. Table 3.4-3 includes facilities that have been identified by the *East Bay Regional Park District 1997 Master Plan* and the *Livermore Area Recreation and Park District 1992 Regional Trail Plan*, and do not have firm

**TABLE 3.4-3
PROPOSED RECREATIONAL FACILITIES LOCATED WITHIN PROXIMITY OF SBA PROJECT CORRIDOR**

Project Component	Proposed Recreational Facility in Vicinity	Distance from SBA Project Component	Recreational Facility Status	Planning Jurisdiction
Brushy Creek Pipeline	Brushy Peak to Bethany Reservoir Regional Trail	Identified as along SBA	Identified as “Proposed Trail” in EBRPD Master Plan	Alameda County
Dyer Canal	Brushy Peak to Del Valle Regional Trail	Identified as along SBA	Identified as “Proposed Trail” in EBRPD Master Plan, <u>LARPD Master Plan and City of Livermore Bikeways and Trails Master Plan</u>	Alameda County
<u>Alameda Canal</u>	<u>Tesla Road Trail</u>	<u>Terminates at Alameda Canal</u>	<u>Identified as “Proposed Trail in EBRPD Master Plan, LARPD Master Plan and City of Livermore Bikeways and Trails Master Plan</u>	<u>Alameda County</u>
<u>Alameda Canal</u>	<u>Patterson Pass Road Trail</u>	<u>Terminates at Alameda Canal</u>	<u>Identified as “Proposed Trail in EBRPD Master Plan, LARPD Master Plan and City of Livermore Bikeways and Trails Master Plan</u>	<u>Alameda County</u>
Livermore Canal	Iron Horse Trail San Joaquin County to Shadow Cliffs	Identified as along SBA	Identified as “Proposed Trail” in EBRPD Master Plan, <u>LARPD Master Plan and City of Livermore Bikeways and Trails Master Plan</u>	Alameda County

TABLE 3.4-3 (Continued)
PROPOSED RECREATIONAL FACILITIES LOCATED WITHIN PROXIMITY OF SBA PROJECT CORRIDOR

Project Component	Proposed Recreational Facility in Vicinity	Distance from SBA Project Component	Recreational Facility Status	Planning Jurisdiction
Livermore Canal	Iron Horse Trail Shadow Cliffs to Alameda County	Identified as along SBA	Identified as “Proposed Trail” in EBRPD Master Plan	Alameda County
Alameda Canal	Del Valle Dam Extension	Identified as along SBA	Identified as “Proposed Trail” in EBRPD Master Plan	Alameda County
Alameda Canal	Ohlone Wilderness Trail	Identified as along SBA	Identified as “Proposed Trail” in EBRPD Master Plan	Alameda County
Alameda Canal	Shadow Cliffs to Del Valle	Identified as along SBA	Identified as “Proposed Trail” in EBRPD Master Plan	Alameda County
Alameda Canal	Pleasanton Ridge to Shadow Cliffs Trail	Identified as along SBA	Identified as “Proposed Trail” in EBRPD Master Plan	Alameda County

SOURCE: EBRPD, 1997. Compiled by Environmental Science Associates.

implementation dates. These facilities are not currently in recreational use and may or may not be open for public use by the time project construction is underway. Implementation of the Proposed Project would not preclude development of the proposed recreational facilities identified in Table 3.4-3.

Impact 3.10-4 and Mitigation Measure 3.10-4 on pages 3.10-8 through 3.10-9 have been revised as follows:

Impact 3.10-4: Construction operations could require the displacement of ~~one~~^{two} power generation wind turbines in the Altamont Pass area. Less than Significant.

Construction of the Stage 3 Brushy Creek Pipeline would require the removal of ~~one~~^{two} existing wind turbines. ~~This~~^{These} turbines represents ~~one~~^{two} out of approximately 7,000 power generating turbines located in the Altamont Pass Wind Resource Area that extends through Alameda and Contra Costa counties. ~~All 7,000 wind turbines produce approximately 1,100 kilowatt hours of electricity annually. The removal of the two turbines by the project would result in the temporary reduction of total wind turbine energy output by approximately 0.32 kilowatt hours per year.~~

~~DWR proposes to relocate the two turbines and restore their operation to offset a potential long term reduction of energy output.~~ DWR shall coordinate with turbine's owners and Alameda County planning authorities regarding wind turbine relocation to assure compatibility under Policy 173 of the East County Area Plan as discussed in detail in **Section 3.4, Land Use, Planning and Recreation**. Furthermore, DWR will consult with the County to develop and implement appropriate mitigation measures as required under Policy 174 of the East County Area Plan.

