NOTICE
NOTICE OF IMPENDING DEVELOPMENT
7 (14-1)

A Notice of Impending Development (NOID) provides notice to the public and the California Coastal Commission of UC Santa Cruz' intention to undertake a development project at its Marine Science Campus. In order for a project to be implemented, it must be contemplated by and within the parameters of the Marine Science Campus Coastal Long Range Development Plan (CLRDP). The CLRDP is available at UCSC's McHenry Library, the Santa Cruz Public Library and at: http://lrdp.ucsc.edu

The California Coastal Commission will review the project that is the subject of this NOID and determine if it is consistent with the CLRDP. The California Coastal Commission will provide advanced public notice of the date of the hearing.

Project Summary for NOID 7 (14-1) The proposed Project would renovate and expand the existing 20,200-sf outdoor marine mammal pool facility at the UC Santa Cruz Marine Science Campus. The Project also includes improvements to existing above-ground tanks and the installation of one new tank at the California Department of Fish and Wildlife (CDFW) facility at the Marine Science Campus, to provide temporary accommodation of the animals that would be displaced by construction.

Supporting Information, which includes more details about this project is available at: http://ppc.ucsc.edu/cp/planning/docs **A hard copy is available for review by appointment at UC Santa Cruz Office of Physical Planning and Construction, 1156 High Street, Barn G, Santa Cruz, CA 95064**

University Approval Date **March 19, 2014**
see CLRDP 8.1.4 (5)

NOID Posting Date **April 9, 2014**
see CLRDP 8.2.4

Environmental Compliance (CEQA/NEPA) Date **March 19, 2014**
see CLRDP 8.1.4 (5)

X CEQA IS-MND
CEQA document

NA NEPA _____
NEPA document

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Notice of Impending Development 7 (14-1)

Supporting Information

see CLRDP 8.2.5

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1. Project Report

1a. NOID 7 (14-1) Project Description

The proposed Project would renovate and expand the existing 20,200-sf outdoor marine mammal pool facility at the UC Santa Cruz Marine Science Campus. The renovations would include re-coating of the pool surfaces, structural repairs to the pools, upgrades to the surrounding decks and observation areas, mechanical upgrades, and fencing improvements to meet current regulatory, building code and accessibility requirements. The Project would also expand the facility by about 2,894 sf to accommodate enlargement of the largest pool by 32 feet in length. The expansion would involve removing an existing fence, excavation of a portion of a berm, excavation to a depth of up to 30 feet for the pool expansion, construction of a new retaining wall, and new fencing. A new driveway to the south of the facility would be created for construction access. The Project also includes improvements to existing above-ground tanks and the installation of one new tank at the California Department of Fish and Wildlife (CDFW) facility at the Marine Science Campus, to provide temporary accommodation of the animals that would be displaced by construction. Figure 1 shows the Project location. The existing site plans for the UCSC mammal pool facility and the CDFW facility, and the proposed improvements at each site are shown on Figures 2 through 5.

The Project would be constructed at two separate sites on the Marine Science Campus: the Long Marine Lab's marine mammal pool facility, and an outdoor yard at the CDFW facility. The Long Marine Lab's marine mammal pool facility is located between and adjacent to two lab and lab support buildings: the 6,200-gsf Doyle Research building and the 3,700-gsf Younger building. Two caretaker residence trailers are located south and east of the mammal pool facility. The earthen berm separating the Long Marine Lab development from Younger Lagoon Reserve bounds the mammal pool facility on the west. At the top of the berm, a public access boardwalk provides views of the mammal pools and Younger Lagoon Reserve.

The temporary tanks that would house the marine mammals during the renovation and expansion of the main marine mammal pool facility would be within a fenced, gravel service yard at the CDFW facility. The yard is developed with several existing above-ground tanks, pens for holding sea otters, and associated seawater and life support equipment. CDFW buildings lie to the east and west, and an unpaved driveway along the northwest boundary of the yard provides access to the yard. There is currently also one above-ground tank located south of the CDFW yard that will be moved within the yard as part of the Project.

Project Background, Need and Objectives

The marine mammal pool facility at the UCSC Marine Science Campus consists of five large in-ground concrete pools ranging from about 490 sf to about 1,730 sf, two smaller fiberglass pools, and six small, concrete in-ground pools. Three 25-foot diameter concrete pools and four smaller in-ground concrete pools were part of the original marine mammal infrastructure constructed in 1978. The two largest pools, one 30-foot-diameter, the other, an oblong, 1,730 sf pool, were added in 1985. The concrete pools are 3.5 to 10 feet deep, the fiberglass pools, 42 to 52 inches deep. Seawater is supplied to all pools via a gravity flow system from 36-foot tall storage tanks located in the pool yard complex. Two interconnected recirculation systems provide high-rate sand filtration, chlorination, and gas-fired heating of the seawater in the five large pools.

The five larger, older concrete pools exhibit signs of structural failure, including some cracking, spalling and some rusty bleeding from reinforcing steel. All of the raised working decks around the pools are of wood construction, and many show signs of wood rot and breakdown. These wooden decks and the wooden supports for the fencing are difficult to maintain to federal animal holding sanitary standards.

The objectives of the Project are:

- Address the structural breakdown and deterioration of the coating of the existing pools
- Provide improvements necessary to meet current regulatory standards for animal holding facilities, and current building code and accessibility requirements
- Expand the research capability by providing enough pool length to allow larger vertebrates adequate swim and glide distance for scientific observation and animal exercise, and greater water depths for the study of diving behaviors and physiology
- Anticipate future regulatory changes that would require larger and deeper pool spaces for certain species.
- Provide temporary facilities and relocation of resident marine mammals during construction.

