

3.0 CUMULATIVE IMPACTS METHODOLOGY

1 This section provides a listing and map identifying other related future projects near the
2 location of the proposed Project. Section 15130 of the State California Environmental
3 Quality Act (CEQA) Guidelines requires that an Environmental Impact Report (EIR)
4 discuss cumulative impacts of a project when the project's incremental effect is
5 cumulatively considerable (as defined in Guidelines § 15065, subd. (a)(3)). An EIR,
6 however, should not discuss impacts which do not result in part from the project
7 evaluated in the EIR. Where a lead agency is examining a project with an incremental
8 effect that is not "cumulatively considerable," a lead agency need not consider that
9 effect significant, but shall briefly describe its basis for concluding that the incremental
10 effect is not cumulatively considerable. As defined in State CEQA Guidelines section
11 15355:

12 *“Cumulative impacts” refer to two or more individual effects which, when considered*
13 *together, are considerable or which compound or increase other environmental*
14 *impacts. (a) The individual effects may be changes resulting from a single project or*
15 *a number of separate projects. (b) The cumulative impact from several projects is*
16 *the change in the environment which results from the incremental impact of the*
17 *project when added to other closely related past, present, and reasonably*
18 *foreseeable probable future projects. Cumulative impacts can result from individually*
19 *minor but collectively significant projects taking place over a period of time.*

20 The cumulative projects study area for this EIR includes projects located in the
21 immediate on-shore, ~~and~~ near-shore, and offshore areas of the Ellwood coast. The
22 project list for the cumulative impacts analysis includes projects that are either
23 reasonably foreseeable or are expected to be constructed or operated during the life of
24 the proposed Project. This list includes development Projects that were included by the
25 City of Goleta in its 2013 Cumulative Projects List (City of Goleta 2013). Additional
26 projects were compiled from data developed for the Final EIR, Ellwood Pipeline
27 Company Line 96 Modification Project, prepared by Santa Barbara County (State
28 Clearinghouse [SCH] # 2009111034) and based on consultation with appropriate
29 agencies (CSLC 2009; CSLC 2013; City of Goleta 2013).

30 **3.1 INDUSTRIAL/MARINE TRANSPORTATION PROJECTS**

31 There are several industrial or marine transportation projects proposed in the vicinity of
32 the Project that may contribute to cumulative impacts. Proposed projects near PRC 421
33 or that could potentially have impacts on the same resources as the proposed Project
34 are listed in Table 3-1. Figure 3-1 shows the location of some of these projects which
35 are summarized below (numbered in accordance with Table 3-1).

3.0 Cumulative Impacts Methodology

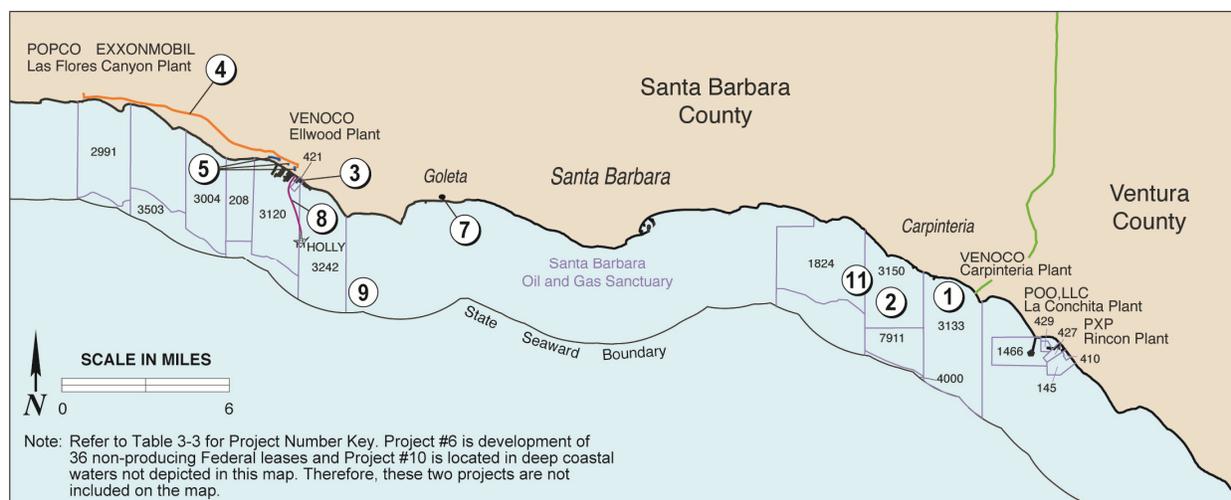


Figure 3-1. Cumulative Oil Production or Infrastructure Projects [Revised]

