



June 22, 2011  
DAR Letter Report 1110C

Tim Chylla, L.E.G., Engineering Geologist  
GeoTest Services Inc.  
741 Marine Drive  
Bellingham, WA 98225

**RE: Management Summary for Archaeological Monitoring of Geotechnical Testing at Fisherman's Cove, Lummi Nation, Bellingham, Whatcom County, Washington**

Mr. Chylla,

At your request and due to the mandate of Lummi Nation, Drayton Archaeological Research (DAR) recently conducted archaeological monitoring of geotechnical boring and mechanical excavation of test pits at Fisherman's Cove on Lummi View Drive.

Geotechnical testing was conducted at Fisherman's Cove, in Section 34, Township 38 North, Range 1 East, Willamette Meridian (WM), on Lummi View Drive, Lummi Nation, Bellingham, Whatcom County, Washington (Figure 1). Ground disturbing activities included geotechnical boring in five locations and the mechanical excavation of 12 test pits within the Area of Potential Effects (APE) to document possible contamination of soils at Fisherman's Cove (Figures 2 and 3).

DAR monitored the Geotest Services, Inc. conduct their testing on June 15 and 16, 2011 at the request of the Lena Tso to fulfill compliance with the regulatory requirements of Title 40 of the Lummi Nation Code of Laws (40.02.070), as well as Section 106 of the National Historic Preservation Act. The geotechnical testing locations are within the previously recorded boundaries of archaeological site 45WH45. The site, 45WH45 is described as a precontact village site (Griffin 1981; Grabert 1983; Baldwin 2003).

