



May 7, 2024

Judith E. Bittner
Office of History & Archaeology Atwood Building
550 West 7th Avenue Suite 1310
Anchorage, AK 99501

Subject: Section 106 initiating consultation and requesting review of proposed finding of “no adverse effect” with conditions imposed to avoid adverse effects on historic properties for NSF project: LTER: Changing Disturbances, Ecological Legacies, and the Future of the Alaskan Boreal Forest (Principal Investigator (PI) Michelle Mack #2224776)

Dear Ms. Bittner:

The National Science Foundation (NSF) is initiating consultation pursuant to Section 106 of the National Historic Preservation Act with the State Historic Preservation Officer (SHPO) regarding its 2024-2029 funding of University of Alaska Fairbanks proposed research LTER: Changing Disturbances, Ecological Legacies, and the Future of the Alaskan Boreal Forest. Principal Investigator (PI) Dr. Michelle Mack and Co-PIs Drs. Jeremy Jones, Christa Mulder, Teresa Hollingsworth, and Todd Brinkman propose to conduct research on the boreal forests of interior Alaska through long-term monitoring of changes in ecosystem carbon cycling in response to permafrost thaw and ground subsidence (thermokarst) development. This research will contribute to a body of work monitoring permafrost and associated ecosystem carbon cycling processes. The proposed research includes soil and permafrost thaw depth measurements, soil harvesting, and soil coring at locations that have been disturbed by wildfire within the last three years, an undertaking with the potential to cause effects on historic properties per 36 CFR 800.3 of the regulations of the Advisory Council on Historic Preservation. The NSF proposes a finding of “no adverse effect” with conditions imposed to avoid adverse effects on historic properties and requests the SHPO’s review, and if appropriate, concurrence with this finding.

Project Area

Most project locations are in the vicinity of Fairbanks, Alaska, extending as far north as Beaver, Alaska, as far south as Healy, AK as far west as Manley Hot Springs, Alaska and as far east as Chena Hot Springs. The project area includes 147 discontinuous locations where soil coring and sampling will occur (Attachment 1, Figures 1-10). Depending on various factors, the research team will pick a maximum of 30 sampling locations of the total 147 proposed. A maximum of 90 soil coring locations, 300 soil depth measurements, and ~45 porewater samples will occur within the approximately 0.2 square mile (128 acres) project area.

Project Description

The goals for this field effort are to collect soil samples, tree and shrub inventories, plant cover, measure soil organic layer and permafrost thaw depths, and establish permanent transects for future non-destructive resurveys. Project areas have all been previously disturbed by wildfires within three years of sampling. All ground disturbing work will be limited to one year of sampling.



Battelle Arctic Teaming Partners



Sampling locations are classified as 1) LTER Wildfire, these coordinates indicate the start of a 30 m transect that will have 3 cores along it; and 2) LTER Wetland, these coordinates are in the middle of the wetland feature. The sampling will begin on the shore of the lake or collapse bog/fen and extend 30 m from the shore or stable ground into the terrestrial environment.

All project areas will be accessed via helicopter by a research team of 3 people, and researchers will walk from the helicopter landing to the GPS locations. At each location, researchers will lay out a 30 m linear transect within the project area. Each of the following will be carried out by a team member:

- Take GPS measurement at 0 m, roll out tape to 30 m along compass bearing, take GPS measurement at 20 m. Return along transect inventorying trees and shrubs along transect in 30 x 2 m belt.
- Starting at the 0 m end of the transect, a team member will measure residual organic soil depth and permafrost thaw depth at 3 m intervals along the transect for a total of 10 residual soil and thaw depth measurements per transect. Residual soil depth measurements consist of slicing a small (5 cm long) slash into the organic soil layer and probing, by hand, for the organic-mineral soil interface, which is determined by texture, and measuring the distance from the surface to the interface. Permafrost thaw depth measurements consist of sliding a long, 2 cm diameter metal probe into the ground until it hits the ice surface, removing the probe, and measuring the distance from the surface of the moss to the surface of the ice.
- At three randomly chosen locations along the transect (i.e., a subset of the soil profiles examined above), researchers will destructively harvest soil using a 6.8 cm diameter and 30 or 50 cm long hand-made “twist core” with serrated blade on the coring end and inserting it with serrated cutting blade into the organic soil layer until it reaches the organic-mineral interface, removing the corer, extruding the organic soil, and then reinserting the corer into the same hole and coring to 10 cm deep in the mineral soil (or to the permafrost surface, if less than 10 cm) as measured by the depth from the organic-mineral interface into the mineral soil. The mineral soil core will be removed and extruded. Both cores will be placed on ice and returned to the laboratory.
- Starting at the 0 m end of transect a team member will estimate plant cover percentage at 3 m intervals.
- Transects will be permanently marked for future non-destructive resurveys. Transect markers will be either wood stakes, benchmarks, or pin flags with anchors.
- At LTER Wetland sites, porewater samples will be collected at three random points along the 30 m transect using a 0.52 cm diameter stainless steel sipper. The sipper will be carefully inserted to two depths (30cm and permafrost interface to a maximum depth of 100 cm) to collect approximately 60 - 100 ml of porewater within the soil matrix. Porewater will be extracted using suction applied via syringe attached to the sipper by polyvinyl tubing.

Identification of Historic Properties

Stantec archaeologist Mackenzie Hughes, MS RPA conducted a desktop review of the 147 proposed project areas using the Alaska Heritage Resources Survey (AHRS) database on March 26, 2024 (Attachment 1, Figures 1-10; Table 1). Stantec reviewed AHRS for previously recorded cultural resources within 100 meters of each of the 147 project locations. No cultural resources survey was conducted in support of the proposed project.

Of the 147 discontinuous project areas, six (6) proposed project areas intersect with previously recorded cultural resources. The Dunbar-Brooks Terminal Trail (LIV-00556) intersects with two (2) of the project areas (2023 04 and 2023 14). Site LIV-00556 was recommended eligible for listing in the National Register of Historic Places (NRHP) with SHPO concurrence in 2016. The Olive to Cleary Creek Ditch (LIV-00515) intersects with one (1) of the project areas (Hess Creek 2) and was determined not eligible for NRHP listing in 2012. The Elliot Highway – Segment B – Bypass Segment B15 (LIV-00768) intersects with three (3) of the project areas (Hess Creek 4, 5, and 6) and was determined not eligible for NRHP listing in 2015.

No previously recorded cultural resources are recorded within the remaining 141 project areas. The nearest previously recorded cultural resource to the 141 project areas is located 170 feet east of project area 2023 12.