Table 3-1. Relevant Cumulative Projects

Project Name/Applicant	Brief Description	Status
Industrial/Marine Projects – PRC 421 Project Area		
1. Carpinteria Offshore Field Redevelopment Project/Carone Petroleum Corp. and Pacific Operators Offshore Inc.	Redevelop State Oil and Gas Leases PRC 4000, PRC 7911, and PRC 3133	EIR/Environmental Impact Statement (EIS) under preparation
2. Paredon Project/Venoco	Development of offshore oil and gas reserves from onshore facilities near Carpinteria	Application submitted
3. Ellwood Marine Terminal Demolition and Reclamation Project/Venoco	Decommissioning of both the onshore and offshore components of the former marine oil terminal.	Application submitted
4. Line 96 Pipeline Modification/ Ellwood Pipeline Company	Construction of a new 6-inch-diameter, 8.5-mile-long onshore oil pipeline from the EOF to the PAAPLP Coastal Pipeline west of LFC	Complete
5. Dos Pueblos Pipeline Abandonment/ARCO	Abandon and remove oil pipeline	Complete
6. Development of 36 non-producing Federal leases/various applicants	Various plans to develop Federal leases	Schedule unknown due to litigation
7. Southern California Gas Storage Enhancement Project	Southern California Gas Company to produce native gas from an onshore natural gas reserve located under its La Goleta Storage Field	EIR certified and project approved
8. Platform Holly Power Cable Replacement Project/Venoco	Construction of a new power cable from the EOF offshore to Platform Holly	Complete
9. South Ellwood Field Project/Venoco	Easterly boundary expansion of PRC 3242.1 to include more of the South Ellwood Field	Application submitted

Table 3-1. Relevant Cumulative Projects

Project Name/Applicant	Brief Description	Status
9 10. Santa Ynez Unit Offshore Power System Reliability – B Project/ExxonMobil	Installation of a power cable system to service Santa Ynez Unit's offshore platforms (Heritage, Harmony, and Hondo) in Federal waters	<u>Approved</u> MND released
4 11. Chevron 4H Shell Mounds Disposition and Carpinteria Salt Marsh Restoration Project	Quitclaim leases for four former oil platforms and leave in place "shell mounds" from when platforms were present; improve tidal flow in Carpinteria Salt Marsh	Application submitted
Residential, Commercial, Institutional, and Recreational Projects — PRC 421 Project and Alternatives Area		
4 12. Marriott Courtyard, 401 Storke Rd.	106 rooms and suites, including meeting space and a restaurant	Complete
4 213. Comstock Homes Development, The Bluffs, 215 Elderberry Dr.	62 single-family residences	Under construction/ Occupied
4 314. Renco Encoders, 26 Coromar Dr.	Add 8,800 square foot (ft ²) manufacturing space and 10,400 ft ² office space to existing building	Approved
4 415. Mariposa at Ellwood, 7760 Hollister Ave.	62,481 ft ² assisted living (90 residents)	Approved
4 516. Westar, Hollister Ave. northwest of Glen Annie Rd.	Mixed use with 279 residential units and 90,054 ft ² retail space	Approved (subject to pending legal challenge)
4 617. Target Store, 6466 and 6470 Hollister Ave. and 170 Los Carneros Way	120,690 ft ² net new grocery market	Pending
17. Bacara Resort & Spa Expansion	189,217 ft², 55 two-/three-bedroom units	Pending [withdrawn]
18. Sandpiper Golf Course Renovations, 7925 Hollister Ave.	Renovation and redevelopment of existing golf course: reconfiguration of course layout, demolish existing 8,924 ft ² clubhouse, build new 27,651 ft ² clubhouse, and lot split	Pending
19. Rancho Mobile Home Park Subdivision (Guggenheim), 7465 Hollister Ave.	Subdivision of 17.84 acre rental mobile home park property (150 existing mobile homes)	Approved (subject to pending legal challenge)
20. Cabrillo Business Park, 6767 Hollister Ave.	Business Park with new structures totaling 693,100 ft ² (research & development, self storage, onsite service related uses)	Under construction
21. FLIR Addition to Cabrillo Business Park, 6769/775 Hollister Ave.	11,827 ft ² (net new) office building addition	Approved
22. Village at Los Carneros, S. Los Carneros Rd., Cortona/Castillian Dr.	184 residential units	Approved
23. Cortona Apartments, 6830 Cortona Dr.	176 residential units	Pending
24. Ellwood Mesa Open Space Plan/City of Goleta	238 acre habitat protection and recreation, including trail connections, habitat restoration, parking, etc.	Complete