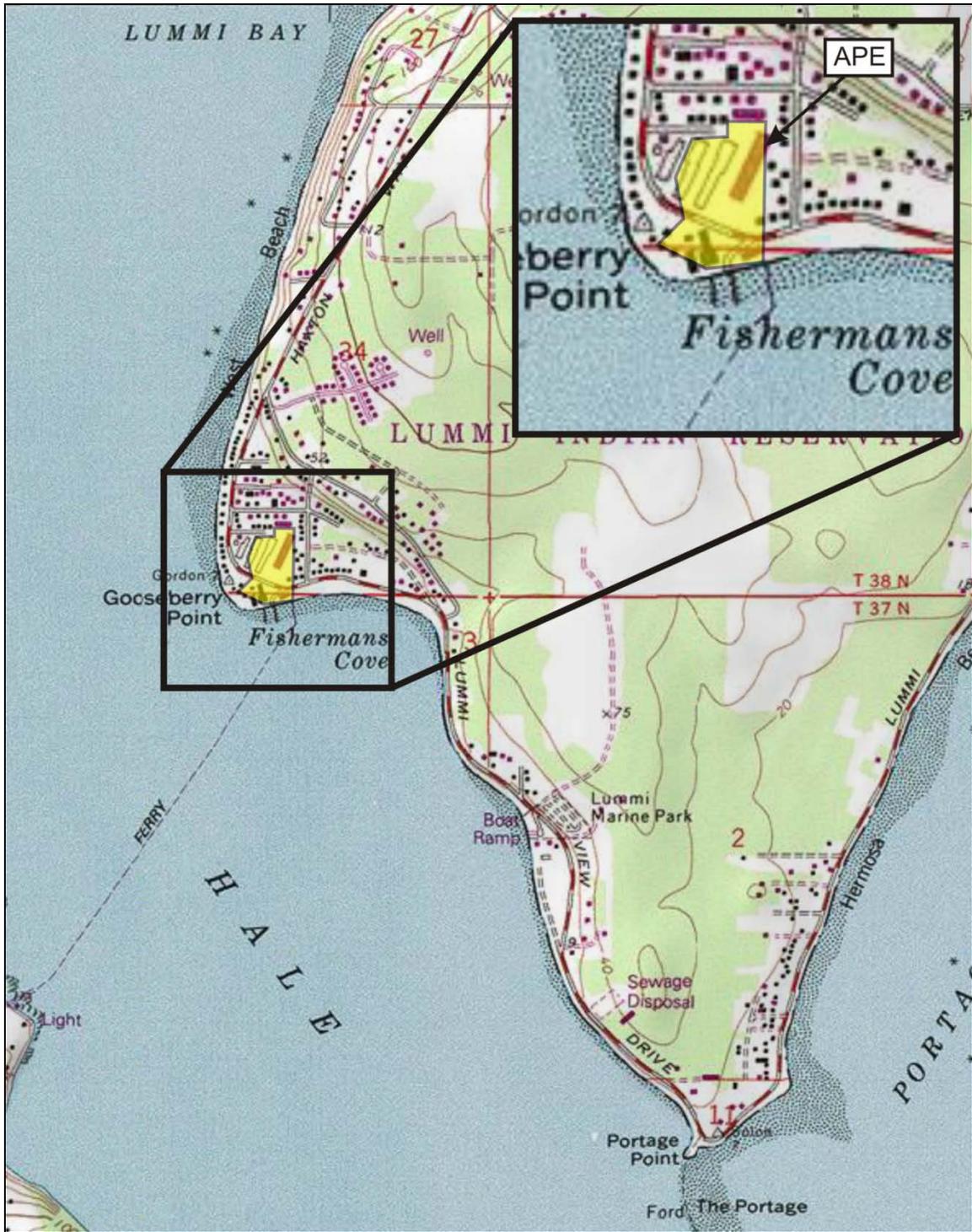


Figure 1. Portion of the USGS Lummi Island, WA USGS 7.5' topographic quadrangle detailing the APE.

