

# UNIVERSITY OF CALIFORNIA SANTA CRUZ, COASTAL LONG RANGE DEVELOPMENT PLAN

## 2009 ANNUAL REPORT

June 2010

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### 1 Introduction

As specified in Section 8.8 of the Coastal Long Range Development Plan (CLRDP), this annual CLRDP report includes a cumulative and calendar-year summary of the compliance of development projects authorized under the CLRDP with the terms and conditions of their authorizations; a description of development excluded from the development review procedures in Sections 8.1.4, 8.2 and 8.4 of the CLRDP by virtue of Section 8.3; authorizations for emergency development pursuant to Section 8.10; enforcement of the provisions of the CLRDP pursuant to Section 8.9; annual monitoring reports required under the CLRDP; the status of CLRDP-required improvements and other University commitments; and any comments received on CLRDP implementation.

A record of the CLRDP annual monitoring report is maintained in the offices of UCSC Physical Planning & Construction and is available for public review by appointment. A copy of the annual report will be submitted to the Executive Director of the California Coastal Commission.

### 2 Project Compliance

This section summarizes the compliance of development projects that were authorized under the CLRDP in 2009 with the terms and conditions of their authorization.

NOID 09-1, Outdoor Research Yard Expansion and Public Access Improvements. Authorized on September 9, 2009. The Coastal Commission determined that the proposed development project is consistent with the CLRDP, with the condition that the University submit Design Plans for the Caretakers' Units, Public Access Sign Plans, and Parking Plans to the Coastal Commission for review and approval prior to the beginning of construction. The University submitted the plans to the Coastal Commission on September 21, 2009, and the Coastal Commission approved the plans on November 2, 2009. The project is currently under construction.

### 3 Development Excluded from Development Review Procedures

This section describes development undertaken in 2009 that is excluded from the development review procedures in CLRDP sections 8.1.4, 8.2., and 8.4 by virtue of Section 8.3. No such development was undertaken in 2009.

### 4 Emergency Authorizations

This section describes development undertaken in 2009 pursuant to emergency authorizations by the UCSC Chancellor or the California Coastal Commission pursuant to CLRDP Section 8.10. No emergency authorizations were approved in 2009.

### 5 Enforcement

This section describes actions taken to enforce the provisions of the CLRDP and the Coastal Act which are enforceable pursuant to Chapter 9 of California Public Resources Code Division 20. No enforcement actions were taken in 2009.

### 6 CLRDP-Required Annual Monitoring Reports

The CLRDP requires the following annual monitoring reports:

- **Water Quality Report.** The annual water quality report is to be prepared following each storm season (typically post-April 15th) and the report completed by mid-summer. The annual water quality report for the 2008-09 storm season is presented in Appendix A of this document.
- **Resource Management Plan Reporting.** The Resource Management Plan (CLRDP Appendix A) requires the submission of annual reports of the results of monitoring activities

provided for in the Specific Resource Plan (SRP) that will be prepared for each phase of habitat restoration. The first annual report will be submitted by December 31, 2010.

## 7 Status of University Commitments

This section summarizes the status of the capital improvements identified in CLRDP Chapter 9 and other University commitments, including measures to protect and enhance habitat, public access policies and procedures, and transportation demand management.

### 7.1 Capital Improvement Program

As a result of the unanticipated and unprecedented decline in revenue, and associated reductions in funding and staff time, over the past year, the Campus has not been able to meet all of the schedule requirements of the CLRDP Capital Improvement Program. In compliance with CLRDP Policy 1.2, which contains a provision that allows for relief of CLRDP requirements, the Campus has notified the Executive Director of the manner in which the University proposes to remedy the default and proposed a schedule for monitoring and reporting progress on correcting the deficiency. Table 1 summarizes the status of the capital improvements identified in CLRDP Chapter 9, including the revised schedule proposed by the Campus.

**Table 1**  
**Status of Capital Improvements Required by the CLRDP**

Category	Improvement	Status
<b>Public access improvements</b>	Trails	
	<i>Group 1</i>	Not triggered. No action taken in 2009.
	<i>Group 2</i>	Not triggered. No action taken in 2009.
	<i>Group 3</i>	Not triggered. No action taken in 2009.
	Overlooks	
	<i>Overlook A</i>	In design in 2009. Construction of this improvement will conform to the approved revised schedule, as described above.
	<i>Overlook B</i>	Authorized as part of NOID 09-1 and currently under construction. Construction will be completed in fall 2010.
	<i>Overlook C</i>	In design in 2009. Construction of this improvement will conform to the approved revised schedule, as described above.
	<i>Overlook D</i>	In design in 2009. Construction of this improvement will conform to the approved revised schedule, as described above.
	<i>Overlook E</i>	In design in 2009. Construction of this improvement will conform to the approved revised schedule, as described above.

