

Appendix E

Cultural Resources Assessment

Appendices

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CULTURAL RESOURCES ASSESSMENT FOR THE NEWPORT LAND USE ELEMENT, CITY OF NEWPORT BEACH, ORANGE COUNTY, CALIFORNIA

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Project Number: 2739

Type of Study: Cultural resources programmatic assessment

USGS 7.5' Quadrangle: Newport Beach, Tustin, Laguna Beach

Area: 33,920 acres

Key Words: Gabrielino, Tongva, Young Quaternary Deposits, Old Quaternary Deposits, Niguel Formation, Capistrano Formation, Monterey Formation; San Onofre Breccia, Topanga Group, intrusive volcanic rock, Vaqueros Formation

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MANAGEMENT SUMMARY

This study was conducted to review available information on known resources within the City of Newport Beach in support of the amendment to the City of Newport Beach 2006 General Plan Land Use Element. The Land Use Element is part of the City's General Plan which is a policy document for the long-range comprehensive development of the City. As a policy document, the General Plan provides the legal basis for all subdivision, zoning and related ordinances, and also the legal basis for the initiation and authorization for all public improvements and projects that may be proposed in the City's General Plan Updates and various Specific Plans.

The City is mapped as young Quaternary deposits, older Quaternary deposits, Niguel Formation, Capistrano Formation, Monterey Formation, San Onofre Breccia, Topanga Group, intrusive volcanic rock, and Vaqueros Formation. A paleontological records search conducted by the Natural History Museum of Los Angeles County determined that significant vertebrate fossils had been recovered from the older Quaternary deposits, Niguel Formation, Capistrano Formation, and Monterey Formation within the City boundaries and that fossils had been recovered from the Topanga Group and Vaqueros Formation nearby.

A search for archaeological and historical records was completed at the South Central Coastal Information Center (SCCIC) of California State University, Fullerton (CSUF). The records search covered the entire 33,920 acre Project study area. The cultural resources records and literature search completed at the SCCIC indicate that 352 cultural resources studies have been completed previously within the City. The results of these studies indicate there are 318 known cultural resources within the APE. Of these 313 resources, 265 are prehistoric sites, five are historic sites, six are multicomponent sites, nine are prehistoric isolates, one is a historic isolates, and 27 are historical architectural resources. Fifteen of the previously recorded architectural resources are listed in the Historical Resources Inventory. Within the Project subareas, the record search results found that 23 cultural resources studies have previously been conducted and 16 cultural resources have been recorded. The cultural resources include 15 prehistoric sites consisting of shell midden with varying artifacts and one historical resource, the 1953 site of the National Boy Scout Jamboree which is a California Point of Historical Interest.

A Sacred Lands File search was requested from the Native American Heritage Commission (NAHC). The NAHC replied that there are no known Native American cultural resources within the subareas but there are Native American sacred places in close proximity to them. The NAHC recommend that 14 Native American tribes or individuals be contacted that may have additional knowledge of the religious and cultural significance of historic properties within or immediately adjacent to the Project study area for further information. Ms. Rebecca Robles of the United Coalition to Protect Panhe responded that she considers any area of ground that has not been disturbed to be culturally sensitive. She requests that in these cases the appropriate archaeological investigation be implemented. She also requests to be kept informed of the project. Ms. Joyce Perry of the Juaneno Band of Mission Indians Acjachemen Nation responded that she does not oppose the land use amendment but does want to be notified of proposed projects for the increased development areas.

Unknown paleontological and archaeological resources may be present in areas that are both

developed and undeveloped. Mitigation Measure PC-1 shall be implemented to protect these resources. PC-1: The City shall have a standard condition in every grading and excavation permit which requires applicants to halt work upon discovery of any unanticipated buried resources such as fossils, cultural deposits or human burials until it can be evaluated by qualified professionals. Work may resume immediately at least 50 feet away from the discovery. In the event of identification of human remains, state law requires immediate notification to the County Coroner and adequate protection of the remains. No work may resume in that area until it is evaluated by the Coroner which may take up to 48 hours.

Known paleontological resources that meet significance criteria may be impacted by all of the proposed new projects with the exception of 813 East Balboa Boulevard (area 2) and Gateway Park (area 11). Mitigation Measure PC-2 shall be implemented to protect these resources. PC-2: The City shall have a standard condition in every grading and excavation permit which requires applicants for proposed projects with impacts to paleontologically sensitive formations and/or known fossil localities to retain a qualified paleontologist to provide a project paleontological resources mitigation plan and implement that plan. An executed curation agreement shall be part of the plan and the project proponent shall bear all expenses of the mitigation program including curation of materials meeting significance criteria.

Known prehistoric cultural resources that are potentially eligible for the California Register may be impacted by proposed new projects at Newport Center/Fashion Island (area 5), Newport Coast Center (area 6), Newport Coast Hotel (area 7), Bayside Center (area 8), The Bluffs (area 10), Newport Ridge (area 15) and Promontory Point (area 16). Mitigation Measure PC-3 shall be implemented for new projects in these areas. PC-3: The City shall have a standard condition in every grading and excavation permit which requires applicants for proposed projects with impacts to known cultural resources to retain a qualified archaeologist to provide a project cultural resources mitigation plan and implement that plan. An executed curation agreement shall be part of the plan and the project proponent shall bear all expenses of the mitigation program including curation of materials meeting significance criteria.

Changes to, or removal, of buildings over 45 years of age in all areas of the City may result in loss of buildings eligible for the California Register. Mitigation Measure PC-4 shall be implemented to evaluate buildings on a project by project basis. PC-4: The City shall require applicants for future proposed projects with intact extant building(s) or other aspects of the built environment more than 45 years old to provide a historic resource technical study evaluating the significance and data potential of the resource. All work must be performed by a qualified architectural historian meeting Secretary of the Interior Standards.

INTRODUCTION

PURPOSE OF STUDY

The objective of this Cultural Resources Assessment is to review available information on known resources within the City of Newport Beach in support of the Land Use Element Amendment. The Land Use Element is part of the City's General Plan which is a policy document for the long-range comprehensive development of the City. As a policy document, the General Plan provides the legal basis for all subdivision, zoning and related ordinances, and also the legal basis for the initiation and authorization for all public improvements and projects that may be proposed in the City's General Plan Updates and various Specific Plans.

PROJECT LOCATION

The City of Newport Beach is located along the coast in Orange County, California (Figure 1). The City is located on the western boundary of Orange County and bordered by Huntington Beach to the northwest, Costa Mesa to the north, Irvine to the northeast, and unincorporated areas of Orange County to the southeast. State Route 73 and Highway 1 traverse the City, and Interstate 405 and State Route 55 provide regional access to Newport Beach (Figure 2). The City's sphere of influence includes Banning Ranch, a large open space area abutting the northwest boundary of the City. Specifically, the City is located on Newport Beach, Tustin, and Laguna Beach 7.5-minute quadrangles (Table 1)

Table 1. Newport Beach Study Area Locations

Quad	Township	Range	Section
Newport Beach	6S	10W	11, 12, 13, 14, 17, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 33, 34, 35, 36
	7S	10W	1, 2
Tustin	6S	10W	12, 13, 24, 25,
	6S	9W	7, 18, 19, 20, 28, 29, 30
Laguna Beach	6S	10W	25, 36,
	6S	9W	28, 29, 30, 31, 32, 33, 34, 35
	7S	9W	2, 3, 4, 5, 6, 7, 8, 9, 10, 16, 17
	7S	10W	1

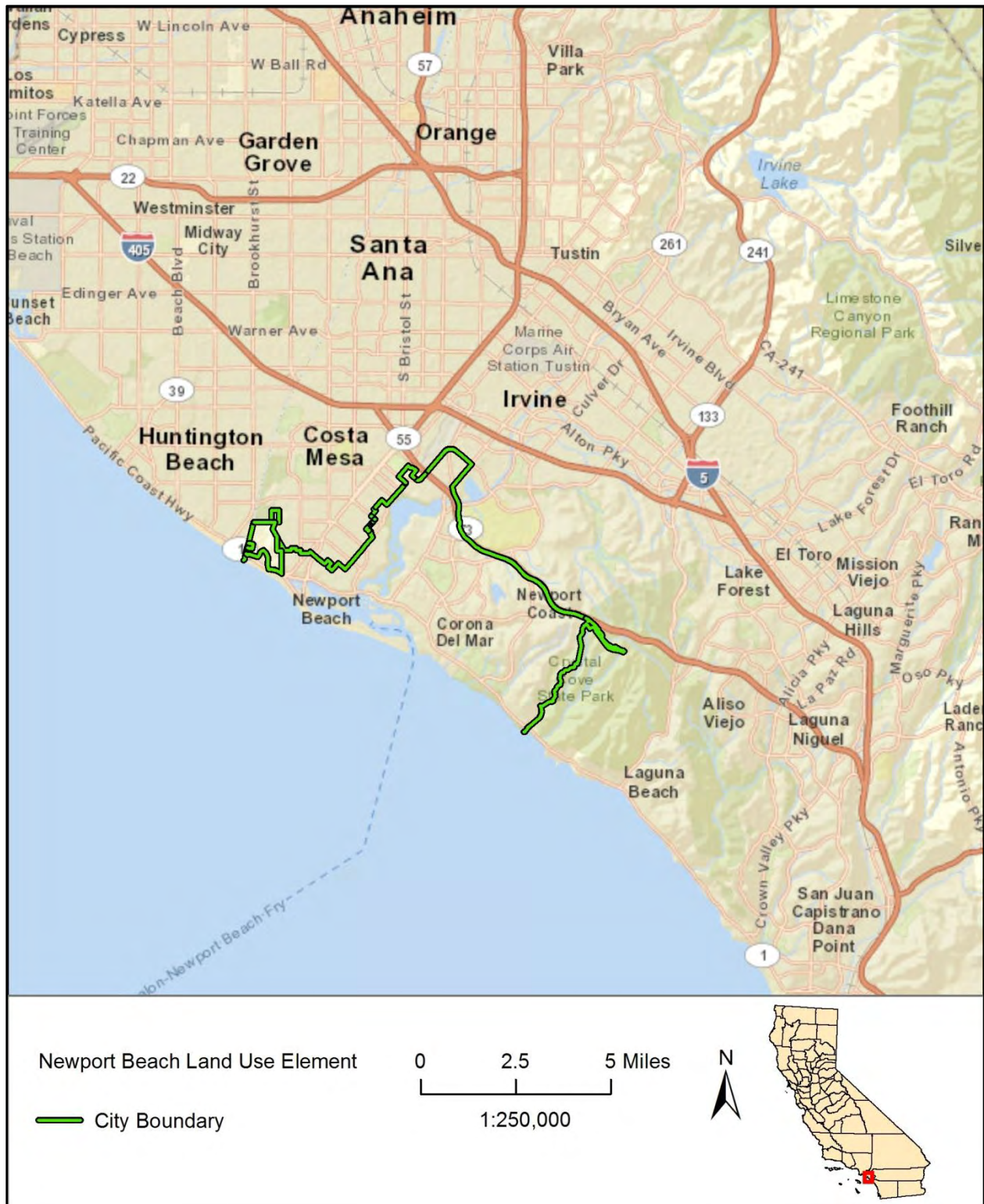


Figure 1. Project vicinity

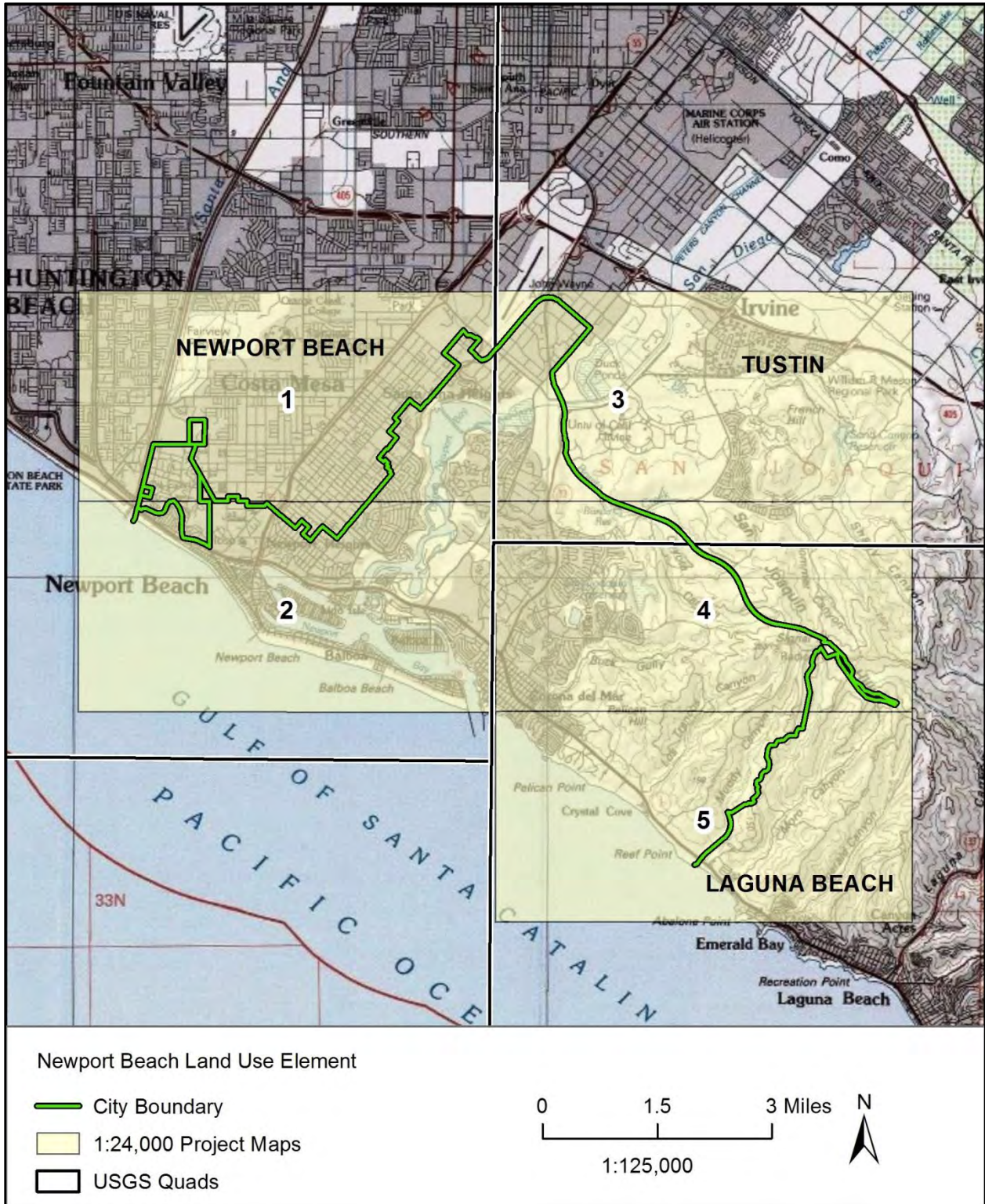


Figure 2A. Project area, Overview Map

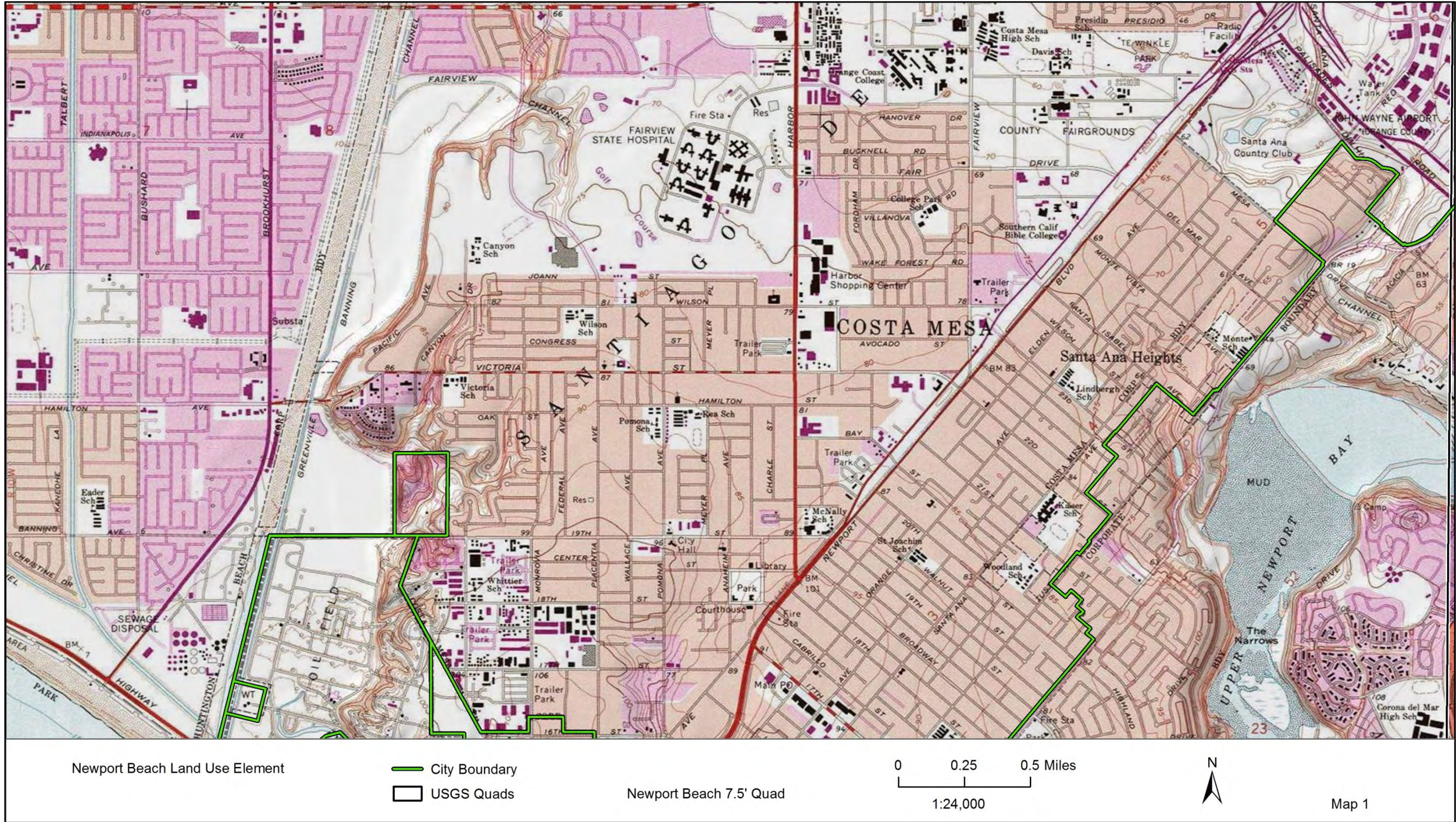


Figure 2B. Project area, Map 1

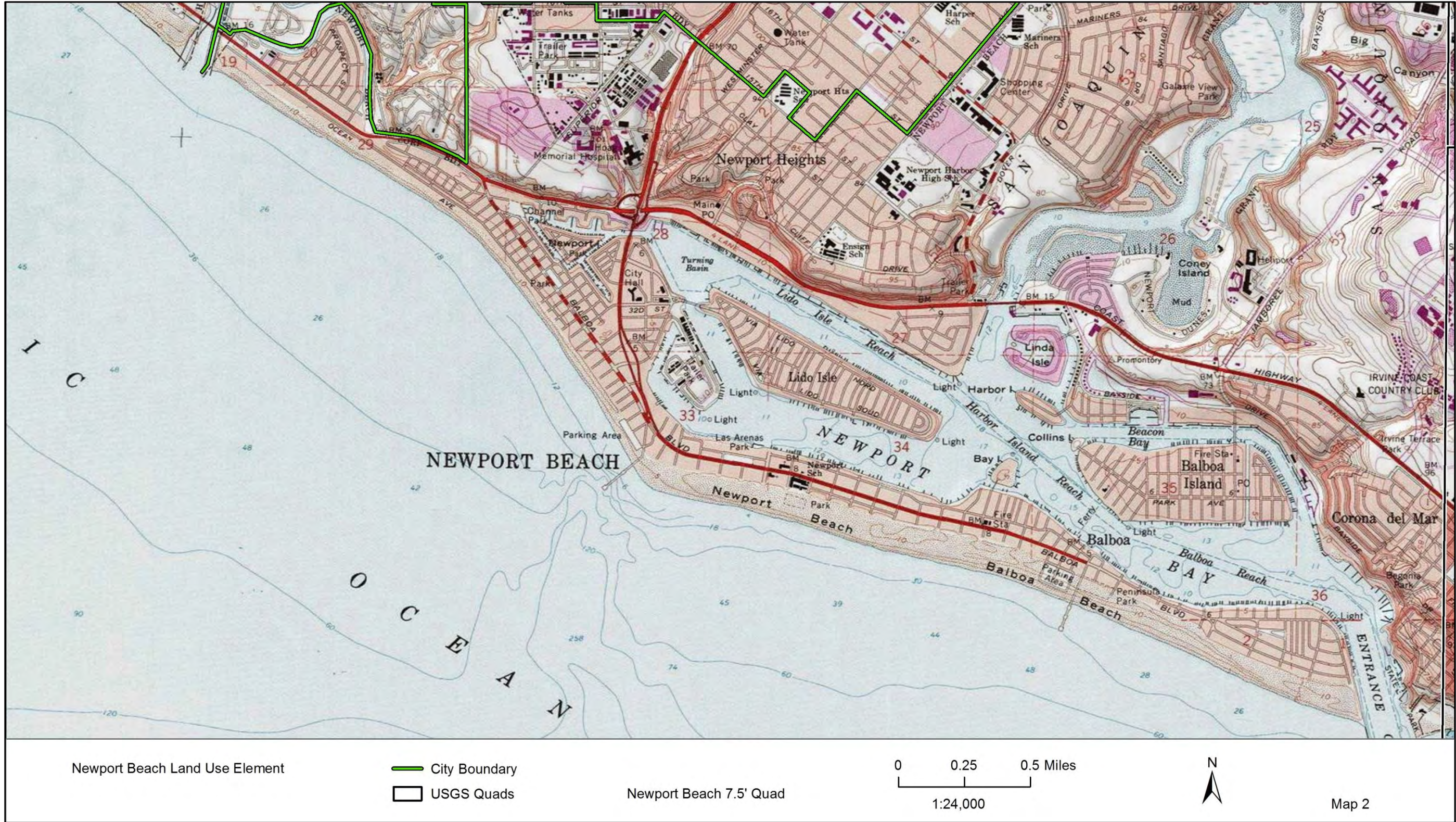


Figure 2C. Project area, Map 2

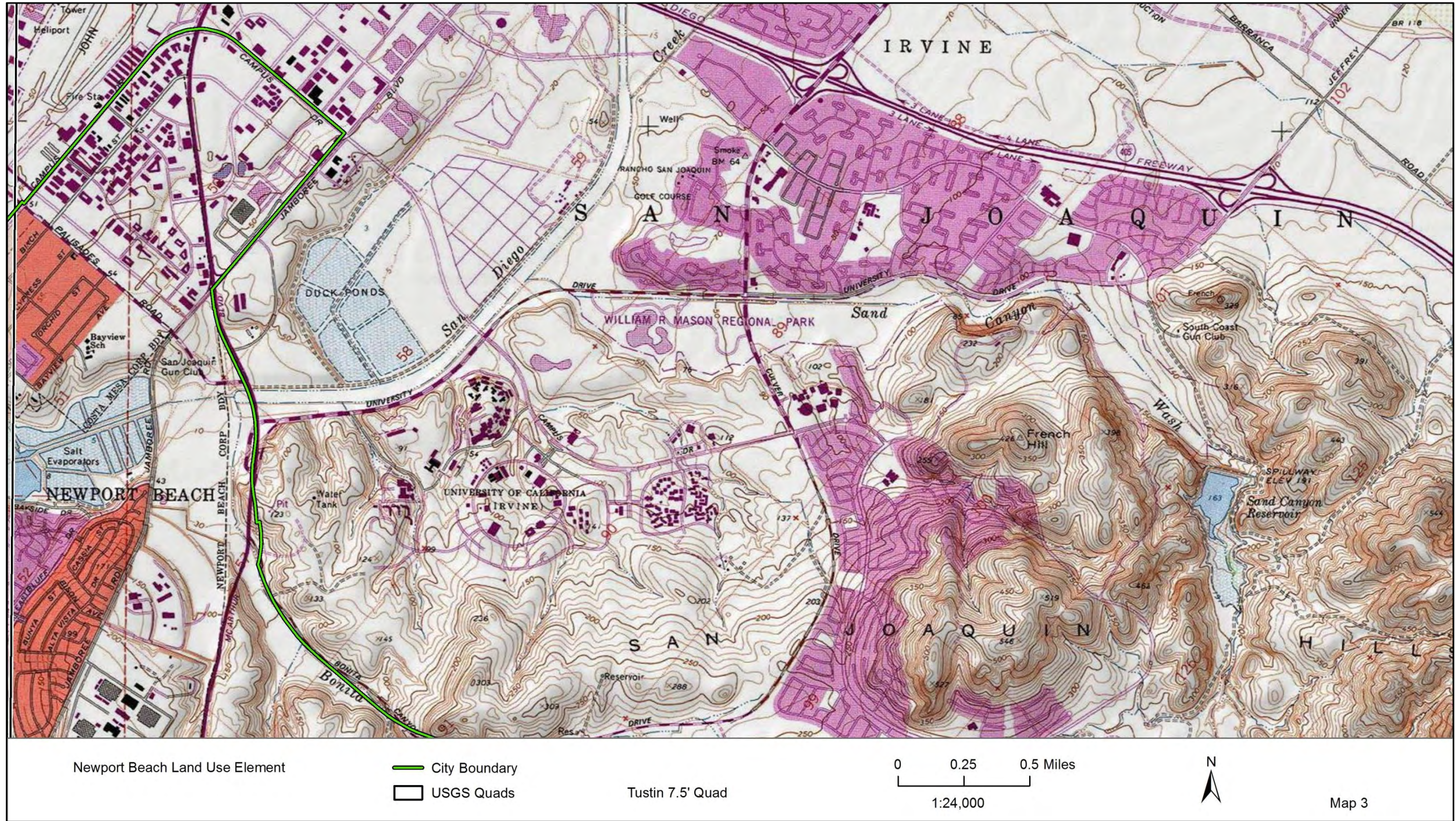


Figure 2D. Project area, Map 3

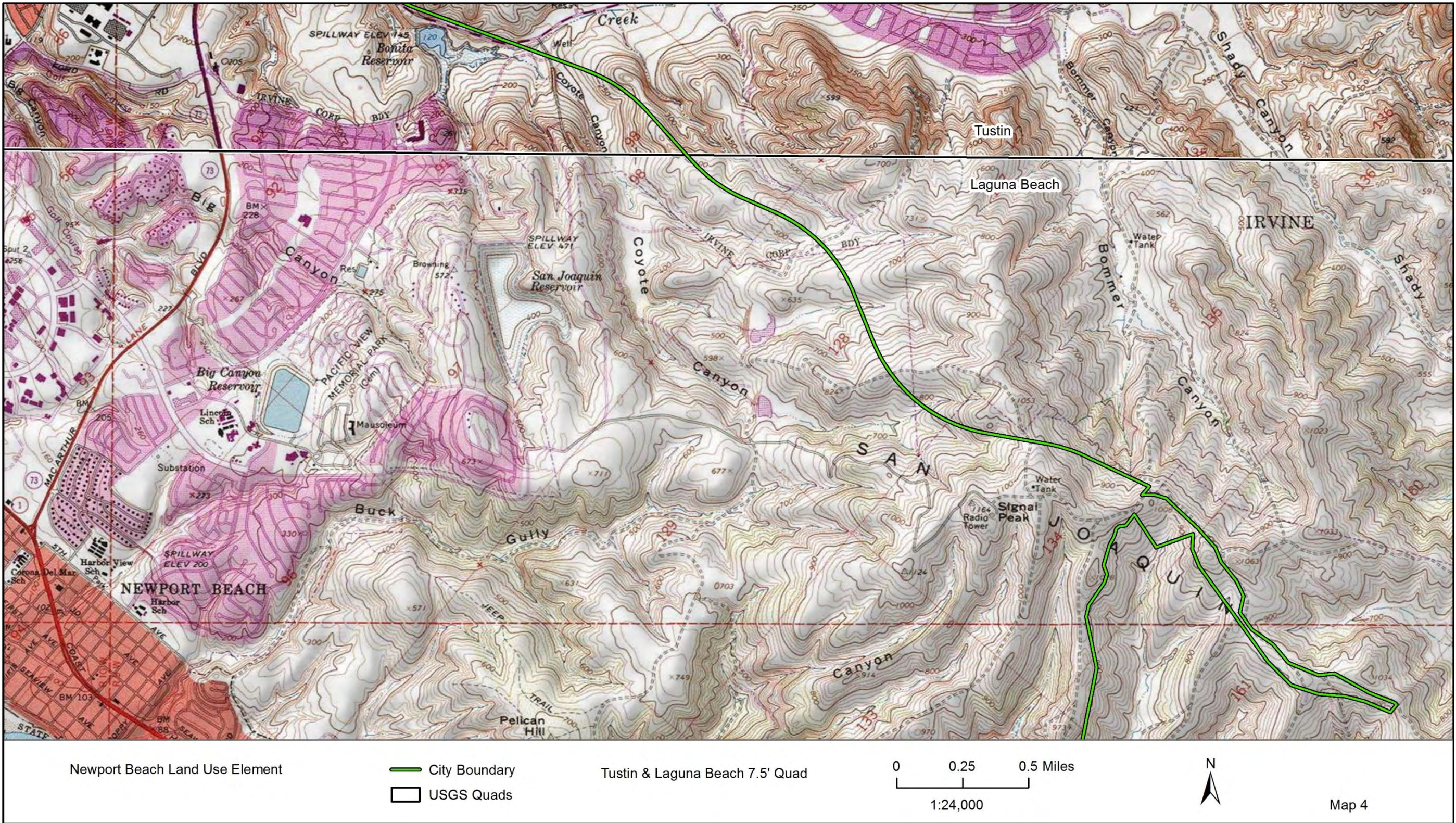


Figure 2E. Project area, Map 4

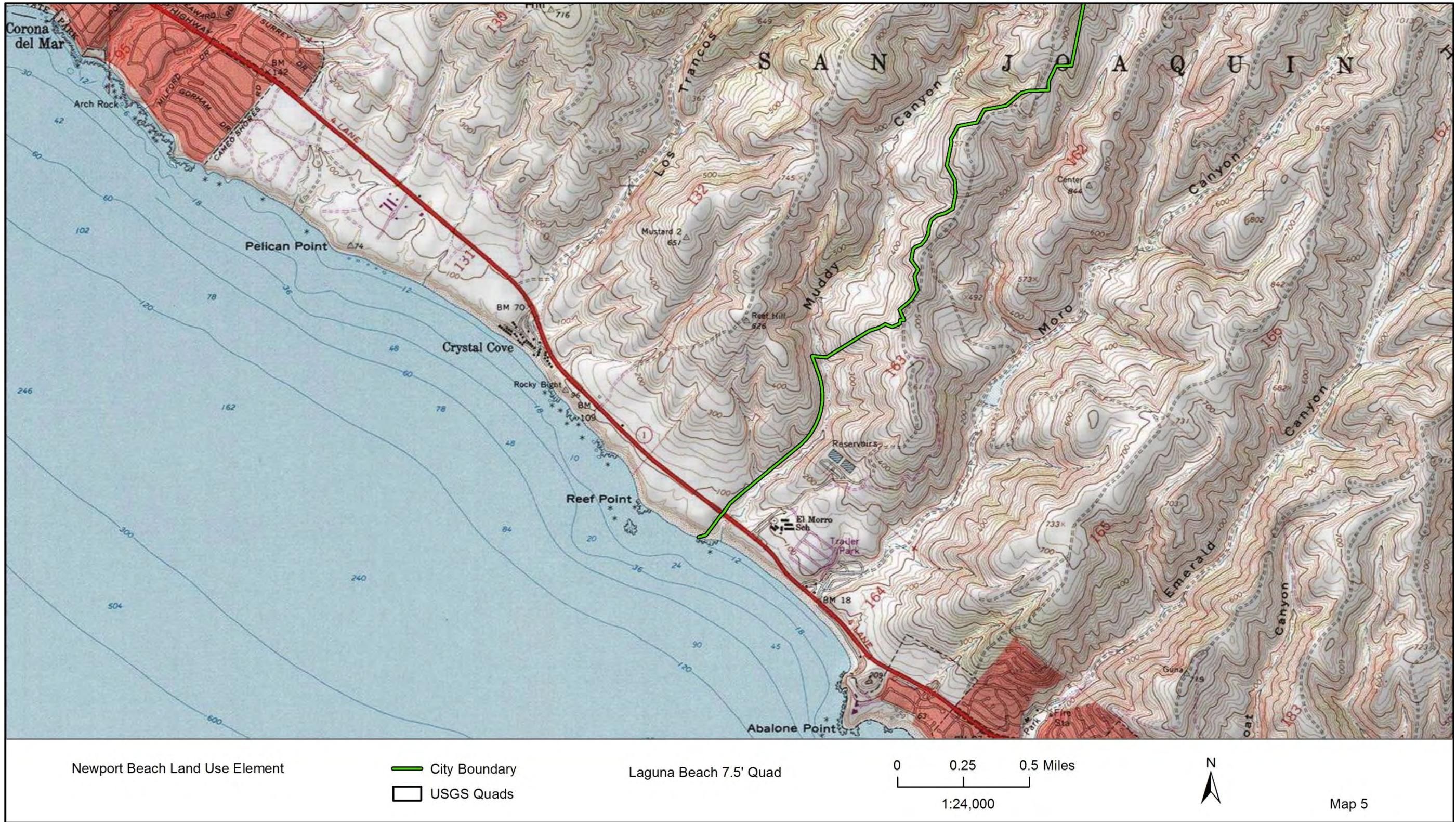


Figure 2F. Project area, Map 5

PROJECT DESCRIPTION

The Project is an amendment to the City of Newport Beach 2006 General Plan Land Use Element. The amendment is intended to shape future development within the City and involves the alteration, intensification, and redistribution of land uses in certain subareas of the City, including major areas such as Newport Center/Fashion Island, Newport Coast, and the Airport area near John Wayne Airport. The proposed land use map designation changes include increases and/or reductions in development capacity in these subareas. These subareas are numbered and indexed (Table 2 and Figure 3). The table compares the existing land use designation of the subarea, existing development, and allowable development capacity to the proposed land use designation, increase or decrease in development capacity, and simulated changes in average daily trips (ADT). The subareas are separated into three categories: (1) Areas with Reduced Development Capacity, (2) Areas with Increased Development Capacity and (3) Areas with Change of Land Use Designation and Increased Development Capacity (blue numbers)

The Amendment will also include Land Use Element Policy revisions related to land use changes, in support of recent Neighborhood Revitalization efforts, and, as appropriate, updates/refinements to policies. Subsequent amendments the Newport Beach Coastal Land Use Plan (LUP), the Newport Coast Local Coastal Program (LCP), and Zoning Code and Map will be necessary to reflect the amendment to the General Plan.

PROJECT PERSONNEL

Cogstone Resource Management Inc. (Cogstone) conducted the cultural resources studies. Sherri Gust served as the Principal Investigator for the project, supervised all work, and wrote regulatory environment, prehistoric setting and the conclusions and recommendations. Gust is a Qualified Principal Paleontologist and Registered Professional Archaeologist. She has a M.S. in Anatomy (Evolutionary Morphology) from the University of Southern California, a B.S. in Anthropology from the University of California at Davis and over 30 years of experience in California.

Holly Duke and Sarah Sederholm performed the archaeological records search. Duke has a B.A. in Archaeology from Simon Fraser University and Sederholm has a B.A. in Anthropology from California State University, Long Beach. Molly Valasik wrote sections of the report including the Historic section and the Record Search section. Valasik also prepared the maps and conducted the consultation. Valasik has a M.A. in Anthropology from Kent State University and 4 years of experience in Southern California archaeology. Courtney Richards wrote the paleontology sections of the report. Richards has a M.S. in Biological Sciences with an emphasis in Paleontology from Marshall University and a B.S. in Earth and Space Sciences from the University of Washington. Qualifications of key project personnel are provided (Appendix A).

Table 2. Proposed Land Use Changes

AREAS WITH REDUCED DEVELOPMENT CAPACITY								
Map Reference	Location	2006 General Plan		Existing	Proposed Changes			ADT Changes
		Designation	Allowable		Designation	Increase (Reduction)	Remaining	
3	Westcliff Plaza 1000–1150 Irvine Avenue	Neighborhood Commercial (CN)	138,500 SF	112,986 SF	No Change	(15,514 SF)	10,000 SF	(593)
6	Newport Coast Center 21101–21185 Newport Coast Drive	Neighborhood Commercial (CN)	141,787 SF	103,712 SF	No Change	(37,875 SF)	200 SF	(1,448)
7	Newport Coast Hotel	Visitor-Serving Commercial (CV)	2,150 rooms	1,104 rooms	No Change	(1,001 rooms)	45 rooms	(7,588)
8	Bayside Center 900–1090 Bayside Drive	Neighborhood Commercial (CN)	66,000 SF	65,284 SF	No Change	(366 SF)	350 SF	(14)
9	Harbor View Center 1610–1666 San Miguel Drive	Neighborhood Commercial (CN)	74,000 SF	71,993 SF	No Change	(1,857 SF)	150 SF	(71)
10	The Bluffs 1302–1380 Bison Avenue	General Commercial (CG)	54,000 SF	50,312 SF	No Change	(3,538 SF)	150 SF	(135)
11	Gateway Park 3531 Newport Boulevard	Commercial Corridor (CC)	4,356 SF	0	Parks and Recreation (PR)	(4,356 SF)	0	(167)
15	Newport Ridge (various locations)	Multi-Unit Residential (RM) Single Unit Residential Detached (RS-D)	2,550 DUs	2,187 DUs	No Change	(356 DUs)	7 DUs	(2,370)

AREAS WITH INCREASED DEVELOPMENT CAPACITY								
Map Reference	Location	2006 General Plan		Existing	Proposed Changes			ADT Changes
		Designation	Allowable		Designation	Capacity	Increase / (Decrease)	
5	Newport Center/ Fashion Island	Regional Commercial (CR), Regional Commercial Office (CO-R), Medical Commercial Office (CO-M), Mixed Use Horizontal (MU-H3), Visitor- Serving Commercial (CV), Multi-Unit Residential (RM)	Various	Retail, Office, Residential, Hotel	No Change	Varies	Regional Office 500,000 SF; Regional Commercial 50,000 SF; Multi-Family 500 units	8,768
17	150 Newport Center Drive	Regional Commercial Office (CO-R)	8,500 SF	8,500 SF Car Wash	Mixed-Use Horizontal (MU-H3)	125 hotel rooms (24.8 K SF Commercial)	125 hotel rooms (24.8 K SF Commercial)	623
18	100 Newport Center Drive	Regional Commercial Office (CO-R)	17,500 SF	17,500 SF Museum	Mixed-Use Horizontal (MU-H3)	32,500 SF	15,000 SF	352
12	Harbor Day School 3443 Pacific View Drive	Private Institutional	.35 FAR 408 Students	99,708 SF 408 Students	No Change	.40 FAR 480 Students	14,244 SF 72 Students	94
4	Saunders Properties	Airport Office and Supporting Uses (AO)	306,923 SF Office	360,923 SF Office	Mixed Use Horizontal (MU- H2)	545,000 SF office 329 DUs	238,077 SF 329 DUs	5,040
	The Hangars	General Commercial Office (CO-G)	288,264 SF Office	288,264 SF Office	General Commercial (CG)	278,264 SF office	11,800 SF retail	342
	Lyon Communities	Mixed Use Horizontal (MU- H2)	250,176 SF Office	250,176 SF Office	No Change	Retail: 85K SF Res: 850 replacement DUs Hotel: 150 rms	Retail: 85K SF Res: 850 replacement DUs Hotel: 150 rms	5,780
	UAP Companies 4699 Jamboree Road and 5190 Campus Drive	Mixed Use Horizontal (MU- H2)	46,044 SF Office	46,044 SF Office	Mixed Use Horizontal (MU- H2)	Mixed Use: 46,044 SF Congregate Care: 148,000 SF	Revise Anomaly #6 to allow 2.0 FAR if trip neutral congregate care	0
16	Promontory Point Apartments 200 Promontory Drive West	Multiple Residential (RM) 520 DUs	520 DUs	520 DUs	No Change	570 DUs	50DUs	269

AREAS WITH CHANGE OF LAND USE DESIGNATION AND INCREASED DEVELOPMENT CAPACITY							
Map Reference	Location	2006 General Plan		Existing	Proposed Changes		ADT Changes
		Designation	Allowable		Designation	Density	
1	1526 Placentia (King's Liquor)	Multi-Unit Residential (RM)	18 DU/AC	Retail: 7,524 SF	General Commercial (CG)	0.5 FAR	251
2	813 East Balboa Boulevard	Two-Unit Residential (RT)	2 units	Day Spa: 1,917 SF	Mixed-Use Vertical (MU-V)	0.75 FAR	65

ADT = Average Daily Trips
 DU = Dwelling Units
 FAR = Floor to land Area Ratio
 SF = Square Feet
 1. ADT based on increase of students. An existing Use Permit limits the number of students to 408. An increase in students would require an amendment to that permit, and project-specific impacts would be evaluated at that time.

