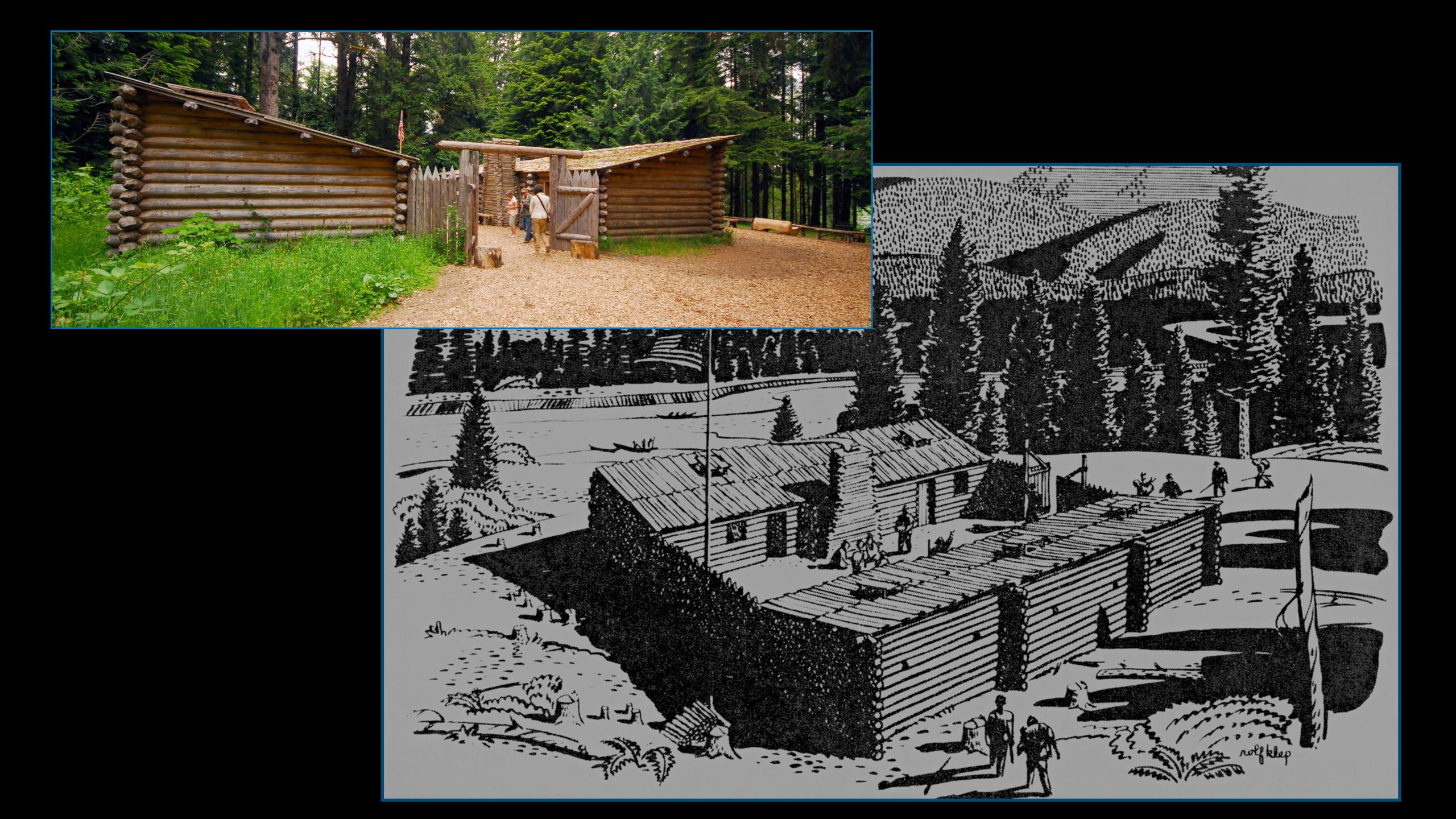