Table 1. Proposed Project Locations and AHRs Search Results

Work Type	Location Name	Center Latitude	Center Longitude	Findings	Nearest Resource
LTER Wetland	1981 01	65.1339	-149.1309	Negative	4.51 miles SE
LTER Wetland	1981 02	65.1246	-149.1218	Negative	3.86 miles SE
LTER Wetland	1981 03	65.1081	-149.2235	Negative	5.16 miles SE
LTER Wetland	1981 04	65.1043	-149.2320	Negative	5.27 miles SE
LTER Wetland	1981 05	65.1030	-149.2158	Negative	4.8 miles SE
LTER Wetland	1981 06	65.0982	-149.1935	Negative	4.08 miles SE
LTER Wetland	1981 07	65.0906	-149.2042	Negative	4.17 miles SE
LTER Wetland	1981 08	65.0875	-149.1886	Negative	3.64 miles SE
LTER Wetland	1981 09	65.0721	-149.2298	Negative	4.69 miles SE
LTER Wetland	1981 10	65.0668	-149.2112	Negative	4.23 miles E
LTER Wetland	1981 11	65.0667	-149.1524	Negative	2.5 miles E
LTER Wetland	1981 12	65.0650	-149.1247	Negative	1.79 miles E
LTER Wetland	1981 13	65.0614	-149.0664	Negative	3906 feet N
LTER Wetland	1981 14	65.0524	-149.2522	Negative	5.49 miles NE
LTER Wetland	1981 15	65.0549	-149.2142	Negative	4.4 miles NE
LTER Wetland	1981 16	65.0473	-149.2417	Negative	5.31 miles NE
LTER Wetland	1981 17	65.0419	-149.2783	Negative	6.13 miles NW
LTER Wetland	1981 18	65.0394	-149.2692	Negative	6.19 miles NE
LTER Wetland	1981 19	65.0348	-149.2601	Negative	6.17 miles NE
LTER Wetland	1981 20	65.0302	-149.2357	Negative	5.68 miles NE
LTER Wetland	1981 21	65.0330	-149.2062	Negative	4.9 miles NE
LTER Wetland	1981 22	65.0402	-149.1851	Negative	4.06 miles NE
LTER Wetland	1981 23	65.0268	-149.1696	Negative	4.34 miles NE
LTER Wetland	1981 24	65.0277	-149.1604	Negative	4.11 miles NE
LTER Wetland	1981 25	65.0399	-149.1247	Negative	2.79 miles NE
LTER Wetland	1981 26	65.0442	-149.1150	Negative	2.43 miles NE
LTER Wetland	1981 27	65.0230	-149.1305	Negative	3.7 miles NE
LTER Wetland	1981 28	65.0248	-149.1185	Negative	3.56 miles NE
LTER Wetland	1981 29	65.0231	-149.0947	Negative	3.49 miles N
LTER Wetland	1981 30	65.0317	-149.0814	Negative	2.82 miles N

Work Type	Location Name	Center Latitude	Center Longitude	Findings	Nearest Resource
LTER Wetland	1981 31	65.0232	-149.0548	Negative	3.3 miles N
LTER Wetland	1981 32	65.0506	-149.0816	Negative	1.52 miles N
LTER Wetland	1981 33	65.0487	-149.0169	Negative	1.55 miles N
LTER Wetland	1981 34	65.0349	-148.9896	Negative	2.64 miles NW
LTER Wetland	1981 35	65.0396	-148.9757	Negative	2.47 miles NW
LTER Wetland	1981 36	65.0440	-148.9640	Negative	2.4 miles NW
LTER Wetland	1981 37	65.0538	-148.9540	Negative	2.11 miles NW
LTER Wetland	1981 38	65.0625	-148.9318	Negative	2.05 miles NW
LTER Wetland	1981 39	65.0695	-148.9172	Negative	2.23 miles W
LTER Wetland	1981 40	65.0755	-148.9037	Negative	2.51 miles W
LTER Wetland	1981 41	65.0755	-148.8564	Negative	3.16 miles E
LTER Wetland	1981 42	65.0635	-148.9056	Negative	2.71 miles NW
LTER Wetland	1981 43	65.0528	-148.9285	Negative	2.62 miles NW
LTER Wetland	1981 44	65.0574	-148.8810	Negative	4.22 miles E
LTER Wetland	1981 45	65.0442	-148.9175	Negative	3.33 miles NW
LTER Wetland	1981 46	65.0438	-148.8949	Negative	3.91 miles NW
LTER Wetland	1981 47	65.0217	-148.9257	Negative	4.26 miles NW
LTER Wetland	1981 48	65.0248	-148.8931	Negative	5.28 miles E
LTER Wetland	1981 49	65.0233	-148.8698	Negative	4.62 miles E
LTER Wetland	1981 50	65.0312	-148.8062	Negative	2.68 miles E
LTER Wetland	2023 01	65.0218	-148.7779	Negative	2.05 miles E
LTER Wetland	2023 02	65.0287	-148.7550	Negative	1.32 miles E
LTER Wetland	2023 03	65.0298	-148.7319	Negative	3325 feet E
LTER Wetland	2023 04	65.0381	-148.7062	Positive	Intersects with LIV-00556
LTER Wetland	2023 05	65.0209	-148.7638	Negative	1.6 miles E
LTER Wetland	2023 06	65.0226	-148.7552	Negative	1.45 miles E
LTER Wetland	2023 07	65.0177	-148.7606	Negative	1.59 miles E
LTER Wetland	2023 08	65.0106	-148.7456	Negative	1.23 miles E
LTER Wetland	2023 09	65.0113	-148.7351	Negative	4910 feet E
LTER Wetland	2023 10	65.0187	-148.7219	Negative	2886 miles E
LTER Wetland	2023 11	65.0233	-148.6951	Negative	700 feet W
LTER Wetland	2023 12	64.9969	-148.6972	Negative	170 feet E
LTER Wetland	2023 13	64.9920	-148.6919	Positive	Intersects with LIV-00556
LTER Wetland	2023 14	64.9888	-148.6915	Negative	630 feet NE
LTER Wetland	2023 15	64.9919	-148.6763	Negative	940 feet SW
LTER Wetland	2023 16	65.0630	-148.6843	Negative	1.16 miles W
LTER Wetland	2023 17	65.0623	-148.6673	Negative	1.62 miles W
LTER Wetland	2023 18	65.0559	-148.6621	Negative	1.5 miles W
LTER Wetland	2023 19	65.0962	-148.6322	Negative	3.26 miles W
LTER Wetland	2023 20	65.0893	-148.5610	Negative	5.28 miles W
LTER Wetland	2023 21	65.0846	-148.5388	Negative	5.89 miles W
LTER Wetland	2023 22	65.1154	-148.5953	Negative	4.33 miles W
LTER Wetland	2023 23	65.1175	-148.5740	Negative	4.89 miles W
LTER Wildfire	Clear Creek 1	64.0373	-150.1282	Negative	9.56 miles S
LTER Wildfire	Clear Creek 2	64.0353	-150.1282	Negative	9.48 miles S