~~The relocation of the wind turbines would result in a temporary reduction of electricity supplies. However, The reduction of less than one kilowatt hour per year. The loss of a single wind turbine would represent a minor reduction of present annual output of 1,100 kilowatt hours, and the resulting additional demand on other electricity suppliers in the region would be less than significant. Electrical generation output in the region would be restored upon completion of relocation operations. Therefore, no mitigation is required.~~

Mitigation Measures

~~No mitigation measures are required.~~ **Implement Measure 3.4-2a.**

The first paragraph on page 5-10 has been revised as follows:

... City of Livermore Summary of Major Projects (City of Livermore, 2004a); City of Livermore Capital Improvement Plan (City of Livermore, 2004b); EBRPD Master Plan Proposed Trails (EBRPD, 1997). Projects identified from these lists that could contribute to cumulative impacts within the vicinity of the South Bay Aqueduct are provided in Table 5-2, and include the following project types: roadway improvements; individual residential, commercial, and industrial development projects approved under the Livermore

General Plan; ~~and~~ wind farm and other industrial uses consistent with land use and zoning ordinances of the East County Area Plan; and proposed recreational trails. The timing and implementation of these projects is uncertain at this time. However, for certain issue areas such as air quality, traffic, and water resources, these projects would have the potential to contribute to cumulative impacts in the event they are implemented during the construction timeframe of the SBA Improvement and Enlargement Project, or the other identified projects within the Altamont Pass area.

Table 5-2 on page 5-12 has been revised as shown on the following page.

TABLE 5-2 (Continued)
PLANNED AND APPROVED PROJECTS IN THE PROJECT AREA AND VICINITY

City of Livermore (cont'd)

Warehouse and Office – North Canyons Pkwy
 North Canyons Parkway Construction
 North Livermore Ave Underpass Renovation
 North Livermore Ave Widening
 North Vasco Road Undergrounding
 Northfront Road Widening
 Office and Retail – Greenville Road/I-580
 Olivina Avenue Widening
 P St. Underpass Renovation
 Portola Ave Reconstruction
 Portola Ave Undergrounding
 Scenic Ave Roadway Extension
 South L St Undergrounding – Fourth St-College Ave
 South Livermore Ave Undergrounding
 South Vasco Road Overpass Widening
 Stanley Blvd Widening
 State Route 84 Relinquishment and Transfer Project
 Stream Channel Master Plans – Citywide
 Two Industrial Buildings – Kittyhawk Road
 Vallecitos Road and Holmes Street Bridge Widening
 Vallecitos Road and Vineyard Avenue Realignment
 Vasco Road Widening
 Water Reclamation Plant – Phase VI Expansion