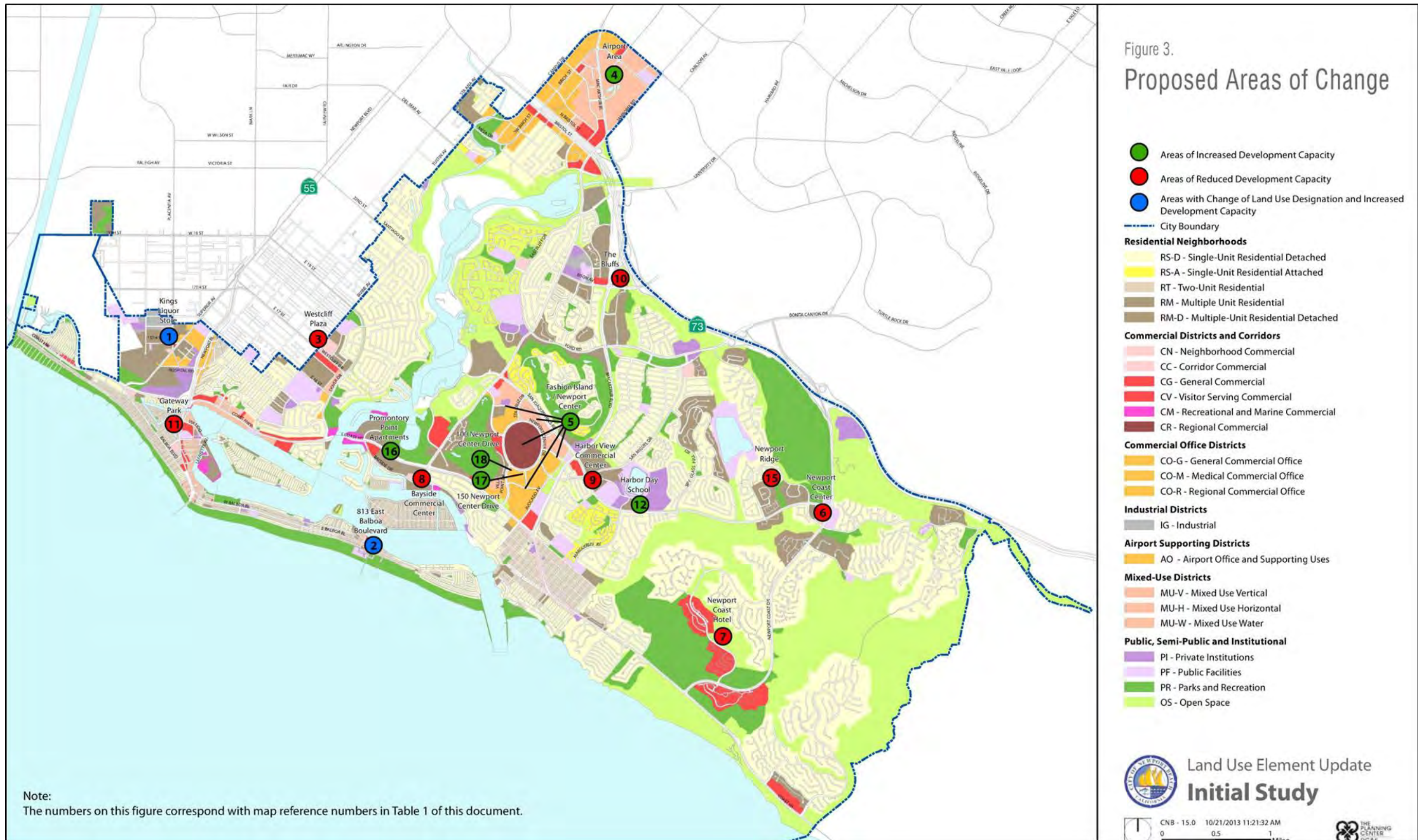


Figure 3. Proposed Areas of Change

REGULATORY ENVIRONMENT

CALIFORNIA ENVIRONMENTAL QUALITY ACT OF 1970, AS AMENDED

CEQA declares that it is state policy to "take all action necessary to provide the people of this state with...historic environmental qualities." It further states that public or private projects financed or approved by the state are subject to environmental review by the state. All such projects, unless entitled to an exemption, may proceed only after this requirement has been satisfied. CEQA requires detailed studies that analyze the environmental effects of a proposed project. In the event that a project is determined to have a potential significant environmental effect, the act requires that alternative plans and mitigation measures be considered.

CEQA includes historic and archaeological resources as integral features of the environment. If paleontological resources are identified as being within the proposed project area, the sponsoring agency must take those resources into consideration when evaluating project effects. The level of consideration may vary with the importance of the resource.

CALIFORNIA REGISTER OF HISTORICAL RESOURCES

The State Historical Resources Commission has designed this program for use by state and local agencies, private groups and citizens to identify, evaluate, register and protect California's historical resources. The Register is the authoritative guide to the state's significant historical and archeological resources.

The California Register program encourages public recognition and protection of resources of architectural, historical, archeological and cultural significance, identifies historical resources for state and local planning purposes, determines eligibility for state historic preservation grant funding and affords certain protections under the California Environmental Quality Act.

To be eligible for listing in the California Register, a resource must meet at least one of the following criteria:

- 1) Associated with events that have made a significant contribution to the broad patterns of local or regional history or the cultural heritage of California or the United States
- 2) Associated with the lives of persons important to local, California or national history
- 3) Embodies the distinctive characteristics of a type, period, region or method of construction or represents the work of a master or possesses high artistic values
- 4) Has yielded, or has the potential to yield, information important to the prehistory or history of the local area, California or the nation

In addition to having significance, resources must have integrity for the period of significance. The period of significance is the date or span of time within which significant events transpired, or significant individuals made their important contributions. Integrity is the authenticity of a historical resource's physical identity as evidenced by the survival of characteristics or historic fabric that existed during the resource's period of significance. Alterations to a resource or changes in its use over time may have historical, cultural, or architectural significance. Simply, resources must retain enough of their historic character or appearance to be recognizable as historical resources and to convey the reasons for their significance. A resource that has lost its historic character or appearance may still have sufficient integrity for the California Register, if, under Criterion 4, it maintains the potential to yield significant scientific or historical information or specific data.

DEFINITION OF SIGNIFICANCE FOR PALEONTOLOGICAL RESOURCES

Only qualified, trained paleontologists with specific expertise in the type of fossils being evaluated can determine the scientific significance of paleontological resources. Fossils are considered to be significant if one or more of the following criteria apply:

1. The fossils provide information on the evolutionary relationships and developmental trends among organisms, living or extinct;
2. The fossils provide data useful in determining the age(s) of the rock unit or sedimentary stratum, including data important in determining the depositional history of the region and the timing of geologic events therein;
3. The fossils provide data regarding the development of biological communities or interaction between paleobotanical and paleozoological biotas;
4. The fossils demonstrate unusual or spectacular circumstances in the history of life;
5. The fossils are in short supply and/or in danger of being depleted or destroyed by the elements, vandalism, or commercial exploitation, and are not found in other geographic locations.

As so defined, significant paleontological resources are determined to be fossils or assemblages of fossils that are unique, unusual, rare, uncommon, or diagnostically important. Significant fossils can include remains of large to very small aquatic and terrestrial vertebrates or remains of plants and animals previously not represented in certain portions of the stratigraphy. Assemblages of fossils that might aid stratigraphic correlation, particularly those offering data for the interpretation of tectonic events, geomorphologic evolution, and paleoclimatology are also critically important. Paleontological remains are recognized as nonrenewable resources significant to the history of life (Scott and Springer 2003).

BACKGROUND

GEOLOGICAL SETTING

The City is situated in the northern Peninsular Ranges Geomorphic Province. This province is comprised of a series of mountain ranges separated by northwest trending valleys paralleling faults that branch off from the San Andreas Fault to the east. The Peninsular Ranges Province is located in the southwestern corner of California and is bound by the Transverse Range Province to the north and the Transverse Range and Colorado Desert to the east (Wagner 2002).

STRATIGRAPHY

The City is at the eastern margin of Orange County's Coastal Province (Cooper n.d.). It is mapped as recent artificial fill; Holocene very young wash deposits, very young landslide deposits, very young eolian deposits, very young marine deposits, and very young estuarine deposits; Holocene and late Pleistocene young alluvial-fan deposits, young axial-channel deposits, young landslide deposits; late to middle Pleistocene old paralic deposits; middle to early Pleistocene very old axial channel deposits and very old paralic deposits; Pliocene Niguel Formation; early Pliocene and Miocene Capistrano Formation; Miocene Monterey Formation; middle Miocene San Onofre Breccia, Topanga Group (Paulerino, Los Trancos, and Bommer formations), and intrusive volcanic rock; and the early Miocene to late Eocene Vaqueros Formation (Figure 4, Morton and Miller 2006).

RECENT ARTIFICIAL FILL (QAF)

These recent deposits consist of sand, gravel, and bedrock that has been placed as a result of construction or excavation activities. They are usually mapped in areas with highways, canals, railways, dams, and water catchment basins (Morton and Miller 2006).

QUATERNARY VERY YOUNG WASH DEPOSITS (QW)

Holocene (11,700 years old to present) deposits consisting of unconsolidated sand and gravel in active washes and channels. These deposits exhibit almost no soil development and have fresh flood scours and channel and bar morphology (Morton and Miller 2006).

QUATERNARY VERY YOUNG LANDSLIDE DEPOSITS (QLS)

These sediments were deposited as a result of slope failure that occurred during the Holocene (11,700 years ago to present). Landslide deposits are characterized by soil mixed with rubble and displaced blocks of bedrock (Morton and Miller 2006).

QUATERNARY VERY YOUNG EOLIAN DEPOSITS (QE)

These sediments were deposited by wind activity during the Holocene (11,700 years ago to present). In the Newport Beach area, these deposits are unconsolidated fine-grained sand and silt dunes that formed along the coast (Morton and Miller 2006).

QUATERNARY VERY YOUNG MARINE DEPOSITS (QM)

The very young marine deposits formed along the coast during the Holocene Epoch (11,700 years ago to present). These deposits form sandy beaches that are either active or recently active (Morton and Miller 2006).

QUATERNARY VERY YOUNG ESTUARINE DEPOSITS (QES)

These Holocene (11,700 years ago to present) sediments were deposited in active estuary environments. Sediments consist of unconsolidated, sand, silt, and clay that is rich in organic material (Morton and Miller 2006).

QUATERNARY YOUNG ALLUVIAL-FAN DEPOSITS (QYF)

The young alluvial fans were deposited during the Holocene and late Pleistocene (<126,000 years ago). They form large and small fans that consist of unconsolidated to moderately consolidated silt, sand, pebbles, cobbles, and boulders. Fans are slightly to moderately dissected at the surface (Morton and Miller 2006).

QUATERNARY YOUNG AXIAL-CHANNEL DEPOSITS (QYA)

Silt, sand, and gravel deposited by axial channels during the Holocene and late Pleistocene (<126,000 years ago). Sediments are slightly to moderately consolidated and have differing degrees of silt-profile development and erosional dissection (Morton and Miller 2006).

QUATERNARY YOUNG LANDSLIDE DEPOSITS (QYLS)

These deposits are similar to the very young landslide deposits, except that they are slightly dissected. The sediments were deposited as a result of slope failure that occurred during the Holocene and late Pleistocene (<126,000 years ago). Landslide deposits are characterized by mixed rubble and displaced blocks of bedrock (Morton and Miller 2006).

PLEISTOCENE OLD PARALIC DEPOSITS (QOP, QOP1-7, QOPF)

Nearshore marine and non-marine deposits laid down near the coastline during the middle to late Pleistocene (781,000 to 11,700 years ago). These deposits consist of poorly sorted, moderately permeable, reddish-brown, interdigitated strandline, beach, estuarine and colluvial deposits of silt, sand, and gravel. The paralic deposits are broken into seven units based on age of the sediments and location in the map quadrangle with Unit 7 being the youngest (80,000 years old) and Unit 1 the oldest (450,000 years old). In some areas, the old paralic deposits are overlain by a thin, discontinuous layer of younger alluvial sand deposits (unit Qopf) (Morton and Miller 2006).

PLEISTOCENE VERY OLD AXIAL-CHANNEL DEPOSITS (QVOA)

Deposits emplaced during the middle to early Pleistocene (2.5 million – 126 thousand years ago) by axial channels. These deposits are primarily composed of well consolidated, reddish brown alluvial sands with scattered layers of gravel and pebbles, silt, and clay. In places, this deposit may be overlain by a thin, discontinuous layer of younger alluvial material (Morton and Miller 2006).

PLEISTOCENE VERY OLD PARALIC DEPOSITS (QVOP)

Nearshore marine and non-marine deposits laid down near the coastline during the middle to early Pleistocene (2.5 million – 126 thousand years ago). Similar to the old paralic deposits, this unit consists of poorly sorted, moderately permeable, reddish-brown, interdigitated strandline, beach, estuarine and colluvial deposits of silt, sand, and gravel (Morton and Miller 2006).

PLIOCENE NIGUEL FORMATION (TN)

The Niguel Formation was laid down in a marine environment during the Pliocene (2.5 to 5.3 million years ago). The formation is comprised of brownish-gray, coarse grained sandstone interbedded with conglomeratic sandstone and conglomerate layers (Morton and Miller 2006).

PLIOCENE-MIOCENE CAPISTRANO FORMATION, SILTSTONE FACIES (TCS)

This formation is made up of marine sandstone and siltstone emplaced during the early Pliocene and Miocene (3.6 to 23 million years ago). The portion of the Capistrano Formation that is located in the Newport Beach area belongs to the siltstone facies. This facies is composed of white to pale grey, friable siltstone and calcareous mudstone with some diatomaceous and tuffaceous beds (Morton and Miller 2006).

MIOCENE MONTEREY FORMATION (TM)

Sediments of the Monterey Formation were deposited in a marine setting during the Miocene (5.3 to 23 million years ago). It is made up of white to pale brown, finely laminated siltstone interbedded with tan, fine to medium grained feldspar-rich sandstone (Morton and Miller 2006).

MIOCENE SAN ONOFRE BRECCIA (TSOB)

The middle Miocene (15.97 to 11.6 million years old) marine San Onofre Breccia consists of well-indurated; green, greenish gray, gray, brown and white breccia, conglomerate, lithic sandstone with some siltstone and mudstone and local diatomaceous shale and tuff beds. The breccia is comprised of large angular to subrounded schist clasts. This unit range from massive to well bedded and is up to 900 meters thick (Morton and Miller 2006).

MIOCENE TOPANGA GROUP, PAULERINO FORMATION (TTP)

Marine rocks of the Paulerino Formation were deposited during the middle Miocene (15.97 to 11.6 million years ago). The formation mainly consists of interbedded sandstone, siltstone, and

breccia with some tuffaceous beds. It has a maximum thickness of 380 meters and is unconformably overlain by the Capistrano Formation (Morton and Miller 2006).

MIOCENE TOPANGA GROUP, LOS TRANCOS FORMATION (TTLT)

This formation consists of pale gray to brownish–gray thin to medium bedded siltstone and fine grained sandstone that was emplaced during the middle Miocene (15.97 to 11.6 million years ago) in a marine environment. Some areas may include interbeds of medium to coarse grained sandstone and shale beds. The Los Trancos Formation is up to 945 meters thick (Morton and Miller 2006).

MIOCENE TOPANGA GROUP, BOMMER FORMATION (TTB)

This marine formation consists of medium to coarse grained sandstone with interbeds of finer grained sandstone and siltstones that were deposited during the middle Miocene (15.97 to 11.6 million years ago). Rocks range in color from gray to brownish gray and are locally conglomeratic (Morton and Miller 2006).

MIOCENE VOLCANIC INTRUSIVE ROCKS (TIEMD)

These volcanic rocks are associated with the middle Miocene (15.97 to 11.6 million years old) El Modeno Volcanics. In the City boundaries, these volcanics are comprised of a fine grained diabase. In most cases, this unit has been highly altered and decomposed (Morton and Miller 2006).

EARLY MIOCENE-LATE EOCENE VAQUEROS FORMATION (TV)

Rocks of the Vaqueros Formation (early Miocene to Late Eocene; 15.97 to 38 million years old) consist predominantly of marine sandstone. The massive to thick bedded sandstone and sandy siltstone contain thin bedded interbeds of siltstone, shale, mudstone and conglomerate. It is brownish gray in color (Morton and Miller 2006).

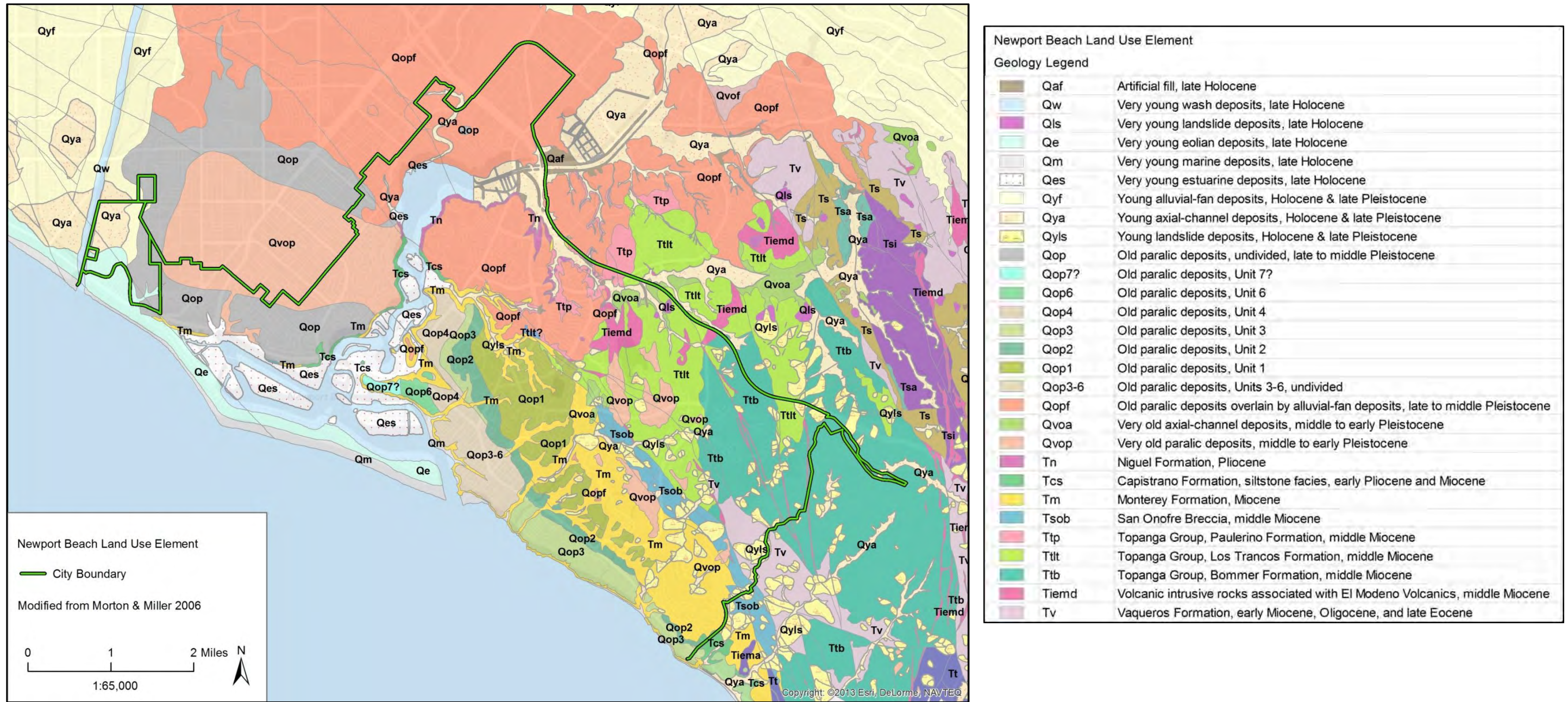


Figure 4. Geology Map

ENVIRONMENTAL SETTING

The project area consisted of open lagoons, estuaries and seasonal freshwater wetlands surrounded by coastal plain. Freshwater sources were natural springs, runoff from the Santa Ana Mountains, seasonal flooding of the Santa Ana River and pooling of rainwater in lowland areas.

Paleoclimatic data based on pollen from coastal sites indicate that there was a dramatic increase in both annual temperature and precipitation between 8000 and 7000 B.P., which would have led to a rich marsh habitat locally. Subsequently, by 7000 B.P., sea levels were 10 to 15 meters below current levels, and the shore line was at least 500 meters off shore than today (Altschul et al. 2007).

PREHISTORIC SETTING

Approaches to prehistoric frameworks have changed over the years from being based on material attributes to radiocarbon chronologies to association with cultural traditions. Archaeologists defined a material complex consisting of an abundance of milling stones (for grinding food items) with few projectile points or vertebrate faunal remains dating from about 7-3 thousand years before the present as the “Millingstone Horizon” (Wallace 1955). Later, the “Millingstone Horizon” was redefined as a cultural tradition named the Encinitas Tradition (Warren 1968) with various regional expressions including Topanga and La Jolla. Use by archaeologists varied as some adopted a generalized Encinitas Tradition without regional variations, some continued to use “Millingstone Horizon” and some used Middle Holocene (the time period) to indicate this observed pattern (Sutton and Gardner 2010:1-2).

Recently, the fact that generalized terminology is suppressing the identification of cultural, spatial and temporal variation and the movement of peoples throughout space and time was noted. These factors are critical to understanding adaptation and change (Sutton and Gardner 2010:1-2).

The Encinitas Tradition characteristics are abundant metates and manos, crudely made core and flake tools, bone tools, shell ornaments, very few projectile points with subsistence focusing on collecting (plants, shellfish, etc.). Faunal remains vary by location but include shellfish, land animals, marine mammals and fish. [Sutton and Gardner 2010:7]

The Encinitas Tradition has been redefined to have four patterns (Sutton and Gardner 2010: 8-25). These are (1) Topanga in coastal Los Angeles and Orange counties, (2) La Jolla in coastal San Diego County, (3) Greven Knoll in inland San Bernardino, Riverside, Orange and Los Angeles counties, and (4) Pauma in inland San Diego County.

About 3,500 years before present the Encinitas Tradition was replaced by a new archaeological entity, the Del Rey Tradition, in the greater Los Angeles Basin. This new entity has been generally assigned to the Intermediate and Late time periods. The changes that initiated the beginning of the Intermediate Period included new settlement patterns, economic foci and artifact types that coincided with the arrival of a new, biologically distinctive population. The Intermediate and Late periods have not been well-defined. However, many have proposed that the beginning of the Intermediate marked the arrival of Takic groups (from the Mojave Desert, southern Sierra Nevada and San Joaquin Valley) and that the Late Period reflected Shoshonean groups (from the Great Basin). Related cultural and biological changes occurred on the southern Channel Islands about 300 years later. [Sutton 2010].

The Del Rey Tradition replaces the Intermediate and Late designations for both the southern California mainland and the southern Channel Islands. Within the Del Rey Tradition are two regional patterns named Angeles and Island. The Del Rey Tradition represents the arrival, divergence, and development of the Gabrielino in southern California. [Sutton 2010]

PREHISTORIC CULTURES

The latest cultural revisions for the project area define traits for time phases of the Topanga pattern of the Encinitas Tradition applicable to coastal Los Angeles and Orange counties (Sutton and Gardner 2010; Table 3). This pattern is replaced in the project area by the Angeles pattern of the Del Rey Tradition later in time. Each pattern has subdivisions as identified by specific changes in cultural assemblages through time. Phases are identified by their archaeological signatures in components within sites.

Topanga Pattern groups were relatively small and highly mobile. Sites known are temporary campsites, not villages and tend to be along the coast in wetlands, bays, coastal plains, near coastal valleys, marine terraces and mountains. The Topanga toolkit is dominated by manos and metates with projectile points scarce. [Sutton and Gardner 2010:9]

In Topanga Phase I other typical characteristics were a few mortars and pestles, abundant core tools (scraper planes, choppers and hammerstones), relatively few large, leaf-shaped projectile points, coggled stones, and early discoidals (Table 2). Secondary inhumation under cairns was the common mortuary practice. In Orange County as many as 600 flexed burials were present at one site and dated 6, 435 radiocarbon years before present. [Sutton and Gardner 2010:9, 13]

In Topanga Phase II, flexed burials and secondary burial under cairns continued. Adoption of the mortar and pestle is a marker of this phase. Other typical artifacts include manos, mutates,

Table 3. Cultural Patterns and Phases

Phase	Dates BP	Material Culture	Other Traits
Topanga I	8,500 to 5,000	Abundant manos and metates, many core tools and scraper s, few but large points, charmstones, cogged stones, early discoidals, faunal remains rare	Shellfish and hunting important, secondary burials under metate cairns (some with long bones only), some extended inhumations, no cremations
Topanga II	5,000 to 3,500	Abundant but decreasing manos and metates, adoption of mortars and pestles, smaller points, cogged stones, late discoidals, fewer scraper planes and core tools, some stone balls and charmstones	Shellfish important, addition of acorns, reburial of long bones only, addition of flexed inhumations (some beneath metate cairns), cremations rare
Topanga III	3,500 to 1,300	Abundant but decreasing manos and metates, increasing use of mortars and pestles, wider variety of small projectile points, stone-lined ovens	Hunting and gathering important, flexed inhumations (some under rock cairns), cremations rare, possible subsistence focus on yucca/agave
Angeles IV	1,000 to 800	Cottonwood arrow points for arrows appear, <i>Olivella</i> cupped beads and <i>Mytilus</i> shell disks appear, some imported pottery appears, possible appearance of ceramic pipes	Changes in settlement pattern to fewer but larger permanent villages, flexed primary inhumations, cremations uncommon
Angeles V	800 to 450	Artifact abundance and size increases, steatite trade from islands increases, larger and more elaborate effigies	Development of mainland dialect of Gabrielino, settlement in open grasslands, exploitation of marine resources declined and use of small seeds increased, flexed primary inhumations, cremations uncommon
Angeles VI	450 to 150	Addition of locally made pottery, metal needle-drilled <i>Olivella</i> beads, addition of Euroamerican material culture (glass beads and metal tools)	Use of domesticated animals, flexed primary inhumations continue, some cremations

scrapers, core tools, discoidals, charmstones, cogged stones and an increase in the number of projectile points. In Orange County stabilization of sea level during this time period resulted in

increased use of estuary, near shore and local terrestrial food sources. [Sutton and Gardner 2010:14-16]

In Topanga Phase III, there was continuing abundance of mutates, manos, and core tools plus increasing amounts of mortars and pestles. More numerous and varied types of projectile points are observed along with the introduction of stone-line earthen ovens. Cooking features such as these were possibly used to bake yucca or agave. Both flexed and extended burials are known. [Sutton and Gardner 2010:17]

The Angeles pattern generally is restricted to the mainland and appears to have been less technologically conservative and more ecologically diverse, with a largely terrestrial focus and greater emphases on hunting and nearshore fishing. [Sutton 2010].

The Angeles IV phase is marked by new material items including Cottonwood points for arrows, Olivella cupped beads and Mytilus shell disks, birdstones (zoomorphic effigies with magico-religious properties) and trade items from the Southwest including pottery. It appears that populations increased and that there was a change in the settlement pattern to fewer but larger permanent villages. Presence and utility of steatite vessels may have impeded the diffusion of pottery into the Los Angeles Basin. The settlement pattern altered to one of fewer and larger permanent villages. Smaller special-purpose sites continued to be used. [Sutton 2010]

Angeles V components contain more and larger steatite artifacts, including larger vessels, more elaborate effigies, and comals. Settlement locations shifted from woodland to open grasslands. The exploitation of marine resources seems to have declined and use of small seeds increased. Many Gabrielino inhumations contained grave goods while cremations did not. [Sutton 2010]

The Angeles VI phase reflects the ethnographic mainland Gabrielino of the post-contact (i.e., post-A.D. 1542) period. One of the first changes in Gabrielino culture after contact was undoubtedly population loss due to disease, coupled with resulting social and political disruption. Angeles VI material culture is essentially Angeles V augmented by a number of Euroamerican tools and materials, including glass beads and metal tools such as knives and needles (used in bead manufacture). The frequency of Euroamerican material culture increased through time until it constituted the vast majority of materials used. Locally produced brownware pottery appears along with metal needle-drilled Olivella disk beads. The ethnographic mainland Gabrielino subsistence system was based primarily on terrestrial hunting and gathering, although nearshore fish and shellfish played important roles. Sea mammals, especially whales (likely from beached carcasses), were prized. In addition, a number of European plant and animal domesticates were obtained and exploited. Ethnographically, the mainland Gabrielino practiced interment and some cremation. [Sutton 2010]

ETHNOGRAPHY

Early Native American peoples of the project area are poorly understood. They were replaced about 3,500 years ago by Native Americans now known as the Gabrielino (Tongva). Later in time, other Native Americans now known as the Juaneño (Acjachemen), moved into southern Orange County and are likely to have also used the project area at some points in time. Material culture was very similar between these two groups but the Juaneño were known to produce Tizon brownware ceramics which might differentiate sites.

GABRIELINO TONGVA

The Gabrielino speak a language that is part of the Takic language family. Their territory encompassed a vast area stretching from Topanga Canyon in the northwest, to the base of Mount Wilson in the north, to San Bernardino in the east, Aliso Creek in the southeast and the Southern Channel Islands, in all an area of more than 2,500 square miles (Figure 5; Bean and Smith 1978; McCawley 1996). At European contact, the tribe consisted of more than 5,000 people living in various settlements throughout the area. Some of the villages could be quite large, housing up to 150 people.

The Gabrielino are considered to have been one of the wealthiest tribes and to have greatly influenced tribes they traded with (Kroeber 1976:621). Houses were domed, circular structures thatched with tule or similar materials (Bean and Smith 1978:542). The best known artifacts were made of steatite and were highly prized. Many common everyday items were decorated with inlaid shell or carvings reflecting an elaborately developed artisanship (Bean and Smith 1978:542).

The main food zones utilized were marine, woodland and grassland (Bean and Smith 1978). Plant foods were, by far, the greatest part of the traditional diet at contact. Acorns were the most important single food source. Villages were located near water sources necessary for the leaching of acorns, which was a daily occurrence. Grass seeds were the next most abundant plant food used along with chia. Seeds were parched, ground and cooked as mush in various combinations according to taste and availability. Greens and fruits were eaten raw or cooked or sometimes dried for storage. Bulbs, roots and tubers were dug in the spring and summer and usually eaten fresh. Mushrooms and tree fungus were prized as delicacies. Various teas were made from flowers, fruits, stems and roots for medicinal cures as well as beverages. [Bean and Smith 1978:538-540]

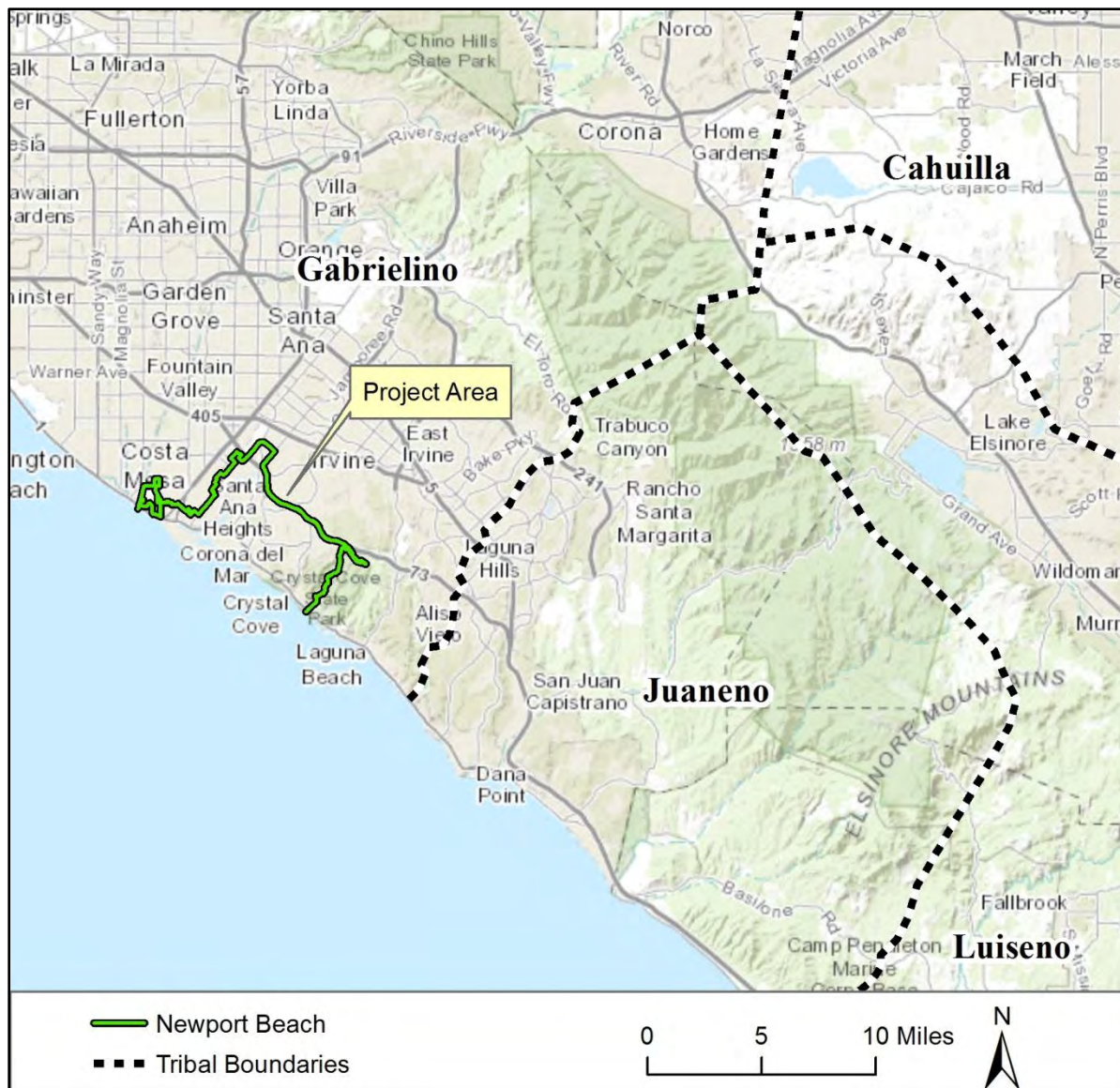


Figure 5. Native American traditional tribal territories

The principal game animals were deer; rabbit; jackrabbit; woodrat; mice; ground squirrels; antelope; quail; dove; ducks and other birds. Most predators were avoided as food, as were tree squirrels and most reptiles. Trout and other fish were caught in the streams, while salmon were available when they ran in the larger creeks. Marine foods were extensively utilized. Sea mammals, fish and crustaceans were hunted and gathered from both the shoreline and the open ocean, using reed and dugout canoes. Shellfish were the most common resource, including abalone; turban; mussels; clams; scallops; bubble shells and others. [Bean and Smith 1978:538-540]

The village of *Kengaa* is located within the City (Figure 6). Records from Mission San Juan Capistrano indicate it may have been occupied as late as 1830 (McCawley 1996). Multiple prehistoric archaeological sites are known within the project area (see Record Search section).



Figure 6. Gabrielino/Tongva Villages

HISTORICAL SETTING

Juan Cabrillo was the first European to sail along the coast of California in 1542 and was followed in 1602 by Sebastian Vizcaino (Bean and Rawls 1993). Between 1769 and 1822 the Spanish had colonized California and established missions, presidios and pueblos (Bean and Rawls 1993).

In 1821 Mexico won its independence from Spain and worked to lessen the wealth and power held by the missions. The Secularization Act was passed in 1833, giving the vast mission lands to the Mexican governor and downgrading the missions' status to that of parish churches. The governor then redistributed the former mission lands, in the form of grants, to private owners. Ranchos in California numbered over 500 by 1846, all but approximately 30 of which resulted from land grants (Bean and Rawls 1993; Robinson 1948).

California was granted statehood in 1850 and although the United States promised to honor the land grants, the process of defining rancho boundaries and proving legal ownership became time consuming and expensive. Legal debts led to bankruptcies and the rise in prices of beef, hide and tallow. This combined with flooding and drought was detrimental to the cattle industry. Ranchos were divided up and sold inexpensively (Hampson 1993).

Portions of Newport Beach lie within the boundaries of Rancho San Joaquín and Rancho Santiago de Santa Ana (Figure 7). The Rancho San Joaquín land grant was a combination of the Rancho Cienega de las Ranas and the Ranch La Bolsa de San Joaquín. This land grant was issued to José Andres Sepúlveda in 1837 and 1842.

The Rancho Santiago de Santa Ana was given to Jose Anonio Yorba and his nephew Pablo Peralta in 1810 by Governor José Joaquin de Arrillaga on behalf of the Spanish Government. In 1883 the land grant was patented to Bernardo Teodoro and Ramon Yorba. In 1854 the Yorba family sold the Rancho to José Andres Sepúlveda.

In 1864 Sepúlveda sold his lands to Benjamin and Thomas Flint, Llewellyn Bixby and James Irvine. In 1876, James Irvine bought out his partners in Flint, Bixby and Co. and became the sole owner of the Irvine Ranch. It continued to be largely a ranching operation for many years.

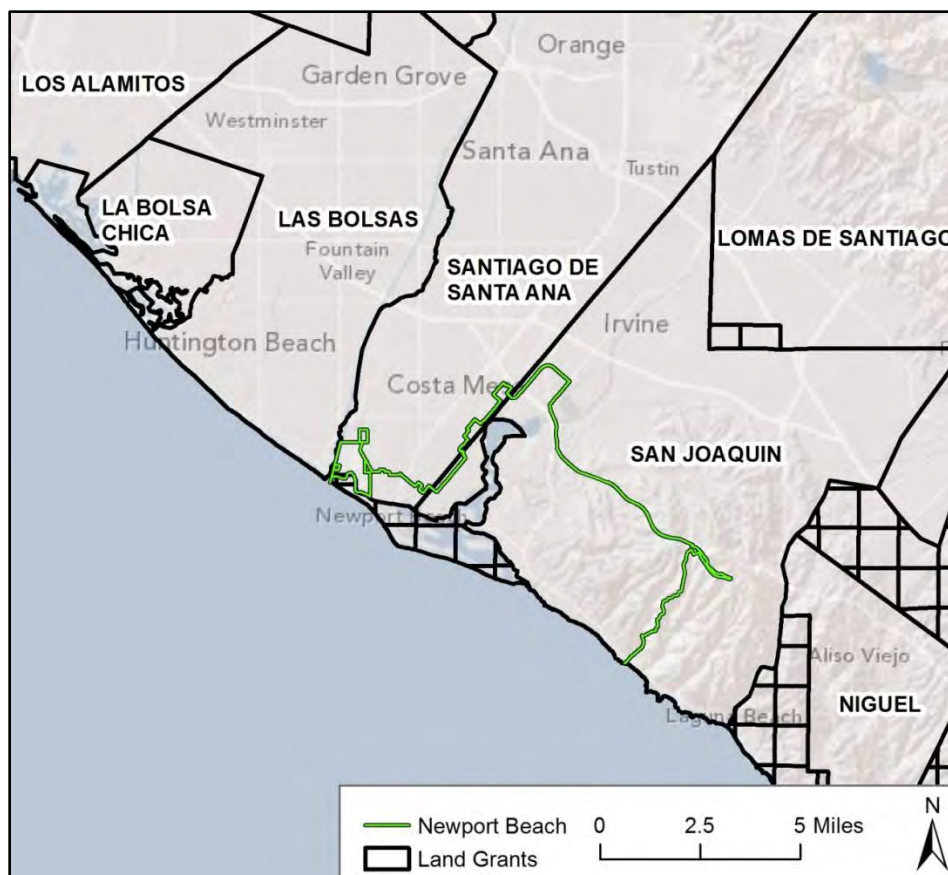


Figure 7. Land grant map

PROJECT AREA HISTORY

James Irvine and James McFadden played pivotal roles in the history of Newport Beach. Irvine was the largest landholder in the region and was interested in identifying the most lucrative agricultural uses for the enormous tract of land. When Irvine died in 1886, James II took control of the ranch and increased its agricultural production. In 1894 James Irvine II incorporated the land holdings as the Irvine Company. McFadden joined by his brother, Robert, sought to buy as much land as possible to sell to as many who would buy with an end goal of increasing Newport's population to help it emerge as an important commercial center (Gray 2003). After the civil war, the number of settlers did increase significantly and a small settlement in the Newport area was established.

In 1870, a flat-bottomed steamer, *Vaquero*, was successfully guided into Newport Bay. A landing was established for offloading supplies from boats and the place was officially named Newport. In 1875 the McFadden brothers acquired the landing and operated a commercial trade and shipping business. Navigation was difficult in the shallow waters and in 1888 the McFadden brothers moved the shipping business from the inner shores of the bay to the oceanfront where it was connected by rail to Santa Ana (Gray 2003). They built McFadden's Wharf at the location where the Newport Pier is today (Figure 8). McFadden Wharf became the largest business in Orange County. Its success ended in 1899 when the Federal Government allocated funds to a harbor at San Pedro which became Southern California's major seaport. There were only a few residents of Newport until the turn-of-the-century when the railroad and Red Cars made Newport a beach destination.

Large-scale residential development was organized by William Collins, Henry Huntington, and C.L. Landcaster who operated under firms like the Newport Beach Company, Newport Bay Dredging Company, and the Orange County Improvement Association. The communities of West Newport, East Newport, Bay Island and Balboa were laid out. In 1906, these communities with a combined total population of 205 were incorporated as the City of Newport Beach. The reclamation of lower Newport Bay, a large-scale municipal project of the 1930s, gave the City its present contours. Fishing and canning were the major industry until World War II when Newport became an important center for repairing and refurbishing Navy vessels. The building of the Santa Ana freeway in the 1950s opened Newport and other areas of Orange County up for permanent residents, rather than just summer beach goers.

In 1953, the National Scout Jamboree was held on Irvine Ranch land in the modern day location of the Fashion Island Shopping Center. Jamboree Road was built to allow people to travel to the jamboree from nearby train stations. The 1970s saw explosive growth and the development of Newport as a prestige address for residents and businesses.



Figure 8.
McFadden's
Wharf in 1901

LITERATURE REVIEW AND RECORD SEARCHES

PALEONTOLOGY

A record search was conducted by staff of the Natural History Museum of Los Angeles County (LACM). The search determined that there are vertebrate fossil localities within the City boundaries from most of the sedimentary deposits mapped at the surface. There are also fossils known from the same sediments nearby (McLeod 2013).

