

ARCHAEOLOGICAL SOCIETY OF ALBERTA 41ST
ANNUAL CONFERENCE/AGM

APRIL 29-MAY 1, 2016

High River, Alberta

Hosted by the Calgary Centre

Friday, April 29	6:00 – 9:00 pm: Registration and Opening Reception at Museum of the Highwood in the old Train Station (406 1 st Street SW, High River). Light snacks and a cash bar will be available.
Saturday, April 30	8:00 am: Registration continues at the Highwood Golf and Country Club (400 7 th Street NW) 8:30 am - 4:00 pm: Speaker Sessions/Poster Session 4:30 pm – 5:00 pm: AGM 5:30 pm - 10:00 pm: Cocktails & Dinner, Banquet Speaker: Marty Magne (Parks Canada): <i>The Search for Franklin’s Lost Ships and the Discovery of HMS Erebus</i>
Sunday, May 1	9:00 am (tentative start time): Field Trip

CONFERENCE REGISTRATION

Name: _____

Affiliation (ASA Centre or other): _____

Address: _____

Phone No: _____ Email: _____

- Early Bird Registration (**before April 15**; incl. sessions, lunch, coffee, banquet, speaker): **\$65**
- Full Registration (**after April 15**; incl. sessions, lunch, coffee, banquet, speaker): **\$75**
- Saturday sessions only (incl. lunch & coffee breaks): **\$40**
- Banquet/speaker only: **\$40**

TOTAL PAYMENT \$ _____

For more information, please contact:
info@arkycalgary.com

Please make cheque payable to:
ASA – Calgary Centre

To register, mail completed form and cheque to:
Archaeological Society of Alberta – Calgary Centre
North Hill Postal Outlet Box 65123
Calgary, AB T2N 4T6

Archaeological Society of Alberta
CONFERENCE & ANNUAL GENERAL MEETING
High River, AB April 29-May 1, 2016

PRESENTATION SCHEDULE
April 30, 2016

- 8:30 - 8:45** **Introduction: Alberta's Program to Address Flood Impacts to Archaeological Resources**
Darryl Bereziuk, Director Archaeological Survey, Historic Resources Management Branch
- 8:45 - 9:15** **Changing Rivers, Changing Landscapes: new perspectives on Quaternary palaeontology and archaeology from the Bow River Basin, Alberta.**
Michael C. Wilson, Emeritus Faculty, Earth & Environmental Sciences, Douglas College, New Westminster, BC; and Adjunct Professor of Archaeology, Simon Fraser University, Burnaby, BC.
- 9:15- 9:45** **Preliminary observations on organic-rich sediments revealed by 2013 floods along the Highwood River, southwest Alberta**
Alwynne B. Beaudoin (Royal Alberta Museum), Matthew Bolton (Royal Alberta Museum) and Lisa Bohach (Stantec Consulting Ltd.)
- 9:45 - 10:15** **Discovering some of the Highwood's Secrets: 2014 Archaeological Flood Impact Assessment of the Highwood River from Longview to the Bow River**
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- 10:15 - 10:30** **COFFEE BREAK**
- 10:30 - 11:00** **A Tale of Three Rivers: 2015 Flood Impact Assessment Studies of the Bow, Sheep, and Upper Highwood Rivers**
Lindsay Amundsen- Meyer and Brian Vivian, Lifeways of Canada Limited
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Krista Gilliland and Terrance Gibson, Western Heritage
- 11:30 - 12:00** **Margaret's Site (EePj-103): Archaeology for Flood Impact Mitigation Along the Bow River**
Dan Meyer, Lifeways of Canada Limited
- 12:00 - 12:30** **Flooded with Data: Preliminary Observations of the 2013-2015 Southern Alberta River Survey Projects**
Wendy Unfreed, Historic Resources Management Branch
- 12:30 - 1:30** **LUNCH & POSTER SESSION**
(from 1:00pm - 1:30pm poster authors will be next to their posters to answer questions)