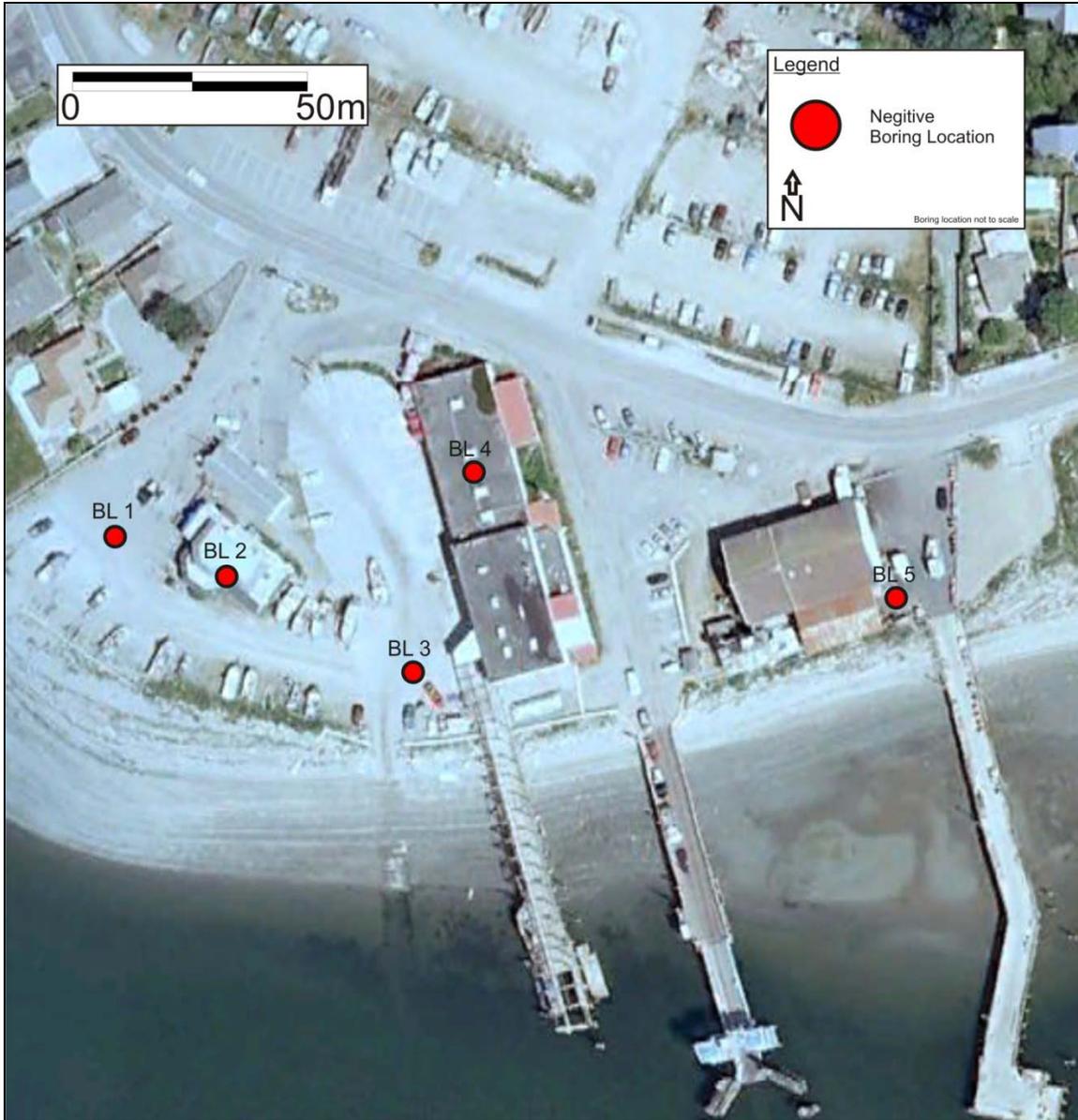


Figure 2. Aerial map detailing negative boring locations at Fisherman's Cove.

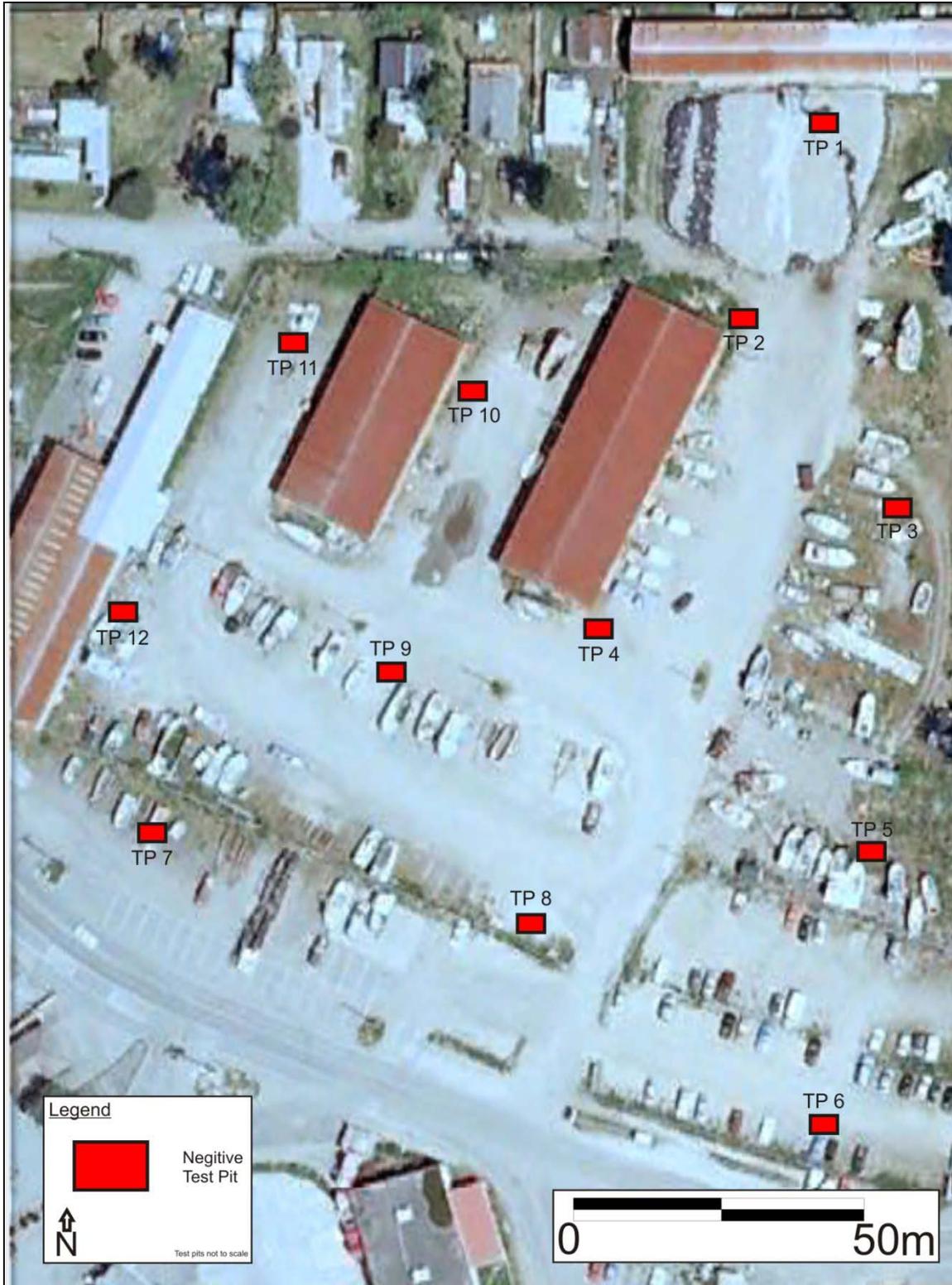


Figure 3. Aerial map detailing negative test pit locations at Fisherman's Cove.