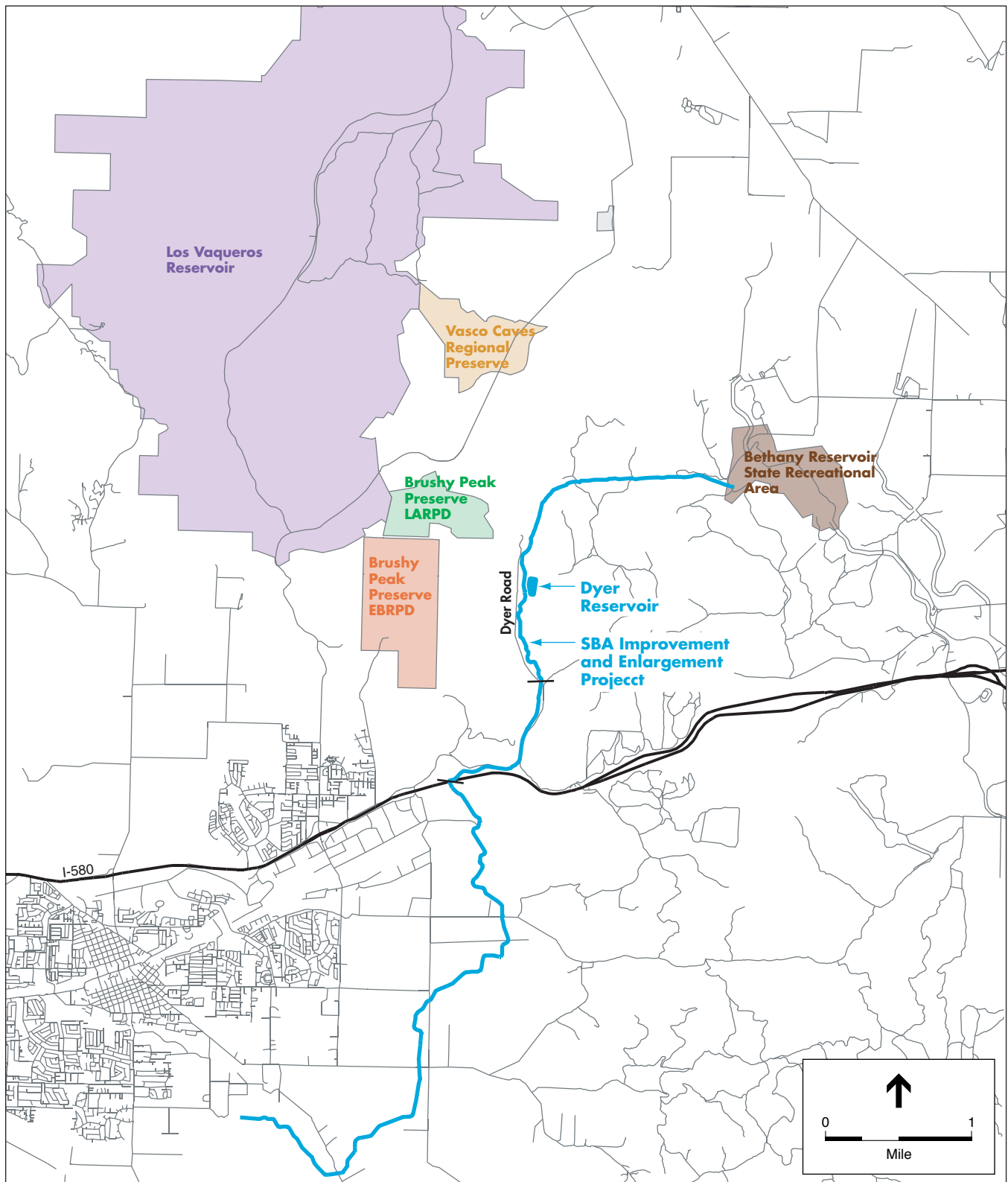
Other

Zone 7 Stream Management Master Plan

Proposed Recreational Facilities

Brushy Peak to Bethany Reservoir Regional Trail
Brushy Peak to Del Valle Regional Trail
Iron Horse Trail San Joaquin County to Shadow Cliffs
Iron Horse Trail Shadow Cliffs to Alameda County
Del Valle Dam Extension
Ohlone Wilderness Trail
Shadow Cliffs to Del Valle
Pleasanton Ridge to Shadow Cliffs Trail
Tesla Road Trail
Patterson Pass Road Trail

