

# New Discoveries at Upward Sun River (Xaasaa Na')

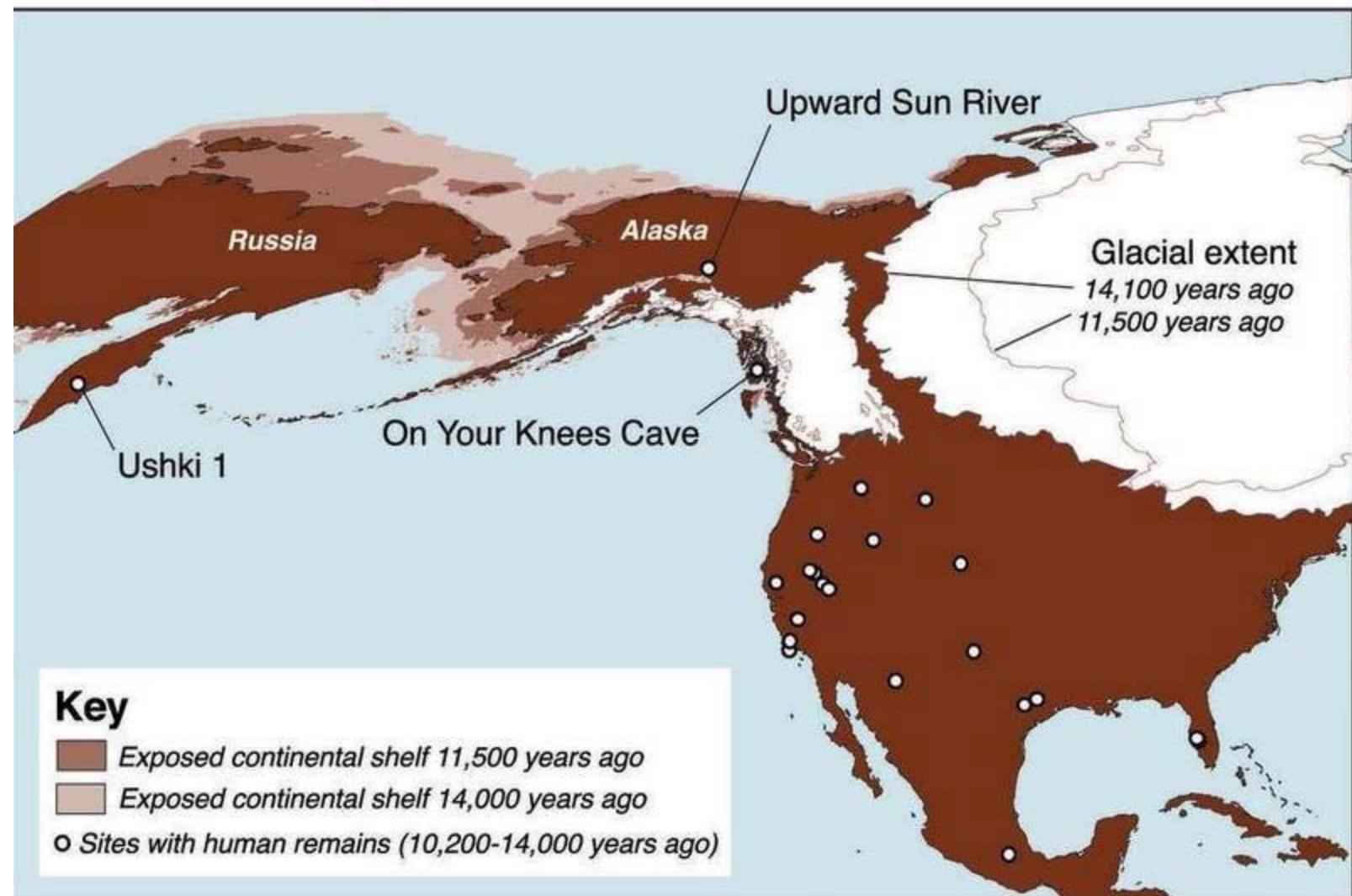
Ben A. Potter, Joel D. Irish, Joshua D. Reuther,  
Carol Gelvin-Reymiller, and Vance T. Holliday  
(University of Alaska Fairbanks and University of Arizona)