Archaeologist Justin Preston monitored the geotechnical testing at Fisherman's Cove on June 15 and 16, 2011 in warm and clear conditions. All boring activities were completed using a mechanical borer and core samples were inspected in 2.5 ft (76.2 cm) increments to a terminal depth of 20 ft (6.1 m) below surface (Figure 4 and 5). The test pits were completed using a mechanical excavator and were terminated at a depth of 2.5 ft (76.2 cm) below surface (Figure 6). The machine operator was asked to remove material in shallow increments (~6 in/15 cm) so that each bucket load could be assessed and damage to intact archaeology, if encountered, would be minimized.

All boring and excavation was confined to the areas indicated on Figures 2 and 3. No cultural materials were found in the boring locations or test pits. This is a likely result of the highly disturbed nature of the soils within the APE. The boring samples typically contained mottled fill sand and gravel to a depth of 5-7.5 ft (1.52-2.29 m) over natural beach deposits. A thorough description of the soil sequence and soil composition of the test pits are described in Appendix A.



**Figure 4. Core sample from boring location 3 at a depth of 2.5 ft (76.2 cmbs) showing typical disturbance within the APE**



**Figure 5. Core sample from boring location 3 at a depth of 2.5 ft (76.2 cmbs) showing typical native beach deposits.**



**Figure 6 Test pit 10 soil profile showing typical disturbance within the APE.**

This report summarizes the monitoring conducted by DAR on June 15 and 16, 2011 at Fisherman's Cove. No archaeological deposits or materials were identified within the Fisherman's Cove geotechnical testing APE. No human remains or indeterminate bones were identified during archaeological monitoring. This report should be forwarded to the Lummi Nation THPO, the Bureau of Indian Affairs and as a courtesy, the Washington State Historic Preservation Office for their records. If you have any questions, please do not hesitate to contact our office. My contact information is: email, [garthbaldwin@draytonarchaeology.com](mailto:garthbaldwin@draytonarchaeology.com) or phone, 360.332.2600.

Sincerely,

A handwritten signature in dark ink, appearing to read 'G. Baldwin', written in a cursive style.

Garth L. Baldwin, M.A., RPA  
Principal Investigator

**Cc:** Rob Whitlam, State Archaeologist

Baldwin, Garth L.

2003 Letter to Darrell Cline, Assistant Superintendent, Whatcom County Public Works.  
Regarding the Subsurface Testing of the Gooseberry Point Ferry Commuter Parking Lot. On  
file at the Department of Archaeology and Historic Preservation, Olympia.

Grabert, Garland F.

1983 Archaeological Investigations of the Lummi Indian Reservation, Washington. Reports in  
Archaeology No. 18, Western Washington University, Bellingham.

Griffin, Gene

1981 Washington State Archaeological Site Inventory Form 45WH116. On file at the  
Department of Archaeology and Historic Preservation, Olympia.