<b>Category</b>	<b>Improvement</b>	<b>Status</b>
	<i>Overlook F</i>	In design in 2009. Construction of this improvement will conform to the approved revised schedule, as described above.
	Parking	
	<i>Lower terrace public coastal access</i>	Construction of this improvement will conform to the approved revised schedule, as described above.
	<i>Lower terrace dual use</i>	Construction of this improvement will conform to the approved revised schedule, as described above.
	<i>Middle terrace public coastal access</i>	No action required in 2009.
	<i>Campus Entrance</i>	No action required in 2009.
	<i>Updated signs and information-public access parking</i>	New signs will be installed in 2010 as part of the Outdoor Research Yard Expansion and Public Access Improvements Project (NOID-09-1) and in conjunction with the designation of lower terrace public coastal access parking spaces.
	<i>Parking program</i>	No action required in 2009. The University plans to implement a parking permit program in 2010.
	<i>Identification of Access Facilities</i>	(CLRDP section 9.1.4) Informational signs are scattered throughout the site at public visitor destinations, showing public access trail map. Brochures about research activities, educational opportunities, planned events, and participation opportunities are available at the Seymour Center entry area, the Seymour Center administrative office, and at the Long Marine Lab main administrative office.
<b>Habitat enhancements</b>	Natural areas restoration	See Section 7.2, below.
	Remove/restore parking area west of McAllister Way	Construction of this improvement will conform to the approved revised schedule, as described above.
<b>Circulation Improvements</b>	Shaffer Rd. Improvements	Not triggered. No action taken in 2009.

Category	Improvement	Status
	Realigned Main Campus Street	Not triggered. No action taken in 2009.
	Shaffer/Delaware Intersection	Not triggered. No action taken in 2009.
<b>Drainage System Improvements</b>	De Anza Mobile Home Park drainage pipe	Not triggered. No action taken in 2009.
	Outfall west of NOAA Outfall west of NOAA	Not triggered. No action taken in 2009.
	Middle terrace percolation trench and berm	Not triggered. No action taken in 2009.

### **7.2 Habitat Enhancement and Protection**

On July 24, 2008 the University of California Natural Reserve System (UCNRS) and UCSC Campus Administration signed an agreement incorporating the approximately 47 ac (19 ha) of natural areas outside of the development zones on the Marine Science Campus into the University of California Natural Reserve System (UCNRS) as part of UCSC's Younger Lagoon Reserve (YLR). The agreement outlines the commitment by the NRS and campus to comply with restoration, management, and research on all YLR lands.

The Chancellor of UCSC appointed a Scientific Advisory Committee (SAC) to guide the creation of a Specific Resource Plan (SRP) on January 30, 2009. During 2009, Reserve staff drafted an SRP for Phase 1 of the restoration and management of the Terrace Lands, in consultation with the SAC and other technical professionals. A NOID for the SRP will be submitted to the Coastal Commission in 2010. Habitat management activities on the Terrace Lands in 2009 included baseline monitoring of biological conditions, hand removal of invasive plants, hand-planting of native vegetation, and seed collection.

### **7.3 Public Access Policies and Procedures**

Consistent with the provisions of the CLRDP, the Marine Science Campus is open to the public during daylight hours. Access to the Marine Science Campus is free except that a fee is charged for admission to the Seymour Discovery Center. Research areas, research buildings, and the lagoon portion of the Younger Lagoon Reserve are not open to the public. All parking on the campus during 2009 was free and on a first-come-first-serve basis. The Seymour Center is open six days a week.

Supervised site tours of parts of Long Marine Lab, as well as the Seymour Center exhibits halls and outdoor areas are offered three times a day on the days when the Seymour Center is open. Tours of marine mammal research areas are offered twice a month. The Seymour Center also offers a variety of field trips for K-12 school classes and community college groups, including hands-on lab activities.

In November 2009, the University submitted a Notice of Intent to Submit a NOID for a plan to allow controlled public access to the beach of the Younger Lagoon Reserve. Access to other resource protection areas of the terrace lands is not controlled at this time.

### **7.4 Transportation Demand Management**

Santa Cruz Metropolitan Transit District (SMTD) UC Westside Route 20 bus provides hourly service weekdays from 7:30 a.m. until 8:30 p.m., and weekends from 8:30 a.m. until 8:30 p.m., to Delaware Avenue and Natural Bridges. Supplemental bus service is provided on weekdays during the school term to handle overload on this route.

