



<http://www.csuci.edu/ira/index.htm>

Application
Instructionally Related Activities Funds Request
2010-2011 Academic Year
DEADLINE: Fall and Academic Year 3/31/10
Spring TBD

Applications must first be sent to the appropriate program chair. Chairs will then recommend and route them to the Dean's Office for review and authorization. The Dean's Office will then forward them to the IRA Committee for consideration.

Activity Title: Habitat Choice in Hawaii's Humpback whales
An interdisciplinary field based research and service learning opportunity.

Project Sponsor/Staff (Name/Phone): Rachel Cartwright 805 437 2635
 Blake Gillespie 805 437 2404

Activity/Event Date(s): March 19th – 26th 2011

Date Funding Needed By: Spring 2011

****Please Note that for Fall Requests the earliest that you will be notified of funding availability will be early June 2010 and for Spring Requests early January 2011.**

Please check if any of the following apply to your IRA:

- | | |
|--|---|
| <input checked="" type="checkbox"/> Equipment Purchase | <input checked="" type="checkbox"/> Field Trip |
| <input type="checkbox"/> Event | <input type="checkbox"/> Participant data collection for public dissemination, i.e. interviews/surveys that result is a journal/poster session/newsletter |
| <input type="checkbox"/> IT Requirements | <input type="checkbox"/> Risk Management Consultation |
| <input type="checkbox"/> International Travel | <input type="checkbox"/> Late Submission |
| <input type="checkbox"/> Space/OPC Requirements | |
| <input type="checkbox"/> Infrastructure/Remodel | |
| <input type="checkbox"/> Other _____ | |

Previously Funded: XYES ☐NO Yes, Request # 3 – previous trips ran in 2009 and 2010.

Does your proposal require IRB (Institutional Review Board) approval: No

Assessment submitted for previously Funded Activity: ☐YES

Academic Program or Center Name and Budget Code: Biology / chemistry

Date of Submission: October 2010

Amount Requested:

Estimated Number of Students Participating: 9

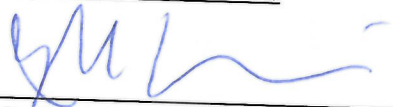
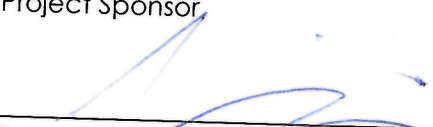

Application
Instructionally Related Activities Funds Request
2010-2011 Academic Year

Requirements and Signatures

Please provide the following in your application:

1. **Brief Activity Description.** Describe the activity and its relationship to the educational objectives of the students' program or major.
2. **Relation to IRA to Course Offerings.** All IRAs must be integrally related to the formal instructional offerings of the University and must be associated with scheduled credit courses. Please list all classes that relate to the program proposed.
3. **Activity Assessment.** Describe the assessment process and measures that the program will use to determine if it has attained its educational goals. **Please note a report will be due at the end of the semester.**
4. **Activity Budget.** Please enclose a complete detailed budget of the entire Activity **bold** specific items of requested IRA funding. (Page 4)
5. **Sources of Activity Support.** Please list the other sources of funding, and additional support for the activity.
7. **Acknowledgment.** Project Sponsor and Program Chair acknowledge that they have reviewed and accepted the Conditions and Considerations detailed on page 2.

Signatures and Dates

 _____ Project Sponsor	10/28/10 _____ Date
 _____ Program Chair/Director	10/28/10 _____ Date
 _____ Dean of the Faculty	11/03/10 _____ Date

The Research and Student Capstone Projects

In previous years, students have researched and produced synopses on a wide variety of management issue impacting this region, from outreach activities to underwater noise. Many of the participating students have subsequently chosen to continue these studies, incorporating their work into capstone and other independent research projects. We see this as one of the most valuable outcomes of the course, as students voluntarily pursue their own original interests, alongside the contribution that they make to the larger research effort. This year, we will again encourage students to develop their own areas of interest, and to actively research these areas during their time on the island. On completion of the trip, students will be invited to present these studies on the Keiki Kohola Project website (www.caringforcalves.org) and to include these studies in their end of year research presentations at the Sage Research Forum.

Student-centered Improvements in the Course

In response to student feedback from previous years, we plan to include several cultural experiences as part of the trip: students will take a hike through the rainforest to a waterfall. A local guide will lead the trip, and give the students an overview of Maui's biogeography, plant and animal life. Guided visits to a number of cultural sites around the island will develop the human dimension of the project, highlighting the relationship of Hawaiian native culture to the ocean, and the impact of western culture on native traditions. The traditional Hawaiian Luau we attended last year was very popular with the students, and provides an interesting counterpoint to the students' 'local' experience. These activities are crucial; research must have a context to be meaningful and we are as dedicated to showing the students *why* we do research as much as *how*.

Taken together, these activities will ensure that their experience is well rounded and reaches beyond their own immediate disciplines and interests. This year we are particularly keen to encourage students from the arts program and English majors to participate in the course. Several inquiries from students in these majors have already been received. We plan to augment this by advertising the trip across the university, to ensure that all interested students have the opportunity to apply.

2. Relation of IRA to existing course offerings

Students who participate in the course will:

- Design experiments to test scientific hypotheses, collate data, conduct statistical analyses and evaluate research outcomes.
- Gain first-hand experience in problem solving – always a component of field research which involves animals in their natural setting.
- Identify topic appropriate research materials, synthesize information from a variety of sources and gain experience in effective communication of results in a variety of media.
- Develop communication skills and the ability to work as an effective team member in a diverse cultural setting
- Use analytic and data collection equipment in situ.
- Work as part of federally permitted research team, and contribute to ongoing efforts for the conservation of a federally listed, endangered species.

Accommodation 7 nights

(Accommodation will be in two adjoining self catering duplexes)

Total accommodation: 5000

Transport – SUV for 8 days + airport shuttles 800

Food (all self catering – budget \$100 per person) 1100

Research activities:

Additional Vessel hire 4 days 2000

(The Keiki Kohola Project has a small research vessel, which would be used in the project, however a second vessel would be required (see Attachment 2 for further details / explanation)

Insurance *(additional liability insurance to cover students on research boat)* 2500

Vessel running costs (Captains stipends, boat fuel, dock fees) 4500
(On boat days when two vessels are out on the water, we will require two licensed captains - total 10 boat days – 250 per day is a typical stipend for captains)

Equipment required – SRL camera and lens 1650
(As students will be on two different boats, an additional camera will be required. It needs to be sufficient to operate at high shutter speeds, we need to obtain a high resolution image and we need a long lens (300m). Previously, we have used loan cameras from the library, however these are not compatible with the research software and also they do not meet the required performance standards outlined).

Context-building activities
speaker fees, guide costs, luau costs 2000

Commercial whale watching trips 450

Total: 28,710

(Student contribution estimated as \$500 each) (4,500)

Total requested from the IRA 24,210

5. Sources of additional support.

The Keiki Kohola project will provide access to its research vessel, logistic support and most of the field equipment required by the students.

2. Revenue

A. Course Fees	4500
B. Ticket Sales	
C. Out of Pocket Student Fees (exclusive of course fees)	
D. Additional Sources of Funding	<u>Additional support from local non profit, Field Equipment to be supplied by Chemistry dept</u>
E. Requested Allocation from IRA	
 Total Revenue	 24,210

Attachment 1 – Appendix

Habitat Choice in Hawaii's humpback whales – Proposed research for Spring '11.

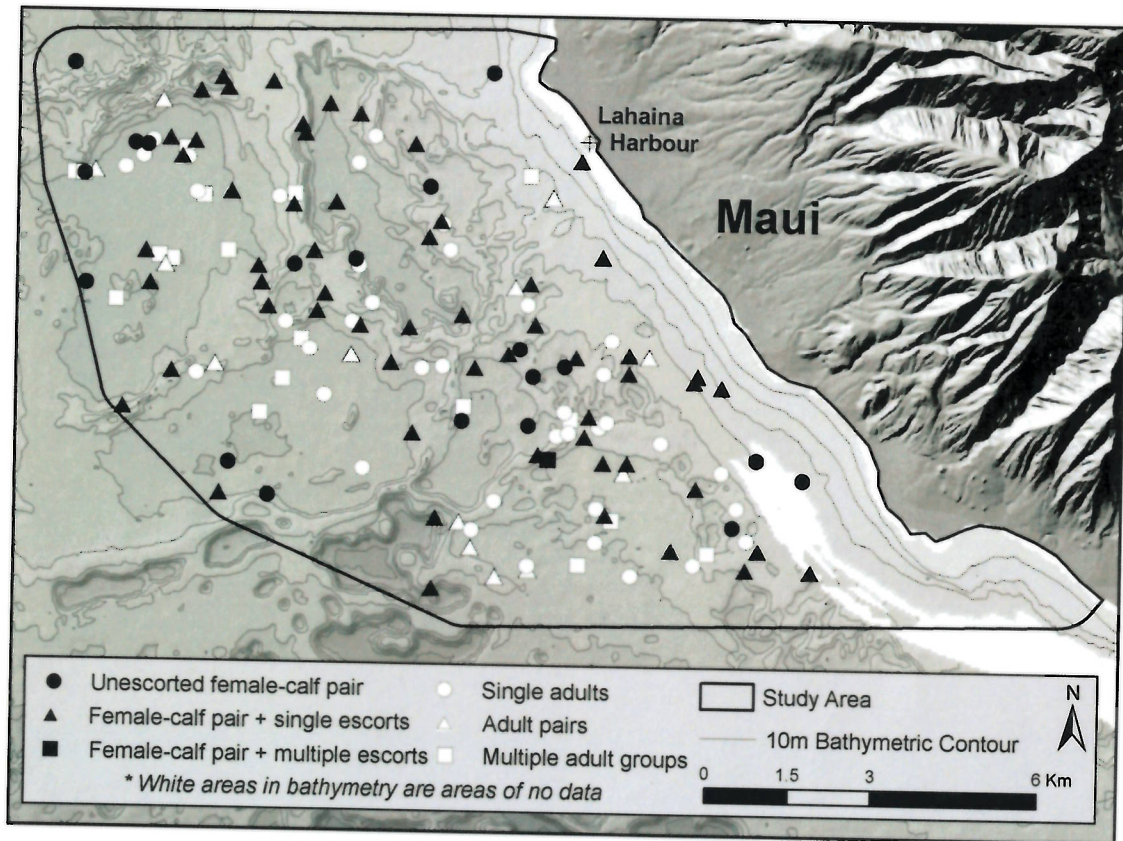
We are pleased to inform the IRA committee that results from the first two years of this project are currently in review for publication. As mentioned in our outline, the results are compelling and demonstrate a clear response to vessel traffic by female-calf humpback whales that use this area as a key breeding ground. We attach the abstract and key figures below.

For the students involved over the last two trips, the experience of seeing their work translated into a published research study that directly addresses a key management issue in this region is certainly noteworthy. Beyond this, the study will establish the presence of CSUCI within the marine mammal research community, but perhaps most importantly, this study will make a real and tangible contribution to the conservation of humpback whales in this region, by providing accurate and up to date information that is directly applicable to the management of this critical region.

Experience gained in the previous years of operation allow us to continue to develop this field experience; undoubtedly students responded very positively to the inclusion of additional cultural activities and we intend to build this portion of the field trip. Students also continue to request more focused instruction before the trip. Pre -trip student activities this year will therefore focus on the research protocols that they will be using while in the field, so that they are fully equipped with the pre-requisite skills. While this request perhaps reflects the diverse backgrounds of students applying for the trip, we feel that this accessibility for students with little or no field experience is one of the trips strengths.

Please find attached the abstract for our manuscript. Note, Kevin Eden is a student author who participated in the trip in Spring 10.

Figure 5: Distribution of humpback whales along the eastern shoreline of the Au'au Channel.



APPROVED FOR PAYMENT
 BY [Signature]
 DATE 10/21/11
 ACCT 606002 TK910 827 90320
 CONTRACT/PO 10217
☐ PARTIAL PAYMENT
☒ PAYMENT IN FULL \$4805.63



The Maui Mandalay

Invoice

Guest: Ms. Rachel Cartwright / CA State University Channel Islands
Address: 1 University Drive Camarillo, CA 93012
Telephone: 805/ 982-0638 (Ms. Cartwright, cell)
E-mail Address: rachel.cartwright@csuci.edu

Reservation Information:

Arrival: March 19, 2011
 Departure: March 27, 2011
 No. of Nights: 7
 Rate: \$545 per night

Date: 01/20/11

Description	Rate	Cost
Subtotal for 7 Nights:	\$545.00	\$3,815.00
Hawaii State Tax	4.166%	\$158.93
Accommodations Tax	9.251%	\$352.93
Processing Fee:		\$93.77
Cleaning Charges:	\$385	\$385.00
TOTAL		\$4,805.63
Full Payment (Due: 01/19/11)		\$4,805.63

236 West Portal Ave. No. 521
 San Francisco, CA 94127
 tel: 415/ 742-0678
 fax: 415/ 682-4011

Note: Kindly forward the signed contract within 24 hours in order to secure the reservation.

Cancellation Policy: Please note that this is a privately owned and operated vacation rental that depends on early cancellations. Please review the guest application for the cancellation policy. We highly recommend travel insurance.

Confirmation: A confirmation along with directions to the Villa will be sent shortly after we process your payment.

Credit card payments: Please provide us the credit card information in the Rental Agreement. Please note that there will be a 1.99% processing fee added to the balance.

Payments by check: If you prefer, you may send a check instead of using a credit card to avoid the processing fee. Please remit by the due date to the following:

Pomaika'i Family LLC
 236 West Portal Ave. No. 521
 San Francisco, CA 94127

Mahalo nui loa for choosing Maui Mandalay!

* required



Aloha Insurance Services, Inc.
75-5931 Walua Rd.
Kailua-Kona, HI 96740
Phone : 808-334-0044 Fax : 808-334-0115

INVOICE # 20718		Page 1
ACCOUNT NO.	OP	DATE
CARTRAI	PP	03/04/11
PRODUCER		
Ocean Marine Unit		
BALANCE DUE ON		
03/18/11		
AMOUNT PAID		AMOUNT DUE
		\$ 2,050.00

Rachel Cartwright
5277 West Wooley Rd
Oxnard, CA 93035

itm #	Due Date	Trn	Type	Description	Amount
INVOICE # 20718					
195193	03/18/11	REN	BOAT	Policy renewal	
				RLI Marine Insurance Company	\$ 2,050.00
				Invoice Balance:	\$ 2,050.00

Please make your check payable to Aloha Insurance Services, Inc. Thank You



Purchase Order

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CSU Channel Islands
Camarillo, CA 93012

Vendor: 0000007486

Pomaika'i Family LLC
236 West Portal Avenue No. 521
San Francisco CA 94127

Purchase Order 0000010217	BU CICMP	Date 01/21/2011	Revision	Page 1
Payment Terms Net 30	Freight Terms FOB-Destination	Ship Via BestMethod		

Ship To: Receiving Warehouse
One University Drive
Attn: Receiving Warehouse
Camarillo CA 93012
805/437-3185

Bill To: One University Drive
Attn: Accounts Payable
Camarillo CA 93012
805/437-8400

Line-Sch	Quantity	UOM	Description	Unit Price	Extended Amt	Due Date
1 - 1	4,805.63	DLR	Accommodations for 7 nights The Maui Mandalay	1.00	4,805.63	01/21/2011

Reference Quote Dated: 1/20/11
For UNIV 391_02
Habitat of Hawaii's Humpback Whales
IRA and course fee funded

Campus Contact:
Mary Devins, 805-437-3253

Subtotal 4,805.63	Sales Tax 0.00	Misc. Charge/Discount 0.00	Freight 0.00	Total 4,805.63
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Internal Use Only 827

Contractors are responsible for familiarity with California State University (CSU) General Provisions for Commodity and Service Acquisitions. These provisions are available via the Internet at www.calstate.edu/csp/crl/GP/GP.shtml or by request at the Procurement Office address listed above. Delay in Shipment: If you cannot fill this order without delay, notify the University Purchasing Office immediately of the probable delivery date. Changes: No change or modification in terms, quantities or specifications may be made without express authorization in writing from the University Purchasing Office. No other CSU officer or employee may authorize changes.

CERTIFICATION AND APPROVAL OF PURCHASE ORDER

I hereby certify on my own knowledge that this order for the purchase of the items specified is issued in accordance with the procedure prescribed by law governing such items for the Trustees of the CSU and that all such legal requirements have been met.

By:

Soto, Ilene Goods & Services Buyer
Tel: 805/437-8481
Fax: 805/437-8486 email: ilene.soto@csuci.edu

389

GAS

WELCOME TO
TESORO 61075
444 KELE ST
MAUI, HI 96732

TESORO #61075
444 KELE ST
MAUI HI

TESO49948001
VISA
CARTWRIGHT/RACHEL
INVOICE# 005648
DATE 03/26/11 11:01
PUMP # 09
PRODUCT: UNLD
APPROVAL # 035590
GALLONS: 5.689
PRICE/G: \$ 4.399
FUEL SALE \$ 25.03

THANK YOU
FOR YOUR BUSINESS

R. CARTWRIGHT

RA TRIP EXPENSES - HAWAII'S HUMPBALL WHALES

CAAS - 25.03

SAFETY EQUIP - 141 43

389

The content of the course as outlined addresses the larger program objectives of the Biology and Chemistry departments, as well as many of the specific objectives of Chemistry and Biology 492/494 courses.