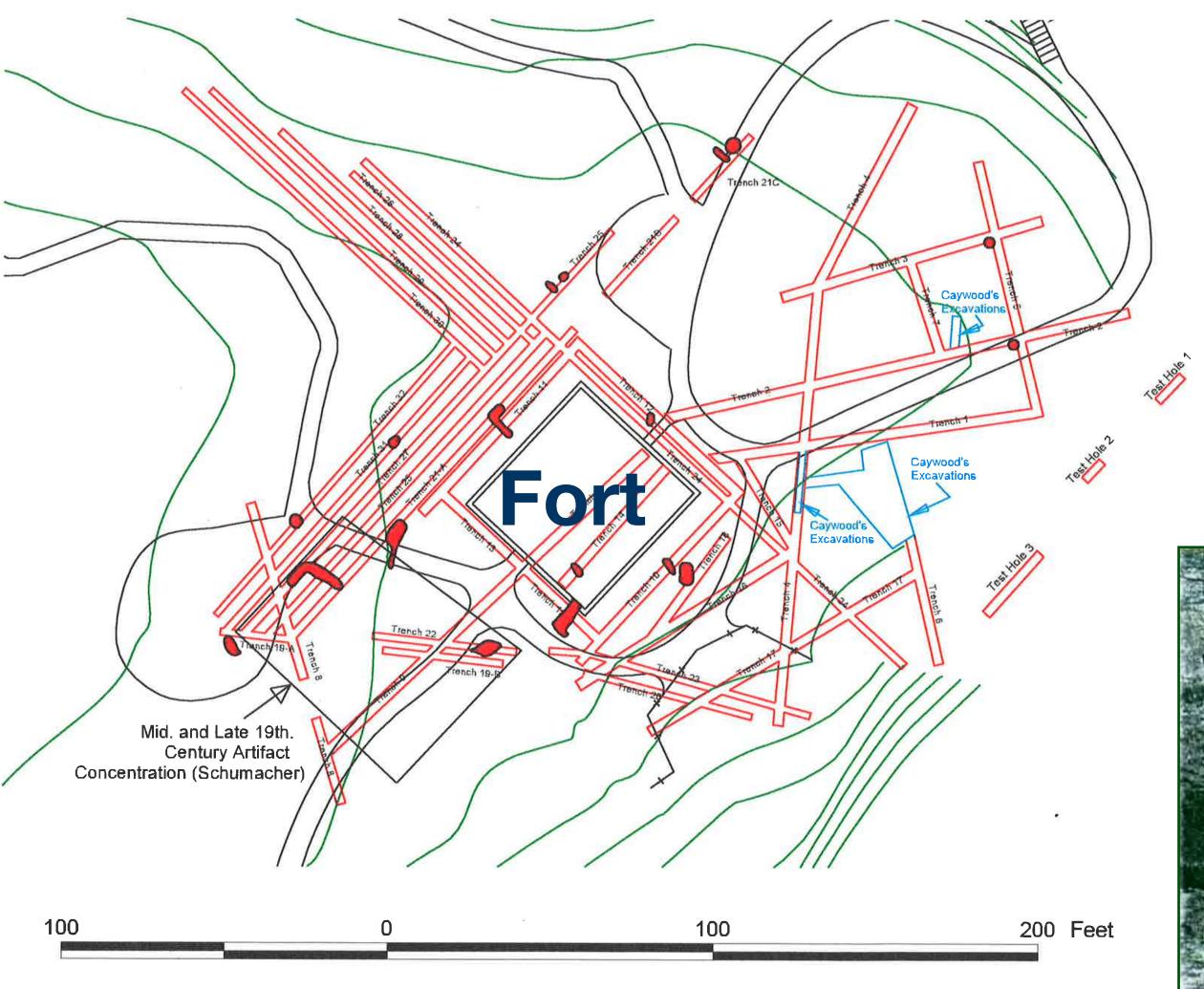