Through an agreement between the University and the SCMTD, students who display a valid UCSC ID card do not have to pay a fare to ride SCMTD buses. SCMTD service for students is funded through the Student Transit Fee. Faculty and staff may obtain a SCMTD bus pass for \$8.75 per

month, or \$105 annually, which provides UCSC's Transportation and Parking Services (TAPS) with funding for payments to the SCMTD to accommodate faculty and staff transit ridership.

The Campus' Long Marine Lab Shuttle was discontinued in Fall 2009, as ridership levels continued to decline for the third year in a row. With a total ridership for 2008-09 of only 741 passengers, the cost of the shuttle was more than \$56 per ride, and the shuttle was determined not to be a cost effective means of reducing trips to the campus.

TAPS coordinates a vanpool program that is open to faculty, staff and students. Zimride, a Facebook-based application, provides ride matching (on a regular or occasional basis) to members of the UCSC community. TAPS also has several programs to support the use of bicycles as a means of transportation: classes on bicycle safety, free bicycle licensing, a no-interest bike loan program, an emergency-ride-home program, and bicycle maintenance and repair clinics on the main campus.

TAPS website provides detailed information about all of the Campus' alternative transportation programs and links to the SCMTD website.

### ***7.5 CLRDP EIR Mitigation Monitoring Program***

The CLRDP EIR Annual Mitigation Monitoring Report is presented in Appendix B.

## **8 Comments Received on CLRDP Implementation**

No comments on implementation of the CLRDP were received in 2009.

## **Appendices**

Appendix A: Annual Water Quality Report.

Appendix B: Annual Mitigation Monitoring Report.

Appendix A  
Annual Water Quality Report

# UC SANTA CRUZ, COASTAL LONG RANGE DEVELOPMENT PLAN

## 2009 ANNUAL WATER QUALITY REPORT

June 2010

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### 1 Introduction

As specified in Section B.6.3 of the UC Santa Cruz Coastal Long Range Development Plan (CLRDP), this annual water quality report includes: 1) the results of the Drainage Monitoring and Maintenance Program described in Fig. B.22 of the CLRDP; 2) the results of any individual water quality monitoring requirements emanating from individual development projects; 3) any monitoring or other related information applicable to other Campus discharges (such as NPDES requirements associated with seawater discharges); 4) recommendations for any modifications to Campus drainage system components that are necessary to achieve CLRDP water quality performance standards.

The annual water quality report is prepared following each storm season (typically post-April 15th) and the report completed by mid-summer to allow any necessary changes to be implemented prior to the next storm season (i.e., by October 15th). Annual water quality reports are maintained in the offices of UC Santa Cruz Physical Planning and Construction, and are available for public review and shall be made readily available to researchers investigating the performance of water quality “best management practices” (BMPs).

### 2 Drainage Monitoring and Maintenance Program

This section summarizes the results of the Drainage Monitoring and Maintenance Program, including the assessment of source control BMP efficacy and the required monitoring and maintenance for treatment BMPs. The Drainage Monitoring and Maintenance Program includes monitoring and maintenance requirements for source control BMPs and treatment BMPs.

#### 2.1.1 Source Control BMPs

Table 1 summarizes the results of the Campus’ annual assessment of source control BMPs, as specified in Section B.6.1 of the CLRDP.

**Table 1**

#### **Annual Assessment of Source Control BMPs**

Minimum Performance Standard	Status
That the Campus is providing adequate and convenient means for the recycling/disposal of commercial and household hazardous wastes. The performance standard to be achieved is that all commercial and household hazardous wastes that can be recycled are being recycled, and that all such wastes that cannot be recycled are being properly disposed of.	Currently, the caretaker’s residence is the only residence on the Marine Science Campus. All campus employees who handle hazardous are required to attend hazardous waste training sessions and to follow the hazardous waste handling procedures established by UCSC Environmental Health and Safety. (EH&S) collects all hazardous wastes generated on the campus for proper disposal. EH&S maintains online recycling and disposal guidelines that help members of the campus community identify which materials can be recycled and