Students will enroll in one of a number of potential courses, underscoring the interdisciplinary nature of the training and research. Biology students will enroll in either Biol 492 or 494, chemistry students will enroll in either Chem 492 or 494; in either case the course can fulfill a major requirement. Additionally, chemistry majors may substitute this course for Chem 251, Quantitative Analysis Lab. Students from other majors, for example ESRM, will be encouraged to enroll in any of these classes for credit as well. The goal is to involve students from diverse majors so that each can enrich the educational benefit of the other.

The work covered in the course complements a range of other biology and chemistry courses, including Behavioral Ecology (Biol 407), Marine Biology (312), Science and Public Policy (Biol 345) Quantitative Methods in Biology (Biol 203), Environmental Chemistry (Chem 301) and Quantitative Analysis (Chem 250/ 251).

Biology and chemistry students are already actively involved in a related laboratory based research project, under the supervision of the applicants (Chem/Bio 494), which explores the dietary and behavioral implications of blubber stratification and the ontogeny of neonate muscle tissues. The field course proposed here provides a practical, field based extension of this work and as we develop a core of students who are experienced in marine mammal studies such as this, we will be well -placed for extending this work to include more local settings, with a regional focus on the marine mammal populations of the Santa Barbara Channel.

3. Activity assessment

The course assessment will comprise two components, related to its two key deliverables:

1. Student research projects will be assessed according to a rubric that measures their engagement with research planning and preparation, design and subsequent data analysis; grades will be assigned based on this rubric.
2. The topics-based component of the course will be assessed not only by the instructors, but by members of the target audience for the different media as well, using a voluntary survey form.

The students will also complete a self evaluation of both their research and their outreach activities using a rubric that they develop at the beginning of the term.

4. Activity budget.

(Costs are based on 9 students and 2 instructors)

Roadrunner shuttle to LAX

Flights 11 x 750

460

8250

~~10,396~~
10,496

Accommodation 7 nights

(Accommodation will be in two adjoining self catering duplexes)

Total accommodation:

Transport - SUV for 8 days + airport shuttles

Food (all self catering - budget \$100 per person)

Research activities:

Additional Vessel hire 4 days

(The Keiki Kohola Project has a small research vessel, which would be used in the project, however a second vessel would be required (see Attachment 2 for further details / explanation)

Insurance (additional liability insurance to cover students on research boat)

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Total:

(Student contribution estimated as \$500 each)

Total requested from the IRA

5. Sources of additional support.

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$4805 + 2000 = 6805$
5000
800
1100 1600

~~2000~~

2050
2500

4500 2475 capt
1125
3600

~~1650~~
excluded

2000
450
1637

28,710

(4,500) \leftarrow \$5400

24,210

$28,710 - (1100 + 1650) =$
 $\$19,470$ initial award + 3210 =

22680

This represents an in-kind donation of around \$2000 per student, based on current equivalent Earthwatch-type programs, which charge for participation in this type of project.

Monitoring equipment will be provided by Keiki Kohola Project. Dr. Gillespie will provide additional equipment for field measurements from his research laboratory.

Students will also be involved in fund raising activities after the trip. Planned activities include the sale of photography and t. shirts. Production costs of these items will be covered by the Keiki Kohola Project. Profits generated will primarily be donated to offset the carbon footprint of the trip.

Application
Instructionally Related Activities Funds Request
2009-2010 Academic Year

ACTIVITY BUDGET FOR 2010- 2011

1. Operating Expense Budget

A. Lodging	Self catering condos
	Total - \$5000
B. Vendor Printing	_____
C. In-State Travel	Shuttle to LAX - 460 _____
D. Out-of-State Travel	Roundtrip LAX - Maui: 11 X 750 = 8250
E. Equipment Rental	Additional research vessel 4 days = \$2000, minivan rental - \$800
F. Equipment Purchase	_____
G. Contracts/Independent Contractors	_____
H. Honorarium	_____
I. OPC Chargeback	_____
J. Copier Chargeback	_____
K. Other (Please Specify)	_____ (See above).
 TOTAL Expenses	 _____ \$28710

2. Revenue

A. Course Fees	4500
B. Ticket Sales	
C. Out of Pocket Student Fees (exclusive of course fees)	
D. Additional Sources of Funding	<u>Additional support from local non profit, Field Equipment to be supplied by Chemistry dept</u>
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Please find attached the abstract for our manuscript. Note, Kevin Eden is a student author who participated in the trip in Spring 10.

Pro Card	Pro Card	Direct Pay	Rachel	Rachel	Blake	
TK910	GD920	TK910	TK910	GD920	TK910	
\$ 49.50	\$ 32.23	\$ 2,050.00	\$ 2,475.00	\$ 1,059.04	\$ 99.00	
\$ (15.00)	\$ 59.23	\$ 4,805.63	\$ 804.42			Total TK910
\$ 74.48	\$ 71.78	\$ 100.00				\$ 1,680.63
\$ 53.50	\$ 28.83	\$ 10,396.07				\$ 17,351.42
\$ 1,187.52	\$ 70.31					\$ 3,279.42
\$ 265.63	\$ 18.74					\$ 99.00
\$ 65.00	\$ 83.16					\$ 22,410.47
	\$ 15.27					\$ 2,110.95
	\$ 15.42					
	\$ 450.00					Total IRA Award
	\$ 48.28					\$ 22,680.00
	\$ 65.83					\$ 5,400.00
	\$ 22.81					
	\$ 20.82					<u>Still Outstanding (est)</u>
	\$ 212.44					Roadrunner
						\$ 500.00 GD920
						Additional Invoice from House
						\$ 2,000.00 GD920
						Van rental*
						\$ 800.00 GD920
\$ 1,680.63	\$ 1,051.91	\$ 17,351.70	\$ 3,279.42	\$ 1,059.04		*will need to move to GD920

Summary

Fuel — 147.70
173.05

Captains Pay — 1350.00
450.00
450.00
225.00

Costco — 596.86

Gas — van transportation — 25.08
(land)

Safety equipment for — 141.43.
boat 2

FUEL
COSTS

PACIFIC WEST FUELS INC.
100 VIEW STREET
SUITE 208
MOUNTAIN VIEW, CA 94041
1-800-926-2628

PAGE 1

C A R D L O C K I N V O I C E

KEIKI KOHOLA PROJECT

CUSTOMER NUMBER 47375

5277 W.WOOLEY ROAD
OXNARD, CA 93035

INVOICE DATE: 03/15/11

>>> ALL FUEL PURCHASES ARE DUE UPON RECIEPT OF INVOICE <<<

DATE	TIME	VESL	CARD	CARDHOLDER	HOURS	SITE	PROD	GALLON	PRICE	AMOUNT
03/15/11	03:55P	0000	1811	KEIKI 2		LAHAINA UNL		36.59	4.0367	147.70
				** KEIKI 2	SUB	TOTAL		36.59		147.70

CARDLOCK PURCHASES *>>> 147.70

EXCISE TAXABLE AMOUNT	147.70	0.04170	6.16
LOCAL STATE GAS TAX	36.6	0.34000	12.44
FEDERAL GAS TAX	36.6	0.18400	6.73
TOTAL CARDLOCK PURCHASES	*>>>		173.05

CURRENT PERIOD				
	GAL	FTAX	STAX	EXCISE TX
GAS	36.59	6.73	12.44	
DSL CL	0.00	0.00	0.00	
DSL DY	0.00	0.00	0.00	
EXCISE TAX				6.16

YEAR TO DATE				
	GAL	FTAX	STAX	EXCISE
	197.30	36.30	67.07	
	0.00	0.00	0.00	
	0.00	0.00	0.00	
				30.

BOAT 1 PREP FUEL
FOR TRIP USE

147.70

FUEL
COSTS

PACIFIC WEST FUELS INC.

PAGE 1

100 VIEW STREET
SUITE 208
MOUNTAIN VIEW, CA 94041
1-800-926-2628

S T A T E M E N T
AS OF MARCH 15, 2011

47375
KEIKI KOHOLA PROJECT
*47375
5277 W.WOOLEY ROAD
OXNARD, CA 93035

TERMS :
DUE AND PAYABLE
UPON RECEIPT

Indicate Amount Paid \$
AMOUNT DUE \$ 0.00

*** Please Return This Portion With Remittance ***

47375		PACIFIC WEST FUELS INC.		MARCH 15, 2011	
DATE	DESCRIP	REF NO	CHARGES	CREDITS	BALANCE
----	-----	-----	-----	-----	-----
	PREVIOUS BAL				0.00
03/16/11	PAYMENT	5096MA	0.00	173.05	173.05-
03/16/11	CARDLOCK INVOIC	0019	173.05	0.00	0.00
	TOTALS		173.05	173.05	0.00

BOAT 2 - PROR TO STUDENT USE
IN PREP

\$ 173.05

*** C R E D I T T E R M S ***

Billing shall be on the 1st and 15th of each month. Charges are DUE AND PAYABLE UPON RECEIPT OF INVOICE. A late charge of 2 percent (24 percent annual percentage rate) or \$2.00 minimum will be applied to past due accounts. Returned checks will be assessed charges in accordance with the law.



**** MAUI #119 ***

540 HALEAKALA HWY
KAHULUI, HI 96732
MEMBER #111762214435

535416 KS LIQ ENVIR 14.79 A
GLD STR REN 50.00 A

1599	JANTALOUPE	7.99	A
71096	RED DEL	10.99	A
264336	PEPPERONI	9.99	A
TOTAL NUMBER OF ITEMS SOLD = 4			
27491	OREO COOKIES	6.99	A
10505	KUNA CLASSIC	9.69	A
754400	RITZ 48 OZ	6.99	A
4807	SLD WHA TUNA	11.99	A
270012	BRITANITCHER	26.99	A
1950	GRANDA BARS	11.89	A
63480	HONEY NUT	6.59	A
84839	ZIPLOC SANDW	8.99	A
6956	BISQUICK	4.99	A
1065	BAGELS	5.49	A
31865	BAGELS	5.49	A
412121	MG CHEERIO	6.89	A
34747	BLK FRST HM	7.22	A
34747	BLK FRST HM	7.34	A
34678	SLD BRWN TRK	8.06	A
34678	SLD BRWN TRK	7.58	A
34678	SLD BRWN TRK	7.78	A
771110	DRGTORTCHIPS	4.99	A
37015	CLANTRO LIME	10.47	A
37015	CLANTRO LIME	11.83	A
37015	CLANTRO LIME	10.15	A
15552	COFFEEMATE	9.39	A
38742	FRESH CORN	7.99	A
38742	FRESH CORN	7.99	A
292580	YOPLAIT YGRT	8.69	A
751595	MANGO SALSA	4.95	A
503961	KS MAYO 64 Z	4.49	A
11448	TENDERLOIN	23.29	A
11448	TENDERLOIN	24.19	A

5685	SPINACH	9.49	A
6365	BROCCOLI	8.49	A
39036	ROMAINE	6.49	A
209159	VEGGI BURGR	12.49	A
505616	TORTE LINI	8.99	A
505616	TORTE LINI	8.99	A
106913	FT FREE MILK	4.22	A
106913	FT FREE MILK	4.22	A
406340	SLICEDHAVART	7.19	A
40532	CREAM CHEESE	8.49	A
60357	MIXED PEPPER	7.49	A
750192	COCKTAIL TOM	7.49	A
750192	COCKTAIL TOM	7.49	A
26802	CRUMBLD FETA	6.45	A
22970	CAESAR DRNG	6.79	A
9862	GREGGS RANCH	6.59	A
31346	MUNSTER CHZ	6.59	A
67917	CHEDDAR SLIC	6.99	A
172246	COOL CARROTS	5.99	A
18600	CLEMENTINES	7.99	A
18600	CLEMENTINES	7.99	A
44530	GRANOLA MIX	9.99	A
5969	CUCUMBERS	5.99	A
560220	VARIETY LOAF	8.99	A
968000	KS MLTIGRAIN	5.99	A
968000	KS MLTIGRAIN	5.99	A
968000	KS MLTIGRAIN	5.99	A

SUBTOTAL 572.99
A GET 4.166% 23.87

TOTAL 596.86
VF American Express 596.86

XXXXXXXXXX2894 SWIPED
03/19/11 14:00
Seq#: 001759 App#: 913246
American Express Resp: AA
Tran ID#: 107830107000
Merchant ID 99011911

APPROVED - PURCHASE
AMOUNT: \$596.86

0119 008 0000000055 0188

CHANGE .00

TOTAL NUMBER OF ITEMS SOLD = 60
CASHIER: ERWIN D REG# 8
4/19/2011 14:01 0119 08 0188 55

MAHALO NUI LOA

R. CARTWRIGHT

IRA TRIP EXPENSES - HAWAII'S HUMP BACK
FOOD COSTS - 596.86 WALES.

VALLEY ISLE MARINE CENTER
INC
1976 WELLS STREET
WAILUKU, HAWAII 96793
TEL: 808-244-2000

HAWAII MARINE CENTER
16-207 WILIAMA STREET
KEAAU, HAWAII 96749
TEL: 808-89BOATS

NOV 19/2011

Invoice #: 441111

Invoice

CUSTOMER #

Cust name: Maui Sale
(808) 555 - 5555

SEA-151620-1 SNAP, STAINLESS 4 1/16"	
1.00 @ \$ 11.25	\$11.25
SEA-CDL820-20 DOCK LN BRAID 1/2 X 20 BL	
2.00 @ \$ 27.29	\$54.58
SEA CRUISER FIRST AID KIT	
1.00 @ \$ 39.95	\$39.95
SEA RED HANDHELD 4PK	
1.00 @ \$ 29.99	\$29.99
SUBTOTAL:	\$135.77
	\$0.00
TOTAL:	\$135.77
SHIPPING:	\$0.00
SALES TAX:	\$5.66
TOTAL DUE:	\$141.43
PAID BY:	
Other	\$141.43
	amex
TOTAL TENDER:	\$141.43
Change:	\$0.00

PAID BY CHECK BY R. CARTWRIGHT

RECEIPT

DATE 3-25-11 No. 311410

FROM Cal State Univ Channel Islands \$450⁰⁰

Four hundred and fifty DOLLARS

☐ FOR RENT
☒ FOR Captain's Pay 3-20-3-22

ACCT. ☐ PAID ☒ DUE ☐

☐ CASH
☒ CHECK
☐ MONEY ORDER
☐ CREDIT CARD

FROM R. Cartwright TO D. Cesare

BY [Signature]

adams 2501

RECEIPT

DATE 3-25-11 No. 311411

FROM Cal State University Channel Islands \$225⁰⁰

Two hundred and twenty five DOLLARS

☐ FOR RENT
☒ FOR Captain's Pay 3-21

ACCT. ☐ PAID ☒ DUE ☐

☐ CASH
☒ CHECK
☐ MONEY ORDER
☐ CREDIT CARD

FROM R. Cartwright TO D. Cesare

BY [Signature]

adams 2501

R CARTWRIGHT

IRA TRIP- HAWAII'S HUMPBACK WHALES

CAPTAIN'S PAY 450⁰⁰
225⁰⁰

675⁰⁰

RACHEL CARTWRIGHT
5277 W WOOLEY RD.
OXNARD, CA 93035-1877

90-7162/3222
1961158384

1036

date 3/25/11

PAY to the order of John Cesare \$225.00
Two hundred and twenty five DOLLARS

 Washington Mutual

Washington Mutual Bank, FA
Ventura Marina Financial Center 1630
2499 Harbor Blvd.
Ventura, CA 93001
1-800-788-7000
24 hour Customer Service

MEMO

Cash on pay 3/21

Rachel Cartwright

⑆322271627⑆ 1961158384⑆ 1036

RACHEL CARTWRIGHT
5277 W WOOLEY RD.
OXNARD, CA 93035-1877

90-7162/3222
1961158384

1035

date 3/25/11

PAY to the order of Dan Cesare \$450.00
Four hundred and fifty DOLLARS

 Washington Mutual

Washington Mutual Bank, FA
Ventura Marina Financial Center 1630
2499 Harbor Blvd.
Ventura, CA 93001
1-800-788-7000
24 hour Customer Service

MEMO

Cash on pay 3/20/3/22

Rachel Cartwright

⑆322271627⑆ 1961158384⑆ 1035

Glacier National Park

PAID BY CHECK BY R. CARTWRIGHT

RECEIPT

DATE 3/26/11 No. 311409

FROM Cal State Univ Channel Islands \$ 450⁰⁰

four hundred and fifty DOLLARS

☐ FOR RENT
☒ FOR Captains Pay 3,24-3,25

ACCT. ☐ PAID ☒ DUE ☐

☐ CASH
☒ CHECK
☐ MONEY ORDER
☐ CREDIT CARD

FROM R. Cartwright TO Alvina

BY [Signature]

adams 2501

RECEIPT

DATE 3/26/11 No. 311408

FROM Cal State Univ. Channel Islands \$ 1350⁰⁰

One thousand, three hundred & fifty DOLLARS

☐ FOR RENT
☒ FOR Captains Pay 3-20 → 3/26

ACCT. ☐ PAID ☒ DUE ☐

☐ CASH
☒ CHECK
☐ MONEY ORDER
☐ CREDIT CARD

FROM R. Cartwright TO T. Magdel

BY [Signature]

adams 2501

R. CARTWRIGHT
IRA TRIP - HAWAII'S HUMPBACK WHALES

CAPTAINS PAY

— 1350⁰⁰
450⁰⁰
1800⁰⁰

RACHEL CARTWRIGHT

5277 W WOOLEY RD.
OXNARD, CA 93035-1877

90-7162/3222
1961158384

1033

date 3/26/11

PAY to the order of Terence Mongdal \$ 1350⁰⁰

One thousand three hundred and fifty & 00/100 DOLLARS



Washington Mutual

Washington Mutual Bank, F.A.
Ventura-Marina Financial Center 1630
2499 Harbor Blvd.
Ventura, CA 93001
1-800-788-7000
24 hour Customer Service

MEMO

Captain's pay 3/20-3/25

Rachel Cartwright

MP

⑆322271627⑆ 1961158384 1033

RACHEL CARTWRIGHT

5277 W WOOLEY RD.
OXNARD, CA 93035-1877

90-7162/3222
1961158384

1034

date 3/25/11

PAY to the order of Amy Rivera \$ 450⁰⁰

Four hundred and fifty DOLLARS



Washington Mutual

Washington Mutual Bank, F.A.
Ventura-Marina Financial Center 1630
2499 Harbor Blvd.
Ventura, CA 93001
1-800-788-7000
24 hour Customer Service

MEMO

Captain's pay 3/24-3/25

Rachel Cartwright

MP

⑆322271627⑆ 1961158384 1034

PACIFIC WEST FUELS INC.