Discovery team

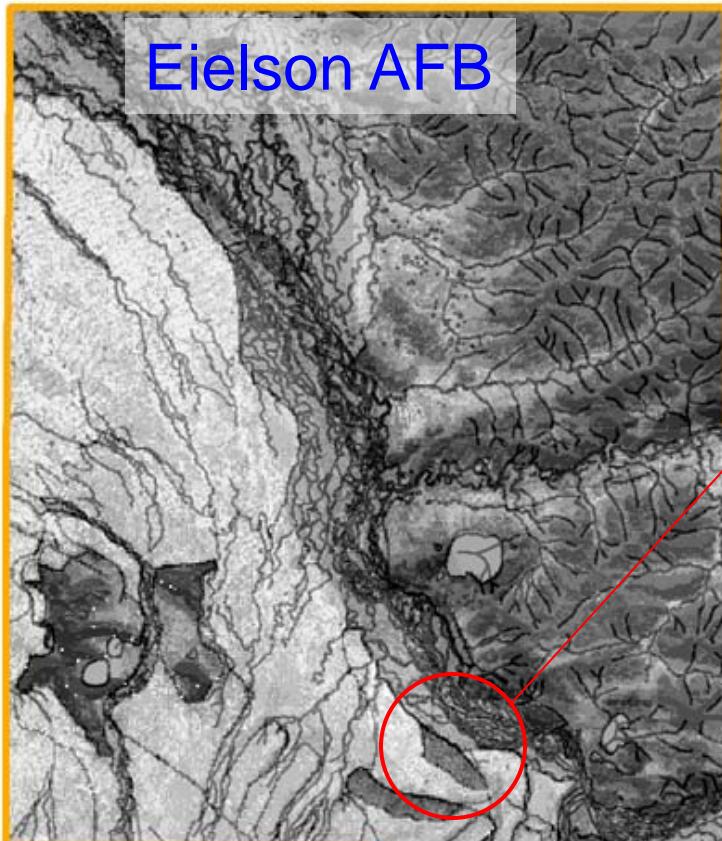
# New Discoveries at Upward Sun River

## Known early human remains

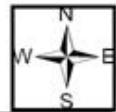


Map courtesy of Ben Potter, University of Alaska Fairbanks

# Previous Work: 2005 Model



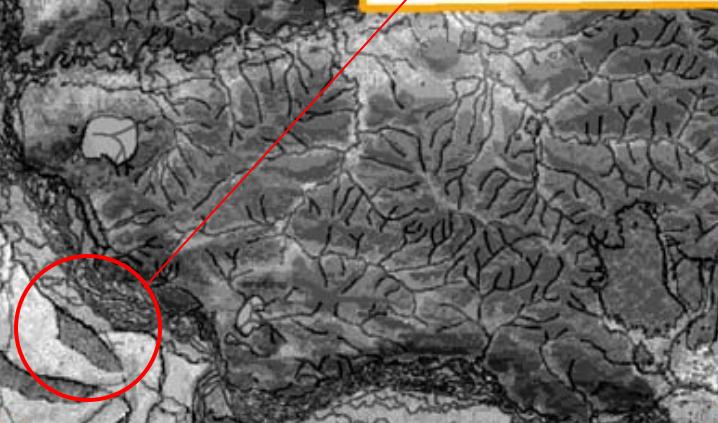
Little Delta dunes



0 8  