UCSC CLRDP, 2009 Annual Water Quality Report

June 2010

Minimum Performance Standard	Status
	which must be disposed of as hazardous waste. A recycling bin for used batteries is kept in the Center for Ocean Health mail room.
<p>That less toxic alternatives to commercial and household hazardous chemicals (such as lubricants, pesticides, solvents, acids, alkalis and paints) are being used where possible, and that all such chemicals are appropriately stored and sparingly used. The performance standard to be achieved is that all commercial and household hazardous chemicals are stored in a manner designed to contain all spills, that information on less-toxic alternatives has been provided to potential Campus users, and that chemicals are used sparingly, per their intended application, and in a manner designed to minimize the potential for such chemicals to be applied outside target application areas.</p>	<p>Updates and educational outreach regarding the evolving universal waste programs are provided during laboratory safety meetings, waste generator training classes, a poster at Earth Summit, and a booth and poster at the Staff Picnic. Hazardous waste training classes are routinely offered and focus on the UCSC Waste Management website, where training participants learn how to navigate the site, find and use the fact sheets and the waste minimization webpage, hazardous waste determination and classification guidelines, the online hazardous waste tracking system, a new recycling and disposal guide, and a link to the Green Alternatives Wizard, a database that provides information on alternatives to hazardous chemicals or processes.</p>
<p>That all roads, parking lots, and other paved surfaces are being vacuum swept with a regenerative-air sweeper designed to control litter, dust, dirt, and other potential pollutants to the maximum extent feasible. The performance standard to be achieved is that all paved surfaces are vacuum swept at least one time per month and that all regenerative-air sweepers used are maintained in good working order per the manufacture's recommendations.</p>	<p>During the 2008-09 storm season, the roads, parking lots and paved surfaces were cleaned with a mechanical street sweeper. A regenerative air type sweeper has not been available for maintenance operations. Not all areas were swept on a monthly basis. Sweeping schedules have been updated and street sweeping frequency will be increased as resources allow.</p>
<p>That all landscaping uses native plants with low nutrient, water, and pesticide/rodenticide requirements. The performance standard to be achieved is that all Campus landscaping meets this criterion.</p>	<p>No new landscaping was installed in 2009.</p>
<p>That the University is providing Marine Science Campus users with convenient recycling and yard waste programs, and that Campus users are fully utilizing the University's recycling and yard waste programs. The performance standard to be achieved is that 100 percent of recyclable materials are recycled and that 100 percent of yard wastes are mulched/reused.</p>	<p>Mixed Recycling Containers are staged at the Center for Ocean Health, Seymour Discovery Center, the Boat Yard, the Predatory Bird Project and at the California Fish &amp; Game Facility for oiled wildlife. All these facilities receive indoor centralized office paper recycling, generally in the copy rooms. Two cardboard dumpsters service the same group of facilities. Additionally, yard waste is put into cubic yard carts that are emptied into a large debris box that is green-wasted at the City Recycle Center. Finally, Physical Plan provides a separate debris box for all Natural Reserve and Site Stewardship 'yard waste'.</p>



June 2010

Minimum Performance Standard	Status
<p>That Campus users are educated regarding the nature of urban runoff pollutants and means of limiting pollutant generation. The performance standard to be achieved is that the University has developed a water quality and runoff educational program (including educational hand-outs and other materials), that that program meets current professional standards for such education programs, and that the University has provided educational materials and other educational programs (i.e., presentations, videos, etc.) to each Campus user (UCSC, Campus-affiliates, visitors, other site users, etc.).</p>	<p>There are currently no private residences on the campus. The Marine Science Campus is included in the Campus Storm Water Management Plan (SWMP), which was approved by the Regional Water Quality Control Board in April 2009. The development of the SWMP has been announced to the campus community in UCSC Currents and is accessible from the main campus or EH&amp;S webpages. An email address has been instituted to facilitate contact with the storm water program and to relay questions or issues. Key personnel whose responsibilities include activities that potentially could have a significant impact on storm water quality have received storm water awareness training. Storm Water Quality education and outreach was provided through a booth and poster display featured at the annual staff picnic. The Storm Water Management Plan details campus community education and outreach programs and their development schedule.</p>

**2.1.2 Treatment BMPs**

No treatment BMPs have been installed since the CLRDP was approved.

**3 Project Water Quality Monitoring**

This section describes the results of any individual water quality monitoring requirements emanating from individual development projects. There were no individual water quality monitoring requirements emanating from individual development projects in 2009.

**4 Monitoring Applicable to Other Campus Discharges**

This section describes monitoring or other related information applicable to other Campus discharges (such as NPDES requirements associated with seawater discharges). Discharges of seawater from the Campus are subject to the monitoring requirements of the General Permit for Discharges from Aquaculture and Aquariums (NPDES Permit No. CAG993003). A copy of the 2009 Annual Report and Fourth Quarter Monitoring Report is attached. For all four monitoring periods of 2009, the Long Marine Lab discharge was in full compliance in all aspects of the permit.

**5 Recommendations**

This section presents recommendations for any modifications to Campus drainage system components that are necessary to achieve CLRDP water quality performance standards. No new development projects were completed in 2009, and no drainage system components have been constructed under the CLRDP.

UCSC CLRDP, 2009 Annual Water Quality Report

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**Attachment:** Long Marine Laboratory Annual Report 2009 & Fourth Quarter Monitoring Report, NPDES General Permit No.CAG993003, and Monitoring and Reporting Program No. R3-2008-0059.