Afternoon Presentation Schedule on Following Page

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April 30, 2016**

- 1:30 - 2:00** **Cluny: New Thoughts and Interpretations**
Dale Walde and Lance Evans, Department of Anthropology and Archaeology, University of Calgary
- 2:00 - 2:30** **Facts and Feature Function at the Junction**
Brian Vivian and Janet Blakey, Lifeways of Canada Limited
- 2:30 - 3:00** **COFFEE BREAK**
- 3:00 - 3:30** **Exploring the Cultural Influences of an Atypical Habitation Structure in the Parklands**
Rob Wondrasek and Rachel Lindemann, Atlatl Archaeology Ltd.
- 3:30 - 4:00** **Pre-contact Jade in Alberta : the Geochemistry and Archaeological Significance of Nephrite
Ground Stone Tools**
Todd J. Kristensen (Historic Resources Management Branch), Jesse Morin , M. John Duke (SLOWPOKE
Nuclear Reactor Facility), Andrew J. Locock (University of Alberta) , Philip Lypaczewski (University of Alberta),
Courtney Lakevold (Historic Resources Management Branch), Karen Giering (Royal Alberta Musuem) , and
John W. Ives (University of Alberta)
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- 4:30 - 5:00** **ARCHAEOLOGICAL SOCIETY OF ALBERTA - AGM**
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BANQUET SPEAKER : Marty Magne, Director of the Archaeology and History Branch, Parks Canada
The Search for Franklin's Lost Ships and the Discovery of HMS Erebus

ACCOMODATIONS

A block of rooms has been reserved at both the Ramada High River and the Super 8 Hotel High River. The block of rooms/rates are guaranteed until **April 1, 2016** after which rates can't be guaranteed. Please note you must phone the hotel directly to get the rates – please ask for the **Archaeological Society Block Rate**.

Super 8 Hotel High River

Single Standard Room - \$117.99 + tax
Double Standard Room - \$124.99 + tax
King Executive Suite - \$143.99 + tax
Phone: 1-403-652-4448
Toll Free: 1-866-831-8558

Ramada High River

Single Standard Room - \$127.99 + tax
Double Standard Room - \$134.99 + tax
King Executive Suite - \$153.99 + tax
Phone: 1-403-603-3186
Toll Free: 1-866-449-3181

Other hotel options in the area include: The Heritage Inn (High River), Best Western Inns & Suites (Okotoks), Lakeview Inn and Suites (Okotoks) or the Okotoks Country Inn (Okotoks).

PROGRAM DETAILS

The Speaker and Poster program details are in the process of being finalized. The Speaker Program has been developed to highlight some of the most recent archaeological developments and studies that have been taking place across Alberta in the last few years. Invited speakers will highlight recent archaeological investigations of post-flood impact studies of the Bow River Basin, in addition to other larger excavations and specialized analysis completed within the last year.

The poster session is an open contribution session. If you are interested in presenting a poster please contact Brian Vivian (vivian@lifewaysofcanada.com). The ACA Poster Award for favourite poster will be presented at the conference (\$200 cash prize).

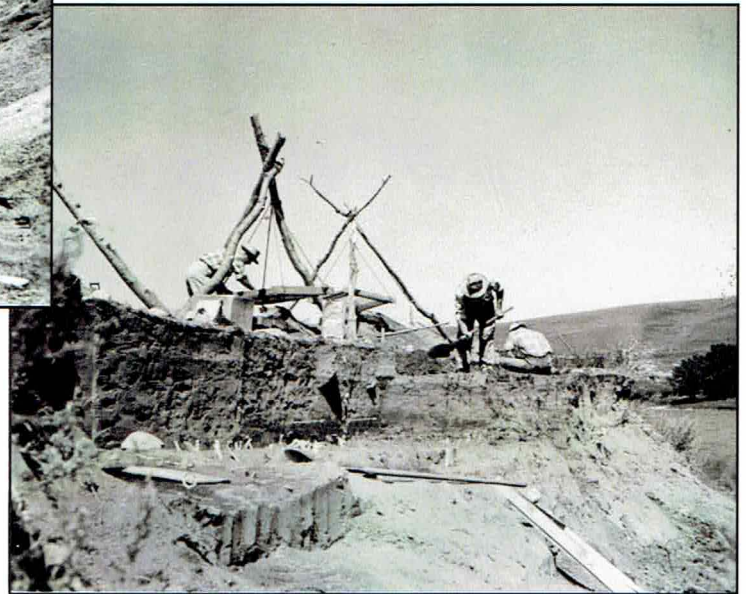
Please visit www.arkycalgary.com or www.arkyalberta.com for program updates

SPONSORSHIP

If you are interested in providing sponsorship for the conference please contact Brian Vivian (vivian@lifewaysofcanada.com) for further details.