Most of the fossils were collected from the older Quaternary deposits (late to middle Pleistocene old paralic deposits; middle to early Pleistocene very old axial channel deposits and very old paralic deposits) mapped within the City boundaries. In the far western portion of the City, only one specimen of fossil horse (*Equus*) has been recovered from the older Quaternary deposits. However, in nearby Costa Mesa there is one locality that produced a fossil elephant (Proboscidea) specimen and a second locality had specimens of turtle (Testudinata) and camel (Camelidae) (McLeod 2013). Older Quaternary sediments on the eastside of Newport Bay have produced a large array of significant paleontological resources. Fossil specimens belonging to 111 taxa of mammals, sharks, rays, fish, amphibians, reptiles and birds, including fossils belonging to 17 extinct taxa, have been recovered from the 15 fossil localities recorded in this area (Table 4; McLeod 2013).

There are nine localities recorded from areas mapped as the Pliocene Niguel Formation. Twenty taxa of mammals, sharks, fish, and birds were represented by fossil specimens, six of which are extinct taxa (Table 5: McLeod 2013). The Capistrano Formation within the City boundaries has a total of six localities. Specimens included a fossil sperm whale (Physeteridae), white shark (*Carcharodon*), and undetermined specimens of bony fish, birds, and mammals. LACM has four localities from the Miocene Monterey Formation. This marine formation has produced specimens of baleen whale (Mysticeti), mackerel (Scombridae), bony fish (Osteichthyes), and undetermined marine mammals (McLeod 2013).

No fossils have been collected within the City boundaries in the Miocene Topanga Group (which includes the Paulerino, Los Trancos, and Bommer Formations) or the Eocene to Miocene Vaqueros Formation. LACM does have localities nearby in these formations, however. Fossils from the Topanga Formation include sea cows (*Dioplotherium allisoni*; Dugongidae) and the extinct marine mammal, Desmostylia (*Desmostylus*). Specimens of eagle ray (*Myliobatis*), requiem shark (Carcharhinus), Desmostylia, sea cow (Dugongidae), toothed whales (Squalodontidae; Plantanistidae: *Argyroctetus*), and baleen whales (Eomysticetidae; Cetotheriidae) have been collected from nearby Vaqueros Formation outcrops (McLeod 2013).

There have been no fossils recovered from the younger Quaternary deposits (Holocene very young wash deposits, very young landslide deposits, very young eolian deposits, very young marine deposits, and very young estuarine deposits; Holocene and late Pleistocene young alluvial-fan deposits, young axial-channel deposits, young landslide deposits), Miocene San Onofre Breccia or the intrusive igneous rock. Younger Quaternary deposits are too young at the surface to contain fossils; however, they are likely to be underlain by paleontologically sensitive older Quaternary deposits. The San Onofre Breccia is too coarse-grained in nature to be considered paleontologically sensitive. Igneous rocks are also not considered sensitive for fossil resources (McLeod 2013).

TABLE 4. LACM FOSSILS FROM QUATERNARY DEPOSITS IN THE NEWPORT BAY AREA

Group	Common Name	Taxon
Mammals	pronghorn	<i>Antilocapra americana</i>
	ancient bison	† <i>Bison antiquus</i>
	giant bison	† <i>Bison latifrons</i>
	extinct western camel	† <i>Camelops hesternus</i>
	American llama	† <i>Tanupolama stevensi</i>
	mule deer	<i>Odocoileus hemionus</i>
	dire wolf	† <i>Canis dirus</i>
	sea otter	<i>Enhydra lutris</i>
	spotted skunk	<i>Spilogale</i>
	fur seal	<i>Archtocephalus</i>

Group	Common Name	Taxon
	sea lion	Eumetopias
	sea lion	Zalophus
	northern elephant seal	Mirounga angustirostris
	rorqual whale	Balaenoptera
	dolphin	Lagenorhynchus
	pallid bat	Antrozous pallidus
	desert shrew	Notiosorex crawfordi
	ornate shrew	Sorex ornatus
	desert cottontail	Sylvilagus audubonii
	brush rabbit	Sylvilagus bachmani
	western horse	†Equus occidentalis
	California tapir	†Tapirus californicus
	Merriam's tapir	†Tapirus merriami
	mammoth	†Mammuthus
	mastodon	†Mammut
	California vole	Microtus californicus
	dusky-footed woodrat	Neotoma fuscipes
	canyon mouse	Peromyscus crinitus
	deer mouse	Peromyscus maniculatus
	western harvest mouse	Reithrodontomys megalotis
	Botta's pocket gopher	Thomomys bottae
	agile kangaroo rat	Dipodomys agilis
	California pocket mouse	Perognathus californicus
	California ground squirrel	Spermophilus beecheyi
	giant ground sloth	†Megalonyx
	Shasta ground sloth	†Nothrotheriops shastensis
	Harlan's ground sloth	†Paramylodon
Sharks and rays	dusky shark	Charcharhinus obscurus
	tiger shark	Galeocerdo
	Pacific shark	Galeorhinus zyopterus
	lemon shark	Negaprion
	blue shark	Prionace
	scalloped hammerhead	Sphyrna lewini
	smooth hammerhead	Sphyrna zygaena
	leopard shark	Triakis semifasciata
	spotted ratfish	Hydrolagus colliei
	horn shark	Heterodontus francisci
	cow shark	Hexanchus
	common thresher	Alopias vulpinus
	sand shark	Carcharias

Group	Common Name	Taxon
	basking shark	Cetorhinus maximus
	megalodon	†Carcharocles megalodon
	great white shark	Carcharodon carcharias
	mackerel shark	†Carcharodon sulcidens
	common blue-grey shark	Isurus glaucus
	shortfin mako shark	Isurus oxyrinchus
	salmon shark	Lamna ditropis
	bat ray	Myliobatis californicus
	round stingray	Urolophus
	bramble shark	Echinorhinus
	knifetooth dogfish	Scymnodon ringens
	spiny dogfish	Squalus acanthias
	Pacific angelshark	Squantina californica
Fish	snake eel	Ophichthus
	specklefin midshipman	Porichthys myriaster
	basketweave cusk-eel	Otophidium scrippsi
	spotted cusk-eel	Otophidium taylori
	billfish	Istiophoridae
	California sheephead	Pimelometopon pulchrum
	white seabass	Cynoscion nobilis
	white croaker	Genyonemus lineatus
	queenfish	Seriphus politus
	giant sea bass	Stereolepis gigas
	porgies	Sparidae
	sanddab	Paralichthys
	English sole	Parophrys vetulus
Pacific staghorn sculpin	Leptocottus armatus	
Amphibians	western toad	Bufo boreas
	Pacific tree frog	Hyla regilla
	northern red-legged frog	Rana aurora
	arboreal salamander	Aneides lugubris
Reptiles	racer snake	Coluber
	common kingsnake	Lampropeltis getulus
	whip snake	Masticophis flagellum
	garter snake	Thamnophis
	western rattlesnake	Crotalus viridus
	green sea turtle	Chelonia mydas
	tortoise	Testudinidae
Birds	hawk	Accipiter
	sea eagle	Haliaeetus

Group	Common Name	Taxon
	greater white-fronted goose	Anser albifrons
	lesser scaup	Aythya affinis
	Canada goose	Branta canadensis
	sea duck	†Chendytes lawi
	white-winged scoter	Melanitta deglandi
	gull	Larus
	western willet	Catoptrophorus inornatus
	jaeger	Stercorarius
	quail	Lophortyx
	black-throated loon	Gavia arctica
	great northern loon	Gavia immer
	red-throated loon	Gavia stellata
	crow	Corvus
	blackbird	Agelaius
	Brandt's cormorant	Phalacrocorax penicillatus
	Del Rey gannet	†Morus reyana
	western grebe	Aechmophorus occidentalis
	short-tailed albatross	Diomedea albatrus
	northern fulmar	Fulmarus glacialis
	sooty shearwater	Puffinus griseus
	black-vented shearwater	Puffinus opisthomelas

† = indicates that the animal is extinct

TABLE 5. LACM FOSSILS FROM THE NIGUEL FORMATION IN THE NEWPORT BAY AREA

Group	Common Name	Taxon
Mammals	extinct llama	† <i>Tanupolama</i>
	sea lion	Otariidae
	broad-footed mole	Scapanus latimanus
	horse	† <i>Equus</i> sp.
	pocket mouse	Perognathus
Sharks	chimaera	Chimaeroidei
	bigeye thresher	<i>Alopias superciliosus</i>
	megatoothed shark	† <i>Carcharocles</i>
	great white shark	<i>Carcharodon carcharias</i>
	mackerel shark	† <i>Carcharodon sulcidens</i>
	shortfin mako shark	<i>Isurus oxyrinchus</i>
	spiny dogfish	<i>Squalus acanthias</i>
	North Pacific hake	<i>Merluccius productus</i>

Group	Common Name	Taxon
	mora cod	Moridae
Fish	croaker	Seriphus
	sculpin	Cottidae
	rockfish	Sebastes
Birds	Lucas auk	†Mancalla californiensis
	turkey	Meleagris
	extinct shearwater	†Puffinus felthami

† = indicates that the animal is extinct

ARCHAEOLOGY AND HISTORY

A search for archaeological and historical records was completed at the South Central Coastal Information Center (SCCIC) of California State University, Fullerton (CSUF) on October 15th, 2013 by Holly Duke and Sarah Sederholm. The records search covered the entire 33,920 acre Project study area.

The cultural resources records and literature search completed at the SCCIC indicate that 352 cultural resources studies have been completed previously within the City (Appendix C).

The results of these studies indicate there are 318 known cultural resources within the APE (Appendix D). Of these 313 resources, 265 are prehistoric sites, five are historic sites, six are multicomponent sites, nine are prehistoric isolates, one is a historic isolates, and 27 are historical architectural resources. Fifteen of the previously recorded architectural resources are listed in the Historical Resources Inventory.

Within the Project subareas, the record search results found that 23 cultural resources studies have previously been conducted and 16 cultural resources have been recorded (Table 6, Appendix E). The cultural resources include; 15 prehistoric sites which consist of shell middens with varying artifacts and one historic built environment, the National Boy Scout Jamboree which is a California Points of Historical Interest.

OTHER SOURCES

In addition to the records at the SCCIC, a variety of other sources were consulted by Sarah Sederholm in October 2013 to obtain additional cultural resources information regarding the Project study area (Table 6). Sources include the National Register of Historical Places (NRHP), California Register of Historic Resources (CRHR), California Historical Resources Inventory (CHRI), California Historical Landmarks (CHL), and California Points of Historical Interest (CPHI).

TABLE 6. PREVIOUSLY RECORDED CULTURAL RESOURCES WITHIN THE SUBAREAS

Primary No. (P-30-)	Trinomial (CA-ORA-)	Date Recorded	Site Description	NRHP/CRHR Status	HRI Number	Quad
68	68	1966	Prehistoric site with shell midden			Newport Beach
69	69	1949	Possible prehistoric camp site			Newport Beach
138	138	1965	Prehistoric site with shell midden and flakes			Laguna Beach
139	139	1965	Prehistoric site with shell midden and flakes			Laguna Beach
140	140	1965	Prehistoric site with shell midden and flaked knife			Newport Beach
141	141	1965	Prehistoric site with shell midden			Newport Beach
157	157	1966	Prehistoric site with shell midden and some chert debitage			Newport Beach
158	158	1966	Prehistoric site with small amounts of shell and some ground stone			Newport Beach
159	159	1966	Prehistoric site with small amounts of shell and some flaked artifacts			Newport Beach
167	167	1966	Prehistoric site with shell midden and various artifacts			Laguna Beach
665	665	1977	Prehistoric site with lithic artifacts and shell			Laguna Beach
673	673	1977	Prehistoric site with shell midden and lithics			Laguna Beach
797	797	1979	Prehistoric site with shell and other artifacts			Laguna Beach
1112	1112	1986	Prehistoric site with artifacts and some shell			Laguna Beach
1120	1120	1988	Prehistoric site with shell and artifacts			Tustin
162284		1977	National Boy Scout Jamboree	7L	90893	Newport Beach

Eight of the previously recorded archaeological resources are listed in the NRHP (Status code 1S & 1CL), two sites are determined eligible for listing in the NRHP or CRHR (2CS & 2D2), and one site appears eligible for the NRHP or CRHR through a survey evaluation (3CD) (Tables 7 and 8). Four sites are listed as a CHL and one site is listed as a CPHI.

TABLE 7. ADDITIONAL SOURCES CONSULTED

Source	Results
National Register of Historic Places (NRHP; 1979-2002 & supplements)	Positive; 8 resources are listed, 2 are determined eligible, 1 appears eligible through a survey evaluation
Historical United States Geological Survey topographic maps	Positive
Historical United States Department of Agriculture aerial photos	Aerials as early as 1938 show agricultural fields and some major roads within some of the Project area. Aerials as early as 1953 show buildings within portions of the Project area.
California Register of Historical Resources (CRHR; 1992-2010)	None
California Historical Resources Inventory (HRI; 1976-2010)	Positive; 15 resources have been evaluated.
California Historical Landmarks (CHL; 1995 & supplements to 2010)	Positive; 4 resources are listed
California Points of Historical Interest (CPHI; 1992 to 2010)	Positive; 1 resource is listed
Bureau of Land Management General Land Office Records	Multiple landowners (Appendix F)

TABLE 8. HISTORICAL RESOURCES WITHIN THE CITY OF NEWPORT BEACH

Resource	HRI	NRHP	CHL	CPHI
4302 Ford Rd. Newport Beach, CA	180694	6Y		
323 Marine Ave. Newport Beach, CA; Balboa Island Fire House #4	127237	2CS		
Crystal Cove Historic District	37154	1S		
Lovell Beach House: 1289 W. Ocean Front Newport Beach	37951	1S		
The Balboa Pavilion 400 Main Street Balboa, CA	37954	1S	X	
Balboa Inn 105 Main Street Newport Beach, CA	37956	1S		
Bank of Balboa/ Bank of America 611 E. Balboa Blvd. Newport Beach, CA	37957	1S		
First water to water site	89426	1CL	X	
McFadden Wharf	89426	1CL	X	
Old Landing	89604	7L	X	
National Boy Scout Jamboree	90893	7L		X
Crystal Cove bridge 1402 Coast Highway	94718	2D2		
1441 West Balboa Boulevard Newport Beach CA 92661 Our Lady Mount Carmel	132140	6Y		
Wild Goose Yacht: 2431 West Coast Hwy., Newport Beach	179477	1S		
2300 Newport Blvd. Newport Beach 92663 Commercial buildings (Southcoast Shipyard)		3CD		

NATIVE AMERICAN CONSULTATION

CEQA consultation was conducted by Cogstone. The City is required to separately consult with tribes under SB 18 for this update. A Sacred Lands File search was requested from the Native American Heritage Commission (NAHC) on October 9, 2013. On October 14, the NAHC replied that there are no known Native American cultural resources within the subareas but there are Native American sacred places, sites in close proximity to them. The NAHC did recommend that 14 Native American tribes or individuals be contacted that may have additional knowledge of the religious and cultural significance of historic properties within or immediately adjacent to the Project study area for further information (Appendix G).

Letters requesting information on any heritage sites and containing maps and study information were sent by post on October 31, 2013 to the 14 Native American contacts (Appendix G). A second attempt at consultation was made on November 26, 2013.

Ms. Rebecca Robles of the United Coalition to Protect Panhe responded by email on November 24, 2013. Ms. Robles considers any area of ground that has not been disturbed to be culturally sensitive. She requests that in these cases the appropriate archaeological investigation be implemented. She also requests to be kept informed of the project. Ms. Joyce Perry of the Juaneno Band of Mission Indians Acjachemen Nation responded by phone on December 10, 2013. Ms. Perry stated that she does not oppose the land use amendment but does want to be notified of proposed projects for the increased development areas.

IMPACT ANALYSIS AND MITIGATION

IMPACTS

Unknown paleontological and archaeological resources may be present in areas that are both developed and undeveloped. Mitigation Measure PC-1 shall be implemented to protect these inadvertent discoveries.

Known paleontological resources that meet significance criteria may be impacted by all proposed new projects with the exception of 813 East Balboa Boulevard (area 2) and Gateway Park (area 11) (Figure 9). Mitigation Measure PC-2 shall be implemented to protect these resources.

Known prehistoric cultural resources that are potentially eligible for the California Register may be impacted by proposed new projects at Newport Center/Fashion Island (area 5), Newport Coast Center (area 6), Newport Coast Hotel (area 7), Bayside Center (area 8), The Bluffs (area 10), Newport Ridge (area 15) and Promontory Point (area 16). A confidential map has been provided

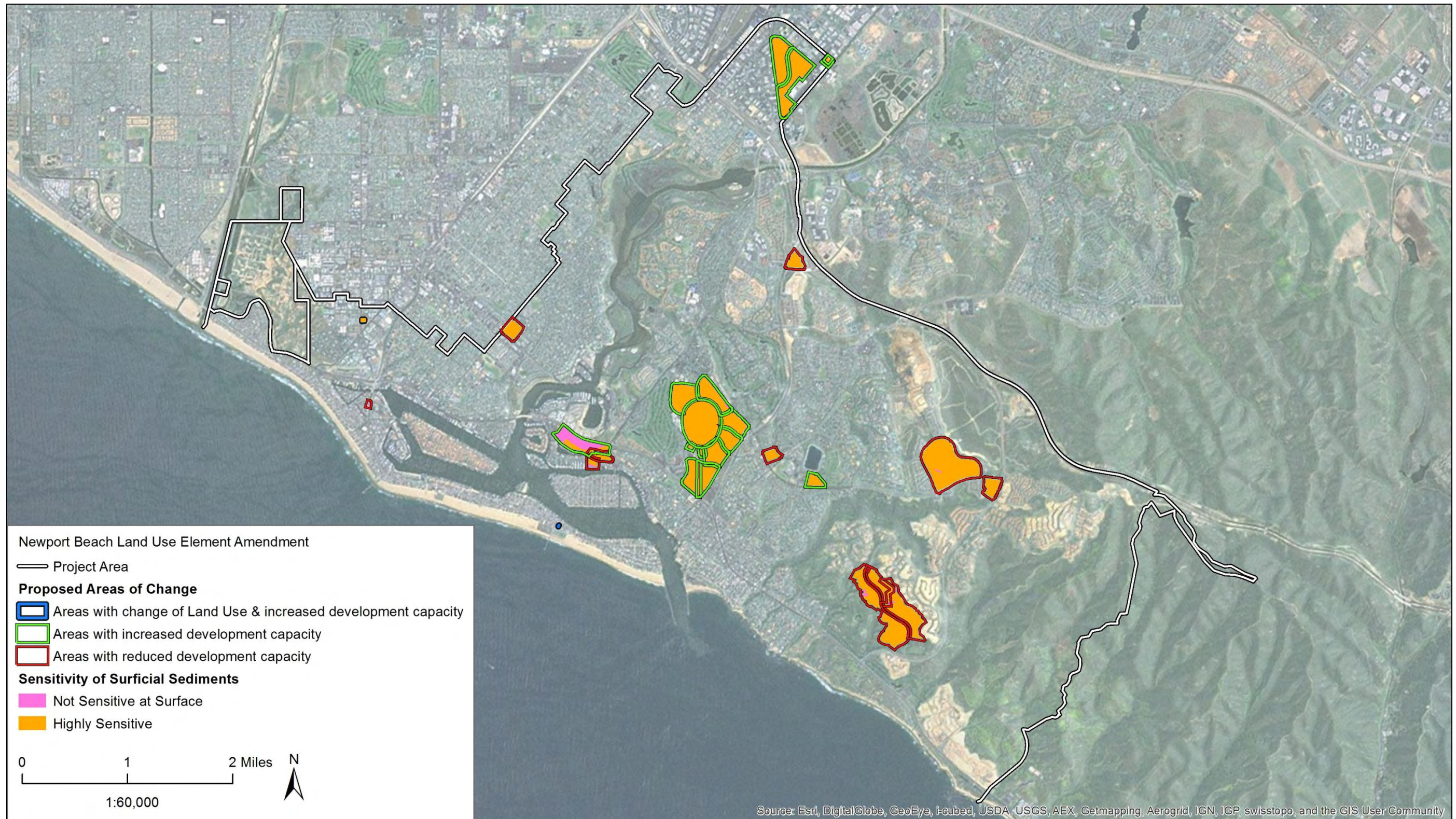


Figure 9. Paleontological Sensitivity

to the City to assist with appropriate planning efforts. Mitigation Measure PC-3 shall be implemented for new projects in these areas.

Changes to, or removal, of buildings over 45 years of age in all areas of the City may result in loss of buildings eligible for the California Register. Mitigation Measure PC-4 shall be implemented to evaluate buildings on a project by project basis.

MITIGATION MEASURES

MM PC-1. The City shall have a standard condition in every grading and excavation permit which requires applicants to halt work upon discovery of any unanticipated buried resources such as fossils, cultural deposits or human burials until it can be evaluated by qualified professionals. Work may resume immediately at least 50 feet away from the discovery. In the event of identification of human remains, state law requires immediate notification to the County Coroner and adequate protection of the remains. No work may resume in that area until it is evaluated by the Coroner which may take up to 48 hours.

MM PC-2. The City shall have a standard condition in every grading and excavation permit which requires applicants for proposed projects with impacts to paleontologically sensitive formations and/or known fossil localities to retain a qualified paleontologist to provide a project paleontological resources mitigation plan and implement that plan. An executed curation agreement shall be part of the plan and the project proponent shall bear all expenses of the mitigation program including curation of materials meeting significance criteria.

MM PC-3. The City shall have a standard condition in every grading and excavation permit which requires applicants for proposed projects with impacts to known cultural resources to retain a qualified archaeologist to provide a project cultural resources mitigation plan and implement that plan. An executed curation agreement shall be part of the plan and the project proponent shall bear all expenses of the mitigation program including curation of materials meeting significance criteria.

MM PC-4. The City shall require applicants for future proposed projects with intact extant building(s) or other aspects of the built environment more than 45 years old to provide a historic resource technical study evaluating the significance and data potential of the resource. All work must be performed by a qualified architectural historian meeting Secretary of the Interior Standards.

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APPENDIX A: QUALIFICATIONS

**SHERRI GUST**Project Manager & Principal Investigator, Paleontology and Archaeology**EDUCATION**

1994 M. S., Anatomy (Evolutionary Morphology), University of Southern California, Los Angeles
 1979 B. S., Anthropology (Physical), University of California, Davis

SUMMARY QUALIFICATIONS

Ms. Gust is an Orange County Certified Professional Paleontologist and Archaeologist and a Registered Professional Archaeologist with more than 34 years of experience in cultural resources management. She is accepted as a principal investigator for both prehistoric and historical archaeology by the State Office of Historic Preservation's Information Centers and exceeds the qualifications required by the Secretary of the Interior's *Standards and Guidelines for Archaeology and Historic Preservation*. She has managed more than 650 projects at Cogstone and has a reputation for professional work, regulatory compliance and client satisfaction.

SELECTED PROJECTS

Historic Town Center Master Plan Update EIR, San Juan Capistrano, CA. Conducted a survey and assessment to determine the potential effects on cultural resources of potential changes to the Historic Town Center Master Plan area in support of a project-level EIR. Supervised archaeological and paleontological record searches, research, and survey plus Native American consultation for the 31-acre town center. Evaluated resources, including updated site records and impact assessment. Sub to the Templeton Planning Group. Principal Archaeologist and Paleontologist. 2011

Ortega Ranch Development Project, San Juan Capistrano, Orange County, CA. Scientifically significant specimens of late Pleistocene mammoth were recovered by paleontological salvage at Ortega Ranch. Portions of three molars of a mammoth were recovered from approximately 80 centimeters below topsoil. Subcontractor to Ecorp Consulting. Principal Paleontologist. 2006

Shea Baker Ranch EIR, Lake Forest, Orange County, CA. Prepared an Archaeological and Paleontological Programmatic Assessment Report to update existing mitigation measures for a 387-acre residential and mixed-use community development project under subcontract to The Planning Center. Principal Investigator. 2011

Irvine Business Complex, Planning Area 36, Irvine, Orange County, CA. Determined the potential effects on paleontological, archaeological and historical resources of planned development of the 2,800-acre Irvine Business Complex which comprises Planning Area 36. Prepared a Paleontological and Archaeological Evaluation Report. This study was requested by the City of Irvine to meet their responsibilities as the lead agency under California Environmental Quality Act under subcontract to The Planning Center. Principal Investigator. 2008

Los Alamitos General Plan Update, City of Los Alamitos, Orange County, CA. Conducted a paleontological and cultural resources technical study to support an update of the General Plan environmental documents. Subcontractor to The Planning Center. 2011

Interstate 5 HOV Lane Extension, Caltrans District 12, San Juan Capistrano, Dana Point, and San Clemente, Orange County, CA. Provided a Paleontological Mitigation Plan (PMP) and an updated evaluation under subcontract to ECORP Consulting. Principal Paleontologist. 2012

Interstate 5/Ortega Highway Interchange, Caltrans District 12, San Juan Capistrano, Orange County, CA. Performed paleontological record searches and review of literature. Consulted as-builts to prepare paleontological mitigation plan for Caltrans District 12 and the FHWA under subcontract to ECORP Consulting. Principal Paleontologist. 2006

MOLLY VALASIKQualified Archaeologist/ Cross-Trained Paleontologist**EDUCATION**

- 2009 M.A., Anthropology, Kent State University, Kent, Ohio
 2006 B.A., Anthropology, Ohio State University, Columbus, Ohio

SUMMARY QUALIFICATIONS

Valasik is a qualified archaeologist with both professional and academic archaeological field and research experience. She is GIS proficient and currently supervises digitizing and mapping at Cogstone with the use of advanced Trimble software. She has completed more than eight hours of paleontological field training and logged one year's experience as a dual monitor for Cogstone.

SELECTED PROJECTS

Tehachapi Renewable Transmission Project. Archaeology/paleontology monitor, GIS specialist. Performed monitoring, survey and other duties as needed for installation of new electrical facilities in Los Angeles and Kern Counties. Participated in creating GIS layers for TRTP Segments 4-11 paleontological management plan. 2009

High Speed Rail Project. Paleontology field technician, GIS specialist. Performed pedestrian survey of roughly 59 miles, recorded survey area with Trimble GeoXH, produced weekly updates, and geo-referenced Dibley maps (geology formations). 2009

Wildrose Road, Death Valley National Monument. Archaeological field technician and GIS specialist. Assessment of construction activities on potential resources in Inyo County, requested by National Park Service. Performed five mile pedestrian survey identified previously recorded sites, recorded new site information with Trimble GeoXH. 2009

State Route 178 Widening Project. Archaeology field technician, GIS specialist. Caltrans District 8 highway project in San Bernardino County. Performed four-day archaeological pedestrian survey and relocated six archaeological sites. 2009

Blessed Teresa of Calcutta Church Project. Archaeology/paleontology field technician. Construction project in Riverside County. Phase II test excavation units of prehistoric milling area, extensive pedestrian survey, and recorded spatial information with Trimble GeoXH to document prehistoric features present. 2009

Telecom Survey. (extension of Tehachapi Renewable Transmission Project). Archaeological field technician. Documented archaeological sites, gathered GIS information, and produced maps for additional archaeological survey. Digitized and recorded sites and survey areas. 2009

Körös Regional Archaeological Project, Hungary. Field and Laboratory Assistant with Ohio State University and Kent State University. Worked with a team to excavate and process artifacts from an Early Copper Age settlement in Hungary. Participated in archaeological surveys of other possible Early Copper Age sites in the region. 2006



COURTNEY RICHARDS
Paleontologist and Assistant Field Director

EDUCATION

2011 M.S., Biological Sciences, Marshall University
 2006 B.S., Earth and Space Science, University of Washington

SUMMARY QUALIFICATIONS

Richards is a qualified paleontologist with research, field, and laboratory experience. She earned her Bachelor's degree in Earth and Space Science at the University of Washington and her Master's degree in Biological Sciences with a paleontology focus at Marshall University. Richards has published papers on dinosaur and marine reptile paleontology research. Richards has personal expertise in fossil salvage, stratigraphy, fossil preparation, database analysis and identification. She has two years of professional experience in California.

SELECTED PROJECTS

Merced Freeway Project, Caltrans District 10. Assistant Field Director. Conducted and supervised paleontological monitoring, fossil recovery, fossil preparation, and prepared portions of the monitoring compliance report for the 5 mile long State Route 99 expansion project south of Merced. 2012

Los Angeles International Airport (LAX) Northside Plan Update. Paleontology Technician. Performed a pedestrian survey and co-authored the subsequent paleontological resources assessment used to update regulations for future development within the Northside area of the LAX Specific Plan. 2012

State Route 91 Project. Paleontology Technician. Performed paleontological monitoring of sensitive sediments during HOV lane construction along a 6 mile segment of SR-91 in Riverside County. 2011-12

East San Fernando Valley Transit Corridor. Paleontology Technician. Conducted a paleontological survey and co-authored paleontological assessment and existing condition reports for a Metro project located in the cities of Los Angeles and San Fernando. 2011-present

Westside Exploratory Test Shaft. Paleontology Technician. Provided paleontological monitoring during drilling of test shafts for a subway project located in the La Brea Zone. Used a Trimble unit to map tar seeps within a 1 mile radius of the project area. 2012-present

Rancho Malibu Hotel Project. Paleontology Technician. Conducted a pedestrian survey and co-authored the subsequent paleontological assessment report for a 28 acre hotel construction project in Malibu. 2012

MTC Express Lanes, Alameda, Contra Costa, and Santa Clara Counties. Report Contributor. Prepared portions of a Paleontological Identification Report for a 2472 acre HOV lane to toll lane conversion project along portions of Interstates 580, 680, and 880 in Alameda, Contra Costa, and Santa Clara Counties. 2012-present

Pioneer High School Project. Report Contributor. Prepared paleontology and geology sections of a combined archaeological and paleontological resources assessment report for a stadium improvement project at Pioneer High School in Whittier, Los Angeles County. 2013.

Caltrans Fossil Sensitivity Mapping for Central California. Paleontology Technician. Performed geology research for an extensive project to map paleontological sensitivity characteristics for over 3000 miles of proposed construction activities along major freeways in 15 Counties. 2011-2012

APPENDIX B: PALEONTOLOGY RECORDS SEARCH



Natural History Museum
of Los Angeles County
900 Exposition Boulevard
Los Angeles, CA 90007

tel 213.763.DINO
www.nhm.org

Vertebrate Paleontology Section
Telephone: (213) 763-3325
Fax: (213) 746-7431
e-mail: smcleod@nhm.org

27 November 2013

Cogstone Resource Management, Inc.
1518 Taft Avenue
Orange, CA 92865-4157

Attn: Sherri Gust

re: Vertebrate Paleontology Records Check for paleontological resources for the proposed
Newport Beach Land Use Element Amendment Project, Cogstone Project # 2739,
in the City of Newport Beach, Orange County, project area

Dear Sherri:

I have conducted a thorough search of our paleontology collection records for the locality and specimen data for the proposed Newport Beach Land Use Element Amendment Project, Cogstone Project # 2739, in the City of Newport Beach, Orange County, project area as outlined on the portions of the Newport Beach, Tustin, and Laguna Beach USGS topographic quadrangle maps that Molly Valasik sent to me via e-mail on 9 October 2013. We have vertebrate fossil localities that lie directly within the proposed project boundaries from most of the sedimentary deposits that occur there, and we have additional localities nearby from the same deposits.

In the far western portion of the proposed project area, west of the Costa Mesa bluffs, the surface deposits consist of younger Quaternary Alluvium, derived primarily as fluvial deposits from the Santa Ana River that forms the western border of this portion of the proposed project area, but with active beach sand deposits on the southwestern side of the Pacific Coast Highway (Highway 1). Similar surface deposits are found in all the drainages, particularly those associated with the San Diego Creek and Bonita Creek leading into Upper Newport Bay in the central north portion of the proposed project area. Much of the elevated terrain around Newport Bay in the northwestern portion of the proposed project area has capping surface deposits of a mixture of marine and terrestrial older Quaternary alluvial and terrace deposits.

Inspiring wonder, discovery and responsibility for our natural and cultural worlds.

In the cliffs around the eastern side of Upper Newport Bay, and a small portion of the western side of the mouth of Upper Newport Bay, there are exposures of the marine Pliocene Niguel Formation according to the geologic mapping in the area. In the cliffs around the western side of Newport Bay there are exposures of both the marine late Miocene Capistrano Formation and the older marine middle to late Miocene Monterey Formation. Further exposures of the Capistrano Formation occur in the canyons west of Bonita Reservoir and in Muddy Canyon in the far southeastern portion of the proposed project area. The Monterey Formation is exposed in the cliffs on the eastern side of Newport Bay as well as in Big Canyon and in the cliffs along the beach southeastward throughout the proposed project area. In the southeastern portion of the proposed project area from the Pelican Hills Fault to the coast the Monterey formation is either exposed or occurs as bedrock beneath Quaternary deposits. On the north side of the Pelican Hills Fault there are exposures of the middle Miocene San Onofre Breccia. In the more upper reaches of Bonita Canyon there are exposures of the older marine middle Miocene Topanga Formation. The exposures of the Topanga Formation are more extensive further east and south in the proposed project area though, north of the Pelican Hills Fault. In the southeastern portion of the proposed project area, around Signal Peak, there are exposures of the marine late Oligocene to early Miocene Vaqueros Formation. Throughout the San Joaquin Hills there are various exposures of intrusive igneous rocks that will not contain any recognizable vertebrate fossils.

We have one vertebrate fossil locality within boundaries of the far western portion of the proposed project area from older Quaternary deposits, LACM 6370, from the Hoag Hospital lower campus parcel near the intersection of Superior Avenue and the Pacific Coast Highway, that produced a specimen of a fossil horse, *Equus*. Our next closest vertebrate fossil locality from these deposits is LACM 3267, outside the proposed project area boundaries near the intersection of 19th Street and Anaheim Avenue in Costa Mesa, that produced a specimen of a fossil elephant, Proboscidea. Also nearby in Costa Mesa, our vertebrate fossil locality LACM 4219, in a roadcut for the Newport Freeway near Santa Isabel Avenue, produced fossil specimens of turtle, Testudinata, and camel, Camelidae, in coarse poorly sorted friable sands about 30 feet below the grade of Newport Boulevard.

We have quite a few vertebrate fossil localities from older Quaternary deposits within the boundaries of the proposed project area on the eastside of Newport Bay and especially Upper Newport Bay extending to just east of MacArthur Boulevard from University Drive in the north to the Pacific Coast Highway in the south. These localities include LACM 1066, 1068-1069, 1086, 1100, 1240, 3407, 3877, 4254, 4422, 4426, 5466, 6475, 6732, and 6801. These localities produced a rich suite of Quaternary fossil vertebrates (see Appendix A). Several authors have published scientific articles on specimens from these LACM localities (see Appendix B), most notably W.E. Miller in his 1971 publication (Pleistocene vertebrates of the Los Angeles basin and vicinity (exclusive of Rancho La Brea). Los Angeles County Museum Science Bulletin 10:1-124) that covered the extensive faunas from localities LACM 1066 and 1067 (the latter was for the Quaternary deposits at that site now listed as locality LACM 3877).

In the same general vicinity of the Quaternary deposits in the western portion of the proposed project route occur our vertebrate fossil localities from the rock unit geologically mapped as the marine Pliocene Niguel Formation, although we have recorded them as coming from the marine Pliocene Fernando Formation. These localities, around the margin of the peninsula on the eastern side of Upper Newport Bay and from Ford Road in the south along MacArthur Boulevard northward to University Drive, include LACM 1067, 1729, 2019, 3408, 3802, 3977-3978, 3980, and 3986. These localities have produced a substantial fossil fauna and specimens of various taxa from the localities have been published in the scientific literature. The composite fossil fauna from these localities, and a list of scientific publications citing specimens from these localities, are provided in appendices to this report [see appendices C & D].

Also in the same general vicinity our Capistrano Formation vertebrate fossil localities include LACM (CIT) 580, and LACM 4911-4912. Locality LACM (CIT) 580, west of Jamboree Road on the north side of Big Canyon, produced a fossil specimen of sperm whale, *Physeteridae*. Localities LACM 4911-4912, on the north side of Ford Road near MacArthur Boulevard, produced fossil specimens of white shark, *Carcharodon*, as well as undetermined specimens of bony fish, birds, and mammals.

In the far western portion of the proposed project area, in the cliffs on the north side of the Pacific Coast Highway west of Newport Boulevard, stratigraphically just below locality LACM 6370 mentioned above, we have locality LACM 6371 from the underlying marine late Miocene Monterey Formation that produced specimens of undetermined fossil marine mammals. Two other nearby Monterey Formation localities within the proposed project area, LACM 1160 and LACM 7139, occur in the cliffs on the east side of Newport Bay along Backbay Drive on both sides of San Joaquin Hills Road. These localities produced fossil specimens of bony fish, Osteichthyes, and baleen whales, *Mysticeti*. Our other Monterey Formation locality within the proposed project area is LACM 7290, in the southeastern portion of the proposed project area in Crystal Cove State Park, that produced a fossil specimen of mackerel, *Scombridae*.

We have no vertebrate fossil localities from the San Onofre Breccia and, because it is a very coarse sedimentary deposit, it is unlikely to contain significant vertebrate fossils.

We do not have any vertebrate fossil localities from the Topanga Formation that occur within the proposed project area. Our closest Topanga Formation localities occur just to the southeast between Laguna Canyon and Aliso Creek. These localities include LACM 7249, on top of the ridge north of Temple Hill, that produced a fossil specimen of the sea cow *Dioplotherium allisoni* figured in the scientific literature by D. P. Domning (1978. Sirenian Evolution in the North Pacific Ocean. University of California Publications in Geological Sciences, 118:1-176); locality LACM 4007, in Rim Rock Canyon west of Temple Hill, that produced a fossil specimen of sea cow, *Dugongidae*, and locality LACM 3222, on the west side of Aliso Creek canyon approximately due east of the intersection of the Pacific Coast Highway (Highway 1) and Bluebird Canyon Drive, that produced a fossil specimen of the rare and peculiar four-legged marine mammal of the *Desmostylia*, *Desmostylus*.

We also do not have any vertebrate fossil localities from the Vaqueros Formation that occur within the proposed project area. Our closest Vaqueros Formation localities occur just to the east of the northern portion of the proposed project area south of the San Diego Freeway (I-405) and west of Laguna Canyon Road (SR 133) between the Sand Canyon Reservoir and the Laguna Reservoir. These localities, LACM 7505, 7548-7553, 7675-7678, and 7712, produced a suite of marine vertebrate fossils including eagle ray, *Myliobatis*, requiem shark, *Carcharhinus*, extinct quadrupedal marine mammals, Desmostylia, sea cow, Dugongidae, toothed whales, Squalodontidae, Platanistidae and *Argyroctetus*, and baleen whales, Eomysticetidae and Cetotheriidae.

Excavation in the intrusive igneous rocks exposed in the southeastern portion of the proposed project area will not uncover any vertebrate fossils. Excavations in the San Onofre Breccia exposed in the southeastern portion of the proposed project area almost certainly will not encounter any significant vertebrate fossils. Surface grading or very shallow excavations in the younger Quaternary exposed in the various drainages and lowest lying area of the proposed project area are unlikely to encounter significant vertebrate fossils. Deeper excavations that extend down into older deposits as well as any excavations in the older Quaternary deposits, the Niguel Formation, The Capistrano Formation, the Monterey Formation, the Topanga Formation, or the Vaqueros Formation, however, may well uncover significant fossil vertebrate remains. With the exception of the plutonic igneous rocks and the San Onofre Breccia exposures, any substantial excavations in the proposed project area, therefore, should be closely monitored to quickly and professionally collect any specimens without impeding development. Any fossils recovered during mitigation should be deposited in an accredited and permanent scientific institution for the benefit of current and future generations.

This records search covers only the vertebrate paleontology records of the Natural History Museum of Los Angeles County. It is not intended to be a thorough paleontological survey of the proposed project area covering other institutional records, a literature survey, or any potential on-site survey.