Work Type	Location Name	Center Latitude	Center Longitude	Findings	Nearest Resource
LTER Wildfire	Clear Creek 3	64.0329	-150.1282	Negative	9.41 miles S
LTER Wildfire	Clear Creek 4	64.0050	-150.1183	Negative	7.5 miles S
LTER Wildfire	Clear Creek 5	64.0030	-150.1183	Negative	7.32 miles S
LTER Wildfire	Clear Creek 6	64.0010	-150.1183	Negative	7.29 miles S
LTER Wildfire	Dry Creek 1	64.9242	-150.8944	Negative	3.15 miles NE
LTER Wildfire	Dry Creek 2	64.9242	-150.8899	Negative	3.14 miles NE
LTER Wildfire	Dry Creek 3	64.9242	-150.8854	Negative	3.13 miles NE
LTER Wildfire	Dry Creek 4	64.9025	-150.8423	Negative	4.44 miles N
LTER Wildfire	Dry Creek 5	64.9006	-150.8423	Negative	4.59 miles N
LTER Wildfire	Dry Creek 6	64.8987	-150.8423	Negative	4.74 miles N
LTER Wildfire	Haystack 1	65.1769	-147.6326	Negative	3.15 miles E
LTER Wildfire	Haystack 2	65.1750	-147.6326	Negative	3.21 miles E
LTER Wildfire	Haystack 3	65.1743	-147.6335	Negative	3.22 miles E
LTER Wildfire	Haystack 4	65.1765	-147.6210	Negative	2.84 miles E
LTER Wildfire	Haystack 5	65.1765	-147.6174	Negative	2.73 miles E
LTER Wildfire	Haystack 6	65.1769	-147.6165	Negative	2.72 miles E
LTER Wildfire	Hess Creek 1	65.4801	-148.3624	Negative	270 feet W
LTER Wildfire	Hess Creek 2	65.4781	-148.3607	Positive	Intersects with LIV-00515
LTER Wildfire	Hess Creek 3	65.4815	-148.3517	Negative	208 feet SW
LTER Wildfire	Hess Creek 4	65.4806	-148.3537	Positive	Intersects with LIV-00768
LTER Wildfire	Hess Creek 5	65.4797	-148.3537	Positive	Intersects with LIV-00768
LTER Wildfire	Hess Creek 6	65.4784	-148.3503	Positive	Intersects with LIV-00768
LTER Wildfire	Lost Horse 1	65.1656	-147.6722	Negative	4.43 miles NE
LTER Wildfire	Lost Horse 2	65.1637	-147.6722	Negative	4.48 miles NE
LTER Wildfire	Lost Horse 3	65.1618	-147.6722	Negative	4.52 miles NE
LTER Wildfire	Lost Horse 4	65.1581	-147.6740	Negative	4.62 miles NE
LTER Wildfire	Lost Horse 5	65.1562	-147.6740	Negative	4.66 miles NE
LTER Wildfire	Lost Horse 6	65.1543	147.6740	Negative	4.7 miles NE
LTER Wildfire	McCoy Creek 1	64.4967	-146.4972	Negative	4.76 miles NE
LTER Wildfire	McCoy Creek 2	64.4967	-146.4927	Negative	4.94 miles NE
LTER Wildfire	McCoy Creek 3	64.4967	-146.4882	Negative	5.04 miles NE
LTER Wildfire	McCoy Creek 4	64.5067	-146.4217	Negative	7.08 miles NE
LTER Wildfire	McCoy Creek 5	64.4940	-146.3462	Negative	7.7 miles NW
LTER Wildfire	McCoy Creek 6	64.4921	-146.3462	Negative	7.52 miles NW
LTER Wildfire	McCoy Creek 7	64.4901	-146.3462	Negative	7.39 miles NW
LTER Wildfire	Munson Creek 1	64.9740	-146.1297	Negative	3.06 miles E
LTER Wildfire	Munson Creek 2	64.9740	-146.1253	Negative	3.22 miles E
LTER Wildfire	Munson Creek 3	64.9740	-146.1208	Negative	3.35 miles E
LTER Wildfire	Munson Creek 4	64.9767	-146.0821	Negative	4.41 miles E
LTER Wildfire	Munson Creek 5	64.9748	-146.0821	Negative	4.44 miles E
LTER Wildfire	Munson Creek 6	64.9729	-146.0821	Negative	4.46 miles E
LTER Wildfire	Nugget Creek 1	64.8846	-146.5511	Negative	0.88 miles NE
LTER Wildfire	Nugget Creek 2	64.8846	-146.5466	Negative	0.81 miles NE
LTER Wildfire	Nugget Creek 3	64.8846	-146.5421	Negative	0.73 miles NE
LTER Wildfire	Nugget Creek 4	64.8949	-146.4478	Negative	0.64 miles N