January 22, 2010

Roger Briggs, Executive Officer  
California Regional Water Quality Control Board  
Central Coast Region  
895 Aerovista Place, Suite 101  
San Luis Obispo, CA 93401

Long Marine Laboratory  
Annual Report 2009 &  
Fourth Quarter Monitoring Report

Dear Mr. Briggs:

Please accept this letter and attachments in satisfaction of our Annual Report requirement for 2009 and Monitoring Report for the fourth quarter 2009 in accordance with the requirements of our General Permit No. CAG993003, and Monitoring and Reporting Program No. R3-2008-0059. Included is a one-page tabular summary of the sample analysis results by constituent for all four quarters of the year. Also included is a one-page summary of results and observations for the fourth quarter, along with the quantitative chemical analysis report from Soil Control Lab, an analytical laboratory approved by the State of California. Should you need to see our field notes from the sampling and observations or the chain-of-custody document for the samples taken for analysis, please let me know--I will retain that detailed background information in files at Long Marine Laboratory.

The following statements are intended to satisfy specific requirements of our permit for annual reporting:  
1) For the four monitoring periods of 2009 the Long Marine Lab discharge was in full compliance in all aspects of the permit. No corrective actions are indicated. 2) The name of the laboratory that we used to analyze discharge samples taken by our own staff is Soil Control Lab, a division of Control Laboratories Inc., 42 Hangar Way, Watsonville, California 95076.

Respectfully submitted,

Stephen L. Davenport  
Assistant Director

Cc: Stephen Thorsett, Dean  
UCSC Physical and Biological Sciences

Churchill Grimes, Director  
Santa Cruz Laboratory  
NOAA Fisheries

David Jessup, Director  
Marine Wildlife Center  
Calif. Dept. Fish and Game

	LONG MARINE LABORATORY				
	ANNUAL DISCHARGE REPORT SUMMARY 2009				
	FIRST QUARTER	SECOND QUARTER	THIRD QUARTER	FOURTH QUARTER	
<b>Effluent Analysis</b>					
Grab Samples					
Temperature (degrees C)	13.5	18.0	14.0	15.0	
Settleable Solids (mg/L)	1.2	0.3	ND	ND	
pH Value (units)	7.8	8.2	7.9	7.8	
Composite Samples					
Total Suspended Solids (mg/L)	ND	4.8	ND	ND	
Turbidity (NTU)	0.78	2.3	1.0	1.2	
Grease & Oil (mg/L)		ND		ND	
<b>Influent Analysis</b>					
Grab Samples					
Temperature (degrees C)	13.5	17.5	14.0	14.0	
pH Value (units)	8.0	8.3	7.9	7.8	
Composite Samples					
Total Suspended Solids (mg/L)	3.0	5.7	ND	3.2	
Turbidity (NTU)	1.9	2.4	1.8	2.4	

Appendix B  
Annual Mitigation Monitoring Report

# UC Santa Cruz Marine Science Campus CLRDP EIR 2009 Annual Mitigation Monitoring Report

## *Introduction*

The California Environmental Quality Act (CEQA) requires that a Lead Agency establish a program to monitor or report on mitigation measures adopted as part of the environmental review process to avoid or reduce the severity and magnitude of potentially significant environmental impacts associated with project implementation. CEQA (Public Resources Code Section 21081.6 (a) (1)) requires that a mitigation monitoring or reporting program be adopted at the time that the agency determines to carry out a project for which an EIR has been prepared to ensure that mitigation measures identified in the EIR are implemented.

The Regents of the University of California (The Regents) approved the Coastal Long Range Development Plan (CLRDP) for the UC Santa Cruz Marine Science Campus and certified the Environmental Impact Report (EIR) in September 2004; a Mitigation Monitoring Program (MMP) for the CLRDP EIR was adopted at the same time. The CLRDP MMP, which is presented in Table 5-1 of the Final EIR, describes monitoring and reporting procedures, monitoring responsibilities, and monitoring schedules for mitigation measures identified in the EIR analysis of the environmental effects of the CLRDP, as well as the measures included in the CLRDP to avoid or minimize environmental effects. Table 5-1 is divided into two sections: Part A describes procedures for the EIR mitigation measures; Part B covers the CLRDP measures.

The MMP includes the following components:

**Mitigation Measures:** The mitigation measures in the MMP are taken verbatim from the Final EIR, and the numbers assigned the mitigation measures are the same as those presented in the Final EIR.

**CLRDP Measures:** Individual CLRDP policies and implementation measures in the MMP are taken verbatim from the CLRDP, and the numbers assigned the mitigation measures are the same as those presented in the CLRDP. Other CLRDP measures in the MMP, such as the Drainage Concept Plan, Resource Management Plan, and the Design Guidelines, are summarized.<sup>1</sup>

**General versus Project-Specific Measures:** Specifies whether the mitigation measure or CLRDP element is a general Campus measure, which is implemented by the Campus on an ongoing basis, or a Project-Specific measure, which is triggered by and implemented in conjunction with the development of individual projects.