Detailed Project Description

Pool Expansion

The dolphin pool would be expanded by 32 feet in length, and a portion of it deepened from 10 feet to a maximum of 30 feet. To accommodate the expansion, the existing southern fence of the mammal pool facility would be moved south about 16 feet. A new ramp would be constructed to provide access to the dolphin pool underwater viewing area. A new retaining wall would be constructed on the east-facing slope of the berm to support the new ramp and the pool expansion. The existing 8-foot-tall wooden fence along the western boundary of the facility would be removed to accommodate construction of a new ramp and retaining wall. The fence would be reconstructed using materials salvaged from the existing fence.

Excavation for the pool expansion would remove a portion of the eastern slope of the berm that divides the Long Marine Lab facilities from the Younger Lagoon Reserve. Existing utilities within the footprint of the pool expansion, including storm drain, natural gas line, light poles, and sewer line, would be relocated. All of the utility lines replacements would be within the existing developed area in and adjacent to the expanded mammal pool facility.

Renovation of Existing Facility

The liners of the five existing concrete pools would be removed, the pools walls and floor slabs would be repaired, and new coating applied. The existing wooden decks would be removed and replaced with new decking made of recycled HDPE lumber. Existing ramps and stairs throughout the facility would be removed and replaced.

The existing subsurface observation room beneath the deck on the west side of the dolphin pool would remain, but would be shortened, and the trainer platform locally widened to create a slide-out area for the animals. Existing 8-foot wood fencing along the western boundary of the facility would be removed and reconstructed using materials salvaged from the existing fence. Fencing within the facility, and a sun shade on 12-foot poles over portions of the facility would also be removed and replaced.

Mechanical Systems and Utilities

Improvements to the seawater circulation system within the existing mechanical area of the mammal pool facility would include new pumps and piping in the immediate area of the existing filters and pumps, and heat recovery exchangers in the seawater recirculation system within the existing seawater pool structures.

Existing utilities within the footprint of the pool expansion, including storm drain, natural gas line, and a light pole would be relocated. All of the utility lines replacements would be within the existing developed area in and adjacent to the expanded mammal pool facility. The Project would not increase

water demand. New energy use would be limited to a new 20-25 Hp pump and two new, 1 Hp storm sump pumps, and offset by a new heat recovery exchangers in the seawater recirculation system.

Storm Water Drainage

The Project would increase impervious surface by approximately 1,500 sf, which includes the new pool area. A storm water infiltration basin would be created south of the new fence. The infiltration basin would be designed to maintain storm water run-off volumes from the site at or below the limits established by the CLRDP.

Photovoltaics/Solar Thermal System

As an optional project element, the Campus is considering installing photovoltaic panels on west-facing roofs of the Younger and Doyle buildings, over the Doyle building alone, or over a portion of the Seymour Center parking lot, across McAllister Way from the UCSC mammal pool facility. Depending on the location and size of the array, installed capacity could be between 23 KW and 64 KW with between 27,000 and 87,000 kwh/year produced. As an alternative, the Campus is also considering installing a solar thermal system on the roof of the Younger Building. This system would act as a preheat loop for the existing mammal pool boilers, to offset part of the need to operate the boilers. Preliminary calculations show this system could potentially provide offset of approximately 885 MMBTU/ year of heating with 211,000 lbs of CO2 emissions avoided. Installation of solar hot water or photovoltaic panels on one or both of the buildings would require removal of the existing roof, installation of a new roof, and improvements to the framing as well as installation of the panels and associated equipment and utility connections. The proposed photovoltaic system at the Seymour Center parking lot would consist of an 8,000 sf panel array on a canopy supported on 8- to 14-foot columns.

Temporary Tanks at Department of Fish and Wildlife Facility

At the CDFW facility, existing tanks would be refurbished, and an existing 30-ft-diameter, 5-ft deep fiberglass tank currently located outside the CDFW yard would be an installed on an existing concrete slab. New decking, ramp and stairs would be added. The new pools would be connected to the existing seawater supply and return that serves the area.

Improvements would be made to existing fencing surrounding the existing CDFW facility, and 12-foot-tall posts would be added to support new sunshades.

Sustainable Design Elements

Sustainability refers to principles of physical development, institutional operation, and organizational efficiency that meet the needs of present users without compromising the ability of future users to meet their needs—particularly with regard to the use of natural resources. Accordingly, the University of California has adopted the UC Policy on Sustainable Practices (formerly the Policy on Green Building, Clean Energy, and Sustainable Transportation).

The Sustainable Practices Policy (revised August 2013) recommends that university operations incorporate the principles of energy efficiency and sustainability in capital projects; minimize the use of non-renewable energy; incorporate alternative means of transportation to and from and within the campus; and continue to provide affordable on-campus housing to reduce commute volumes. To comply with the Sustainable Practices Policy, the Project must achieve a US Green Building Council LEED-NC certification of at least "Silver," and register with PG&E's Savings by Design program[1].

[1] LEED-NC applies to new building and major renovations of existing buildings. PG&E's Savings By Design program offers cash incentives and technical assistance to help maximize energy performance in commercial new construction projects.

The proposed Project does not fall into any of the LEED categories, which are all based around occupied buildings. Therefore, the Campus will not seek LEED certification for the Project

The proposed Project includes the following sustainable design elements.

