

# **APPENDIX I**

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## **Projects Considered for Cumulative Analysis of Land-side Resources and Issue Areas**

**TABLE I-1  
POTENTIAL PROJECTS FOR CUMULATIVE EFFECTS EVALUATION**

<b>Project Name</b>	<b>Location</b>	<b>Description</b>	<b>Status/Schedule</b>	<b>Relationship to Proposed Project<sup>a</sup></b>	<b>Potential for Cumulative Effect</b>
<b>Development Projects</b>					
Brentwood	City of Brentwood	A total of 4,844 residential units and 1,373,275 square feet of commercial development are currently planned for construction by 2018. Of this total, 484 units are under construction, 3889 units are approved, but no permit has been issued and 471 units are proposed but are not yet approved.	Some units are under construction with project approval up until 2018	4.5 miles north of the Delta-Transfer Pipeline	Yes. Despite relative distance from project, there is a potential for construction periods to overlap with project; therefore, consider potential for cumulative construction effects such as traffic and air quality. Consider potential for cumulative project siting effects on habitat and farmland loss.
Cecchini Ranch	Discovery Bay	About 1,110 acres planned for 4,000 or less new residences, new marina, commercial and light industrial uses, new parks, new schools, and new trail system, open space, and delta interpretive center.	Development Plan/ General Plan Amendment Study in Progress (2008). EIR to follow. Possible construction start sometime between 2014 and 2018	0.1-miles from Delta-Transfer Pipeline along SR4; 0.1-miles from Old River Pump Station	Yes. Potential for construction periods overlap with project; therefore, consider potential for cumulative construction effects such as noise, traffic and air quality. Consider potential for cumulative project siting effects on habitat and farmland loss.
Bixler Road Business Park	Discovery Bay	Change in land use designation from Office (OF) to Business Park (BP) to establish a 62,500 sq. ft. business park.	Applications submitted 12/11/2006 and are under review. Applicant is trying to address issue with driveway entrance encroaching onto irrigation canal	0.5 miles north of the Delta-Transfer Pipeline	Yes. Potential for construction periods overlap with project; therefore, consider potential for cumulative construction effects such as noise, traffic and air quality. Consider potential for cumulative project siting effects on habitat and farmland loss.
Pantages Bay at Discovery Bay	Discovery Bay	Change in the land use designation from Agricultural Lands (AL) to Single Family Residential-High Density (SH) to allow for an approximately 290 unit water-oriented residential project. Approximately 172 acres in size.	EIR to be released soon and ground work is estimated to begin in 2010	2 miles north of Old River Intake	Yes. Potential for construction periods overlap with project; therefore, consider potential for cumulative construction effects such as noise, traffic and air quality. Consider potential for cumulative project siting effects on habitat and farmland loss.
Bixler Road Commercial Project	Discovery Bay	GPA study to re-designate 46 acre parcel from Agricultural Lands (AL) to a mix of commercial, office, and light industrial uses.	GPA study authorized, but no applications submitted to date.	1 mile north of Delta-Transfer Pipeline	Yes. Potential for construction periods overlap with project; therefore, consider potential for cumulative construction effects such as noise, traffic and air quality. Consider potential for cumulative project siting effects on habitat and farmland loss.