Professor, Department of Anthropology Director, Northwest Coast Archaeology Lab Washington State University (Vancouver)

Tyler Baley (WSU)
Glen Kirkpatrick (L&C Heritage Trail Foundation)
Rachel Stokeld (NPS - L&C National Historic Park)



Archeology at Fort Clatsop N. M.



Legend

Firepits

Schumacher Trenches

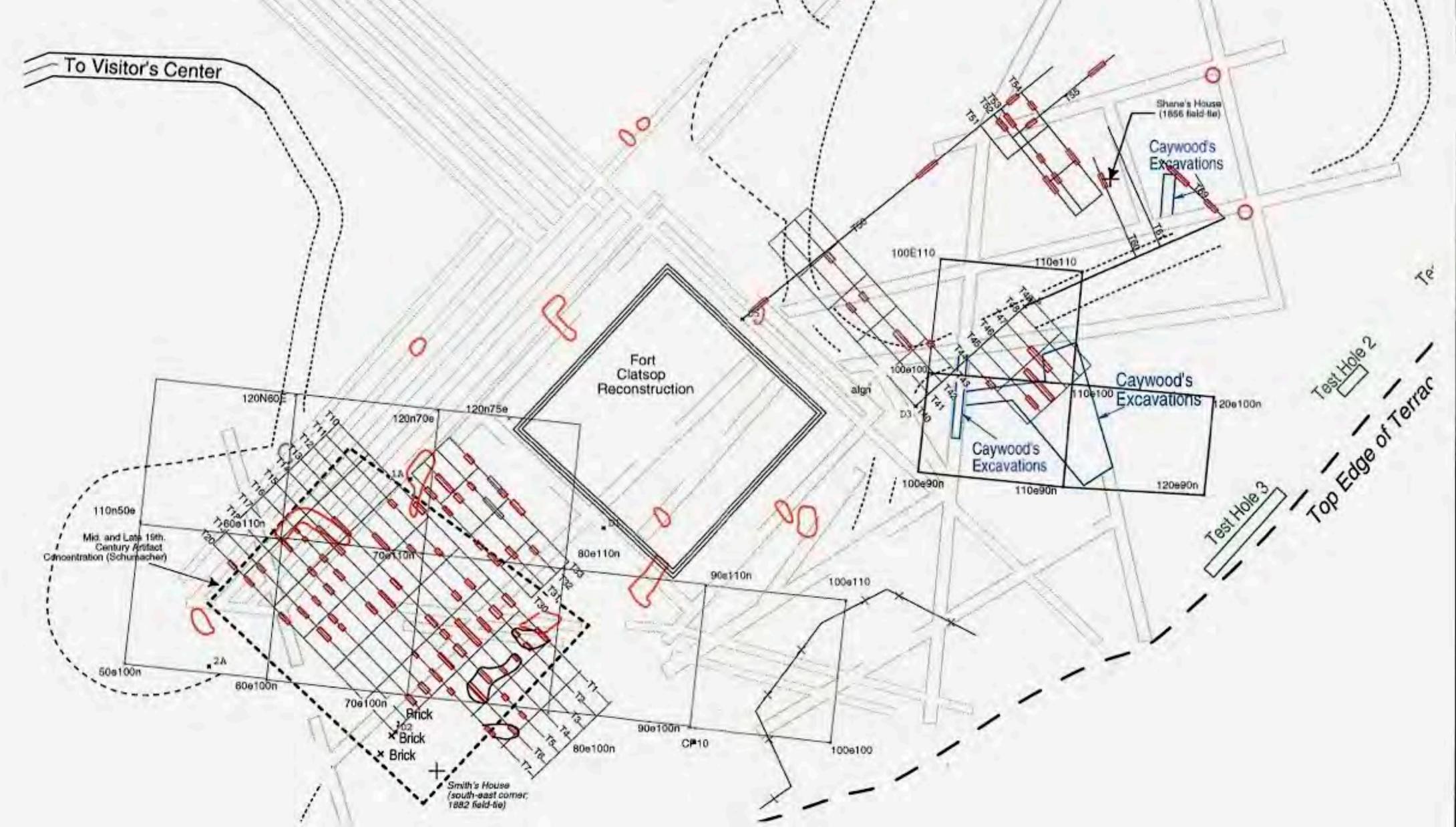
Caywood Trenches

_____ Existing Trails & Buildings

_____ Topographic Contours



Past Geophysical and Remote Sensing Investigations