PAGE 1

100 VIEW STREET
SUITE 208
MOUNTAIN VIEW, CA 94041
1-800-926-2628

S T A T E M E N T
AS OF APRIL 1, 2011

47375

KEIKI KOHOLA PROJECT
*47375
5277 W.WOOLEY ROAD
OXNARD, CA 93035

TERMS :
DUE AND PAYABLE
UPON RECEIPT

Indicate Amount Paid \$
AMOUNT DUE \$ 0.00

*** Please Return This Portion With Remittance ***

47375

PACIFIC WEST FUELS INC.

APRIL 1, 2011

DATE	DESCRIP	REF NO	CHARGES	CREDITS	BALANCE
----	-----	-----	-----	-----	-----
	PREVIOUS BAL				0.00
04/01/11	PAYMENT	6992MA	0.00	804.42	804.42-
04/01/11	CARDLOCK INVOIC	0016	804.42	0.00	0.00
	TOTALS		804.42	804.42	0.00

*** C R E D I T T E R M S ***

Billing shall be on the 1st and 15th of each month. Charges are DUE AND PAYABLE UPON RECEIPT OF INVOICE. A late charge of 2 percent (24 percent annual percentage rate) or \$2.00 minimum will be applied to past due accounts. Returned checks will be assessed charges in accordance with the law.

PACIFIC WEST FUELS INC.
100 VIEW STREET
SUITE 208
MOUNTAIN VIEW, CA 94041
1-800-926-2628

PAGE 1

KEIKI KOHOLA PROJECT

C A R D L O C K I N V O I C E

CUSTOMER NUMBER 47375

5277 W.WOOLEY ROAD
OXNARD, CA 93035

INVOICE DATE: 04/01/11

>>> ALL FUEL PURCHASES ARE DUE UPON RECIEPT OF INVOICE <<<

DATE	TIME	VESL	CARD	CARDHOLDER	HOURS	SITE	PROD	GALLON	PRICE	AMOUNT
03/17/11	09:54A	0000	1811	KEIKI	2	LAHAINA	UNL	37.75	4.1327	156.01
03/22/11	09:37A	0000	1811	KEIKI	2	LAHAINA	UNL	68.93	4.2191	290.82
03/25/11	09:38A	0000	1811	KEIKI	2	LAHAINA	UNL	29.14	4.2959	125.18
03/26/11	10:52A	0000	1811	KEIKI	2	LAHAINA	UNL	27.48	4.2959	118.05
** KEIKI 2 SUB TOTAL								163.30		690.06

CARDLOCK PURCHASES *>>> 690.06

EXCISE TAXABLE AMOUNT	690.06	0.04170	28.78
LOCAL STATE GAS TAX	163.3	0.34000	55.52
FEDERAL GAS TAX	163.3	0.18400	30.05
TOTAL CARDLOCK PURCHASES	*>>>	804.42	

CURRENT PERIOD				YEAR TO DATE			
GAL	FTAX	STAX	EXCISE TX	GAL	FTAX	STAX	EXCISE
GAS	163.30	30.05	55.53	360.60	66.35	122.60	
DSL CL	0.00	0.00	0.00	0.00	0.00	0.00	
DSL DY	0.00	0.00	0.00	0.00	0.00	0.00	
EXCISE TAX			28.78				59.

389

TRAVEL EXPENSE CLAIM (TEC)

Must be submitted within 30 days of the end of travel

C.I.T #

☒ **Employee**
☐ Applicant
 ☐ Volunteer
 ☐ Non-Employee
 ☐ Student (Waiver on File)

CALIFORNIA STATE UNIVERSITY		TRAVELER'S NAME		RESIDENCE ADDRESS		CITY/STATE/ZIP CODE	
		Blake Gillespie		723 West Arrellaga St		Santa Barbara, CA 93101	
HEADQUARTERS ADDRESS		HEADQUARTERS CITY/STATE/ZIP		TRAVELER'S PHONE NO.		DEPARTMENT	
One University Drive		Camarillo, CA 93012		805-698-8516		781 Assist Prof	
DEPARTURE DATE		DEPARTURE TIME (AM/PM)		RETURN DATE		RETURN TIME (AM/PM)	
03/19/11		4:00 AM		03/28/11		10:00 PM	
				FORM PREPARED BY		EXTENSION	
				Mary Devins		3253	
						DELIVERY OPTIONS	
						SELECT ONE: Mail Check <input checked="" type="checkbox"/> <input type="checkbox"/>	
						Pickup Check <input type="checkbox"/>	

SAME-DAY TRAVEL													
DATE	DESTINATION	LODGING	MEALS (Taxable*)			INCIDENTALS	**Workshop & Training Fees	TRANSPORTATION				OTHER TRAVEL EXPENSE	TOTAL EXPENSES FOR DAY
			Breakfast	Lunch	Dinner			**Conferences & Meetings	COST OF TRANS.	CARFARE TOLLS PARKING	PRIVATE CAR USE MILES AMOUNT		
		N/A		N/A		N/A							

OVERNIGHT TRAVEL													
DATE	DESTINATION	LODGING	MEALS			INCIDENTALS	**Workshop & Training Fees	**Conferences & Meetings	TRANSPORTATION			OTHER TRAVEL EXPENSE	TOTAL EXPENSES FOR DAY
			Breakfast	Lunch	Dinner				COST OF TRANS.	CARFARE TOLLS PARKING	PRIVATE CAR USE MILES AMOUNT		
03/20/11	Maui												
03/22/11	maui									21.00		-	21.00
												-	78.00
												-	78.00
												-	-
												-	-
												-	-
												-	-
												-	-
												-	-
SUBTOTAL		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$21.00	-	\$0.00	\$78.00
LESS AMOUNT PREVIOUSLY PAID BY CI													\$99.00
LESS ANY OTHER ADJUSTMENTS		Comments:										0.00	

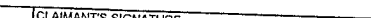

Source of Funding: (Please verify chartfields before submitting to AP)						AMOUNT DUE TRAVELER		\$99.00
Account	Fund	Dept	Program	Class	Project	Amount		
660003	TK910	827	90320			99.00		
PURPOSE OF TRIP, REMARKS, AND DETAILS: Attach original receipts to 8.5" X 11" pages and submit with claim.								

PURPOSE OF TRIP, REMARKS, AND DETAILS: Attach original receipts to 8.5" X 11" paper and submit with claim (Please do not use acronyms)

Parking and Whale Watching expenses. IRA supported. IRA Proposal attached.

NORMAL WORK DAYS/HOURS	\$55.00
PRIVATE VEHICLE LICENSE	
MILEAGE RATE CLAIMED	
0.505	(If different see instructions)

I HEREBY CERTIFY that I was authorized to travel and the above is a true statement of the travel expenses incurred by me in accordance with the applicable California State University policies and CI policies, and that all items shown were for the official business of The California State University. If a privately owned vehicle was used, and if mileage rate exceeds the minimum rate, I certify that the cost of operating the vehicle was equal to or greater than the rate claimed, and that I have met the requirements as prescribed by SAM Sections 0750, 0751, 0753, and 0754 pertaining to vehicle safety and seat belt usage. Furthermore, I HEREBY CERTIFY that I will not seek reimbursement for a duplicate claim or from any other source.		0.505	(If different see instructions)
CLAIMANT'S PRINTED NAME			

CLAIMANT'S PRINTED NAME	CLAIMANT'S SIGNATURE	DATE
Blake Gillespie		4/15/11
MANAGER'S PRINTED NAME	MANAGER'S SIGNATURE	DATE
Dan Wakelee		4/18/11
DIVISION APPROVAL PRINTED NAME (VP OR DESIGNEE)-if required	DIVISION APPROVAL SIGNATURE	DATE

Rev. (04/11) LC



Channel Islands
CALIFORNIA STATE UNIVERSITY

RUSH

389

Request for Goods and Services

PO#

Procurement use

New Vendor: ☐ Yes ☐ No
Vendor Name: Picadilly Inn
Address: 4961 N Cedar Ave
City/State/Zip: Fresno, CA
Phone:
Fax:
E-mail:
Contact:

Date: 5/5/2011
Requestor :
Phone: x3253

Mary Devins

* Delivery Date: 5/5/2011
Quote #:

Matching rules: ☒ 2-way ☐ 3-way
* E-mail copies to: mary.devins@csuci.edu

(Please attach all quotes)

shippingandreceiveing@csuci.edu

shippingandreceiving@csuci.edu

TAXABLE ITEMS											
Catalog/Part #	Description	UOM	QTY	Unit Price	Ext. Price	Account	Fund	Dept	Program	Class	Project
			0	\$1.00	\$0.00						
			0	\$1.00	\$0.00						
			0	\$1.00	\$0.00						
			0	\$1.00	\$0.00						
			0	\$1.00	\$0.00						
			0	\$1.00	\$0.00						
			0	\$1.00	\$0.00						
Taxable Subtotal					\$0.00						
NON-TAXABLE ITEMS											
	all rooms with all taxes	ea	11	\$98.31	\$1,081.41	606001	TK910	750	90326		
			0	\$1.00	\$0.00						
			0	\$1.00	\$0.00						
			0	\$1.00	\$0.00						
			0	\$1.00	\$0.00						
			0	\$1.00	\$0.00						
			0	\$1.00	\$0.00						
			0	\$1.00	\$0.00						
Non Taxable Subtotal					\$1,081.41						

Contract Services:

Check one: ☐ MEA ☐ CMAS
☐ Contract proposal attached

State Contract #:

Contract Administrator:

Phone:

E-mail:

Subtotal \$1,081.41
Tax \$0.00
Shipping \$0.00
Total \$1,081.41

Comments:

Check needed to be brought to the Inn on 5/6/11
IRA funded student travel to CSU Research
Competition in Fresno.

Signatures/Approvals

Print name/Signature

IT Mgr (if required):

If order is IT related: An approval signature must be obtained

Chair/Dept. Budget:

Dean/Director:

Division VP/Designee:

President (if required):

Devins, Mary

From: Kelly, Sean Q.
Sent: Monday, March 28, 2011 11:56 AM
To: Devins, Mary; Wyels, Cindy
Subject: FW: Piccadilly Inn University, Fresno CA

I just assigned everyone roommates. It seems to me they can feel free to pair up any way they like once we are there.

Mary—I assume the extra room is for the driver, yes?

From: Andy Cotta [<mailto:andy@piccadillyinn.com>]
Sent: Monday, March 28, 2011 11:54 AM
To: Kelly, Sean Q.
Subject: RE: Piccadilly Inn University, Fresno CA

Hello Sean,

Here are your confirmation numbers, if you have any questions please feel free to contact me anytime

1 356113 (Lawrence Averion)	Simon Majeno	1
2 356114 Kaela Blicove	Jennifer Bonsangue	2
3 356115 Garrett Kuiken	Ryland Cleveland	3
4 356116 Danika Lindsay	Casey Padginton	4
5 356117 Mackenzie Garcia	Katrina Newcomb	5
6 356118 (Raquel Barata)	Casey Padginton	6
7 356119 Selena Mone	Yuejia Wu	7
8 356120 (Luis Contreras)	Shami Drew	8
9 356121 <u>Brandon Dowling</u>	(Matt Dawson)	9
10 356122 Sean Kelly		10
11 356123 TBD		11

Thank you

Andy Cotta

Front Office Manager

Piccadilly Inn University

4961 N. Cedar Ave.

389

Invoice Number: PC04110042
 Invoice Date: April 12, 2011
 Total Amount: \$ 3,998.52

7300008112104/18/11

**CSU Channel Islands
ProCard Statement**

Business Unit: CUCMP
Account Name: BLAKE GILLESPIE 805/437-2796 #73000081121
Origin: USB

Invoice Number: PC04110042
Invoice Date: April 12, 2011
Total Amount: \$ 3,998.52

Tran Dt	Vendor	St	Line Amt	Description	Distrib Lnh	Acct	Fund	Dept	Prgram	Class	Proj	Amount	Pur Cat	Utd By	Utd Dt	Dist
03/21/11	LAHAINA ACE HARDWARE	HI	71.78	E73737 ARTIST'S SUPPLY AND CRAFT SHOE73737												
				1 660003 GID920 827 90320								71.78			7300008112104/18/11	
				Total Distribution								71.78				
03/22/11	SAFEWAY STORE00012229	HI	28.83	001080264069787 GROCERY STORES, SUPERMARK												
				001080264069787												
				1 660820 GID920 827 90320								28.83			7300008112104/18/11	
				Total Distribution								28.83				
03/22/11	ALOHA MIXED PLATE	HI	70.31	EATING PLACES AND RESTAURANTS												
				1 660820 GID920 827 90320								70.31			7300008112104/18/11	
				Total Distribution								70.31				
03/22/11	PWF CRUISES INC #004-#005	HI	-15.00	TOURIST ATTRACTION AND EXHIBIT												
				1 660003 TK910 827 90320								-15.00			7300008112104/18/11	
				Total Distribution								-15.00				
03/22/11	PWF CRUISES INC #004-#005	HI	74.48	purchased TOURIST ATTRACTION AND EXHIBIT												
				1 660003 TK910 827 90320								74.48			7300008112104/18/11	
				Total Distribution								74.48				
03/23/11	LONGS #9877	HI	18.74	DRUG STORES & PHARMACIES												
				1 660003 GID920 827 90320								18.74			7300008112104/18/11	
				Total Distribution								18.74				
03/24/11	SAFEWAY STORE00012229	HI	83.16	081082235692040 GROCERY STORES, SUPERMARK												
				081082235692040												
				1 660820 GID920 827 90320								83.16			7300008112104/18/11	
				Total Distribution								83.16				
03/25/11	LONGS #9877	HI	15.27	DRUG STORES & PHARMACIES												
				1 660820 GID920 827 90320								15.27			7300008112104/18/11	
				Total Distribution								15.27				
03/25/11	HULA COOKIES & ICE CREAM	HI	15.42	USED MERCHANDISE STORES												
				1 660820 GID920 827 90320								15.42			7300008112104/18/11	
				Total Distribution								15.42				
03/25/11	REEFDANCER & AMERICA II	HI	53.50	0000000003 RECREATION SERVICES 0000000003												
				1 660003 TK910 827 90320								53.50			7300008112104/18/11	
				Total Distribution								53.50				
03/28/11	C3SUBMERGED	HI	450.00	50551259218082641219 TRAVEL AGENCY (NOT AIR)												
				50551259218082641219												
				1 660003 GID920 827 90320								450.00			7300008112104/18/11	
				Total Distribution								450.00				

Program Name: CS/PD008
Page 2

Report Date: 04/18/11
Report Time: 14:32:09

CSU Channel Islands ProCard Statement

Business Unit: CICMP
Account Name: BLAKE GILLESPIE 805/437-2796 #7300081121
Origin: USB

Invoice Number: PC04110042
Invoice Date: April 12, 2011
Total Amount: \$ 3,998.52

Trans Dt	Vendor	St	Line Amt	Description	Distrib	La#	Acct	Fund	Dept	Prgm	Class	Proj	Amount	Pur Cat	Upd By	Upd Dt	Disp
Total Distribution														450.00			
03/28/11	SAFEMAY STORE0012229	HI	48.28	081084627231390 GROCERY STORES, SUPERMARK													
				081084627231390													
				1 660820	GD920	827			90320								
Total Distribution														48.28			
03/28/11	UNION 76 10007714	HI	65.83	0000000000000000 AUTOMATED FUEL DISPENSERS													
				0000000000000000													
				1 605809	GD920	827			90320								
Total Distribution														65.83			
03/28/11	HULA COOKIES & ICE CREAM	HI	22.81	USED MERCHANDISE STORES													
				1 660820	GD920	827			90320								
Total Distribution														22.81			
03/28/11	OLD LAHAINA LUAU	HI	1,187.52	purchase RECREATION SERVICES purchase													
				1 660003	TK910	827			90320								
Total Distribution														1,187.52			
03/28/11	KAI NALU SURF SCHOOL	HI	265.63	RECREATION SERVICES													
				1 660003	TK910	827			90320								
Total Distribution														265.63			
03/29/11	AIRPORT TAXI LLC	HI	65.00	TAXICABS AND LIMOUSINES													
				1 660003	TK910	827			90320								
Total Distribution														65.00			
03/29/11	E-Z DISCOUNT STORES #64	HI	20.82	0945100100 MISC. FOOD STORES/SPECIAL													
				1 660003	GD920	827			90320								
Total Distribution														20.82			
03/29/11	ALOHA MIXED PLATE	HI	212.44	EATING PLACES AND RESTAURANTS													
				1 660820	GD920	827			90320								
Total Distribution														212.44			
Total Distribution														212.44			
														7300008112104/18/11			
														7300008112104/18/11			
														7300008112104/18/11			
														7300008112104/18/11			
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389