**TABLE I-1 (Continued)**  
**POTENTIAL PROJECTS FOR CUMULATIVE EFFECTS EVALUATION**

Project Name	Location	Description	Status/Schedule	Relationship to Proposed Project <sup>a</sup>	Potential for Cumulative Effect
<b>Development Projects (cont.)</b>					
Bixler Road Residential Project	Discovery Bay	GPA study to re-designate Agricultural Lands (AL) to combination of Single Family Residential – High Density (SH), Open Space (OS), and Parks and Recreation (PR) in order to subdivide and develop 20-acre site into 68 single family lots.	GPA authorized, but no applications submitted to date.	1.5 miles north of Delta-Transfer Pipeline	Yes. Potential for construction periods overlap with project; therefore, consider potential for cumulative construction effects such as noise, traffic and air quality. Consider potential for cumulative project siting effects on habitat and farmland loss.
Clifton Court Road Land Re-designation	Discovery Bay	GPA study to re-designate 24.7 acre site from Delta Recreation and Resources (DR) to Agricultural Land (AL) in support of a minor subdivision.	GPA study authorized, but no applications submitted to date.	2.5 miles east of Transfer-Bethany Pipeline	No. These types of projects are too small to generate a cumulatively considerable contribution to cumulative effects in the project area. Not considered.
Cell Tower	Discovery Bay	135 foot cell tower to be constructed on the southern edge of CCWD's Old River Pump Station.	Ground breaking within the next 3-6 months.	On the southern edge of Old River Pump Station.	No. These types of projects are too small to generate a cumulatively considerable contribution to cumulative effects in the project area. Not considered.
Byron – various small development projects	Byron	Potential projects include a 4-lot subdivision	unknown	Various distances from Transfer-Bethany Pipeline	No. These types of projects are too small to generate a cumulatively considerable contribution to cumulative effects in the project area. Not considered.
Mountain House Specific Plan I, II, and III	Northwestern San Joaquin County	Future phases of multi-year build out of new community on 4,784 acres including 2,500 acres for residential, 700 acres commercial, and 750 acres open space and parks. Total ultimate population projected to be 44,000. First phase – 14 neighborhoods have been completed.	2004 – 2024/2044	3 miles east of Bethany Reservoir and terminus of Transfer-Bethany Pipeline.	Yes. No construction period overlap with proposed LV project; therefore, no potential for cumulative construction impacts. Consider potential cumulative project siting effects on habitat and farmland loss.
<b>Public Infrastructure Projects</b>					
City of Brentwood Solid Waste Transfer Facility Expansion	City of Brentwood	Expansion of the existing Brentwood solid waste transfer facility into an adjacent area, installation of a transfer facility building, and related improvements including installation of vehicle weigh scales, a scale house, and on-site roadways. Estimated to be 4.8 acres in size.	Approved in 2005, but on hold due to financing considerations. 2 year extension approved by planning commission on December 18, 2007.	5 miles north of the point where the Expanded Transfer Facility, Delta-Transfer Pipeline and Transfer-LV Pipeline all meet.	Yes. Potential for construction periods overlap with project; therefore, consider potential for cumulative construction effects such as noise, traffic and air quality. Consider potential for cumulative project siting effects on habitat and farmland loss.

