



## ***Instructionally Related Activities Report Form***

SPONSOR: CLARE WORMALD STEELE

DEPARTMENT: ESRM

ACTIVITY TITLE: CONSERVATION BIOLOGY FIELD TRIP TO SRI

DATE (S) OF ACTIVITY: OCTOBER 9<sup>TH</sup> – 12<sup>TH</sup>, 2015

Please submit via email to the IRA Coordinator along with any supporting documentation at [david.daniels@csuci.edu](mailto:david.daniels@csuci.edu) within 30 days after the activity. Thank you for your commitment to engaging our students!

### **A. ADDRESS THE FOLLOWING QUESTIONS:**

- (1) PROVIDE A DESCRIPTION OF THE ACTIVITY;
  - (2) HOW DID THE ACTIVITY RELATE TO A COURSE(S) AND/OR LEARNING OBJECTIVES?
  - (3) WHAT DO YOU SEE AS THE STRENGTHS OF THE ACTIVITY?
  - (4) WHAT WOULD YOU SAY ARE/WERE THE ACTIVITY'S WEAKNESSES?
  - (5) HOW WOULD YOU IMPROVE THIS ACTIVITY FOR NEXT TIME?
  - (6) WHAT DID YOU LEARN FROM THE PROCESS?
  - (7) WHAT ARE STUDENT RESPONSES TO THE ACTIVITY? ATTACH STUDENT EVALUATIONS OR ASSESSMENTS (IN ACCORDANCE WITH FERPA RESTRICTIONS YOU MUST REMOVE ALL PERSONALLY IDENTIFIABLE STUDENT INFORMATION)
  - 8) GIVE A SUMMARY OF EXPENSES FOR THE ACTIVITY.
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### **B. ATTENDEE LIST- SUPPORTING DOCUMENT:**

In addition to the report form, *in a separate document*, attach to your email a list of attendees complete with each student major and grade level. This for IRA Committee reference only and will not be published on the IRA website. Include your name and the title of your IRA activity on the document.

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### **C. IMAGES FROM ACTIVITY:**

Finally, attach to your email up to 6 images demonstrating student participation (under 2 MB total) with captions/titles. Please attach these photos in .JPEG format directly to email. Thank you!



**(1) PROVIDE A DESCRIPTION OF THE ACTIVITY:**

STUDENTS ENROLLED IN CONSERVATION BIOLOGY (BIO/ESRM 313) PARTICIPATED IN A 4 DAY, 3 NIGHT VISIT TO SANTA ROSA ISLAND UNDERGRADUATE RESEARCH STATION. STUDENTS PARTICIPATED IN ONGOING MONITORING AND RESEARCH INTO SANDY BEACHES AND INTERTIDAL COMMUNITIES THAT CONTRIBUTED TO INCREASING OUR UNDERSTANDING OF THIS FREQUENTLY UNDERVALUED ECOSYSTEM. THE VISIT TO THE ISLAND PROVIDED MANY OPPORTUNITIES FOR LEARNING AND DISCUSSION OF CONSERVATION AND ECOLOGICAL PRINCIPLES

**(2) HOW DID THE ACTIVITY RELATE TO A COURSE(S) AND/OR LEARNING OBJECTIVES?**

SANTA ROSA ISLAND PROVIDES AN AMAZING LIVING CLASSROOM TO EXPLORE MANY OF THE PRINCIPLES OF CONSERVATION BIOLOGY. THE ISLAND PROVIDES UNPARALLED ILLUSTRATIONS OF MANY OF THE TOPICS THAT WE LEARNED ABOUT THROUGHOUT THE SEMESTER, AND STUDENT UNDERSTANDING OF THE MATERIAL WAS GREATLY ENHANCED BY SEEING THESE PRINCIPLES 'IN ACTION'. DISCUSSIONS AND FIELD EXERCISES THAT CONDUCTED DURING OUR VISIT TO THE RESEARCH STATION ALIGNED WITH MANY OF OUR EXISTING CLASS MODULES, INCLUDING THE FOLLOWING: BIODIVERSITY; LANDSCAPE ECOLOGY; ISLAND BIOGEOGRAPHY; INVASIVE SPECIES; PROTECTED AREAS AND MPAS; MONITORING AND MITIGATION; SPECIES AND ECOSYSTEM MANAGEMENT.