Table 3-1. Relevant Cumulative Projects

Project Name/Applicant	Brief Description	Status
25. Ellwood-Devereux Coast Open Space and Habitat Management Plan/Santa Barbara County	Implementation of Open Space Plan actions, including trail connections, habitat restoration, parking, restroom upgrade, etc.	Complete
26. Rincon Palms Hotel, 6868/78 Hollister Ave.	(a) 75,580 ft ² hotel (102 rooms) and 6,000 ft ² restaurant; (b) 93,822 ft ² hotel (149 rooms) and 5,440 ft ² conference room.	(a) Approved (b) Pending
27. Ocean Meadows Residences	60 units of single-family homes and condominiums	Approved
28. Camino Real Marketplace Skating Facilities, 6985 Santa Felicia Dr.	46,000 ft ² ice rink, 17,000 ft ² roller rink	Approved
29. Costco Gas Station, 7095 Marketplace Dr.	10,800 ft ² 4-island gas station	Pending/ On Hold
30. University of California, Santa Barbara (UCSB) Sierra Madre Student Housing UCSB	(a) 151 units of family student housing on the UCSB North Campus, Storke-Whittier Parcel and (b) 172 units of faculty housing	(a) Approved (b) Anticipated
31. Ocean Walk at North Campus Faculty Housing, UCSB	161 units of faculty housing on the UCSB North Campus, North Parcel	22 units Under Construction, Others need CCC Approval
32. Los Carneros Pointe, Los Carneros Road/Los Carneros Way	31,051 ft ² commercial development including a day-care facility, restaurant, shops, and office	Pending
33. Haskell's Landing, Hollister Avenue west of Las Armas Road	102 residential units – mix of single-family, duplex, and triplex units	Under construction
34. Goleta West Sanitation District	Trunk line project at Devereux Creek and Phelps Road	Pending
35. The Corner Shoppes, 7000 Hollister Ave.	15,300 ft ² retail/financial institution	Pending
36. Fire Station 10, 7952 Hollister Ave.	9,000 ft ² fire station	Pending
Residential, Commercial, Institutional, and Recreational Projects — Line 96 Pipeline Route		
37. Eagle Canyon Ranch (Parsons), north and south of Hwy 101, immediately west of Naples townsite, west of Bacara Resort	1,060 acres, 4 units	Pending
38. Santa Barbara Ranch Project, two miles west of the City of Goleta	Amendments to County's Comprehensive Plan, Coastal Land Use Plan and Zoning Ordinance, a variety of subdivision and entitlement applications.	Pending, in litigation
39. Dos Pueblos Ranch Lot Line Adjustment	Lot Line Adjustment (about 2,053 acres) would help reconfigure a parcel that would be subdivided and developed under a Vesting Tentative Parcel Map approved as part of Santa Barbara Ranch Project.	Approved
40. Las Varas/ Edwards Ranch (Doheny), north and south of Hwy 01, immediately west of Naples Townsite	1,800 acres, 7 lots/units	Recirculated Draft EIR in preparation
41. Tecolote Canyon, north of Hwy 101, West of Goleta	1,047 acres, 26 residential units	Pending

Table 3-1. Relevant Cumulative Projects

Project Name/Applicant	Brief Description	Status
42. Paradiso del Mare Ocean and Inland Estates, south of Hwy 101, 0.5 mile west from Bacara Resort	(a) 65 acres, 5,806 ft ² dwelling, 800 ft ² guest house and (b) 78 acres, 7,326 ft ² dwelling, 800 ft ² guest house	Final EIR released, Pending
43. Morehart Land Company Naples Townsite, south of Hwy 101	8 residential units, 14 acres	Pending
44. El Capitan Campground Expansion	100 new campsites, kiosk, bathhouse, comfort station, spa, pool and ancillary facilities in area east of existing campground	Approved
45. Dos Pueblos Naples Residential Development/Naples, south of Hwy 101, west of Tomate Canyon	63 acres, 10 residential units	Pending