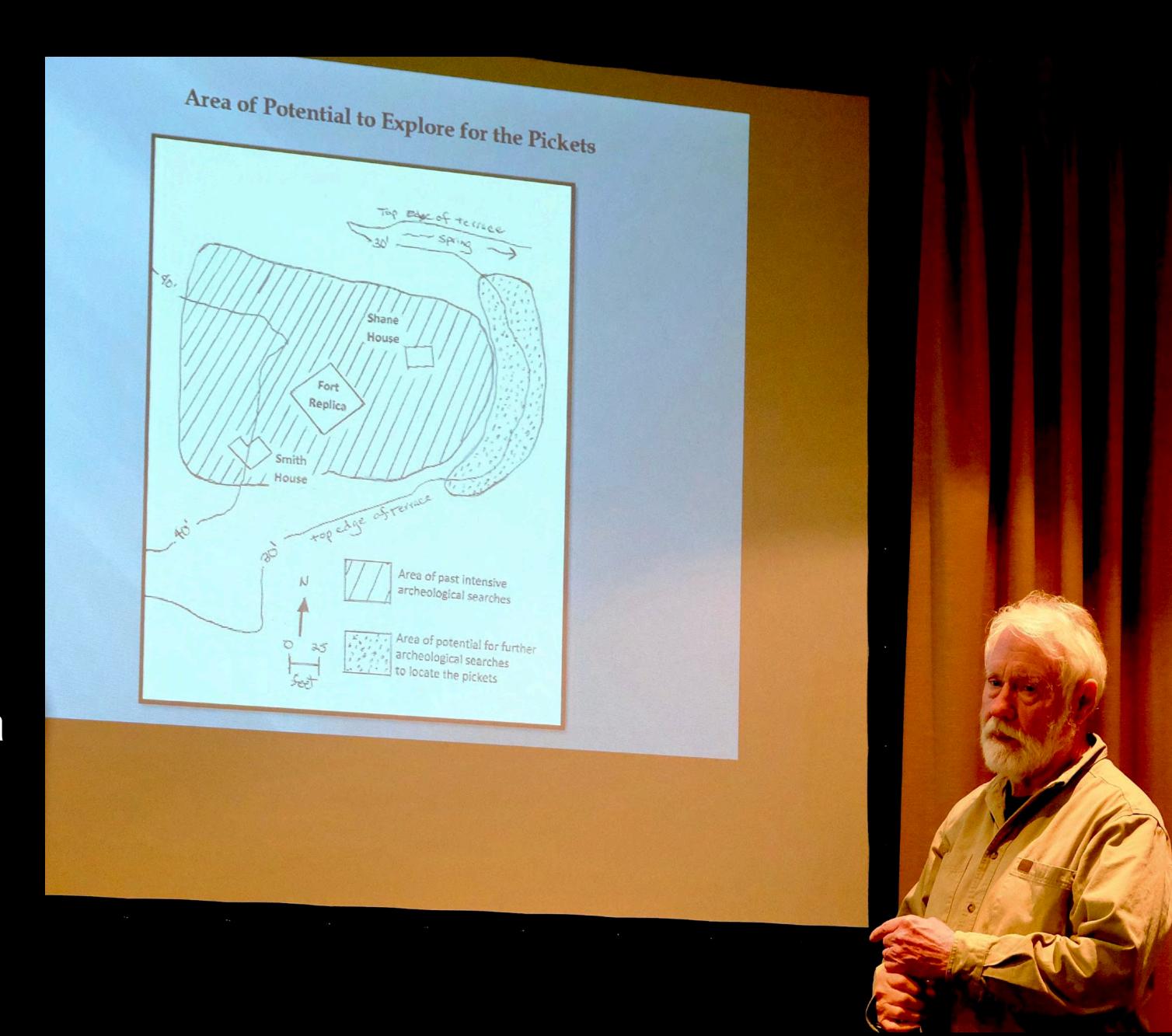


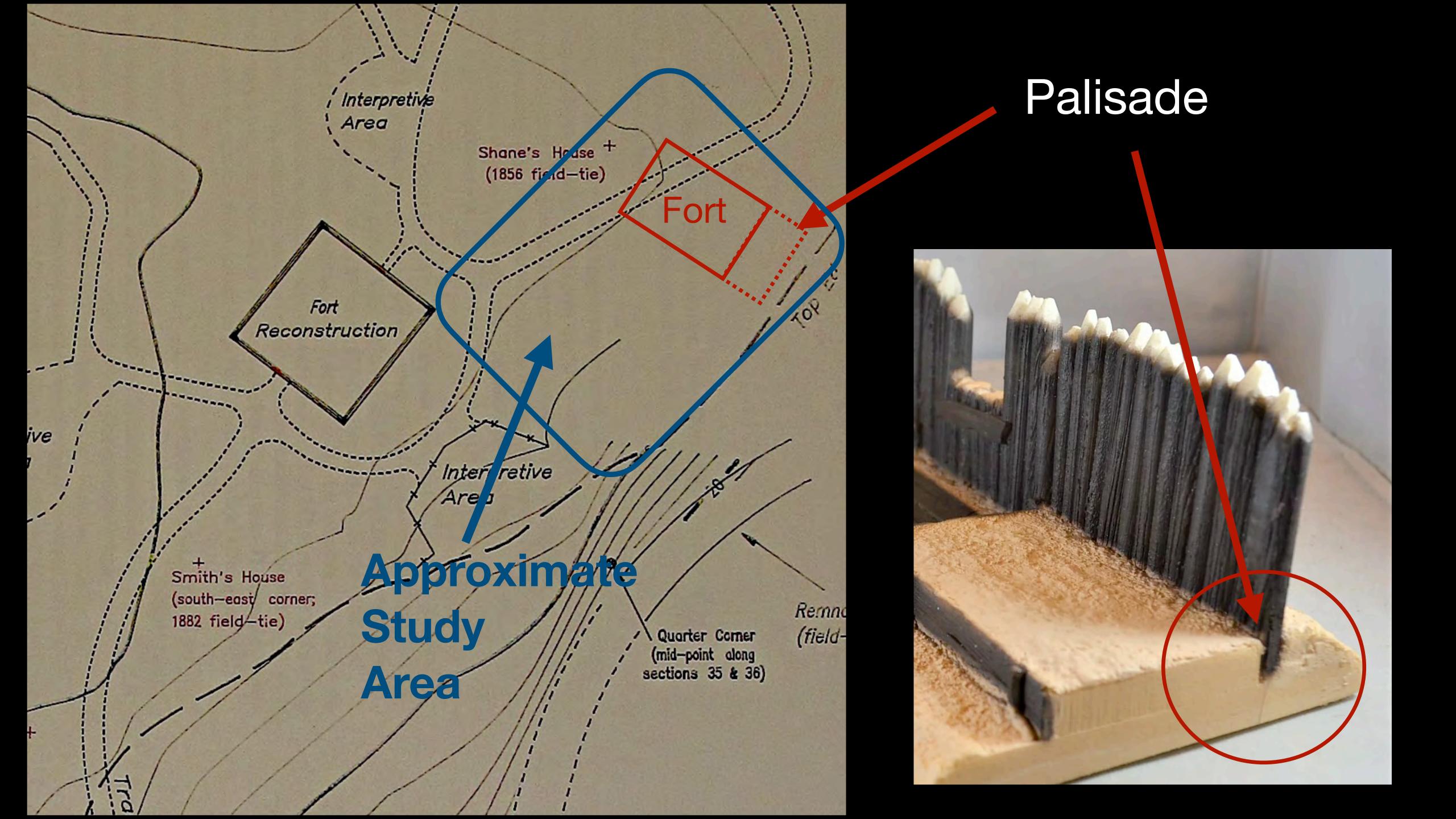
GOAL:

To survey the area north & east of the fort existing replica

RATIONALE:

new interpretations of L&C journals and re-evaluation of the landform suggest the fort may have been NE of the replica





The Challenges:

The fort was a short term use structure, with limited subsurface impacts of the kind GPR recognizes

The inferred palisade trench would be the only element of the fort that had subsurface impacts (other than perhaps pits and other non-structural elements)

The ground has been substantially disturbed since the fort was abandoned, including by ambitious archaeologists

Past research projects (including remote sensing/ geophysical surveys) were limited, not consistently referenced in space, not fully reported, or carried out with dated equipment (sometimes all the above!)