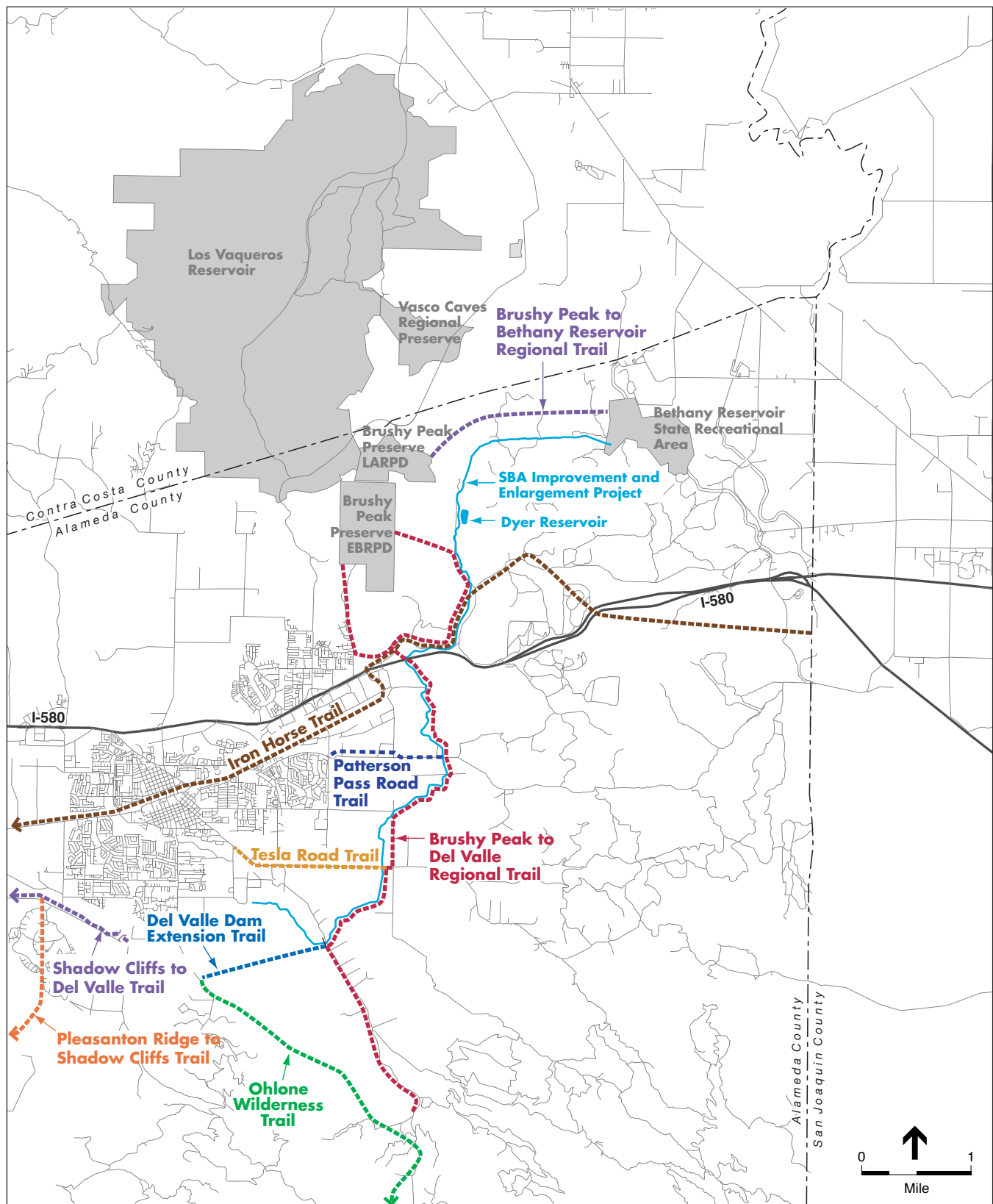
SOURCES: Compiled by Environmental Science Associates: Caltrans, 2004a; Caltrans, 2004b; Alameda County Public Works, 2003; Alameda County Congestion Management Agency, 2004; Alameda County Transportation Improvement Authority, 2004; Contra Costa County Community Development Department, 2004; Contra Costa County Public Works, 2001; City of Livermore Community Development Department, 2004a; ~~and~~ City of Livermore Public Works Department, 2004b; East Bay Regional Park Master Plan, 1997; and City of Livermore Bikeways and Trails Master Plan, 2002.



SOURCE: East Bay Regional Park District, 1997

DWR SBA Improvement and Enlargement Project / 202456 ■

Figure 3.4-2
Recreational Easements within
Vicinity of SBA Project Corridor



SOURCE: Compiled by Environmental Science Associates:
East Bay Regional Park District, 1997
Wilbur Smith Associates, 2001

DWR SBA Improvement and Enlargement Project / 202456 ■

Figure 3.4-2a

Proposed Recreational Facilities within
Vicinity of the SBA Project Corridor

CHAPTER 4

REFERENCES

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