- System to recover heat from pool overflows to eliminate need for additional boiler capacity.
- Use of recycled materials such as HDPE lumber, salvaged fencing and cement replacement in concrete
- Optional Photovoltaic System to offset part/all of increased electrical demand
- Optional Solar Thermal System to offset part of current boiler capacity and reduce CO_2 emissions.

Population

The proposed Project would support the research of existing faculty and would not result in an increase in the faculty, staff, or student population.

Construction Schedule and Staging

The probable schedule includes two phases of construction. Construction of the improvements at the CDFW facility would begin in August or September 2014 and would be completed after an approximate 3 month duration. The second phase of construction at the main Long Marine Lab mammal pool facility would then begin after the CDFW improvements are complete and would be completed a year later. The research animals would be moved to the CDFW facility for the year of construction at the LML facility. The second phase of construction may be delayed to avoid conflict with other activities on the Marine Science Campus, or to accommodate the schedules of the research groups affected by the move.

The Project would generate approximately 100 cubic yards (cy) of demolition waste. Approximately 885 cy of soil and rock would be exported. If suitable, some or all of this material may be used on the campus as fill for the Coastal Biology Building Project (see "Cumulative Project," below). Demolition, grading and excavation would overlap, over a period of about three months. Assuming 16 cy per truck-load, this would result in a total of 62 trips over the three month period. The number of daily construction worker and vendor trips to the site would vary by phase, with a maximum of between 10 and 20 daily trips during the period when demolition, grading, excavation, and trenching for utilities may overlap.

A new gravel driveway, with an area of about 600 sf, would be constructed to provide construction access to the southern end of the mammal pool facility from McAllister Way through the existing primary seawater system outdoor mechanical area. After construction is completed, the area would be restored. Construction staging, including contractor vehicle parking, would be provided in gravel and asphalt Campus vehicle parking areas adjacent to McAllister Way east of the UCSC mammal pool facility and in an employee parking area. As an alternative, after the existing, unoccupied greenhouses west of McAllister Way are demolished for construction of the Coastal Biology Building Project, a portion of the greenhouse area may be available for staging for the Mammal Pool Renovation and Expansion Project.

1b. CLRDP Consistency Determination

As stated in Policy 1.1 (Development Consistency), "Development shall be deemed consistent with the CLRDP if it is consistent with the provisions of Chapters 5, 6, 7, 8, 9, and Appendices A and B."

The following is a list of all the Policies, Implementation Measures and Figures found in Chapter 5. Those that apply directly to this NOID are highlighted in black and followed with a comment regarding the project's consistency. In addition, sections of Chapters 6, 7, 8, 9, and Appendices A and B that also apply to this NOID are referenced with comments.

CHAPTER 5 Long Range Land Use Development Plan

5.1 Application of the Long Range Land Use Development Plan

Policy 1.1 Development Consistency

The University finds the project contemplated under NOID 7 (14-1) to be consistent with the CLRDP.

IM 1.1.1 Figures of Chapter 5.

As described below, the project is consistent with Figures 5.1 – 5.4, which show the "kinds, locations, maximum size and intensity" of allowed development. The project is also consistent with Chapters 5, 6, 7, 8, 9, and Appendices A and B and the type and locational restrictions of Section 5.2.

~~IM 1.1.2 Lease Agreements.~~

~~IM 1.1.3 Federal In-holding and CLRDP.~~

Policy 1.2 University Commitments

The project does not trigger any of the University Commitments identified in Chapter 9 or elsewhere in the CLRDP.

5.2. Land Use

Figure 5.1 Building Program

The CLRDP building program includes up to 70,000 sf of new outdoor research area. The Outdoor Research Yard Expansion Project, which was completed in 2010, added 3,200 sf to the Outdoor Research Area in the Lower Terrace development zone. The proposed Mammal Pool Expansion and Renovation Project would expand the existing outdoor research area by 2,894 sf. This would bring the total area of Outdoor Research Yard space constructed under the CLRDP to 6,094 sf, which is within the 70,000 sf allowed in the CLRDP building program and the 10,000 sf allowed in the Lower Terrace Development Zone.

Figure 5.2 Land Use Diagram

The expansion of the marine mammal pool facility would be on land designated for Research and Education Mixed Use, within the Lower Terrace Development Zone. The project is consistent with this designation.

Figure 5.3 Locational Restrictions for Building Program

On the lower terrace west of McAllister Way, building development is limited to "uses that integrally relate to existing development or research activities in the development zone, need a location adjacent to YLR, or otherwise require a more isolated location (IM 4.2.14)." The proposed Project would directly support the existing research activities within the mammal pool facility, and therefore is consistent with this requirement.

Stable Urban / Rural Boundary

Policy 2.1 Maintaining a Stable Urban / Rural Boundary

IM 2.1.1 Over sizing of Utility Lines Prohibited.

New utility lines would be limited to connection with existing seawater distribution lines, and new electrical lines to connect PV with existing electrical distribution system

IM 2.1.2 Utility Prohibition Zone.

No new utility lines are proposed in the utility prohibition zone.

Policy 2.2 Strengthening the Urban / Rural Boundary through the Protection of Adjacent Agricultural Resources

IM 2.2.1 Setback of Development and Uses from Adjacent Agricultural Use.

Project is not within 300 feet of established crop lines.

Policy 2.3 Designing for the Urban Edge

IM 2.3.1 Cluster Development.