TRAVEL EXPENSE CLAIM (TEC)

Must be submitted within 30 days of the end of travel

C.I.T #

☒ **Employee** ☐ Applicant ☐ Volunteer ☐ Non-Employee ☐ Student (Waiver on File)

CALIFORNIA STATE UNIVERSITY		TRAVELER'S NAME Rachel Cartwright		RESIDENCE ADDRESS 5277 W Wooley		CITY/STATE/ZIP CODE Oxnard, CA 93035																		
HEADQUARTERS ADDRESS One University Drive		HEADQUARTERS CITY/STATE/ZIP Camarillo, CA 93012		TRAVELER'S PHONE NO. 437-2635		DEPARTMENT 720		POSITION Lecturer		DATE PREPARED 4/6/11														
DEPARTURE DATE 03/12/11		DEPARTURE TIME (AM/PM) 6:00 AM		RETURN DATE 03/27/11		RETURN TIME (AM/PM) 10:00 PM		FORM PREPARED BY Mary Devins		EXTENSION 3253														
										SELECT ONE: Mail Check <input checked="" type="checkbox"/> 3/ Pickup Check <input type="checkbox"/>														
SAME-DAY TRAVEL																								
DATE		DESTINATION		LODGING		MEALS (Taxable*)			INCIDENTALS		REGISTRATION**		COST OF TRANS.		TYPE USED		CARFARE TOLLS PARKING		PRIVATE CAR USE		OTHER TRAVEL EXPENSE		TOTAL EXPENSES FOR DAY	
				N/A		Breakfast Lunch Dinner			N/A										MILES AMOUNT					
OVERNIGHT TRAVEL																								
DATE		DESTINATION		LODGING		MEALS			INCIDENTALS		REGISTRATION**		COST OF TRANS.		TYPE USED		CARFARE TOLLS PARKING		PRIVATE CAR USE		OTHER TRAVEL EXPENSE		TOTAL EXPENSES FOR DAY	
						Breakfast Lunch Dinner													MILES AMOUNT					
04/01/11		Gas for boats in Maui							N/A												804.42		804.42	

TRAVEL AUTHORIZATION

C.I.T #

389

<input type="checkbox"/> Employee	<input type="checkbox"/> Volunteer	
Cartwright Last Name	Rachel First Name	BIOL/2635 Department/Extension
Mary Devins Prepared By	x3253 Extension	16-Dec-10 Date of Request

Departure Date: 3/12/11	Return Date: 3/27/11
Destination: Maui, HI	
Purpose: UNIV 391 Habitat Choice in Hawaii's Humpback Whales IRA and Course Fee Funded	

Transportation Approved

☐ Air ☐ Personal Car ☐ Rental Car ☐ Other _____

Registration--Check any meals provided as part of registration fee--Please attach agenda at supervisor's request

In the Expense Estimates section, do NOT estimate meal expense for any meal included in registration fee

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Breakfast							
Lunch							
Dinner							

Expense Estimates		Supervisor Comments/Restrictions
Meals	\$ 41.00	
Air Fare*	\$ 900.00	
Registration Fees**	\$ -	
Mileage x \$0.50 \$ -	
Lodging	\$2,500.00	
Miscellaneous (taxis, parking, tolls, etc.)	\$ -	
Car Rental	\$ 400.00	
Total Trip Estimate	\$3,841.00	
Adjusted trip estimate less any limits or restrictions		

* Airfare other than coach class must be pre-approved by CSUCI President.
** Registration fees may be paid for in advance of travel with a check request or use of Procurement card.

Account	Fund*	Dept	Program	Class	Project	Amount
Chartfield 606002	TK910	827	90320			\$19,470.00
Chartfield 606002	GD920	827	90320			\$4,950.00

Rachel Cartwright
Traveler Signature

Dan Wakelee
Supervisor Signature

Thomas T. Lindner
Division Approval Signature (V.P. or designee) - if required

Lecturer - B. Biology 1-24-11
Title Date

Dan Wakelee, Associate Dean
Title Date

Director, Center for International Affairs
Title Date

International Travel	
All travel outside of the United States must be approved in advance by the CSUCI President	
Travel Approved	President's Signature _____ Date _____
US State Department Meal Rate Approved <input type="checkbox"/> Yes <input type="checkbox"/> No	President's Signature _____
http://aoprals.state.gov/web920/per_diem.asp	



<http://www.csuci.edu/ira/index.htm>

Application
Instructionally Related Activities Funds Request
2010-2011 Academic Year
DEADLINE: Fall and Academic Year 3/31/10
Spring TBD

Applications must first be sent to the appropriate program chair. Chairs will recommend and route them to the Dean's Office for review and authorization. The Dean's Office will then forward them to the IRA Committee for consideration.

Activity Title: Habitat Choice in Hawaii's Humpback whales
An interdisciplinary field based research and service learning opportunity.

Project Sponsor/Staff (Name/Phone): Rachel Cartwright 805 437 2635
 Blake Gillespie 805 437 2404

Activity/Event Date(s): March 19th – 26th 2011

Date Funding Needed By: Spring 2011

**Please Note that for Fall Requests the earliest that you will be notified of funding availability will be early June 2010 and for Spring Requests early January 2011.

Please check if any of the following apply to your IRA:

- | | |
|--|---|
| <input checked="" type="checkbox"/> Equipment Purchase | <input checked="" type="checkbox"/> Field Trip |
| <input type="checkbox"/> Event | <input type="checkbox"/> Participant data collection for public dissemination, i.e. interviews/surveys that result is a journal/poster session/newsletter |
| <input type="checkbox"/> IT Requirements | <input type="checkbox"/> Risk Management Consultation |
| <input type="checkbox"/> International Travel | <input type="checkbox"/> Late Submission |
| <input type="checkbox"/> Space/OPC Requirements | |
| <input type="checkbox"/> Infrastructure/Remodel | |
| <input type="checkbox"/> Other _____ | |

Previously Funded: XYES ☐NO Yes, Request # 3 – previous trips ran in 2009 and 2010.

Does your proposal require IRB (Institutional Review Board) approval: No

Assessment submitted for previously Funded Activity: ☐YES

Academic Program or Center Name and Budget Code: Biology / chemistry

Date of Submission: October 2010

Amount Requested:

Estimated Number of Students Participating: 9

Application
Instructionally Related Activities Funds Request
2010-2011 Academic Year

Conditions and Considerations

Equipment Purchase-If requesting large equipment, Project Sponsor must show proof of correspondence with OPC Administration. In addition, all other purchases must follow Procurement Guidelines

Events-Attach copy of Events and Facilities Use Request Form (Public Folders-Events & Facilities folder) Consider time frame for set-up and take down.

Participant Data Collection for Public Dissemination-If Project Sponsor proposes to conduct research with human participants then it may be subject to IRB (Institutional Review Board for the Protection of Human Subjects) review. It is the Project Sponsor's responsibility to inquire with the IRB **prior** to IRA application submission to determine if the project is exempt from IRB review so that funding is not delayed. Please indicate on the cover page if your project is exempt from IRB review.

Field Trip-If approved, Identified Risks of Participation and Release Agreement must be submitted for each student to the Program Office (Public Folders-HR Forms).

IT Requirements-Requires proof of correspondence and approval from IT Administration

International Travel-Requires International Travel application be submitted to Center for International Affairs.

Risk Management Consultation-Requires proof of correspondence with Risk Management.

Space/OPC Requirements, Infrastructure/Remodel-Requires proof of correspondence with OPC Administration .

Late Submission - Requires explanation for emergency funding.

Fiscal Management: Project Sponsor's program will be responsible for all costs incurred over and above what is funded through the IRA award and will be responsible for seeing that any revenue that is intended to offset the amount of the IRA award is transferred accordingly.

Application
Instructionally Related Activities Funds Request
2010-2011 Academic Year

Requirements and Signatures

Please provide the following in your application:

1. **Brief Activity Description.** Describe the activity and its relationship to the educational objectives of the students' program or major.
2. **Relation to IRA to Course Offerings.** All IRAs must be integrally related to the formal instructional offerings of the University and must be associated with scheduled credit courses. Please list all classes that relate to the program proposed.
3. **Activity Assessment.** Describe the assessment process and measures that the program will use to determine if it has attained its educational goals. **Please note a report will be due at the end of the semester.**
4. **Activity Budget.** Please enclose a complete detailed budget of the entire Activity **bold** specific items of requested IRA funding. (Page 4)
5. **Sources of Activity Support.** Please list the other sources of funding, and additional support for the activity.
7. **Acknowledgment.** Project Sponsor and Program Chair acknowledge that they have reviewed and accepted the Conditions and Considerations detailed on page 2.

Signatures and Dates

Project Sponsor, 10/28/10
Date

Program Chair/Director 10/28/10
Date

Dean of the Faculty 11/03/10
Date

Habitat Choice in Hawaii's Humpback whales
A field based research and service learning opportunity for Science Majors.

1. Brief Description:

This field trip is a continuation of a research experience and service learning project that ran for the first time in spring '09 and for a second time in March 2010. The course provides students with the opportunity to participate in a conservation-based research study, associated outreach activities and to experience first-hand the unique culture of the Hawaiian Islands.

The field trip runs over spring break each year; 9 enrolled students will head to Maui, Hawaii, where they will be working with a local research organization, the Keiki Kohola Project. This is a non-profit research organization that includes experienced field biologists, local boat captains and naturalists. Our students will join this research team and participate in the all aspects of their on-going study of habitat preference within this critical habitat.

Pre-trip Preparation

Prior to the trip we will meet with students on a weekly basis. At these meetings, students will receive a comprehensive introduction to the behavioral ecology of large cetaceans, and the research methodology that is used in field research of this nature. Students will work in small teams to develop a detailed understanding of a particular research task assigned to them. They will then be responsible, as student mentors, for teaching fellow team members to accurately gather the data in question and for the post trip analysis of this data.

Field Activities

Whilst on the islands, students will meet with representatives from other local NGO's, local management officials from the Hawaiian Island Humpback Whale National Marine Sanctuary, and other researchers who are active in the conservation arena in the region. These different entities will inform our students on the politics and the practicalities of the unique challenges of marine management and conservation. Through first hand experiences on the water, combined with the information the students will gain from these meetings, students will gain a very realistic picture of the current conservation challenges that face this region.

Student Participation in Research Dissemination

Additionally, students involved in the project will participate in a variety of media projects planned for this year that aim to publicize the remarkable results that we have compiled from this project to date. These results present a compelling picture of a region where human activity, in the form of vessel traffic, is heavily impacting the critical habitat of this endangered species. A documentary of the project is being prepared for broadcast on a local Hawaiian television. We are working on bringing an exhibition of project-related humpback whale photography and artwork to the Channel Islands Gallery, and we plan to encourage students to participate in the production of this show. Most importantly, the crux of our recent findings is that human activity has a clear impact on whale behavior in the Au'au channel; the students will be challenged with how to present this information *outside* the normal science-dissemination channel. How can our results be communicated to the public and whale-watching industry in a way that respects the role of each in endangered species management?

The Research and Student Capstone Projects

In previous years, students have researched and produced synopses on a wide variety of management issue impacting this region, from outreach activities to underwater noise. Many of the participating students have subsequently chosen to continue these studies, incorporating their work into capstone and other independent research projects. We see this as one of the most valuable outcomes of the course, as students voluntarily pursue their own original interests, alongside the contribution that they make to the larger research effort. This year, we will again encourage students to develop their own areas of interest, and to actively research these areas during their time on the island. On completion of the trip, students will be invited to present these studies on the Keiki Kohola Project website (www.caringforcalves.org) and to include these studies in their end of year research presentations at the Sage Research Forum.

Student-centered Improvements in the Course

In response to student feedback from previous years, we plan to include several cultural experiences as part of the trip: students will take a hike through the rainforest to a waterfall. A local guide will lead the trip, and give the students an overview of Maui's biogeography, plant and animal life. Guided visits to a number of cultural sites around the island will develop the human dimension of the project, highlighting the relationship of Hawaiian native culture to the ocean, and the impact of western culture on native traditions. The traditional Hawaiian Luau we attended last year was *very* popular with the students, and provides an interesting counterpoint to the students' 'local' experience. These activities are crucial; research must have a context to be meaningful and we are as dedicated to showing the students *why* we do research as much as *how*.

Taken together, these activities will ensure that their experience is well rounded and reaches beyond their own immediate disciplines and interests. This year we are particularly keen to encourage students from the arts program and English majors to participate in the course. Several inquiries from students in these majors have already been received. We plan to augment this by advertising the trip across the university, to ensure that all interested students have the opportunity to apply.

2. Relation of IRA to existing course offerings

Students who participate in the course will:

- Design experiments to test scientific hypotheses, collate data, conduct statistical analyses and evaluate research outcomes.
- Gain first-hand experience in problem solving – always a component of field research which involves animals in their natural setting.
- Identify topic appropriate research materials, synthesize information from a variety of sources and gain experience in effective communication of results in a variety of media.
- Develop communication skills and the ability to work as an effective team member in a diverse cultural setting
- Use analytic and data collection equipment in situ.
- Work as part of federally permitted research team, and contribute to ongoing efforts for the conservation of a federally listed, endangered species.

The content of the course as outlined addresses the larger program objectives of the Biology and Chemistry departments, as well as many of the specific objectives of Chemistry and Biology 492/494 courses.

Students will enroll in one of a number of potential courses, underscoring the interdisciplinary nature of the training and research. Biology students will enroll in either Biol 492 or 494, chemistry students will enroll in either Chem 492 or 494; in either case the course can fulfill a major requirement. Additionally, chemistry majors may substitute this course for Chem 251, Quantitative Analysis Lab. Students from other majors, for example ESRM, will be encouraged to enroll in any of these classes for credit as well. The goal is to involve students from diverse majors so that each can enrich the educational benefit of the other.

The work covered in the course complements a range of other biology and chemistry courses, including Behavioral Ecology (Biol 407), Marine Biology (312), Science and Public Policy (Biol 345) Quantitative Methods in Biology (Biol 203), Environmental Chemistry (Chem 301) and Quantitative Analysis (Chem 250/ 251).

Biology and chemistry students are already actively involved in a related laboratory based research project, under the supervision of the applicants (Chem/Bio 494), which explores the dietary and behavioral implications of blubber stratification and the ontogeny of neonate muscle tissues. The field course proposed here provides a practical, field based extension of this work and as we develop a core of students who are experienced in marine mammal studies such as this, we will be well -placed for extending this work to include more local settings, with a regional focus on the marine mammal populations of the Santa Barbara Channel.

3. Activity assessment

The course assessment will comprise two components, related to its two key deliverables:

1. Student research projects will be assessed according to a rubric that measures their engagement with research planning and preparation, design and subsequent data analysis; grades will be assigned based on this rubric.
2. The topics-based component of the course will be assessed not only by the instructors, but by members of the target audience for the different media as well, using a voluntary survey form.

The students will also complete a self evaluation of both their research and their outreach activities using a rubric that they develop at the beginning of the term.

4. Activity budget.

(Costs are based on 9 students and 2 instructors)

Roadrunner shuttle to LAX		460
Flights	11 x 750	8250

Accommodation 7 nights

(Accommodation will be in two adjoining self catering duplexes)

Total accommodation:	5000
Transport – SUV for 8 days + airport shuttles	800
Food (all self catering – budget \$100 per person)	1100
Research activities:	
Additional Vessel hire 4 days	2000
<i>(The Keiki Kohola Project has a small research vessel, which would be used in the project, however a second vessel would be required (see Attachment 2 for further details / explanation)</i>	
Insurance <i>(additional liability insurance to cover students on research boat)</i>	2500
Vessel running costs (Captains stipends, boat fuel, dock fees) <i>(On boat days when two vessels are out on the water, we will require two licensed captains - total 10 boat days – 250 per day is a typical stipend for captains)</i>	4500
Equipment required – SRL camera and lens <i>(As students will be on two different boats, an additional camera will be required. It needs to be sufficient to operate at high shutter speeds, we need to obtain a high resolution image and we need a long lens (300m). Previously, we have used loan cameras from the library, however these are not compatible with the research software and also they do not meet the required performance standards outlined).</i>	1650
Context-building activities speaker fees, guide costs, luau costs	2000
Commercial whale watching trips	450
Total:	28,710
(Student contribution estimated as \$500 each)	(4,500)
Total requested from the IRA	24,210

5. Sources of additional support.

The Keiki Kohola project will provide access to its research vessel, logistic support and most of the field equipment required by the students.