Work Type	Location Name	Center Latitude	Center Longitude	Findings	Nearest Resource
LTER Wildfire	Nugget Creek 5	64.8949	-146.4433	Negative	0.64 miles N
LTER Wildfire	Nugget Creek 6	64.8949	-146.4388	Negative	0.64 miles N
LTER Wildfire	Rock Creek 1	64.0467	-149.6736	Negative	3.27 miles NE
LTER Wildfire	Rock Creek 2	64.0467	-149.6691	Negative	3.15 miles NE
LTER Wildfire	Rock Creek 3	64.0467	-149.6646	Negative	3.01 miles NE
LTER Wildfire	Rock Creek 4	64.0443	-149.6772	Negative	3.44 miles NE
LTER Wildfire	Rock Creek 5	64.0424	-149.6772	Negative	3.49 miles NE
LTER Wildfire	Rock Creek 6	64.0404	-149.6772	Negative	3.52 miles SE
LTER Wildfire	Shores Landing 1	64.4882	-149.2748	Negative	6.37 miles NE
LTER Wildfire	Shores Landing 2	64.4862	-149.2748	Negative	6.45 miles NE
LTER Wildfire	Shores Landing 3	64.4843	-149.2748	Negative	6.5 miles NE
LTER Wildfire	Shores Landing 4	64.4506	-149.2658	Negative	5.69 miles E
LTER Wildfire	Shores Landing 5	64.4506	-149.2613	Negative	5.54 miles E
LTER Wildfire	Shores Landing 6	64.4506	-149.2568	Negative	5.41 miles E
LTER Wildfire	Shovel Creek 1	64.9525	-148.4194	Negative	1.67 miles E
LTER Wildfire	Shovel Creek 2	64.9561	-148.3913	Negative	0.89 miles E
LTER Wildfire	Shovel Creek 3	64.9480	-148.3155	Negative	1.09 miles W
LTER Wildfire	Shovel Creek 4	64.9499	-148.2947	Negative	1.67 miles W
LTER Wildfire	Shovel Creek 5	64.9541	-148.2617	Negative	1.92 miles E
LTER Wildfire	Shovel Creek 6	64.9589	-148.2461	Negative	1.45 miles E
LTER Wildfire	Shovel Creek 7	64.9594	-148.1655	Negative	0.77 miles SW
LTER Wildfire	Teklanika 1	64.3750	-149.3340	Negative	5.59 miles SE
LTER Wildfire	Teklanika 2	64.3750	-149.3295	Negative	5.47 miles SE
LTER Wildfire	Teklanika 3	64.3750	-149.3251	Negative	5.31 miles SE
LTER Wildfire	Teklanika 4	64.3625	-149.3242	Negative	4.94 miles SE
LTER Wildfire	Teklanika 5	64.3606	-149.3242	Negative	4.89 miles SE
LTER Wildfire	Teklanika 6	64.3587	-149.3242	Negative	4.87 miles SE