**Archaeological Society of Alberta
41st ANNUAL CONFERENCE
&
GENERAL MEETING
High River, AB - April 29-May 1, 2016**

*Hosted by
Calgary Centre of the Archaeological Society of Alberta*



ARCHAEOLOGICAL SOCIETY OF ALBERTA



ARCHAEOLOGICAL SOCIETY OF ALBERTA

Welcome to the 41st Annual Conference and AGM of the Archaeological Society of Alberta. We appreciate the interest and enthusiasm that our membership has shown toward this event, and the weekend promises to be an interesting one to celebrate recent advances in Alberta Archaeology. The Conference Committee has been working hard to ensure that the program is both interesting and entertaining and the Conference as a whole a success. We wish to thank the Calgary Centre for hosting this event, the Museum of the Highwood and the Highwood Golf and Country Club for facilitating this meeting in High River, our corporate sponsors and the many individuals and outfits who generously donated items for the silent auction. This last year has been a great one for the Archaeological Society, and the year ahead promises to be even more so as we plan a joint conference with the Saskatchewan Archaeological Society. We will look forward to meeting many of you again in the Cypress Hills in 2017.

Brian Vivian

Provincial President, Archaeological Society of Alberta

THANK YOU TO OUR CONFERENCE PLANNING COMMITTEE!!

Brian Vivian - Calgary Centre

Dawn Wambold - Calgary Centre

Joanne Braaten - Calgary Centre

Terry Quinn - Calgary Centre

Sean Lynch - Calgary Centre

Janet Blakey - Calgary Centre



**Coming to Canmore in the Fall of 2017
the Rocky Mountain Anthropological Conference**



ARCHAEOLOGICAL SOCIETY OF ALBERTA

WEEKEND EVENTS

Friday, April 29th - Museum of the Highwood

6:00 - 9:00 pm REGISTRATION and OPENING RECEPTION

Registration and Opening Reception will be taking place at the *Museum of the Highwood in the Old Train Station* (406 1st Street SW, High River). Light snacks and a cash bar will be available.

Saturday, April 30th - Highwood Golf & Country Club

7:45 - 8:15 am REGISTRATION CONTINUES AT THE HIGHWOOD GOLF & COUNTRY CLUB (400 7th Street NW)

8:15 am-4:00 pm SPEAKER SESSION, POSTER SESSION, COFFEE BREAKS, & LUNCH

4:30-5:00 pm ANNUAL GENERAL MEETING OF THE ARCHAEOLOGICAL SOCIETY OF ALBERTA

5:30-10:00 pm BANQUET & KEYNOTE ADDRESS

The Search for Franklin's Lost Ships and the Discovery of HMS Erebus

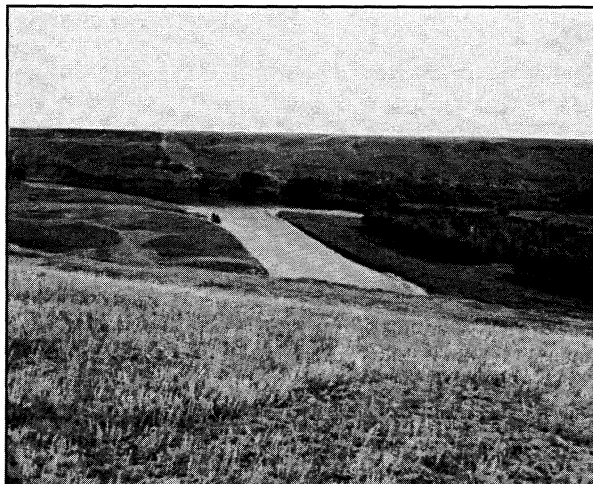
- Marty Magne (Parks Canada)

Sunday, May 1st

9:00 am -12:00 pm FIELD TRIP

The field trip will take approximately 3 hours, giving everyone time to travel home. It will be a "drive yourself" trip. There is no additional cost to attend the field trip; please note lunch will not be provided. Please meet in parking lot of the Ramada High River (1512 13 Ave SE) by 9:00 am to join the convoy to the FM Site.