This represents an in-kind donation of around \$2000 per student, based on current equivalent Earthwatch-type programs, which charge for participation in this type of project.

Monitoring equipment will be provided by Keiki Kohola Project. Dr. Gillespie will provide additional equipment for field measurements from his research laboratory.

Students will also be involved in fund raising activities after the trip. Planned activities include the sale of photography and t. shirts. Production costs of these items will be covered by the Keiki Kohola Project. Profits generated will primarily be donated to offset the carbon footprint of the trip.

Application
Instructionally Related Activities Funds Request
2009-2010 Academic Year

ACTIVITY BUDGET FOR 2010- 2011

1. Operating Expense Budget

A. Lodging	Self catering condos Total - \$5000
B. Vendor Printing	_____
C. In-State Travel	Shuttle to LAX – 460 _____
D. Out-of-State Travel	Roundtrip LAX – Maui: 11 X 750 = 8250
E. Equipment Rental	Additional research vessel 4 days = \$2000, minivan rental - \$800
F. Equipment Purchase	_____
G. Contracts/Independent Contractors	_____
H. Honorarium	_____
I. OPC Chargeback	_____
J. Copier Chargeback	_____
K. Other (Please Specify)	(See above). _____
TOTAL Expenses	_____ \$28710

2. Revenue

A. Course Fees	4500
B. Ticket Sales	
C. Out of Pocket Student Fees (exclusive of course fees)	
D. Additional Sources of Funding	<u>Additional support from local non profit, Field Equipment to be supplied by Chemistry dept</u>
E. Requested Allocation from IRA	
 Total Revenue	 24,210

Attachment 1 – Appendix

Habitat Choice in Hawaii's humpback whales – Proposed research for Spring '11.

We are pleased to inform the IRA committee that results from the first two years of this project are currently in review for publication. As mentioned in our outline, the results are compelling and demonstrate a clear response to vessel traffic by female-calf humpback whales that use this area as a key breeding ground. We attach the abstract and key figures below.

For the students involved over the last two trips, the experience of seeing their work translated into a published research study that directly addresses a key management issue in this region is certainly noteworthy. Beyond this, the study will establish the presence of CSUCI within the marine mammal research community, but perhaps most importantly, this study will make a real and tangible contribution to the conservation of humpback whales in this region, by providing accurate and up to date information that is directly applicable to the management of this critical region.

Experience gained in the previous years of operation allow us to continue to develop this field experience; undoubtedly students responded very positively to the inclusion of additional cultural activities and we intend to build this portion of the field trip. Students also continue to request more focused instruction before the trip. Pre -trip student activities this year will therefore focus on the research protocols that they will be using while in the field, so that they are fully equipped with the pre-requisite skills. While this request perhaps reflects the diverse backgrounds of students applying for the trip, we feel that this accessibility for students with little or no field experience is one of the trips strengths.

Please find attached the abstract for our manuscript. Note, Kevin Eden is a student author who participated in the trip in Spring 10.

Fine scale changes in habitat use in response to vessel activity within the critical breeding habitat of a migratory mysticete, the humpback whale (*Megaptera novaeangliae*).

*Cartwright, R.^{1,2}, LaBonte, K.^{1,2}, Gillespie, B.^{1,2}, Eden, K.^{1,2} and Sullivan, M.³

*Corresponding author: rachel.cartwright@csuci.edu

Running Title: Habitat preference in female-calf humpback whales

Abstract

The impact of vessel traffic and other human activity on wildlife has long been a subject of scientific inquiry, especially in areas where economically lucrative human activities overlap with critical habitat for endangered or recovering species. The Au'au channel between the islands of Maui and Lanai, Hawaii represents such a region. This protected channel comprises critical breeding habitat for humpback whales (*Megaptera novaeangliae*) of the Central North Pacific stock, however it is also the focus of a flourishing local whale watching industry. Our study focuses on fine scale trends in female-calf habitat preference within this region and reveals that while mysticete female-calf pairs within breeding regions typically favor shallow, inshore waters, these waters are under-utilised in this locale. Regions between 2-4 km from the shoreline and water depths between 40-60 m comprise preferred habitat, with further shifts offshore seen in areas of high vessel traffic. While this may have few consequences for the adult portion of the population, energetically conservative behavioural strategies that characterize maternal mysticetes in breeding regions may be compromised by this habitat shift. These differential impacts of anthropogenic activities on specific age and gender cohorts of a population warrant targeted management to ensure that the quality of critical habitat is maintained.

Figure 5: Distribution of humpback whales along the eastern shoreline of the Au'au Channel.





TRAVEL AUTHORIZATION

C.I.T # _____

389

☐ Employee

☐ Volunteer

Gillespie

Last Name

Blake

First Name

Chemistry / x 2796

Department/Extension

Mary Devins

Prepared By

x3253

Extension

16-Dec-10

Date of Request

Departure Date: 3/19/11

Return Date: 3/27/11

Destination: Maui, HI

Purpose: UNIV 391 Habitat Choice in Hawaii's Humpback Whales IRA and Course Fee Funded

***Travel for Blake Gillespie plus 9 students

Transportation Approved

☐ Air

☐ Personal Car

☐ Rental Car

☐ Other _____

Registration--Check any meals provided as part of registration fee--Please attach agenda at supervisor's request

In the Expense Estimates section, do NOT estimate meal expense for any meal included in registration fee

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Breakfast							
Lunch							
Dinner							

Expense Estimates

Meals

\$ 41.00

Air Fare*

\$ 900.00

Registration Fees**

\$ -

Mileage

..... x \$0.50

\$ -

Lodging

\$2,500.00

Miscellaneous (taxis, parking, tolls, etc.)

\$ -

Car Rental

\$ 400.00

Total Trip Estimate

\$3,841.00

Adjusted trip estimate less any limits or restrictions

* Airfare other than coach class must be pre-approved by CSUCI President.

** Registration fees may be paid in advance of travel with a check request or use of Procurement card.

Supervisor Comments/Restrictions:

Account	Fund*	Dept	Program	Class	Project	Amount
Chartfield 606002	TK910	827	90320			\$19,470.00
Chartfield 606002	GD920	827	90320			\$4,950.00

Traveler Signature

ASSISTANT PROFESSOR

Title

12/20/10

Date

Supervisor Signature

Title

Date

Division Approval Signature (V.P. or designee) - if required

Title

Date

International Travel

All travel outside of the United States must be approved in advance by the CSUCI President

Travel Approved

President's Signature

Date

US State Department Meal Rate Approved

☐ Yes

☐ No

http://aoprals.state.gov/web920/per_diem.asp

President's Signature



<http://www.csuci.edu/ira/index.htm>

Application
Instructionally Related Activities Funds Request
2010-2011 Academic Year
DEADLINE: Fall and Academic Year 3/31/10
Spring TBD

Applications must first be sent to the appropriate program chair. Chairs will then recommend and route them to the Dean's Office for review and authorization. The Dean's Office will then forward them to the IRA Committee for consideration.

Activity Title: Habitat Choice in Hawaii's Humpback whales
An interdisciplinary field based research and service learning opportunity.

Project Sponsor/Staff (Name/Phone): Rachel Cartwright 805 437 2635
 Blake Gillespie 805 437 2404

Activity/Event Date(s): March 19th – 26th 2011

Date Funding Needed By: Spring 2011

**Please Note that for Fall Requests the earliest that you will be notified of funding availability will be early June 2010 and for Spring Requests early January 2011.

Please check if any of the following apply to your IRA:

- | | |
|--|---|
| <input checked="" type="checkbox"/> Equipment Purchase | <input checked="" type="checkbox"/> Field Trip |
| <input type="checkbox"/> Event | <input type="checkbox"/> Participant data collection for public dissemination, i.e. interviews/surveys that result is a journal/poster session/newsletter |
| <input type="checkbox"/> IT Requirements | <input type="checkbox"/> Risk Management Consultation |
| <input type="checkbox"/> International Travel | <input type="checkbox"/> Late Submission |
| <input type="checkbox"/> Space/OPC Requirements | |
| <input type="checkbox"/> Infrastructure/Remodel | |
| <input type="checkbox"/> Other _____ | |

Previously Funded: XYES ☐NO Yes, Request # 3 – previous trips ran in 2009 and 2010.

Does your proposal require IRB (Institutional Review Board) approval: No

Assessment submitted for previously Funded Activity: ☐YES

Academic Program or Center Name and Budget Code: Biology / chemistry

Date of Submission: October 2010

Amount Requested:

Estimated Number of Students Participating: 9

Application
Instructionally Related Activities Funds Request
2010-2011 Academic Year

Conditions and Considerations

Equipment Purchase-If requesting large equipment, Project Sponsor must show proof of correspondence with OPC Administration. In addition, all other purchases must follow Procurement Guidelines

Events-Attach copy of Events and Facilities Use Request Form (Public Folders-Events & Facilities folder) Consider time frame for set-up and take down.

Participant Data Collection for Public Dissemination-If Project Sponsor proposes to conduct research with human participants then it may be subject to IRB (Institutional Review Board for the Protection of Human Subjects) review. It is the Project Sponsor's responsibility to inquire with the IRB **prior** to IRA application submission to determine if the project is exempt from IRB review so that funding is not delayed. Please indicate on the cover page if your project is exempt from IRB review.

Field Trip-If approved, Identified Risks of Participation and Release Agreement must be submitted for each student to the Program Office (Public Folders-HR Forms).

IT Requirements-Requires proof of correspondence and approval from IT Administration

International Travel-Requires International Travel application be submitted to Center for International Affairs.

Risk Management Consultation-Requires proof of correspondence with Risk Management.

Space/OPC Requirements, Infrastructure/Remodel-Requires proof of correspondence with OPC Administration .

Late Submission - Requires explanation for emergency funding.

Fiscal Management: Project Sponsor's program will be responsible for all costs incurred over and above what is funded through the IRA award and will be responsible for seeing that any revenue that is intended to offset the amount of the IRA award is transferred accordingly.

Application
Instructionally Related Activities Funds Request
2010-2011 Academic Year

Requirements and Signatures

Please provide the following in your application:

1. **Brief Activity Description.** Describe the activity and its relationship to the educational objectives of the students' program or major.
2. **Relation to IRA to Course Offerings.** All IRAs must be integrally related to the formal instructional offerings of the University and must be associated with scheduled credit courses. Please list all classes that relate to the program proposed.
3. **Activity Assessment.** Describe the assessment process and measures that the program will use to determine if it has attained its educational goals. **Please note a report will be due at the end of the semester.**
4. **Activity Budget.** Please enclose a complete detailed budget of the entire Activity **bold** specific items of requested IRA funding. (Page 4)
5. **Sources of Activity Support.** Please list the other sources of funding, and additional support for the activity.
7. **Acknowledgment.** Project Sponsor and Program Chair acknowledge that they have reviewed and accepted the Conditions and Considerations detailed on page 2.

Signatures and Dates

Project Sponsor, 10/28/10
Date

Program Chair/Director 10/28/10
Date

Dean of the Faculty 11/03/10
Date

Habitat Choice in Hawaii's Humpback whales
A field based research and service learning opportunity for Science Majors.

1. Brief Description:

This field trip is a continuation of a research experience and service learning project that ran for the first time in spring '09 and for a second time in March 2010. The course provides students with the opportunity to participate in a conservation-based research study, associated outreach activities and to experience first-hand the unique culture of the Hawaiian Islands.

The field trip runs over spring break each year; 9 enrolled students will head to Maui, Hawaii, where they will be working with a local research organization, the Keiki Kohola Project. This is a non-profit research organization that includes experienced field biologists, local boat captains and naturalists. Our students will join this research team and participate in the all aspects of their on-going study of habitat preference within this critical habitat.

Pre-trip Preparation

Prior to the trip we will meet with students on a weekly basis. At these meetings, students will receive a comprehensive introduction to the behavioral ecology of large cetaceans, and the research methodology that is used in field research of this nature. Students will work in small teams to develop a detailed understanding of a particular research task assigned to them. They will then be responsible, as student mentors, for teaching fellow team members to accurately gather the data in question and for the post trip analysis of this data.

Field Activities

Whilst on the islands, students will meet with representatives from other local NGO's, local management officials from the Hawaiian Island Humpback Whale National Marine Sanctuary, and other researchers who are active in the conservation arena in the region. These different entities will inform our students on the politics and the practicalities of the unique challenges of marine management and conservation. Through first hand experiences on the water, combined with the information the students will gain from these meetings, students will gain a very realistic picture of the current conservation challenges that face this region.

Student Participation in Research Dissemination

Additionally, students involved in the project will participate in a variety of media projects planned for this year that aim to publicize the remarkable results that we have compiled from this project to date. These results present a compelling picture of a region where human activity, in the form of vessel traffic, is heavily impacting the critical habitat of this endangered species. A documentary of the project is being prepared for broadcast on a local Hawaiian television. We are working on bringing an exhibition of project-related humpback whale photography and artwork to the Channel Islands Gallery, and we plan to encourage students to participate in the production of this show. Most importantly, the crux of our recent findings is that human activity has a clear impact on whale behavior in the Au'au channel; the students will be challenged with how to present this information *outside* the normal science-dissemination channel. How can our results be communicated to the public and whale-watching industry in a way that respects the role of each in endangered species management?

The Research and Student Capstone Projects

In previous years, students have researched and produced synopses on a wide variety of management issue impacting this region, from outreach activities to underwater noise. Many of the participating students have subsequently chosen to continue these studies, incorporating their work into capstone and other independent research projects. We see this as one of the most valuable outcomes of the course, as students voluntarily pursue their own original interests, alongside the contribution that they make to the larger research effort. This year, we will again encourage students to develop their own areas of interest, and to actively research these areas during their time on the island. On completion of the trip, students will be invited to present these studies on the Keiki Kohola Project website (www.caringforcalves.org) and to include these studies in their end of year research presentations at the Sage Research Forum.

Student-centered Improvements in the Course

In response to student feedback from previous years, we plan to include several cultural experiences as part of the trip: students will take a hike through the rainforest to a waterfall. A local guide will lead the trip, and give the students an overview of Maui's biogeography, plant and animal life. Guided visits to a number of cultural sites around the island will develop the human dimension of the project, highlighting the relationship of Hawaiian native culture to the ocean, and the impact of western culture on native traditions. The traditional Hawaiian Luau we attended last year was very popular with the students, and provides an interesting counterpoint to the students' 'local' experience. These activities are crucial; research must have a context to be meaningful and we are as dedicated to showing the students *why* we do research as much as *how*.

Taken together, these activities will ensure that their experience is well rounded and reaches beyond their own immediate disciplines and interests. This year we are particularly keen to encourage students from the arts program and English majors to participate in the course. Several inquiries from students in these majors have already been received. We plan to augment this by advertising the trip across the university, to ensure that all interested students have the opportunity to apply.

2. Relation of IRA to existing course offerings

Students who participate in the course will:

- Design experiments to test scientific hypotheses, collate data, conduct statistical analyses and evaluate research outcomes.
- Gain first-hand experience in problem solving – always a component of field research which involves animals in their natural setting.
- Identify topic appropriate research materials, synthesize information from a variety of sources and gain experience in effective communication of results in a variety of media.
- Develop communication skills and the ability to work as an effective team member in a diverse cultural setting
- Use analytic and data collection equipment in situ.
- Work as part of federally permitted research team, and contribute to ongoing efforts for the conservation of a federally listed, endangered species.

The content of the course as outlined addresses the larger program objectives of the Biology and Chemistry departments, as well as many of the specific objectives of Chemistry and Biology 492/494 courses.

Students will enroll in one of a number of potential courses, underscoring the interdisciplinary nature of the training and research. Biology students will enroll in either Biol 492 or 494, chemistry students will enroll in either Chem 492 or 494; in either case the course can fulfill a major requirement. Additionally, chemistry majors may substitute this course for Chem 251, Quantitative Analysis Lab. Students from other majors, for example ESRM, will be encouraged to enroll in any of these classes for credit as well. The goal is to involve students from diverse majors so that each can enrich the educational benefit of the other.

The work covered in the course complements a range of other biology and chemistry courses, including Behavioral Ecology (Biol 407), Marine Biology (312), Science and Public Policy (Biol 345) Quantitative Methods in Biology (Biol 203), Environmental Chemistry (Chem 301) and Quantitative Analysis (Chem 250/ 251).

Biology and chemistry students are already actively involved in a related laboratory based research project, under the supervision of the applicants (Chem/Bio 494), which explores the dietary and behavioral implications of blubber stratification and the ontogeny of neonate muscle tissues. The field course proposed here provides a practical, field based extension of this work and as we develop a core of students who are experienced in marine mammal studies such as this, we will be well –placed for extending this work to include more local settings, with a regional focus on the marine mammal populations of the Santa Barbara Channel.

3. Activity assessment

The course assessment will comprise two components, related to its two key deliverables:

1. Student research projects will be assessed according to a rubric that measures their engagement with research planning and preparation, design and subsequent data analysis; grades will be assigned based on this rubric.
2. The topics-based component of the course will be assessed not only by the instructors, but by members of the target audience for the different media as well, using a voluntary survey form.

The students will also complete a self evaluation of both their research and their outreach activities using a rubric that they develop at the beginning of the term.