**TABLE I-1 (Continued)**  
**POTENTIAL PROJECTS FOR CUMULATIVE EFFECTS EVALUATION**

Project Name	Location	Description	Status/Schedule	Relationship to Proposed Project <sup>a</sup>	Potential for Cumulative Effect
<b>Public Infrastructure Projects (cont.)</b>					
Sellers Avenue Sewer Lift Station Expansion and Upgrade	City of Brentwood	The work includes rehabilitation of an existing sewage lift station including repair and lining of the wet well; replacement of pumps, valves and control equipment; construction of valve vault, manholes, force main and gravity sewer pipe; connection to existing interceptor sewer; and site paving and fencing. Approximately 2,000 sq. ft. in size.	Under construction from March 2008 to May 2008	2 miles north of the point where the Expanded Transfer Facility, Delta-Transfer Pipeline and Transfer-LV Pipeline all meet.	No because no overlap with construction periods associated with project.
Surface Water Treatment Facility Phase II	City of Brentwood	Construction of a water treatment plant adjacent to the Randall Bold Treatment Plant. Approximately 10 acres in size.	Under construction from September 2006 to October 2008.	7 miles northwest of the point where the Expanded Transfer Facility, Delta-Transfer Pipeline and Transfer-LV Pipeline all meet.	No because no overlap with construction periods associated with project
Wastewater Treatment Plant Upgrade	Discovery Bay	Install four to six greenhouse structures to dry biosolids and install new 14-inch diameter pipeline to new outfall 100 feet into channel at Old River.	Most of the upgrades have been completed except for 100 foot by 200 foot car-port, 50-70 foot antenna and a 30 foot pipeline. To be completed by mid 2009.	0.5 miles west of Old River Intake	Yes. Already constructed, so no potential for cumulative construction effects. Consider potential for cumulative siting effects on Old River shoreline / aquatic habitat.
Water well	Discovery Bay	400 foot deep water well to be drilled in the middle of Discovery Bay.	Test hole to be drilled before end of November 2008. Production well to be drilled by mid 2009.	2 miles northwest of Old River Intake	No. These types of projects are too small to generate a cumulatively considerable contribution to cumulative effects in the project area. Not considered.
Byron Bethany Irrigation District (BBID) Corporate Offices	Byron	BBID proposes construction of its headquarters, which includes a single-story steel office building, a warehouse/garage building and a water retention pond in the northeast corner of the site. Located in the eastern part of the County at 7995 Bruns Road in the Byron area.	Mitigated negative declaration prepared.	2.5 miles east of Transfer-Bethany Pipeline	Yes. No construction period overlap with proposed LV project; therefore, no potential for cumulative construction impacts. Consider potential cumulative project siting effects on habitat and farmland loss.

**TABLE I-1 (Continued)**  
**POTENTIAL PROJECTS FOR CUMULATIVE EFFECTS EVALUATION**

Project Name	Location	Description	Status/Schedule	Relationship to Proposed Project <sup>a</sup>	Potential for Cumulative Effect
<b>Public Infrastructure Projects (cont.)</b>					
Green Waste Recycling Facility	Byron	Project consists of establishing a green waste, concrete and asphalt recycling operation. The facility will occupy the front (west) fourth of the lot, the remaining portion of the parcel will remain undeveloped. The only structure proposed is a 60 square foot restroom. Located on Hope Way, between Armstrong Way and Byron Highway, in the Byron area.	Construction to begin soon – paving the site and putting in a septic system.	1 mile east of Transfer-Bethany Pipeline	Yes. No construction period overlap with proposed LV project; therefore, no potential for cumulative construction impacts. Footprint impacts too minor to make a cumulatively considerable contribution to loss of habitat or farmland. Consider potential cumulative project siting effects on habitat and farmland loss.
CCWD Alternative Intake Project	Victoria Island	Additional Delta water intake facility and pump station. CCWD will use, not to increase total water diversion, but to maximize water quality of the water it diverts from the Delta.	Construction began in May 2008 and is expected to take 2 years to be completed.	2.5 miles southeast of Old River Intake and Pump Station and proposed new Delta Intake and Pump Station.	Yes. No construction period overlap with proposed project; therefore, no potential for cumulative construction impacts. Consider potential for cumulative project siting effects on local Delta channel shoreline / aquatic habitat.
DWR South Bay Aqueduct (SBA) Enlargement	Northeastern Alameda County	Capacity enlargement of SBA canal system from Bethany Reservoir west and through Alameda County. System serves Zone 7, Alameda County Water Agency and Santa Clara Valley Water District	Construction in progress; to be completed in 2009.	Proposed Transfer-Bethany Pipeline connects to SBA system at Bethany Reservoir under Project Alternatives 1 and 2.	Yes. No construction period overlap with proposed LV project; therefore, no potential for cumulative construction impacts. Consider potential cumulative project siting effects on habitat and farmland loss.
Altamont Water Treatment Plant	Northeastern Alameda County	23-50-acre, 42 mgd drinking water treatment plant, raw water conveyance, and raw water intake and pump.	In design review, with project timing to be based upon agency water-supply needs and funding availability. Could be completed as early as 2010.	4 miles southeast of Bethany Reservoir where the Transfer-Bethany pipeline connects to the SBA system under Alternatives 1 and 2	Yes. No construction period overlap with proposed LV project; therefore, no potential for cumulative construction impacts. Consider potential cumulative project siting effects on habitat and farmland loss.
Altamont Pipeline Project	Northeastern Alameda County	11-mile buried potable water pipeline that would convey potable water to portions of Alameda County by connecting the future Altamont Water Treatment Plant to Zone 7 Water Agency's existing Cross Valley Pipeline.	A 5-mile segment of pipeline within the City of Livermore, from Kitty Hawk Road to the vicinity of Vasco Road. Construction of this initial segment is set to begin in summer	4 miles southwest of Bethany Reservoir where the Transfer-Bethany pipeline connects to the SBA system under Alternatives 1 and 2	No. No construction period overlap with proposed LV project; therefore, no potential for cumulative construction impacts. Because Altamont pipeline is buried with grassland habitat restored it would not contribute to potential cumulative habitat or farmland loss.