Please see further instructions in the Field Trip Information Section of the Program



FM Site (1960)

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PAPER ABSTRACTS

A Tale of Three Rivers: 2015 Flood Impact Assessment Studies of the Bow, Sheep, Upper Highwood Rivers

Amundsen-Meyer, Lindsay and Brian Vivian (Lifeways of Canada Limited)

In 2015, Lifeways completed flood impact assessment surveys of the Bow River between Gap Lake and the Siksiká First Nation, the Sheep River between Bluerock Wildland Provincial Park and the Sheep-Highwood confluence, and the Upper Highwood River between Stony Creek and Longview. This resulted in the recording of over 70 archaeological sites which were exposed by the June 2013 flood, over half of which were previously unknown. This talk will discuss these finds, and how the nature of the sites and landforms identified on each river system differ. Further, the distribution and density of cultural materials at sites impacted by flood related erosion will be examined to come to a larger, regional understanding of how these river systems were integrated into the Precontact landscape of southern Alberta and to identify differences in how the region's river valleys were utilized by Precontact peoples.

Preliminary observations on organic-rich sediments revealed by 2013 floods along the Highwood River, southwest Alberta

Beaudoin, Alwynne B. (Royal Alberta Museum), Matthew Bolton (Royal Alberta Museum) and Lisa Bohach (Stantec Consulting Ltd.)

High-magnitude floods of 2013 in southern Alberta caused considerable erosion, scouring river banks and cutting new exposures. Organic-rich layers were documented during post-flood survey work undertaken to assess the impact on heritage resources. Twenty-four samples containing visible plant material or molluscs were collected along the Highwood River. So far, sixteen samples have been processed to extract macrofossils, including seeds, plant material, and mollusc remains.

Samples can be divided into two categories: organic-rich vegetation mats and shell-beds. Although the sedimentary context varies, a range of taxa indicative of riparian, wet meadow, and aquatic habitats is common across all samples. Almost all taxa are consistent with the present regional biota. All samples are postglacial and most are late Holocene in age. Mazama tephra (dating to 7600 years ago) was also found at several localities.

Introduction: Alberta's Program to Address Flood Impacts to Archaeological Resources

Bereziuk, Darryl (Historic Resources Management Branch)

An extraordinary rainfall event between June 19 to 22, 2013 resulted in southern Alberta's largest recorded flood. The epicenter of accumulated precipitation was centered over the headwaters of the Bow, Elbow, Little Elbow, Highwood, Kananaskis and Sheep Rivers. All of

these river systems and their tributaries received devastating flood-related impacts including extensive reworking, remodeling and, in some cases, complete removal of major valley and floodplain landforms. These riverside landscapes in southern Alberta were known to contain large numbers of previously recorded archaeological sites including stratified, multi-component archaeological deposits that provide key cultural sequences for the northern Plains. Given the unconsolidated nature of archaeological deposits, the likelihood for these sites to have been impacted or destroyed by flood and post-flood erosional processes was very high. To address the extent of disturbance to previously recorded archaeological sites and to identify new archaeological resources uncovered by the flood, the Government of Alberta initiated a three-year archaeological flood recovery program in 2014. The completion of exploratory survey programs has facilitated an update of archaeological site inventory records across the flood-affected region. Numerous significant sites have been identified that require immediate action in order to minimize the effects of post-flood natural erosion processes. The accumulated information is proving of additional value in addressing cultural impacts

What's new at the Ranch (EfPk-1)? Results of the Flood Impact Assessment Program 2015

Gilliland, Krista and Terrance Gibson (Western Heritage)

Situated along the Bow River, the FM Ranch Campsite (EfPk-1) was identified as one of the many archaeological sites impacted by the devastating 2013 flooding event in southern Alberta. This well-known site is associated with a Buffalo Jump (EfPk-2), and is one of Alberta's designated Provincial Historic Resources, making it one of the Province's priority sites for post-flood assessment. Despite several revisits since the site was first documented in the 1950s, there is still a poor understanding of the relationship between the extensive cultural deposits at the site, their stratigraphic context, and the connection between cultural deposits and stratigraphies across the terrace on which the site is located.