Finding of Effects and Conditions to Avoid Adverse Effects

The ground disturbance associated with this proposal is limited to soil depth measurements and coring at 30 project areas for a total of 300 soil depth measurements, ~45 porewater samples, and 90 soil cores across an area of approximately 0.2 square mile (128 acres). Stantec identified 3 linear cultural resources that intersect with 6 of the 147 project areas, of which one is eligible for NRHP listing (LIV-00556) and two are not eligible for NRHP listing (LIV-00515 and LIV-00768). To mitigate for impacts to previously recorded/known cultural and historic resources, the research team will avoid all project areas with identified eligible resources. In project areas intersecting non-eligible resources (LIV-00515 and LIV-00768) including a ditch and a highway, the research team will avoid any work directly affecting the two distinct features. In the event that the undertaking encounters cultural resources at project areas with no previously identified cultural resources, the research team will be provided the Battelle ARO Inadvertent Discovery of Historical, Archaeological, or Cultural Resources Plan (IDP, Attachment 2). The IDP includes guidance on identifying cultural resources in the field, avoidance measures, and reporting and notification instructions. In the event wildfires take place in new locations and research locations are updated to include project areas within new wildfire footprints, this letter will be amended

to include the results of an AHRS database review of the newly identified project areas. If cultural resources are identified that intersect with the newly identified research locations, the resources will similarly be avoided.

Due to the conditions above imposed to avoid adverse effects to historic properties, the NSF proposes a finding of "no adverse effects" pursuant to 36 CFR §800.5 (b).

We look forward to receiving the SHPO response to this request. If you require any additional information, please do not hesitate to contact the undersigned.

Sincerely,

A handwritten signature in black ink that reads "Catherine Morris". The script is cursive and fluid.