Kilometers

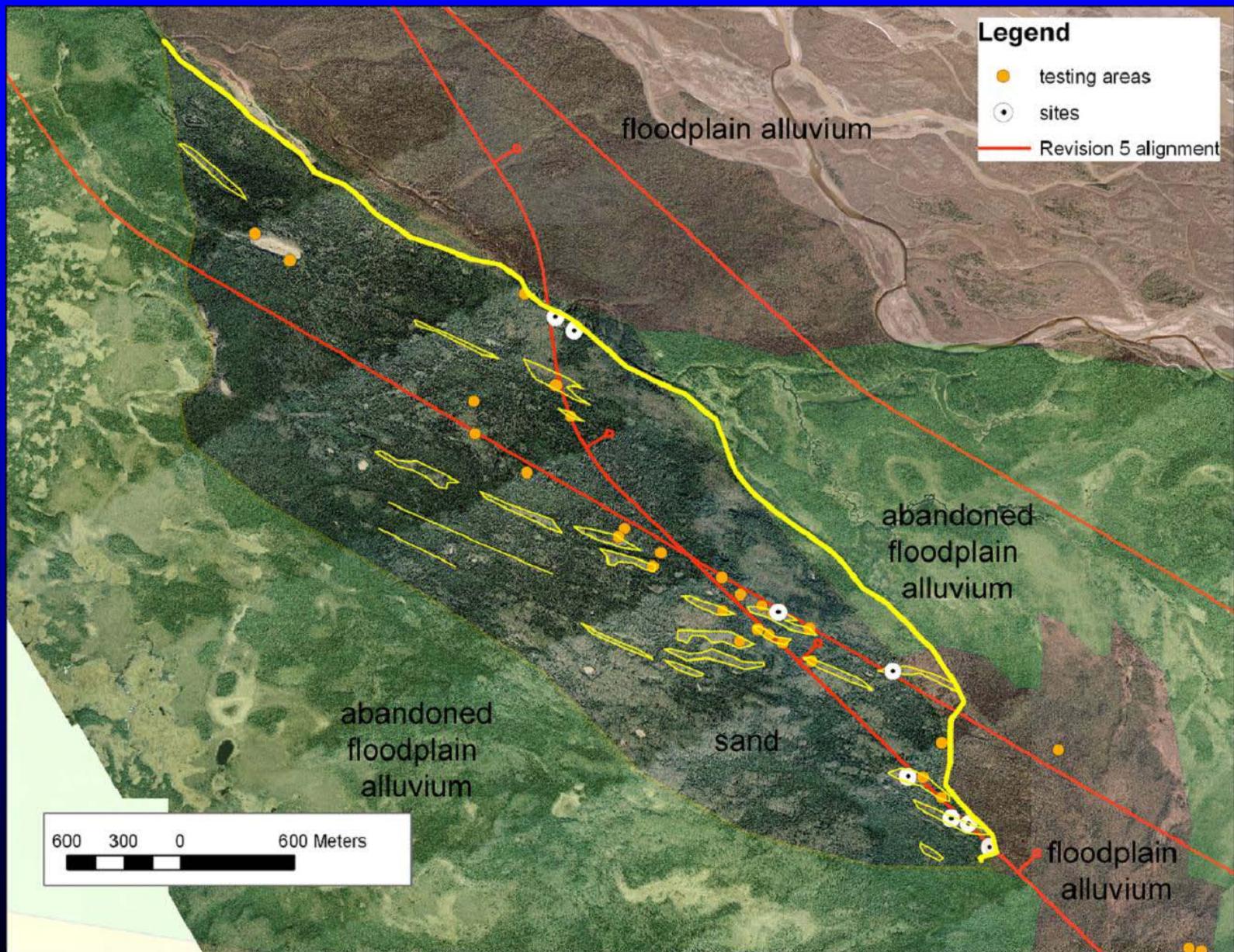
## Legend

### MODEL



Delta  
Junction

# Little Delta Dunes

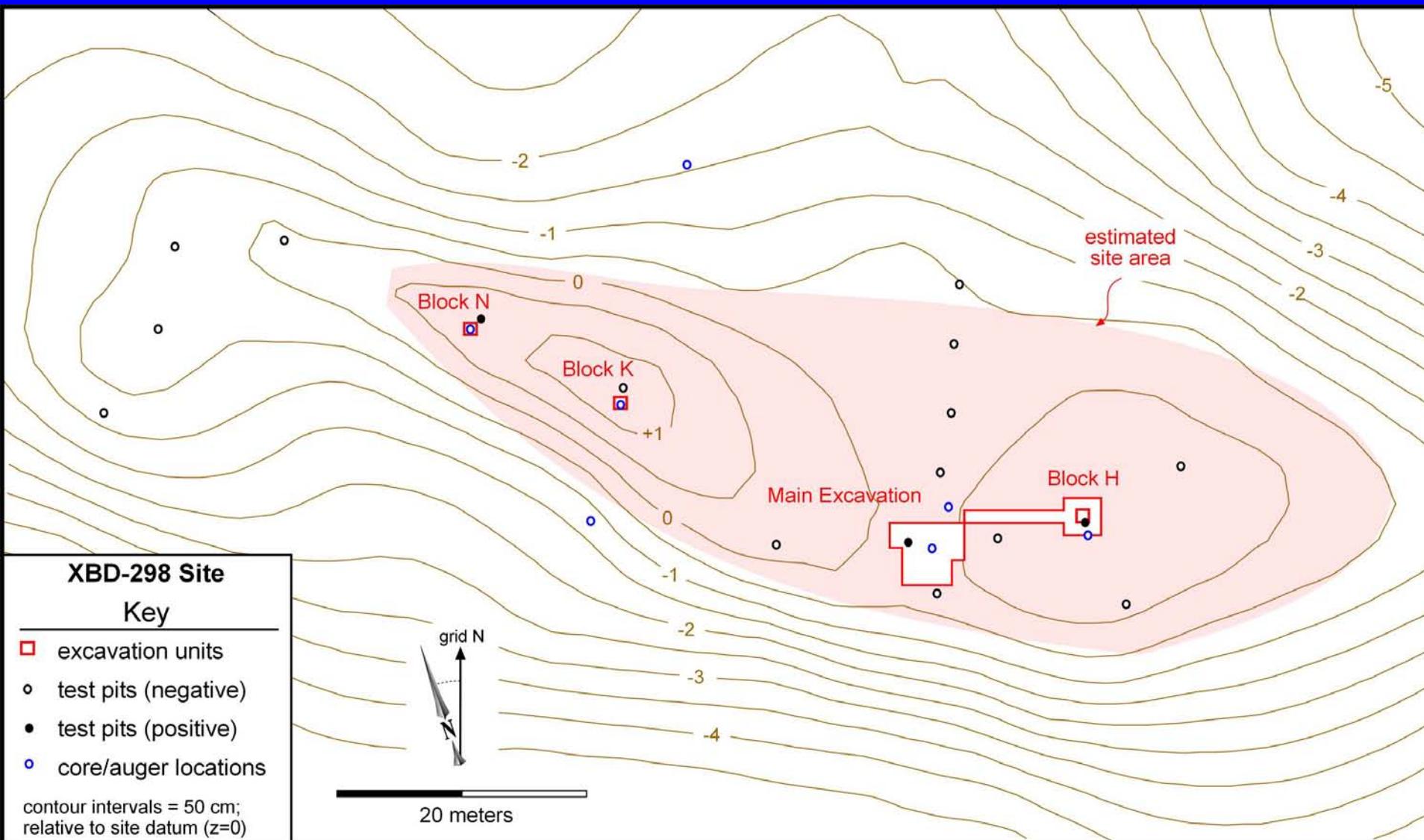


# Upward Sun River: 2007



# Upward Sun River: 2010

## Site Environs

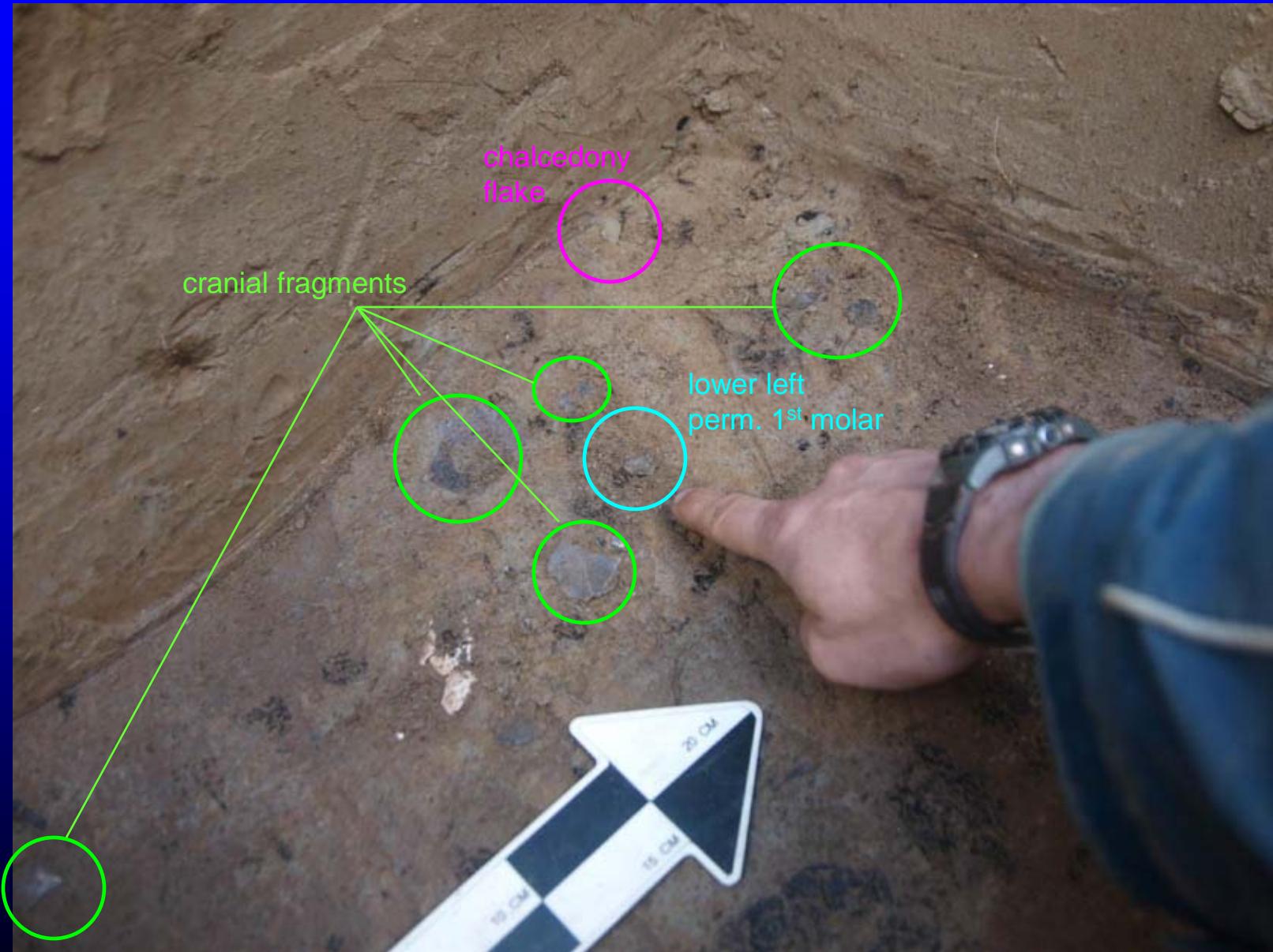


# Upward Sun River: 2010

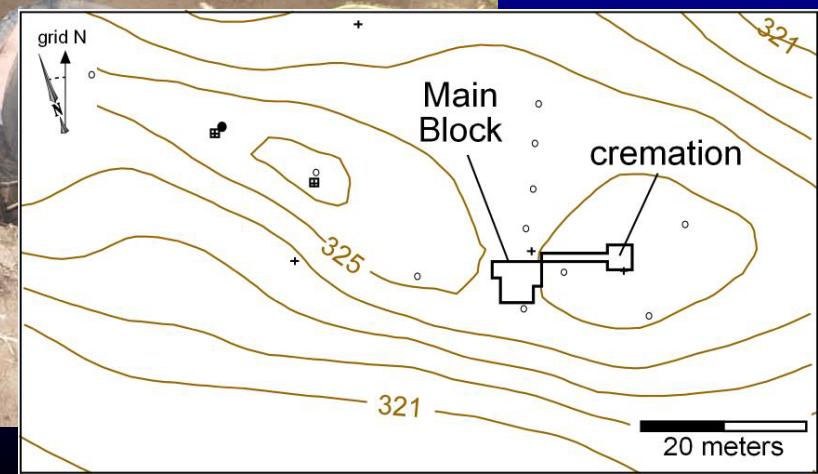
