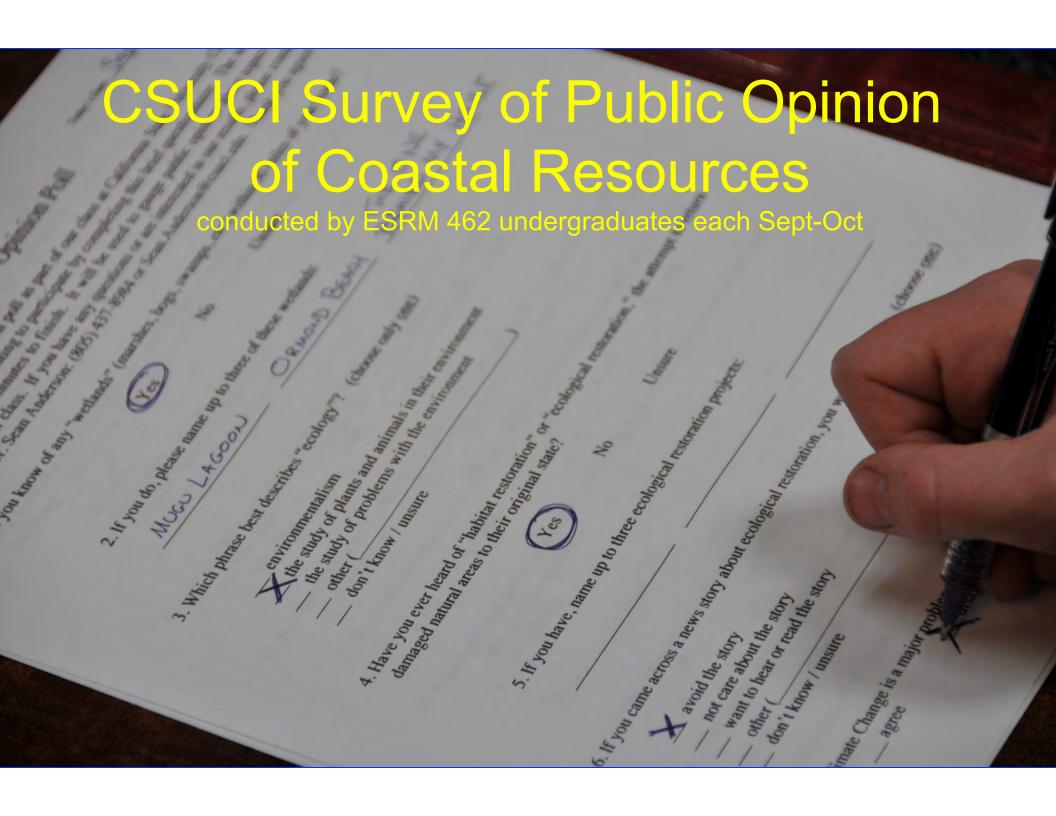


Environmental Science and Resource Management Program California State University Channel Islands

How do we engage a more diverse community with RPS?



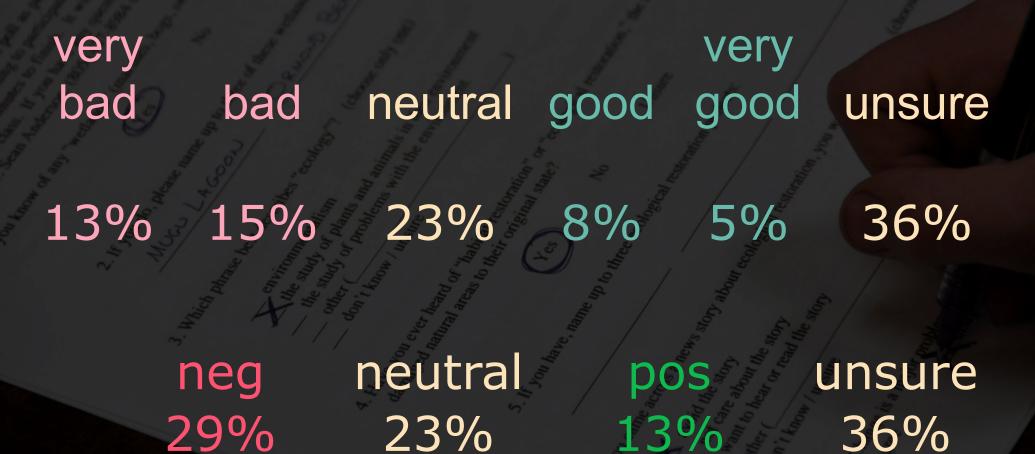
CSUCI Survey of Public Opinion of Coastal Resources

conducted by ESRM 462 undergraduates each Sept-Oct

The potential use of small, private aerial drones in coastal CA would be:

Drone Perception

>1,300 people in SB, Ventura & LA Counties, Sept 2014



true concern





CALIFORNIA STATE UNIVERSITY CHANNEL ISLANDS ADMINISTRATIVE POLICY MANUAL

Academic Affairs
Approved By: Richard R. Rush
President

Policy Number: AA.01.005 Effective Date: 11/4/13 Page 1 of 4

Policy on Use of Unmanned Aerial Systems

PURPOSE:

To provide guidance concerning the appropriate operation of and uses for unmanned aerial systems related to academic endeavors at California State University Channel Islands (CI).