Project construction would be within Research and Education Mixed Use areas.

IM 2.3.2 Impervious Coverage.

Project would increase impervious surface by about 1,500 feet in Lower Terrace Development Zone, which would not cause impervious surface area to exceed the standard set in the IM.

~~IM 2.3.3 Windbreak/Screening Trees~~

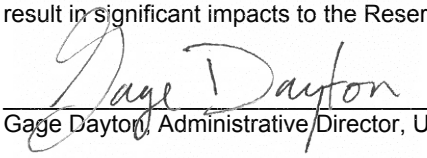
IM 2.3.4 Buildout Planning.

Expansion of the outdoor research yard in the Lower Terrace development zone is specifically allowed in the CLRDP.

~~IM 2.3.5 Interim Weed Abatement Measures for Undeveloped Land Within Development Zones.~~

~~**Short-term and Caretaker Accommodations**~~
~~**Policy 2.4 Short-term and Caretaker Accommodations**~~
~~IM 2.4.1 Short-Term Accommodation Use Restrictions.~~
~~IM 2.4.2 Caretaker Accommodations.~~
~~IM 2.4.3 Use Conversion.~~
Campus Land Uses Limited to Marine / Coastal Research and Education, Resource Protection, and Public Access
Policy 2.5 Ensuring Appropriate Land Uses on the Marine Science Campus
Project would renovate and expand an existing coastal dependent research facility.
5.3 Natural Resource Protection
Policy 3.1 Protection of the Marine Environment
IM 3.1.1 Seawater System.
Project would not expand seawater system.
IM 3.1.2 Discharge of Drainage/Storm water.
The project would add 1,500 sf of impervious surface in the Lower Terrace Development Zone. This would result in an increase in runoff to the seawater system discharge. The project includes an infiltration basin to comply with CLRDP requirements for maintaining runoff flow rates and pollutant removal.
Policy 3.2 Protection and Restoration of Habitat Areas
~~IM 3.2.1 Restoration of Wetlands on the Marine Science Campus.~~
~~IM 3.2.2 Management of Terrace Wetlands.~~
~~IM 3.2.3 Protection and Enhancement of Wildlife Movement.~~
~~IM 3.2.4 Management of Special Status Species Habitat.~~
~~IM 3.2.5 Protect Habitat Areas From Human Intrusion.~~
~~IM 3.2.6 Natural Area Management.~~
~~IM 3.2.7 Management of Water Quality and Drainage Features.~~
~~IM 3.2.8 Maintenance and Monitoring of Terrace Habitats.~~
~~IM 3.2.9 Wetland Buffers.~~
~~IM 3.2.10 Natural Areas Habitat Management.~~
IM 3.2.11 CRLF Protection.
Project biotic assessment included survey for CRLF habitat. Project includes mitigation to avoid take of CRLF.
IM 3.2.12 USFWS Consultation Required
Documentation of consultation is included (appendix__)
~~IM 3.2.13 Rodenticides.~~
IM 3.2.14 Non-Invasive Native Plant Species Required.
Planting plans comply with this requirement.
Policy 3.3 Use and Protection of Coastal Waters and Wetlands
IM 3.3.1 Pre-development Evaluation of Wetland Conditions.
A wetland evaluation for the entire campus was completed in 2011. The CLRDP land use designations were amended accordingly as part of CLRDP Amendment #1 in 2013. The Project is consistent with the revised designations.
~~IM 3.3.2 Update CLRDP With Respect to Wetlands.~~
Policy 3.4 Protection of Environmentally Sensitive Areas (ESHAs)
IM 3.4.1 Additional Measures to Protect Habitat Areas.
Project conforms to policies and programs of the CLRDP that buffer sensitive habitats.
IM 3.4.2 Noise Intrusion into Terrace ESHA.
Project would is not within 100 feet of a designated Resource Protection area in the terrace portion of the campus.
IM 3.4.3 Noise Intrusion into YLR.
A noise technical study determined that project operational noise would not result in noise levels in excess of 60 dBA CNEL at the Reserve boundary
IM 3.4.4 Pre-development Evaluation of ESHA Conditions.
A wetland evaluation for the entire campus was completed in 2011. The CLRDP land use designations were amended accordingly as part of CLRDP Amendment #1 in 2013. The Project is consistent with the revised designations.
~~IM 3.4.5 Update CLRDP With Respect to ESHA.~~
Younger Lagoon Reserve
Policy 3.5 Special Protection for Younger Lagoon Reserve
~~IM 3.5.1 Protection and Enhancement of YLR Habitats.~~
~~IM 3.5.2 Protection of Special Status Species in YLR.~~
~~IM 3.5.3 Protection of YLR Resources.~~
~~IM 3.5.4 Development of Monitoring and Maintenance Program.~~
~~IM 3.5.5 Siting of Windbreak/Screening Trees.~~

IM 3.5.6 YLR Manager Consultation.
The Administrative Director of the UCSC Natural Reserves and the Manager of the Younger Lagoon Natural Reserve have been consulted on the scope of the Project (NOID 7 (14-1)) and concur that the Project would not result in significant impacts to the Reserve.