Sincerely,



Samuel A. McLeod, Ph.D.
Vertebrate Paleontology

enclosures: appendices; invoice

Appendix A

Composite fossil fauna based on LACM specimens from Quaternary terrace deposit localities
between Upper Newport Bay and the University of California at Irvine

Chondrichthyes

Carcharhiniformes

Carcharhinidae - requiem sharks

*Carcharhinus obscurus**Galeocerda**Galeorhinus zyopterus**Negaprion**Prionace*

Sphyrnidae - hammerhead sharks

*Sphyrna lewini**Sphyrna zygaena*

Triakidae - houndsharks

Triakis semifasciata

Chimaeriformes

Chimaeridae - chimaeras

Hydrolagus collieri

Heterodontiformes

Heterodontidae - horn sharks

Heterodontus francisci

Hexanchiformes

Hexanchidae - cow sharks

Hexanchus

Lamniformes

Alopiidae - thresher sharks

Alopias vulpinus

Carchariidae

Carcharias

Cetorhinidae - basking sharks

Cetorhinus maximus

Lamnidae - mackerel sharks

*Carcharocles megalodon**Carcharodon carcharias**Carcharodon sulcidens**Isurus glaucus**Isurus oxyrinchus**Lamna ditropis*

Myliobatiformes

Myliobatidae - eagle rays

Myliobatis californicus

Urolophidae - sting rays

Urolophus

Squaliformes

Echinorhinidae - bramble sharks

Echinorhinus

Squalidae - dogfish sharks

*Scymnodon ringens**Squalus acanthias*

Chondrichthyes [continued]

Squatiniformes

Squatinidae - angel sharks

Squatina californica

Osteichthyes

Anguilliformes

Ophichthidae - snake eels

Ophichthus

Batrachoidiformes

Batrachoididae - toadfishes

Porichthys myriaster

Ophidiiformes

Ophidiidae - cusk eels

*Otophidium scrippsi**Otophidium taylori*

Perciformes

Istiophoridae - billfish

Labridae - wrasses

Pimelometopon pulchrum

Sciaenidae - croakers

*Cynoscion nobilis**Genyonemus lineatus**Seriphus politus*

Serranidae - groupers

Stereolepis gigas

Sparidae - porgies

Pleuronectiformes

Bothidae - sanddabs

Paralichthys

Pleuronectidae - flounders

Parophrys vetulus

Scorpaeniformes

Cottidae - sculpins

Leptocottus armatus

Amphibia

Anura

Bufonidae - toads

Bufo boreas

Hylidae - tree frogs

Hyla regilla

Ranidae - true frogs

Rana aurora

Urodela

Plethodontidae - lungless salamanders

Aneides lugubris

Appendix A - continued

Reptilia

Squamata

Colubridae - common snakes

*Coluber**Lampropeltis getulus**Masticophis flagellum**Thamnophis*

Crotalidae - rattlesnakes

Crotalus viridis

Testudinata

Cheloniidae - sea turtles

Chelonia mydas

Testudinidae - tortoises

Aves

Accipitriformes

Accipitridae - hawks

*Accipiter**Haliaeetus*

Anseriformes

Anatidae - ducks

*Anser albifrons**Aythya affinis**Branta canadensis**Chendytes lawi**Melanitta deglandi*

Charadriiformes

Alcidae - auks & murres

Mancalla californiensis

Laridae - gulls

Larus

Scolopacidae - sandpipers

Catoptrophorus inornatus

Stercorariidae - jaegers

Stercorarius

Galliformes

Phasianidae - quail

Lophortyx

Gaviiformes

Gaviidae - loons

*Gavia arctica**Gavia immer**Gavia stellata*

Passeriformes

Corvidae - crows

Corvus

Passeriformes

Icteridae - blackbirds

Agelaius

Aves [continued]

Pelecaniformes

Phalacrocoracidae - cormorants

Phalacrocorax pentellatus

Sulidae - boobies

Morus reyana

Podicipediformes

Podicipedidae - grebes

Aechmophorus occidentalis

Procellariiformes

Diomedeidae - albatrosses

Diomedea albatrus

Procellariidae - shearwaters

*Fulmarus glacialis**Puffinus griseus**Puffinus opisthomelas*

Mammalia

Artiodactyla

Antilocapridae - pronghorn antelopes

Antilocapra americana

Bovidae - cattle & bison

*Bison antiquus**Bison latifrons*

Camelidae - camels

*Camelops hesternus**Tamnopola stевensi*

Cervidae - deer

Odocoileus hemionus

Carnivora

Canidae - dogs

Canis dirus

Mustelidae - otters & skunks

*Enhydra lutris**Spilogale*

Otariidae - sea lions

*Arctocephalus**Eumetopias**Zalophus*

Phocidae - seals

Mirounga angustirostris

Cetacea

Balaenopteridae - rorqual whales

Balaenoptera

Delphinidae - dolphins

Lagenorhynchus

Appendix A - continued

Mammalia [continued]

Chiroptera

Vespertilionidae - evening bats

Antrozous pallidus

Insectivora

Soricidae - shrews

*Notiosorex crawfordi**Sorex ornatus*

Lagomorpha

Leporidae - rabbits

*Sylvilagus audubonii**Sylvilagus bachmani*

Perissodactyla

Equidae - horses

Equus occidentalis

Tapiridae - tapirs

*Tapirus californicus**Tapirus merriami*

Proboscidea

Elephantidae - elephants

Mammuthus

Mammutidae - mastodons

Mammut

Rodentia

Cricetidae - deer mice

*Microtus californicus**Neota fuscipes**Peromyscus crinitus**Peromyscus maniculatus**Reithrodontomys megalotis*

Geomyidae - pocket gophers

Thomomys bottae

Heteromyidae - pocket mice

*Dipodomys agilis**Perognathus californicus*

Sciuridae - squirrels

Spermophilus beecheyi

Xenarthra

Megalonychidae - ground sloths

Megalonyx

Megatheriidae - giant ground sloths

Nothrotheriops shastensis

Mylodontidae - ground sloths

Paramylodon

Appendix B

Publications citing LACM specimens from Quaternary terrace deposit localities
between Upper Newport Bay and the University of California at Irvine

- Barnes, Lawrence G. 1977. Outline of eastern North Pacific fossil cetacean assemblages. *Systematic Zoology*, 25(4):321-343.
- Chandler, Robert M. 1990. Recent Advances in the Study of Neogene Fossil Birds. II. Fossil Birds of the San Diego Formation, Late Pliocene, Blacan, San Diego County, California. *Ornithological Monographs*, 44(2):73-161.
- Fierstine, Harry L. and Shelton P. Applegate. 1968. Billfish Remains from Southern California with Remarks on the Importance of the Predentary Bone. *Bulletin of the Southern California Academy of Sciences*, 67(1):29-39.
- Howard, Hildegarde. 1947. Wing elements assigned to *Chendytes*. *Condor*, 49(2):76-77.
- Howard, Hildegarde. 1949. Avian fossils from the marine Pleistocene of southern California. *Condor*, 51(1):20-28.
- Howard, Hildegarde. 1955. New records and a new species of *Chendytes*, an extinct genus of diving geese. *Condor*, 57(3):135-143.
- Howard, Hildegarde. 1958. Further Records from the Pleistocene of Newport Bay Mesa, California. *Condor*, 60(2):136.
- Howard, Hildegarde. 1964. Further discoveries concerning the flightless "diving geese" of the genus *Chendytes*. *Condor*, 66(5):372-376.
- Howard, Hildegarde. 1966. A possible ancestor of the Lucas Auk (Family Mancallidae) from the Tertiary of Orange County, California. *Contributions in Science, Natural History Museum of Los Angeles County*, 101:1-8.
- Hudson, D. M. and B. H. Brattstrom. 1977. A small herpetofauna from the late Pleistocene of Newport Beach Mesa, Orange County, California. *Bulletin of the Southern California Academy of Sciences*, 76(1):16-20.
- Jefferson, George T. 1989. Late Cenozoic Tapirs (Mammalia: Perissodactyla) of Western North America. *Contributions in Science, Natural History Museum of Los Angeles County*, 406:1-21.

Appendix B - continued

- Miller, Wade E. 1971. Pleistocene vertebrates of the Los Angeles basin and vicinity (exclusive of Rancho La Brea). Los Angeles County Museum Science Bulletin 10:1-124.
- Miyazaki, Shigeo, Hideo Horikawa, Naoki Kohno, Kiyoharu Hirota, Masaichi Kimura, Yoshikazu Hasegawa, Yukimitsu Tomida, Lawrence G. Barnes and Clayton E. Ray. 1994. Summary of the fossil record of pinnipeds of Japan, and comparisons with that from the eastern North Pacific. The Island Arc, 3(4):361-372.
- Reynolds, Richard L. 1976. New record of *Antilocapra americana* Ord, 1818, in the Late Pleistocene fauna of the Los Angeles Basin. Journal of Mammalogy, 57(1):176-178.
- Welton, Bruce J. 1982. *Scymnodon ?ringens* A New Addition to the Ichthyofauna of the Late Pleistocene Palos Verdes Sand at Newport Bay Mesa, Orange County, California. Bulletin of the Southern California Academy of Sciences, 80(2):49-59.

Appendix C

Composite fossil fauna based on LACM specimens from Niguel Formation localities
between Upper Newport Bay and the University of California at Irvine

Chondrichthyes

Chimaeriformes

Chimaeroidei - chimaeras

Lamniformes

Alopiidae - thresher sharks

Alopias superciliosus

Lamnidae - mackerel sharks

Carcharocles

Carcharodon carcharias

Carcharodon sulcidens

Isurus oxyrinchus

Squaliformes

Squalidae - dogfish sharks

Squalus acanthias

Osteichthyes

Gadiformes

Merlucciidae - hakes

Merluccius productus

Moridae - mora cods

Perciformes

Sciaenidae - croakers

Seriphus

Scorpaeniformes

Cottidae - sculpins

Scorpaenidae - rockfishes

Sebastes

Aves

Charadriiformes

Alcidae - auks & murrees

Mancalla californiensis

Galliformes

Meleagridae - turkeys

Meleagris

Procellariiformes

Procellariidae - shearwaters

Puffinus felthami

Mammalia

Artiodactyla

Camelidae - camels

Tanupolama

Carnivora

Otariidae - sea lions

Insectivora

Talpidae - moles

Scapanus latimanus

Perissodactyla

Equidae - horses

Equus

Rodentia

Heteromyidae - pocket mice

Perognathus

Appendix D

Publications citing LACM specimens from Niguel Formation localities
between Upper Newport Bay and the University of California at Irvine

- Chandler, Robert M. 1990. Recent Advances in the Study of Neogene Fossil Birds. II. Fossil Birds of the San Diego Formation, Late Pliocene, Blencoe, San Diego County, California. *Ornithological Monographs*, 44(2):73-161.
- Howard, Hildegard. 1949. New avian records for the Pliocene of California. *Carnegie Institution of Washington Publication*, 584(6):177-199.
- Howard, Hildegard. 1966. A possible ancestor of the Lucas Auk (Family *Mancallidae*) from the Tertiary of Orange County, California. *Contributions in Science, Natural History Museum of Los Angeles County*, 101:1-8.
- Howard, Hildegard. 1970. A review of the extinct avian genus, *Mancalla*. *Contributions in Science, Natural History Museum of Los Angeles County*, 203:1-12.
- Hutchison, J. Howard. 1987. Moles of the *Scapanus latimanus* group (Talpidae, Insectivora) from the Pliocene and Pleistocene of California. *Contributions in Science, Natural History Museum of Los Angeles County*, 386:1-15.
- Miller, Loye Holmes and Hildegard Howard. 1949. The Flightless Pliocene Bird *Mancalla*. *Carnegie Institution of Washington Publication*, 584(7):210-238.
- Miller, Wade E. 1971. Pleistocene vertebrates of the Los Angeles basin and vicinity (exclusive of Rancho La Brea). *Los Angeles County Museum Science Bulletin* 10:1-124.
- Olson, Storrs L. 1981. A Third Species of *Mancalla* from the Late Pliocene San Diego Formation of California (Aves: Alcidae). *Journal of Vertebrate Paleontology*, 1(1):97-99.
- Steadman, David W. 1980. A Review of the Osteology and Paleontology of Turkeys (Aves: Meleagridinae). *Contributions in Science, Natural History Museum of Los Angeles County*, 330:131-207.

APPENDIX C: PREVIOUS CULTURAL RESOURCES STUDIES

Author	Ref. # (OR-)	Report Title	Date	USGS Quad	Loca-tion
Crabtree, Robert H.	11	Harborview Hills Development, Section 3 and 4, Sites 11, 13, and 14	1973	Laguna Beach, Tustin	Within the City
Gordon, James R.	17	Replacement of the Existing Upper Newport Bay Bridge on the Pacific Coast Highway, State Route 1, in the City of Newport Beach, Orange County With a New 6-Lane Structure	1975	Newport Beach	Within the City
Rosen, Martin D.	18	Addendum to the Archaeological Consideration Aspect of the Draft Environmental Impact Statement (number Fhwa-CA-eis-75-02-d) Concerning the Replacement of the Existing Upper Newport Bay Bridge on the Pacific Coast Highway, State Route 1, in the City of Newport Beach	1975	Newport Beach	Within the City
Desautels, Roger J.	33	Archaeological Survey Report on the One-half of Lot 81, Tact 371, Located at the Southwesterly Corner of Mesa Drive, Newport Beach, Orange County, California	1975	Newport Beach	Within the City
unknown	46	Newporter North Archaeology Draft Report on Limited Testing	1977	Newport Beach	Within the City
Desautels, Roger J.	167	Archaeological Survey Report on Lot 29- Tract 224 Located in the Costa Mesa Area of Orange County	1977	Newport Beach	Within the City
Desautels, Roger J.	193	Archaeological Test Report on a 2.7 Acre Parcel of Land Located in the Newport Beach Area of the County of Orange	1977	Newport Beach	Within the City
Desautels, Roger J.	197	Archaeological Survey Report on Approximately 3/4 of an Acre Located on Santa Ana Avenue South of Orchard Drive, Upper Newport Bay Area, County of Orange	1977	Newport Beach	Within the City
Van Horn, David M.	204	Archaeological Survey Report for the Proposed Jamboree Pump Station and Jamboree Truck Project Near Newport Beach, California	1978	Newport Beach	Within the City
Van Horn, David M., W.D. McCawley, and J. R. Murray	205	Excavations At: the Glassell Site, ORA-168 in Newport Beach	1978	Newport Beach	Within the City
Cottrell, Marie G.	235	Report of Preliminary Archaeological Survey Conducted for the San Joaquin Hills Transportation Corridor	1978	Laguna Beach, Tustin	Within the City
Breece, William H.	236	Project Maps Only Negative Declarations by Westec Services in Orange County	1978	Newport Beach	Within the City
unknown	242	Archaeological Test Report on Tt No. 10272, Site Ora 357, Located in the Newport Mesa Area of the County of Orange	1978	Newport Beach	Within the City
Desautels, Roger J.	252	Cultural Resources Report- Preliminary Assessment on the Proposed San Diego Creek Watershed Erosion and Sedimentary Control System in Hicks Canyon, Hicks Canyon Wash, Rattlesnake Creek	1978	Tustin, El Toro	Within the City

Author	Ref. # (OR-)	Report Title	Date	USGS Quad	Location
		Wash, San Diego Creek, and the San Joaquin Marsh Located in Orange County			
Whitney-Desautels, Nancy A.	254	Archaeological Report on the Aliso Creek Specific Plan-planning Unit 1 Located in the El Toro and Laguna Hills Area of the County of Orange	1977	El Toro, San Juan Capistrano	Within the City
Desautels, Roger J.	258	Archaeological Survey Report on Tentative Tract No. 10272 Located in the Costa Mesa Area of the County of Orange	1978	Newport Beach	Within the City
Leonard, Nelson N. III and Mathew C. Hall	270	Description and Evaluation of Cultural Resources Within the US Army Corps of Engineer Santa Ana River Project	1975	Newport Beach, Orange, Anaheim, El Toro, Black Star Canyon, Prado Dam	Within the City
Whitney, Nancy A., Lee Di Gregorio, and Roger J. Desautels	273	Archaeological Report: Surface Collection/index Sample- (spiller Property) on Site CA_ORA-174, the Spiller Property, Located in the Santa Ana Heights Area of the County of Orange	1978	Newport Beach	Within the City
Cottrell, Marie G., David Van Horn, and Allen Schilz	282	Report of Archaeological Test Level Investigations Conducted at Sites CA-ORA-483 and CA-ORA-106	1979	Tustin	Within the City
Van Horn, David M.	297	Archaeological Test Excavations at ORA-227, 275, 619, 620 in the Coyote Canyon Refuse Disposal Station, County of Orange, California	1977	Laguna Beach	Within the City
Schroth, Adella	305	The History of Archaeological Research on Irvine Ranch Property: the Evolution of a Company Tradition	1979	Laguna Beach, Tustin, San Juan Capistrano, Black Start Canyon, Orange	Within the City
unknown	313	Archaeological Survey Report on Tentative Tract No. 10537 Located in the Unincorporated Area of the County of Orange, in the Vicinity of Newport Beach, California	1978	Newport Beach	Within the City
Desautels, Roger J.	326	Archaeological Report on the Proposed Orange County Water District Costa Mesa/Huntington Beach Area of the County of Orange	1978	Newport Beach, Seal Beach	Within the City

Author	Ref. # (OR-)	Report Title	Date	USGS Quad	Loca-tion
Mabry, Theo N.	335	Archaeological Records Search and Reconnaissance Survey Baywood Apartments Expansion Newport Beach, CA	1978	Laguna Beach	Within the City
unknown	337	Archaeological Records Search and Reconnaissance Survey San Miguel Triangle, Newport Beach	1978	San Juan Capistrano	Within the City
Howard, Jerry and Christina Carter	340	Excavations of the Spyglass Hills Site, CA-ORA 203 in Orange County, California	1975	Laguna Beach	Within the City
Cottrell, Marie G.	352	Preliminary Report of Fieldwork at 4-ORA-130	unkno wn	Laguna Beach	Within the City
Himmerich, Robert T.	355	Pits S7e1 and S1w23 of 4 Ora 198	1970	Laguna Beach	Within the City
Cooley, Theodore G.	357	Report of Test Excavations 4 Ora 146	1974	Laguna Beach	Within the City
Lyneis, Margaret M.	360	An Archaeological Evaluation of ORA-193, Newport Bay, Orange County, California	1979	Newport Beach	Within the City
Lyneis, Margaret M.	361	ORA-193 on Newport Bay: Implications for Gabrielino Subsistence Systems- a Preliminary Site Report	1978	Newport Beach	Within the City
Rice, Glen E.	364	Report on Archaeological Investigations at CA-ORA-192	1977	Tustin	Within the City
Drover, Christopher E.	365	Test Excavations of Lower Bonita Creek	1975	Tustin	Within the City
unknown	391	This Book Presents the Findings of Works Progress Administration Anthropological Project #7680, 4-ORA-107	1938	Tustin	Within the City
Cottrell, Marie G.	413	Westbay: Archaeological Resources Investigation	1978	Newport Beach	Within the City
Mabry, Theo N.	427	Test-Level Investigations, North Bluffs of Upper Newport Bay, Newport Beach, CA	1979	Tustin	Within the City
Di Gregorio, Lee A.	437	Report on Archaeological Monitoring of Grading and Construction: CA-ORA-174 the Spiller Site	1979	Newport Beach	Within the City
Mabry, Theo N.	442	Archaeological Records Search and Reconnaissance Survey Superior Avenue Realignment Route	1979	Newport Beach	Within the City
unknown	466	Archaeological Test Report on Tract 10849 Located in the Costa Mesa Area of the County of Orange	1978	Newport Beach	Within the City
McCawley, William	482	An Interim Report of Initial Site Testing at ORA-839	1979	Newport Beach	Within the City
unknown	530	Orange County California Historical Research Project Report of Limestone Canyon Excavations Limestone-Sand Hill-Adams-Fairview-Sandstone Cave-Newland Hillside & Norris Excavations	1935	Newport Beach	Within the City

Author	Ref. # (OR-)	Report Title	Date	USGS Quad	Loca-tion
Douglas, Ronald D.	568	Archaeological Survey Report on Five Development Parcels in Newport Center, Newport Beach, Orange County, California	1980	Newport Beach, Laguna Beach	Within the City
unknown	569	Report on Archaeological Field Survey and Subsurface Testing, Pacific Mutual Plaza Development Site, Newport Beach, California	1980	Newport Beach	Within Subarea
Stickel, Gary E. and Jerry B. Howard	574	Final Report of a Cultural Resource Survey of the University of California, Irvine	1976	Tustin	Within the City
Cooley, Theodore G.	575	Preliminary Report-Bonita Mesa	1974	Tustin	Within Subarea
Rashke, Rod	587	Archaeological and Paleontological Assessment, Mariner's Office Plaza, City of Newport Beach, California	1980	Newport Beach	Within the City
Rashke, Rod	588	Archaeological and Paleontological Assessment, Waterfront Homes, City of Newport Beach, California	1981	Newport Beach	Within the City
Taylor, Thomas T.	597	Archaeological Investigations at CA-ORA-691, a Ceramic Site on the Irvine Coast, Orange County, California	1980	Laguna Beach	Within the City
Whitney-Desautels, Nancy A.	607	Archaeological Survey Report on the Acacia Offices Project, Opi-1, Located in the Santa Ana Heights Area of the County of Orange, California	1981	Newport Beach	Within the City
Douglas, Ronald D.	615	Archaeological Resource Survey Northern Inland Coastal Hills Planning Area Orange County, California	1981	Tustin	Within Subarea
Desautels, Roger J.	638	The Survey, Inventory, and Assessment of the Proposed County Canitation Districts of Orange County Back Bay Trunk Sewer From Newport Dunes to Jamboree Pump Station and the Big Canyon Marsh Restoration Project, Upper Newport Bay, Newport Beach, County of Orange	1981	Newport Beach	Within the City
Romani, John F.	643	Archaeological Survey Report for the ORA-55 Corridor	1982	Newport Beach	Within the City
Romani, John F.	644	Archaeological Survey Report for the Proposed ORA-1 Widening Project (p.m. 19.80- P.m. 25.89) 07210-499850	1982	Newport Beach	Within the City
Padon, Beth	657	Archaeology at the Superior Avenue Site	1983	Newport Beach	Within the City
Padon, Beth	658	Archaeology at the 471 Old Newport Boulevard Site	1983	Newport Beach	Within the City
Seeman, Larry	666	Historic Property Survey Pacific Coast Highway Widening Project Newport Beach, California	1981	Newport Beach	Within Subarea
Martz, Larry	667	Crystal Cove State Park General Plan	1981	Laguna Beach	Within the City

Author	Ref. # (OR-)	Report Title	Date	USGS Quad	Loca-tion
Tadlock, Jean and W. Lewis Tadlock	668	San Joaquin Hills Transportation Corridor Cultural Resources Study-- Archaeology	1979	Laguna Beach, Tustin	Within the City
Padon, Beth	673	Archaeological Assessment, Proposed Upper Newport Bay Bicycle/Equestrian Trail, Newport Beach, California	1983	Newport Beach, Tustin	Within the City
Drover, Christopher E.	675	Environmental Impact Evaluation: Laguna/Laurel Biological and Cultural- Scientific Resource Assessment. Archaeological Element	1982	Laguna Beach	Within the City
Warren, Claude	677	The Sea Island Apartments Site Was Investigated for Archaeological Resources	1976	Newport Beach	Within the City
Cottrell, Marie G.	687	Archaeological Resources Assessment Conducted for the Laurel Canyon Area of the Laguna Laurel Planned Community	1983	Laguna Beach	Within the City
unknown	688	Archaeological Resources Survey of the Avon Street Project	1983	Newport Beach	Within the City
Cottrell, Marie G.	689	St. Andrews Presbyterian Church Property	1983	Newport Beach	Within the City
unknown	713	Orange County California Anthropological Project San Joaquin Gun Club Site ORA-192, ORA-57	1938?	Newport Beach	Within the City
Cottrell, Marie G.	714	Archaeological Resources Assessment: Coyote Canyon Sanitary Landfill	1977	Laguna Beach, Tustin	Within Subarea
Tadlock, Jean and W. Lewis Tadlock	716	San Joaquin Hills Transportation Corridor Cultural Resources Study-- Archaeology	1979	Laguna Beach, Tustin	Within the City
Van Horn, David M., J.D. Cooper, E. Crespín, and J.R. Murray	718	A Cultural/Scientific Resources Investigation of the Planned San Joaquin Hills Transportation Corridor (Phase II)	1983	Laguna Beach, Tustin, San Juan Capistrano	Within Subarea
Cottrell, Marie G.	720	San Joaquin Hills Transportation Corridor: an Annotated List of Archaeological Reports Referenced by Number	1983	Laguna Beach, Tustin, San Juan Capistrano, Dana Point	Within the City
Padon, Beth	725	Westbay Monitoring	1984	Newport Beach	Within the City
Padon, Beth	731	Archaeological Testing at CA-ORA-660 Cameo Del Mar Orange County, California	1984	Laguna Beach	Within the City
Barter, Eloise Richards	740	Excavations at CA-ORA-130 and CA-ORA-323 Coastal Bluff Sites at Crystal Cove State Park	1983	Laguna Beach	Within the City

Author	Ref. # (OR-)	Report Title	Date	USGS Quad	Loca-tion
Brock, James P.	756	Results of Archaeological and Paleontological Grading Monitoring for the Newport Financial Square Project, 1601 Avocado Avenue, Newport Center, Newport Beach, California	1985	Laguna Beach	Within the City
Breece, William H. and Lisa Wayne	775	Limited Test-Level Investigation at CA-ORA-1002, Corona Del Mar, California	1985	Laguna Beach	Within the City
Breece, William H.	776	Limited Test-Level Investigation at CA-ORA-192 and CA-ORA-348, Bayview Planned Community, County of Orange, California	1985	Tustin	Within the City
Padon, Beth	783	An Archaeological Assessment of the North Ford/University Avenue Project, City of Newport Beach	1985	Tustin	Within the City
Langenw alter, Paul E. and James Brock	801	Phase II Archaeological Studies Prado Basin and the Lower Santa Ana River	1985	Newport Beach, Orange, Anaheim, Black Star Canyon, Prado Dam	Within the City
Bissell, Ron and Rod Raschke	804	Archaeological and Paleontological Resources Assessment- Edgewater Place Property, Newport Beach, California	1986	Newport Beach	Within the City
Demcak, Carol R.	810	Report of Test Level Investigations Conducted at CA-ORA-673, Coyote Canyon, Orange County, California	1985	Laguna Beach	Within the City
Breece, William H. and Laurel A Harrison	815	Archaeological Salvage Program at CA-ORA348 and CA-ORA 192, Bayview Planned Community, County of Orange, California	1985	Tustin	Within the City
Hemphill , Martha L.	818	Cultural Resource Assessment for Tract 12079 Corona Del Mar, Newport Beach Orange County, California	1986	Laguna Beach	Within the City
Padon, Beth	847	Archaeological Resource Inventory City of Irvine and its Sphere of Influence	1986	Tustin, Black Start Canyon	Within the City
Mason, Roger D.	858	Phase I Results and Phase II Proposals for Archaeological Assessment of the Meadowlark Airport, Huntington Beach, California	1986	Seal Beach	Within the City
Brock, James P.	865	Report on Archaeological/Paleontological Monitoring at Coyote Canyon Sanitary Landfill	1987	Laguna Beach	Within Subarea
Brock, James P.	866	Archaeological Assessment of the 1.25 Acre Property, 2505 Cliff Drive Newport Beach (ttm #12873)	1987	Newport Beach	Within the City
Rosentha l, Jane and Beth Padon	869	An Archaeological Overview of the Coyote Canyon Sanitary Landfill Final Report	1987	Laguna Beach	Within Subarea

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Desautels, Nancy A.	889	Archaeological Monitoring of Tract 12079, Corona Del Mar, Orange County, California/srs Job 743-2	1986	Laguna Beach	Within the City
Breece, William H.	891	Cultural Resource Report for the Widening of Avon Street, Newport Beach	1988	Newport Beach	Within the City
Del Chario, Kathleen	893	Archaeological Resource Assessment for Three Parcels in Newport Beach	1981	Laguna Beach	Within the City
Padon, Beth	925	Report in Paleontological and Archaeological Monitoring Coyote Canyon Landfill Orange County, California	1988	Laguna Beach	Within Subarea
Bissell, Ronald M.	933	Cultural and Paleontological Resources Reconnaissance of the Long Range Development Plan Study Area, University of California, Irvine, Orange County, California	1988	Tustin	Within the City
Bissell, Ronald M.	939	Archaeological Resources Reconnaissance of the Long Range Development Plan Study Area, University of California, Irvine, Orange County, California	1988	Tustin	Within the City
Farnsworth, Paul S. and N. Whitney-Desautels	954	Determination of National Register Eligibility and Treatment Plan and Data Recovery Program for Archaeological Sites on the Coyote Canyon Sanitary Landfill Property, Orange County, California	1989	Laguna Beach, Tustin	Within Subarea
Becker, Kenneth M.	984	Cultural Resources Reconnaissance of the Proposed Castaways Marine Newport Beach, Orange County, California	1989	Newport Beach	Within the City
Breece, William H., Beth Padon, and Jane Rosenthal	986	Results of the Test-Level Investigation at CA-ORA-1120 Bonita Canyon, Orange County, California	1989	Tustin	Within Subarea
unknown	1003	Draft Environmental Impact Report Newport Dunes Redevelopment	1979	Newport Beach	Within the City
Padon, Beth	1012	Back Bay Archaeology Site Inventory/Status Evaluation	1982	Newport Beach, Tustin	Within Subarea
Leonard, Nelson N. III	1016	Environmental Impact Evaluation: Route Alternates Between the Michelson Treatment Plant and Plants on the Santa Ana River, Orange County, California	1975	Newport Beach	Within the City
Cottrell, Marie G.	1017	Archaeological Sites of Upper Newport Bay	1976	Newport Beach	Within the City
Van Horn, David M.	1027	Archaeological Survey Report: 20162 Birch Street, Santa Ana Heights, County of Orange	1990	Tustin	Within the City
Jertberg, Patricia, Beth Padon,	1043	Archaeological Mitigation Program at CA-ORA-231 Coyote Canyon Landfill	1990	Laguna Beach	Within the City

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and Jane Rosenthal					
Gross, Timothy G., and Mary Robbins-Wade	1052	Cultural Resources Assessment: Villa Point Condominiums II, Newport Beach, California	1989	Newport Beach	Within the City
Breece, William H.	1056	Archaeological Monitoring for the Villa Point Phase II Project in Newport Beach	1990	Newport Beach	Within the City
Bissell, Ronald M.	1069	Cultural Resources Reconnaissance of the Southernmost Portion of the Delhi Channel, Newport Beach, Orange County, California	1991	Newport Beach	Within the City
Breece, William H.	1071	Results of the Geologic Trenching and Bore Holes Program Conducted at the Newporter North Site, Newport Beach	1991	Newport Beach	Within the City
Jertberg, Patricia R.	1072	Final Report on Archaeological Monitoring at Coyote Canyon Sanitary Landfill Orange County, California	1990	Laguna Beach, Tustin	Within Subarea
Dillon, Brian D.	1087	Archaeological Record Search for the Green Acres Phase II Project, Orange County Water District, Cities of Huntington Beach and Newport Beach, Orange County, California	1990	Newport Beach, Seal Beach	Within the City
Brown, Joan C.	1097	Cultural Resources Reconnaissance of a 138 Acre Section of Upper Newport Bay Regional Park Located in Newport Beach, Orange County, California	1991	Newport Beach	Within the City
Pettus, Roy	1119	Marine Cultural Resources Survey Within the Lower Santa Ana River Project Near Shore Disposal Area	1991	Newport Beach	Within the City
Marmor, Jason D.	1120	Historic Architectural Survey Report for a Segment of Macarthur Boulevard Pacific Coast Highway to University Drive Newport Beach/Irvine, Orange County, California	1991	Laguna Beach, Tustin	Within Subarea
Rosenthal, Jane	1127	Past to Present: Cultural and Scientific Resources, an Archival Inventory Irvine Ranch Open Space Reserve Orange County, California	1991	Black Star Canyon, El Toro	Within the City
De Barros, Philip and Henry C. Koerper	1133	Final Test Investigation Report and Request for Determination of Eligibility for 23 Sites Along the San Joaquin Hills Transportation Corridor	1990	Laguna Beach, Tustin, Black Star Canyon	Within the City
Barter, Eloise Richards	1141	Archaeological Testing at Crystal Cove State Park 1983-1985	1991	Laguna Beach	Within the City
Jertberg, Patricia, Beth	1146	CA-ORA-1193: Test Program for Determination of National Register Eligibility	1991	Laguna Beach	Within the City

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Padon, and Jane Rosenthal					
Rosenthal, Jane and Beth Padon	1176	CA-ORA-236, Coyote Canyon Cave Data Recovery Investigations, Coyote Canyon Sanitary Landfill, Orange County, California	1991	Laguna Beach	Within the City
Brown, Joan C.	1189	Cultural Resources Reconnaissance of 11 Parcels of Land Located in Newport Beach, Orange County, California	1992	Newport Beach, Tustin	Within the City
Brown, Joan C.	1197	Cultural Resources Reconnaissance of Ten Miles of the Santa Ana-Delhi Channel Complex, Orange County, California	1992	Newport Beach	Within the City
Rosenthal, Jane and Patricia Jertberg	1208	Archaeology Testing at CA-ORA-124/134 Irvine, California	1992	Tustin	Within the City
Sampson, Michael P.	1217	Comments on the CA-ORA-246 Report (June 1992)	1992	Laguna Beach	Within the City
Jones, Kenneth	1218	Additional Comments Regarding Your Report on Excavations at Site CA-ORA-246 (Dated March 1992) in Crystal Cove State Park	1992	Laguna Beach	Within the City
Cameron, Constance	1225	Surface Collection From CA-ORA-323	1987	Laguna Beach	Within the City
Barter, Eloise Richards	1226	Excavations at CA-ORA-130 and CA-ORA-323 Coastal Bluff Sites at Crystal Cove State Park	1987	Laguna Beach	Within the City
Koerper, Henry C. and Clay A. Singer	1234	Two Unusual Perforated Stones From the Newport Bay Area	1988	Newport Beach, Tustin	Within the City
Rosenthal, Jane	1244	Phase II Archaeological Testing at CA-ORA-124/134	1992	Tustin	Within the City
Mason, Roger D., Mark L. Peterson, Henry C. Koerper, Lisa Panet Klug, Wayne H. Bonner, Vicki Solheid, and Tony	1251	Newport Coast Archaeological Project Project Background and Research Design	1991	Laguna Beach	Within the City

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Morgan					
Mason, Roger D., Mark L. Peterson, Clay A. Singer, Paul E. Langenw alter II, Tony Morgan, and Gary S. Hurd	1251	Newport Coast Archaeological Project Results of Data Recovery at Buck Hill CA-ORA-663 Tract no. 14065, Lots 34, 35, 36, 86, 87 and a Portion Of	1990	Laguna Beach	Within the City
Mason, Roger D., Mark L. Peterson, Clay A. Singer, Brant A. Brechbiel, Lisa Panet Klug, Wayne A. Bonner, Tony Morgan, Robert O. Gibson	1253	Newport Coast Archaeological Project: Results of the Test Program and Data Recovery Program at Area 13 of CA-ORA-662 (icd-13) Impacted by Construction of Lower Loop Road	1992	Laguna Beach	Within the City
Mason, Roger D., Mark L. Peterson, Brant A. Brechbiel, Clay A. Singer, Paul E. Langenw alter II, and Tony Morgan	1254	Newport Coast Archaeological Project Results of Data Recovery From Sites Impacted by Construction of Pelican Hill Road Segment B (Newport Coast Drive)	1991	Tustin	Within the City

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Mason, Roger D., Brant A. Brechbiel, Clay A. Singer, Wayne Bonner, Robert O. Gibson, Mark L. Peterson, and Lisa Panet King	1255	Newport Coast Archaeological Project: Results of Data Recovery at the French Flat Complex Sites	1992	Laguna Beach	Within Subarea
Mason, Roger D., Mark L. Peterson, Brant A. Brechbiel, Clay A. Singer, Wayne H. Bonner, Tony Morgan, and Robert O. Gibson	1256	Newport Coast Archaeological Project: Results of Data Recovery From Sites Impacted by Construction of Pacific Coast Highway (Inland Side)	1992	Laguna Beach	Within the City
Mason, Roger D., Mark L. Peterson, Brant A. Brechbiel, Clay A. Singer, Paul E. Langenw alter II, and Tony Morgan, Robert O. Gibson, Gary S. Hurd	1257	Newport Coast Archaeological Project: Results of Data Recovery at the Wishbone Hill Sites CA-ORA-339, CA-ORA-340, CA-ORA-928, CA-ORA-929 Tract 14064	1991	Laguna Beach	Within the City

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Mason, Roger D., Mark L. Peterson, Brant A. Brechbiel, Clay A. Singer, Paul E. Langenw alter II, and Tony Morgan, Robert O. Gibson, Gary S. Hurd	1259	Newport Coast Archaeological Project: Results of Data Recovery at CA-ORA-683 Planning Area 2b1, Tract 14038	1991	Laguna Beach	Within the City
Rosentha l, Jane and Andrea Charron	1262	Archaeological Assessment Planning Area 26, Parcel 2, Irvine, Orange County, California	1993	Tustin	Within the City
Rosentha l, Jane and Andrea Charron	1270	Archaeological Assessment Planning Area 23, Parcel 2, Irvine, Orange County, California	1993	Tustin	Within the City
Mason, Roger D. and Wayne H. Bonner	1273	Prehistoric Cultural Resource Survey Report and Analysis of Impacts for the Ford Road Realignment	1992	Tustin	Within the City
Rosentha l, Jane and Laurel H. Breece	1274	Salvage and Monitoring Activities at CA-ORA-124/134, Irvine, Orange County, California	1993	Tustin	Within the City
Mason, Roger D. and Brant A. Brechbiel	1283	Newport Coast Archaeological Project: Results of the Subsurface Test Program Conducted at CA-ORA-1254	1993	Laguna Beach	Within the City
Mason, Roger D. and Brant A. Brechbiel	1284	Newport Coast Archaeological Project: Results of Archaeological Grading Monitoring of San Joaquin Hills Road and the Subsurface Test Program Conducted at CA-ORA-1252	1993	Laguna Beach	Within the City
Mason, Roger D., John D. Cooper,	1285	Newport Coast Archaeological Project: Results of Archaeological and Paleontological Construction Grading Monitoring of Pacific Coast Highway Graded Utility Bench	1993	Laguna Beach	Within the City

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and Brant A. Brechbiel					
Mason, Roger D. and Brant A. Brechbiel	1288	Newport Coast Archaeological Project: Results of Data Recovery at CA-ORA-662 Area 13 (icd-13) Impacted by Construction Within Newport Coast Planning Area 1c-2	1993	Laguna Beach	Within the City
Mason, Roger D., John D. Cooper, and Paul G. Chace	1289	Newport Coast Archaeological Project: Results of Archaeological and Paleontological Grading Monitoring of Sand Canyon Avenue	1993	Laguna Beach	Within the City
Jones, Carleton S. and Carol R. Demcak	1294	Report of Archaeological Investigations at CA-ORA-1301h, Mission Viejo, South Orange County, California	1993	San Juan Capistrano	Within the City
Mason, Roger D., Brant A. Brechbiel, Clay A. Singer, Robert O. Gibson, Mark L. Peterson, and Paul E. Langewalter II	1302	Newport Coast Archaeological Project Results of Data Recovery at the Late Small Rockshelters CA-ORA-674, CA-ORA-677, CA-ORA-678, CA-ORA-1206, CA-ORA-1210, CA-ORA-676, CA-ORA-682, CA-ORA-679, CA-ORA-1204 Planning Areas 2c1, 8, 12d	1991	Laguna Beach	Within the City
Mason, Roger D., Brant A. Brechbiel, Clay A. Singer, Robert O. Gibson, Mark L. Peterson, Lisa Panet Klug, Wayne H. Bonner, Tony Morgan, Robert O.	1303	Newport Coast Archaeological Project: Results of Data Recovery at the Pelican Hill Sites CA-ORA-662 and ORA-1203 Volume I	1993	Laguna Beach	Within the City

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Gibson, and Patricia S					
Mason, Roger D., Brant A. Brechbiel , Clay A, Singer, Robert O. Gibson, Mark L. Peterson, Lisa Panet Klug, Wayne H. Bonner, Tony Morgan, Robert O. Gibson, and Patricia S	1304	Newport Coast Archaeological Project: Results of Data Recovery at the Pelican Hill Sites CA-ORA- 662 and ORA-1203 Volume II	1993	Laguna Beach	Within the City
Mason, Roger D., Brant A. Brechbiel , Clay A, Singer, Robert O. Gibson, Mark L. Peterson, Lisa Panet Klug, Wayne H. Bonner, Tony Morgan, Robert O.	1305	Newport Coast Archaeological Project Results of Data Recovery at the Pelican Hill Sites CA-ORA- 662 and CA-ORA-1203 VOLUME III: Appendices	1993	Laguna Beach	Within the City

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Gibson, and Patricia S					
Mason, Roger D., Brant A. Brechbiel, Clay A. Singer, Robert O. Gibson, Mark L. Peterson, Robert O. Gibson, and Paul E. Langewalter	1306	Newport Coast Archaeological Project Results of Data Recovery at Three Newport Coast Open Sites CA-ORA-673, CA-ORA-675, CA-ORA-684	1992	Laguna Beach	Within the City
Mason, Roger D., Brant A. Brechbiel, Clay A. Singer, Robert O. Gibson, Mark L. Peterson, Robert O. Gibson, and Paul E. Langewalter	1307	Newport Coast Archaeological Project Results of Data Recovery at the Golf Course Sites CA-ORA-660, CA-ORA-664, CA-ORA-665, CA-ORA-1231, and Results of Test Programs at CA-ORA-666, CA-ORA-1229, CA-ORA-1230, CA-ORA-1232. CA-ORA-1233, CA-ORA1234, and CA-ORA-...	1992	Laguna Beach	Within Subarea
Mason, Roger D. and Paul G. Chase	1319	Newport Coast Archaeological Project Results of Archaeological Grading Monitoring, Pelican Hill Tract No. 14065	1993	Laguna Beach	Within the City
Briuer, Frederick L.	1330	Report of the Intensive Archaeological Survey of the Irvine Coastal Region Priority Parcel #1	1977	Laguna Beach	Within Subarea

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Cottrell, Marie G., Kathleen Del Chario, Theodore Cooley, Joyce Clevenge r, Theo Mabry, and Christina Brewer	1338	CA-ORA-130: a Multi-Component Campsite Located on the Coastal Bluffs of the Southern California Coast	1983	Laguna Beach	Within the City
Demcak, Carol R. and Marie G. Cottrell	1339	Report of the Archaeological Investigations Performed in Association With the Upper Newport Bay Bike and Equestrian Trail	1985	Tustin	Within the City
Chace, Paul G.	1342	Redating the Buck Gully Site, Implications for Settlement Patterns	1971	Laguna Beach	Within the City
McKenna , Jeanette A. and Philip De Barros	1350	Archaeological Survey Report Historic Sites Addendum San Joaquin Hills Transportation Corridor 12-ORA-73 12-102540	1993	Laguna Beach, Tustin, Dana Point, San Juan Capistrano	Within the City
McKenna , Jeanette A. and Philip De Barros	1351	Historic Study Report San Joaquin Hills Transportation Corridor 12-ORA-73 12-102540	1993	Laguna Beach, Tustin, Dana Point, San Juan Capistrano	Within the City
Boxt, Matthew A. and Christeen M. Barretta	1360	Archaeological and Paleontological Assessment Surveys for the Proposed Costa Mesa/Newport Beach Pipe Line Route, Orange County, California	1992	Newport Beach	Within the City
Chace, Paul G. and John D. Cooper	1365	Newport Coast Archaeological Project: Results of Archaeological and Paleontological Grading Monitoring of Newport Coast Planning Area 2b-3, Tentative Tract No. 14721	1994	Laguna Beach	Within the City
Sampson, Michael P.	1366	Letter to Dr. Roger Mason, Director Archaeology Division the Keith Companies	1992	Laguna Beach	Within the City
Hayden, William E.	1370	A Cultural Resources Assessment Conducted at Newport Hills Dr., City of Newport Beach, Orange County, California	1994	Laguna Beach	Within the City
Mason, Roger D.	1380	Treatment Program for ORA-1358 in the MacArthur Segment, San Joaquin Hills Transportation Corridor Irvine, California Pursuant to 36 Cfr. 800.11	1994	Tustin	Within the City