4. Activity budget.

(Costs are based on 9 students and 2 instructors)

Roadrunner shuttle to LAX		460
Flights	11 x 750	8250

Accommodation 7 nights

(Accommodation will be in two adjoining self catering duplexes)

Total accommodation: 5000

Transport – SUV for 8 days + airport shuttles 800

Food (all self catering – budget \$100 per person) 1100

Research activities:

Additional Vessel hire 4 days 2000

(The Keiki Kohola Project has a small research vessel, which would be used in the project, however a second vessel would be required (see Attachment 2 for further details / explanation)

Insurance *(additional liability insurance to cover students on research boat)* 2500

Vessel running costs (Captains stipends, boat fuel, dock fees) 4500
(On boat days when two vessels are out on the water, we will require two licensed captains - total 10 boat days – 250 per day is a typical stipend for captains)

Equipment required – SRL camera and lens 1650
(As students will be on two different boats, an additional camera will be required. It needs to be sufficient to operate at high shutter speeds, we need to obtain a high resolution image and we need a long lens (300m). Previously, we have used loan cameras from the library, however these are not compatible with the research software and also they do not meet the required performance standards outlined).

Context-building activities
speaker fees, guide costs, luau costs 2000

Commercial whale watching trips 450

Total: 28,710

(Student contribution estimated as \$500 each) (4,500)

Total requested from the IRA 24,210

5. Sources of additional support.

The Keiki Kohola project will provide access to its research vessel, logistic support and most of the field equipment required by the students.

This represents an in-kind donation of around \$2000 per student, based on current equivalent Earthwatch-type programs, which charge for participation in this type of project.

Monitoring equipment will be provided by Keiki Kohola Project. Dr. Gillespie will provide additional equipment for field measurements from his research laboratory.

Students will also be involved in fund raising activities after the trip. Planned activities include the sale of photography and t. shirts. Production costs of these items will be covered by the Keiki Kohola Project. Profits generated will primarily be donated to offset the carbon footprint of the trip.

Application
Instructionally Related Activities Funds Request
2009-2010 Academic Year

ACTIVITY BUDGET FOR 2010- 2011

1. Operating Expense Budget

A. Lodging	Self catering condos Total - \$5000
B. Vendor Printing	_____
C. In-State Travel	Shuttle to LAX - 460 _____
D. Out-of-State Travel	Roundtrip LAX - Maui: 11 X 750 = 8250
E. Equipment Rental	Additional research vessel 4 days = \$2000, minivan rental - \$800
F. Equipment Purchase	_____
G. Contracts/Independent Contractors	_____
H. Honorarium	_____
I. OPC Chargeback	_____
J. Copier Chargeback	_____
K. Other (Please Specify)	_____ (See above).
TOTAL Expenses	_____ \$28710

2. Revenue

A. Course Fees	4500
B. Ticket Sales	
C. Out of Pocket Student Fees (exclusive of course fees)	
D. Additional Sources of Funding	<u>Additional support from local non profit, Field Equipment to be supplied by Chemistry dept</u>
E. Requested Allocation from IRA	
 Total Revenue	 24,210

Attachment 1 – Appendix

Habitat Choice in Hawaii's humpback whales – Proposed research for Spring '11.

We are pleased to inform the IRA committee that results from the first two years of this project are currently in review for publication. As mentioned in our outline, the results are compelling and demonstrate a clear response to vessel traffic by female-calf humpback whales that use this area as a key breeding ground. We attach the abstract and key figures below.

For the students involved over the last two trips, the experience of seeing their work translated into a published research study that directly addresses a key management issue in this region is certainly noteworthy. Beyond this, the study will establish the presence of CSUCI within the marine mammal research community, but perhaps most importantly, this study will make a real and tangible contribution to the conservation of humpback whales in this region, by providing accurate and up to date information that is directly applicable to the management of this critical region.

Experience gained in the previous years of operation allow us to continue to develop this field experience; undoubtedly students responded very positively to the inclusion of additional cultural activities and we intend to build this portion of the field trip. Students also continue to request more focused instruction before the trip. Pre -trip student activities this year will therefore focus on the research protocols that they will be using while in the field, so that they are fully equipped with the pre-requisite skills. While this request perhaps reflects the diverse backgrounds of students applying for the trip, we feel that this accessibility for students with little or no field experience is one of the trips strengths.

Please find attached the abstract for our manuscript. Note, Kevin Eden is a student author who participated in the trip in Spring 10.

Fine scale changes in habitat use in response to vessel activity within the critical breeding habitat of a migratory mysticete, the humpback whale (*Megaptera novaeangliae*).

*Cartwright, R.^{1,2}, LaBonte, K.^{1,2}, Gillespie, B.^{1,2}, Eden, K.^{1,2} and Sullivan, M.³

*Corresponding author: rachel.cartwright@csuci.edu

Running Title: Habitat preference in female-calf humpback whales

Abstract

The impact of vessel traffic and other human activity on wildlife has long been a subject of scientific inquiry, especially in areas where economically lucrative human activities overlap with critical habitat for endangered or recovering species. The Au'au channel between the islands of Maui and Lanai, Hawaii represents such a region. This protected channel comprises critical breeding habitat for humpback whales (*Megaptera novaeangliae*) of the Central North Pacific stock, however it is also the focus of a flourishing local whale watching industry. Our study focuses on fine scale trends in female-calf habitat preference within this region and reveals that while mysticete female-calf pairs within breeding regions typically favor shallow, inshore waters, these waters are under-utilised in this locale. Regions between 2-4 km from the shoreline and water depths between 40-60 m comprise preferred habitat, with further shifts offshore seen in areas of high vessel traffic. While this may have few consequences for the adult portion of the population, energetically conservative behavioural strategies that characterize maternal mysticetes in breeding regions may be compromised by this habitat shift. These differential impacts of anthropogenic activities on specific age and gender cohorts of a population warrant targeted management to ensure that the quality of critical habitat is maintained.

Figure 5: Distribution of humpback whales along the eastern shoreline of the Au'au Channel.





Channel Islands
CALIFORNIA STATE UNIVERSITY

389

TRAVEL EXPENSE CLAIM (TEC)

Must be submitted within 30 days of the end of travel

C.I.T. # _____

☒ Employee ☐ Applicant ☐ Volunteer ☐ Non-Employee ☐ Student (Waiver on File)

TRAVELER'S NAME Rachel Cartwright		RESIDENCE ADDRESS 5277 W Wolley Road		CITY/STATE/ZIP CODE Oxnard, CA 93035	
HEADQUARTERS ADDRESS One University Drive		HEADQUARTERS CITY/STATE/ZIP Camarillo, CA 93012		TRAVELER'S PHONE NO. 437-2635	
DEPARTMENT 720/BIOL		POSITION Lecturer		DATE PREPARED 4/1/11	
DEPARTURE DATE 03/12/11	DEPARTURE TIME (AM/PM) 6:00 AM	RETURN DATE 03/27/11	RETURN TIME (AM/PM) 10:00 PM	FORM PREPARED BY Mary Devins	EXTENSION 3253
					DELIVERY OPTIONS SELECT ONE: Mail Check <input checked="" type="checkbox"/> Pickup Check <input type="checkbox"/>

SAME-DAY TRAVEL

DATE	DESTINATION	LODGING	MEALS (Taxable*)			INCIDENTALS	REGISTRATION**	COST OF TRANS.	TYPE USED	CARFARE TOLLS PARKING	PRIVATE CAR USE		OTHER TRAVEL EXPENSE	TOTAL EXPENSES FOR DAY
			Breakfast	Lunch	Dinner						MILES	AMOUNT		
		N/A		N/A		N/A						-		-

OVERNIGHT TRAVEL

DATE	DESTINATION	LODGING	MEALS			INCIDENTALS	REGISTRATION**	COST OF TRANS.	TYPE USED	CARFARE TOLLS PARKING	PRIVATE CAR USE		OTHER TRAVEL EXPENSE	TOTAL EXPENSES FOR DAY
			Breakfast	Lunch	Dinner						MILES	AMOUNT		
03/15/11	Maui					N/A						-	147.70	147.70
03/16/11	Maui											-	173.05	173.05
03/19/11	Maui											-	738.29	738.29
03/25/11	Maui											-	675.00	675.00
03/26/11												-	1,800.00	1,800.00
												-		-
												-		-
												-		-
												-		-
SUBTOTAL		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00	-	\$0.00	\$3,534.04	\$3,534.04

LESS AMOUNT PREVIOUSLY PAID BY CI														
LESS ANY OTHER ADJUSTMENTS	Comments:													
													AMOUNT DUE TRAVELER	\$3,534.04

Source of Funding: (Please verify chartfields before submitting to AP)

Account	Fund	Dept	Program	Class	Project	Amount
606002	GD920	827	90320			1059.04
606003	TK910	827	90320			2475.00
606003						

PURPOSE OF TRIP, REMARKS, AND DETAILS: Attach original receipts to 8.5" X 11" paper and submit with claim (Please do not use acronyms)	Total Amount	\$3,534.04
--	--------------	------------

UNIV 391 Habitat of Hawaii's humpback whales. IRA and Course Fee supported.

NORMAL WORK DAYS & HOURS
PRIVATE VEHICLE LICENSE
MILEAGE RATE CLAIMED
0.500 (If different see instructions)

I HEREBY CERTIFY that I was authorized to travel and the above is a true statement of the travel expenses incurred by me in accordance with the applicable California State University policies and CI policies, and that all items shown were for the official business of The California State University. If a privately owned vehicle was used, and if mileage rate exceeds the minimum rate, I certify that the cost of operating the vehicle was equal to or greater than the rate claimed, and that I have met the requirements as prescribed by SAM Sections 0750, 0751, 0753, and 0754 pertaining to vehicle safety and seat belt usage. Furthermore, I HEREBY CERTIFY that I will not seek reimbursement for a duplicate claim or from any other source.

CLAIMANT'S PRINTED NAME	CLAIMANT'S SIGNATURE <i>Rachel Cartwright</i>	DATE 4-6-11
MANAGER'S PRINTED NAME Dan Wakelee, Associate Dean	MANAGER'S SIGNATURE <i>Dan Wakelee</i>	DATE 4-13-11
DIVISION APPROVAL PRINTED NAME (VP OR DESIGNEE)-if required	DIVISION APPROVAL SIGNATURE	DATE



RUSH

PO #:

Procurement use only

Date: 1/20/2011

Requestor Name:

Mary Devins

Phone:

x3253

Dept #/Name:

for 827

* Delivery Date:

3/19/2011

Quote #:

(Please attach all quotes)

Matching rules:

☒ 2-way ☐ 3-way

* E-mail copies to:

mary.devins@csuci.edu

receiving@csuci.edu

Receiving instructions:

Bldg:

Rm #:

Taxed Subtotal

606002	Accommodations for 7 nights	ea	1	\$4,805.63	\$4,805.63	606002	TK910	827	90320		
	The Maui Mandalay				\$0.00						
					\$0.00						
	Balance was due 1/19/11				\$0.00						
					\$0.00						
					\$0.00						

Check one: ☐ MEA ☐ CMAS
☐ Contract proposal attached

Subtotal

\$4,805.63

Comments:

Tax

\$0.00

Accommodations for 11. UNIV 391 02

Shipping

100

Habitat of Hawaii's Humpback Whales

Total

\$4,805.63

Print name/Signature

IT/OPC Mgr (if required)

If order is IT related: An approval signature must be obtained.

Chair/Dept. Budget:

Dean/Director:

Division VP/Designer ✓

President (if required) _____

* required

PAYEE DATA RECORD

(Required in lieu of IRS W-9 when doing business with the State of California)

STD 204 (Rev. 2-2000)

Note: Governmental Entities, federal, state, and local (including school districts) are not required to submit this form.

SECTION 1 must be completed by the requesting state agency before forwarding to the payee

1 PLEASE RETURN TO:	DEPARTMENT/OFFICE CSU Channel Islands	PURPOSE: Information contained in this form will be used by state agencies to prepare Information Returns (Form 1099) and for withholding on payments to nonresident vendors. Prompt return of this fully completed form will prevent delays when processing payments. (See Privacy Statement on Page 2)
	STREET ADDRESS One University Drive	
	CITY, STATE, ZIP CODE Camarillo, CA 93012	
	TELEPHONE NUMBER (805) 437-8400	

2	PAYEE'S BUSINESS NAME Pomaika'i Family LLC
236 West Portal Avenue No. 521	
MAILING ADDRESS (Number and Street or P.O. Box Number)	
(CITY, STATE, and ZIP CODE) San Francisco, CA 94127	

3 PAYEE ENTITY INFORMATION	CHECK ONE BOX ONLY <input type="checkbox"/> LEGAL CORPORATION <input type="checkbox"/> MEDICAL CORPORATION <input type="checkbox"/> EXEMPT CORPORATION (Non-profit) <input checked="" type="checkbox"/> ALL OTHER CORPORATIONS FEDERAL EMPLOYER'S IDENTIFICATION NUMBER (FEIN) 20-2973281	NOTE: State and local governmental entities, including school districts are not required to submit this form. NOTE: Payment will not be processed without an accompanying taxpayer I.D. number.
	<input type="checkbox"/> INDIVIDUAL SOLE PROPRIETOR SOCIAL SECURITY NUMBER OWNER'S FULL NAME	

4 PAYEE RESIDENCY STATUS	CHECK APPROPRIATE BOX(ES) <input checked="" type="checkbox"/> California Resident - Qualified to do business in CA or a permanent place of business in CA. <input type="checkbox"/> Nonresident (See Page 2). Payments for services by nonresidents may be subject to state withholding. <input type="checkbox"/> WAIVER OF STATE WITHHOLDING FROM FRANCHISE TAX BOARD ATTACHED <input checked="" type="checkbox"/> SERVICES PERFORMED OUTSIDE OF CALIFORNIA	NOTE: a. An estate is a resident if decedent was a California resident at time of death. b. A trust is a resident if at least one trustee is a California resident. (See Page 2)

5 CERTIFYING SIGNATURE	I hereby certify under penalty of perjury that the information provided on this document is true and correct. If my residency status should change, I will promptly inform you.		
	AUTHORIZED PAYEE REPRESENTATIVE'S NAME (Type or Print) Rowena Frost		TITLE Agent
	SIGNATURE	DATE 1/18/2011	TELEPHONE NUMBER 415-244-3125

Devins, Mary

From: Rowena de Jesus [mauimandalay@mac.com]
Sent: Thursday, January 20, 2011 1:54 PM
To: Devins, Mary
Cc: Rowena de Jesus
Subject: Payee Data Request Form and Invoice
Attachments: Payee Data Record std204-1.pdf; ATT00001.txt; INVOICE-CartwrightCSU3.pdf; ATT00002.txt

Hello Ms. Devins,

Thank you for accepting the attached form by email.

Also attached is an invoice for the full amount of Mr. Gillespie and Ms. Cartwright's reservation at Maui Mandalay. We will issue a refund in Mr. Gillespie's credit card shortly after our office receives the full payment for their stay. Please note that the balance on the invoice was due yesterday, January 19, 2011. We appreciate your efforts in trying to process the payment immediately so we can confirm and finalize their reservation.

Please do not hesitate to contact me at my cell, 415/ 244-3125, should you have any questions.

Sincerely,
Rowena
MAUI MANDALAY
Guest Services
Tel: 415/ 742-0678
Fax: 415/ 682-4011



The Maui Mandalay

Invoice

Guest: Ms. Rachel Cartwright / CA State University Channel Islands
Address: 1 University Drive Camarillo, CA 93012
Telephone: 805/ 982-0638 (Ms. Cartwright, cell)
E-mail Address: rachel.cartwright@csuci.edu

Reservation Information:

Arrival: March 19, 2011
Departure: March 27, 2011
No. of Nights: 7
Rate: \$545 per night

Date: 01/20/11

236 West Portal Ave. No. 521
San Francisco, CA 94127
tel: 415/ 742-0678
fax: 415/ 682-4011

Description	Rate	Cost
Subtotal for 7 Nights:	\$545.00	\$3,815.00
Hawaii State Tax	4.166%	\$158.93
Accommodations Tax	9.251%	\$352.93
Processing Fee:		\$93.77
Cleaning Charges:	\$385	\$385.00
TOTAL		\$4,805.63
Full Payment (Due: 01/19/11)		\$4,805.63

Note: Kindly forward the signed contract within 24 hours in order to secure the reservation.

Cancellation Policy: Please note that this is a privately owned and operated vacation rental that depends on early cancellations. Please review the guest application for the cancellation policy. We highly recommend travel insurance.

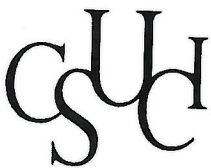
Confirmation: A confirmation along with directions to the Villa will be sent shortly after we process your payment.

Credit card payments: Please provide us the credit card information in the Rental Agreement. Please note that there will be a 1.99% processing fee added to the balance.

Payments by check: If you prefer, you may send a check instead of using a credit card to avoid the processing fee. Please remit by the due date to the following:

Pomaika'i Family LLC
236 West Portal Ave. No. 521
San Francisco, CA 94127

Mahalo nui loa for choosing Maui Mandalay!