Gage Dayton, Administrative Director, UCSC Natural Reserves — 4/10/14 Date

IM 3.5.7 Movement Not Visible From YLR (original YLR).
The existing berm will maintain visual separation of mammal pool facility from the original YLR.
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Policy 3.6 Public Access to and within YLR (Original YLR)
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Coastal Bluffs and Blufftops
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IM 3.7.1 Bluff Setbacks.
Expansion of the marine mammal pool within 100 feet of bluff is consistent with this measure.
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~~IM 3.7.3 Protecting Existing Development from Coastal Erosion.~~
Agricultural Resources
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~~IM 3.8.1 Cooperation.~~
~~IM 3.8.2 Agreement to Indemnify and Hold Harmless.~~
Cultural Resources
Policy 3.9 Conservation of Cultural Resources
IM 3.9.1 Construction Monitoring.
This requirement is included in Campus construction contract template.
Hazardous Materials Management
Policy 3.10 Hazardous Materials Management
IM 3.10.1 Hazardous Materials Management.
No new hazardous materials storage or use is proposed.
~~IM 3.10.2 Protective Measures for Laydown Yard.~~
Air Quality and Energy Consumption
Policy 3.11 Energy Efficiency in New Construction
IM 3.11.1 Energy Efficiency in New Construction.
Project includes a system to recover heat from pool overflows to eliminate need for additional boiler capacity.
~~IM 3.11.2 Energy Efficiency in Use.~~
Policy 3.12 Air Quality and Energy Conservation through Land Use and Transportation Controls
~~IM 3.12.1 Air Quality and Energy Conservation through On-Campus Short-Term Accommodations.~~
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~~IM 3.12.3 Air Quality and Energy Conservation through Parking Control.~~
~~IM 3.12.4 Air Quality and Energy Conservation through Alternative Transportation.~~
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Natural Resource Protection Analysis
Policy 3.13 Natural Resource Protection Analysis Required
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5.4. Scenic and Visual Qualities
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Project is in Development Subareas 12 and 13, and is consistent with Figure 5.4
Policy 4.1 Protection of Scenic Views
IM 4.1.1 Location of Development.
Project location is consistent with Figures 5.2. and 5.4.
Policy 4.2 Protection of Scenic Quality
IM 4.2.1 Design Standards and Illustrative Campus Build out Site Plan.
New fencing around the expanded mammal pool facility would be no more than 8 feet tall, in compliance with the fencing/barrier design guidelines in the CLRDP.
IM 4.2.2 Alteration of Natural Landforms.
Project would increase depth of mammal pool to 30 feet but would not alter surface landforms
IM 4.2.3 Building and Other Structure Heights.
New fencing around the expanded mammal pool facility would be no more than 8 feet tall, in compliance with the fencing/barrier design guidelines in the CLRDP.

~~IM 4.2.4 Laboratory Buildings.~~
~~IM 4.2.5 Maximum Building Gross Square Footage.~~
~~IM 4.2.6 Maximum Additional Gross Square Footage in Lower Terrace.~~
~~IM 4.2.7 Construction Materials.~~
~~IM 4.2.8 Building Setbacks.~~
~~IM 4.2.9 Building Length Limitations.~~
IM 4.2.10 Placement of Utility Lines Underground.
All utilities would be underground.
~~IM 4.2.11 Windbreak/Screening Trees.~~
~~IM 4.2.12 Development in Northernmost Portion of Middle Terrace.~~
IM 4.2.13 Development Along Edge of Lower Terrace.
Area of mammal pool facility expansion is in Subarea #13, and will not be taller than the top of the berm
IM 4.2.14 Building Development West of McAllister Way in Lower Terrace.
Mammal pool facility is in Lower Terrace west of McAllister Way. The project would not develop any buildings, and the mammal pool expansion is integrally related to existing research activities in that area.
~~IM 4.2.15 Building Development West of McAllister Way in Middle Terrace.~~
~~IM 4.2.16 Building Development Outside of Subareas Prohibited.~~

Policy 4.3 Visual Intrusion and Lighting

IM 4.3.1 Visual Intrusion into YLR (Original YLR).
With existing berm, activity and light will not be visible from with the original YLR.
IM 4.3.2 Visual Intrusion into YLR (Terrace Lands).
Existing and new fencing would screen the expanded mammal pool facility from other ESHA.
IM 4.3.3 All Lighting.
Low-level LED pathway lighting will be provided along the new ramp to the underground observation room, replacing existing large area flood lights New pole-mounted lighting at the dolphin pool would be designed to limit light spillage. If feasible, switches will be designed to allow staff to turn on only those lights that are needed.
~~IM 4.3.4 Building Lighting.~~
~~IM 4.3.5 Street and Trail Lighting.~~
~~IM 4.3.6 Parking Lot and Maintenance Yard Lighting.~~
~~IM 4.3.7 Sign Lighting.~~
~~IM 4.3.8 Lighting Plan Required.~~

5.5. Circulation and Parking

Figure 5.5 Circulation and Parking Diagram

Auto Circulation

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~~IM 5.1.1 New Circulation System.~~
~~IM 5.1.2 Improve Shaffer Road / Delaware Avenue Intersection~~
~~IM 5.1.3 Shaffer Road Improvements.~~
~~IM 5.1.4 Access for Wildlife Across Shaffer Road (Upper Wildlife Corridor).~~
~~IM 5.1.5 Access for Wildlife Across Shaffer Road (Lower Wildlife Corridor).~~
~~IM 5.1.6 Use of Former Access Road.~~
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Travel Mode Split

Policy 5.2 Travel Mode Split

~~IM 5.2.1 Encourage Alternatives to Single Occupant Vehicle.~~
~~IM 5.2.2 Alternatives to the Single Occupant Vehicle.~~