**TABLE I-1 (Continued)**  
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Project Name	Location	Description	Status/Schedule	Relationship to Proposed Project <sup>a</sup>	Potential for Cumulative Effect
<b>Public Infrastructure Projects (cont.)</b>					
Altamont Pipeline Project (cont.)			2008 and take about a year to complete. Zone 7 is currently evaluating the timing of treatment plant itself and the remaining 6-mile stretch of pipeline through unincorporated Alameda County west to Livermore.		
Vasco Road Landfill	Northeastern Alameda County	Application to extend the term of the Conditional Use Permit for this facility from 2008 to 2022 and formalize permission to continue to conduct waste diversion and materials recycling operations. Located at 4001 North Vasco Road about 1 mile north of Dalton Road in the unincorporated Livermore area.	This project has been approved and is in progress.	6 miles southwest of the terminus of Transfer-Bethany Pipeline.	No. There are no construction activities associated with this project and no change of operations. Given distance from project facilities, no potential for cumulative operational effects (such as noise).
Buena Vista Wind Energy Project	Northeastern Alameda County	Removal and replacement of existing wind turbines. Restoration of former turbine sites and maintenance roads.	Turbines have been removed and replaced but they are not operating yet.	6-miles east of Los Vaqueros Reservoir	No. No construction period overlap with proposed project; therefore, no potential for cumulative construction impacts.
<b>Public Roadway Projects</b>					
Balfour Road	Contra Costa County	Widen shoulders and roadway along both sides of Balfour Road, and install traffic signal.	Estimated construction completion 2010/2011	3 miles north of the Delta-Transfer Pipeline	No. Possible construction period overlap but this project is too small and distant from reservoir expansion project to generate a cumulatively considerable contribution to cumulative effects in the project area. Not considered.
Sellers Avenue	Contra Costa County	Install Traffic Signal and turn lanes at the Balfour Road intersection.	Awaiting fund allocation	3.5 miles northwest of Delta-Transfer Pipeline	No. Possible construction period overlap but this project is too small and distant from reservoir expansion project to generate a cumulatively considerable contribution to cumulative effects in the project area. Not considered.