As the site has been identified as being in danger of further erosion, a research project to record and interpret the stratigraphic profiles and associated cultural deposits exposed along the riverbank and in selected areas across the terrace was undertaken by Western Heritage in the fall of 2015. Field methods included gradiometer survey, controlled excavation of one 12 m² block, dispersed excavation of 22-1 m² units dispersed through the landform, stratigraphic recording of six exposures along the Bow River, and stratigraphic recording of two re-located units from Rogers and Fromhold's 1974 excavations. Detailed stratigraphic recording included measurements using handheld magnetic susceptibility and optically-stimulated luminescence.

The detailed stratigraphic work documented a number of characteristics that were useful in comparing and connecting various aspects of different areas of the site. In general, stratigraphic analysis and artifact distributions indicated that the primary occupation of the site took place during a period of rapid sediment accumulation. Recovery of a horse bone from within these rapidly-deposited sediments suggests that EfPk-1 was an important location for cultural activity during the very Late Prehistoric or early Protohistoric periods, a conclusion that is consistent with Rogers and Fromhold's (1975) interpretation of a primarily Old Women's Phase occupation at EfPk-1. However, the western boundary of the site near the escarpment

may preserve an older set of deposits, which extend beyond two metres in depth, although these results need to be tested with radiocarbon ages. In sum, there appear to be at least seven occupation periods present at EfPk-1, although not all seven are likely to be present in any one stratigraphy across the entire landform.

Pre-contact Jade in Alberta: the Geochemistry and Archaeological Significance of Nephrite Ground Stone Tools

Kristensen , Todd J. (Historic Resources Management Branch), Jesse Morin, John Duke (University of Alberta), Andrew J. Locock (University of Alberta), Philip Lypaczewski (University of Alberta), Courtney Lakevold (Historic Resources Management Branch), Karen Giering (Royal Alberta Museum), and John W. Ives (University of Alberta)

Nephrite is a type of jade that outcrops in British Columbia and was used in pre-contact times for ground stone celts. Pre-contact jade east of the Rockies is poorly documented. We assembled ten purported jade celts from private collections in central and northern Alberta and conducted near-infrared spectrometry to source them back to their outcrop in British Columbia. We also ran portable x-ray fluorescence, x-ray diffraction, and hyper-spectral imaging to determine mineralogy and to aid future archaeological identification of jade. Given the rarity of this material in Alberta and the macroscopic variability (e.g., white, green, black), it is likely that jade has been misidentified in archaeological assemblages. Simple and non-destructive geochemical tests are useful for quickly distinguishing jade from jade-like materials. We conclude with a discussion of when, how, and why these unique artifacts likely arrived in Alberta.

Margaret's Site (EePj-103): Archaeology for Flood Impact Mitigation Along the Bow River *Meyer, Dan (Lifeways of Canada Limited)*

The results of flood impact testing and mitigation at site EePj-103, Margaret's Site, along the Bow River east of Calgary will be presented. The site was first recorded by Brian Vivian and Lindsay Amundsen-Meyer from Lifeways in 2014 as a result of post-flood impact assessment surveys of the Bow River initiated by Alberta Culture and Tourism. Based upon their recommendation that this site was likely highly important, damaged during the flooding of 2013, and threatened by further erosion, Alberta Culture and Tourism commissioned Lifeways to collect further information about the site through shovel testing and test excavations. The results of the work program found that Margaret's Site is a stratified, multi-component site with a Historic Period occupation and likely at least two Protohistoric occupations. Among the recovered items include metal projectile points, trade beads, and pottery.

Discovering some of the Highwood's Secrets: 2014 Archaeological Flood Impact Assessment of the Highwood River from Longview to the Bow River *Porter, Meaghan (Stantec Consulting Ltd.)*

The flood impact assessment program sponsored by Alberta Culture and Tourism in response to the catastrophic floods of 2013 has provided an opportunity to intensively survey rivers in

southern Alberta, on a scale that has rarely been done before. In 2014, Stantec Consulting Ltd. carried out an intensive survey of the Highwood River valley for archaeological, historic and palaeontological resources between Longview and the Bow River. In addition to revisiting known sites and recording new ones, the project provided risk assessments relative to flood related impacts and site management strategies. Sites were recorded all along the Highwood River, including areas where no sites had previously been recorded and several known sites were found to be much richer than previously thought. This presentation is a brief summary of the program with comments on the field approach and some of our more interesting finds.