BACKGROUND:

Unmanned aerial systems offer great potential as tools for research and teaching. The use of UASs can offer students at CI valuable experience in a range of disciplines including Applied Physics, Computer Science, Environmental Science and Resource Management (ESRM), and Mathematics. In addition to experience associated with programming/flying UASs, students can benefit from the design, selection, and operation of sensors and from the post-processing and analyses of sensor data. Use of UASs can provide students and faculty access to relevant data from the region to enhance projects within existing courses (e.g. environmental monitoring, image processing, pattern recognition, electronics), enable undergraduate capstone and Master's thesis projects, and permit research to answer significant academic and practical questions.

POLICY:

Accountability:

Provost / Vice President for Academic Affairs

Applicability:

All faculty, staff and currently enrolled students at CSU Channel Islands

Definition(s):

COA – Certificate of Authorization

FAA – Federal Aviation Administration

UAS - Unmanned Aerial System

sUAS - small Unmanned Aerial System

Text:

This policy applies to fixed wing and rotor vehicles operated without a human pilot onboard, by CSU Channel Islands faculty, staff or students, in the course of scholarly or academic endeavors.

 Unmanned Systems Board – The Unmanned Systems Board (Board) will be comprised of faculty and administration and operate in a manner similar to the Institutional Research Board

Policy_UAS_APPROVED.doc

confront issues directly

CALIFORNIA STATE UNIVERSITY CHANNEL ISLANDS: AIR AND AQUATIC ROBOT RESEARCH

CSUCI's unmanned systems research team blog

Menu

More ROV modifications!

(December 7, 2014

A hearty hello from the ROV team! We have some updates for you. All of our current ROVs are completed, the most recent, the trigger fish is functioning well, we will be epoxying the camera to waterproof it, and then all will be ready for quantitative ability testing.

tools & opportunities for all

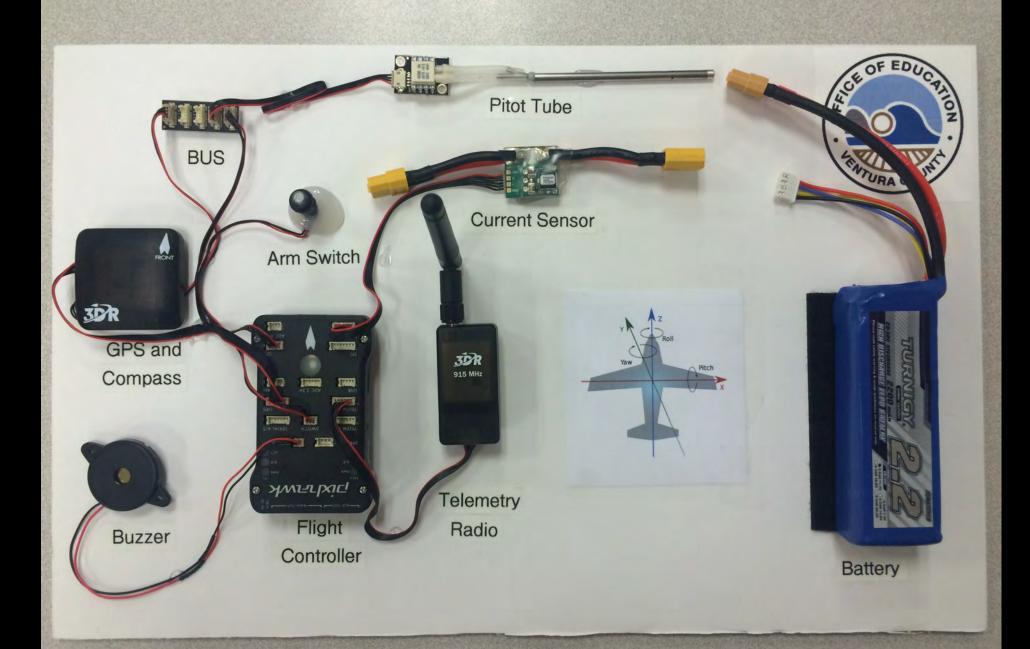






Cook
Islands
"prep"
ESRM 483





AAUS as model

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@ SEARCH

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QUICKLINKS

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- Donate to Foundation
- Scholarships
- Board Members & Committees
- Diving Standards





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How do we engage a more diverse community with RPS?

Stay in touch..

Sean Anderson

ESRM Program
CSU Channel Islands

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http://faculty.csuci.edu/sean.anderson/



Current Projects

Ecological Restoration

- Ormond Beach Restoration
- Indicators of Coastal Salt Marsh Functioning
- Calleguas Creek and Riparian Restoration
- Woodlands Trail and Park Monitoring (Louisiana)
- Eastern Anatolian Wetland Restoration (Turkey)

Sustainable Fisheries

 Coastal California Seafood Sustainability Survey

Non-native Invasive Species

- New Zealand Mudsnail Sentinel Monitoring
- Woodlands Trail and Park Monitoring (Louisiana)
- Seasonal Rhinitis and Invaded California Grasslands

Historical Ecology

- California Mountain Lion
 Management
- Historic Oak Woodland Management
- Seasonal Rhinitis and Invaded California Grasslands

Habitat Fragmentation

Ventura County Road Kill Survey

Anderson Lab Research



Most of my formal training is in marine population biology, coastal ecology, and the management of coastal communities and their associated biological resources. Over the past few years my research has migrated shoreward and upland, shifting somewhat to emphasize the design, practice, and assessment of ecological restoration projects. While I have worked in a variety of subtidal, intertidal, and terrestrial systems, my current work emphasizes coastal systems (particularly coastal salt marsh and coastal river/riparian systems) and ways to improve their