**TABLE I-1 (Continued)**  
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Project Name	Location	Description	Status/Schedule	Relationship to Proposed Project <sup>a</sup>	Potential for Cumulative Effect
<b>Public Roadway Projects (cont.)</b>					
Deer Valley Road	Contra Costa County	Realign curve and widen shoulders; Provide shoulder widening for recovery area and bike lanes.	Estimated construction completion 2010/2011	4 miles northwest of Los Vaqueros Reservoir	No. Possible construction period overlap but this project is too small and distant from reservoir expansion project to generate a cumulatively considerable contribution to cumulative effects in the project area. Not considered.
Point of Timber Road	Contra Costa County	Install traffic signal at Byron Highway intersection.	Awaiting fund allocation	2 miles north of Delta-Transfer Pipeline	No. Possible construction period overlap but this project is too small and distant from reservoir expansion project to generate a cumulatively considerable contribution to cumulative effects in the project area. Not considered.
State Route 4	Contra Costa County, intersection of Byron Highway and SR 4 (Byron)	Construction of approximately 4 miles of new two-lane expressway between Balfour Road, in Brentwood, and Walnut Blvd and widening of approximately 4.5 miles of Marsh Creek Road between SR4 Bypass and SR4/Byron Highway; Install left turn lane and intersection improvements at Byron Highway intersection.	Construction of some projects complete, while others are funding.	Ranges from 1.25 miles to 3.5 miles from Delta-Transfer Pipeline	Yes. Construction period overlap uncertain because schedule is not set. If there is construction schedule overlap then potential for cumulative construction effects, particularly traffic and air quality. Also consider potential for project siting effects on habitat and farmland loss.
Walnut Boulevard Widening - Phase II (Street)		Construction of AC pavement structural section, curbs, gutters, sidewalk, traffic signal, signing, striping, median, and landscaping.	This project is expected to be completed by the end of 2007.		Yes. No construction period overlap with proposed project; therefore, no potential for cumulative construction impacts. Consider potential for cumulative project siting effects on habitat and farmland loss.
Marsh Creek Road	Contra Costa County	Widen roadway and shoulders, install guardrail, eliminate roadway obstacles, and install roadway signs and pavement markers.	Estimated construction completion 2010/2011	2.5 miles northwest of Los Vaqueros Reservoir at the closest point of construction	No – construction will not overlap
Vasco Road	Contra Costa County	Various construction projects at various points along the road such as realignment, widening, lane reconfiguration, restriping and providing median barriers. Also includes the construction of a new connector road between Vasco Road and Byron Highway.	Construction is currently under way and will continue until at least 2011. Some projects are on hold until funds become available.	Various distances from southern terminus of Transfer-Bethany Pipeline.	Yes. No construction period overlap with proposed LV project; therefore, no potential for cumulative construction impacts. Consider potential for cumulative project siting effects on habitat and farmland loss.

**TABLE I-1 (Continued)**  
**POTENTIAL PROJECTS FOR CUMULATIVE EFFECTS EVALUATION**

Project Name	Location	Description	Status/Schedule	Relationship to Proposed Project <sup>a</sup>	Potential for Cumulative Effect
<b>Public Roadway Projects (cont.)</b>					
Byron Highway	Contra Costa County	Install asphalt concrete overlay on existing pavement surface; Construct a 6' wide paved shoulders and 2' shoulder backing along Byron Highway; Widen the road near Byron Elementary School; Install traffic signal and left turn lane at the Camino Diablo intersection.	Some construction will be completed by 2008 and other projects will be implemented as funds allow.	Kay access road to and through project area	No. No construction period overlap with proposed project; therefore, no potential for cumulative construction impacts. No widening so no project siting / footprint impacts.
<b>Recreation trails</b>					
EBRPD Delta Trail Extension and SPRR Trail	Eastern Contra Costa County	Two trails proposed in District's Parks Master Plan Map. (1) Delta Trail Extension, along Old River south to Clifton Court Forebay; and (2) SPRR Trail, along railroad ROW in northeastern Alameda County.	Delta Trail Extension - funding is pending, construction could occur in 3- to 5-year range. SPRR Trail to be constructed in 5 to 10-year range	Delta Trail Extension along Old River, adjacent to Old River PS and proposed new Delta Intake and Pump Station	No. Construction activity of Delta Trail Extension might overlap with proposed project but limited construction activity expected for trail development (e.g., limited grading, fencing and sign installation) with no cumulatively considerable contribution. For SPRR Trail construction periods not expected to overlap. Not considered.
Round Valley to Big Break Trail	Eastern Contra Costa County	A seven mile trail that connects the Morgan Territory to Brushy Peak Trail to the Marsh Creek Trail.	Awaiting final General Plan	1 mile northwest of Los Vaqueros Reservoir at its closest point.	No. Construction activity of Delta Trail Extension might overlap with proposed project but limited construction activity expected for trail development (e.g., limited grading, fencing and sign installation) with no cumulatively considerable contribution.
Vasco Caves to Brushy Peak Trail	Eastern Contra Costa County	A 3.5 mile trail extending from the Vasco Caves park area to the Brushy Peak park area.	Currently in the planning process; land is yet to be acquired.	2 miles southeast of Los Vaqueros Reservoir	No. Construction activity of Delta Trail Extension might overlap with proposed project but limited construction activity expected for trail development (e.g., limited grading, fencing and sign installation) with no cumulatively considerable contribution.
Brushy Peak to Bethany Reservoir Trail	Eastern Contra Costa County	About a 5.5 mile trail connecting Bethany Reservoir and the Morgan Territory to Brushy Peak Trail.	Awaiting funds	Within immediate vicinity of Bethany Tunnel Option and southern most tunnel boring pit	No. Construction activity of Delta Trail Extension might overlap with proposed project but limited construction activity expected for trail development (e.g., limited grading, fencing and sign installation) with no cumulatively considerable contribution.



