

PROJECT POTENTIAL ANALYSES

Initial if Desired	Method	Questions Answerable	Likelihood of Results	Materials Required
☐	DNA Analysis	1. What is the biological sex of the individual? 2. What are the population genetics of the individual? Were they a part of the _____ group? <i>Detail other potential questions of interest.</i>	<i>Detail which elements were found (e.g., petrous), and if DNA retrieval is therefore likely or unlikely.</i> <i>Detail reference collections, DNA preservation and likelihood of finding genetic matches at the desired level of interest.</i>	1. Up to 3 g of bone. 2. Sediment sample taken from inside the mortuary feature. DESTRUCTIVE
☐	Protein Analysis	1. What is the biological sex of the individual?	Likely to produce results due to tooth enamel durability	1. Surface etching of tooth enamel (up to 100mg). SEMIDESTRUCTIVE
☐	Bio-geochemical Isotopic Analysis	1. What kind of foods did this person eat (nitrogen and carbon isotopes)? <i>Also detail region-specific examples of answerable questions.</i> 2. Did this person live in the region their whole life, or did they migrate from a different region (strontium, oxygen, lead isotopes)?	<i>Detail likely quality of preservation of collagen and enamel.</i> <i>Detail availability of existing isoscape that will provide reference maps that could yield answers.</i>	1. Up to 4 g of bone or up to 50mg of tooth enamel (<i>detail specifics based on preservation</i>) 2. Surface etching of tooth enamel (up to 100mg). 1 st and 3 rd molars best. DESTRUCTIVE or SEMIDESTRUCTIVE
☐	Tooth Micro-wear Analysis	1. Did this person eat mainly crops or wild foods? 2. How did the food they eat affect their teeth?	Likely to produce some results on general dietary patterns	1. Many teeth studied under microscope, with images NONDESTRUCTIVE
☐	Radio-carbon Dating	1. How long ago did this individual die?	Likely to produce results if individual is <50,000 years old. <i>Detail any specific circumstances that add uncertainty.</i>	1. Up to 4 g of bone or 500mg of tooth enamel. DESTRUCTIVE
☐	Paleo-pathological Analysis	1. Did this individual suffer from diseases or skeletal stress during their lifetime?	Likely to produce results. <i>Detail any issues of preservation that may interfere or limit the kinds of pathologies that can be inferred.</i>	1. Many bones cleaned and studied under microscope NONDESTRUCTIVE
☐	Microscopic Bone Surface Analysis	1. What happened to the person after they died? 2. Is there evidence of trauma showing manner of death?	Likely to produce some results, but manner of death difficult. <i>Detail circumstances of preservation and missing elements.</i>	1. Many bones cleaned and studied under microscope NONDESTRUCTIVE

I, _____ (print name), stakeholder and _____ authority responsible for the human remains found and excavated at _____ in _____ of 20____, give my willing consent for _____ to undertake **only** the analyses for which my initials appear above. Analyses I do **not** wish considered I have indicated with the word “NO”.

Some of these analyses may be done in collaboration with other researchers possessing the necessary equipment and expertise. My signature and that of a witness are below. Desired conditions are printed below and detailed as attached.

STATEMENT OF RISKS AND AGREEMENT

With respect to the analyses described on Page 1 of this document:

I understand that some of the results of the desired analyses may be inconclusive or have unanticipated results.

I understand that _____ will pay all associated costs of permits, transport, and analysis for the desired analyses.

I understand that some of these analyses will take place in scientific laboratories selected by _____.

I understand that some of the selected choices may result in destruction of up to 5g of human bone and/or tooth enamel.

I understand that the _____ will seek additional permissions if they or their collaborators desire to produce academic publications and/or presentations about specific results.

I understand that _____ will provide an update on results or pending analyses one year from the date of signature.

I understand that I can revoke this permission in writing at any time.

All results and data from future studies remain the property of _____.

While results of the analysis are pending, the remains will be stored at the following location:

At the conclusion of the study, all samples and data will be stored as detailed below.

Additional conditions agreed at the time of signing (supporting details in attached documents):

Signature:

Witness Signature:

Title and Printed Name: _____

Address: _____

Phone number: _____

Email address: _____

Date: ____ (day) of _____ (month), 2023

Title and Printed Name: _____

Address: _____

Phone number: _____

Email address: _____

Date: ____ (day) of _____ (month), 2023