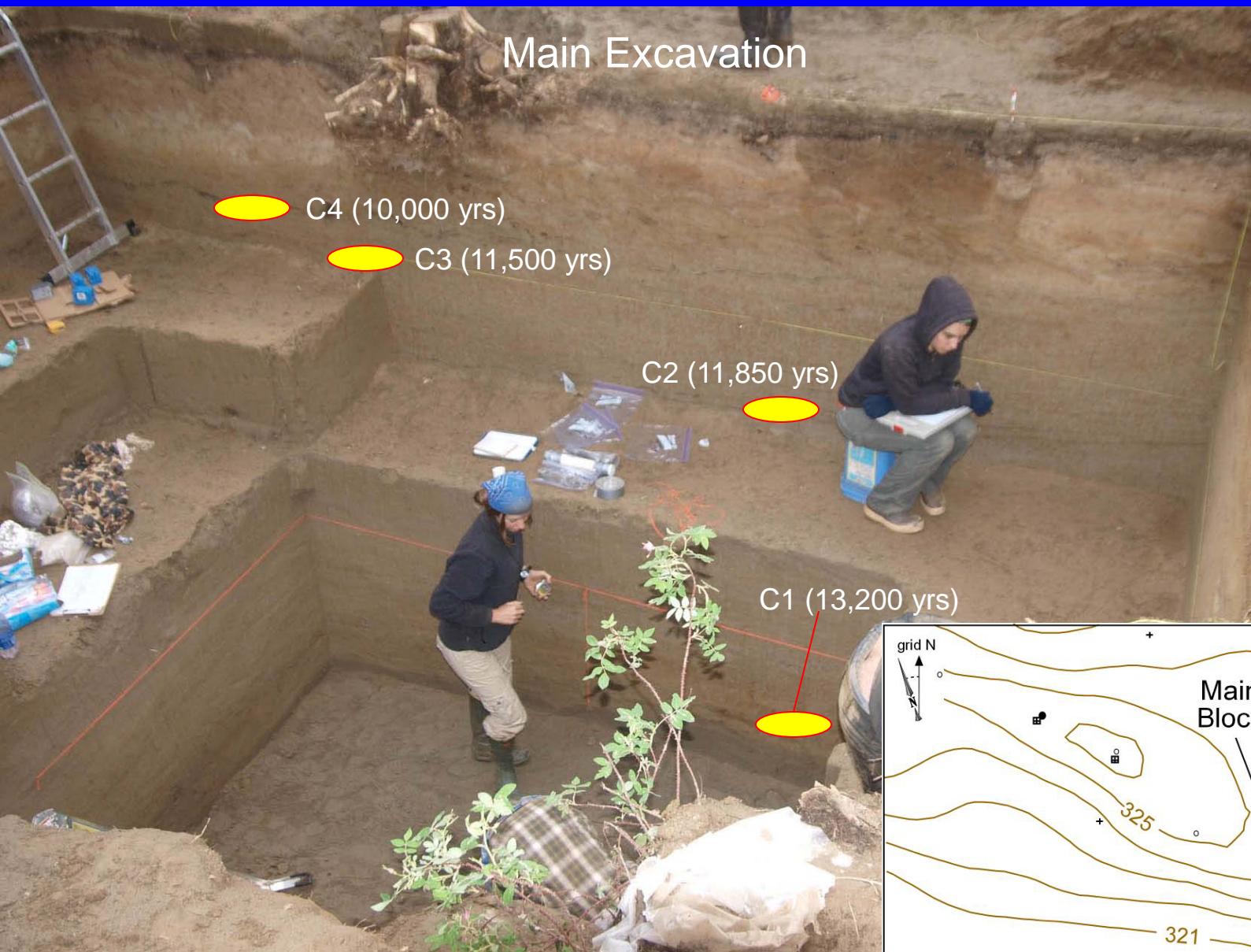


# Upward Sun River: 2010

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# Upward Sun River: 2010



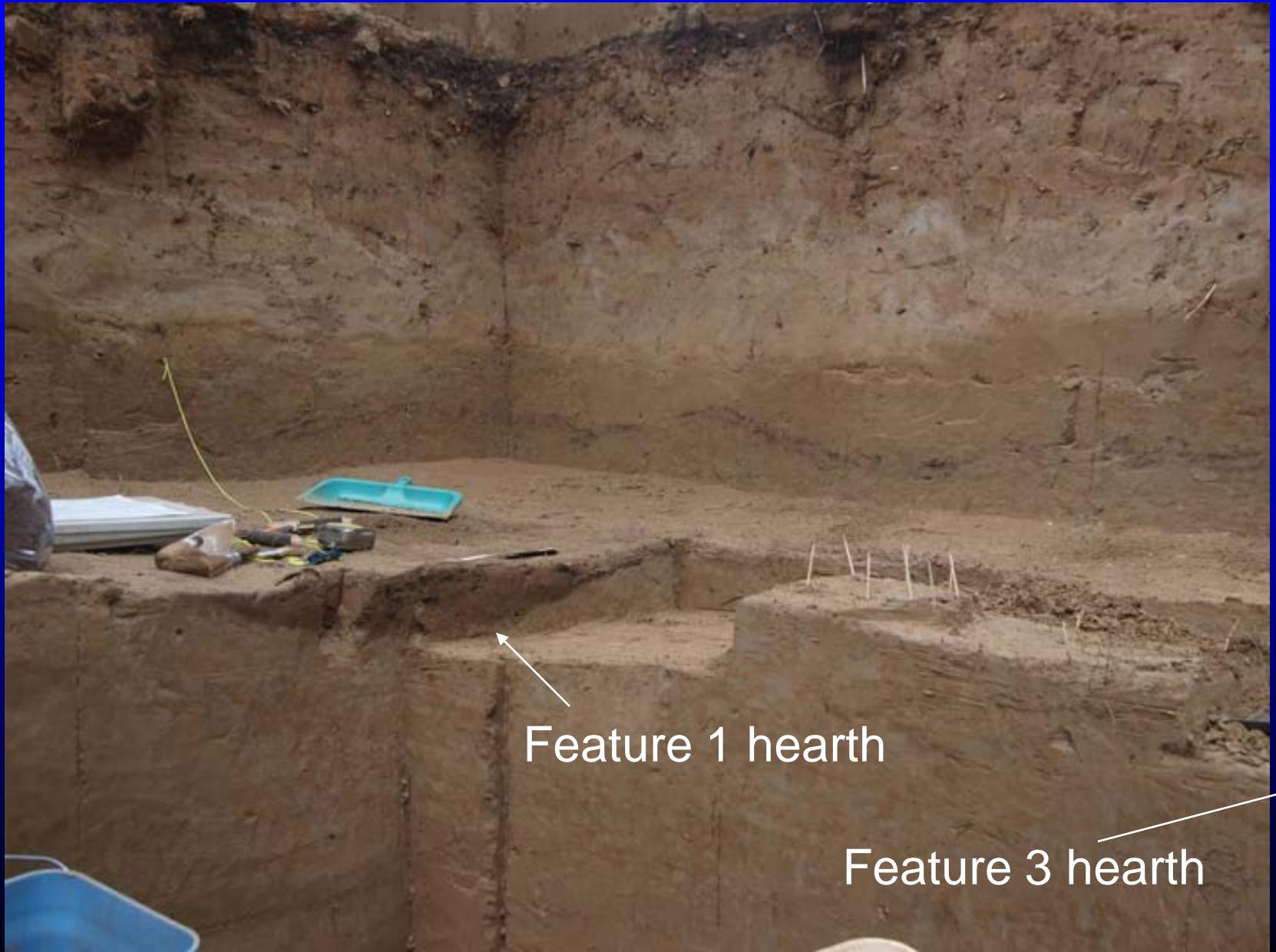
# Component 1 (~13,200 cal BP)

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# Component 3 (~11,500 cal BP)