**TABLE I-1 (Continued)**  
**POTENTIAL PROJECTS FOR CUMULATIVE EFFECTS EVALUATION**

**NOTES:**

a Relationship to proposed project is generally described as distance to nearest proposed project facility.

**SOURCES:**

- 1 Catherine Kutsuris, Advance Planning Deputy Director, Contra Costa County, September 30, 2008
- 2 Brewer, Boni. 2008. *Personal communication via email with Boni Brewer, Public Information Specialist with Zone & Water Agency. October 9, 2008.*
- 3 Eldridge, Paul. 2008. *Personal communication via email with Paul Eldridge, Assistant Public Works Director with the City of Brentwood. October 7 and 8, 2008.*
- 4 Eldridge, Paul. *Personal communication via telephone with Paul Eldridge, Assistant Public Works Director with the City of Brentwood. October 15, 2008.*
- 5 Huerta, Adelina. 2008. *Personal communication via email with Adelina Huerta, Associate Civil Engineer with Contra Costa County Public Works Department- provided spreadsheet with project information. October 23, 2008.*
- 6 Jensen, Bruce. 2008. *Personal communication via email with Bruce Jensen, Senior Planner with Alameda County Planning Department. October 7, 2008.*
- 7 Koehne, Virgil. 2008. *Personal communication via email with Virgil Koehne, General Manager with Discovery Bay. October 8 and 13, 2008.*
- 8 Kersevan, Steve. 2008. *Personal communication via telephone with Steve Kersevan, Professional Engineer with the City of Brentwood. October 20, 2008.*
- 9 Roche, Patrick. 2008. *Personal communication via email with Patrick Roche, Principal Planner with Contra Costa County. October 7, 9 and 28, 2008.*
- 10 Townsend, Jim. 2008. *Personal communication via telephone with Jim Townsend, Trails Development Program Manager with the East Bay Regional Park District. October 21, 2008.*
- 11 EBRPD. 2007. *Existing and Potential Parklands and Trails.*
- 12 CCWD. 2006. *Alternative Intake Project Fact Sheet. December, 2006.*
- 13 Zone 7. 2006. *CEQA Addendum Altamont Pipeline Project. February, 2006.*
- 14 City of Brentwood. 2007. *Planning Commission Staff Report. December 18, 2007.*
- 15 City of Brentwood. 2008. *Project Status Report. February, 2008.*
- 16 Contra Costa County. 2008. *Survey of General Plan Amendment Studies in Discovery Bay Area/Byron Area.*
- 17 Contra Costa County. 2008. *Survey of General Plan Amendment Studies in Discovery Bay Area/Byron Area Map.*
- 18 Contra Costa County. 2007. *Capital Road Improvement and Preservation Program.*