

14 MAY 27 P1:55



ADMINISTRATION  
PROCUREMENT OFFICE  
STATE OF HAWAII

**STATE PROCUREMENT OFFICE  
NOTICE & REQUEST FOR SOLE SOURCE**

**RUSH** 14 MAY 21 A7:47  
ADMINISTRATION  
STATE PROCUREMENT OFFICE  
STATE OF HAWAII

TO: Chief Procurement Officer  
FROM: DLNR, DOFAW, Kauai NARS  
*Name of Requesting Department*

Pursuant to HRS §103D-306 and HAR chapter 3-122, Subchapter 9, the Department requests sole source approval to purchase the following:

1. Describe the goods, services, or construction to be procured.  
Using remote sensing to map target invasive plants which degrade watersheds is necessary for successful management. DLNR, DOFAW Kauai wishes to contract Resource Mapping for flying aerial surveys of DOFAW managed lands on Kauai. The survey will target over 6,000 acres of land in both the Kuia NAR and the Hono O Na Pali NAR. The Kauai NARS program will use this data to determine specific invasive weeds as well as for future surveys. Specifications for flights may vary based on biochemical or structural attributes of target plants. This data will be added to the Kauai NARS program's data base of lands currently under management. In accordance with the "Rain Follows the Forest Initiative", these surveys are part of a larger watershed-wide effort to map invasive threats across the landscape.

2. Vendor/Contractor/Service Provider Name: Resource Mapping LLC	3. Amount of Request: \$69,960 Fed. (DG020312-445)
4. Term of contract (shall not exceed 12 months), if applicable:  From: <u>1-Jul-14</u> To: <u>1-Jul-15 6/30/15</u> <i>CEO 6/3/14</i>	5. Prior SPO-001, Sole Source (SS) No.:  <u>09-055-D</u>

6. Describe in detail the following:  
a. The unique features, characteristics, or capabilities of the goods, service or construction.  
Different technologies are available for mapping invasive plants, Resource Mapping uses extremely high resolution cameras (<1 sq cm) combined with multispectral imagery at a lower resolution. Some plant species can be mapped with the multispectral technology which is able to detect a specific 'signature' of light wave reflectance unique to that plant species. Other plants such as Australian tree fern do not have a unique signature and require the high resolution visible light imagery for detection. Resource Mapping is the only company operating in Hawaii that offers this specific service for high accuracy weed mapping. These methods have been tested and refined on the island of Kauai taking into consideration local conditions that are not present on the mainland. Per acre costs have already been negotiated with Resrouce Mapping by the Kauai NARS program. These funds have been budgeted for under the Domestic Grant 12-DG-11052021-203.  
b. How the unique features, characteristics or capabilities of the goods, service or construction are essential for the department

7. Describe the efforts and results in determining that this is the only vendor/contractor/service provider who can provide the goods, services or construction.

Invasive plants threaten much of state managed forest lands. Monitoring the spread of invasive plants and detecting new populations is necessary to effectively manage this threat. Resource Mapping provides the most cost-effective way of acquiring this important data. Ground surveys require extensive staff time for acquiring this data and are unfeasible in many areas where access is limited. The acquisition of accurate maps/imagery will allow managers to more effectively manage large areas of state land for both watershed and biodiversity values.

No other vendors offer this specialized service for detecting suites of target invasive plants that have been prioritized. They either do not offer the level of resolution required for accurate detection or they do not offer the combination of imagery types (natural light with multispectral imagery) that allow for the detection of a wide range of priority targets. The other company providing similar data in Hawaii, Carnegie Institute is a research institute and is not available for commercial flights. Additionally its methods are still under development. Resource Mapping is the first company to offer this type of service commercially.

8. Alternate source. Describe the other possible sources for the goods, services, or construction that were investigated but did not meet the department's needs.

There are no other vendors that can provide this product.

9. Identify the primary responsible staff person(s) conducting and managing this procurement. (Appropriate delegated procurement authority and completion of mandatory training required.)

\*Point of contact (Place asterisk after name of person to contact for additional information).

Name	Division/Agency	Phone Number	E-mail Address
Christopher Mottley	DLNR, DOFAW, Kauai	808 645 1910	Christopher.J.Mottley@hawaii.gov

Department shall ensure adherence to applicable administrative and statutory requirements, including HAR chapter 3-122, Subchapter 15, Cost or Pricing Data if required.

**All requirements/approvals and internal controls for this expenditure is the responsibility of the department.  
I certify that the information provided is to the best of my knowledge, true and correct.**

  
\_\_\_\_\_  
Department Head Signature

5/28/14  
\_\_\_\_\_  
Date

**For Chief Procurement Officer Use Only**

Date Notice Posted: 6/28/14

Submit written objection to this notice to issue a sole source contract within seven calendar days or as otherwise allowed from date notice posted to:

[state.procurement.office@hawaii.gov](mailto:state.procurement.office@hawaii.gov)

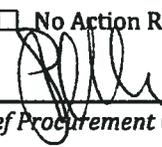
**Chief Procurement Officer (CPO) Comments:**

Approval is granted for the period of 7/1/2014 – 6/30/2015 and is based on the department's representation that Resource Mapping LLC is the only vendor who can provide aerial mapping with high resolution cameras (1cm) plus multi-spectral imagery to accurately detect invasive species on Kauai. This approval is for the solicitation process only, HRS section 103D-310(c) and HAR section 3-122-112 shall apply (i.e. vendor is required to be compliant on the Hawaii Compliance Express) and award is required to be posted on the Awards Reporting System. Copies of the HCE certificate and awards posting are required to be documented in the procurement/contract file. If there are any questions, please contact Wendy Ebisui at 586-0563, or [wendy.mo.ebisui@hawaii.gov](mailto:wendy.mo.ebisui@hawaii.gov).

Approved

Disapproved

No Action Required

  
\_\_\_\_\_  
Chief Procurement Officer Signature      Date

6/10/14