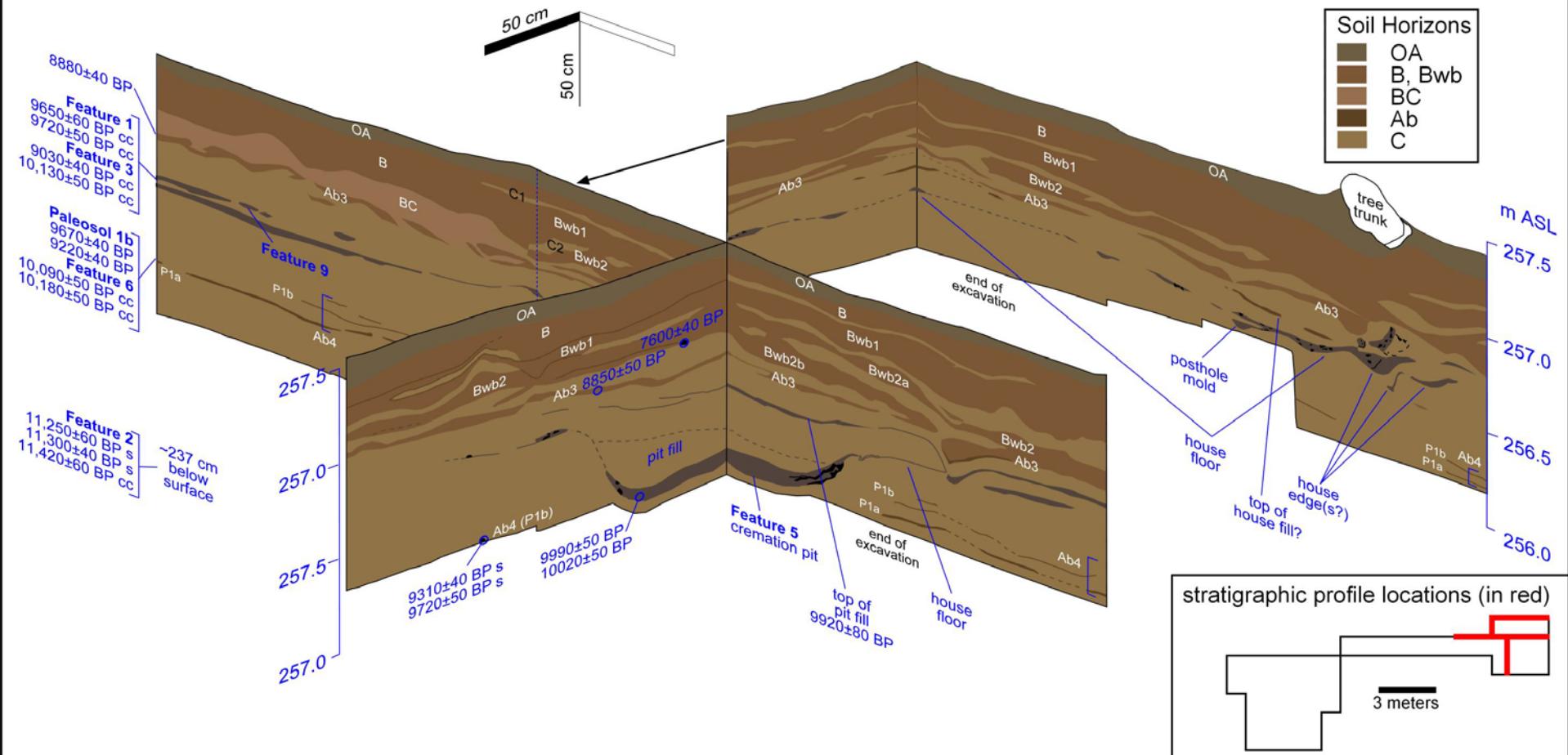
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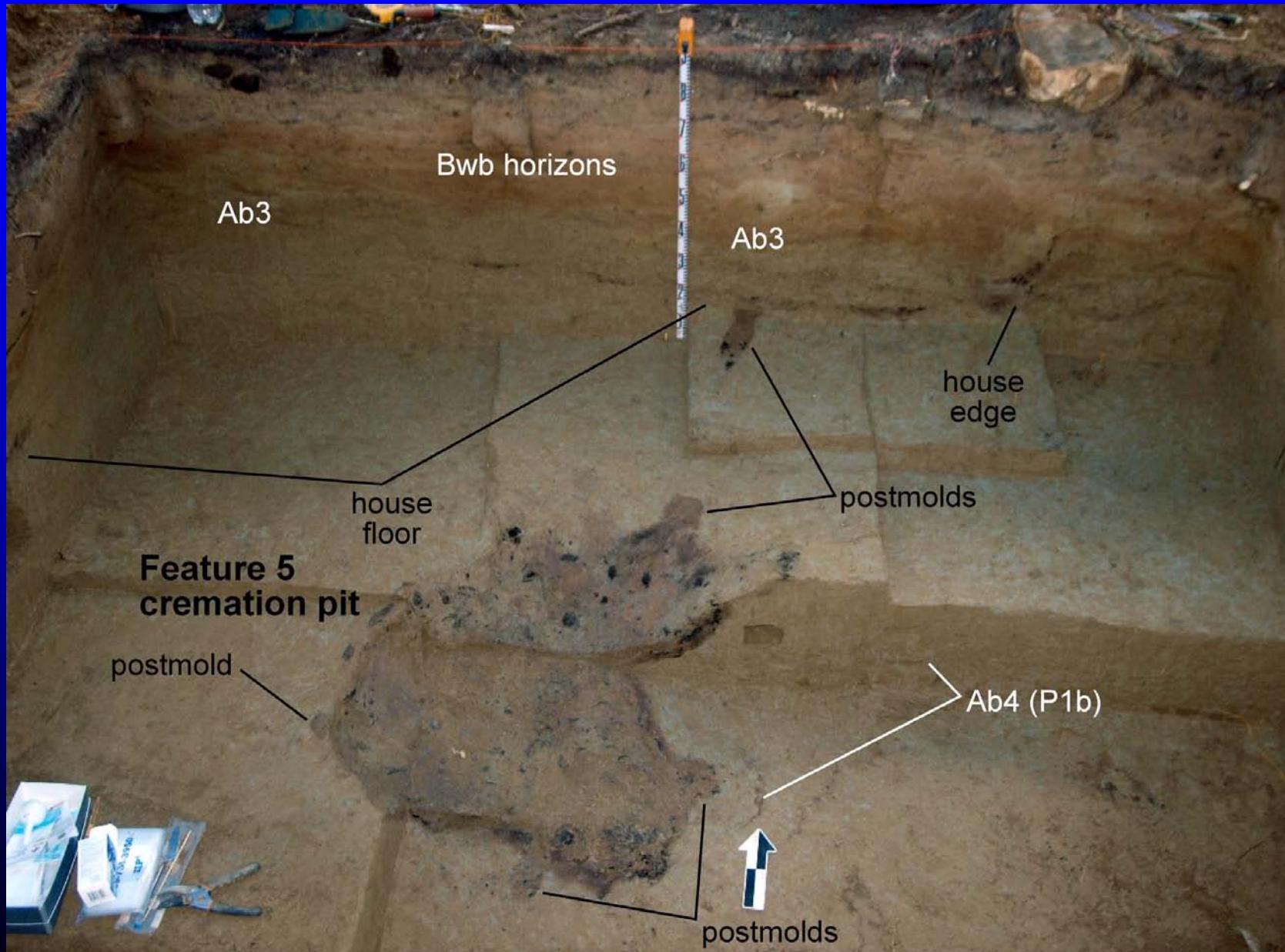
# Component 3 (~11,500 cal BP)