TRAVEL EXPENSE CLAIM (TEC)

C.I.T. # _____

Must be submitted within 30 days of the end of travel

☒ Employee☐ Applicant☐ Volunteer☐ Non-Employee☐ Student (waiver on file)

TRAVELER'S NAME Blake Gillespie		RESIDENCE ADDRESS 723 W. Arellaga Street		CITY/STATE/ZIP CODE Santa Barbara, CA 93101	
HEADQUARTERS ADDRESS One University Drive		HEADQUARTERS CITY/STATE/ZIP Camarillo, CA 93012		TRAVELER'S PHONE NO. x2796	DEPARTMENT 781
DEPARTURE DATE 3/19/10	DEPARTURE TIME (AM/PM) 6A	RETURN DATE 3/28/10	RETURN TIME (AM/PM) 10pm	FORM PREPARED BY: Mam Devins	POSITION Assoc Prof
EXTENSION 3253				DATE PREPARED 6/14/10	
DELIVERY OPTIONS SELECT ONE: Mail Check <input checked="" type="checkbox"/> Pickup Check <input type="checkbox"/>					

SAME-DAY TRAVEL

DATE	DESTINATION	LODGING	MEALS (Taxable*)			INCIDENTALS	REGISTRATION	COST OF TRANS.	TYPE USED	TRANSPORTATION		BUSINESS EXPENSE	TOTAL EXPENSES FOR DAY
			Breakfast	Lunch	Dinner					CARFARE TOLLS PARKING	PRIVATE CAR USE MILES		
		NA		NA		NA						0.00	\$0.00

OVERNIGHT TRAVEL

DATE	DESTINATION	LODGING	MEALS			INCIDENTALS	REGISTRATION	COST OF TRANS.	TYPE USED	CARFARE TOLLS PARKING	PRIVATE CAR USE		BUSINESS EXPENSE	TOTAL EXPENSES FOR DAY
			Breakfast	Lunch	Dinner						MILES	AMOUNT		
3/21/10	Mau					N/A								
3/27/10												0.00	6.20	\$6.20
3/28/10												0.00	31.92	31.92
4/2/10												0.00	56.60	56.60
												0.00	37.79	37.79
												0.00		0.00
												0.00		0.00
SUBTOTAL		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00	0	\$0.00	\$132.51	\$132.51
LESS AMOUNT PREVIOUSLY PAID BY CSUCI														
LESS ANY OTHER ADJUSTMENTS														0.00

Source of Funding: (Please verify chartfields before submitting to AP)

AMOUNT DUE TRAVELER

\$132.51

Account	Fund	Dept	Program	Class	Project	Amount
6060003	6D920	827				
6060002	TK910	720	90271			38.12
						94.40
*606803						

PURPOSE OF TRIP, REMARKS, AND DETAILS: Attach original receipts to 8.5" X 11" paper and submit with claim

Total Amount

\$132.52

Claim for gas, food, supplies from UNIV 391
Habitat of Hawaii's Humpback Whales, an IRA
and course fee supported trip.

NORMAL WORK DAYS & HOURS

PRIVATE VEHICLE LICENSE

MILEAGE RATE CLAIMED

0.500

(If different see instructions)

I HEREBY CERTIFY that the above is a true statement of the travel expenses incurred by me in accordance with the applicable California State University procedures and CSUCI minimum rate, I certify that the cost of operating the vehicle was equal to or greater than the rate claimed, and that I have met the requirements as prescribed by SAM Sections 0750, 0751, 0753, and 0754 pertaining to vehicle safety and seat belt usage.

CLAIMANT'S PRINTED NAME

BLAKE GILLESPIE

CLAIMANT'S SIGNATURE

DATE

6/14/10

MANAGER'S PRINTED NAME

Dan Wakelee, Associate Dean

MANAGER'S SIGNATURE

DATE

6/28/10

DIVISION APPROVAL PRINTED NAME (VP OR DESIGNEE)-if required

DIVISION APPROVAL SIGNATURE

DATE



Lahaina Divers
a beautiful experience like none other

143 Dickenson Street
Lahaina, HI 96761

Invoice # 137676

No Customer

Employee: Gwen Cesere

Created: 3/21/2010 8:42:41 AM

3/21/2010 8:42:42 AM

Qty	Stock #	Price
1	SILICONE GREASE	\$5.95
SEASPORTS SILICONE GREASE 1/4 OZ		

Sub-Total	\$5.95
G E T	\$0.25
Total	\$6.20
Master Card	\$6.20

Thank you for diving with Lahaina Divers!

www.lahainadivers.com

(800) 998-3483

LAHAINA DIVERS
143 DICKENSON STREET STE 100
LAHAINA, HAWAII 96761
(800) 998-3483
WWW.LAHAINADIVERS.COM

Merchant ID: 8847

Term ID: 18847570

Ref #: 0009

Sale

XXXXXXXXXXXX5678

MASTERCARD Entry Method: Swiped

Total: \$ 6.20

03/21/10 08:42:29

Inv #: 000009 Appr Code: 789778

Apprvd: Online Batch#: 000211

Customer Copy

THANK YOU!
PLEASE COME AGAIN!

3/21/10



Store #22 Lahaina
808-661-0975
876 Front Street
Lahaina, HI 96761

1 -BY 2% MILK	\$4.79 FM
1 ALL 2X FREE CLEAR LIQ DE	\$3.99 M
1 CF MARBLE JACK SHREDS	\$6.99 FM
1 KLG FROST MINI WHEAT BIT	\$3.99 FM
1 SCOTT 1000BATH TISSUE WHT	\$5.89 M
1 KONA BREW FIRE ROCK PALE	\$9.99 M
1 BOTFEENFS) 0.36	\$0.36
1 KONA BREW LONGBOARD LAGE	\$9.99 M
1 BOTFEENFS) 0.36	\$0.36
1 EZ ROASTER BAKER	\$4.19

Subtotal	\$50.54
HI Tax	\$2.08
Amount Due	\$52.62

MasterCard	\$52.62
Purchase \$ 52.62	- 20.70

Master Card #SXXXXXXXXXX5378
Auth # 70391B Exp Date **/**
Lane # 03 Checker # 103
03/27/10 19:04 Ref/Seq # 035560
Mrch=661500 Term=001 IC=CC
E

31.92

Change \$0.00

Maikai #: 42218154930

Previous Maikai Balance:	59.67
New Maikai Points:	29.84
New Maikai Balance:	89.51

Total Maikai Savings Today:
\$12.80

Thank You. Come Again.

Receipt Required For Refund.

Cashier: MEI

Date	Time	Lane	Clerk	Trans#
03/27/10	07:04 PM	003	103	423974

3/27/10

NOTICE: DO NOT SIGN BEFORE READING THIS AGREEMENT OR IF ANY SPACES INTENDED FOR AGREED TERMS ARE LEFT BLANK. RETAIN THIS COPY. YOU MAY AT ANY TIME PAY OFF THE FULL UNPAID BALANCE UNDER THIS AGREEMENT.
I HEREBY ACKNOWLEDGE RECEIPT OF A COMPLETED EXECUTED COPY OF THIS AGREEMENT, INCLUDING THE CURRENT TERMS OF THE CREDIT CARD AGREEMENT REFERENCED ON THE REVERSE SIDE.

BUYER'S SIGNATURE

X

THE TERMS OF THIS AGREEMENT ARE CONTAINED ON BOTH SIDES OF THIS PAGE.

SHELL 10:22
281 DICKINSON STREET INV # 942748
LAHAINA AUTH# 807108
2 REGULAR HI RETH 27442067008
S 14.7856 \$3.829 \$56.61
TAX \$0.00 TOTAL \$56.61

SELLER

SELLER'S ID



CUSTOMER COPY

3/28/10

LAHAINA SHELL
711 MILL ST.
LAHAINA, HI 96761

23 DICKINSON STREET
LAHAINA HI
27442067008

04/2/10 09:46:16
BILL SPIE/DAVID B
MASTERCARD Acct#
XXXX XXXX XXXX 5678

RCPT# 6-3875
CV# 961862
Auth# 093908

PUMP# 4
REGULAR 9.869G
SELF
PRICE/GAL \$3.829
FUEL TOTAL \$37.79
TOTAL \$37.79

Shell Nitrogen
Shell Gasolines.
Making you get
the most out of
every drop!

MAHALO NUI LOA
PLEASE COME AGAIN

4/2/10

Application
Instructionally Related Activities Funds Request
2009-2010 Academic Year
DEADLINE: Fall and Academic Year 3/15/09
Spring 10/15/10

Activity Title: Habitat Choice in Hawaii's Humpback whales
A field based research and service learning opportunity for Science Majors.

- 1 -

Application
Instructionally Related Activities Funds Request
2009-2010 Academic Year

Conditions and Considerations

Equipment Purchase-If requesting large equipment, Project Sponsor must show proof of correspondence with OPC Administration. In addition, all other purchases must follow Procurement Guidelines

Events-Attach copy of Events and Facilities Use Request Form (Public Folders-Events & Facilities folder) Consider time frame for set-up and take down.

Participant Data Collection for Public Dissemination-If Project Sponsor proposes to conduct research with human participants then it may be subject to IRB (Institutional Review Board for the Protection of Human Subjects) review. It is the Project Sponsor's responsibility to inquire with the IRB prior to IRA application submission to determine if the project is exempt from IRB review so that funding is not delayed. Please indicate on the cover page if your project is exempt from IRB review.

Field Trip-If approved, Identified Risks of Participation and Release Agreement must be submitted for each student to the Program Office (Public Folders-HR Forms).

IT Requirements-Requires proof of correspondence and approval from IT Administration

International Travel-Requires International Travel application be submitted to Center for International Affairs.

Risk Management Consultation-Requires proof of correspondence with Risk Management.

Space/OPC Requirements, Infrastructure/Remodel-Requires proof of correspondence with OPC Administration .

Late Submission (Deadlines: Fall 3/14, Spring 10/15)-Requires explanation for emergency funding.

Fiscal Management: Project Sponsor's program will be responsible for all costs incurred over and above what is funded through the IRA award and will be responsible for seeing that any revenue that is intended to offset the amount of the IRA award is transferred accordingly.

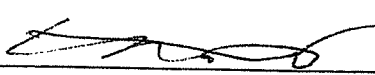
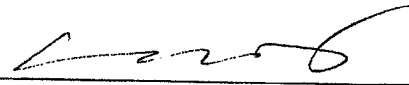
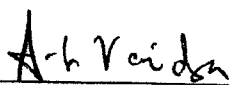
Application
Instructionally Related Activities Funds Request
2009-2010 Academic Year

Requirements and Signatures

Please provide the following in your application:

1. **Brief Activity Description.** Describe the activity and its relationship to the educational objectives of the students' program or major.
2. **Relation to IRA to Course Offerings.** All IRAs must be integrally related to the formal instructional offerings of the University and must be associated with scheduled credit courses. Please list all classes that relate to the program proposed.
3. **Activity Assessment.** Describe the assessment process and measures that the program will use to determine if it has attained its educational goals. **Please note a report will be due at the end of the semester.**
4. **Activity Budget.** Please enclose a complete detailed budget of the entire Activity **bold** specific items of requested IRA funding. (Page 4)
5. **Sources of Activity Support.** Please list the other sources of funding, and additional support for the activity.
7. **Acknowledgment.** Project Sponsor and Program Chair acknowledge that they have reviewed and accepted the Conditions and Considerations detailed on page 2.

Signatures and Dates

 Project Sponsor	Rana Cartwright 4/24/09 Date
 Program Chair/Director	4/24/09 Date
 Dean	4/27/09

Habitat Choice in Hawaii's Humpback whales
A field based research and service learning opportunity for Science Majors.

1. Brief Description:

This field trip is a continuation of a research experience and service learning project that ran for the first time in spring '09. The course provides students with the opportunity to participate in a conservation-based research study and associated outreach activities.

The field trip will run over spring break '10; enrolled students will head to Maui, Hawaii, where they will be working with a local research organization, the Keiki Kohola Project. This is a non profit research organization that includes experienced field biologists, local boat captains, naturalists and student volunteers from the Marine Options program, at Maui Community College. Our students will join the research team and participate in the all aspects of their on going study of habitat utilization dynamics.

Students will also plan their own complementary research projects. Prior to the trip we will meet with students on a weekly basis. Students will work in small teams to develop specific research questions, relating to the abiotic factors that affect the region, such as water quality issues, and anthropogenic activities within the study area. Results obtained from the previous year's research will be used in planning the new questions to be addressed. Students will plan and design their own experiments and these will then be incorporated into their activities during the field trip.

Whilst on the islands, students will meet with representatives from local NGO's, local management officials from the Hawaiian Island Humpback Whale National Marine Sanctuary, and other researchers who are active in the conservation arena in the region. These different entities will inform our students on the politics and the practicalities of the unique challenges of marine management and conservation. Through first hand experiences on the water, combined with the information the students will gain from these meetings, students will gain a very realistic picture of the current conservation challenges that face this region.

As a constituent component of the course each student will research and produce a synopsis on a different management issue that is impacting the area, addressing issues such as the impacts of vessel traffic, sonar and climate change on marine mammals. The students will be expected to provide a web page layout, a poster and / or a fact sheet that summarizes the most accurate and up to date information on their topic. The web pages will be uploaded to the existing research website (www.caringforcalves.org). The posters will be displayed at the local national marine sanctuary, and at local public awareness events, such as Whale Quest, an annual event based on Maui, and the fact sheets will be compiled into booklets and distributed to boat captains and naturalists that work in the local whale watching industry. Every year some 1.2 million visitors to Hawaii and many take a whale watching trip. Naturalists and boat captains' onboard whale watching vessels become the frontline in public education and, while most are well versed in basic humpback whale ecology; recent and newly published information is not available to them. Our students' contributions will address this directly.

The content of the course as outlined addresses the larger program objectives of the Biology and Chemistry departments, as well as many of the specific objectives of Chemistry and Biology 492/494 courses.

Students who participate in the course will:

- Design experiments to test scientific hypotheses, collate data, conduct statistical analyses and evaluate research outcomes.
- Gain first hand experience in problem solving – always a component of field research which involves animals in their natural setting.
- Identify topic appropriate research materials, synthesize information from a variety of sources and gain experience in effective communication of results in a variety of media.
- Develop communication skills and the ability to work as an effective team member in a diverse cultural setting
- Use analytic and data collection equipment in situ.
- Work as part of federally permitted research team, and contribute to ongoing efforts for the conservation of a federally listed, endangered species.

2. Relation of IRA to existing course offerings

Students will enroll in one of a number of potential courses, underscoring the interdisciplinary nature of the training and research. Biology students will enroll in either Biol 492 or 494, chemistry students will enroll in either Chem 492 or 494; in either case the course can fulfill a major requirement. Additionally, chemistry majors may substitute this course for Chem 251, Quantitative Analysis Lab. Students from other majors, for example ESRM, will be encouraged to enroll in any of these classes for credit as well. The goal is to involve students from diverse majors so that each can enrich the educational benefit of the other.

The work covered in the course complements a range of other biology and chemistry courses, including Behavioral Ecology (Biol 407), Marine Biology (312), Science and Public Policy (Biol 345) Quantitative Methods in Biology (Biol 203), Environmental Chemistry (Chem 301) and Quantitative Analysis (Chem 250/ 251).

Biology and chemistry students are already actively involved in a related laboratory based research project, under the supervision of the applicants (Chem/Bio 494), which explores the dietary and behavioral implications of blubber stratification and the ontogeny of neonate muscle tissues. The field course proposed here provides a practical, field based extension of this work. Taken cumulatively, the university will be well placed to address the current lack of active, ongoing research in marine mammals in this region. Gray whale mother and calf pairs use our offshore waters as a migratory corridor, humpback whales now regularly feed in the Santa Barbara Channel and a wide variety of dolphins and porpoises reside in the channel year round; these populations all offer related areas of further research that could be explored in the years to come, and incorporated into additional course- related and interdisciplinary activities.

3. Activity assessment

The course assessment will comprise two components, related to its two key deliverables:

1. Student research projects will be assessed according to a rubric that measures their engagement with research planning and preparation, design and subsequent data analysis; grades will be assigned based on this rubric.

2. The topics-based outreach component of the course will be assessed not only by the instructors, but by members of the target audience for the different media as well, using a voluntary survey form.

The students will also complete a self evaluation of both their research and their outreach activities using a rubric that they develop at the beginning of the term.

4. Activity budget. **Bold** items included in this IRA request.

(Costs are based on 9 students and 2 instructors)

Roadrunner shuttle to LAX	460
Flights 11 x 750	8250
Accommodation 8 nights	
(Accommodation will be in two adjoining self catering duplexes)	
Total accommodation:	5000
Transport – SUV for 8 days + airport shuttles	800
Food (all self catering – budget \$100 per person)	1100
Research activities:	
Additional Vessel hire 4 days	2000
(The Keiki Kohola Project has a small research vessel, which would be used in the project, however a second vessel would be required (see Attachment 2 for further details / explanation)	
Insurance (additional liability insurance to cover students on research boat)	2500
Vessel running costs (Captains stipends, boat fuel, dock fees)	3000
Speakers fees	800
Cultural on island activities (Luau, locally guided hikes)	1100
Commercial whale watching trips	450
Total:	25,460
(Student contribution estimated as \$500 each)	
Total requested from the IRA	20,960

5. Sources of additional support.

The Keiki Kohola project will provide access to its research vessel, logistic support and most of the field equipment required by the students.

This represents an in-kind donation of around \$2000 per student, based on current equivalent Earthwatch-type programs, which charge for participation in this type of project.

Production of outreach materials, web-hosting, posters, and booklets will be provided by the Keiki Kohola Project.

Onboard photographic and basic monitoring equipment will be provided by Keiki Kohola Project. Dr. Gillespie will provide additional equipment for field measurements from his research laboratory.