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<sup>1</sup> After The Regents certified the CLRDP EIR, approved the September 2004 draft of the CLRDP and adopted the MMP, minor changes were made to the text and numbering of some of the CLRDP measures included in the MMP. The title of Appendix B to the CLRDP, "Stormwater Concept Plan," was also changed to "Drainage Concept Plan." The Regents approved the final CLRDP, including these changes, in December 2008. In this Annual Report, the text and numbering of the CLRDP measures are consistent with the December 2008 final CLRDP and therefore may differ from the MMP as presented in the Final EIR.

**Mitigation Timing:** Identifies the timing for implementation of each action.

**Monitoring and Reporting Responsibility:** Identifies the UCSC office responsible for undertaking the required action and monitoring the measure.

As indicated above, the measures included in the MMP are divided into two categories: *general campus measures*, which are implemented by the campus on an ongoing basis, and *project-specific measures*, which are implemented in conjunction with the development of individual campus construction projects. Examples of general campus mitigation measures are: 1) public access policies, and 2) the Campus' transportation demand management (TDM) program, which is designed to reduce the number of vehicle trips to the campus. Examples of project-specific mitigation measures are: 1) the protection of specific biotic resources or cultural resources during construction of a building, and 2) siting and design parameters for new development. The mitigation monitoring program for a development project may include both project-specific measures identified in the CLRDP EIR, and mitigation measures identified in the project-level CEQA document, which apply only to that project.

### ***Monitoring and Reporting Procedures***

The responsibilities of mitigation implementation, monitoring and reporting extend to numerous UC Santa Cruz departments and offices. The unit director or department lead officer of the identified unit or department is directly responsible for ensuring that the responsible party complies with the mitigation. Physical Planning and Construction is responsible for the overall administration of the program and for assisting other campus staff with their responsibilities, to ensure that they understand their charge and implement the required measures accurately, completely, and on schedule.

In addition to overseeing the specific procedures identified in the following table for implementation of each mitigation measure, Physical Planning and Construction is responsible for preparing this Annual Mitigation Monitoring Report. The purpose of the Annual Mitigation Monitoring Report is to report on progress of implementation of general campus mitigation measures (that is, those measures that are not tied to specific development projects) and, for each project under development during the preceding period, to identify applicable mitigation measures and document the status of compliance for each project. The Annual Mitigation Monitoring Report is available for review by appointment at the office of Physical Planning and Construction on campus, is posted on the Campus' LRDP website (<http://lrpd.ucsc.edu/>), and is submitted to the Executive Director of the California Coastal Commission as part of the CLRDP Annual Report.

For each general campus measure, a representative of the responsible campus unit provides an annual status report to Physical Planning and Construction staff. For each project, a checklist is prepared for all CLRDP EIR and project-level mitigations applicable to the project. Reporting on the status of project-specific mitigations is the responsibility of each project manager, who updates the checklist on a quarterly basis.

The annual report also provides a description of activity undertaken by each responsible department relative to each mitigation measure and, if applicable, links to detailed reports or other supporting documentation of mitigation activity.

## ***Summary of 2009 Mitigation Activities***

### **General Campus Mitigation Measures**

Table 1, *Status of General Campus Measures*, lists all of the general campus measures and their status for the 2009 reporting year (January through December, 2009).

### **Project Mitigation Monitoring**

In 2009, the Campus submitted a Notice of Impending Development (NOID) to the California Coastal Commission for one project: NOID 09-1, Outdoor Research Yard Expansion and Public Access Improvements. The University determined that this project is categorically exempt from CEQA. No EIR mitigations apply to this project.

Compliance with applicable CLRDP measures is documented in the Project Report submitted to the California Coastal Commission and is summarized in Section 2 of the CLRDP Annual Report.



UC Santa Cruz Coastal Long Range Development Plan  
 2009 Annual Mitigation Monitoring Report  
 Table 1: Status of General Campus Measures