Catherine Morris (she/her)
Environmental Science Planner
catherine@polarfield.com

Attachments: Attachment 1: Project Location and Vicinity Maps
 Attachment 2: Battelle ARO Inadvertent Discovery of Historical, Archaeological, or Cultural Resources Plan

RE: Findings Letter and Concurrence Request for NSF funded Mack 2224776

Meitl, Sarah J (DNR) <sarah.meitl@alaska.gov>

Mon 6/24/2024 4:23 PM

To: Catherine Morris <catherine@polarfield.com>

Cc: Naomi Whitty <naomi@polarfield.com>; Meitl, Sarah J (DNR) <sarah.meitl@alaska.gov>

3130-1R NSF / 2023-00827

The Alaska State Historic Preservation Office (AK SHPO) received your correspondence (dated May 7, 2024) concerning the subject project on May 13, 2024. Following our review of the documentation provided, we concur with the finding of No Historic Properties Adversely Affected.

This email serves as our office's official correspondence for the purposes of Section 106. Please note that our office may need to re-evaluate our concurrence if changes are made to the project's scope or design, or comments are received from other consulting parties. As stipulated in 36 CFR 800.3, other consulting parties such as the local government and Tribes are required to be notified of the undertaking. Our response does not end the 30-day review period provided to other consulting parties. Should unidentified cultural resources be discovered in the course of the project, work must be interrupted until the resources have been evaluated in terms of the National Register of Historic Places eligibility criteria (36 CFR 60.4), in consultation with our office. Please note that some sites can be deeply buried and that fossils are considered cultural resources subject to the Alaska Historic Preservation Act.

Thank you for the opportunity to comment. Please contact me if you have any questions or if we can be of further assistance.

Best,

Sarah

Sarah Meitl

Review and Compliance Coordinator

Alaska State Historic Preservation Office

Office of History and Archaeology

907-269-8720

From: DNR, Parks OHA Review Compliance (DNR sponsored) <oha.revcomp@alaska.gov>
Sent: Monday, May 13, 2024 2:14 PM
To: Catherine Devitt <catherine@polarfield.com>
Cc: Meitl, Sarah J (DNR) <sarah.meitl@alaska.gov>; Naomi Whitty <naomi@polarfield.com>
Subject: Fw: Findings Letter and Concurrence Request for NSF funded Mack 2224776

Good afternoon,

The Office of History and Archaeology/Alaska State Historic Preservation Office received your documentation, and its review has been logged in with me under 2023-00827. Our office has 30 calendar days after receipt to complete our review and may contact you if we require additional information. Please contact me by email if you have any questions or concerns.

Best,

Sarah

Sarah Meitl

Review and Compliance Coordinator

Alaska State Historic Preservation Office

Office of History and Archaeology

907-269-8720

From: Catherine Morris <catherine@polarfield.com>
Sent: Tuesday, May 7, 2024 10:57 AM
To: DNR, Parks OHA Review Compliance (DNR sponsored) <oha.revcomp@alaska.gov>; Meitl, Sarah J (DNR) <sarah.meitl@alaska.gov>
Cc: Naomi Whitty <naomi@polarfield.com>
Subject: Findings Letter and Concurrence Request for NSF funded Mack 2224776

CAUTION: This email originated from outside the State of Alaska mail system. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hello Sarah,

Attached is the Findings Letter for NSF funded Mack 2224776 *LTER: Changing Disturbances, Ecological Legacies, and the Future of the Alaskan Boreal Forest*. The NSF proposes a finding of “no adverse effects” with conditions imposed to avoid adverse effects on historic properties and requests the SHPO’s review, and if appropriate, concurrence with this finding.

We consulted on this same project in 2023 under 3130-1R NSF / 2023-00827 although there was a last minute cancellation of the fieldwork in 2023 and the fieldwork now proposed is in new locations so we decided a new consultation would be appropriate.

Thanks in advance, and we look forward to hearing from you!

Best,

Catherine

Catherine Morris (she/her)

Environmental Science Planner

Polar Field Services, Inc.

861 SouthPark Drive, Suite 400

Littleton, CO 80120

c: 937-286-6502

polarfield.com