

## **RESEARCH SAMPLES & ANALYSIS PLAN**

In total, since the beginning of the PG sampling in December 2018, we've collected:

- 643 human bone and tooth samples from 233 individuals &
- 118 faunal & environmental samples

### **OXFORD C14/SI ROUND 1:**

All samples received in December 2018 & February 2019 were submitted in Spring 2019 except the human teeth (needed to be photographed & moulded)

- 45 Faunal & Environmental samples (Project 2019-03)
  - Sites for paired dating:
    - Little Sea: Kharansa I, Mys Uiuga, Shamanskii Mys
    - Upper Lena: Obkhoi, Ust'-Ilga, Verkholsensk
  - 35 service samples
  - Results expected: November 2019
- 41 Human bone samples (Project 2019-04)
  - Sites:
    - Angara: Glazkovo, Kirpichnyi Sarai, Kitoi, Leikha, Lokomotiv, Ust'-Belaia
    - Little Sea: Khadarta IV, Kurma XI, Mys Uiuga
    - Upper Lena: Obkhoi, Ust'-Ilga, Verkholsensk
  - 11 service samples
  - Results expected: December 2019

### **OXFORD C14/SI ROUND 2:**

Samples that were collected in July & August 2019

- Divided these samples into 2 projects because receiving/processing them is very time consuming
  - There are a lot of inconsistencies and mysteries in terms of provenience that need to be sorted out in order for the samples to be added to our database, which needs to happen before the samples can be submitted to Oxford
- 74 human bone samples from the Angara were submitted 2 weeks ago (Project 2019-06)
  - Sites:
    - Bratskii Kamen, Buret, Glazkovo, Kitoi, Moty-Novaia Shamanka, Nizhneseredkino, Verkhneseredkino, Ostrov Osinskii, Serovo, Shumilikha, Ust'-Belaia, Ust'-Ida I, Ust'-Uda
  - Results expected: April 2020

### **OXFORD C14/SI ROUND 3:**

- This leaves 84 human individuals from the most recent round of sampling with unsubmitted bone samples (Project 2019-11):
  - Sites:
    - Fofanovo (34)
    - Upper Lena (12)
      - Makrushino, Silinka, Nikilei, Tolmachevo
    - Little Sea (46)
      - Khadarta IV, Mys Uiuga, Tuakhane IX, Uliarba II
- Also 6 terrestrial herbivore samples for paired dating
  - From Nizhneseredkino, Fofanovo, Makrushino & Mys Uiuga
- Will submit sometime in October
- Results expected: May 2020

### **OTHER - HUMAN TEETH:**

418 teeth representing 163 individuals

- Need to be moulded & photographed
- ~20 for Dan Temple
- The rest are for aDNA & microsampling but we need a research plan & people to conduct these analyses so for now we are just focusing on moulding & photographing them so they are ready when the time comes

### **OTHER – FAUNAL & ENVIRONMENTAL SAMPLES:**

- Taken directly to Oxford by Rick Schulting:
  - 16 modern whitefish skeletons from the fish market in Kultuk for bone/flesh fractionation tests
  - 3 prehistoric red deer canines from Shamanka II for C14 dating
  - 4 sediment samples from Shamanka II EBA graves
- 5 service samples from Bol'shoi Iakor' I (Vitim)
- 19 modern fish samples for SI analyses only (no C14 dating)
  - From Irkut River near Moty-Novaia Shamanka

### **OTHER – MASTER DATABASES:**

- We are working on a master database for all faunal & environmental samples, similar to the one that exists for the human samples. We hope to have it ready by the end of 2019.