Parking

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~~IM 5.3.4 Middle Terrace Public Coastal Access Parking.~~
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~~IM 5.4.1 Development of New Parking~~
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~~IM 5.4.3 Distribution and Intensity of Parking~~

Parking Management

Policy 5.5 Parking Management

~~IM 5.5.1 Permits Required.~~
~~IM 5.5.2 Public Coastal Access Parking.~~

~~IM 5.5.3 Carpools and Vanpools.~~
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~~IM 5.5.5 Entrance Kiosk.~~
~~IM 5.5.6 Parking Limitation Seaward of Whale Skeleton.~~
~~IM 5.5.7 Parking Enforcement.~~

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Policy 5.6 Promotion of Bicycle Use and Walking

~~IM 5.6.1 Sheltered and Secured Bike Parking.~~
~~IM 5.6.2 Bike Parking Outside Buildings.~~
~~IM 5.6.3 Personal Lockers and Showers.~~
~~IM 5.6.4 Coordinated Marketing with City of Santa Cruz.~~
~~IM 5.6.5 Crosswalk Design.~~
~~IM 5.6.6 Siting Buildings for Ease of Access.~~

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Policy 5.7 Promotion of Transit Use

~~IM 5.7.1 Extension of Santa Cruz Municipal Transit District Transit Services.~~
~~IM 5.7.2 Expansion of Shuttle Services.~~
~~IM 5.7.3 Physical Infrastructure for Transit.~~

Transportation Demand Management (TDM) Coordination

Policy 5.8 TDM Coordination

~~IM 5.8.1 Carpool and Vanpool Services.~~
~~IM 5.8.2 TDM Coordination.~~
~~IM 5.8.3 Transportation Information.~~

Traffic Impacts on City Streets

Policy 5.9 Impacts Offset

Circulation and Parking Plan

Project will not generate new vehicle trips or parking demand.

5.6. Public Access and Recreation

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~~IM 6.1.1 Free Public Access for Visitors.~~
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~~IM 6.1.6 Educational Programs for Pre-College Students.~~
~~IM 6.1.7 Interpretive Information.~~

Policy 6.2 Management of Public Areas

~~IM 6.2.1 Public Use Hours for the Marine Science Campus.~~
~~IM 6.2.2 Public Trail Continuity.~~
~~IM 6.2.3 Access to Resource Protection Areas.~~
~~IM 6.2.4 Access to Resource Protection Buffer Areas.~~
~~IM 6.2.5 Access to Coastal Bluffs.~~
~~IM 6.2.6 Access to Laboratories and Research Areas.~~
~~IM 6.2.7 Caretaker Residence and Lab Security.~~
~~IM 6.2.8 Bicycles on the Marine Science Campus.~~
~~IM 6.2.9 Domestic Pets.~~
~~IM 6.2.10 Public Access Signage.~~
~~IM 6.2.11 Off-Campus Trail Connectivity.~~
~~IM 6.2.12 Maintenance of Existing Public Access.~~
~~IM 6.2.13 Public Access to Younger Lagoon Beach.~~

5.7. Hydrology and Water Quality

Figure 5.7 Utilities Diagram

Policy 7.1 Productivity and Quality of Coastal Waters

IM 7.1.1 Management of Storm water and Other Runoff.
Project includes a new infiltration basin the filter and treat runoff.
IM 7.1.2 Water Quality Standards.
Project includes a new infiltration basin the filter and treat runoff.
IM 7.1.3 Pre- and Post-Development Flows.
Project includes a new infiltration basin the filter and treat runoff.
IM 7.1.4 Pre-Development Drainage Patterns Defined.
IM 7.1.5 Pre-Development Drainage Peak Flow Rates Defined.
IM 7.1.6 Groundwater Recharge.
New infiltration basin will be constructed to meet this requirement.

IM 7.1.7 Seawater System (Seawater Containment)
Project site is served by seawater system. Discharges from the system and overflows from the pools would continue to flow to the seawater system discharge.
~~IM 7.1.8 Irrigation and Use of Chemicals for Landscaping.~~
IM 7.1.9 Wastewater.
Project will not generate additional wastewater.
IM 7.1.10 Elements of the Storm water Treatment Train.
A new infiltration basin will be constructed.
~~IM 7.1.11 Runoff Containment for Laydown Yard and Food Service Washdown Areas.~~
IM 7.1.12 Location of Treatment Train Components.
New infiltration basin will be constructed within the Lower Terrace development Zone.
IM 7.1.13 Permeable Hardscape.
Project would not construct new parking areas, paths or roads.
IM 7.1.14 Ocean Discharge.
Site discharges to seawater system, which is covered under the NPDES General Permit for Discharges from Aquaculture and Aquariums (NPDES Permit No. CAG993003)
~~IM 7.1.15 Drainage System Interpretive Signs.~~
IM 7.1.16 Design of Vegetated Storm water Basins.
New infiltration basin will be within the Lower Terrace development zone and will be planted with native vegetation.
IM 7.1.17 Designation of Treatment Train.
New infiltration basin will be constructed to meet this standard
Policy 7.2 Long-Term Maintenance and Monitoring
IM 7.2.1 Drainage System Monitoring and Maintenance.
New infiltration basin will be incorporated into maintenance program.
~~IM 7.2.2 Storm water System Natural Features Maintenance.~~
IM 7.2.3 Drainage System Sampling.
Site discharges to seawater system, which is covered under the NPDES General Permit for Discharges from Aquaculture and Aquariums (NPDES Permit No. CAG993003),which includes sampling requirements.
~~IM 7.2.4 Long-Term Maintenance of Storm water System.~~
Policy 7.3 Drainage Discharge Points
~~IM 7.3.1 Discharge to Younger Lagoon Reserve.~~
IM 7.3.2 Discharge Siting and Design.
New impervious surface will discharge to existing seawater return outfall.
Policy 7.4 Drainage Plan Required