DEPTH BELOW SURFACE (CM)	SEDIMENTS/CONTENTS	COMMENTS
<b>Test Pit 1</b>		
0-40	Yellowish brown 10YR 5/4 gravelly sandy loam.	No cultural materials.
40-50	Black 10YR 2/1 sand.	No cultural materials.
50-80	Dark brown 140YR 3/3 gravelly sand.	No cultural materials.
<b>Test Pit 2</b>		
0-50	Yellowish brown 10YR 5/4 gravelly sandy loam.	No cultural materials.
50-70	Black 10YR 2/1 sand.	No cultural materials.
70-90	Grayish brown 10YR 5/2 sand.	No cultural materials.
<b>Test Pit 3</b>		
0-40	Yellowish brown 10YR 5/4 gravelly sandy loam.	No cultural materials.
40-70	Black 10YR 2/1 sandy loam.	No cultural materials.
70-80	Grayish brown 10YR 5/2 gravelly sand and natural beach deposits.	No cultural materials.
<b>Test Pit 4</b>		
0-10	Asphalt.	No cultural materials.
10-40	Grayish brown 10YR 5/2 sand.	No cultural materials.
40-80	Dark brown 140YR 3/3 vey gravelly sand.	Waterline
<b>Test Pit 5</b>		
0-10	Asphalt.	No cultural materials.
10-30	Black 10YR 2/1 sand.	No cultural materials.
30-40	Grayish brown 10YR 5/2 sand.	No cultural materials.
40-50	Black 10YR 2/1 sand.	No cultural materials.
50-65	Yellowish brown 10YR 5/4 gravelly sand.	No cultural materials.
65-90	Grayish brown 10YR 5/2 gravelly sand.	No cultural materials.
<b>Test Pit 6</b>		
0-10	Asphalt.	No cultural materials.
10-40	Grayish brown 10YR 5/2 sand.	No cultural materials.
40-80	Dark brown 140YR 3/3 vey gravelly sand.	No cultural materials.
<b>Test Pit 7</b>		
0-20	Yellowish brown 10YR 5/4 gravelly sandy loam.	No cultural materials.
20-30	Grayish brown 10YR 5/2 gravelly sand.	No cultural materials.
30-50	Yellowish brown 10YR 5/4 gravelly sandy loam.	No cultural materials.
50-60	Grayish brown 10YR 5/2 gravelly sand.	No cultural materials.
60-80	Yellowish brown 10YR 5/4 gravelly sandy loam.	No cultural materials.
<b>Test Pit 8</b>		
0-20	Brown 10YR 4/3 silt loam.	No cultural materials.
20-30	Black 10YR 2/1 sand.	No cultural materials.
30-40	Grayish brown 10YR 5/2 sand.	No cultural materials.
40-90	Yellowish brown 10YR 5/4 gravelly sand.	No cultural materials.
<b>Test Pit 9</b>		
0-30	Grayish brown 10YR 5/2 gravelly sand.	No cultural materials.
30-60	Yellowish brown 10YR 5/4 gravelly sandy loam.	No cultural materials.
60-65	Dark brown 140YR 3/3 vey gravelly sand and natural beach deposits.	No cultural materials.
65-80	Yellowish brown 10YR 5/4 vey gravelly sand.	No cultural materials.

<b>Test Pit 10</b>		
0-30	Yellowish brown 10YR 5/4 gravelly sandy loam.	No cultural materials.
30-50	Black 10YR 2/1 sand.	No cultural materials.
50-100	Yellowish brown 10YR 5/4 gravelly sand.	No cultural materials.
<b>Test Pit 11</b>		
0-20	Yellowish brown 10YR 5/4 gravelly sandy loam.	No cultural materials.
20-30	Black 10YR 2/1 sand.	No cultural materials.
30-70	Yellowish brown 10YR 5/4 vey gravelly sand.	No cultural materials.
70-80	Yellowish brown 10YR 5/4 vey gravelly sand and natural beach deposits.	No cultural materials.
80-90	Grayish brown 10YR 5/2 gravelly sand.	No cultural materials.
<b>Test Pit 12</b>		
0-20	Yellowish brown 10YR 5/4 gravelly sandy loam.	No cultural materials.
20-35	Yellowish brown 10YR 5/4 gravelly sand.	No cultural materials.
35-50	Black 10YR 2/1 sand.	No cultural materials.
50-70	Grayish brown 10YR 5/2 gravelly sand.	No cultural materials.
70-100	Yellowish brown 10YR 5/4 gravelly sand.	No cultural materials.

# CULTURAL RESOURCES REPORT COVER SHEET

Authors: Garth L. Baldwin

Title of Report: Archaeological Monitoring of Geotechnical Testing at Fisherman's Cove, Lummi Nation, Bellingham, Whatcom County, Washington

Date of Report: June 22, 2011

County (ies): Whatcom      Sections: 34WM, Township: 38 N Range: 1E  
Quad: Lummi Island Acres: <1

CD submitted?  Yes  No

Does this replace a draft?  Yes  No

Archaeological Sites Found or Amended?  Yes  No

TCP(s) found?  Yes  No

Does this report fulfill a DAHP permit requirement?  Yes  No

DAHP Archaeological Site #:

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