Fieldwork crew (WSU unless otherwise noted):

Colin Grier (Director)

Marsha Small (Cheyenne Nation, Montana State University)

Tyler Baley

Kate Shantry

Cameron Blumhardt

Funding:

Lewis and Clark Trail Heritage Foundation (lead: Glen Kirkpatrick)

Washington State University

National Science Foundation (Grier's GPR grant)

On the Ground Support:

National Parks Service (Rachel Stokeld)

Fieldwork:

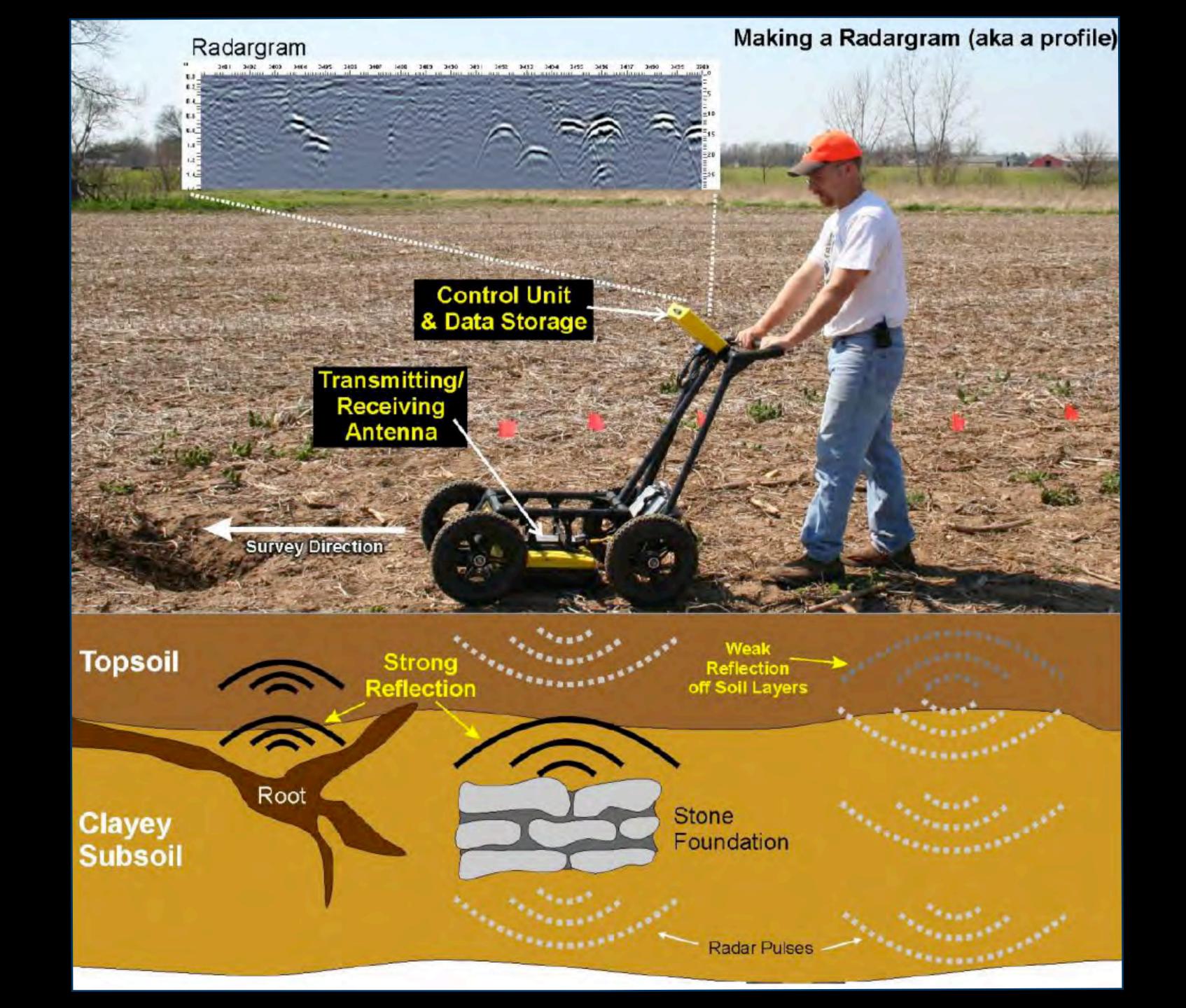
2 rounds — April 15 & 16, 2022 and September 23, 2022

fieldwork completed under late winter (saturated) and late summer (dry) conditions

Why? GPR signals respond differently to moisture in different circumstances (typically moisture/water obscures things, as it decreases contrasts)



GPR Fundamentals



GPR Fundamentals