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Rosenthal, Jane	1386	Final Report of Archaeological Monitoring - Parcel 2 Planning Area 26, Church of Latter Day Saints Facility	1994	Tustin	Within the City
Chace, Paul G. and John D. Cooper	1392	Newport Coast Archaeological Project: Results of Archaeological & Paleontological Monitoring for Grading Operations of the Buck Gully 66kv Installation & Access Roads, Newport Coast Planning Areas	1994	Laguna Beach	Within the City
Chace, Paul G. and John D. Cooper	1400	Newport Coast Archaeological Project: Results of Archaeological and Paleontological Monitoring for Grading Operations of Pelican Hill, Phases III-IV Improvements Tract No. 14065-2	1994	Laguna Beach	Within the City
Chace, Paul G. and John D. Cooper	1401	Newport Coast Archaeological Project: Results of Archaeological and Paleontological Monitoring for Grading Operations for the Pelican Hill Golf Course Entrance Project	1994	Laguna Beach	Within the City
Drover, Christopher E.	1411	A Cultural Resources Inventory Airtouch Signal Peak Cellular Antenna Site Laguna Beach 7.5' USGS Map, Corona Del Mar, California	1994	Laguna Beach	Within the City
Mason, Roger D. and Brant A. Brechbiel	1430	Newport Coast Archaeological Project: Cultural Resources Survey Report of Remaining Unsurveyed Areas in Tentative Tract 13337	1993	Laguna Beach	Within the City
Mason, Roger D. and Brant A. Brechbiel	1437	Newport Coast Archaeological Project: Results of Archaeological Grading Monitoring of the Newport Coast Golf Course	1993	Laguna Beach	Within Subarea
Sturm, Bradley L.	1438	Pacific Coast Highway Revegetation Project, Crystal Cove State Park, Orange County, California	1995	Laguna Beach	Within the City
Mason, Roger D. and Mark L. Peterson	1458	Newport Coast Settlement Systems: Analysis and Discussion	1994	Laguna Beach	Within the City
Mason, Roger D.	1461	Newport Coast Archaeological Project: Results of Data Recovery at CA-ORA-274 and CA-ORA-670	1994	Laguna Beach	Within the City
Cerreto, Richard	1462	Newport Coast Archaeological Project: Human Osteological Analysis Paleodietary Reconstruction	1994	Laguna Beach	Within the City
Rosenthal, Jane	1507	Archaeological and Paleontological Monitoring of Preliminary Grading for Irvine Spectrum 5, Phase 1a and 1c, Irvine, California	1995	El Toro	Within the City
Allen, Kathleen C.	1515	Archaeological Assessment of L.A. Cellular Site #686.10, Bonita Creek Park, Orange County, California	1995	Tustin	Within the City

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Strudwick, Ivan H., William McCawley, and Bradley Sturm	1531	Results of Archaeological Testing at Sites CA-ORA-167/1117 and CA-ORA-1461, for the MacArthur Boulevard Widening In the City of Newport Beach, Orange County, California	1995	Laguna Beach	Within the City
Chace, Paul G. and John D. Cooper	1559	Results of Archaeological and Paleontological Monitoring for the Mass Grading of Planning Area 1c, Phase 1, Tentative Tract 14367, Final Tract 15091	1995	Laguna Beach	Within the City
Brown, Joan C.	1565	Archaeological Monitoring During Grading of the Castaways Parcel, Located in Newport Beach, Orange County, California	1996	Newport Beach	Within the City
Knight, Albert	1578	Some Photographs of the 'Pelican Hill Project' 1988-1990	1995	Laguna Beach	Within the City
Strudwick, Ivan H.	1588	Results of Archaeological Testing at CA-ORA-616 Along Coyote Canyon in the San Joaquin Hills for Planning Areas 8/13, Orange County, California	1997	Laguna Beach	Within the City
De Barros, Philip and Henry C. Koerper	1605	(Duplicate of ORA-1133) Final Test Investigation Report and Request for Determination of Eligibility for 23 Sites Along the San Joaquin Hills Transportation Corridor	1990	Laguna Beach, Tustin, Dana Point, San Juan Capistrano	Within the City
Jertberg, Patricia R.	1606	Final Letter Report Archaeology and Historical Monitoring, Corona Del Mar Plaza, City of Newport Beach, California	1997	Laguna Beach	Within the City
Mason, Roger D.	1612	(Duplicate of ORA-1647) San Joaquin Hills Transportation Corridor: Results of Data Recovery at CA-ORA-1398, CA-ORA-1431, CA-ORA-1433, CA-ORA-1436, CA-ORA-1438	1997	Laguna Beach	Within the City
Drover, Christopher E.	1623	Cultural Resources Impact and Constraints Assessment Project Area Pa-27 Irvine, California	1997	Laguna Beach, Tustin	Within the City
Bissell, Ronald M.	1630	Cultural Resources Investigation and Monitoring of Grading for the Upper Castaways View Park, Newport Beach, Orange County, Ca.	1997	Newport Beach	Within the City
Drover, Christopher E.	1642	Archaeological Site Survey and Assessment Corporate Plaza- Phase One Newport Beach, California	1997	Laguna Beach	Within the City
Bonner, Wayne H., Stephen J. Bouscaren, Larry Carbone,	1649	Results of Data Recovery at CA-ORA-482 and CA-ORA-106: New Ford Road Project Irvine, California	1996	Tustin	Within the City

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Rovert O. Gibson, Lisa Flug, Roger D. Mason, Mark L. Peterson, and Virginia Popper					
Bonner, Wayne H., Stephen J. Bouscare n, Larry Carbone, Rovert O. Gibson, Lisa Flug, Roger D. Mason, Mark L. Peterson, and Virginia Popper	1650	San Joaquin Hills Transportation Corridor Results of Data Recovery at CA-ORA-125 and CA-ORA-1295	1997	Tustin	Within the City
Mason, Roger D., Wayne H. Bonner, Stephen J. Bouscare n, Larry Carbone, Robert O. Gibson, Lisa Klug, Mark L. Peterson, and Virginia Popper	1651	San Joaquin Transportation Corridor Results of Data Recovery at CA-ORA-206	1997	Tustin	Within the City

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Mason, Roger D, Stephen J. Bouscaren, Wayne H. Bonner, Mark L. Peterson, and Lisa Panet Klug	1653	Test Program Results and Request for Determination of Eligibility for Five Sites in the New Ford Road Alignment Irvine, California	1993	Tustin	Within the City
Mason, Roger D.	1689	Mitigation Monitoring Report New Ford Road, Orange County, California, Mitigation Measure 69.1: Monitoring for Prehistoric Resources	1995	Tustin	Within the City
Padon, Beth	1690	Archaeological Monitoring Report, University Research Park, Phase III, Irvine California	1998	Tustin	Within the City
Macko, Michael E.	1701	Upper Newport Bay Regional Park Archaeological Project - Data Recovery at CA-ORA-170, Orange County, California	1997	Newport Beach	Within the City
Goddard, Timothy A.	1702	Cultural Resources Reconnaissance for the Newport Dunes Hotel in Newport Beach, California	1998	Newport Beach	Within the City
Drover, Christopher E.	1705	Archaeological Site Survey and Assessment Corporate Plaza West, Newport Beach, California	1998	Newport Beach	Within the City
McLean, Deborah K.	1706	Archaeological Assessment for Pacific Bell Mobile Services Telecommunications Facility CM 352-03, 2046 Mar Vista Drive, City of Newport Beach, County of Orange, California	1998	Newport Beach	Within the City
Bissell, Ronald M.	1711	Project Area 27 in Irvine, Orange County, California	1998	Laguna Beach, Tustin	Within the City
Drover, Christopher E.	1714	(Duplicate of OR-2065) A Cultural Resources Inventory for an 800 Acre Conceptual Lotting Plan in Planning Area 27, Irvine, California	1998	Laguna Beach, Tustin	Within the City
unknown	1715	Data Recovery Plan Prehistoric Archaeological Sites CA-ORA-106 and CA-ORA-482 Within the Area of Potential Effect of the Proposed New Ford Road	1993	Tustin	Within the City
Mason, Roger D.	1716	Treatment Plan Prehistoric Archaeological Sites Discovered During Constructions of the San Joaquin Hills Transportation Corridor (12-ORA-73, 12-102540), Orange County, California	1994	Laguna Beach, Tustin	Within the City
Mason, Roger D. and Brant A. Brechbiel	1717	San Joaquin Hills Transportation Corridor Results of Construction Monitoring for Archaeological Resources Mitigation Monitoring Measures 11-1	1997	Laguna Beach, Tustin, Dana Point, San Juan Capistrano	Within the City

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Strudwick, Ivan H.	1718	Cultural Resource Survey of the "Morro Silver" Approximately 35 Acres East of Signal Park in the San Joaquin Hills, Orange County, California	1998	Laguna Beach	Within the City
unknown	1731	Index to the Artifacts Collected During the Second Part of the WPA Project	1961	Laguna Beach, Newport Beach, Tustin	Within the City
Brown, Joan C.	1733	Archaeological Monitoring During Excavation for the Green Acres Phase II Project Pipeline Extension Into Newport Beach (contract ga-97-1)	1998	Newport Beach, Tustin	Within the City
Brechbiel, Brant A.	1762	Cultural Resources Records Search and Literature Review Report for a Pacific Bell Mobile Services Telecommunications Facility: Cm 333-01, in the City of Newport Beach, CA	1998	Newport Beach	Within the City
Strudwick, Ivan H.	1823	Results of Archaeological Testing at CA-ORA-1492 in the San Joaquin Hills Near Los Trancos Canyon Orange County	1998	Laguna Beach	Within the City
Demcak, Carol R.	1824	Final Report of Archaeological Monitoring for L.A. Cellular Site #556.1, South Orange County, California	1996	Laguna Beach	Within the City
Cooper, John D. and Chace, Paul G.	1825	Newport Coast Archaeological Project: Results of Archaeological and Paleontological Monitoring for Grading Operating of Portions of Newport Ridge, Tract No. 14509, Tentative Tract No. 13455	1994	Laguna Beach	Within Subarea
Chace, Paul G.	1827	'...of the Old Summer Fishing Camp'-- the Archaeological Heritage of ORA-1429, Los Trancos Canyon, Crystal Cove State Park, the Pacific Coast Highway- System 47 Site, Orange County, California	1995	Laguna Beach	Within the City
Chace, Paul G.	1828	A Cultural/Scientific Resources Survey for the Irvine Planning Area 26, Bonita Canyon- Coyote Canyon, Zone Change 18903-zc, in the City of Irvine, Orange County, California	1995	Laguna Beach, Tustin	Within Subarea
Macko, Michael E.	1834	Results of Implementing Mitigation Measures Specified in the Operation Plan and Research Design for the Proposed Newporter North Residential Development at ORA-64	1998	Newport Beach	Within the City
Bissell, Ronald M.	1904	Test Excavation of a Portion of CA-ORA-48, Newport Beach, Orange County, California	1990	Newport Beach	Within the City
Romani, John F.	1905	(Duplication of ORA-643) Archaeological Survey Report for the ORA-5 Corridor (pm 0.0/t4.22) 07207-492201	1982	Newport Beach	Within the City
Padon, Beth and William Breece	1907	The Results of an Archaeological Reconnaissance of the Proposed Hoag Hospital Expansion Project Site Newport Beach, Orange County, California	1989	Newport Beach	Within the City
McLean, Deborah K.	1908	Letter Report for Completion of Monitoring for Macarthur Boulevard Widening- Segment 2 Project, San Joaquin Hills Road to Ford Road, City of Newport Beach, Orange County, California	1998	Newport Beach, Tustin	Within the City

Author	Ref. # (OR-)	Report Title	Date	USGS Quad	Loca-tion
Gibson, R.O. and C.D, King	1938	Preliminary Analysis of Beads, Ornaments and Fishhooks From 25 Orange County Sites	1991	Laguna Beach, Tustin	Within the City
Steele, K.D.	1951	Historic Property Survey 07-ORA-55, Pm 0.0/t4.22, Costa Mesa and Newport Beach, Orange County, California	1982	Newport Beach	Within the City
unknown	1952	Historic Property Survey Report, Route 73 and I-405 Improvements From Birch Street to I-405, From Bear Street to Euclid Street	1996	Newport Beach, Tustin	Within the City
Rosenthal, Jane	1953	LSA Letter Report Re: CA-ORA-48, December 1990	1990	Newport Beach	Within the City
Duke, Curt	1985	Cultural Resource Assessment for Pacific Bell Mobile Services Facility Cm 482-05, Orange County, California	1999	Tustin	Within the City
Drover, Christopher E. and David Smith	2012	Cultural Resources Inventory, Office Building and Parking Structure, Civic Plaza, Newport Beach, California	1998	Newport Beach	Within the City
unknown	2016	Newporter North Archaeology Phase I Report	1977	Newport Beach	Within the City
Mason, Roger D.	2022	Test Plan for National Register Evaluation of Archaeological Sites on the Coyote Canyon Sanitary Landfill Property, Orange County, California	1987	Laguna Beach	Within Subarea
Duke, Curt	2060	Cultural Resource Assessment of the AT&T Wireless Services Facility Number R129, County Of Orange, California	1999	Tustin	Within the City
Bonner, Wayne H.,	2116	Cultural Resources Records Search and Literature Review for the Zwerling Property, Located Within the City of Corona Del Mar, Orange County	2000	Laguna Beach	Within the City
Demcak, Carol and Milos Velechovsky	2120	Final Report on Archaeological and Paleontological Monitoring Program Conducted at the Pelican Hill Project Site, Orange County	2000	Laguna Beach	Within the City
Duke, Curt	2123	Cultural Resource Assessment for Pacific Bell Mobile Services Facility Cm 486-01, County of Orange	1999	Laguna Beach	Within the City
Duke, Curt	2124	Cultural Resource Assessment for Pacific Bell Mobile Services Facility Cm 539-21, County of Orange	2000	Laguna Beach	Within the City
Drover, Christopher E.	2129	A Cultural Resources Inventory for the Newport Banning Ranch, City of Newport Beach, Orange County	1999	Newport Beach	Within the City
Duke, Curt amd Steven Conkling	2130	Results of the Cultural Resource Assessment, Native American Consultation and Extended Subsurface Assessment for Pacific Bell Mobile Services, Cm 481-01, in the City of Newport Beach, Orange County	1999	Newport Beach	Within the City

Author	Ref. # (OR-)	Report Title	Date	USGS Quad	Loca-tion
Duke, Curt	2139	Cultural Resource Assessment for At&T Wireless Services Facility Number C830.1, County of Orange	2000	Newport Beach	Within the City
Hale, Alice	2153	Archaeological Monitoring at the Capistrano Valley Water District at Camino Capistrano and La Zanja Street, San Juan Capistrano	2000	San Juan Capistrano	Within the City
Miller, John	2222	Archaeological Monitoring for John Laing Homes Project at 900 Seal Lane, Corona Del Mar, CA	2000	Laguna Beach	Within the City
Lapin, Philippe	2223	Negative Historic Property Survey Report: Route 12-ORA-1	2000	Laguna Beach	Within the City
Bissell, Ronald M.	2228	Cultural Resources Reconnaissance of the East Addition Parking Structure, Hoag Memorial Hospital, Newport Beach, Orange County, California	2000	Newport Beach	Within the City
Padon, Beth	2231	Results for Phase I Archaeological Resources Study at the Newport Technology Center Project, Orange County	2001	Newport Beach	Within the City
Lapin, Philippe	2238	Cultural Resource Assessment for Pacific Bell Mobile Services Facility Cm 299-01, County of Orange, CA	2000	Tustin	Within the City
Demcak, Carol R.	2256	Cultural Resources Assessments for Orange County Sanitation Districts	1999	Newport Beach, Tustin,	Within the City
Delu, Antonina and Wallock, Nicole	2262	Results of Archaeological Salvage and Monitoring Activities for Planning Area 22, Tract 15585, in the Newport Ridge Area, Unincorporated County of Orange, CA	2000	Laguna Beach, Tustin	Within the City
Duke, Curt	2275	Cultural Resource Assessment for At&T Fixed Wireless Services Facility Number LA-471-a, County of Orange, CA	2000	Anaheim	Within the City
Avina, Mike	2301	Monitoring Report for Xo California Builds - 1920 Maple Ave, El Segundo, California, and 4000 Macarthur Blvd., Newport Beach, California	2001	Tustin, Venice	Within the City
Duke, Curt	3227	Cultural Resource Assessment- Cingular Wireless Facility No. Sc 031-01, Orange County, California	2001	Laguna Beach	Within the City
McKenna, Jeanette A.	2348	Review of Cultural Resource Assessment/Evaluation for Cingular Wireless Site Cm-299-04, Orange County, California	2001	Tustin	Within the City
McKenna, Jeanette A.	2372	A Phase 1 Cultural Resources Investigation of the Bayview Landing Project Area, Newport Beach, Orange County, California	2001	Newport Beach	Within the City
Bissell, Ronald M.	2393	Cultural Resource Reconnaissance and Impact Analysis Related to Property Near the Bonita Reservoir, Irvine, Orange County, California	1998	Tustin	Within the City
Duke, Curt	2422	Cultural Resource Assessment Cingular Wireless Facility No. Sc 060-01 Orange County, California	2001	San Juan Capistrano	Within the City
Peterson, Mark L.	2449	Bonita Mesa Archaeological Project: the Intermediate: a Non-Traditional Approach to a Revised Interpretation of Human Settlement Systems of the Newport Bay and San Joaquin Hills	2000	Tustin	Within the City

Author	Ref. # (OR-)	Report Title	Date	USGS Quad	Loca-tion
		Region of Orange County, California			
Peterson, Mark L.	2450	Bonita Mesa Archaeological Project: the Intermediate: a Non-Traditional Approach to a Revised Interpretation of Human Settlement Systems of the Newport Bay and San Joaquin Hills Region of Orange County, California	2000	Tustin	Within the City
Bonner, Wayne H., Steven L. Martin, Virginia S. Popper, Lisa Klug, and Richard W. Huddleston	2481	Bonita Mesa Archaeological Project: the Intermediate Volume III	2000	Tustin	Within the City
Tores, John H.	2482	Bonita Mesa Archaeological Project: the Intermediate Volume IV	2001	Tustin	Within the City
Love, Bruce	2486	Historical/Archaeological Resources Survey Report Poseidon Seawater Desalination Plant Pump Station Site Near the City of Newport Beach Orange County, California	2002	Tustin	Within the City
Thane, Michael D.	2494	Proposed Sheraton Rooftop Site 4701 Von Karman Avenue Newport Beach, Orange County, California	2001	Tustin	Within the City
unknown	2534	Annual Report to the Irvine Company from Archaeological Research, Inc.	1976	Tustin, Laguna Beach, Orange, San Juan Capistrano, Black Star Canyon	Within the City
Crabtree, Robert H.	2535	Project Interhope Inc. and Golden Construction Company Residential Development	1973	Newport Beach	Within Subarea
Crabtree, Robert H.	2536	Harborview Hills Development, Section 3 and 4, Sites 11, 13, and 14	1973	Laguna Beach	Within the City
Duke, Curt	2543	Cultural Resources Assessment At&T Wireless Services Facility No. 13240a Orange County, California	2002	Laguna Beach	Within the City
Duke, Curt	2552	Cultural Resources Assessment At&T Wireless Services Facility No. 13066a Orange County, California	2002	Newport Beach	Within the City
unknown	2570	Final Salvage Report: Data Compendium Archaeological Resources of the Irvine Coast CA-	1990	Laguna Beach	Within the City

Author	Ref. # (OR-)	Report Title	Date	USGS Quad	Loca-tion
		ORA-664 (golf course)			
unknown	2571	Final Salvage Report: Data Compendium Archaeological Resources of the Irvine Coast CA-ORA-660 (Crystal Shores)	1990	Laguna Beach	Within the City
Cottrell, Marie G.	2600	Archaeological Research, Inc. Quarterly Report	1975	Laguna Beach, Newport Beach, Tustin, El Toro	Within the City
Pletka, Nicole	2629	Results of Archaeological Monitoring the Bluffs Retain Center Newport Beach, Orange County, California	2003	Tustin	Within the City
Duke, Curt	2631	Cultural Resource Assessment Cingular Wireless Facility No. Sc 026-02 Orange County, California	2001	Laguna Beach	Within the City
McLean, Deborah K.	2632	Archaeological Monitoring Report for the Irvine Avenue Water Main Project in the City of Newport Beach, Orange County, California	2003	Newport Beach	Within the City
unknown	2675	Testing and Evaluation of CA-ORA-1098 Bayview Senior Housing and Park Project Newport Beach, Orange County, California	2003	Newport Beach	Within the City
McLean, Deborah K.	2880	Results of the Cultural Resources Monitoring for the San Diego Creek North/Fletcher Jones Motor Cars Project. City of Newport Beach, Orange County, California	1997	Tustin	Within the City
Thal, Sean	2886	CA-8732b/Shockey II 17683 Lakeview Avenue, Yorba Linda, CA Orange County	2004	Yorba Linda	Within the City
Mason, Roger D.	2956	Cultural Resources Survey Report for a Verizon Telecommunications Facility: Sage Hill Located in Newport Beach Orange County, California	2005	Laguna Beach	Within the City
Mason, Roger D.	2957	Cultural Resources Survey Report for a Verizon Telecommunications Facility: Saint Laurent Located in Newport Beach Orange County, California	2005	Laguna Beach	Within the City
Kyle, Carolyn E.	2958	Cultural Resources Assessment for At&T Wireless Facility 950-013-239d Located at 21693 San Joaquin Hills Road City of Newport Beach Orange County, California	2005	Laguna Beach	Within the City
Duke, Curt	2960	Cultural Resource Assessment At&T Wireless Services Facility No. 13238a Orange County, California	2002	Laguna Beach	Within the City
Macko, Michael E. and Mason, Roger D.	2966	Cultural Resources Survey Report Pacific Coast Highway Widening Project Between Corona Del Mar and Muddy Canyon	1989	Laguna Beach	Within the City
Mason, Roger D.	2971	Results of Stage II Mitigation of Impacts at Archaeological Site ORA-323 in Crystal Cove State Park Near Muddy Canyon Orange County, California	1993	Laguna Beach	Within the City

Author	Ref. # (OR-)	Report Title	Date	USGS Quad	Loca-tion
Mason, Roger D. and Mark L. Peterson	2972	Newport Coast Archaeological Project Newport Coast Settlement Systems: Summary and Discussion Volume II: Technical Appendices	1994	Laguna Beach	Within the City
Smith, David M. and Christopher E. Drover	2973	An Evaluation of CA-ORA-1511: A Prehistoric Site Discovered During Grading Monitoring at Crystal Cove Orange County, California	2004	Laguna Beach	Within the City
Chace, Paul G., Cooper, John D., and Reeves, Charles E.	2974	Results of Archaeological and Paleontological Monitoring Ridge Park Road Irvine Coast Assessment District 88-1 County of Orange Job Number 12612	1996	Laguna Beach	Within the City
unknown	2975	Newport Coast Archaeological Project: Catalog of Artifacts Recovered From the Test Program the Data Recovery Program and the Construction Monitoring Program at CA-ORA-246 in Crystal Cove State Park	unknown	Laguna Beach	Within the City
unknown	2977	Results of Cultural Resources Monitoring, Macarthur Boulevard Widening Project, City of Newport Beach, Orange County, California	1997	Laguna Beach	Within the City
Sikes, Nancy E.	1980	Cultural Resource Reconnaissance and Monitoring of Underground Cable Installation Along Highway 19 (Pacific Coast Highway), Newport Beach, Orange County, California	2003	Laguna Beach	Within the City
Smith, Brooks R. and Buffington, Kevin S.	2981	Results of Archaeological Resource Mitigation Monitoring for Beachtown II Lower Custom and Merchant Builder Grading Portion of Tentative Tract 15586 Crystal Cove Area Orange County, California	2003	Laguna Beach	Within the City
Smith, Brooks R. and Buffington, Kevin S.	2982	Results of Archaeological Resource Mitigation Monitoring for Wishbone Ridge Emergency Access Road	2003	Laguna Beach	Within the City
Smith, Brooks R., William A. Sawyer, and Kevin Buffington	2983	Results of Archaeological Resource Mitigation Monitoring for Planning Areas 4a and 4b, Phase I Lower Custom and Merchant Builder Grading Tract 15981 and Tentative Tract 15613 Crystal Cove Area Orange County, California	2003	Laguna Beach	Within the City

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n					
Baker, Charles	2984	Historic Property Survey Report Crystal Cove Cease and Desist Project 12-ORA-1 Kp 19.5-21.6 (pm 12.1-13.4) ea 0c3800	2003	Laguna Beach	Within the City
Duke, Curt	2994	Cultural Resource Assessment Cingular Wireless Facility No. Sc 037-02 Orange County, California	2002	Laguna Beach	Within the City
Eberhart, Hal	2995	Letters Regarding Permission to Excavate Irvine Company Site, ORA-232 (French Flat)	1970	Laguna Beach	Within the City
Shaver, Noelle C.S.	2997	Final Cultural Resources Mitigation Monitoring Report for the Crystal Cove Cease and Desist Order Project, State Route 1, Laguna Beach, California	2005	Laguna Beach	Within the City
Carver, Larrynn	2998	Moro Canyon Re-Recording Project Crystal Cove State Park, Orange County, California	2003	Laguna Beach	Within the City
Billat, Lorna	2999	Nextel Communications Wireless Telecommunications Service Facility-Orange County	2000	Newport Beach	Within the City
Fulton, Terri	3001	Cultural Resource Assessment for Verizon Wireless Balboa Island Facility Cyg530 City of Newport Beach, Orange County, California	2005	Newport Beach	Within the City
Duke, Curt	3004	Cultural Resource Assessment At&T Wireless Services Facility No. 13060a, Orange County, California	2002	Newport Beach	Within the City
Demcak, Carol R.	3007	Report of Archaeological Resources Assessment for Placentia Avenue Reconstruction Project, City of Costa Mesa, Orange County, California	2002	Newport Beach	Within the City
Duke, Curt	3009	Cultural Resource Assessment At&T Wireless Services Facility No. 13222a, Orange County, California	2002	Newport Beach	Within the City
Carver, Larrynn	3061	Coastal Midden Protection and Preservation Program Crystal Cove State Park, Orange County, California	2003	Laguna Beach	Within the City
Drover, Christopher E. and David Smith	3077	Research Design Outline for an Archaeological Test Evaluation of Five Sites on the Newport Banning Ranch Property, Newport Beach, California	2000	Newport Beach	Within the City
Hatheway, Roger G.	3230	Buffalo Ranch a Determination of Eligibility/Significance Report and Impact/Mitigation Analysis for the Ford Road Realignment Eir	1991	Tustin	Within the City
Scott, Kim and Brodie, Julie Scrivner	3233	Cultural Resources Monitoring Report for the Moffett Meadows Project City of Irvine, California	2005	Tustin	Within the City
Shepard, Richard	3254	Cultural Constraints Assessment: Modifications to San Diego Creek Channel (f05), Irvine and	2003	Tustin	Within the City

Author	Ref. # (OR-)	Report Title	Date	USGS Quad	Loca-tion
S.		Newport Beach, Orange County, California			
Cerrero, Richard and Gallegos, Dennis R.	3275	Cultural Resource Survey Report for the Irvine Ranch Water District, San Joaquin Reservoir Project Orange County, California	2000	Tustin, Laguna Beach	Within the City
Mason, Roger D.	3286	Cultural Resources Records Search and Field Survey Report for a Verizon Telecommunications Facility: Bi Canyon in the City of Newport Beach Orange County, California	2003	Newport Beach, Tustin	Within the City
McLean, Deborah K.	3288	The City of Newport Beach IV Reforestation and Irrigation Project	2001	Laguna Beach, Newport Beach	Within the City
Drover, Christopher E., Bonner, Wayne, McCarthy, Daniel and David Smith	3294	Testing and Evaluation of CA-ORA-269 and CA-ORA1485, Planning Area 27, Irvine, California	2001	Laguna Beach, Tustin	Within the City
Delu, Antonina and Smith, Brooks	3325	Cultural Resources Mitigation Monitoring Report, Saint Mark Presbyterian Church Project, City of Newport Beach, Orange County, California	2006	Laguna Beach	Within the City
Baker, Charles	3329	Restore a Slope Along State Route 1 (Pacific Coast Highway) Within Crystal Cove State Park, in Orange County, California	2005	Laguna Beach	Within the City
McLean, Roderic, Ivan H. Strudwick, Brooks Smith, William "Tony" Sawyer, and Phil Fulton	3342	Results of Archaeological Monitoring Bayview Park/Bayview Senior Affordable Housing Project, City of Newport Beach, Orange County, California	2004	Newport Beach	Within the City
Scriopoli, Cheryl	3372	The Relinquishment of a Segment of State Route 1 (pch) to the City of Newport Beach From Jamboree Road to Newport Coast Drive, in the City of Newport Beach, Orange County, California	2003	Laguna Beach, Newport Beach	Within the City

Author	Ref. # (OR-)	Report Title	Date	USGS Quad	Loca-tion
Bonner, Wayne H.	3387	Cultural Resources Records Search and Site Visit Results for Royal Street Communications, Llc Candidate La2773a (our Lady of Mt. Carmel Church), 1441 West Balboa Boulevard, Newport Beach, Orange County, California	2007	Newport Beach	Within the City
Delu, Antonina and Brooks Smith	3399	Cultural Resources Mitigation Monitoring Report Villa Del Lago Project City of Newport Beach, Orange County, California	2007	Laguna Beach	Within the City
Bonner, Wayne H.	3440	Cultural Resource Records Search Results and Site Visit for T-Mobile Candidate La02934b (sce San Joaquin Hills Road), South of San Joaquin Hills Road, East of Spyglass Hills Road, Newport Beach, Orange County, California	2006	Laguna Beach	Within the City
Wood, Catherine M.	3502	Archaeological Survey Report San Diego Creek (facility F05) Upper Newport Bay to I-405 Freeway Programmatic Maintenance Project, Orange County, California	2007	Tustin	Within the City
Johnson, Brent	3503	Cultural Resources Records Search for Royal Street Communications, LLC, LA2793/Marriott Vacation Club, 23000 Newport Coast Drive, Newport Beach, California Ebi Project # - 31073125	2007	Laguna Beach	Within the City
Strudwick, Ivan H. and Riordan L. Goodwin	3535	Cultural Resource Assessment Survey, For the 403-Acre Banning Ranch Property, City of Newport Beach, Orange County, California	2008	Newport Beach	Within the City
Bonner, Wayne H.	3543	Cultural Resources Record Search and Site Visit Results for T-Mobile Candidate LA02869D (Newport Mariners Park), Irvine Avenue and Dover Street, Newport, Orange County, California	2008	Newport Beach	Within the City
unknown	3544	Historic American Building Survey, South Coast Shipyard, Newport Bay Marina	2009	Newport Beach	Within the City
Wlodarski, Robert J.	3558	Record Search and Field Reconnaissance for Proposed At&T Wireless Telecommunications Site LAR 129, Temple Bat Yahm	2009	Tustin	Within the City
Bonner, Wayne H.	3567	Cultural Resources Records Search and Cite Visit Results for AT&T Mobility, LLC, Candidate OC0073 (Pelican Hill Resort- Locations 1A, 1B, 2, 3, 4A, 4B, and 5), 22872 Pelican Hill Road South, Newport Beach, Orange County, California	2008	Laguna Beach	Within Subarea
Murray, J.R. and D.M. Van Horn	3577	Archaeological Survey Report: Limited Posthole Tests at ORA-839, Located in the Mobil Oil Field Adjacent to Costa Mesa, Orange County, California	1980	Newport Beach	Within the City
Van Horn, David M.	3578	Test Excavation Report: ORA-845 (ACE-SAR-8) Located on the Banning Oil Lease, Newport Beach, California	19981	Newport Beach	Within the City

Author	Ref. # (OR-)	Report Title	Date	USGS Quad	Loca-tion
Van Horn, David M. and J.P. Brock	3579	Archaeological Posthole Testing Report: ORA-148, on Mobil Oil Land, near Costa Mesa, Orange County, California	1980	Newport Beach	Within the City
Colqueho un, Carole	3580	Archaeological Survey Report: Mobile Oil Land, Near Costa Mesa, in the County of Orange, CA- Includes Addendum	1979	Newport Beach	Within the City
Van Horn, David M.	3581	Initial Archaeological Test Excavations at ORA-839 on the Banning Oil Lease Near Newport Beach, California (Includes Addendum)	1980	Newport Beach	Within the City
Wlodarski, Robert J.	3584	Field Reconnaissance for Proposed Bechtel Wireless Telecommunications Site LA3031, Harbor Church and School, Newport Beach, CA	2009	Newport Beach	Within the City
Schlesinger, Mike	3604	An Archaeological Test Evaluation of Eight Sites on the Newport Banning Ranch Property, Newport Beach, California	2000	Newport Beach	Within the City
Desautels, Roger J.	3608	Scientific Coordination Report, June 21, 1973 Through September 30, 1973	1973	Newport Beach	Within the City
McKenna, Jeanette A.	3616	Negative Archaeological Survey Report to Construct a New Oc-9 (21 Inch) Transmission Pipeline Within the Existing Newlad Street Right-of-Way, Extending From Edinger Ave and Yorktown Ave; and a New 12 Inch Distribution Main Between Warner Ave. and Heil Ave.	2004	Newport Beach	Within the City
Gust, Sherri	3619	Archaeological and Paleontological Evaluation Report and Mitigation Plan, Newport Boulevard Right-Turn Lane Addition at Hospital Road, Newport Beach, California	2004	Newport Beach	Within the City
Mason, Roger D.	3623	Cultural Resources Survey Report for a Verizon Telecommunications Facility: Galaxy Located in Newport Beach, Orange County, California	2005	Newport Beach	Within the City
Brown, Joan C.	3626	Cultural Resources Monitoring for the Hoag Memorial Hospital Presbyterian Central Plant (Cogen Building), City of Newport Beach, Orange County, California	2004	Newport Beach	Within the City
McLean, Deborah K.	3646	Results of Archaeological and Paleontological Monitoring for the Bonita Canyon Sports Park Project in the City of Newport Beach, Orange County, California	2001	Newport Beach, Laguna Beach, Tustin	Within the City
Marvin, Judith and Shannon Carmack	3709	Historical Resource Assessment The South Coast Shipyard City of Newport Beach Orange County, California	2005	Newport Beach	Within the City
McKenna, Jeanette A.	3710	Seashore Village, Orange County, California	2007	Newport Beach	Within the City
Hollins, Jeremy	3771	Verizon Cellular Communications Tower Site - Balboa Inn, 105 Main Street (APN: 048-135-07), Newport Beach, CA 92661	2009	Newport Beach	Within the City

Author	Ref. # (OR-)	Report Title	Date	USGS Quad	Loca-tion
Brown, Joan C. and Patrick Maxon	3842	Phase I Cultural Resources Assessment for the Poseidon Seawater Desalination Project, Huntington Beach, Orange County, California	2010	Newport Beach, Tustin	Within the City
McLean, Deborah K.	3868	Archaeological Assessment Report for the Newport Beach City Hall and Park Development Plan Project, City of Newport Beach, Orange County, California	2009	Laguna Beach	Within the City
Billat, Lorna	3904	Collocation Submission Packet- AT&T Switch, CA-ORC0516A	2010	Tustin	Within the City
McKenna, Jeanette A.	3913	Archaeological Records Search, Corona Del Mar High School, Orange County, California	2010	Newport Beach, Tustin	Within the City
Billat, Lorna	3951	Macarthur Substation, CA-ORC5097A- New Tower Submission Packet	2010	Tustin	Within the City
McKenna, Jeanette	3957	Mariner's Point, Newport Beach, California	2011	Newport Beach	Within the City
Kim, Steve	3972	Proposed Federal Aviation Administration (FAA) Airport Surface Detection Equipment, Model X (ASDE-X) System to Serve John-Wayne - Orange County Airport (SNA), Santa Ana, California	2007	Newport Beach, Laguna Beach, Tustin	Within the City
Deering, Mark and Roger D. Mason	3989	Cultural Resources Documentation and Monitoring of Southern California Edison Access Roads During Maintenance by the Orange County Fire Authority, 2010 Orange County, California	2011	Laguna Beach & Tustin	Within the City
Deering, Mark and Roger D. Mason	4029	Cultural Resources Monitoring of Southern California Edison Access Roads Maintained by Orange County Fire Authority, Orange County, California (JPA E6088-0031; I.O. 305869)	2010	Laguna Beach & Tustin	Within the City
Johnson, Brent	4038	Cultural Resources Records Search and Site Survey for Royal Street Communications, LLC LA2508B/2043 Westcliff Drive, Newport Beach, California 92660 Paratus Project No. 08-101.003	2008	Newport Beach	Within the City
Pletka, Nicole	4083	Late Holocene Gabrielino Settlement Patterns in the Newport Coast Area of California: A Geographic Information Systems Based Approach	2005	Laguna Beach	Within the City
Fulton, Phil	4103	Finding of Effect for the Route 73 Basin Sedimentation Project, Orange County, California	2009	Laguna Beach, Newport Beach, Tustin	Within the City
Pettus, Roy, Alexa Clausen, and Michael Sampson	4126	Historic Property Survey Report/Determination of Eligibility and Finding of no Adverse Effect for El Morro Conversion Project, Crystal Cove State Park, Orange County, California	2004	Laguna Beach	Within the City
Supernowicz, Dana	4160	Cultural Resources Study of the Newport/Balboa Project, AT&T Site No. LAC448, 3333 Pacific Coast Highway, Newport Beach, Orange County, California 92663	2011	Newport Beach	Within the City

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Wlodarski, Robert J.	4163	LA3031-Harbor Church and School, 798 Dover Drive Newport Beach, CA 92663	2011	Newport Beach	Within the City
Bonner, Wayne	4180	Cultural Resources Records Search and Site Visit Results for Verizon Wireless Candidate St. Laurent, 22183 Newport Coast Drive, Newport Beach, Orange County, California	2011	Laguna Beach	Within the City
Maxon, Patrick	4187	Phase I Cultural Resources Assessment, Orange Coast College Project, Newport Beach, Orange County, California	2010	Newport Beach	Within the City
Duke, Curt	4197	Cultural Resources Assessment for Wireless Telecommunications Facility Number, 2CA60023, Galaxy Newport Beach, Orange County Mobility	2011	Newport Beach	Within the City
Farrar, Corice	4214	U.S. Army Corps of Engineers, 1913 East Bay Avenue Seawall Replacement Project, Newport Beach, Orange County	2012	Newport Beach	Within the City
Supernowicz, Dana	4222	Architectural Evaluation Report of the Westcliff Drive Project, AT&T Mobility Site no. OC0324, 2043 Westcliff Drive, Newport Beach, Orange County, California	2011	Newport Beach	Within the City
Supernowicz, Dana	4238	Cultural Resources Study of the Balboa Inn Project, Metropics California, LLC Site No. MLA04249, 105 Main St Newport Beach, Orange County, California	2012	Newport Beach	Within the City
Supernowicz, Dana	4239	Archaeological Survey Report of the Newport/Balboa Project, AT&T Site No, LAC448, 3333 Pacific Coast Highway, Newport Beach, Orange County, California	2012	Newport Beach	Within the City
Supernowicz, Dana	4241	Archaeological Survey Report of the Westcliff Drive Project, AT&T Mobility Site no. OC0324, 2043 Westcliff Drive, Newport Beach, Orange County, California	2012	Newport Beach	Within the City
Maxon, Patrick	4274	Draft Environmental Impact Report Sunset Ridge Park Project, Sch. No 2009051036 Volume I	2009	Newport Beach	Within the City

Author	Report Number (OR-)	Report Title	Date	USGS Quad	Location
Crabtree, Robert H.	11	Harborview Hills Development, Section 3 and 4, Sites 11, 13, and 14	1973	Laguna Beach, Tustin	Within the City
Gordon, James R.	17	Replacement of the Existing Upper Newport Bay Bridge on the Pacific Coast Highway, State Route 1, in the City of Newport Beach, Orange County With a New 6-Lane Structure	1975	Newport Beach	Within the City
Rosen, Martin D.	18	Addendum to the Archaeological Consideration Aspect of the Draft Environmental Impact Statement (number Fhwa-CA-eis-75-02-d) Concerning the Replacement of the Existing Upper Newport Bay Bridge on the Pacific Coast Highway, State Route 1, in the City of Newport Beach	1975	Newport Beach	Within the City
Desautels, Roger J.	33	Archaeological Survey Report on the One-half of Lot 81, Tact 371, Located at the Southwesterly Corner of Mesa Drive, Newport Beach, Orange County, California	1975	Newport Beach	Within the City
unknown	46	Newporter North Archaeology Draft Report on Limited Testing	1977	Newport Beach	Within the City
Desautels, Roger J.	167	Archaeological Survey Report on Lot 29-Tract 224 Located in the Costa Mesa Area of Orange County	1977	Newport Beach	Within the City
Desautels, Roger J.	193	Archaeological Test Report on a 2.7 Acre Parcel of Land Located in the Newport Beach Area of the County of Orange	1977	Newport Beach	Within the City
Desautels, Roger J.	197	Archaeological Survey Report on Approximately 3/4 of an Acre Located on Santa Ana Avenue South of Orchard Drive, Upper Newport Bay Area, County of Orange	1977	Newport Beach	Within the City
Van Horn, David M.	204	Archaeological Survey Report for the Proposed Jamboree Pump Station and Jamboree Truck Project Near Newport Beach, California	1978	Newport Beach	Within the City
Van Horn, David M., W.D. McCawley, and J. R. Murray	205	Excavations At: the Glassell Site, ORA-168 in Newport Beach	1978	Newport Beach	Within the City
Cottrell, Marie G.	235	Report of Preliminary Archaeological Survey Conducted for the San Joaquin Hills Transportation Corridor	1978	Laguna Beach, Tustin	Within the City
Breece,	236	Project Maps Only Negative Declarations by	1978	Newport	Within