Mitigation/ Implementation Measure ID	Mitigation/Implementation Measure Description	Procedures and Timing	Notes	2009 Status
Mitigation 4.2-1	Install landscaped fence along Younger Ranch property line.	Install fence and landscaping. Prior to ground-breaking of any CLRDP project components, document that fence and landscaping have been installed prior to construction.	--	Not triggered. No projects that would increase the population at the Marine Science Campus have been approved under the CLRDP.
Mitigation 4.15-1	Contribute fair share towards cost of improvements to Mission/Bay intersection	During project-level environmental review, analyze number of peak hour trips added to this intersection by the project. When City and/or Caltrans proposes improvement at this intersection: Negotiate with City and Caltrans to determine an appropriate fair share contribution towards necessary road improvements.	Per 2008 Comprehensive Settlement Agreement, UCSC share of the cost of City intersection improvements will be paid on a project-by-project basis based on the number of trips projected to be generated by each project.	Not triggered. No trip-generating projects have been approved under the CLRDP.
Mitigation 4.15-2	Contributed fair share towards construction of Delaware Ave. pedestrian path.	Prior to occupancy of first project: Negotiate with City to determine an appropriate fair share contribution towards necessary road improvements.	--	Not triggered. No trip-generating projects have been approved under the CLRDP.
Mitigation 4.15-4	Contribute fair share to improvements at Mission/Chestnut intersection	During project-level environmental review, analyze number of peak hour trips added to this intersection by the project. When City and/or Caltrans proposes improvement at this intersection: Negotiate with City and Caltrans to determine an appropriate fair share contribution towards necessary road improvements.	Per 2008 Comprehensive Settlement Agreement, UCSC share of the cost of City intersection improvements will be paid on a project-by-project basis based on the number of trips projected to be generated by each project.	Not triggered. No trip-generating projects have been approved under the CLRDP.

UC Santa Cruz Coastal Long Range Development Plan  
 2009 Annual Mitigation Monitoring Report  
 Table 1: Status of General Campus Measures

Mitigation/ Implementation Measure ID	Mitigation/Implementation Measure Description	Procedures and Timing	Notes	2009 Status
Mitigation 4.15-6	Contribute fair share to improvements at High/Western, Empire Grade/Heller, SR1/SR intersections	During project-level environmental review, analyze number of peak hour trips added to these intersections by each project. When appropriate jurisdiction proposes improvements at the affected intersection: Negotiate with appropriate jurisdiction to determine an appropriate fair share contribution towards necessary road improvements.	Per 2008 Comprehensive Settlement Agreement, UCSC share of the cost of City intersection improvements will be paid on a project-by-project basis based on the number of trips projected to be generated by each project.	Not triggered. No trip-generating projects have been approved under the CLRDP.
Mitigation 4.16-1b	Compliance with City water demand reduction policies	Following the adoption of pertinent policies by the City of Santa Cruz. Procedure to be determined, based on City policy.	Note: Per 2008 Comprehensive Settlement Agreement, if City implements its 2009 Drought Contingency Plan, University will reduce water consumption in accordance with that plan.	In 2009, the City implemented Stage 2 water restrictions, which targeted 15% reduction in peak-season (May-Oct.) water use for UCSC. UCSC as a whole reduced its consumption by 27%, which exceeded this goal.
IM 3.8.2	Agricultural hold-harmless and indemnity restrictions	Before construction of facilities located north of existing NMFS facility: Initiate negotiations with owners of Younger Ranch to enter into agreement.	--	Not triggered. No development north of existing NMFS facility has been approved and none is currently planned.
General-RMP	Implement RMP	As specified in Table 13 of the Resource Management Plan: Implement monitoring procedures specified in Tables 1, 4, 5, 6, 7, 8, 11, and 12 of the Resource Management Plan. Document results and include documentation in annual mitigation monitoring report.	--	See CLRDP Annual Report for status of RMP.

UC Santa Cruz Coastal Long Range Development Plan  
 2009 Annual Mitigation Monitoring Report  
 Table 1: Status of General Campus Measures

Mitigation/ Implementation Measure ID	Mitigation/Implementation Measure Description	Procedures and Timing	Notes	2009 Status
IM 3.5.1	Protection and enhancement of YLR habitats.	Implement Resource Management Plan (see above for procedures). Implement Drainage Concept Plan (see Hydrology and Water Quality, below, for procedures). Control and remove weeds, plant native plants	--	See CLRDP Annual Report for status of RMP.
IM 3.5.2	Protection of special status species in YLR.	Implement Resource Management Plan (see above for procedures). Implement EIR Mitigations PS 4.4.1, PS 4.4.2 and PS 4.4.3 (see Table 5-1, Part A)	--	See CLRDP Annual Report for status of RMP.
IM 3.6.1	Provision of controlled access within YLR.	See IM 6.2.1 under Recreation, below. No additional procedures required.	--	NA
IM 3.10.1	EH&S manage use, containment and cleanup of hazardous materials and petroleum	Ongoing: For UC entities, continue to implement UCSC Environmental Health and Safety programs involving oversight of individual units' compliance efforts and advising on improvements in procedures related to storage, disposal, and transportation of hazardous substances. Annually: Document activity of relevant Environmental Health and Safety programs. For non-UC entities, see EIR Mitigation PS 4.7-1 (see Table 5-1, Part A)	--	UCSC EH&S provides guidelines, consultation and oversight to ensure hazardous materials are stored, transported and disposed in accordance with federal and state regulations. Personnel are trained to call EH&S for assistance if there is a large spill of hazardous materials or if they are not equipped to clean up a small spill safely. Spill emergency instructions are posted in areas where hazardous materials are stored or used. (Source: Dan Blunk, EH&S)