5.8 Utilities
Policy 8.1 Provision of Public Works Facilities
IM 8.1.1 Sizing of Utilities.
No new utility lines other than connecting new pools to existing utilities, moving existing utility lines outside of footprint of pool expansion area, and connection to new PV or solar thermal systems.
IM 8.1.2 Seawater System.
Project will not expand seawater system.
Policy 8.2 Protection of Biological Productivity and Quality of Coastal Waters When Providing Public Works Facilities
IM 8.2.1 Installation of New Utility Lines and Related Facilities.
All new utility lines would be within CLRDP development zones.
~~IM 8.2.2 Seawater System.~~

IM 8.2.3 Evaluation of Western Utility Corridor.
Policy 8.3 Water Conservation Required
Project will not increase campus water use.
Policy 8.4 Impacts to City Water and Sewer Systems Offset
Project will not increase campus water use or discharge to sewer system.
Policy 8.5 Utility Plan Required

CHAPTER 6 Design Guidelines

6.1 Building Design
6.2 Campus Street Design
6.3 Parking Design
6.5 Landscape Design
6.6 Lighting Design
6.7 Signage Design
6.8 Fence / Barrier Design

CHAPTER 7 Illustrative Campus Buildout Site Plan and Preliminary Designs

CHAPTER 8 Development Procedures

This NOID and the public notification process is submitted in conformance with the requirements of the CLRDP.

CHAPTER 9 Capital Improvement Program

APPENDIX A Resource Management Plan

APPENDIX B Drainage Concept Plan

1c. Environmental Compliance Documentation

See Section 3

1d. Technical Reports

NA

1e. Consultation Documentation with other Agencies

UC Santa Cruz Mail - Re: UCSC Marine Science Campus: Mammal Pool... https://mail.google.com/mail/u/0/?ui=2&ik=cac2c222b6&view=pt&searc...

Google @UCSC

Alisa Klaus <aklaus@ucsc.edu>

Re: UCSC Marine Science Campus: Mammal Pool Renovation and Expansion Project

1 message

Mitcham, Chad <chad_mitcham@fws.gov> Fri, Oct 25, 2013 at 3:45 PM
To: Alisa Klaus <aklaus@ucsc.edu>

Alisa,

We've reviewed your request for concurrence for the UCSC Marine Science Campus Expansion Project. It appears that the possibility of California red-legged frogs (CRLF) occurring at the project site is low; however, we recommend the implementation of the proposed measures (1a - 1d) that are contained in the biological assessment (attached) to ensure no take of CRLF. With the implementation of the proposed measures consider this email our authorization to conduct the proposed project. Keep in mind that this authorization does not allow for take of federally listed species. If a CRLF is observed onsite in an area to be impacted work must cease and the Service notified. Thank you for your coordination and feel free to contact me if you have any questions.

Chad Mitcham
Fish and Wildlife Biologist
US Fish and Wildlife Service
Ventura FWO, Santa Cruz sub-office
1100 Fiesta Way, Watsonville 95076
Tel: 805-512-6805

On Thu, Oct 10, 2013 at 10:16 AM, Alisa Klaus <aklaus@ucsc.edu> wrote:

> Dear Chad--
> We are preparing a Draft Initial Study/Mitigated Negative Declaration for a project at the UCSC Marine Science Campus that would renovate and expand the existing marine mammal pool facility on the lower terrace and, and install some temporary mammal pool tanks within the CDFW mammal tank yard in the middle terrace. For the most part, construction will within existing developed and fenced research yards, but the project also includes expansion of the yard on the lower terrace. This will require excavation into the vegetated berm that separates the Long Marine Lab development from Younger Lagoon Reserve.
> Mark Allaback (Biosearch Associates) and Tom Mahoney (Coast Range Biological) have prepared a biotic assessment for the Project (attached). Their report concluded that the probability of CRLF is present is low, but recommends mitigation measures to address potential construction impacts.
> This email is to request your concurrence with the determination that, with implementation of these mitigation measures, the Project would not result in take of CRLF. I am attaching the biotic assessment report, which includes a brief project description and maps showing the project areas, as well as the biologists' findings and recommended mitigation measures.
> Please let me know if you have any comments or questions, and if you would like to visit the site.
> Thank you---Alisa
>
> --
> Alisa Klaus
> Senior Environmental Planner
> UCSC Physical Planning and Construction
> (831) 459-3732