Author	Report Number (OR-)	Report Title	Date	USGS Quad	Location
William H.		Westec Services in Orange County		Beach	the City
unknown	242	Archaeological Test Report on Tt No. 10272, Site Ora 357, Located in the Newport Mesa Area of the County of Orange	1978	Newport Beach	Within the City
Desautels, Roger J.	252	Cultural Resources Report- Preliminary Assessment on the Proposed San Diego Creek Watershed Erosion and Sedimentary Control System in Hicks Canyon, Hicks Canyon Wash, Rattlesnake Creek Wash, San Diego Creek, and the San Joaquin Marsh Located in Orange County	1978	Tustin, El Toro	Within the City
Whitney-Desautels, Nancy A.	254	Archaeological Report on the Aliso Creek Specific Plan-planning Unit 1 Located in the El Toro and Laguna Hills Area of the County of Orange	1977	El Toro, San Juan Capistrano	Within the City
Desautels, Roger J.	258	Archaeological Survey Report on Tentative Tract No. 10272 Located in the Costa Mesa Area of the County of Orange	1978	Newport Beach	Within the City
Leonard, Nelson N. III and Mathew C. Hall	270	Description and Evaluation of Cultural Resources Within the US Army Corps of Engineer Santa Ana River Project	1975	Newport Beach, Orange, Anaheim, El Toro, Black Star Canyon, Prado Dam	Within the City
Whitney, Nancy A., Lee Di Gregorio, and Roger J. Desautels	273	Archaeological Report: Surface Collection/index Sample- (spiller Property) on Site CA_ORA-174, the Spiller Property, Located in the Santa Ana Heights Area of the County of Orange	1978	Newport Beach	Within the City
Cottrell, Marie G., David Van Horn, and Allen Schilz	282	Report of Archaeological Test Level Investigations Conducted at Sites CA-ORA-483 and CA-ORA-106	1979	Tustin	Within the City
Van Horn, David M.	297	Archaeological Test Excavations at ORA-227, 275, 619, 620 in the Coyote Canyon Refuse Disposal Station, County of Orange, California	1977	Laguna Beach	Within the City
Schroth, Adella	305	The History of Archaeological Research on Irvine Ranch Property: the Evolution of a Company Tradition	1979	Laguna Beach, Tustin, San Juan Capistrano,	Within the City

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				Black Start Canyon, Orange	
unknown	313	Archaeological Survey Report on Tentative Tract No. 10537 Located in the Unincorporated Area of the County of Orange, in the Vicinity of Newport Beach, California	1978	Newport Beach	Within the City
Desautels, Roger J.	326	Archaeological Report on the Proposed Orange County Water District Costa Mesa/Huntington Beach Area of the County of Orange	1978	Newport Beach, Seal Beach	Within the City
Mabry, Theo N.	335	Archaeological Records Search and Reconnaissance Survey Baywood Apartments Expansion Newport Beach, CA	1978	Laguna Beach	Within the City
unknown	337	Archaeological Records Search and Reconnaissance Survey San Miguel Triangle, Newport Beach	1978	San Juan Capistrano	Within the City
Howard, Jerry and Christina Carter	340	Excavations of the Spyglass Hills Site, CA-ORA 203 in Orange County, California	1975	Laguna Beach	Within the City
Cottrell, Marie G.	352	Preliminary Report of Fieldwork at 4-ORA-130	unknown	Laguna Beach	Within the City
Himmerich, Robert T.	355	Pits S7e1 and S1w23 of 4 Ora 198	1970	Laguna Beach	Within the City
Cooley, Theodore G.	357	Report of Test Excavations 4 Ora 146	1974	Laguna Beach	Within the City
Lyneis, Margaret M.	360	An Archaeological Evaluation of ORA-193, Newport Bay, Orange County, California	1979	Newport Beach	Within the City
Lyneis, Margaret M.	361	ORA-193 on Newport Bay: Implications for Gabrielino Subsistence Systems- a Preliminary Site Report	1978	Newport Beach	Within the City
Rice, Glen E.	364	Report on Archaeological Investigations at CA-ORA-192	1977	Tustin	Within the City
Drover, Christopher E.	365	Test Excavations of Lower Bonita Creek	1975	Tustin	Within the City
unknown	391	This Book Presents the Findings of Works Progress Administration Anthropological Project #7680, 4-ORA-107	1938	Tustin	Within the City
Cottrell, Marie G.	413	Westbay: Archaeological Resources Investigation	1978	Newport Beach	Within the City
Mabry, Theo N.	427	Test-Level Investigations, North Bluffs of Upper Newport Bay, Newport Beach, CA	1979	Tustin	Within the City
Di Gregorio, Lee A.	437	Report on Archaeological Monitoring of Grading and Construction: CA-ORA-174	1979	Newport Beach	Within the City

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		the Spiller Site			
Mabry, Theo N.	442	Archaeological Records Search and Reconnaissance Survey Superior Avenue Realignment Route	1979	Newport Beach	Within the City
unknown	466	Archaeological Test Report on Tract 10849 Located in the Costa Mesa Area of the County of Orange	1978	Newport Beach	Within the City
McCawley, William	482	An Interim Report of Initial Site Testing at ORA-839	1979	Newport Beach	Within the City
unknown	530	Orange County California Historical Research Project Report of Limestone Canyon Excavations Limestone-Sand Hill-Adams-Fairview-Sandstone Cave-Newland Hillside & Norris Excavations	1935	Newport Beach	Within the City
Douglas, Ronald D.	568	Archaeological Survey Report on Five Development Parcels in Newport Center, Newport Beach, Orange County, California	1980	Newport Beach, Laguna Beach	Within the City
unknown	569	Report on Archaeological Field Survey and Subsurface Testing, Pacific Mutual Plaza Development Site, Newport Beach, California	1980	Newport Beach	Within Subarea
Stickel, Gary E. and Jerry B. Howard	574	Final Report of a Cultural Resource Survey of the University of California, Irvine	1976	Tustin	Within the City
Cooley, Theodore G.	575	Preliminary Report-Bonita Mesa	1974	Tustin	Within Subarea
Rashke, Rod	587	Archaeological and Paleontological Assessment, Mariner's Office Plaza, City of Newport Beach, California	1980	Newport Beach	Within the City
Rashke, Rod	588	Archaeological and Paleontological Assessment, Waterfront Homes, City of Newport Beach, California	1981	Newport Beach	Within the City
Taylor, Thomas T.	597	Archaeological Investigations at CA-ORA-691, a Ceramic Site on the Irvine Coast, Orange County, California	1980	Laguna Beach	Within the City
Whitney-Desautels, Nancy A.	607	Archaeological Survey Report on the Acacia Offices Project, Opi-1, Located in the Santa Ana Heights Area of the County of Orange, California	1981	Newport Beach	Within the City
Douglas, Ronald D.	615	Archaeological Resource Survey Northern Inland Coastal Hills Planning Area Orange County, California	1981	Tustin	Within Subarea
Desautels, Roger J.	638	The Survey, Inventory, and Assessment of the Proposed County Canitation Districts of	1981	Newport Beach	Within the City

Author	Report Number (OR-)	Report Title	Date	USGS Quad	Location
		Orange County Back Bay Trunk Sewer From Newport Dunes to Jamboree Pump Station and the Big Canyon Marsh Restoration Project, Upper Newport Bay, Newport Beach, County of Orange			
Romani, John F.	643	Archaeological Survey Report for the ORA-55 Corridor	1982	Newport Beach	Within the City
Romani, John F.	644	Archaeological Survey Report for the Proposed ORA-1 Widening Project (p.m. 19.80- P.m. 25.89) 07210-499850	1982	Newport Beach	Within the City
Padon, Beth	657	Archaeology at the Superior Avenue Site	1983	Newport Beach	Within the City
Padon, Beth	658	Archaeology at the 471 Old Newport Boulevard Site	1983	Newport Beach	Within the City
Seeman, Larry	666	Historic Property Survey Pacific Coast Highway Widening Project Newport Beach, California	1981	Newport Beach	Within Subarea
Martz, Larry	667	Crystal Cove State Park General Plan	1981	Laguna Beach	Within the City
Tadlock, Jean and W. Lewis Tadlock	668	San Joaquin Hills Transportation Corridor Cultural Resources Study-- Archaeology	1979	Laguna Beach, Tustin	Within the City
Padon, Beth	673	Archaeological Assessment, Proposed Upper Newport Bay Bicycle/Equestrian Trail, Newport Beach. California	1983	Newport Beach, Tustin	Within the City
Drover, Christopher E.	675	Environmental Impact Evaluation: Laguna/Laurel Biological and Cultural-Scientific Resource Assessment. Archaeological Element	1982	Laguna Beach	Within the City
Warren, Claude	677	The Sea Island Apartments Site Was Investigated for Archaeological Resources	1976	Newport Beach	Within the City
Cottrell, Marie G.	687	Archaeological Resources Assessment Conducted for the Laurel Canyon Area of the Laguna Laurel Planned Community	1983	Laguna Beach	Within the City
unknown	688	Archaeological Resources Survey of the Avon Street Project	1983	Newport Beach	Within the City
Cottrell, Marie G.	689	St. Andrews Presbyterian Church Property	1983	Newport Beach	Within the City
unknown	713	Orange County California Anthropological Project San Joaquin Gun Club Site ORA-192, ORA-57	1938?	Newport Beach	Within the City
Cottrell, Marie G.	714	Archaeological Resources Assessment: Coyote Canyon Sanitary Landfill	1977	Laguna Beach, Tustin	Within Subarea
Tadlock, Jean	716	San Joaquin Hills Transportation Corridor	1979	Laguna	Within

Author	Report Number (OR-)	Report Title	Date	USGS Quad	Location
and W. Lewis Tadlock		Cultural Resources Study-- Archaeology		Beach, Tustin	the City
Van Horn, David M., J.D. Cooper, E. Crespin, and J.R. Murray	718	A Cultural/Scientific Resources Investigation of he Planned San Joaquin Hills Transportation Corridor (Phase II)	1983	Laguna Beach, Tustin, San Juan Capistrano	Within Subarea
Cottrell, Marie G	720	San Joaquin Hills Transportation Corridor: an Annotated List of Archaeological Reports Referenced by Number	1983	Laguna Beach, Tustin, San Juan Capistrano, Dana Point	Within the City
Padon, Beth	725	Westbay Monitoring	1984	Newport Beach	Within the City
Padon, Beth	731	Archaeological Testing at CA-ORA-660 Cameo Del Mar Orange County, California	1984	Laguna Beach	Within the City
Barter, Eloise Richards	740	Excavations at CA-ORA-130 and CA-ORA-323 Coastal Bluff Sites at Crystal Cove State Park	1983	Laguna Beach	Within the City
Brock, James P.	756	Results of Archaeological and Paleontological Grading Monitoring for the Newport Financial Square Project, 1601 Avocado Avenue, Newport Center, Newport Beach, California	1985	Laguna Beach	Within the City
Breece, William H. and Lisa Wayne	775	Limited Test-Level Investigation at CA-ORA-1002, Corona Del Mar, California	1985	Laguna Beach	Within the City
Breece, William H.	776	Limited Test-Level Investigation at CA-ORA-192 and CA-ORA-348, Bayview Planned Community, County of Orange, California	1985	Tustin	Within the City
Padon, Beth	783	An Archaeological Assessment of the North Ford/University Avenue Project, City of Newport Beach	1985	Tustin	Within the City
Langenwalter, Paul E. and James Brock	801	Phase II Archaeological Studies Prado Basin and the Lower Santa Ana River	1985	Newport Beach, Orange, Anaheim, Black Star Canyon, Prado Dam	Within the City
Bissell, Ron and Rod Raschke	804	Archaeological and Paleontological Resources Assessment- Edgewater Place Property, Newport Beach, California	1986	Newport Beach	Within the City

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Demcak, Carol R.	810	Report of Test Level Investigations Conducted at CA-ORA-673, Coyote Canyon, Orange County. California	1985	Laguna Beach	Within the City
Breece, William H. and Laurel A Harrison	815	Archaeological Salvage Program at CA-ORA348 and CA-ORA 192, Bayview Planned Community, County of Orange, California	1985	Tustin	Within the City
Hemphill, Martha L.	818	Cultural Resource Assessment for Tract 12079 Corona Del Mar, Newport Beach Orange County, California	1986	Laguna Beach	Within the City
Padon, Beth	847	Archaeological Resource Inventory City of Irvine and its Sphere of Influence	1986	Tustin, Black Start Canyon	Within the City
Mason, Roger D.	858	Phase I Results and Phase II Proposals for Archaeological Assessment of the Meadowlark Airport, Huntington Beach, California	1986	Seal Beach	Within the City
Brock, James P.	865	Report on Archaeological/Paleontological Monitoring at Coyote Canyon Sanitary Landfill	1987	Laguna Beach	Within Subarea
Brock, James P.	866	Archaeological Assessment of the 1.25 Acre Property, 2505 Cliff Drive Newport Beach (ttm #12873)	1987	Newport Beach	Within the City
Rosenthal, Jane and Beth Padon	869	An Archaeological Overview of the Coyote Canyon Sanitary Landfill Final Report	1987	Laguna Beach	Within Subarea
Desautels, Nancy A.	889	Archaeological Monitoring of Tract 12079, Corona Del Mar, Orange County, California/srs Job 743-2	1986	Laguna Beach	Within the City
Breece, William H.	891	Cultural Resource Report for the Widening of Avon Street, Newport Beach	1988	Newport Beach	Within the City
Del Chario, Kathleen	893	Archaeological Resource Assessment for Three Parcels in Newport Beach	1981	Laguna Beach	Within the City
Padon, Beth	925	Report in Paleontological and Archaeological Monitoring Coyote Canyon Landfill Orange County, California	1988	Laguna Beach	Within Subarea
Bissell, Ronald M.	933	Cultural and Paleontological Resources Reconnaissance of the Long Range Development Plan Study Area, University of California, Irvine, Orange County, California	1988	Tustin	Within the City
Bissell, Ronald M.	939	Archaeological Resources Reconnaissance of the Long Range Development Plan Study Area, University of California, Irvine, Orange County, California	1988	Tustin	Within the City
Farnsworth,	954	Determination of National Register	1989	Laguna	Within

Author	Report Number (OR-)	Report Title	Date	USGS Quad	Location
Paul S. and N. Whitney-Desautels		Eligibility and Treatment Plan and Data Recovery Program for Archaeological Sites on the Coyote Canyon Sanitary Landfill Property, Orange County, California		Beach, Tustin	Subarea
Becker, Kenneth M.	984	Cultural Resources Reconnaissance of the Proposed Castaways Marine Newport Beach, Orange County, California	1989	Newport Beach	Within the City
Breece, William H., Beth Padon, and Jane Rosenthal	986	Results of the Test-Level Investigation at CA-ORA-1120 Bonita Canyon, Orange County, California	1989	Tustin	Within Subarea
unknown	1003	Draft Environmental Impact Report Newport Dunes Redevelopment	1979	Newport Beach	Within the City
Padon, Beth	1012	Back Bay Archaeology Site Inventory/Status Evaluation	1982	Newport Beach, Tustin	Within Subarea
Leonard, Nelson N. III	1016	Environmental Impact Evaluation: Route Alternates Between the Michelson Treatment Plant and Plants on the Santa Ana River, Orange County, California	1975	Newport Beach	Within the City
Cottrell, Marie G.	1017	Archaeological Sites of Upper Newport Bay	1976	Newport Beach	Within the City
Van Horn, David M.	1027	Archaeological Survey Report: 20162 Birch Street, Santa Ana Heights, County of Orange	1990	Tustin	Within the City
Jertberg, Patricia, Beth Padon, and Jane Rosenthal	1043	Archaeological Mitigation Program at CA-ORA-231 Coyote Canyon Landfill	1990	Laguna Beach	Within the City
Gross, Timothy G., and Mary Robbins-Wade	1052	Cultural Resources Assessment: Villa Point Condominiums II, Newport Beach, California	1989	Newport Beach	Within the City
Breece, William H.	1056	Archaeological Monitoring for the Villa Point Phase II Project in Newport Beach	1990	Newport Beach	Within the City
Bissell, Ronald M.	1069	Cultural Resources Reconnaissance of the Southernmost Portion of the Delhi Channel, Newport Beach, Orange County, California	1991	Newport Beach	Within the City
Breece, William H.	1071	Results of the Geologic Trenching and Bore Holes Program Conducted at the Newporter North Site, Newport Beach	1991	Newport Beach	Within the City
Jertberg, Patricia R.	1072	Final Report on Archaeological Monitoring at Coyote Canyon Sanitary Landfill Orange County, California	1990	Laguna Beach, Tustin	Within Subarea
Dillon, Brian	1087	Archaeological Record Search for the Green	1990	Newport	Within

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D.		Acres Phase II Project, Orange County Water District, Cities of Huntington Beach and Newport Beach, Orange County, California		Beach, Seal Beach	the City
Brown, Joan C.	1097	Cultural Resources Reconnaissance of a 138 Acre Section of Upper Newport Bay Regional Park Located in Newport Beach, Orange County, California	1991	Newport Beach	Within the City
Pettus, Roy	1119	Marine Cultural Resources Survey Within the Lower Santa Ana River Project Near Shore Disposal Area	1991	Newport Beach	Within the City
Marmor, Jason D.	1120	Historic Architectural Survey Report for a Segment of Macarthur Boulevard Pacific Coast Highway to University Drive Newport Beach/Irvine, Orange County, California	1991	Laguna Beach, Tustin	Within Subarea
Rosenthal, Jane	1127	Past to Present: Cultural and Scientific Resources, an Archival Inventory Irvine Ranch Open Space Reserve Orange County, California	1991	Black Star Canyon, El Toro	Within the City
De Barros, Philip and Henry C. Koerper	1133	Final Test Investigation Report and Request for Determination of Eligibility for 23 Sites Along the San Joaquin Hills Transportation Corridor	1990	Laguna Beach, Tustin, Black Star Canyon	Within the City
Barter, Eloise Richards	1141	Archaeological Testing at Crystal Cove State Park 1983-1985	1991	Laguna Beach	Within the City
Jertberg, Patricia, Beth Padon, and Jane Rosenthal	1146	CA-ORA-1193: Test Program for Determination of National Register Eligibility	1991	Laguna Beach	Within the City
Rosenthal, Jane and Beth Padon	1176	CA-ORA-236, Coyote Canyon Cave Data Recovery Investigations, Coyote Canyon Sanitary Landfill, Orange County, California	1991	Laguna Beach	Within the City
Brown, Joan C.	1189	Cultural Resources Reconnaissance of 11 Parcels of Land Located in Newport Beach, Orange County, California	1992	Newport Beach, Tustin	Within the City
Brown, Joan C.	1197	Cultural Resources Reconnaissance of Ten Miles of the Santa Ana-Delhi Channel Complex, Orange County, California	1992	Newport Beach	Within the City
Rosenthal, Jane and Patricia Jertberg	1208	Archaeology Testing at CA-ORA-124/134 Irvine, California	1992	Tustin	Within the City
Sampson, Michael P.	1217	Comments on the CA-ORA-246 Report (June 1992)	1992	Laguna Beach	Within the City

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Jones, Kenneth	1218	Additional Comments Regarding Your Report on Excavations at Site CA-ORA-246 (Dated March 1992) in Crystal Cove State Park	1992	Laguna Beach	Within the City
Cameron, Constance	1225	Surface Collection From CA-ORA-323	1987	Laguna Beach	Within the City
Barter, Eloise Richards	1226	Excavations at CA-ORA-130 and CA-ORA-323 Coastal Bluff Sites at Crystal Cove State Park	1987	Laguna Beach	Within the City
Koerper, Henry C. and Clay A. Singer	1234	Two Unusual Perforated Stones From the Newport Bay Area	1988	Newport Beach, Tustin	Within the City
Rosenthal, Jane	1244	Phase II Archaeological Testing at CA-ORA-124/134	1992	Tustin	Within the City
Mason, Roger D., Mark L. Peterson, Henry C. Koerper, Lisa Panet Klug, Wayne H. Bonner, Vicki Solheid, and Tony Morgan	1251	Newport Coast Archaeological Project Project Background and Research Design	1991	Laguna Beach	Within the City
Mason, Roger D., Mark L. Peterson, Clay A. Singer, Paul E. Langenwalter II, Tony Morgan, and Gary S. Hurd	1251	Newport Coast Archaeological Project Results of Data Recovery at Buck Hill CA-ORA-663 Tract no. 14065, Lots 34, 35, 36, 86, 87 and a Portion Of	1990	Laguna Beach	Within the City
Mason, Roger D., Mark L. Peterson, Clay A. Singer, Brant A. Brechbiel, Lisa Panet Klug, Wayne A. Bonner, Tony Morgan, Robert O. Gibson	1253	Newport Coast Archaeological Project: Results of the Test Program and Data Recovery Program at Area 13 of CA-ORA-662 (icd-13) Impacted by Construction of Lower Loop Road	1992	Laguna Beach	Within the City
Mason, Roger	1254	Newport Coast Archaeological Project	1991	Tustin	Within

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D., Mark L. Peterson, Brant A. Brechbiel, Clay A. Singer, Paul E. Langenwalter II, and Tony Morgan		Results of Data Recovery From Sites Impacted by Construction of Pelican Hill Road Segment B (Newport Coast Drive)			the City
Mason, Roger D., Brant A. Brechbiel, Clay A, Singer, Wayne Bonner, Robert O. Gibson, Mark L. Peterson, and Lisa Panet King	1255	Newport Coast Archaeological Project: Results of Data Recovery at the French Flat Complex Sites	1992	Laguna Beach	Within Subarea
Mason, Roger D., Mark L. Peterson, Brant A. Brechbiel, Clay A. Singer, Wayne H. Bonner, Tony Morgan, and Robert O. Gibson	1256	Newport Coast Archaeological Project: Results of Data Recovery From Sites Impacted by Construction of Pacific Coast Highway (Inland Side)	1992	Laguna Beach	Within the City
Mason, Roger D., Mark L. Peterson, Brant A. Brechbiel, Clay A. Singer, Paul E. Langenwalter II, and Tony Morgan, Robert O. Gibson, Gary S. Hurd	1257	Newport Coast Archaeological Project: Results of Data Recovery at the Wishbone Hill Sites CA-ORA-339, CA-ORA-340, CA-ORA-928, CA-ORA-929 Tract 14064	1991	Laguna Beach	Within the City
Mason, Roger D., Mark L. Peterson, Brant A. Brechbiel, Clay A. Singer, Paul E.	1259	Newport Coast Archaeological Project: Results of Data Recovery at CA-ORA-683 Planning Area 2b1, Tract 14038	1991	Laguna Beach	Within the City

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Langenwalter II, and Tony Morgan, Robert O. Gibson, Gary S. Hurd					
Rosenthal, Jane and Andrea Charron	1262	Archaeological Assessment Planning Area 26, Parcel 2, Irvine, Orange County, California	1993	Tustin	Within the City
Rosenthal, Jane and Andrea Charron	1270	Archaeological Assessment Planning Area 23, Parcel 2, Irvine, Orange County, California	1993	Tustin	Within the City
Mason, Roger D. and Wayne H. Bonner	1273	Prehistoric Cultural Resource Survey Report and Analysis of Impacts for the Ford Road Realignment	1992	Tustin	Within the City
Rosenthal, Jane and Laurel H. Breece	1274	Salvage and Monitoring Activities at CA-ORA-124/134, Irvine, Orange County, California	1993	Tustin	Within the City
Mason, Roger D. and Brant A. Brechbiel	1283	Newport Coast Archaeological Project: Results of the Subsurface Test Program Conducted at CA-ORA-1254	1993	Laguna Beach	Within the City
Mason, Roger D. and Brant A. Brechbiel	1284	Newport Coast Archaeological Project: Results of Archaeological Grading Monitoring of San Joaquin Hills Road and the Subsurface Test Program Conducted at CA-ORA-1252	1993	Laguna Beach	Within the City
Mason, Roger D., John D. Cooper, and Brant A. Brechbiel	1285	Newport Coast Archaeological Project: Results of Archaeological and Paleontological Construction Grading Monitoring of Pacific Coast Highway Graded Utility Bench	1993	Laguna Beach	Within the City
Mason, Roger D. and Brant A. Brechbiel	1288	Newport Coast Archaeological Project: Results of Data Recovery at CA-ORA-662 Area 13 (icd-13) Impacted by Construction Within Newport Coast Planning Area 1c-2	1993	Laguna Beach	Within the City
Mason, Roger D., John D. Cooper, and Paul G. Chace	1289	Newport Coast Archaeological Project: Results of Archaeological and Paleontological Grading Monitoring of Sand Canyon Avenue	1993	Laguna Beach	Within the City
Jones, Carleton S. and Carol R. Demcak	1294	Report of Archaeological Investigations at CA-ORA-1301h, Mission Viejo, South Orange County, California	1993	San Juan Capistrano	Within the City
Mason, Roger D., Brant A. Brechbiel, Clay A. Singer,	1302	Newport Coast Archaeological Project Results of Data Recovery at the Late Small Rockshelters CA-ORA-674, CA-ORA-677, CA-ORA-678, CA-ORA-1206, CA-ORA-	1991	Laguna Beach	Within the City

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Robert O. Gibson, Mark L. Peterson, and Paul E. Langewalter II		1210, CA-ORA-676, CA-ORA-682, CA-ORA-679, CA-ORA-1204 Planning Areas 2c1, 8, 12d			
Mason, Roger D., Brant A. Brechbiel, Clay A, Singer, Robert O. Gibson, Mark L. Peterson, Lisa Panet Klug, Wayne H. Bonner, Tony Morgan, Robert O. Gibson, and Patricia S	1303	Newport Coast Archaeological Project: Results of Data Recovery at the Pelican Hill Sites CA-ORA-662 and ORA-1203 Volume I	1993	Laguna Beach	Within the City
Mason, Roger D., Brant A. Brechbiel, Clay A, Singer, Robert O. Gibson, Mark L. Peterson, Lisa Panet Klug, Wayne H. Bonner, Tony Morgan, Robert O. Gibson, and Patricia S	1304	Newport Coast Archaeological Project: Results of Data Recovery at the Pelican Hill Sites CA-ORA-662 and ORA-1203 Volume II	1993	Laguna Beach	Within the City
Mason, Roger D., Brant A. Brechbiel, Clay A, Singer, Robert O. Gibson, Mark L. Peterson, Lisa Panet Klug, Wayne H. Bonner, Tony Morgan, Robert O.	1305	Newport Coast Archaeological Project Results of Data Recovery at the Pelican Hill Sites CA-ORA-662 and CA-ORA-1203 VOLUME III: Appendices	1993	Laguna Beach	Within the City

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Gibson, and Patricia S					
Mason, Roger D., Brant A. Brechbiel, Clay A, Singer, Robert O. Gibson, Mark L. Peterson, Robert O. Gibson, and Paul E. Langewalter	1306	Newport Coast Archaeological Project Results of Data Recovery at Three Newport Coast Open Sites CA-ORA-673, CA-ORA-675, CA-ORA-684	1992	Laguna Beach	Within the City
Mason, Roger D., Brant A. Brechbiel, Clay A, Singer, Robert O. Gibson, Mark L. Peterson, Robert O. Gibson, and Paul E. Langewalter	1307	Newport Coast Archaeological Project Results of Data Recovery at the Golf Course Sites CA-ORA-660, CA-ORA-664, CA-ORA-665, CA-ORA-1231, and Results of Test Programs at CA-ORA-666, CA-ORA-1229, CA-ORA-1230, CA-ORA-1232. CA-ORA-1233, CA-ORA1234, and CA-ORA-...	1992	Laguna Beach	Within Subarea
Mason, Roger D. and Paul G. Chase	1319	Newport Coast Archaeological Project Results of Archaeological Grading Monitoring, Pelican Hill Tract No. 14065	1993	Laguna Beach	Within the City
Briuer, Frederick L.	1330	Report of the Intensive Archaeological Survey of the Irvine Coastal Region Priority Parcel #1	1977	Laguna Beach	Within Subarea
Cottrell, Marie G., Kathleen Del Chario, Theodore Cooley, Joyce Clevenger, Theo Mabry, and Christina Brewer	1338	CA-ORA-130: a Multi-Component Campsite Located on the Coastal Bluffs of the Southern California Coast	1983	Laguna Beach	Within the City
Demcak, Carol R. and Marie G. Cottrell	1339	Report of the Archaeological Investigations Performed in Association With the Upper Newport Bay Bike and Equestrian Trail	1985	Tustin	Within the City
Chace, Paul G.	1342	Redating the Buck Gully Site, Implications for Settlement Patterns	1971	Laguna Beach	Within the City
McKenna,	1350	Archaeological Survey Report Historic Sites	1993	Laguna	Within

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Jeanette A. and Philip De Barros		Addendum San Joaquin Hills Transportation Corridor 12-ORA-73 12-102540		Beach, Tustin, Dana Point, San Juan Capistrano	the City
McKenna, Jeanette A. and Philip De Barros	1351	Historic Study Report San Joaquin Hills Transportation Corridor 12-ORA-73 12-102540	1993	Laguna Beach, Tustin, Dana Point, San Juan Capistrano	Within the City
Boxt, Matthew A. and Christeen M. Barretta	1360	Archaeological and Paleontological Assessment Surveys for the Proposed Costa Mesa/Newport Beach Pipe Line Route, Orange County, California	1992	Newport Beach	Within the City
Chace, Paul G. and John D. Cooper	1365	Newport Coast Archaeological Project: Results of Archaeological and Paleontological Grading Monitoring of Newport Coast Planning Area 2b-3, Tentative Tract No. 14721	1994	Laguna Beach	Within the City
Sampson, Michael P.	1366	Letter to Dr. Roger Mason, Director Archaeology Division the Keith Companies	1992	Laguna Beach	Within the City
Hayden, William E.	1370	A Cultural Resources Assessment Conducted at Newport Hills Dr., City of Newport Beach, Orange County, California	1994	Laguna Beach	Within the City
Mason, Roger D.	1380	Treatment Program for ORA-1358 in the MacArthur Segment, San Joaquin Hills Transportation Corridor Irvine, California Pursuant to 36 Cfr. 800.11	1994	Tustin	Within the City
Rosenthal, Jane	1386	Final Report of Archaeological Monitoring - Parcel 2 Planning Area 26, Church of Latter Day Saints Facility	1994	Tustin	Within the City
Chace, Paul G. and John D. Cooper	1392	Newport Coast Archaeological Project: Results of Archaeological & Paleontological Monitoring for Grading Operations of the Buck Gully 66kv Installation & Access Roads, Newport Coast Planning Areas	1994	Laguna Beach	Within the City
Chace, Paul G. and John D. Cooper	1400	Newport Coast Archaeological Project: Results of Archaeological and Paleontological Monitoring for Grading Operations of Pelican Hill, Phases III-IV Improvements Tract No. 14065-2	1994	Laguna Beach	Within the City
Chace, Paul G. and John D. Cooper	1401	Newport Coast Archaeological Project: Results of Archaeological and Paleontological Monitoring for Grading	1994	Laguna Beach	Within the City

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		Operations for the Pelican Hill Golf Course Entrance Project			
Drover, Christopher E.	1411	A Cultural Resources Inventory Airtouch Signal Peak Cellular Antenna Site Laguna Beach 7.5' USGS Map, Corona Del Mar, California	1994	Laguna Beach	Within the City
Mason, Roger D. and Brant A. Brechbiel	1430	Newport Coast Archaeological Project: Cultural Resources Survey Report of Remaining Unsurveyed Areas in Tentative Tract 13337	1993	Laguna Beach	Within the City
Mason, Roger D. and Brant A. Brechbiel	1437	Newport Coast Archaeological Project: Results of Archaeological Grading Monitoring of the Newport Coast Golf Course	1993	Laguna Beach	Within Subarea
Sturm, Bradley L.	1438	Pacific Coast Highway Revegetation Project, Crystal Cove State Park, Orange County, California	1995	Laguna Beach	Within the City
Mason, Roger D. and Mark L. Peterson	1458	Newport Coast Settlement Systems: Analysis and Discussion	1994	Laguna Beach	Within the City
Mason, Roger D.	1461	Newport Coast Archaeological Project: Results of Data Recovery at CA-ORA-274 and CA-ORA-670	1994	Laguna Beach	Within the City
Cerreto, Richard	1462	Newport Coast Archaeological Project: Human Osteological Analysis Paleodietary Reconstruction	1994	Laguna Beach	Within the City
Rosenthal, Jane	1507	Archaeological and Paleontological Monitoring of Preliminary Grading for Irvine Spectrum 5, Phase 1a and 1c, Irvine, California	1995	El Toro	Within the City
Allen, Kathleen C.	1515	Archaeological Assessment of L.A. Cellular Site #686.10, Bonita Creek Park, Orange County, California	1995	Tustin	Within the City
Strudwick, Ivan H., William McCawley, and Bradley Sturm	1531	Results of Archaeological Testing at Sites CA-ORA-167/1117 and CA-ORA-1461, for the MacArthur Boulevard Widening In the City of Newport Beach, Orange County, California	1995	Laguna Beach	Within the City
Chace, Paul G. and John D. Cooper	1559	Results of Archaeological and Paleontological Monitoring for the Mass Grading of Planning Area 1c, Phase 1, Tentative Tract 14367, Final Tract 15091	1995	Laguna Beach	Within the City
Brown, Joan C.	1565	Archaeological Monitoring During Grading of the Castaways Parcel, Located in Newport Beach, Orange County, California	1996	Newport Beach	Within the City

Author	Report Number (OR-)	Report Title	Date	USGS Quad	Location
Knight, Albert	1578	Some Photographs of the 'Pelican Hill Project' 1988-1990	1995	Laguna Beach	Within the City
Strudwick, Ivan H.	1588	Results of Archaeological Testing at CA-ORA-616 Along Coyote Canyon in the San Joaquin Hills for Planning Areas 8/13, Orange County, California	1997	Laguna Beach	Within the City
De Barros, Philip and Henry C. Koerper	1605	(Duplicate of ORA-1133) Final Test Investigation Report and Request for Determination of Eligibility for 23 Sites Along the San Joaquin Hills Transportation Corridor	1990	Laguna Beach, Tustin, Dana Point, San Juan Capistrano	Within the City
Jertberg, Patricia R.	1606	Final Letter Report Archaeology and Historical Monitoring, Corona Del Mar Plaza, City of Newport Beach, California	1997	Laguna Beach	Within the City
Mason, Roger D.	1612	(Duplicate of ORA-1647) San Joaquin Hills Transportation Corridor: Results of Data Recovery at CA-ORA-1398, CA-ORA-1431, CA-ORA-1433, CA-ORA-1436, CA-ORA-1438	1997	Laguna Beach	Within the City
Drover, Christopher E.	1623	Cultural Resources Impact and Constraints Assessment Project Area Pa-27 Irvine, California	1997	Laguna Beach, Tustin	Within the City
Bissell, Ronald M.	1630	Cultural Resources Investigation and Monitoring of Grading for the Upper Castaways View Park, Newport Beach, Orange County, Ca.	1997	Newport Beach	Within the City
Drover, Christopher E.	1642	Archaeological Site Survey and Assessment Corporate Plaza- Phase One Newport Beach, California	1997	Laguna Beach	Within the City
Bonner, Wayne H., Stephen J. Bouscaren, Larry Carbone, Rober O. Gibson, Lisa Flug, Roger D. Mason, Mark L. Peterson, and Virginia Popper	1649	Results of Data Recovery at CA-ORA-482 and CA-ORA-106: New Ford Road Project Irvine, California	1996	Tustin	Within the City
Bonner, Wayne H., Stephen J. Bouscaren, Larry Carbone,	1650	San Joaquin Hills Transportation Corridor Results of Data Recovery at CA-ORA-125 and CA-ORA-1295	1997	Tustin	Within the City

Author	Report Number (OR-)	Report Title	Date	USGS Quad	Location
Robert O. Gibson, Lisa Flug, Roger D. Mason, Mark L. Peterson, and Virginia Popper					
Mason, Roger D., Wayne H. Bonner, Stephen J. Bouscaren, Larry Carbone, Robert O. Gibson, Lisa Klug, Mark L. Peterson, and Virginia Popper	1651	San Joaquin Transportation Corridor Results of Data Recovery at CA-ORA-206	1997	Tustin	Within the City
Mason, Roger D, Stephen J. Bouscaren, Wayne H. Bonner, Mark L. Peterson, and Lisa Panet Klug	1653	Test Program Results and Request for Determination of Eligibility for Five Sites in the New Ford Road Alignment Irvine, California	1993	Tustin	Within the City
Mason, Roger D.	1689	Mitigation Monitoring Report New Ford Road, Orange County, California, Mitigation Measure 69.1: Monitoring for Prehistoric Resources	1995	Tustin	Within the City
Padon, Beth	1690	Archaeological Monitoring Report, University Research Park, Phase III, Irvine California	1998	Tustin	Within the City
Macko, Michael E.	1701	Upper Newport Bay Regional Park Archaeological Project - Data Recovery at CA-ORA-170, Orange County, California	1997	Newport Beach	Within the City
Goddard, Timothy A.	1702	Cultural Resources Reconnaissance for the Newport Dunes Hotel in Newport Beach, California	1998	Newport Beach	Within the City
Drover, Christopher E.	1705	Archaeological Site Survey and Assessment Corporate Plaza West, Newport Beach, California	1998	Newport Beach	Within the City
McLean, Deborah K.	1706	Archaeological Assessment for Pacific Bell Mobile Services Telecommunications Facility CM 352-03, 2046 Mar Vista Drive,	1998	Newport Beach	Within the City

Author	Report Number (OR-)	Report Title	Date	USGS Quad	Location
		City of Newport Beach, County of Orange, California			
Bissell, Ronald M.	1711	Project Area 27 in Irvine, Orange County, California	1998	Laguna Beach, Tustin	Within the City
Drover, Christopher E.	1714	(Duplicate of OR-2065) A Cultural Resources Inventory for an 800 Acre Conceptual Lotting Plan in Planning Area 27, Irvine, California	1998	Laguna Beach, Tustin	Within the City
unknown	1715	Data Recovery Plan Prehistoric Archaeological Sites CA-ORA-106 and CA-ORA-482 Within the Area of Potential Effect of the Proposed New Ford Road	1993	Tustin	Within the City
Mason, Roger D.	1716	Treatment Plan Prehistoric Archaeological Sites Discovered During Constructions of the San Joaquin Hills Transportation Corridor (12-ORA-73, 12-102540), Orange County, California	1994	Laguna Beach, Tustin	Within the City
Mason, Roger D. and Brant A. Brechbiel	1717	San Joaquin Hills Transportation Corridor Results of Construction Monitoring for Archaeological Resources Mitigation Monitoring Measures 11-1	1997	Laguna Beach, Tustin, Dana Point, San Juan Capistrano	Within the City
Strudwick, Ivan H.	1718	Cultural Resource Survey of the "Morro Silver" Approximately 35 Acres East of Signal Park in the San Joaquin Hills, Orange County, California	1998	Laguna Beach	Within the City
unknown	1731	Index to the Artifacts Collected During the Second Part of the WPA Project	1961	Laguna Beach, Newport Beach, Tustin	Within the City
Brown, Joan C.	1733	Archaeological Monitoring During Excavation for the Green Acres Phase II Project Pipeline Extension Into Newport Beach (contract ga-97-1)	1998	Newport Beach, Tustin	Within the City
Brechbiel, Brant A.	1762	Cultural Resources Records Search and Literature Review Report for a Pacific Bell Mobile Services Telecommunications Facility: Cm 333-01, in the City of Newport Beach, CA	1998	Newport Beach	Within the City
Strudwick, Ivan H.	1823	Results of Archaeological Testing at CA-ORA-1492 in the San Joaquin Hills Near Los Trancos Canyon Orange County	1998	Laguna Beach	Within the City

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Demcak, Carol R.	1824	Final Report of Archaeological Monitoring for L.A. Cellular Site #556.1, South Orange County, California	1996	Laguna Beach	Within the City
Cooper, John D. and Chace, Paul G.	1825	Newport Coast Archaeological Project: Results of Archaeological and Paleontological Monitoring for Grading Operating of Portions of Newport Ridge, Tract No. 14509, Tentative Tract No. 13455	1994	Laguna Beach	Within Subarea
Chace, Paul G.	1827	...of the Old Summer Fishing Camp'-- the Archaeological Heritage of ORA-1429, Los Trancos Canyon, Crystal Cove State Park, the Pacific Coast Highway- System 47 Site, Orange County, California	1995	Laguna Beach	Within the City
Chace, Paul G.	1828	A Cultural/Scientific Resources Survey for the Irvine Planning Area 26, Bonita Canyon-Coyote Canyon, Zone Change 18903-zc, ion the City of Irvine, Orange County, California	1995	Laguna Beach, Tustin	Within Subarea
Macko, Michael E.	1834	Results of Implementing Mitigation Measures Specified in the Operation Plan and Research Design for the Proposed Newporter North Residential Development at ORA-64	1998	Newport Beach	Within the City
Bissell, Ronald M.	1904	Test Excavation of a Portion of CA-ORA-48, Newport Beach, Orange County, California	1990	Newport Beach	Within the City
Romani, John F.	1905	(Duplication of ORA-643) Archaeological Survey Report for the ORA-5 Corridor (pm 0.0/t4.22) 07207-492201	1982	Newport Beach	Within the City
Padon, Beth and William Breece	1907	The Results of an Archaeological Reconnaissance of the Proposed Hoag Hospital Expansion Project Site Newport Beach, Orange County, California	1989	Newport Beach	Within the City
McLean, Deborah K.	1908	Letter Report for Completion of Monitoring for Macarthur Boulevard Widening-Segment 2 Project, San Joaquin Hills Road to Ford Road, City of Newport Beach, Orange County, California	1998	Newport Beach, Tustin	Within the City
Gibson, R.O. and C.D. King	1938	Preliminary Analysis of Beads, Ornaments and Fishhooks From 25 Orange County Sites	1991	Laguna Beach, Tustin	Within the City
Steele, K.D.	1951	Historic Property Survey 07-ORA-55, Pm 0.0/t4.22, Costa Mesa and Newport Beach, Orange County, California	1982	Newport Beach	Within the City
unknown	1952	Historic Property Survey Report, Route 73	1996	Newport	Within