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Mitigation/ Implementation Measure ID	Mitigation/Implementation Measure Description	Procedures and Timing	Notes	2009 Status
Drainage Concept Plan- General	Implement BMPS in Drainage Concept Plan	Annually: Document implementation of best management practices.	--	No projects with new impervious surface have been constructed so no treatment BMPs are in place. The campus implements source control BMPs on an ongoing basis. See CLRDP Annual Report for details.
Water Quality Monitoring	Sample stormwater as specified in Drainage Concept Plan	As specified in the Drainage Concept Plan. (procedures and timing in the MMP are from the Draft CLRDP and no longer apply)	--	Not triggered. Storm water sampling will be required after treatment BMPs have been installed.
Maintain stormwater system	Maintain storm water system as specified in Drainage Concept Plan	As specified in the Drainage Concept Plan. (procedures and timing in the Final EIR are from the Draft CLRDP and no longer apply)	--	Not triggered. No development projects have been constructed under the CLRDP.
IM 7.1.8	Irrigation and use of chemicals for landscaping.	Before occupancy of first project developed under the CLRDP: Establish policies for irrigation and use of chemicals in landscaping to minimize erosion potential and runoff into habitat areas or the ocean.	--	No project with new landscaping has been approved under the CLRDP. The Campus currently uses pesticides only within the concect of an Integrated Pest Management Program to limit the use of chemicals for fertilizer and/or weed and pest control to the maximum extent possible. (Source: Dean Raven, Physical Plant)
IM 7.2.1	Drainage system monitoring and maintenance.	After major storm events, during occupancy: Conduct and document inspections.	--	Not triggered. No treatment BMPs are in place.
IM 6.1.1	Free public access for visitors.	Annually, following approval of the CLRDP: Document consistency of procedures with Policy 6.1.	--	Access to the Marine Science Campus is free for visitors. A fee is charged for access to the Seymour Center.

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IM 6.1.4	Public access overlooks.	Construct overlooks per schedule in CLRDP Chapter 9. Annually, document status.	--	See CLRDP Annual Report, Section 7.1.
IM 6.1.5	Docent-led tours and education programs for the public.	Annually: Document continued educational programs and docent-led tours.	--	Supervised site tours of parts of Long Marine Lab, as well as the Seymour Center exhibits halls and outdoor areas are offered three times a day on the days when the Seymour Center is open. Tours of marine mammal research areas are offered twice a month. The Seymour Center also offers a variety of field trips for K-12 and community college groups.
IM 6.2.3	Access to resource protection areas.	Annually: Document access policies and procedures. Ongoing: Enforce access policies.	--	In November 2009, the University submitted a Notice of Intent to Submit a Notice of Impending Development for a plan to allow controlled public access to the Younger Lagoon Reserve. Access to other resource protection areas is not controlled at this time.
IM 6.2.8	Bicycles on the Marine Science Campus.	Annually: Document access policies and procedures.	--	Consistent with this requirement, bicycles are allowed on the Marine Science Campus except on <u>controlled access trails</u> .
IM 6.2.9	Domestic pets.	Include prohibition on pets in lease agreement for on-site housing. Within one year of approval of CLRDP: Use signs and other media to inform public that pets are not permitted on the campus.	--	No new accommodations have been constructed under the CLRDP. Reserve and LML staff are working with the UCSC Police Department to prepare for implementing a no-pet policy.

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<b>Mitigation/ Implementation Measure ID</b>	<b>Mitigation/Implementation Measure Description</b>	<b>Procedures and Timing</b>	<b>Notes</b>	<b>2009 Status</b>
IM 6.2.10	Public access signage.	As new trails are developed: Maintain existing signs and provide new signage and other media. Document their content and distribution.	--	No new trails have been developed since the CLRDP was certified.
General-TDM	Implement Transportation Demand Management (TDM) measures as detailed in Policies 5.3 through 5.8.	Annually: Document implementation of TDM measures	--	See CLRDP Annual Report for status of TDM measures.
IM 8.2.2	Seawater system.	The seawater system shall be operated in a manner that will protect against spillage and that will sustain the biological productivity and quality of coastal waters, streams, and wetlands.	--	The seawater system was operated in compliance with NPDES permit requirements. See CLRDP Annual Report, Appendix A, Water Quality Report, for documentation of compliance with permit requirements.