1 *1. Carpinteria Field Redevelopment Project, Carone Petroleum Corporation, Signal Hill*
2 *Inc., and Pacific Operators Offshore LLC (POOL)*

3 Carone has submitted a Plan of Development to the CSLC and Signal Hill and POOL
4 have submitted a revised Development and Production Plan to the Bureau of Ocean
5 Energy Management (BOEM) to develop and produce existing State Oil and Gas
6 Leases PRC 4000, PRC 7911, and PRC 3133 within the Carpinteria Field by drilling up
7 to 25 new production or injection wells from federal Platform Hogan. Oil and gas
8 production from the State Leases would be commingled on federal Platform Hogan with
9 existing production from the Federal lease and sent via existing pipelines to the La
10 Conchita Facility in Ventura County. A public Draft EIR/EIS is expected to be available
11 in late 2014.

12 *2. Paredon Project, Venoco*

13 Venoco originally applied to the CSLC (application received in February 2005) and to
14 the City of Carpinteria to develop existing State Oil and Gas Lease PRC 3150.1 by
15 conducting extended-reach drilling from an onshore site located within Venoco's
16 existing Carpinteria Oil and Gas Processing Facility, in the City of Carpinteria. Venoco
17 estimates that this project could produce up to 10,000 BOPD of crude oil and 10 million
18 standard cubic feet per day (MMSCFD) of gas. The City of Carpinteria's Environmental
19 Review Committee voted in May 2008 to delay issuance of the Final EIR, pending
20 development of additional analysis and mitigation measures; City of Carpinteria voters
21 subsequently defeated a Venoco-sponsored ballot initiative to directly approve the
22 project, obviating the need for City regulatory approval. In June 2013, Venoco submitted
23 new applications to the City and CSLC for a modified project with that would drill from
24 the same location as the previously proposed project, but would involve fewer wells and
25 a reduced drilling duration.

1 3. *Ellwood Marine Terminal Demolition and Reclamation Project, Venoco*

2 Following completion of the Line 96 Modification Project in 2012 (refer to #4 below), the
3 EMT is no longer used. As of September 2013, Venoco has submitted revised applications
4 to various agencies to decommission the onshore and offshore portions of the EMT.

5 4. *Line 96 Modification Project, Ellwood Pipeline, Inc. (a subsidiary of Venoco, Inc.)*

6 The Line 96 Modification Project, which included construction of a new 8.5-mile onshore
7 pipeline from the EOF to the PAAPLP Coastal Pipeline interconnection to the west of
8 LFC, was approved by Santa Barbara County and City of Goleta in August 2011, and
9 became operational in Spring 2012. With this pipeline operational, the EMT and old Line
10 96 segment connecting the EOF to the EMT are being decommissioned and
11 abandoned. The pipeline from PRC 421, if constructed, would connect to the new Line
12 96 pipeline via the EOF to the PAAPLP Coastal Pipeline west of LFC, allowing oil
13 produced at PRC 421 to be transported to market via pipeline.

14 5. *Dos Pueblos Pipeline Abandonment, ARCO*

15 In 1996, ARCO removed all surface equipment appurtenant to historic oil processing on
16 the Dos Pueblos site. However, pipelines remained in place that historically delivered
17 crude oil produced on the Dos Pueblos property to the EOF. The pipelines extended
18 approximately 2.5 miles, traversing private properties, and creek channels, including:
19 Eagle Canyon Ranch, Bacara Resort, Tecolote and Bell Creeks. The pipelines and
20 equipment removed include: above-ground portions of a 6-inch pipeline running from the
21 Dos Pueblos property to Bell Creek; a 5-line pipeline bundle and supports from the Dos
22 Pueblos property, across Eagle Canyon Ranch, and across Eagle Canyon Creek; a 6-
23 inch pipeline that crosses Tecolote Creek and Bell Creek, and pipeline supports; and
24 equipment and piping near the EOF. The pipelines abandoned in place included 800 feet
25 of pipeline west of the EOF and buried pipeline beyond the immediate channel of Bell
26 Creek. The County approved the MND and Demolition and Reclamation permit for the
27 pipeline removal on February 19, 2010. The project was completed in November 2011.