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		and I-405 Improvements From Birch Street to I-405, From Bear Street to Euclid Street		Beach, Tustin	the City
Rosenthal, Jane	1953	LSA Letter Report Re: CA-ORA-48, December 1990	1990	Newport Beach	Within the City
Duke, Curt	1985	Cultural Resource Assessment for Pacific Bell Mobile Services Facility Cm 482-05, Orange County, California	1999	Tustin	Within the City
Drover, Christopher E. and David Smith	2012	Cultural Resources Inventory, Office Building and Parking Structure, Civic Plaza, Newport Beach, California	1998	Newport Beach	Within the City
unknown	2016	Newporter North Archaeology Phase I Report	1977	Newport Beach	Within the City
Mason, Roger D.	2022	Test Plan for National Register Evaluation of Archaeological Sites on the Coyote Canyon Sanitary Landfill Property, Orange County, California	1987	Laguna Beach	Within Subarea
Duke, Curt	2060	Cultural Resource Assessment of the AT&T Wireless Services Facility Number R129, County Of Orange, California	1999	Tustin	Within the City
Bonner, Wayne H.,	2116	Cultural Resources Records Search and Literature Review for the Zwerling Property, Located Within the City of Corona Del Mar, Orange County	2000	Laguna Beach	Within the City
Demcak, Carol and Milos Velechovsky	2120	Final Report on Archaeological and Paleontological Monitoring Program Conducted at the Pelican Hill Project Site, Orange County	2000	Laguna Beach	Within the City
Duke, Curt	2123	Cultural Resource Assessment for Pacific Bell Mobile Services Facility Cm 486-01, County of Orange	1999	Laguna Beach	Within the City
Duke, Curt	2124	Cultural Resource Assessment for Pacific Bell Mobile Services Facility Cm 539-21, County of Orange	2000	Laguna Beach	Within the City
Drover, Christopher E.	2129	A Cultural Resources Inventory for the Newport Banning Ranch, City of Newport Beach, Orange County	1999	Newport Beach	Within the City
Duke, Curt amd Steven Conkling	2130	Results of the Cultural Resource Assessment, Native American Consultation and Extended Subsurface Assessment for Pacific Bell Mobile Services, Cm 481-01, in the City of Newport Beach, Orange County	1999	Newport Beach	Within the City
Duke, Curt	2139	Cultural Resource Assessment for At&T Wireless Services Facility Number C830.1, County of Orange	2000	Newport Beach	Within the City

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Hale, Alice	2153	Archaeological Monitoring at the Capistrano Valley Water District at Camino Capistrano and La Zanja Street, San Juan Capistrano	2000	San Juan Capistrano	Within the City
Miller, John	2222	Archaeological Monitoring for John Laing Homes Project at 900 Seal Lane, Corona Del Mar, CA	2000	Laguna Beach	Within the City
Lapin, Philippe	2223	Negative Historic Property Survey Report: Route 12-ORA-1	2000	Laguna Beach	Within the City
Bissell, Ronald M.	2228	Cultural Resources Reconnaissance of the East Addition Parking Structure, Hoag Memorial Hospital, Newport Beach, Orange County, California	2000	Newport Beach	Within the City
Padon, Beth	2231	Results for Phase I Archaeological Resources Study at the Newport Technology Center Project, Orange County	2001	Newport Beach	Within the City
Lapin, Philippe	2238	Cultural Resource Assessment for Pacific Bell Mobile Services Facility Cm 299-01, County of Orange, CA	2000	Tustin	Within the City
Demcak, Carol R.	2256	Cultural Resources Assessments for Orange County Sanitation Districts	1999	Newport Beach, Tustin,	Within the City
Delu, Antonina and Wallock, Nicole	2262	Results of Archaeological Salvage and Monitoring Activities for Planning Area 22, Tract 15585, in the Newport Ridge Area, Unincorporated County of Orange, CA	2000	Laguna Beach, Tustin	Within the City
Duke, Curt	2275	Cultural Resource Assessment for At&T Fixed Wireless Services Facility Number LA-471-a, County of Orange, CA	2000	Anaheim	Within the City
Avina, Mike	2301	Monitoring Report for Xo California Builds - 1920 Maple Ave, El Segundo, California, and 4000 Macarthur Blvd., Newport Beach, California	2001	Tustin, Venice	Within the City
Duke, Curt	3227	Cultural Resource Assessment- Cingular Wireless Facility No. Sc 031-01, Orange County, California	2001	Laguna Beach	Within the City
McKenna, Jeanette A.	2348	Review of Cultural Resource Assessment/Evaluation for Cingular Wireless Site Cm-299-04, Orange County, California	2001	Tustin	Within the City
McKenna, Jeanette A.	2372	A Phase I Cultural Resources Investigation of the Bayview Landing Project Area, Newport Beach, Orange County, California	2001	Newport Beach	Within the City
Bissell, Ronald M.	2393	Cultural Resource Reconnaissance and Impact Analysis Related to Property Near the Bonita Reservoir, Irvine, Orange	1998	Tustin	Within the City

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		County, California			
Duke, Curt	2422	Cultural Resource Assessment Cingular Wireless Facility No. Sc 060-01 Orange County, California	2001	San Juan Capistrano	Within the City
Peterson, Mark L.	2449	Bonita Mesa Archaeological Project: the Intermediate: a Non-Traditional Approach to a Revised Interpretation of Human Settlement Systems of the Newport Bay and San Joaquin Hills Region of Orange County, California	2000	Tustin	Within the City
Peterson, Mark L.	2450	Bonita Mesa Archaeological Project: the Intermediate: a Non-Traditional Approach to a Revised Interpretation of Human Settlement Systems of the Newport Bay and San Joaquin Hills Region of Orange County, California	2000	Tustin	Within the City
Bonner, Wayne H., Steven L. Martin, Virginia S. Popper, Lisa Klug, and Richard W. Huddleston	2481	Bonita Mesa Archaeological Project: the Intermediate Volume III	2000	Tustin	Within the City
Tores, John H.	2482	Bonita Mesa Archaeological Project: the Intermediate Volume IV	2001	Tustin	Within the City
Love, Bruce	2486	Historical/Archaeological Resources Survey Report Poseidon Seawater Desalination Plant Pump Station Site Near the City of Newport Beach Orange County, California	2002	Tustin	Within the City
Thane, Michael D.	2494	Proposed Sheraton Rooftop Site 4701 Von Karman Avenue Newport Beach, Orange County, California	2001	Tustin	Within the City
unknown	2534	Annual Report to the Irvine Company from Archaeological Research, Inc.	1976	Tustin, Laguna Beach, Orange, San Juan Capistrano, Black Star Canyon	Within the City
Crabtree, Robert H.	2535	Project Interhope Inc. and Golden Construction Company Residential Development	1973	Newport Beach	Within Subarea
Crabtree,	2536	Harborview Hills Development, Section 3	1973	Laguna	Within

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Robert H.		and 4, Sites 11, 13, and 14		Beach	the City
Duke, Curt	2543	Cultural Resources Assessment At&T Wireless Services Facility No. 13240a Orange County, California	2002	Laguna Beach	Within the City
Duke, Curt	2552	Cultural Resources Assessment At&T Wireless Services Facility No. 13066a Orange County, California	2002	Newport Beach	Within the City
unknown	2570	Final Salvage Report: Data Compendium Archaeological Resources of the Irvine Coast CA-ORA-664 (golf course)	1990	Laguna Beach	Within the City
unknown	2571	Final Salvage Report: Data Compendium Archaeological Resources of the Irvine Coast CA-ORA-660 (Crystal Shores)	1990	Laguna Beach	Within the City
Cottrell, Marie G.	2600	Archaeological Research, Inc. Quarterly Report	1975	Laguna Beach, Newport Beach, Tustin, El Toro	Within the City
Pletka, Nicole	2629	Results of Archaeological Monitoring the Bluffs Retain Center Newport Beach, Orange County, California	2003	Tustin	Within the City
Duke, Curt	2631	Cultural Resource Assessment Cingular Wireless Facility No. Sc 026-02 Orange County, California	2001	Laguna Beach	Within the City
McLean, Deborah K.	2632	Archaeological Monitoring Report for the Irvine Avenue Water Main Project in the City of Newport Beach, Orange County, California	2003	Newport Beach	Within the City
unknown	2675	Testing and Evaluation of CA-ORA-1098 Bayview Senior Housing and Park Project Newport Beach, Orange County, California	2003	Newport Beach	Within the City
McLean, Deborah K.	2880	Results of the Cultural Resources Monitoring for the San Diego Creek North/Fletcher Jones Motor Cars Project. City of Newport Beach, Orange County, California	1997	Tustin	Within the City
Thal, Sean	2886	CA-8732b/Shockey II 17683 Lakeview Avenue, Yorba Linda, CA Orange County	2004	Yorba Linda	Within the City
Mason, Roger D.	2956	Cultural Resources Survey Report for a Verizon Telecommunications Facility: Sage Hill Located in Newport Beach Orange County, California	2005	Laguna Beach	Within the City
Mason, Roger D.	2957	Cultural Resources Survey Report for a Verizon Telecommunications Facility: Saint	2005	Laguna Beach	Within the City

Author	Report Number (OR-)	Report Title	Date	USGS Quad	Location
		Laurent Located in Newport Beach Orange County, California			
Kyle, Carolyn E.	2958	Cultural Resources Assessment for At&T Wireless Facility 950-013-239d Located at 21693 San Joaquin Hills Road City of Newport Beach Orange County, California	2005	Laguna Beach	Within the City
Duke, Curt	2960	Cultural Resource Assessment At&T Wireless Services Facility No. 13238a Orange County, California	2002	Laguna Beach	Within the City
Macko, Michael E. and Mason, Roger D.	2966	Cultural Resources Survey Report Pacific Coast Highway Widening Project Between Corona Del Mar and Muddy Canyon	1989	Laguna Beach	Within the City
Mason, Roger D.	2971	Results of Stage II Mitigation of Impacts at Archaeological Site ORA-323 in Crystal Cove State Park Near Muddy Canyon Orange County, California	1993	Laguna Beach	Within the City
Mason, Roger D. and Mark L. Peterson	2972	Newport Coast Archaeological Project Newport Coast Settlement Systems: Summary and Discussion Volume II: Technical Appendices	1994	Laguna Beach	Within the City
Smith, David M. and Christopher E. Drover	2973	An Evaluation of CA-ORA-1511: A Prehistoric Site Discovered During Grading Monitoring at Crystal Cove Orange County, California	2004	Laguna Beach	Within the City
Chace, Paul G., Cooper, John D., and Reeves, Charles E.	2974	Results of Archaeological and Paleontological Monitoring Ridge Park Road Irvine Coast Assessment District 88-1 County of Orange Job Number 12612	1996	Laguna Beach	Within the City
unknown	2975	Newport Coast Archaeological Project: Catalog of Artifacts Recovered From the Test Program the Data Recovery Program and the Construction Monitoring Program at CA-ORA-246 in Crystal Cove State Park	unknown	Laguna Beach	Within the City
unknown	2977	Results of Cultural Resources Monitoring, Macarthur Boulevard Widening Project, City of Newport Beach, Orange County, California	1997	Laguna Beach	Within the City
Sikes, Nancy E.	1980	Cultural Resource Reconnaissance and Monitoring of Underground Cable Installation Along Highway 1 (Pacific Coast Highway), Newport Beach, Orange County, California	2003	Laguna Beach	Within the City
Smith, Brooks R. and	2981	Results of Archaeological Resource Mitigation Monitoring for Beachtown II	2003	Laguna Beach	Within the City

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Buffington, Kevin S.		Lower Custom and Merchant Builder Grading Portion of Tentative Tract 15586 Crystal Cove Area Orange County, California			
Smith, Brooks R. and Buffington, Kevin S.	2982	Results of Archaeological Resource Mitigation Monitoring for Wishbone Ridge Emergency Access Road	2003	Laguna Beach	Within the City
Smith, Brooks R. , William A. Sawyer, and Kevin Buffington	2983	Results of Archaeological Resource Mitigation Monitoring for Planning Areas 4a and 4b, Phase I Lower Custom and Merchant Builder Grading Tract 15981 and Tentative Tract 15613 Crystal Cove Area Orange County, California	2003	Laguna Beach	Within the City
Baker, Charles	2984	Historic Property Survey Report Crystal Cove Cease and Desist Project 12-ORA-1 Kp 19.5-21.6 (pm 12.1-13.4) ea 0c3800	2003	Laguna Beach	Within the City
Duke, Curt	2994	Cultural Resource Assessment Cingular Wireless Facility No. Sc 037-02 Orange County, California	2002	Laguna Beach	Within the City
Eberhart, Hal	2995	Letters Regarding Permission to Excavate Irvine Company Site, ORA-232 (French Flat)	1970	Laguna Beach	Within the City
Shaver, Noelle C.S.	2997	Final Cultural Resources Mitigation Monitoring Report for the Crystal Cove Cease and Desist Order Project, State Route 1, Laguna Beach, California	2005	Laguna Beach	Within the City
Carver, Larrynn	2998	Moro Canyon Re-Recording Project Crystal Cove State Park, Orange County, California	2003	Laguna Beach	Within the City
Billat, Lorna	2999	Nextel Communications Wireless Telecommunications Service Facility- Orange County	2000	Newport Beach	Within the City
Fulton, Terri	3001	Cultural Resource Assessment for Verizon Wireless Balboa Island Facility Cyg530 City of Newport Beach, Orange County, California	2005	Newport Beach	Within the City
Duke, Curt	3004	Cultural Resource Assessment At&T Wireless Services Facility No. 13060a, Orange County, California	2002	Newport Beach	Within the City
Demcak, Carol R.	3007	Report of Archaeological Resources Assessment for Placentia Avenue Reconstruction Project, City of Costa Mesa, Orange County, California	2002	Newport Beach	Within the City
Duke, Curt	3009	Cultural Resource Assessment At&T Wireless Services Facility No. 13222a,	2002	Newport Beach	Within the City

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		Orange County, California			
Carver, Larrynn	3061	Coastal Midden Protection and Preservation Program Crystal Cove State Park, Orange County, California	2003	Laguna Beach	Within the City
Drover, Christopher E. and David Smith	3077	Research Design Outline for an Archaeological Test Evaluation of Five Sites on the Newport Banning Ranch Property, Newport Beach, California	2000	Newport Beach	Within the City
Hatheway, Roger G.	3230	Buffalo Ranch a Determination of Eligibility/Significance Report and Impact/Mitigation Analysis for the Ford Road Realignment Eir	1991	Tustin	Within the City
Scott, Kim and Brodie, Julie Scrivner	3233	Cultural Resources Monitoring Report for the Moffett Meadows Project City of Irvine, California	2005	Tustin	Within the City
Shepard, Richard S.	3254	Cultural Constraints Assessment: Modifications to San Diego Creek Channel (f05), Irvine and Newport Beach, Orange County, California	2003	Tustin	Within the City
Cerrero, Richard and Gallegos, Dennis R.	3275	Cultural Resource Survey Report for the Irvine Ranch Water District, San Joaquin Reservoir Project Orange County, California	2000	Tustin, Laguna Beach	Within the City
Mason, Roger D.	3286	Cultural Resources Records Search and Field Survey Report for a Verizon Telecommunications Facility: Bi Canyon in the City of Newport Beach Orange County, California	2003	Newport Beach, Tustin	Within the City
McLean, Deborah K.	3288	The City of Newport Beach IV Reforestation and Irrigation Project	2001	Laguna Beach, Newport Beach	Within the City
Drover, Christopher E., Bonner, Wayne, McCarthy, Daniel and David Smith	3294	Testing and Evaluation of CA-ORA-269 and CA-ORA1485, Planning Area 27, Irvine, California	2001	Laguna Beach, Tustin	Within the City
Delu, Antonina and Smith, Brooks	3325	Cultural Resources Mitigation Monitoring Report, Saint Mark Presbyterian Church Project, City of Newport Beach, Orange County, California	2006	Laguna Beach	Within the City
Baker, Charles	3329	Restore a Slope Along State Route 1 (Pacific Coast Highway) Within Crystal	2005	Laguna Beach	Within the City

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		Cove State Park, in Orange County, California			
McLean, Roderic, Ivan H. Strudwick, Brooks Smith, William "Tony" Sawyer, and Phil Fulton	3342	Results of Archaeological Monitoring Bayview Park/Bayview Senior Affordable Housing Project, City of Newport Beach, Orange County, California	2004	Newport Beach	Within the City
Scriopoli, Cheryl	3372	The Relinquishment of a Segment of State Route 1 (pch) to the City of Newport Beach From Jamboree Road to Newport Coast Drive, in the City of Newport Beach, Orange County, California	2003	Laguna Beach, Newport Beach	Within the City
Bonner, Wayne H.	3387	Cultural Resources Records Search and Site Visit Results for Royal Street Communications, Llc Candidate La2773a (our Lady of Mt. Carmel Church), 1441 West Balboa Boulevard, Newport Beach, Orange County, California	2007	Newport Beach	Within the City
Delu, Antonina and Brooks Smith	3399	Cultural Resources Mitigation Monitoring Report Villa Del Lago Project City of Newport Beach, Orange County, California	2007	Laguna Beach	Within the City
Bonner, Wayne H.	3440	Cultural Resource Records Search Results and Site Visit for T-Mobile Candidate La02934b (see San Joaquin Hills Road), South of San Joaquin Hills Road, East of Spyglass Hills Road, Newport Beach, Orange County, California	2006	Laguna Beach	Within the City
Wood, Catherine M.	3502	Archaeological Survey Report San Diego Creek (facility F05) Upper Newport Bay to I-405 Freeway Programmatic Maintenance Project, Orange County, California	2007	Tustin	Within the City
Johnson, Brent	3503	Cultural Resources Records Search for Royal Street Communications, LLC, LA2793/Marriott Vacation Club, 23000 Newport Coast Drive, Newport Beach, California Ebi Project # - 31073125	2007	Laguna Beach	Within the City
Strudwick, Ivan H. and Riordan L. Goodwin	3535	Cultural Resource Assessment Survey, For the 403-Acre Banning Ranch Property, City of Newport Beach, Orange County, California	2008	Newport Beach	Within the City
Bonner, Wayne H.	3543	Cultural Resources Record Search and Site Visit Results for T-Mobile Candidate LA02869D (Newport Mariners Park), Irvine	2008	Newport Beach	Within the City

Author	Report Number (OR-)	Report Title	Date	USGS Quad	Location
		Avenue and Dover Street, Newport, Orange County, California			
unknown	3544	Historic American Building Survey, South Coast Shipyard, Newport Bay Marina	2009	Newport Beach	Within the City
Wlodarski, Robert J.	3558	Record Search and Field Reconnaissance for Proposed At&T Wireless Telecommunications Site LAR 129, Temple Bat Yahm	2009	Tustin	Within the City
Bonner, Wayne H.	3567	Cultural Resources Records Search and Cite Visit Results for AT&T Mobility, LLC, Candidate OC0073 (Pelican Hill Resort- Locations 1A, 1B, 2, 3, 4A, 4B, and 5), 22872 Pelican Hill Road South, Newport Beach, Orange County, California	2008	Laguna Beach	Within Subarea
Murray, J.R. and D.M. Van Horn	3577	Archaeological Survey Report: Limited Posthole Tests at ORA-839, Located in the Mobil Oil Field Adjacent to Costa Mesa, Orange County, California	1980	Newport Beach	Within the City
Van Horn, David M.	3578	Test Excavation Report: ORA-845 (ACE-SAR-8) Located on the Banning Oil Lease, Newport Beach, California	19981	Newport Beach	Within the City
Van Horn, David M. and J.P. Brock	3579	Archaeological Posthole Testing Report: ORA-148, on Mobil Oil Land, near Costa Mesa, Orange County, California	1980	Newport Beach	Within the City
Colquehoun, Carole	3580	Archaeological Survey Report: Mobile Oil Land, Near Costa Mesa, in the County of Orange, CA- Includes Addendum	1979	Newport Beach	Within the City
Van Horn, David M.	3581	Initial Archaeological Test Excavations at ORA-839 on the Banning Oil Lease Near Newport Beach, California (Includes Addendum)	1980	Newport Beach	Within the City
Wlodarski, Robert J.	3584	Field Reconnaissance for Proposed Bechtel Wireless Telecommunications Site LA3031, Harbor Church and School, Newport Beach, CA	2009	Newport Beach	Within the City
Schlesinger, Mike	3604	An Archaeological Test Evaluation of Eight Sites on the Newport Banning Ranch Property, Newport Beach, California	2000	Newport Beach	Within the City
Desautels, Roger J.	3608	Scientific Coordination Report, June 21, 1973 Through September 30, 1973	1973	Newport Beach	Within the City
McKenna, Jeanette A.	3616	Negative Archaeological Survey Report to Construct a New Oc-9 (21 Inch) Transmission Pipeline Within the Existing Newlad Street Right-of-Way, Extending From Edinger Ave and Yorktown Ave; and	2004	Newport Beach	Within the City

Author	Report Number (OR-)	Report Title	Date	USGS Quad	Location
		a New 12 Inch Distribution Main Between Warner Ave. and Heil Ave.			
Gust, Sherri	3619	Archaeological and Paleontological Evaluation Report and Mitigation Plan, Newport Boulevard Right-Turn Lane Addition at Hospital Road, Newport Beach, California	2004	Newport Beach	Within the City
Mason, Roger D.	3623	Cultural Resources Survey Report for a Verizon Telecommunications Facility: Galaxy Located in Newport Beach, Orange County, California	2005	Newport Beach	Within the City
Brown, Joan C.	3626	Cultural Resources Monitoring for the Hoag Memorial Hospital Presbyterian Central Plant (Cogen Building), City of Newport Beach, Orange County, California	2004	Newport Beach	Within the City
McLean, Deborah K.	3646	Results of Archaeological and Paleontological Monitoring for the Bonita Canyon Sports Park Project in the City of Newport Beach, Orange County, California	2001	Newport Beach, Laguna Beach, Tustin	Within the City
Marvin, Judith and Shannon Carmack	3709	Historical Resource Assessment The South Coast Shipyard City of Newport Beach Orange County, California	2005	Newport Beach	Within the City
McKenna, Jeanette A.	3710	Seashore Village, Orange County, California	2007	Newport Beach	Within the City
Hollins, Jeremy	3771	Verizon Cellular Communications Tower Site - Balboa Inn, 105 Main Street (APN: 048-135-07), Newport Beach, CA 92661	2009	Newport Beach	Within the City
Brown, Joan C. and Patrick Maxon	3842	Phase I Cultural Resources Assessment for the Poseidon Seawater Desalination Project, Huntington Beach, Orange County, California	2010	Newport Beach, Tustin	Within the City
McLean, Deborah K.	3868	Archaeological Assessment Report for the Newport Beach City Hall and Park Development Plan Project, City of Newport Beach, Orange County, California	2009	Laguna Beach	Within the City
Billat, Lorna	3904	Collocation Submission Packet- AT&T Switch, CA-ORC0516A	2010	Tustin	Within the City
McKenna, Jeanette A.	3913	Archaeological Records Search, Corona Del Mar High School, Orange County, California	2010	Newport Beach, Tustin	Within the City
Billat, Lorna	3951	Macarthur Substation, CA-ORC5097A- New Tower Submission Packet	2010	Tustin	Within the City
McKenna, Jeanette	3957	Mariner's Point, Newport Beach, California	2011	Newport Beach	Within the City

Author	Report Number (OR-)	Report Title	Date	USGS Quad	Location
Kim, Steve	3972	Proposed Federal Aviation Administration (FAA) Airport Surface Detection Equipment, Model X (ASDE-X) System to Serve John-Wayne - Orange County Airport (SNA), Santa Ana, California	2007	Newport Beach, Laguna Beach, Tustin	Within the City
Deering, Mark and Roger D. Mason	3989	Cultural Resources Documentation and Monitoring of Southern California Edison Access Roads During Maintenance by the Orange County Fire Authority, 2010 Orange County, California	2011	Laguna Beach & Tustin	Within the City
Deering, Mark and Roger D. Mason	4029	Cultural Resources Monitoring of Southern California Edison Access Roads Maintained by Orange County Fire Authority, Orange County, California (JPA E6088-0031; I.O. 305869)	2010	Laguna Beach & Tustin	Within the City
Johnson, Brent	4038	Cultural Resources Records Search and Site Survey for Royal Street Communications, LLC LA2508B/2043 Westcliff Drive, Newport Beach, California 92660 Paratus Project No. 08-101.003	2008	Newport Beach	Within the City
Pletka, Nicole	4083	Late Holocene Gabrielino Settlement Patterns in the Newport Coast Area of California: A Geographic Information Systems Based Approach	2005	Laguna Beach	Within the City
Fulton, Phil	4103	Finding of Effect for the Route 73 Basin Sedimentation Project, Orange County, California	2009	Laguna Beach, Newport Beach, Tustin	Within the City
Pettus, Roy, Alexa Clausen, and Michael Sampson	4126	Historic Property Survey Report/Determination of Eligibility and Finding of no Adverse Effect for El Morro Conversion Project, Crystal Cove State Park, Orange County, California	2004	Laguna Beach	Within the City
Supernowicz, Dana	4160	Cultural Resources Study of the Newport/Balboa Project, AT&T Site No. LAC448, 3333 Pacific Coast Highway, Newport Beach, Orange County, California 92663	2011	Newport Beach	Within the City
Wlodarski, Robert J.	4163	LA3031-Harbor Church and School, 798 Dover Drive Newport Beach, CA 92663	2011	Newport Beach	Within the City
Bonner, Wayne	4180	Cultural Resources Records Search and Site Visit Results for Verizon Wireless Candidate St. Laurent, 22183 Newport Coast Drive, Newport Beach, Orange	2011	Laguna Beach	Within the City

Author	Report Number (OR-)	Report Title	Date	USGS Quad	Location
		County, California			
Maxon, Patrick	4187	Phase I Cultural Resources Assessment, Orange Coast College Project, Newport Beach, Orange County, California	2010	Newport Beach	Within the City
Duke, Curt	4197	Cultural Resources Assessment for Wireless Telecommunications Facility Number, 2CA60023, Galaxy Newport Beach, Orange County Mobility	2011	Newport Beach	Within the City
Farrar, Corice	4214	U.S. Army Corps of Engineers, 1913 East Bay Avenue Seawall Replacement Project, Newport Beach, Orange County	2012	Newport Beach	Within the City
Supernowicz, Dana	4222	Architectural Evaluation Report of the Westcliff Drive Project, AT&T Mobility Site no. OC0324, 2043 Westcliff Drive, Newport Beach, Orange County, California	2011	Newport Beach	Within the City
Supernowicz, Dana	4238	Cultural Resources Study of the Balboa Inn Project, Metropics California, LLC Site No. MLA04249, 105 Main St Newport Beach, Orange County, California	2012	Newport Beach	Within the City
Supernowicz, Dana	4239	Archaeological Survey Report of the Newport/Balboa Project, AT&T Site No, LAC448, 3333 Pacific Coast Highway, Newport Beach, Orange County, California	2012	Newport Beach	Within the City
Supernowicz, Dana	4241	Archaeological Survey Report of the Westcliff Drive Project, AT&T Mobility Site no. OC0324, 2043 Westcliff Drive, Newport Beach, Orange County, California	2012	Newport Beach	Within the City
Maxon, Patrick	4274	Draft Environmental Impact Report Sunset Ridge Park Project, Sch. No 2009051036 Volume I	2009	Newport Beach	Within the City

APPENDIX D: PREVIOUSLY RECORDED CULTURAL RESOURCES

Primary No. (P-30-)	Trinomial (CA-ORA-)	Date	Site Description	NRHP/CRHR Status	CHL	HRI	Quad	Location
43	43	1949	Prehistoric shell middens and habitation site near and through ravine				Newport Beach	Within the City
44	44	1949	Prehistoric site with 2 middens				Newport Beach	Within the City
45	45	1949	Prehistoric site with shell middens				Newport Beach	Within the City
46	46	1949	Prehistoric site with shell midden				Newport Beach	Within the City
47	47	1949	Prehistoric site with shell midden				Newport Beach	Within the City
48	48	1949	Prehistoric site with shell midden				Newport Beach	Within the City
49	49	1949	Prehistoric site with shell midden and charcoal				Newport Beach	Within the City
50	50	1949	Prehistoric site with shell midden				Newport Beach	Within the City
51	51	1949	Prehistoric, very concentrated shell midden				Newport Beach	Within the City
52	52	1949	Prehistoric, shallow shell midden				Newport Beach	Within the City
53	53	1949	Prehistoric, very concentrated midden that includes shell, fish bone, and bird bone. Also a bead and cobble were found				Newport Beach	Within the City
54	54	1949	Prehistoric site with shell midden and an artifact				Tustin	Within the City
55	55	1949	Prehistoric shell midden				Tustin	Within the City
56	56	1949	Prehistoric site with shell and flakes				Tustin	Within the City
57	57	1949	Prehistoric and Historic site consisting of shell middens, foundations, water tank, flaked lithics, groundstone tools, burned basalt, and faunal remains				Tustin	Within the City
58	58	1949	Prehistoric habitation site with burials, artifacts, and middens				Newport Beach	Within the City
59	59	1949	Prehistoric camp site				Newport Beach	Within the City
60	60	1949	Prehistoric site with shell midden				Newport Beach	Within the City
61	61	1949 ?	Possible prehistoric site				Newport Beach	Within the City
62	62	1949 ?	Possible prehistoric site				Newport Beach	Within the City
63	63	1966	Prehistoric site with shell				Newport	Within

Primary No. (P-30-)	Trinomial (CA-ORA-)	Date	Site Description	NRHP/CRHR Status	CHL	HRI	Quad	Location
			midden				t Beach	the City
64	64	1965	Prehistoric habitation site with shell, lithic and artifacts				Newport Beach	Within the City
65	65	1980	Prehistoric and historic site. ceramic sherds. Possible camp site				Newport Beach	Within the City
66	66	1985	Prehistoric camp site with shell midden				Newport Beach	Within the City
67	67	1949	Prehistoric camp site				Newport Beach	Within the City
68	68	1966	Prehistoric site with shell midden				Newport Beach	Within Subarea
69	69	1949	Possible prehistoric camp site				Newport Beach	Within Subarea
70	70	1966	Prehistoric site with shell midden				Newport Beach	Within the City
71	71	1949	Possible prehistoric camp site				Newport Beach	Within the City
72	72	1949	Prehistoric site with shell midden				Newport Beach	Within the City
77	77	1949	Prehistoric site with shell middens, shell beads, groundstone tools, and flaked lithic				Tustin	Within the City
90	90	1966	Prehistoric site with shell midden, flakes, ground stone				Newport Beach	Within the City
91	91	1966	Prehistoric site with shell midden on hill				Newport Beach	Within the City
92	92	1966	Prehistoric site with shell midden and some artifacts				Tustin	Within the City
93	93	1966	Prehistoric site with shell, flakes, ground stone, and vertebrae				Newport Beach	Within the City
94	94	1966	Prehistoric site with shell, flakes, ground stone				Newport Beach	Within the City
95	95	1966	Prehistoric site with shell midden and flakes				Newport Beach	Within the City
96	96	1966	Prehistoric site with shell midden and flakes				Newport Beach	Within the City
97	97	1966	Prehistoric site with shell midden and flakes				Newport Beach	Within the City
98	98	1965	Prehistoric site with small amounts of shell				Newport Beach	Within the City
99	99	1965	Prehistoric site with midden				Newport Beach	Within the City
100	100	1965	Prehistoric site with shell midden				Newport Beach	Within the City
102	102	1948	Prehistoric site with shell midden and village site				Tustin	Within the City

Primary No. (P-30-)	Trinomial (CA-ORA-)	Date	Site Description	NRHP/CRHR Status	CHL	HRI	Quad	Location
106	106	1950	Prehistoric village site with burials, artifacts, and middens				Tustin	Within the City
107	107	1950	Prehistoric site with burials, middens, and artifacts				Tustin	Within the City
109	109	1950	Prehistoric site with burials, middens, and artifacts				Tustin	Within the City
115	1115	1977	Prehistoric site with some shell				Newport Beach	Within the City
124	124	1950	Prehistoric site with burials, middens, and artifacts				Tustin	Within the City
125	125	1981	Prehistoric site with small shell midden				Tustin	Within the City
130	130	1963	Prehistoric site with artifacts				Laguna Beach	Within the City
136	136	1965	Prehistoric site with shell midden and flaked stone artifacts				Newport Beach	Within the City
137	137	1965	Prehistoric site with shell midden and debitage				Laguna Beach	Within the City
138	138	1965	Prehistoric site with shell midden and flakes				Laguna Beach	Within Subarea
139	139	1965	Prehistoric site with shell midden and flakes				Laguna Beach	Within Subarea
140	140	1965	Prehistoric site with shell midden and flaked knife				Newport Beach	Within Subarea
141	141	1965	Prehistoric site with shell midden				Newport Beach	Within Subarea
146	146	1965	Prehistoric site with many artifacts				Laguna Beach	Within the City
147	147	1962	Prehistoric site with small shell midden, artifacts and debitage				Laguna Beach	Within the City
148	148	1964	Possible prehistoric shell midden				Newport Beach	Within the City
150	150	1965	Large prehistoric shell midden with artifacts				Newport Beach	Within the City
151	151	1965	Large shell midden prehistoric site with artifacts				Newport Beach	Within the City
152	152	1965	Prehistoric site with shell midden				Newport Beach	Within the City
153	153	1965	Prehistoric site with shell midden				Newport Beach	Within the City
154	154	1965	Prehistoric site with shell midden				Newport Beach	Within the City
155	155	1965	Prehistoric site with shell midden				Newport Beach	Within the City
156	156	1965	Prehistoric site with shell midden				Newport Beach	Within the City
157	157	1966	Prehistoric site with shell midden and some chert				Newport Beach	Within Subarea

Primary No. (P-30-)	Trinomial (CA-ORA-)	Date	Site Description	NRHP/CRHR Status	CHL	HRI	Quad	Location
			debitage					
158	158	1966	Prehistoric site with small amounts of shell and some ground stone				Newport Beach	Within Subarea
159	159	1966	Prehistoric site with small amounts of shell and some flaked artifacts				Newport Beach	Within Subarea
160	160	1966	Prehistoric site with small amounts of shell and some flaked artifacts				Laguna Beach	Within the City
164	164	1960	Prehistoric site with artifacts				Newport Beach	Within the City
166	166	1962	Prehistoric site with shell midden and various artifacts				Newport Beach	Within the City
167	167	1966	Prehistoric site with shell midden and various artifacts				Laguna Beach	Within Subarea
168	168	1965	Prehistoric site with shell midden and various artifacts				Newport Beach	Within the City
170	170	1965	Prehistoric site with shell midden and artifact fragments				Newport Beach	Within the City
171	171	1963	Prehistoric site with shell midden and artifact fragments				Newport Beach	Within the City
172	172	1965	Prehistoric site with shell midden and artifact fragments				Newport Beach	Within the City
186	186	1965	Prehistoric site with shell midden and various artifacts				Newport Beach	Within the City
189	189	1966	Prehistoric site with highly concentrated shell midden and various artifacts				Laguna Beach	Within the City
190	190	1966	Prehistoric shell midden with various artifacts including many points				Laguna Beach	Within the City
191	191	1966	Prehistoric site with shell midden				Newport Beach	Within the City
192	192	1966	Prehistoric site with shell midden and artifacts				Tustin	Within the City
193	193	1966	Prehistoric site with shell midden and fish vertebrae				Newport Beach	Within the City
194	194	1981	Prehistoric Site-Millingstone frag				Newport Beach	Within the City
198	198	1965	Prehistoric site with heavy midden (shell)				Laguna Beach	Within the City
199	199	1965	Prehistoric shell midden with various artifacts				Laguna Beach	Within the City
200	200	1965	Prehistoric shell midden				Laguna Beach	Within the City

Primary No. (P-30-)	Trinomial (CA-ORA-)	Date	Site Description	NRHP/CRHR Status	CHL	HRI	Quad	Location
201	201	1965	Prehistoric site with shell midden and various artifacts				Laguna Beach	Within the City
202	202	1966	Prehistoric site with artifacts				Laguna Beach	Within the City
203	203	1966	Prehistoric site with shell midden and various artifacts				Laguna Beach	Within the City
204	204	1966 ?	Prehistoric site with shell midden, fireplace feature and various artifacts				Laguna Beach	Within the City
205	205	1966	Prehistoric site with light shell and artifacts				Laguna Beach	Within the City
206	206	1966	Prehistoric site with dense and extensive shell middens				Tustin	Within the City
207	207	1966	Prehistoric site with shell midden				Tustin	Within the City
208	208	1966	Prehistoric site with shell midden				Tustin	Within the City
209	209	1966	Prehistoric site with shell midden				Tustin	Within the City
210	210	1966	Prehistoric shell midden located in cave				Tustin	Within the City
211	211	1966	Prehistoric site with shell midden and artifacts				Tustin	Within the City
212	212	1966	Prehistoric site with shell middens				Tustin	Within the City
214	214	1966	Prehistoric site with shell middens				Tustin	Within the City
215	215	1966	Prehistoric site with shell middens and artifacts				Tustin	Within the City
216	216	1966	Prehistoric site with shell middens and artifacts				Tustin	Within the City
217	217	1966	Prehistoric site with shell middens				Laguna Beach	Within the City
220	220	1965	Prehistoric site with shell middens and artifacts				Tustin	Within the City
221	221	1966	Prehistoric site with shell middens and artifacts				Tustin	Within the City
223	223	1965	Prehistoric site with shell middens and artifacts				Tustin	Within the City
224	224	1966	Prehistoric site with shell middens and artifacts				Tustin	Within the City
225	225	1966	Prehistoric site with shell middens and artifacts				Tustin	Within the City
226	226	1966	Prehistoric site with shell middens and artifacts				Tustin	Within the City
227	227	1966	Prehistoric site with shell middens and artifacts				Laguna Beach	Within the City
229	229	1966	Prehistoric site with shell middens and artifacts				Laguna Beach	Within the City
230	230	1966	Prehistoric site with shell middens and artifacts				Laguna Beach	Within the City

Primary No. (P-30-)	Trinomial (CA-ORA-)	Date	Site Description	NRHP/CRHR Status	CHL	HRI	Quad	Location
231	231	1960	Prehistoric site with shell middens, features, and artifacts				Laguna Beach	Within the City
232	232	1968	Prehistoric site with artifacts and features				Laguna Beach	Within the City
233	233	1968	Prehistoric site with flaked and ground stone artifacts				Laguna Beach	Within the City
235	235	1967	Prehistoric site with shell midden				Laguna Beach	Within the City
236	236	1968	Prehistoric site with shell middens and artifacts				Laguna Beach	Within the City
246	246	1967	Prehistoric site with bone frags. And artifacts				Laguna Beach	Within the City
255	255	1969	Prehistoric site with shell midden, bone frags. And artifacts				Laguna Beach	Within the City
271	271	1969	Prehistoric site with shell midden				Laguna Beach	Within the City
272	272	1969	Prehistoric, small amount of shell				Laguna Beach	Within the City
274	274	1969	Prehistoric site with shell, artifacts, petroglyphs, and some bone frags				Laguna Beach	Within the City
275	275	1969	Prehistoric small amounts of shell				Laguna Beach	Within the City
323	323	1980	Prehistoric site with artifacts and shells				Laguna Beach	Within the City
336	336	1971	Prehistoric site with possible glyph				Laguna Beach	Within the City
337	337	1971	Prehistoric site with small amount of artifacts and shell				Laguna Beach	Within the City
338	338	1971	Outcropping and possible prehistoric shell midden				Laguna Beach	Within the City
339	339	1971	Prehistoric lithic scatter				Laguna Beach	Within the City
340	340	1971	Prehistoric site with shell midden and artifacts				Laguna Beach	Within the City
347	347	1972	Prehistoric site with light shell concentration				Newport Beach	Within the City
351	351	1972	Prehistoric site with light shell concentration				Tustin	Within the City
357	357	1973	Prehistoric site with light shell scatter				Newport Beach	Within the City
480	480	1974	Prehistoric site with flakes and shell midden				Tustin	Within the City
481	481	1974	Prehistoric site with flakes and shell midden				Tustin	Within the City
483	483	1974	Prehistoric site with flakes and shell midden				Tustin	Within the City
518	518	1976	Prehistoric site with shell midden				Newport Beach	Within the City

Primary No. (P-30-)	Trinomial (CA-ORA-)	Date	Site Description	NRHP/CRHR Status	CHL	HRI	Quad	Location
616	616	1977	Prehistoric site with small amounts of shell				Laguna Beach	Within the City
618	618	1977	Prehistoric site with shell and artifacts				Laguna Beach	Within the City
619	619	1977	Prehistoric site with small amounts of shell				Laguna Beach	Within the City
620	620	1977	Prehistoric site with artifacts				Laguna Beach	Within the City
660	660	1977	Prehistoric site with lithic artifacts and shell				Laguna Beach	Within the City
661	661	1977	Prehistoric site with lithic artifacts and shell				Laguna Beach	Within the City
662	662	1977	Prehistoric habitation site with lithic artifacts and shell				Laguna Beach	Within the City
663	663	1977	Prehistoric site with shell, bone, and artifacts				Laguna Beach	Within the City
664	664	1977	Prehistoric site with lithic artifacts and shell				Laguna Beach	Within the City
665	665	1977	Prehistoric site with lithic artifacts and shell				Laguna Beach	Within Subarea
666	666	1977	Prehistoric site with lithic artifacts and shell				Laguna Beach	Within the City
667	667	1977	Prehistoric site with lithic artifacts and shell				Laguna Beach	Within the City
668	668	1977	Prehistoric site in rock shelter opening with shell midden				Laguna Beach	Within the City
669	669	1977	Prehistoric site with artifacts and shells				Laguna Beach	Within the City
670	670	1977	Prehistoric site with two loci consisting of shell and artifacts				Laguna Beach	Within the City
671	671	1977	Prehistoric site with shell midden, outcrops and artifacts				Laguna Beach	Within the City
672	672	1977	Prehistoric site with shell midden in rock shelter				Laguna Beach	Within the City
673	673	1977	Prehistoric site with shell midden and lithics				Laguna Beach	Within Subarea
674	674	1977	Prehistoric site with shell midden in rock shelter				Laguna Beach	Within the City
675	675	1977	Prehistoric site with shell midden and lithics				Laguna Beach	Within the City
676	676	1977	Prehistoric site with shell midden and lithics				Laguna Beach	Within the City
677	677	1977	Prehistoric site with shell midden				Laguna Beach	Within the City
678	678	1977	Prehistoric site with shell midden				Laguna Beach	Within the City
679	679	1971	Prehistoric site with petroglyphs and artifacts, shell midden				Laguna Beach	Within the City