1 of 1 11/12/2013 9:11 AM

1f. Implementing Mechanisms

1g. Correspondence Received

1h. Project Manager

Christy Ishimine Hatfield, 831.459.2170

2. University Approval Documentation

Drafted by: A. Klaus
Reviewed by: D. Fitch

March 5, 2014

ITEM FOR ACTION

FOR VICE CHANCELLOR APPROVAL

DESIGN APPROVAL, MARINE MAMMAL POOL EXPANSION AND RENOVATION PROJECT

The Campus Architect, UC Santa Cruz Physical Planning and Construction recommends that, upon review and consideration of the potential for environmental consequences of the proposed Marine Mammal Pool Expansion and Renovation Project as described in the Initial Study/Mitigated Negative Declaration that was prepared for the Project, and in accordance with the Regents Delegation of Authority DA 2575 delegates to Chancellors, "the authority to approve design for projects with a total individual project cost not exceeding $10,000,000." Projects over $10,000,000 require design approval by the Committee on Grounds and Buildings of The Regents. On February 28, 2014, the Chancellor re-delegated to the Vice Chancellor – Business and Administrative Services authority to approve design of projects with costs not exceeding $10,000,000, the Vice Chancellor – Business and Administrative Services hereby takes the following actions:

1. Review and consider the Initial Study/Mitigated Negative Declaration (Attachment #2) and the Final Environmental Impact Report prepared for the Marine Science Campus Coastal Long Range Development Plan (Attachment #3), from which the Initial Study/Mitigated Negative Declaration is tiered.
2. Adopt the Mitigated Negative Declaration and Initial Study and Mitigation Monitoring and Reporting Program (Appendix C to the Initial Study).
3. Adopt the Findings set forth in Attachment #4 hereto.
4. Approve the design and construction of the Marine Mammal Pool Expansion and Renovation Project.

The Marine Mammal Pool Expansion and Renovation Project falls within the authority of the Vice Chancellor – Business and Administrative Services for approval.

Enclosed for the Vice Chancellor's consideration and approval are the following documents, all of which have been prepared in consultation with the Office of the President and the Office of General Counsel:

Marine Mammal Pool Expansion and Renovation Project

- Attachment 1. Project Graphics
- Attachment 2. Mammal Pool Expansion and Renovation Project Final Tiered Initial Study/Mitigated Negative Declaration
- Attachment 3. Marine Science Campus Coastal Long Range Development Plan EIR (on CD)
- Attachment 4. Mammal Pool Expansion and Renovation Project CEQA Findings

I recommend approval of this project. Physical Planning and Construction staff are available to answer any questions that you have. Please return the signed documents to PP&C for appropriate distribution and filing.

1

RECOMMENDED

John Barnes 3.18.14

John Barnes, Campus Architect — Date

APPROVED

Sarah C. Latham 3/19/14

Sarah C. Latham, Vice Chancellor, Business and Administrative Services — Date

ATTACHMENTS:

Attachment 1. Project Graphics

Attachment 2. Mammal Pool Expansion and Renovation Project Final Tiered Initial Study/Mitigated Negative

Attachment 3. Marine Science Campus Coastal Long Range Development Plan EIR (on CD)

Attachment 4. Mammal Pool Expansion and Renovation Project CEQA Findings

3. Environmental Compliance Documentation

Attached Final Initial Study – Mitigated Negative Declaration

Notice of Determination Appendix D

To: ☒ Office of Planning and Research
PO Box 3044, 1400 Tenth Street, Room 222
Sacramento, CA 95812-3044
☐ County Clerk County of _____

From: University of California Santa Cruz
Physical Planning and Construction
1156 High Street
Santa Cruz, California 95064

Subject: Filing of Notice of Determination in Compliance with Section 21108 or 21152 of the Public Resource Code.

State Clearinghouse Number: 2013112013
Project Title: Mammal Pool Renovation and Expansion Project
Project Location: UC Santa Cruz Marine Science Campus, 100 Shaffer Rd., Santa Cruz
County: Santa Cruz

Project Description: The Project would renovate and expand the existing 20,200-sf outdoor marine mammal pool facility. The Project would expand the facility by about 2,894 sf to accommodate enlargement of the largest pool up to 25 feet in length. The expansion would involve removing an existing fence, excavation of a portion of a berm, excavation to increase the maximum depth of the expanded pool to 30 feet, construction of a new retaining wall, and new fencing. The Project also includes improvements to existing above-ground tanks and the installation of new tanks at the California Department of Fish and Wildlife facility at the Marine Science Campus, to provide temporary accommodation of the animals that would be displaced by construction.

This is to advise that the University of California (☒ Lead Agency ☐ Responsible Agency) has approved the above-described project on March 19, 2014 and has made the following determinations regarding the above-described project:

1. The project ☐ will ☒ will not have a significant effect on the environment.
2. ☐ An Environmental Impact Report was prepared for this project pursuant to the provisions of CEQA.
   ☒ A Negative Declaration was prepared for this project pursuant to the provisions of CEQA.
3. Mitigation measures [☒ were ☐were not] made a condition of the approval of the project.
4. A mitigation reporting or monitoring plan [[☒ was ☐ was not] adopted for this project.
5. A statement of Overriding Considerations [☐ was ☒was not] adopted for this project.
6. Findings [☒ were ☐ were not] made pursuant to the provisions of CEQA.

This is to certify that the final Initial Study with comments and responses, , and record of project approval are available to the general public at the office of Physical Planning and Construction, University of California, Santa Cruz, 1156 High Street, Santa Cruz, CA.

Signature: _____
Alisa Klaus
Title: Senior Environmental Planner
Date: March 20, 2014

RECEIVED
MAR 21 2014
STATE CLEARING HOUSE

Dated Received for filing at OPR:

Authority cited: Sections 21083 and 21087, Public Resources Code.
Reference: Sections 21000-21174, Public Resources Code.

Revised 2004

4. Plans, Specifications, etc.

(this section used if project documentation is large format or extensive)

Attached Design Graphics

5. Technical Reports

NA