Students will also be involved in fund raising activities after the trip. Planned activities include the sale of photography and t. shirts. Production costs of these items will be covered by the Keiki Kohola Project. Profits generated will primarily be donated to offset the carbon footprint of the trip.

ACTIVITY BUDGET FOR 2009-2010

A. Lodging	Self catering condos
	Total - \$5000
B. Vendor Printing	_____
C. In-State Travel	Shuttle to LAX - 400 _____
D. Out-of-State Travel	Roundtrip LAX - Maui: 11 X 750 = 8250
E. Equipment Rental	Additional research vessel 4 days = \$2000, minivan rental - \$800
F. Equipment Purchase	_____
G. Contracts/Independent Contractors	_____
H. Honorarium	_____
I. OPC Chargeback	_____
J. Copier Chargeback	_____
K. Other (Please Specify)	(See above). _____

A. Course Fees	<u>4500</u>
B. Ticket Sales	<u> </u>
C. Out of Pocket Student Fees (exclusive of course fees)	<u> </u>
D. Additional Sources of Funding	<u>Additional support from local non profit, Field Equipment to be supplied by Chemistry dept</u>
E. Requested Allocation from IRA	

- 8 -

Attachment 1 – Appendix

Habitat Choice in Hawaii's humpback whales – Proposed research for Spring '10.

The research project that our students will be participating in looks at how abiotic factors influence habitat choice in humpback whales, during their wintertime residence in the waters of Hawaii. This field trip will comprise our second trip to Maui to participate in this project and will build on the success of this year's trip, both in terms of obtaining the data require to answer our research question, and in terms of establishing the presence of CSUCI within the marine mammal research community.

Experience gained in the first year of operation will be invaluable in the planning and execution of the second year's activities. Feedback from students that participated this year has been carefully considered and several changes have been made to next year's schedule. For example, although the main focus of this field trip remains the active involvement of students in conservation based research, we will also include a range of cultural activities to provide the students with a more informed and broad based experience of Hawaii and its culture. Planned activities will include a luau, and a series of hikes led by local guides. These will focus on culturally relevant regions of the island and the guides will be able to give our students some first hand insight into the nature of the islands and the close connection between the Hawaiian culture and land management issues.

Students that participated this year were extremely conscientious in data collection, collation and data input. This was all completed on a regular daily basis and will facilitate the prompt publication of the results obtained. Next year we will include additional computer hardware and software in our field equipment, so that we can complete more extensive data analysis on site and we plan to use appropriate software, such as Arc View, that can be set up in advance of the trip. Also, we found that students were more than ready to start research early each day, and trade off to a second team at mid day. Planning for this schedule will increase our field time, allow us to use a single boat some days, but still maximize our data collection. This schedule will also allow students time to participate in a range of land-based cultural activities, as mentioned.

The Keiki Kohola Project is a grass roots organization that works within the local Maui community and within the local marine mammal research community. Consequently, as our students are incorporated into this project, they are similarly assimilated into these local communities. The students that participated in the trip this year were excellent ambassadors for our university and represented the best of CSUCI students. We hope to build on this promising start and nurture these community connections, through a continued and consistent research effort and a yearly field presence on the water.

From a research perspective, we are making excellent progress. Our initial results clearly indicate that female and calf humpback whale pairs are not using the shallow, inshore waters within the study region and that sets them apart from all other baleen whales in nursery regions such as this. This study therefore addresses a very relevant and timely management issue within this region. We plan to submit our initial results for publication this summer, and we are confident that as we continue with this work we will attract positive attention for the contribution our students are making in this field, and potential outside funding, for the continuation of this work.



Must be submitted within 30 days of the end of travel

☒ **Employee**
☐ Applicant
 ☐ Volunteer
 ☐ Non-Employee
 ☐ Student (Waiver on File)

SAME-DAY TRAVEL														
DATE	DESTINATION	LODGING	MEALS (Taxable*)			INCIDENTALS	REGISTRATION**	TRANSPORTATION				OTHER TRAVEL EXPENSE	TOTAL EXPENSES FOR DAY	
			Breakfast	Lunch	Dinner			COST OF TRANS.	TYPE USED	CARFARE TOLLS PARKING	PRIVATE CAR USE			
											MILES	AMOUNT		
		N/A		N/A		N/A						-		-

DATE	DESTINATION	LODGING	MEALS			INCIDENTALS	REGISTRATION**	COST OF TRANS.	TYPE USED	CARFARE TOLLS PARKING	TRANSPORTATION		OTHER TRAVEL EXPENSE	TOTAL EXPENSES FOR DAY
			Breakfast	Lunch	Dinner						PRIVATE CAR USE MILES	AMOUNT		
03/28/10	Maui					N/A		707.17	R				-	707.17
													-	-
													-	-
													-	-
													-	-
													-	-
													-	-
													-	-
													-	-
SUBTOTAL		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	707.17		\$0.00	-	\$0.00	\$0.00	707.17
LESS AMOUNT PREVIOUSLY PAID BY CI														
LESS ANY OTHER ADJUSTMENTS			Comments:				REGISTRATION			OTHER				0.00

AMOUNT DUE TRAVELER	\$707.17
---------------------	----------

Account	Fund	Dept	Program	Class	Project	Amount
606002	TK910	720	90271			707.17

Total Amount	\$707.17
--------------	----------

NORMAL WORK DAYS & HOURS			
--------------------------	--	--	--

PRIVATE VEHICLE LICENSE

MILEAGE RATE CLAIMED	
----------------------	--

0.500 (If different see instructions)

I HEREBY CERTIFY that I was authorized to travel and the above is a true statement of the travel expenses incurred by me in accordance with the applicable California State University policies and CI policies, and that all items shown were for the official business of The California State University. If a privately owned vehicle was used, and if mileage rate exceeds the minimum rate, I certify that the cost of operating the vehicle was equal to or greater than the rate claimed, and that I have met the requirements as prescribed by SAM Sections 0750, 0751, 0753, and 0754 pertaining to vehicle safety and seat belt usage. Furthermore, I HEREBY CERTIFY that I will not seek reimbursement for a duplicate claim or from any other source.

CLAIMANT'S PRINTED NAME

Blake Gillespie

MANAGER'S PRINTED NAME

Dan Wakelee

DIVISION APPROVAL PRINTED NAME (VP OR DESIGNEE)-if required

~~Dennis Murrells~~

CLAIMANT'S SIGNATURE

MANAGER'S SIGNATURE

DIVISION APPROVAL SIGNATURE

DATE _____

DATE 11/11/11

DATE _____

00001
NNNN-NNNN-NNNN-NNNN

Citi® Dividend Platinum Select® Card

Account Number: 5424 1808 7020 5678
www.citicards.com

Customer Service: 1-800-950-5114
BOX 6000 THE LAKES, NV 89163-6000

Summary of Account Activity	
Previous Balance	\$11,750.75
Payments	-\$300.00
Other Credits	-\$80.17
Purchases	+\$2,986.27
Balance Transfers	+\$0.00
Cash Advances	+\$0.00
Fees Charged	+\$0.00
Interest Charged	+\$230.68
New Balance	\$14,587.53
Past Due Amount	\$0.00
Amt. Over Credit Limit	\$0.00

Credit Limit	\$27,500
Available Credit	\$12,912
Cash Advance Limit	\$15,000
Available Cash Limit	\$12,912
Statement Closing Date	04/23/2010
Days In Billing Cycle	30

Payment Information		
Payment must be received by 5:00 PM local time on the payment due date.		
New Balance		\$14,587.53
Minimum Payment Due		\$352.62
Payment Due Date		05/21/2010
Late Payment Warning: If we do not receive your minimum payment by the date listed above, you may have to pay up to a \$39 late fee and your APRs may be increased up to the variable Penalty APR of 29.99%.		
Minimum Payment Warning: If you make only the minimum payment each period, you will pay more in interest and it will take you longer to pay off your balance. For example:		
If you make no additional charges using this card and each month you pay...	You will pay off the balance shown on this statement in about...	And you will end up paying an estimated total of...
Only the minimum payment	30 year(s)	\$37,841
\$542	3 year(s)	\$19,513 (Savings= \$18,328)
If you would like information about credit counseling services, call 1-877-337-8187.		

Sale Date	Post Date	Reference Number	Activity Since Last Statement	Amount
4/04	4/20	R9850136	Payments, Credits & Adjustments	
	4/04	VHCJB4X2	ELECTRONIC PAYMENT-THANK YOU	
	4/23		SPEEDISHUTTLE KAHULUI HI	-300.00
			INTEREST BACK CREDIT EARNED	-57.11
				-23.06
3/22	3/25	TJGDC665	Standard Purch	
3/24	3/25	BS44GQ*8	BEST WESTERN PIONEER I LAHAINA HI	16.00
3/25	3/25	YX44GQ*8	WALERS GENL STORE #54 LAHAINA HI	16.70
3/27	3/27	KRJT6H7	WALERS GENL STORE #54 LAHAINA HI	10.77
3/27	3/27	9HPYLT30	FOODLAND LAHAINA LAHAINA HI	52.62
3/28	3/28	GFBF9NGW	PROGRESSIVE INS 800-888-7764 OH	189.09
3/28	3/28	KZBC2VPT	KAANAPALI TAXI MAUI IN 808-276-7954 HI	45.00
3/28	3/28	RLOF04X2	ENTERPRISE RENT-A-CAR KAHULUI HI	8.80
3/28	3/28	KRMXXLXF	AIRPORTS LA 8669807275 CA	56.61
3/28	3/28	7LLMB4X2	SHELL OIL 274420670QPS LAHAINA HI	63.61
3/29	3/29	R4MCC8B8	SPEEDISHUTTLE KAHULUI HI	38.79
3/29	3/29	L1DKGQ*8	MONSOON INDIA KIHEI HI	10.98
3/29	3/29	L7ZKT4K2	WALERS GENL STORE #54 LAHAINA HI	16.67
3/30	3/30	RMZ5F665	BOSS FROGS DIVE SHOP LAHAINA HI	83.32
3/30	3/30	CLX5D6G5	HAWAIIAN SLACK KEY GUI 808-669-3858 HI	50.74
3/31	3/31	SN1YC*Y4	BEST WESTERN PIONEER I LAHAINA HI	20.00
3/31	3/31	LPP5D665	HAWAIIAN SLACK KEY GUI 808-2807143 HI	37.86
3/31	3/31	OPBCD000	CHARLEY S RESTAURANT PAIA HI	112.60
3/31	3/31	R539J*PW	SANSEI KAPALUA LAHAINA HI	220.00
4/01	4/01	50*MMWD3	PROTEIN SOCIETY THE BETHESDA MD	85.00
4/01	4/01	176RT6H7	PROTEIN MEETING ABSTRA 301-6347277 MD	17.88
4/02	4/02	SYGMC*Y4	FOODLAND LAHAINA LAHAINA HI	32.81
4/02	4/02	63ZZFMXF	LULUS LAHAINA SURF & G LAHAINA HI	37.79
4/02	4/02	KKW0D4X2	SHELL OIL 274420670QPS LAHAINA HI	57.11
4/02	4/02	ODWPH*Y4	SPEEDISHUTTLE KAHULUI HI	13.54
			ALOHA MIXED PLATE LAHAINA HI	

SEND PAYMENTS TO: CITI CARDS PO BOX 688901 DES MOINES, IA 50368-8901
PLEASE FOLLOW PAYMENT INSTRUCTIONS ON REVERSE SIDE.

46042N

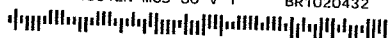
www.citicards.com

15424180870205678999999352625201

5424 1808 7020 5678

MAY 21 2010 \$14587.53 \$352.62

46042N MCS 00 V 1 BR1020432

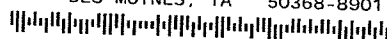


DAVID B GILLESPIE
723 W ARRELLAGA ST
SANTA BARBARA

CA 93101-4116

()
New Home Phone ()
New Business Phone

CITI CARDS
PO BOX 688901
DES MOINES, IA 50368-8901



*If you provide an e-mail address, we may use it to contact you about your account. We may also use your e-mail address to send you information about products and services you might find useful.

ENTER PIN OR SIGNATURE NUMBER AT ALL ABOVE *

ENTERPRISE CAR RENTAL

369HIFAL09AIR PAGE 1 of 4

MD 06:00 AM - 10:00 PM TU 06:00 AM - 10:00 PM WE 06:00 AM - 10:00 PM
TH 06:00 AM - 10:00 PM FR 06:00 AM - 10:00 PM SA 06:00 AM - 10:00 PM
SU 06:00 AM - 10:00 PM

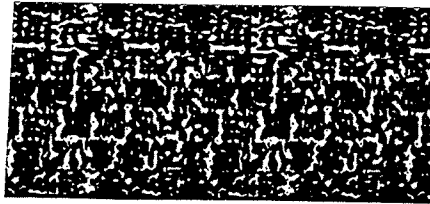
96732-2350 (80B) 071 6582

RA 107017880

I.D. #

RENTAL
AGREEMENT NO.

DAVID



VEHICLE \$16.41/HOUR
\$68.94/DAY
\$344.72/WEEK

\$49.24/EXTRA DAY

NO CHARGE MILEAGE

waived
Add driver fee

83.94/day

PHONE

EXT.

REQUIRED BY LAW, NONE PERMITTED WITHOUT OWNER'S

Michel Cartwright

TO DRIVE VEHICLE FOR ME AND ON MY BEHALF, I AM RESPONSIBLE, AND FOR FULFILLING TERMS AND CONDITIONS OF THIS VEHICLE BY AN UNAUTHORIZED DRIVER WILL AFFECT MY

IN THE STATE OF RENTAL AND THE FOLLOWING STATE(S):

WILL AFFECT YOUR LIABILITY AND RIGHTS UNDER THIS AGREEMENT.

RENTER ACCEPTS OPTIONAL COLLISION
DAMAGE WAIVER (CDW) AT FEE SHOWN
IN COLUMN TO RIGHT. SEE COLLISION
DAMAGE WAIVER NOTICE TO LEFT AND
PAGE 3, PARAGRAPH 16. COLLISION
DAMAGE WAIVER IS NOT INSURANCE.

RENTER: X

\$16.99/DAY

RENTER ACCEPTS OPTIONAL PERSONAL
ACCIDENT INSURANCE/PERSONAL
EFFECTS COVERAGE (PAI/PEC) AT FEE
SHOWN IN COLUMN TO RIGHT. SEE
OPTIONAL PRODUCTS NOTICE TO LEFT
AND PAGE 3, PARAGRAPH 18.

RENTER: X

\$5.00/DAY

COVERAGE (PAI/PEC) SEE PAGE 2,
PARAGRAPH 9 AND 10.

RENTER: X *Declines PAI/PEC*

RENTER ACCEPTS OPTIONAL SUPPLEMENTAL
LIABILITY PROTECTION (SLP) AT FEE
SHOWN IN COLUMN TO RIGHT. SEE
OPTIONAL PRODUCTS NOTICE TO LEFT
AND PAGE 3, PARAGRAPH 17.

RENTER: X

\$11.99/DAY

RENTER DECLINES OPTIONAL SUPPLEMENTAL
LIABILITY PROTECTION (SLP) SEE PAGE 2,
PARAGRAPH 17.

RENTER: X *Declines SLP*

ACKNOWLEDGMENT OF THE ENTIRE AGREEMENT, WHICH CONSISTS OF PAGES 1 THROUGH 4.

I HAVE READ AND AGREE TO THE TERMS AND CONDITIONS ON PAGES 1 THROUGH 4 OF THIS AGREEMENT AND BY MY SIGNATURE BELOW I AM THE 'RENTER' UNDER THIS AGREEMENT. BY SIGNING BELOW, I AM AUTHORIZING OWNER TO PROCESS CHARGES ON MY CREDIT CARD(S) AND/OR DEBIT CARD(S) FOR ADVANCE DEPOSITS, INCREMENTAL AUTHORIZATIONS/DEPOSITS, AND CHARGES INCURRED, AS WELL AS PAYMENTS REFUSED BY A THIRD PARTY TO WHOM BILLING WAS DIRECTED. I CERTIFY THAT THE DRIVER'S LICENSE(S) PRESENTED IS CURRENTLY VALID AND IS NOT SUSPENDED, EXPIRED, REVOKED, CANCELLED OR SURRENDERED.

FUEL CHARGE \$5.71/GALLON

GENERAL EXCISE TAX 4.17%
CFC \$1.00/DAY
ARPT CONCESSION FEE @ 11.11%
RENT TAX \$3.00/DAY
VLF \$0.56/DAY

REPLACEMENT VEHICLE

RENTER: *[Signature]* DATE 03/19/2010

OWNER: *[Signature]* EMPLOYEE # 5616H

I WILL RETURN CAR BY: DATE 03/28/2010 02:00 PM DEPOSIT(S): \$665.05 *****5678 03/19/2010

ADDITIONAL INFORMATION

*VLF IS EQUAL TO OR LESS THAN 1/365TH OF THE
RENTED VEHICLE'S ANNUAL VEHICLE LICENSE FEE

TOTAL CHARGES

DEPOSITS

REFUNDS

AMOUNT DUE

CLOSED BY

PAID BY	CASH	CHECK	CHARGE
RECEIPT OF CASH REFUND	DATE	AMOUNT	RECEIVED BY