Primary No. (P-30-)	Trinomial (CA-ORA-)	Date	Site Description	NRHP/CRHR Status	CHL	HRI	Quad	Location
680	680	1977	Prehistoric site with scrapers and debitage				Laguna Beach	Within the City
681	681	1977	Prehistoric site with ceramic sherds				Laguna Beach	Within the City
683	683	1977	Prehistoric site with artifacts, a feature, and shell				Laguna Beach	Within the City
684	684	1977	Prehistoric site with shell and lithic scatter				Laguna Beach	Within the City
685	685	1977	Prehistoric and historic site with shell midden, ceramics, bottles and other artifacts				Laguna Beach	Within the City
686	686	1977	Prehistoric site with shell scatter				Laguna Beach	Within the City
689	689	1977	Prehistoric site rock shelter with shell midden, artifacts, and mammal bone				Laguna Beach	Within the City
744	744	1978	Prehistoric site with artifacts including ground stone and flaked lithics				Newport Beach	Within the City
797	797	1979	Prehistoric site with shell and other artifacts				Laguna Beach	Within Subarea
833	833	1979	Prehistoric site located in cave and includes shell, artifacts, and human remains				Laguna Beach	Within the City
839	839	1979	Prehistoric site with 4 loci: shell midden and artifacts				Newport Beach	Within the City
843	843	1979	Prehistoric site with shell midden				Newport Beach	Within the City
844	844	1979	Prehistoric site with highly disturbed shell midden				Newport Beach	Within the City
845	845	1979	Prehistoric site with shell midden				Newport Beach	Within the City
906	906	1980	Prehistoric site with shell midden and bird bone				Newport Beach	Within the City
925	925	1980	Prehistoric site with sparse shell and flakes				Laguna Beach	Within the City
926	926	1980	Prehistoric site with sparse shell and flakes				Laguna Beach	Within the City
927	927	1980	Prehistoric site with sparse shell, faunal remains and flakes				Laguna Beach	Within the City
928	928	1980	Prehistoric site with sparse shell, faunal remains and artifacts				Laguna Beach	Within the City
929	929	1980	Prehistoric site with sparse shell, faunal remains and artifacts				Laguna Beach	Within the City
930	930	1980	Prehistoric site with sparse shell, faunal remains and artifacts				Laguna Beach	Within the City

Primary No. (P-30-)	Trinomial (CA-ORA-)	Date	Site Description	NRHP/CRHR Status	CHL	HRI	Quad	Location
932	932	1980	Prehistoric site with small shell scatter				Laguna Beach	Within the City
933	933	1980	Prehistoric site with small shell scatter				Laguna Beach	Within the City
965	965	1980	Prehistoric site with flake and shell scatter				Laguna Beach	Within the City
971	971	1980	Prehistoric site with shell, flakes, and artifacts				Laguna Beach	Within the City
998	998	1981	Prehistoric site with artifacts				Laguna Beach	Within the City
999	999	1981	Prehistoric site with artifacts				Laguna Beach	Within the City
1002	1002	1981	Prehistoric site with shell, debitage, and artifacts				Laguna Beach	Within the City
1009	1009	1982	Prehistoric site with shell, debitage, pictograph and artifacts				Laguna Beach	Within the City
1029	1029	1982	Prehistoric site with rock shelter and shell midden				Laguna Beach	Within the City
1084	1084	1985	Prehistoric site with small lithic scatter				Laguna Beach	Within the City
1085	1085	1985	Prehistoric site with shell midden				Tustin	Within the City
1086	1086	1985	Prehistoric site with rockshelter and artifacts				Tustin	Within the City
1087	1087	1985	Prehistoric site with possible rockshelter and artifacts				Laguna Beach	Within the City
1088	1088	1985	Prehistoric site with petroglyphs and artifacts, shell midden				Laguna Beach	Within the City
1089	1089	1985	Prehistoric site with rockshelter, artifacts, and shell midden				Laguna Beach	Within the City
1090	1090	1985	Prehistoric site with rockshelter, artifacts, and shell midden				Laguna Beach	Within the City
1091	1091	1985	Prehistoric site with rockshelter, artifacts, and shell midden				Laguna Beach	Within the City
1092	1092	1985	Prehistoric site with rockshelter, artifacts, and shell midden				Laguna Beach	Within the City
1099	1099	1985	Prehistoric site with artifacts and some shell				Laguna Beach	Within the City
1112	1112	1986	Prehistoric site with artifacts and some shell				Laguna Beach	Within Subarea
1120	1120	1988	Prehistoric site with shell and artifacts				Tustin	Within Subarea
1193	1193	1988	Prehistoric site with midden in cave				Laguna Beach	Within the City

Primary No. (P-30-)	Trinomial (CA-ORA-)	Date	Site Description	NRHP/CRHR Status	CHL	HRI	Quad	Location
1203	1203	1987	Prehistoric site with sparse shell and lithic remains				Laguna Beach	Within the City
1204	1204	1989	Prehistoric site with shell, rockshelter, and artifacts				Laguna Beach	Within the City
1205	1205	1987	Prehistoric site with shell, rockshelter, and artifacts				Laguna Beach	Within the City
1206	1206	1987	Prehistoric site with rockshelter, debitage and artifacts				Tustin	Within the City
1207	1207	1987	Prehistoric site with artifacts				Laguna Beach	Within the City
1208	1208	1989	Prehistoric and historic site with shell midden, broken ceramics, glass and other artifacts				Laguna Beach	Within the City
1210	1210	1987	Prehistoric site with sparse shell and rockshelter				Laguna Beach	Within the City
1223	1223	No date	Prehistoric shell scatter				Tustin	Within the City
1229	1229	1981	Prehistoric site with sparse marine shell and artifacts				Laguna Beach	Within the City
1230	1230	1990	Prehistoric site with sparse marine shell and artifacts				Laguna Beach	Within the City
1231	1231	1990	Prehistoric site with marine shell and artifacts				Laguna Beach	Within the City
1232	1232	1990	Prehistoric site with marine shell and artifacts				Laguna Beach	Within the City
1233	1233	1990	Prehistoric site with sparse marine shell and artifacts				Laguna Beach	Within the City
1234	1234	1990	Prehistoric site with sparse marine shell and artifacts				Laguna Beach	Within the City
1235	1235	1990	Prehistoric site with marine shell and artifacts				Laguna Beach	Within the City
1251	1251	1990	Prehistoric site with shell scatter				Laguna Beach	Within the City
1252	1252	1990	Prehistoric site with shell and artifacts				Laguna Beach	Within the City
1254	1254	1990	Prehistoric site with shell scatter				Laguna Beach	Within the City
1295	1295	1990	Prehistoric site with artifacts and mammal bone				Tustin	Within the City
1331	1331	1990	Prehistoric site with artifacts and shell				Laguna Beach	Within the City
1332	1332	1990	Prehistoric site with artifacts				Laguna Beach	Within the City
1333	1333	1990	Historic site: Refuse dump with artifacts				Laguna Beach	Within the City
1339	1339	1991	Prehistoric site with artifacts				Tustin	Within the City

Primary No. (P-30-)	Trinomial (CA-ORA-)	Date	Site Description	NRHP/CRHR Status	CHL	HRI	Quad	Location
1340	1340	1991	Prehistoric site with lithic debitage and shell midden				Tustin	Within the City
1341	1341	1991	Prehistoric site with shell midden				Tustin	Within the City
1353	1353	1993	Historic site: Earthen dam with concrete spillway				Tustin	Within the City
1364	1364	1994	Prehistoric site with shell and lithic scatter				Laguna Beach	Within the City
1365	1365	1994	Prehistoric site with shell and lithic scatter				Laguna Beach	Within the City
1366	1366	1994	Prehistoric site with shell and lithic scatter				Laguna Beach	Within the City
1367	1367	1994	Prehistoric site with shell and lithic scatter				Laguna Beach	Within the City
1370	1370	1994	Prehistoric site with lithic artifacts				Laguna Beach	Within the City
1372	1372	1994 ?	Prehistoric site with shell midden and small lithic scatters				Laguna Beach	Within the City
1401	1401	1994	Prehistoric site with rockshelter, groundstone, and shell				Laguna Beach	Within the City
1402	1402	1994	Prehistoric site with sparse lithic scatter				Laguna Beach	Within the City
1403	1403	1994	Prehistoric site with shell and lithic scatter				Laguna Beach	Within the City
1404	1404	1994	Prehistoric site with cave that includes artifacts and shell				Laguna Beach	Within the City
1405	1405	1994	Prehistoric site with rockshelter, lithics, ground stone, and shell				Laguna Beach	Within the City
1406	1406	1994	Prehistoric site with cave that includes artifacts and shell				Laguna Beach	Within the City
1407	1407	1994	Prehistoric site that includes artifacts and shell				Laguna Beach	Within the City
1408	1408	1994	Prehistoric site that includes artifacts and shell				Laguna Beach	Within the City
1409	1409	1994	Prehistoric site with shell and lithic artifacts				Laguna Beach	Within the City
1410	1410	1994	Prehistoric site that includes artifacts and shell				Laguna Beach	Within the City
1411	1411	1994	Prehistoric site with rockshelter, lithics, ground stone, and shell				Laguna Beach	Within the City
1412	1412	1994	Prehistoric site with shell and lithic artifacts				Laguna Beach	Within the City
1413	1413	1994	Prehistoric site with outcropping, ground stone and shell				Laguna Beach	Within the City

Primary No. (P-30-)	Trinomial (CA-ORA-)	Date	Site Description	NRHP/CRHR Status	CHL	HRI	Quad	Location
1414	1414	1994	Prehistoric site with ground stone, lithics, shell and burned mammal bone				Laguna Beach	Within the City
1415	1415	1995	Prehistoric site with mammal bone, flakes, and shell				Laguna Beach	Within the City
1416	1416	1995	Prehistoric site with rock shelter and sparse lithic and shell scatter				Laguna Beach	Within the City
1417	1417	1995	Prehistoric site with rock shelter, historic scatter and prehistoric artifact scatter				Laguna Beach	Within the City
1418	1418	1995	Prehistoric site with petroglyph				Laguna Beach	Within the City
1419	1419	1995	Prehistoric site with lithic artifacts				Laguna Beach	Within the City
1428	1428	1994	Prehistoric site with sparse lithic and ground stone				Laguna Beach	Within the City
1429	1429	1994	Prehistoric site with shell midden				Laguna Beach	Within the City
1433	1433	1995	Prehistoric site with artifacts, flakes, shell, mammal bone, and fish bone				Laguna Beach	Within the City
1451	1451	1995	Prehistoric site with shell midden and lithics				Newport Beach	Within the City
1461	1461	1996	Prehistoric site with human remains, shell, lithics, and other artifacts				Laguna Beach	Within the City
1486	1486	1997	Prehistoric site with fire affected rock, lithics, and shell				Laguna Beach	Within the City
1492	1492	1998	Prehistoric site with shell midden				Laguna Beach	Within the City
1511	1511	1999	Prehistoric site with shell and lithic scatter				Laguna Beach	Within the City
1537	1537	1999	Prehistoric habitation site which includes shell, lithics, ground stone, and mammal bone				Tustin	Within the City
1574	1574	1999	Prehistoric habitation site which includes shell, lithics, ground stone				Tustin	Within the City
1575	1575	2000	Prehistoric quarry site: lithics, and shell				Laguna Beach	Within the City
1597	1597	2001	Prehistoric site with hearth, rock shelter, midden, artifacts, fish and mammal bone				Laguna Beach	Within the City
1599	1599	1998	Prehistoric site with lithic scatter				Newport Beach	Within the City

Primary No. (P-30-)	Trinomial (CA-ORA-)	Date	Site Description	NRHP/CRHR Status	CHL	HRI	Quad	Location
1600	1600	1998	Prehistoric site with lithic scatter				Newport Beach	Within the City
1601	1601	1998	Historic site with trash scatter				Newport Beach	Within the City
1602	1602	1998	Historic site with trash scatter				Newport Beach	Within the City
1610	1610	1998	Historic site with two loci. Thought to be location of WWII gun emplacement. Trash scatters				Newport Beach	Within the City
1614	1614	2002	Prehistoric site with rockshelter and shell midden				Laguna Beach	Within the City
1668	1668	2002	Prehistoric site with shell and lithic scatters as well as a historic ranching site				Laguna Beach	Within the City
1716	1716	2001	Crystal Cove archaeological district	Historic District			Laguna Beach	Within the City
1727	1727	1983	Prehistoric site with shell midden, lithics, and human burial				Newport Beach	Within the City
100005		1991	Chert flake				Tustin	Within the City
100007		1991	Chert scraper frag				Tustin	Within the City
100008		1991	Quartz scraper frag				Tustin	Within the City
100009		1991	Quartzite scraper				Tustin	Within the City
100010		1991	Quartzite abrador				Tustin	Within the City
100011		1991	Chert flake				Tustin	Within the City
100179		1965	Chert core frag				Laguna Beach	Within the City
100202		2013	Horseshoe				Laguna Beach	Within the City
100203		2013	Quartz cobble				Laguna Beach	Within the City
100317		1994	Chert flake				Laguna Beach	Within the City
157789		1979	Crystal Cove historical district	Historic District		37154	Laguna	Within the City
158585		1973	Lovell Beach House: 1289 W. Ocean Front Newport Beach	1S		37951	Newport Beach	Within the City
158588		1981	The Balboa Pavilion 400 Main Street Balboa, CA			37954	Newport Beach	Within the City
158590		1985	Balboa Inn 105 Main Street Newport Beach, CA	1S		37956	Newport Beach	Within the City

Primary No. (P-30-)	Trinomial (CA-ORA-)	Date	Site Description	NRHP/CRHR Status	CHL	HRI	Quad	Location
158591		1985	Bank of Balboa/ Bank of America 611 E. Balboa Blvd. Newport Beach, CA	1S		37957	Newport Beach	Within the City
162257		1980	First water to water site	1CL	775	89426	Newport Beach	Within the City
162258		1964	McFadden Wharf	1CL		89426	Newport Beach	Within the City
162261		1959	"Old Landing" location of Newport's first port	7L	198	89604	Newport Beach	Within the City
162284		1977	National Boy Scout Jamboree	7L		90893	Newport Beach	Within Subarea
162395		1979	Crystal Cove bridge 1402 Coast Highway			94718	Laguna Beach	Within the City
176485		199?	Concrete cattle crossing				Laguna Beach	Within the City
176654		2002	1441 West Balboa Boulevard Newport Beach CA 92661 Our Lady Mount Carmel	6Y		132140	Newport Beach	Within the City
176800		2002	Corona Del Mar Community Congregational Church 611 Heliotrope, Corona Del Mar, CA 92625				Laguna Beach	Within the City
176875		2009	Gas Recovery System, Inc. 20662 Newport Coast Dr. Newport Beach, 92657	6Y2			Laguna Beach	Within the City
177037		2010	AT&T Switch Station: 4302 Ford Road Newport Beach, Ca 92660				Tustin	Within the City
177063		2006	Hyatt Regency Hotel: 1107 Jamboree Road Newport Beach, CA 92660				Newport Beach	Within the City
177065		1984	Jolly Roger Restaurant: 203 Marine Ave., Newport Beach				Newport Beach	Within the City
177069		2008	2043 Westcliff Dr. Newport Beach, CA 92660 Commercial building	6Y			Newport Beach	Within the City
177134		2011	Harbor Tower: 3333 PCH Newport Beach, CA 92663				Newport Beach	Within the City
177144		2011	Wild Goose Yacht: 2431 West Coast Hwy., Newport Beach	1S		179477	Newport Beach	Within the City
179867		2005	2300 Newport Blvd. Newport Beach 92663 Commercial buildings (Southcoast Shipyard)	3CD			Newport Beach	Within the City
179874		2008	Las Arenas Park 1600-1700 Blocks of West Balboa Blvd. Newport Beach, CA 92663	6Z			Newport Beach	Within the City

Primary No. (P-30-)	Trinomial (CA-ORA-)	Date	Site Description	NRHP/CRHR Status	CHL	HRI	Quad	Location
179875		2008	The American Legion property: 215 15th Street Newport Beach CA 92663	5S2			Newport Beach	Within the City
179876		2008	Newport Beach Restroom/19th Street: Bay Avenue and 19th St. Newport Beach, CA 92663	6Z			Newport Beach	Within the City
179877		2008	Commerical building. Harbor Inn Motel 1800 W. Balboa Blvd. Newport Beach, CA 92663	6Z			Newport Beach	Within the City
179878		2008	Southern California Edison: 1516-1526 W. Balboa Blvd. Newport Beach, CA 92663 (commercial building)	6Z			Newport Beach	Within the City
179879		2008	Marina Park Trailer Park: 1770 W. Balboa Blvd. Newport Beach, CA 92663	6Z			Newport Beach	Within the City

APPENDIX E: CONFIDENTIAL MAP OF SUBAREA SITES



Confidential Map: Cultural Resources within proposed subareas

Map Reference #	Primary No. (P-30-)	Trinomial (CA-ORA-)	Date	Description
1	68	68	1966	Prehistoric site with shell midden
2	69	69	1949	Possible prehistoric camp site
3	138	138	1965	Prehistoric site with shell midden and flakes
4	139	139	1965	Prehistoric site with shell midden and flakes
5	140	140	1965	Prehistoric site with shell midden and flaked knife
6	141	141	1965	Prehistoric site with shell midden
7	157	157	1966	Prehistoric site with shell midden and some chert debitage
8	158	158	1966	Prehistoric site with small amounts of shell and some ground stone
9	159	159	1966	Prehistoric site with small amounts of shell and some flaked artifacts
10	167	167	1966	Prehistoric site with shell midden and various artifacts
11	665	665	1977	Prehistoric site with lithic artifacts and shell
12	673	673	1977	Prehistoric site with shell midden and lithics
13	797	797	1979	Prehistoric site with shell and other artifacts
14	1112	1112	1986	Prehistoric site with artifacts and some shell
15	1120	1120	1988	Prehistoric site with shell and artifacts
16	162284		1977	National Boy Scout Jamboree

APPENDIX F: LAND PATENTS

Section	Township	Range	Name	Date
11	6S	10W	Juan Pablo Peralta, Antonio Yorba, Bernardo Yorba and heirs of Bernardo Yorba	1883
12	6S	10W	Juan Pablo Peralta, Antonio Yorba, Bernardo Yorba and heirs of Bernardo Yorba	1883
			Jose Sepulveda	1867
			State of California	1896
13	6S	10W	Juan Pablo Peralta, Antonio Yorba, Bernardo Yorba and heirs of Bernardo Yorba	1883
			Jose Sepulveda	1867
14	6S	10W	Juan Pablo Peralta, Antonio Yorba, Bernardo Yorba and heirs of Bernardo Yorba	1883
			Jose Sepulveda	1867
17	6S	10W	Juan Abila, Soledad Yorba Abila, Christobal Aguilar, Dolores Yorba Aguilar, Julian Chaves, Dominga Yorba, Ramon Yorba	1874
			Jose Justo Morillo, Don Jose Antonio Nieto, Don Manuel Nieto, Maria Cleofas Nieto, Dona Catarina Ruiz	1877
			Juan Pablo Peralta, Antonio Yorba, Bernardo Yorba and heirs of Bernardo Yorba	1883
19	6S	10W	Juan Abila, Soledad Yorba Abila, Christobal Aguilar, Dolores Yorba Aguilar, Julian Chaves, Dominga Yorba, Ramon Yorba	1874
			Jose Justo Morillo, Don Jose Antonio Nieto, Don Manuel Nieto, Maria Cleofas Nieto, Dona Catarina Ruiz	1877
			Juan Pablo Peralta, Antonio Yorba, Bernardo Yorba and heirs of Bernardo Yorba	1883
			State of California	1902
20	6S	10W	Juan Abila, Soledad Yorba Abila, Christobal Aguilar, Dolores Yorba Aguilar, Julian Chaves, Dominga Yorba, Ramon Yorba	1874
			Jose Justo Morillo, Don Jose Antonio Nieto, Don Manuel Nieto, Maria Cleofas Nieto, Dona Catarina Ruiz	1877
			Juan Pablo Peralta, Antonio Yorba, Bernardo Yorba and heirs of Bernardo Yorba	1883
			State of California	1902
21	6S	10W	Juan Pablo Peralta, Antonio Yorba, Bernardo Yorba and heirs of Bernardo Yorba	1883
22	6S	10W	Juan Pablo Peralta, Antonio Yorba, Bernardo Yorba and heirs of Bernardo Yorba	1883
			Jose Sepulveda	1867
23	6S	10W	Juan Pablo Peralta, Antonio Yorba, Bernardo Yorba and heirs of Bernardo Yorba	1883
			Jose Sepulveda	1867
			State of California	1902
24	6S	10W	Jose Sepulveda	1867
25	6S	10W	Jose Sepulveda	1867
			State of California	1902
26	6S	10W	Juan Pablo Peralta, Antonio Yorba, Bernardo Yorba and heirs of Bernardo Yorba	1883

Section	Township	Range	Name	Date
			Jose Sepulveda	1867
			State of California	1902
27	6S	10W	Juan Pablo Peralta, Antonio Yorba, Bernardo Yorba and heirs of Bernardo Yorba	1883
			Jose Sepulveda	1867
			State of California	1902
28	6S	10W	Juan Pablo Peralta, Antonio Yorba, Bernardo Yorba and heirs of Bernardo Yorba	1883
			Jose Sepulveda	1867
			State of California	1896
			State of California	1902
29	6S	10W	State of California	1902
33	6S	10W	State of California	1896
34	6S	10W	State of California	1902
			State of California	1896
35	6S	10W	State of California	1902
			State of California	1896
36	6S	10W	State of California	1902
			Sepulveda, Jose	1867
			USA	1871
			USA	1882
			USA	1873
			USA	1922
1	7S	10W	Jose Sepulveda	1867
7	6S	9W	Juan Pablo Peralta, Antonio Yorba, Bernardo Yorba and heirs of Bernardo Yorba	1883
			Jose Sepulveda	1867
18	6S	9W	Jose Sepulveda	1867
			State of California	1896
19	6S	9W	Jose Sepulveda	1867
20	6S	9W	Jose Sepulveda	1867
28	6S	9W	Jose Sepulveda	1867
29	6S	9W	Jose Sepulveda	1867
30	6S	9W	Jose Sepulveda	1867
31	6S	9W	Jose Sepulveda	1867
			Southern Pacific Railroad Co	1891
32	6S	9W	Jose Sepulveda	1867
33	6S	9W	Jose Sepulveda	1867
34	6S	9W	Jose Sepulveda	1867
			State of California	1896
35	6S	9W	Jose Sepulveda	1867

Section	Township	Range	Name	Date
2	7S	9W	Jose Sepulveda	1867
3	7S	9W	Jose Sepulveda	1867
4	7S	9W	Jose Sepulveda	1867
5	7S	9W	Jose Sepulveda	1867
6	7S	9W	Jose Sepulveda	1867
7	7S	9W	Jose Sepulveda	1867
8	7S	9W	Jose Sepulveda	1867
9	7S	9W	Jose Sepulveda	1867
10	7S	9W	Jose Sepulveda	1867
16	7S	9W	Jose Sepulveda	1867
			USA	1871
			USA	1873
17	7S	9W	Jose Sepulveda	1867

APPENDIX G: NATIVE AMERICAN CONSULTATION

NATIVE AMERICAN HERITAGE COMMISSION

1550 Harbor Boulevard, Suite 100
West Sacramento, CA 95691
(916) 373-8715
Fax (916) 373-5471
Web Site www.nahc.ca.gov
De_nahc@pacbell.net



October 14, 2013

Ms. Sheri Gust, RPA, Principal
Cogstone Resource Management
1518 W. Taft Avenue
Orange, CA 92865

Sent by FAX to: 714-974-8303
No. of Pages: 4

RE: Request for Sacred Lands File Search and Native American Contacts list for the
"Newport Beach Land Use Element Amendment;" located in the City of
Newport Beach, Orange County, California

Dear Ms. Aubuchon:

A record search of the NAHC Sacred Lands File **failed to indicate** the presence of Native American traditional cultural places (multiple) in the project site(s) submitted as defined by the USGS coordinates configuring the 'Areas of Potential Effect' or APEs. However, there are Native American sacred places(s), sites in close proximity to the APEs. Also, please note that the absence of archaeological recorded items does not preclude their existence. Other data sources for Native American sacred places/sites should also be contacted. A Native American tribe or individual may be the only sources of information about traditional cultural places or sites.

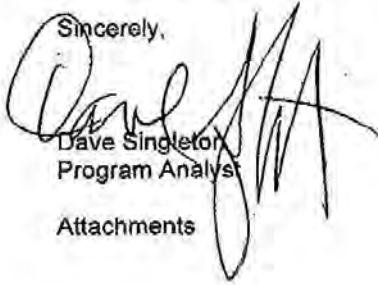
This project is also subject to California Government Code Sections 65040.2, 65352.3, *et seq.*

In the 1985 Appellate Court decision (170 Cal App 3rd 604), the Court held that the NAHC has jurisdiction and special expertise, as a state agency, over affected Native American resources impacted by proposed projects, including archaeological places of religious significance to Native Americans, and to Native American burial sites.

Attached is a list of Native American tribes, Native American individuals or organizations that may have knowledge of cultural resources in or near the project area (APE). As part of the consultation process the NAHC recommends that local government and project developers contact the tribal governments and individuals in order to determine the proposed action on any cultural places/sacred sites. If a response from those listed is not received in two weeks of notification, the NAHC requests that a follow-up telephone call be made to ensure the project information has been received

If you have any questions or need additional information, please contact me at
(916) 373-3715.

Sincerely,

A handwritten signature in black ink, appearing to read "Dave Singleton". The signature is stylized and overlaps the printed name below it.

Dave Singleton
Program Analyst

Attachments

**Native American Contacts
Orange County
October 14, 2013**

Ti'At Society/Inter-Tribal Council of Pimu
Cindi M. Alvitre, Chairwoman-Manisar
3094 Mace Avenue, Apt. B Gabrielino
Costa Mesa, CA 92626
calvitre@yahoo.com
(714) 504-2468 Cell

Gabrielino /Tongva Nation
Sandonne Goad, Chairperson
P.O. Box 86908 Gabrielino Tongva
Los Angeles, CA 90086
sgoad@gabrielino-tongva.com
951-845-0443

Juaneno Band of Mission Indians Acjachemen Nation
David Belardes, Chairperson
32161 Avenida Los Amigos Juaneno
San Juan Capistrano CA 92675 m
chiefdavidbelardes@yahoo.
(949) 493-4933 - home
(949) 293-8522

Juaneno Band of Mission Indians Acjachemen Nation
Teresa Romero, Chairwoman
31411-A La Matanza Street Juaneno
San Juan Capistrano CA 92675-2674
(949) 488-3484
(949) 488-3294 - FAX
(530) 354-5876 - cell

Tongva Ancestral Territorial Tribal Nation
John Tommy Rosas, Tribal Admin.
Private Address Gabrielino Tongva
tattnlaw@gmail.com
310-570-6567

Gabrielino Tongva Indians of California Tribal Council
Robert F. Dorame, Tribal Chair/Cultural Resources
P.O. Box 490 Gabrielino Tongva
Bellflower, CA 90707
gtongva@verizon.net
562-761-6417 - voice
562-761-6417- fax

Gabrieleno/Tongva San Gabriel Band of Mission
Anthony Morales, Chairperson
PO Box 693 Gabrielino Tongva
San Gabriel, CA 91778
GTTribalcouncil@aol.com
(626) 286-1632
(626) 286-1758 - Home
(626) 286-1262 -FAX

Juaneno Band of Mission Indians
Alfred Cruz, Cultural Resources Coordinator
P.O. Box 25628 Juaneno
Santa Ana, CA 92799
alfredgcruz@sbcglobal.net
714-998-0721
714-998-0721 - FAX
714-321-1944 - cell

This list is current only as of the date of this document.

Distribution of this list does not relieve any person of the statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resources Code and Section 5097.98 of the Public Resources Code.

This list is only applicable for contacting local Native Americans with regard to cultural resources for the proposed Newport Beach Land Use Element Amendment; located in the western, central coastal area of Orange County, California for which Sacred Lands File searches and Native American Contacts lists were requested.

**Native American Contacts
Orange County
October 14, 2013**

United Coalition to Protect Panhe (UCPP)
Rebecca Robles
119 Avenida San Fernando Juaneno
San Clemente CA 92672
rebrobles1@gmail.com
(949) 573-3138

Gabrielino-Tongva Tribe
Conrad Acuna,
P.O. Box 180 Gabrielino
Bonsall , CA 92003

760-636-0854 - FAX

Gabrielino-Tongva Tribe
Bernie Acuna, Co-Chairperson
P.O. Box 180 Gabrielino
Bonsall , CA 92003
(619) 294-6660-work
(310) 428-5690 - cell
(760) 636-0854- FAX
bacuna1@gabrielinotribe.org

Gabrielino /Tongva Nation
Sam Dunlap, Cultural Resorces Director
P.O. Box 86908 Gabrielino Tongva
Los Angeles , CA 90086
samdunlap@earthlink.net
909-262-9351

Juaneno Band of Mission Indians Acjachemien Nation
Joyce Perry, Representing Tribal Chairperson
4955 Paseo Segovia Juaneno
Irvine , CA 92612
kaamalam@gmail.com
949-293-8522

Gabrielino-Tongva Tribe
Linda Candelaria, Co-Chairperson
P.O. Box 180 Gabrielino
Bonsall , CA 92003
palmssprings9@yahoo.com
626-676-1184- cell
(760) 636-0854 - FAX

This list is current only as of the date of this document.

Distribution of this list does not relieve any person of the statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resources Code and Section 5097.98 of the Public Resources Code.

This list is only applicable for contacting local Native Americans with regard to cultural resources for the proposed Newport Beach Land Use Element Amendment; located in the western, central coastal area of Orange County, California for which Sacred Lands File searches and Native American Contacts lists were requested.



October 31, 2013

Re: Newport Beach Land Use Element Amendment, the City of Newport Beach, Orange County, California
Cogstone Project No. 2739

Dear Chairwoman,

The project is an amendment to the City of Newport Beach 2006 General Plan Land Use Element. The amendment is intended to shape future development within the City and involves the alteration, intensification, and redistribution of land uses in certain subareas of the City, including major areas such as Newport Center/Fashion Island, Newport Coast, and the Airport area near John Wayne Airport. The proposed land use map designation changes include increases and/or reductions in development capacity in these subareas. These subareas are numbered and indexed on the attached Table 1 and Figure 3.

The Amendment will also include Land Use Element Policy revisions related to land use changes, in support of recent Neighborhood Revitalization efforts, and, as appropriate, updates/refinements to policies. Subsequent amendments the Newport Beach Coastal Land Use Plan (LUP), the Newport Coast Local Coastal Program (LCP), and Zoning Code and Map will be necessary to reflect the amendment to the General Plan.

The Native American Heritage Commission (NAHC) was contacted on October 9, 2013 to perform a search of the Sacred Lands file. The NAHC has no record of Native American sacred sites or heritage resources in the immediate vicinity of the project area. The NAHC also provided a list of Native American individuals/organizations that may have knowledge of cultural resources within the project area and recommended that we contact you, among others.

We would appreciate your providing any comments, issues and/or concerns relating to cultural resources within the project area. All information provided regarding cultural and historic sites or other areas of concern will be confidential. Please contact me by phone (714-974-8300), email (mvalasik@cogstone.com), or fax (714-974-8303). Your response within two weeks of receipt of this letter will be appreciated. Thank you for your assistance.

Sincerely,

Molly Valasik
Archaeologist

Attachments: Table 1. Proposed Land Use Changes and Figure 3. Proposed areas of Change

1518 West Taft Avenue
Orange, CA 92865
Office (714) 974-8300
Toll free (888) 497-0700
Fax (714) 974-8303

Branch Offices
West Sacramento - Morro Bay - Inland Empire - San Diego

cogstone.com

Table 1 Proposed Land Use Changes

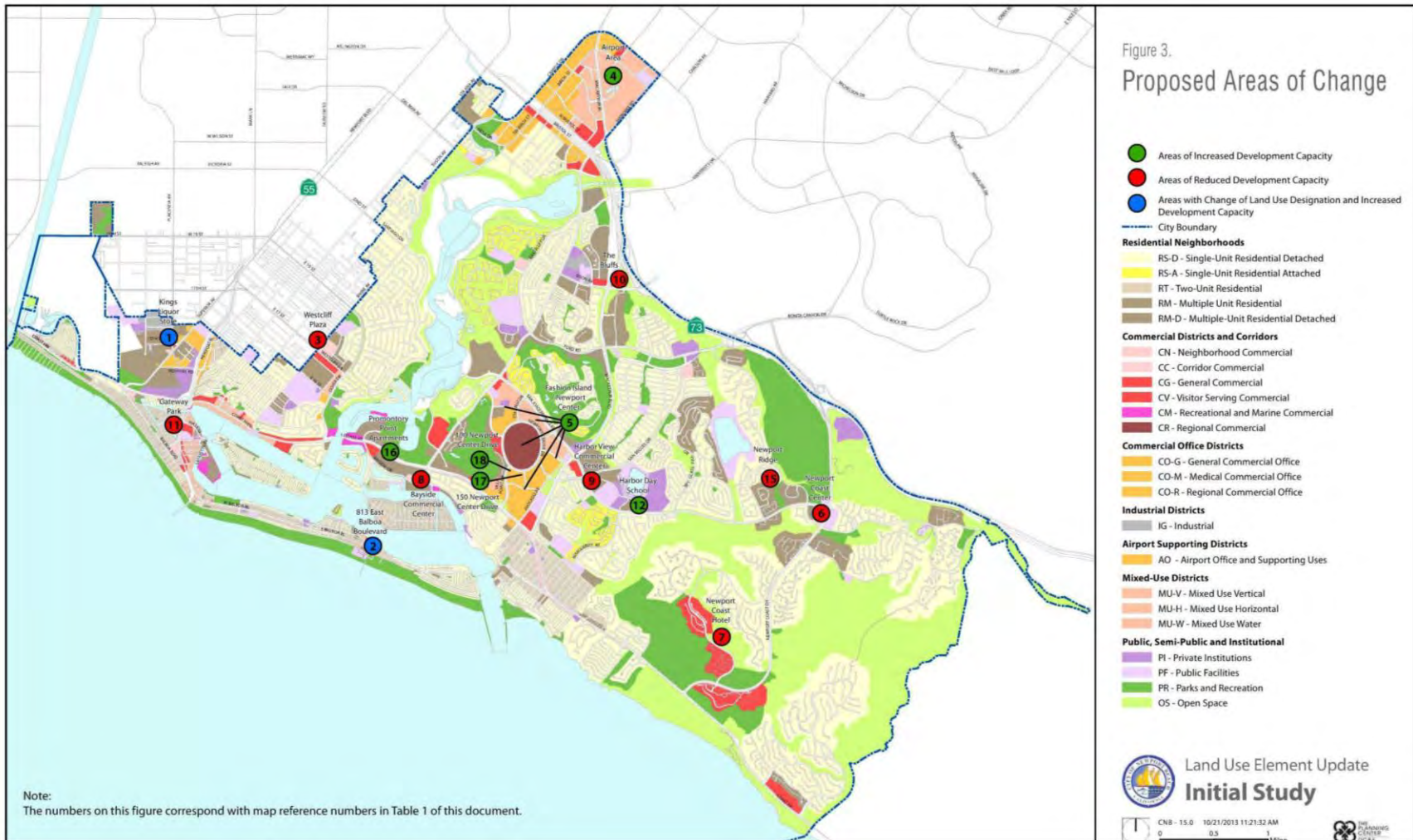
AREAS WITH REDUCED DEVELOPMENT CAPACITY								
Map Reference	Location	2006 General Plan		Existing	Proposed Changes			ADT Change
		Designation	Allowable		Designation	Increase (Reduction)	Remaining	
3	Westcliff Plaza 1000-1150 Irvine Avenue	Neighborhood Commercial (CN)	138,500 SF	112,986 SF	No Change	(15,514 SF)	10,000 SF	(593)
6	Newport Coast Center 21101-21185 Newport Coast Drive	Neighborhood Commercial (CN)	141,787 SF	103,712 SF	No Change	(37,875 SF)	200 SF	(1,448)
7	Newport Coast Hotel	Visitor-Serving Commercial (CV)	2,150 rooms	1,104 rooms	No Change	(1,001 rooms)	45 rooms	(7,588)
8	Bayside Center 900-1090 Bayside Drive	Neighborhood Commercial (CN)	66,000 SF	65,284 SF	No Change	(366 SF)	350 SF	(14)
9	Harbor View Center 1610-1666 San Miguel Drive	Neighborhood Commercial (CN)	74,000 SF	71,993 SF	No Change	(1,857 SF)	150 SF	(71)
10	The Bluffs 1302-1380 Bison Avenue	General Commercial (CG)	54,000 SF	50,312 SF	No Change	(3,538 SF)	150 SF	(135)
11	Gateway Park 3531 Newport Boulevard	Commercial Corridor (CC)	4,356 SF	0	Parks and Recreation (PR)	(4,356 SF)	0	(167)
15	Newport Ridge (various locations)	Multi-Unit Residential (RM) Single Unit Residential Detached (RS-D)	2,550 DUs	2,187 DUs	No Change	(356 DUs)	7 DUs	(2,370)

AREAS WITH INCREASED DEVELOPMENT CAPACITY								
Map Reference	Location	2006 General Plan		Existing	Proposed Changes			ADT Changes
		Designation	Allowable		Designation	Capacity	Increase / (Decrease)	
5	Newport Center/ Fashion Island	Regional Commercial (CR), Regional Commercial Office (CO-R), Medical Commercial Office (CO-M), Mixed Use Horizontal (MU-H3), Visitor-Serving Commercial (CV), Multi-Unit Residential (RM)	Various	Retail, Office, Residential, Hotel	No Change	Varies	Regional Office 500,000 SF; Regional Commercial 50,000 SF; Multi-Family 500 units	8,768
17	150 Newport Center Drive	Regional Commercial Office (CO-R)	8,500 SF	8,500 SF Car Wash	Mixed-Use Horizontal (MU-H3)	125 hotel rooms (24.8 K SF Commercial)	125 hotel rooms (24.8 K SF Commercial)	623
18	100 Newport Center Drive	Regional Commercial Office (CO-R)	17,500 SF	17,500 SF Museum	Mixed-Use Horizontal (MU-H3)	32,500 SF	15,000 SF	352
12	Harbor Day School 3443 Pacific View Drive	Private Institutional	.35 FAR 408 Students	99,708 SF 408 Students	No Change	.40 FAR 480 Students	14,244 SF 72 Students	94
4	Saunders Properties	Airport Office and Supporting Uses (AO)	306,923 SF Office	360,923 SF Office	Mixed Use Horizontal (MU-H2)	545,000 SF office 329 DUs	238,077 SF 329 DUs	5,040
	The Hangars	General Commercial Office (CO-G)	288,264 SF Office	288,264 SF Office	General Commercial (CG)	278,264 SF office	11,800 SF retail	342
	Lyon Communities	Mixed Use Horizontal (MU-H2)	250,176 SF Office	250,176 SF Office	No Change	Retail: 85K SF Res: 850 replacement DUs Hotel: 150 rms	Retail: 85K SF Res: 850 replacement DUs Hotel: 150 rms	5,780
	UAP Companies 4699 Jamboree Road and 5190 Campus Drive	Mixed Use Horizontal (MU-H2)	46,044 SF Office	46,044 SF Office	Mixed Use Horizontal (MU-H2)	Mixed Use: 46,044 SF Congregate Care: 148,000 SF	Revise Anomaly #6 to allow 2.0 FAR if trip neutral congregated care	0
16	Promontory Point Apartments 200 Promontory Drive West	Multiple Residential (RM) 520 DUs	520 DUs	520 DUs	No Change	570 DUs	50DUs	269

AREAS WITH CHANGE OF LAND USE DESIGNATION AND INCREASED DEVELOPMENT CAPACITY							
Map Reference	Location	2006 General Plan		Existing	Proposed Changes		ADT Changes
		Designation	Allowable		Designation	Density	
1	1526 Placentia (King's Liquor)	Multi-Unit Residential (RM)	18 DU/AC	Retail: 7,524 SF	General Commercial (CG)	0.5 FAR	251
2	813 East Balboa Boulevard	Two-Unit Residential (RT)	2 units	Day Spa: 1,917 SF	Mixed-Use Vertical (MU-V)	0.75 FAR	65

ADT = Average Daily Trips
 DU = Dwelling Units
 FAR = Floor to land Area Ratio
 SF = Square Feet

1. ADT based on increase of students. An existing Use Permit limits the number of students to 408. An increase in students would require an amendment to that permit, and project-specific impacts would be evaluated at that time.



From: [Rebecca Robles](#)
To: [Molly Valasik](#)
Subject: Newport Beach Land Use Element Amendment
Date: Sunday, November 24, 2013 7:37:32 PM

November 22, 2013

Molly Valasik
Archaeologist
Cogstone

Re: Newport Beach Land Use Element Amendment

Thank you for the opportunity to comment on the above mentioned project. While we know of no specific cultural sites within the project area, Newport Beach was densely occupied prior to European contact and has a high potential for buried cultural resources. Therefore, we consider any area of ground that has not been disturbed to be culturally sensitive. We trust that in these cases, the appropriate archaeological investigations would be implemented. Site evaluations and mitigation measures should take into consideration the impacts upon and/or destruction of archaeological sites, Native American traditional cultural sites, and traditional cultural landscapes with associated traditional Native American values.

State and Federal guidelines, including CEQA, provide that with respect to archaeological sites, preservation through avoidance is the preferred treatment. Archaeology is a destructive process and mitigation through data recovery excavations not only result in the destruction of an important part of our cultural patrimony, but it is also labor intensive and expensive. Most importantly, site evaluations and mitigation measures do not take into consideration the destruction of Native American traditional cultural sites and landscapes. The discovery of archaeological sites early in the planning process allows archaeological sites to be preserved through avoidance and incorporation into open space areas.

We request that you continue to keep us informed about the Project. We look forward to the results of any archaeological and cultural investigations and to further participation in the environmental review process. To that end, we reserve our right to comment further in the future.



Rebecca Robles