# Stratigraphy



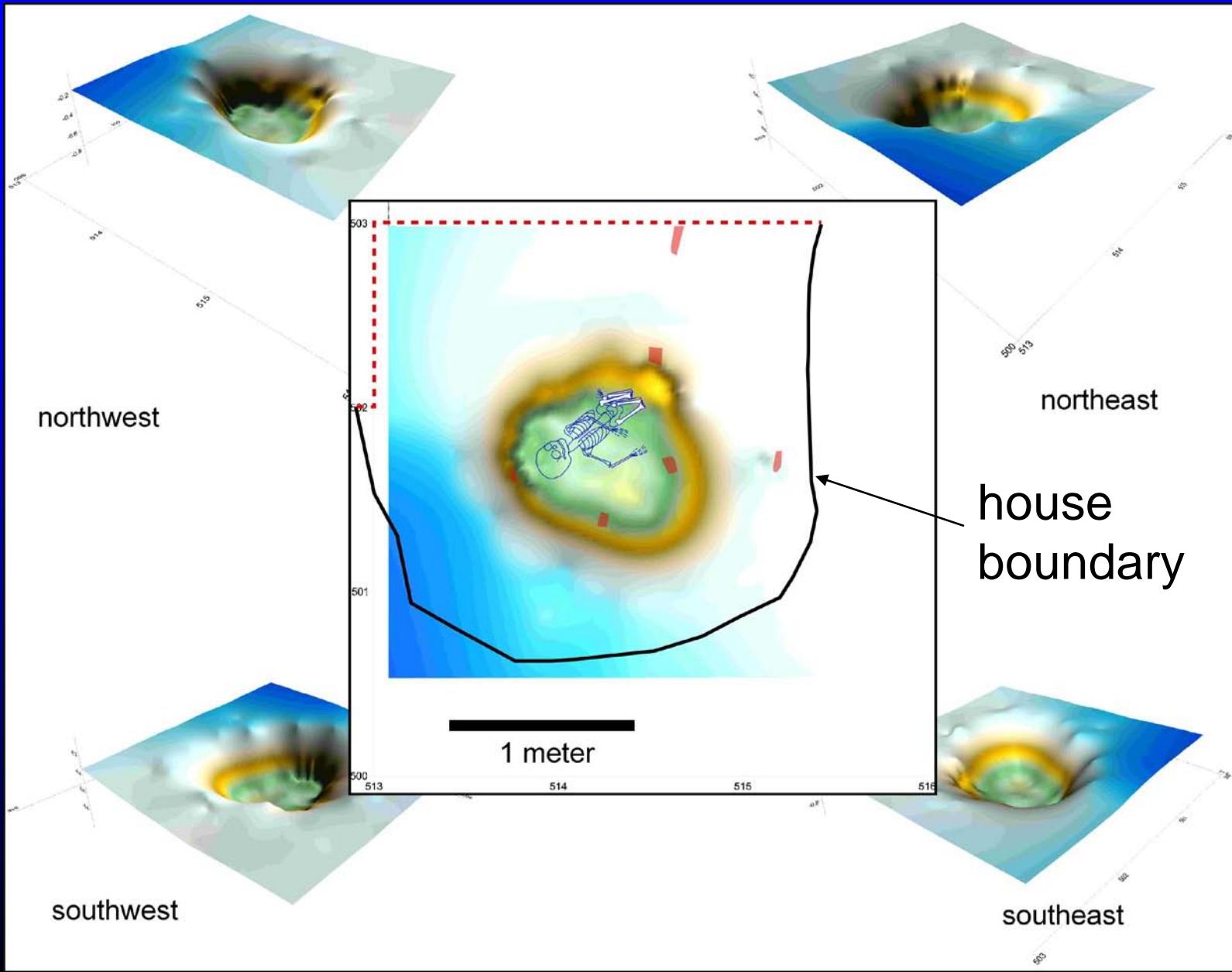
# Component 3 house feature



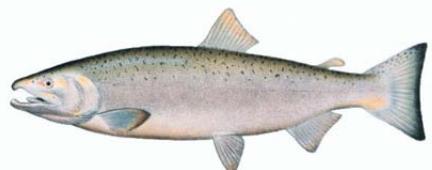
# Component 3 cremation



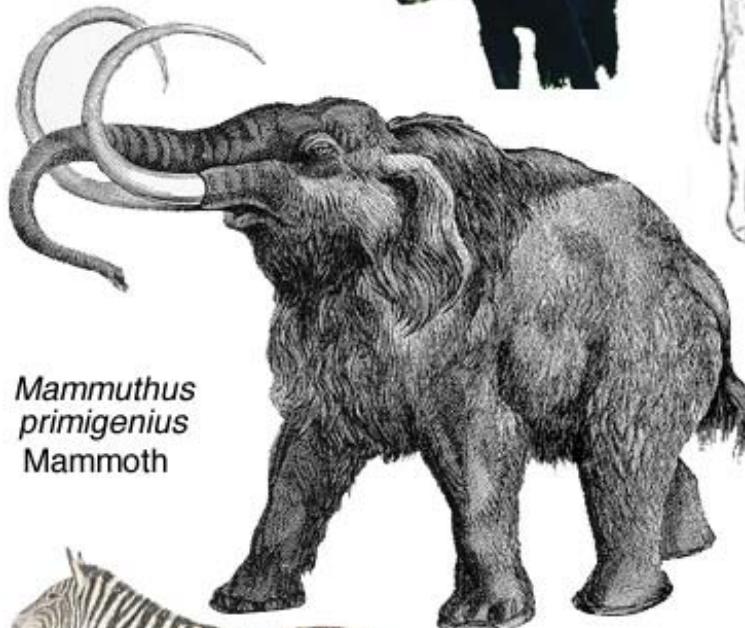
# Component 3 cremation



# Component 3 fauna



*Ursus americanus*  
Black bear



*Mammuthus primigenius*  
Mammoth



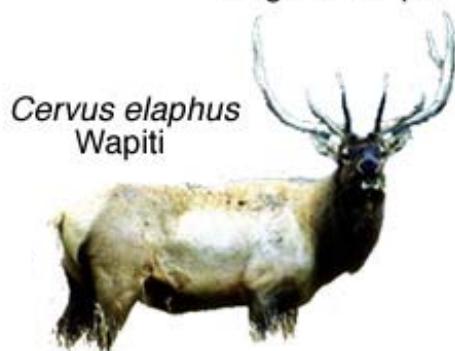
*Equus sp. (lambei)?*  
Pleistocene horse