**(3) WHAT DO YOU SEE AS THE STRENGTHS OF THE ACTIVITY?**

THE ISLAND VISIT PROVIDED INCREDIBLE OPPORTUNITIES FOR EXPERIENTIAL LEARNING. PARTICULARLY APPLICABLE TO THIS COURSE IS THE ANCIENT AND MODERN LAND-USE IMPACTS AND CONSERVATION HISTORY OF THE CHUMASH, RANCHING AND NPS PERIODS. ACCESS TO A VARIETY OF ECOSYSTEMS IN A RELATIVELY SMALL AREA ENABLES A VARIETY OF LEARNING & RESEARCH OPPORTUNITIES. DIALOGUE WITH RESEARCHERS AND PARKS PERSONNEL ON ISLAND WERE ESPECIALLY ENRICHING.

**(4) WHAT WOULD YOU SAY ARE/WERE THE ACTIVITY'S WEAKNESSES?**

SCHEDULING IS CONSTRAINED BY AVAILABILITY AND TIMING OF ISLAND PACKERS TRANSPORTATION TO THE ISLAND. MORE FREQUENT SERVICE WOULD BENEFIT PARTICIPANTS. ON-ISLAND TRAVEL IS LIMITED BY WALKING DISTANCE TO SITES, THUS OPPORTUNITY TO EXPLORE MORE DISTANT SITES IS LIMITED.

**(5) HOW WOULD YOU IMPROVE THIS ACTIVITY FOR NEXT TIME?**

I PLAN TO COORDINATE ADDITIONAL RESEARCH ACTIVITIES WITH DR. HANNA TO CONTRIBUTE TO MONITORING OF ADDITIONAL ISLAND ECOSYSTEMS. PLAN TO SET ASIDE TIME FOR INDEPENDENT OBSERVATION AND INQUIRY.



(6) WHAT DID YOU LEARN FROM THE PROCESS?

IMMERSION IN THIS LEARNING ENVIRONMENT ENCOURAGES STUDENTS TO MAKE CONNECTIONS BETWEEN CONSERVATION TOPICS DISCUSSED IN THE CLASSROOM AND TO UNDERSTAND REAL-WORLD IMPLICATIONS FOR CONSERVATION AND MANAGEMENT IN CALIFORNIA ISLAND ECOSYSTEMS. ACTIVITIES ON THIS TRIP THAT WERE PARTICULARLY BENEFICIAL INVOLVED PEER-MENTORING ACTIVITIES THAT PROVIDED RESEARCH EXPERIENCE, AND AN INCREASED DEGREE OF INDEPENDENT INQUIRY.

(7) WHAT ARE STUDENT RESPONSES TO THE ACTIVITY? ATTACH STUDENT EVALUATIONS OR ASSESSMENTS (IN ACCORDANCE WITH FERPA RESTRICTIONS YOU MUST REMOVE ALL PERSONALLY IDENTIFIABLE STUDENT INFORMATION)

“SANTA ROSA ISLAND NEVER FAILS TO PROVIDE AN INCREDIBLE LEARNING EXPERIENCE & WEEKEND COMMUNE. HIGHLIGHTS OF THE TRIP WERE BLACK MOUNTAIN LICHENIZING, BIRDING IN THE RANCH AND BEACH CLEANUPS AT ARLINGTON BEACH.”