28 6. *Offshore Oil and Gas Leasing*

29 Currently, there are 43 active Outer Continental Shelf (OCS) oil and gas leases offshore
30 of Southern California. Production from these leases is expected to continue for the next
31 5 to 20 years. The Bureau of Safety and Environmental Enforcement (BSEE) has not
32 received any proposals to decommission offshore facilities on federal OCS leases.

33 7. *Southern California Gas Storage Enhancement Project*

34 Southern California Gas Company is proposing to produce native gas from an onshore
35 natural gas reserve located under its La Goleta Storage Field. The project would include

1 the development of two production wells, two exploratory wells, 2,800 feet of
2 underground pipeline, and a dehydration unit at the La Goleta Storage Field. The
3 applicant estimates there is 3 to 5 billion cubic feet of recoverable gas. The withdrawal
4 of native gas would enhance the existing storage field by expanding the total storage
5 capacity at the facility. Once gas reserves have been produced, the production wells
6 would be integrated into storage operations. The exploration wells are proposed to
7 investigate the feasibility of producing native gas from an adjacent natural gas reserve.
8 In June 2013, Santa Barbara County certified a Final EIR and approved the project.

9 *8. Platform Holly Power Cable Replacement Project*

10 In October 2013, Venoco completed installation of a new power cable to replace the
11 existing 46-year-old submarine power cable that runs approximately 2,200 feet (800 feet
12 onshore and 1,400 feet offshore) from the EOF to Platform Holly. The replacement
13 cable follows the general route of the existing cable.

14 9. South Ellwood Field Project

15 In July 2014, Venoco's application for an adjustment to existing easterly lease boundary
16 line for PRC 3242.1 with related re-drills of existing wells from Platform Holly was found
17 complete by the CSLC. As proposed, the Project includes: (1) an additional 5,327 acres
18 would be included in PRC 3242.1, thereby allowing Venoco to access more of the South
19 Ellwood Field, which extends through this area; and (2) Venoco would re-drill up to six
20 wells from Platform Holly into the new lease area.

21 910. Santa Ynez Unit Offshore Power System Reliability – B Project

22 ExxonMobil is proposing to conduct an at-sea replacement of the C1 power cable which
23 ceased operating in spring of 2009. The project would occur in the western Santa
24 Barbara Channel near ExxonMobil's Platform Heritage in 1,125 feet water depth and is
25 expected to take up to 25 days.