*Bison priscus/bison*  
Steppe bison

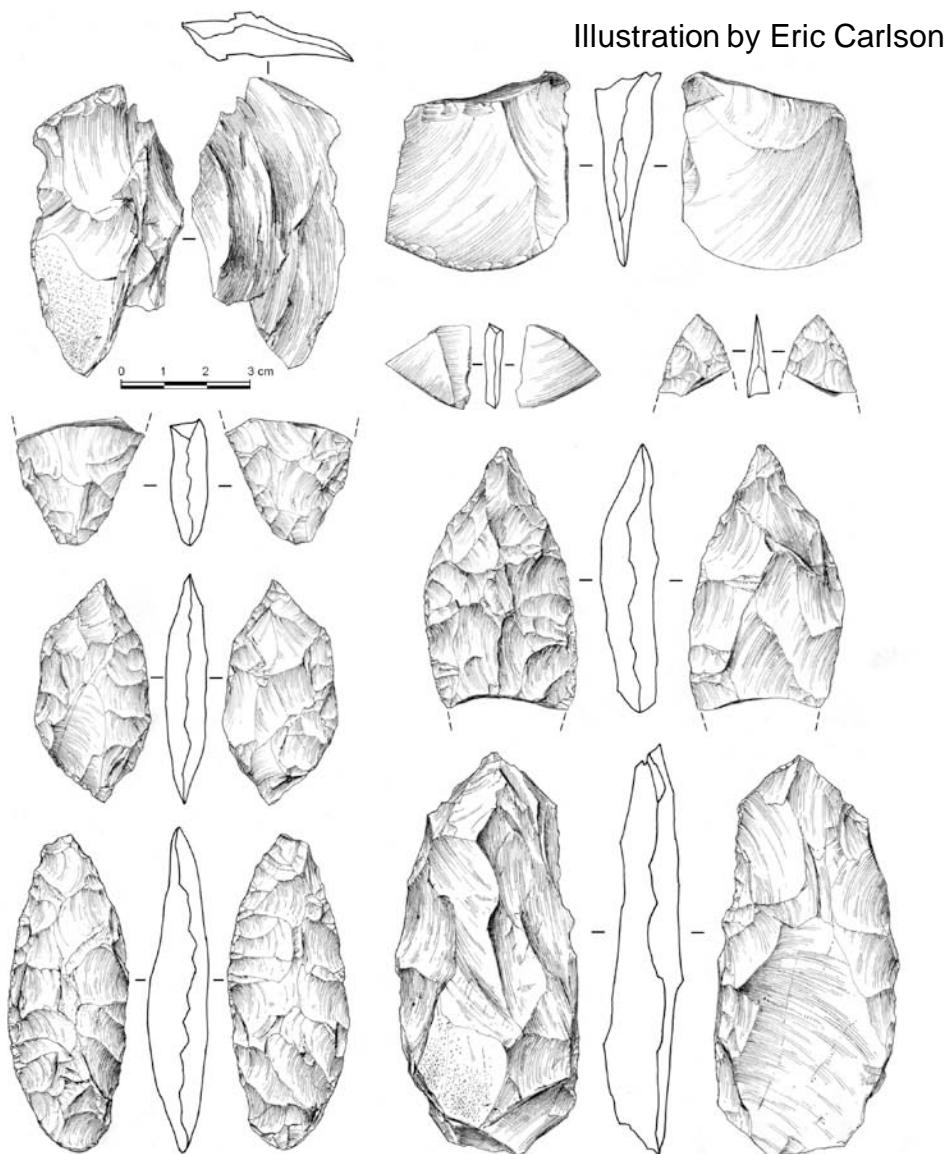


*Saiga tataricus*  
Saiga antelope

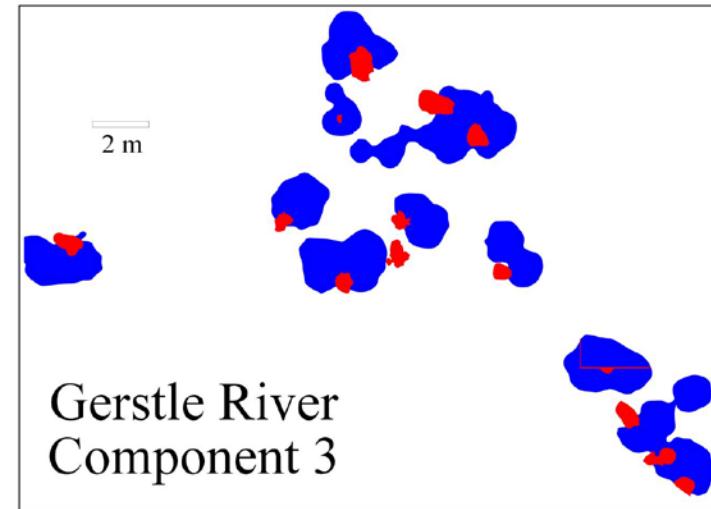


*Cervus elaphus*  
Wapiti

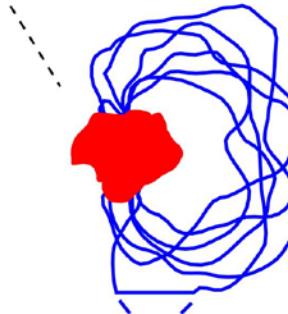
# Component 3 lithics



# Conditioning factors for assemb. variability



Gerstle River  
Component 3



## outdoor activity areas

- large game: primary butchery
- large game: marrow extraction
- microblade production/  
composite tool maintenance

