

---

---

## HOUSE RESOLUTION

URGING THE STATE HISTORIC PRESERVATION DIVISION OF THE DEPARTMENT OF LAND AND NATURAL RESOURCES TO EXPLORE THE USE OF GROUND PENETRATING X-RAY AND GEOGRAPHICAL INFORMATION SYSTEM TECHNOLOGY TO DETERMINE WHETHER THE USE OF THESE TECHNOLOGIES IS FEASIBLE.

1 WHEREAS, ground penetrating x-ray scanning devices have the  
2 ability to identify bones and artifacts prior to digging or  
3 excavating a site; and

4  
5 WHEREAS, a geographical information system can record and  
6 extrapolate information regarding excavations, historic sites,  
7 and the location of bones and artifacts; and

8  
9 WHEREAS, a geographical information system that captures,  
10 stores, analyzes, manages, and presents data is vital to merging  
11 existing maps with any images and information provided by new  
12 archaeological technology; and

13  
14 WHEREAS, ground penetrating x-ray and geographical  
15 information system technology, while costly, could prevent  
16 damage to historical artifacts while saving the historic  
17 preservation division precious time from having to locate and  
18 extract these items from the ground; now, therefore,

19  
20 BE IT RESOLVED by the House of Representatives of the  
21 Twenty-fifth Legislature of the State of Hawaii, Regular Session  
22 of 2010, that this body urges the State Historic Preservation  
23 Division to explore the use of ground penetrating x-ray and  
24 geographic information system technology to determine whether  
25 the use by the Division of these technologies is feasible; and

26  
27 BE IT FURTHER RESOLVED that the State Historic Preservation  
28 Division is requested to report to the Legislature on:

- 29  
30 (1) The costs associated with acquiring, maintaining, and  
31 using ground penetrating x-ray devices and a  
32 geographic information system that have the ability to



1 identify and map artifacts in the ground without the  
2 need for excavation; and

- 3
- 4 (2) Whether use of any of the archaeological equipment by
- 5 the division is feasible based on the costs of the
- 6 technology and the benefit to the State in
- 7 identifying, locating, and preserving historic
- 8 artifacts and human remains; and
- 9

10 BE IT FURTHER RESOLVED that the State Historic Preservation  
11 Division is requested to report findings and recommendations to  
12 the Legislature not later than twenty days prior to the  
13 convening of the Regular Session of 2011; and

14  
15 BE IT FURTHER RESOLVED that certified copies of this  
16 Resolution be transmitted to Chairperson of the Board of Land  
17 and Natural Resources and the State Historic Preservation  
18 Officer.

19  
20  
21 OFFERED BY:

*Mele Carroll*

*Karen Lutera*

*Mark Ventoshma*  
*[Signature]*

MAR 10 2010

