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## A BILL FOR AN ACT

RELATING TO HISTORIC PRESERVATION.

**BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF HAWAII:**

1           SECTION 1. The legislature finds that with advances in  
2 ground penetrating x-ray scanning device and archeological  
3 technology, bones and artifacts can be identified and studied  
4 prior to digging and excavating a site. Ground penetrating x-  
5 ray technology, while costly, has the ability to prevent damage  
6 to historical artifacts while saving the historic preservation  
7 division precious time from having to extract these pieces from  
8 the ground.

9           The legislature also finds that a system to record and  
10 store data from ground penetrating x-ray technology will enable  
11 the data to be transformed into useable archaeological  
12 information. A geographical information system that captures,  
13 stores, analyzes, manages, and presents data is vital to merging  
14 existing maps with any images and information provided by new  
15 archaeological technology.

16           The purpose of this Act is to require the state historic  
17 preservation officer to explore the use of archaeological  
18 technology, including ground penetrating x-ray devices and



1 geographic information systems, and determine whether acquiring,  
2 maintaining, and using the technology is feasible.

3 SECTION 2. The state historic preservation officer shall  
4 review current archaeological technology, including a ground  
5 penetrating x-ray device and geographic information system that  
6 have the ability to identify and map artifacts in the ground  
7 without the need for excavation. The state historic  
8 preservation officer shall determine:

9 (1) The costs associated with acquiring, maintaining, and  
10 using a ground penetrating x-ray device and geographic  
11 information system that have the ability to identify  
12 and map artifacts in the ground without the need for  
13 excavation; and

14 (2) Whether use of any of the archaeological equipment by  
15 the division is feasible based upon the costs of the  
16 technology and the benefit to the historic  
17 preservation division in preserving historical bones  
18 and artifacts.

19 SECTION 3. The state historic preservation officer shall  
20 report any findings and recommendations to the legislature no  
21 later than twenty days prior to the convening of the 2012  
22 regular session.



1 SECTION 4. This Act shall take effect upon its approval.

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INTRODUCED BY: Mel Carroll  
Ray Hanover

JAN 20 2011



**Report Title:**

Historic Preservation; Archaeological Technology

**Description:**

Requires the state historic preservation officer to explore the use of archaeological technology, including a ground penetrating x-ray and geographic information system, and determine whether acquiring, maintaining, and using the technology is feasible.

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