# Consultation in the Field

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# Acknowledgments

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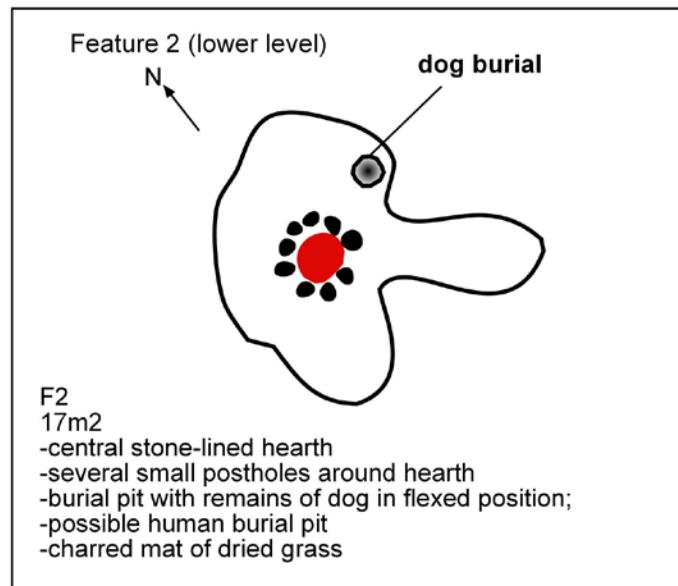
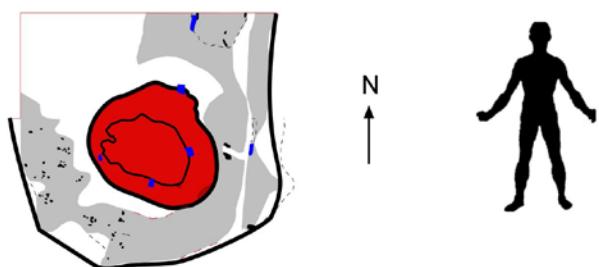
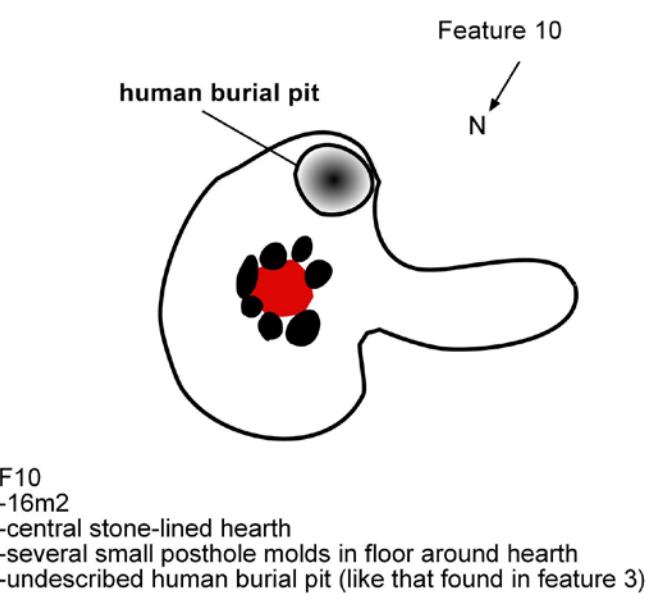
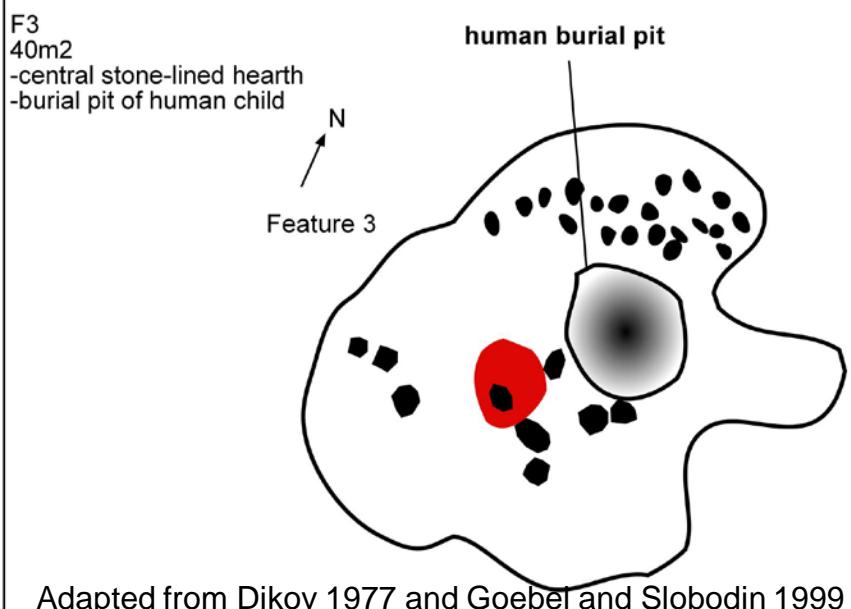
*Healy Lake Tribe*, JoAnn Polston  
*Tanana Chiefs Conference*, Jerry Isaacs, Robert Sattler

*Field Crew*

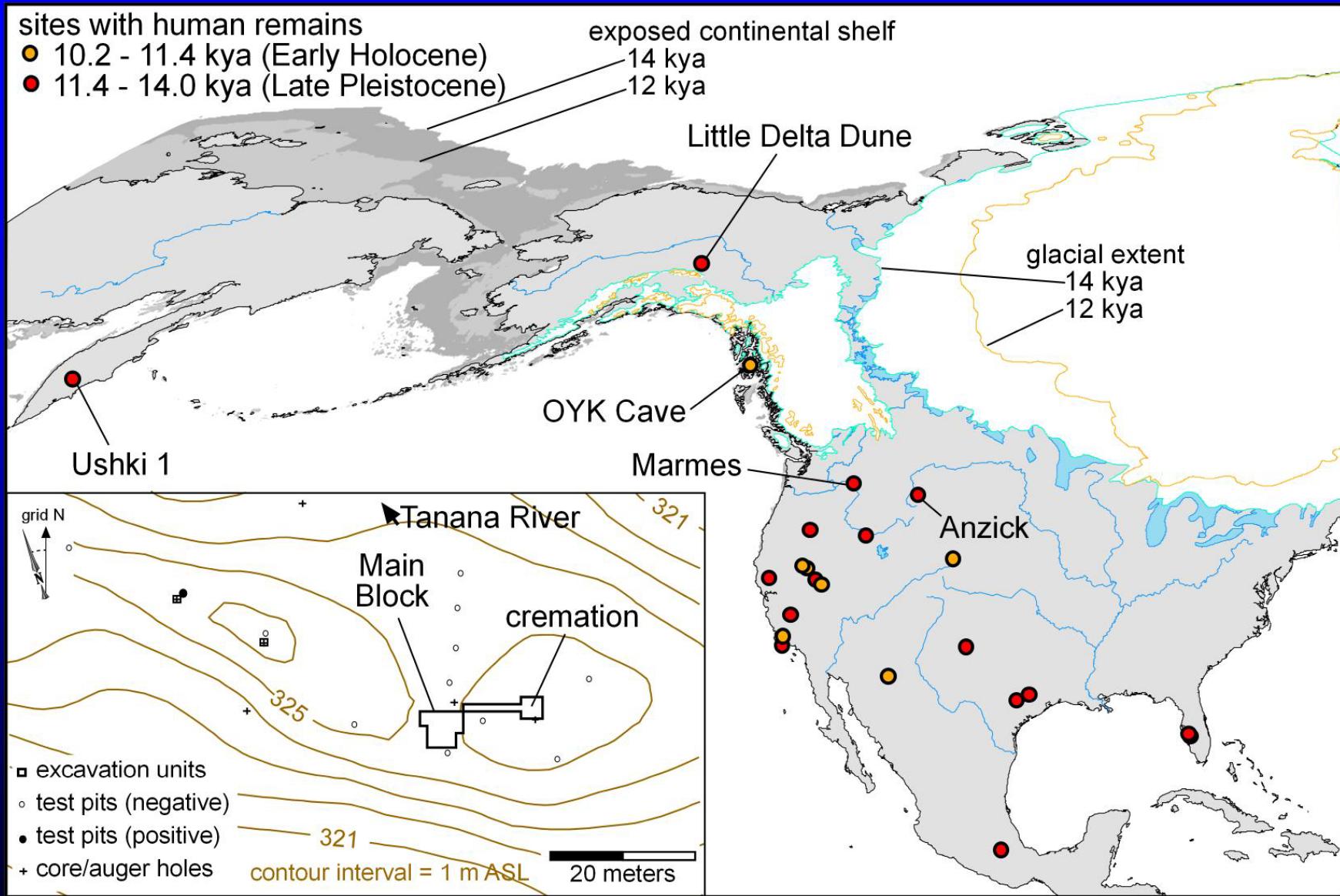
*Funding:* NSF grants 0813819, 1057448



# Ushki 1, Level 6 Houses and Burials



# Early Human Remains



# LDD Structure