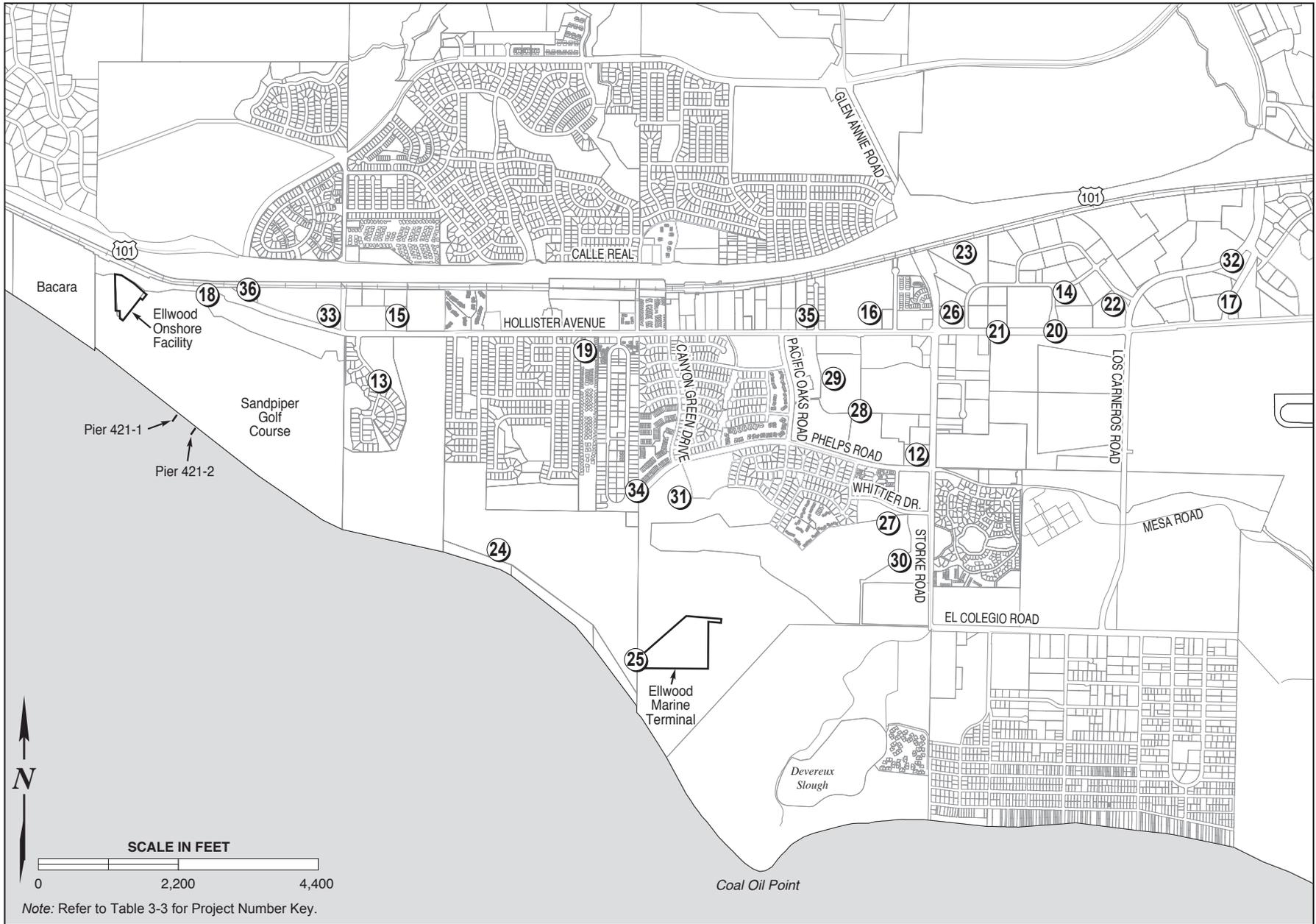
26 1011. Chevron 4H Shell Mounds Disposition and Carpinteria Salt Marsh Restoration 27 Project

28 Chevron has applied to the CSLC and Santa Barbara County to implement the 4H
29 Platform Shell Mounds Disposition and Carpinteria Salt Marsh Enhancement Project.
30 The proposed Project has four components: (1) quitclaim Chevron's interest in State Oil
31 and Gas Leases PRC 1824 and PRC 3150, the former sites of Platforms Hazel, Hilda,
32 Hope and Heidi (known collectively as the "4H Platforms"); (2) leave in place the "shell
33 mounds" and embedded Hazel caisson remnants that remain on the seafloor at the
34 former 4H Platform sites; (3) enhance Basin 3 in the Carpinteria Salt Marsh by removing
35 the existing sand plug and non-native vegetation; and (4) provide funds for additional
36 future marsh and/or coastal habitat improvements (or other conservation purposes).

1 The Carpinteria Salt Marsh is located in southern Santa Barbara County west of the City
2 of Carpinteria. The shell mounds are located in the eastern portion of the Santa Barbara
3 Channel in water depths ranging from 96 to 137 feet.

4 **3.2 PROJECTS IN THE ELLWOOD AREA**

5 In addition to projects 3, 4, 5, ~~and~~ 8, and 9 described above, which are located in the
6 Ellwood area, a number of residential, institutional, recreational, and commercial
7 projects are proposed in both on and offshore locations in the Ellwood area, near the
8 proposed Project. These projects could directly contribute to cumulative impacts in the
9 Project's primary impact area of both on and offshore areas, and resources within and
10 along the Ellwood Coast. Figure 3-2 indicates the location of the cumulative projects in
11 the immediate Project area. These projects, which are under the jurisdiction of the City
12 of Goleta, Santa Barbara County, UCSB, and the CSLC, are listed by corresponding
13 number in Table 3-3, beginning with 4012.



Note: Refer to Table 3-3 for Project Number Key.



Cumulative Residential, Commercial, Institutional, and Recreational Projects in the Ellwood Area [Revised]

FIGURE 3-2

This page intentionally left blank.