“FIRST TIME ON THE ISLAND I HAVE SOME DOUBTS OF HOW MUCH FUN I WAS GOING TO HAVE, BUT AFTER GETTING OFF THE PIER AND MAKING OUR WAY TO THE RESEACH STATION, I REALIZED HOW WRONG I WAS. BEING HERE THIS WEEKEND AND DISCONNECTING FROM TECHNOLOGY WAS AMAZING, SWIMMING IN THE OCEAN AND HIKING BLACK MOUNTAIN WAS GREAT. EASILY ONE OF THE BEST WEEKENDS IN MY LIFE”

“THIS WAS MY FIRST TIME ON THE ISLAND AND SO FAR IT HAS BEEN ONE OF THE MOST AMAZING TRIPS IVE EVER HAD. THE FIRST DAY WAS AWESOME BECAUSE MY CLASS LOOKED AT INFAUNA ON THE BEACH. WE DID THE SAME THE NEXT DAY. WE FOUND A LOT OF IN TERESTING CRITTERS BUT MY FAVORITE FINDING WAS A SEA HARE BECAUSE IT WAS FAT AND SQUISHY... I AM LEAVING THE ISLAND WITH A NEW OUTLOOK ON WILDLIFE AND WITH THE KNOWLEDGE THAT I AM MORE POWERFUL AND STRONG THAN I CAN IMAGINE. I MAY BE LEAVING WITH A FEW MORE BLISTERS THAN I EXPECTED, BUT IT WAS ALL WORTH IT.

“CAME OUT THIS WEEKEND FOR MY CAPSTONE PROJECT WITH THE CONS BIO CLASS AND HAD AN AMAZING TIME. SURVEYED FOUR AMAZING BEACHES: ARLINGTON, SANDY POINT, CLUSTER POINT & SKUNK POINT & REMOVED A LOT OF MARINE DEBRIS IN THE PROCESS. THIS WEEKEND WAS TOUGH BUT SO WORTH IT. IT WOULDN'T HAVE BEEN POSSIBLE WITHOUT THE HELP FROM CAUSE, CLARE & OTHER CONS BIO STUDENTS THAT CAME ALONG ON THE MISSION TO REMOVE MARINE DEBRIS. EXCITED TO COME BACK!”

“12/OCTOBER/15 ALSO MY FIRST TIME ON SANTA ROSA ISLAND. IT WAS ONE OF THE BEST EXPERIENCES I'VE EVER HAD. I LOVED THE FEELING OF BEING ON ISLAND TIME AND NOT HAVING THE CONSTANT CELL PHONE DISTRACTION. ITA WAS AMAZING TO GET TO KNOW PEOPLE ON A COMPLETELY DIFFERENT LEVEL OUTSIDE OF CLASS. I LOVED HIKING BLACKROCK MOUNTAIN AND BIRDING UP THERE”



**INSTRUCTIONALLY  
RELATED  
ACTIVITIES**

C H A N N E L  
I S L A N D S

8) GIVE A SUMMARY OF EXPENSES FOR THE ACTIVITY.

GRANT PROVIDED TRANSPORTATION EXPENSES TO SANTA ROSA ISLAND FOR 16 STUDENTS & 1 FACULTY.

B. ON SEPARATE DOCUMENT, PLEASE ATTACH ATTENDEE LIST (PERSONALLY IDENTIFIABLE INFO REMOVED)

SEE ATTACHED

C. PLEASE INCLUDE UP TO 6 IMAGES AS ATTACHMENTS TO YOUR EMAIL SUBMISSION

SEE ATTACHED

Participant list SRI trip 10/09-10/12/2016

Clare Wormald Steele  
Rebecca Smith-Gridley  
Lila Marcial  
Dorothy Horn  
Pedro Santos  
Angie Frost  
Holly Galbreath  
Sophia Pfeil  
Tyler Fuller  
Zack Buckley  
Alex Ceja  
Daniel Glassman  
Sean Clark  
Rhakia Alcaarez  
Ashley Sujarta  
Patrick Costa  
Dylan Fadich