Flooded with Data: Preliminary Observations of the 2013-2015 Southern Alberta River Survey Projects

Unfreed, Wendy (Historic Resources Management Branch)

The Southern Alberta historic resource river survey projects were conceived as a response to the devastation of the June 2013 floods. While lives and personal property were significant casualties of the flood, the effect of the flood was less well known on the archaeological record of the affected river systems. Between 2013 and 2015, the Archaeological Survey (Alberta Culture and Tourism) contracted nine studies to document flood effects on known sites and high potential areas of affected river systems. This has resulted in the investigation of over 100 sites on seven rivers and creeks (Bow, Highwood, Sheep and Kananaskis Rivers and Jumpingpound, Tongue and Fish Creeks). The purpose of this paper is to provide a broad overview of the program and its importance to the archaeology of southern Alberta, with preliminary observations about some of the trends in site distribution and cultural patterning that are now emerging from the data.

Facts and Feature Function at the Junction

Vivian, Brian and Janet Blakey (Lifeways of Canada Limited)

Excavations completed at The Junction Site (DkPi-2) in 2015 revealed numerous hearth features associated with domestic camp activities. Analysis of the wide range of lithic and faunal refuse found in association with these features provides a glimpse into traditional lifeways over the last millennia. These results expand our understanding and the importance of the Junction Site within the scope of the Blackfoot world. This presentation will provide a summary of the excavations completed in 2015 and artifact analysis completed within the comparative context of the features found.

Cluny: New Thoughts and Interpretations

Walde, Dale and Lance Evans (University of Calgary)

The University of Calgary Archaeological Field School excavations have been ongoing since 2007. That work has resulted in large amount of data collected using new approaches to reconnaissance, excavation, and subsurface testing. The number of ceramic vessels recovered has increased dramatically, leading to new ideas as to the ethnicity of the occupants.

Excavation and geophysical survey have revealed the presence of a type of timber structure that has not been encountered elsewhere on the northern plains and spatial analysis has resulted in important new understandings of activity areas within the fortifications. The 2013 flood destroyed a small portion of the site outside the fortifications and initial reconnaissance and survey has started to reveal the nature and extent of activities conducted outside the fortifications.

Changing Rivers, Changing Landscapes: new perspectives on Quaternary palaeontology and archaeology from the Bow River Basin, Alberta.

Wilson, Michael C. (Douglas College and Simon Fraser University)

In 2014 and 2015 the author undertook field studies for Alberta Culture and Tourism, through Lifeways of Canada Ltd., to evaluate impacts from the devastating 2013 Bow River basin floods upon Quaternary palaeontological resources. This unparalleled opportunity to study new exposures along the Bow, Sheep, and Highwood Rivers brought new perspectives in terms of the distribution of potentially fossiliferous Late Pleistocene and Holocene deposits, especially the Bighill Creek Formation (BCF; ~11,500 to 10,000 radiocarbon yr BP) with its important megafauna. It was possible to trace BCF-like deposits upstream on the Bow from Cochrane to Ghost Dam, extending the distribution of the formation, but it was also realized that the BCF occurs only in areas where the valley broadens. In narrow, bedrock-confined river reaches the BCF was either not deposited or has been eroded away. Discontinuous deposition together with heavy impacts from flood erosion, gravel mining, and urban development have left the BCF and its megafauna (mammoth, horse, camel, caribou, giant bison, and bighorn sheep) as critically endangered resources. A giant bison cranium was recovered by Brian Vivian in 2013 from flood-eroded BCF gravels in northwest Calgary. Possible BCF equivalents were observed along both the lower Sheep River and the Highwood River near Longview, and a pre-1930 find of mammoth teeth along the Highwood near Aldersyde may be from this gravel unit. The flood impact studies underscored the perils of correlating terrace surfaces, but correlation of dated alluvial fills is a productive approach. Both paired and unpaired terraces were observed and they differ dramatically in terms of value for correlation. The three rivers are described in terms of a three-zone geomorphic model, with (1) an upstream intermontane zone with cross-valley debris fans and aggradation (net deposition); (2) a middle, mostly foothills zone of deep incision into bedrock with little meandering; and (3) a lower, mostly plains zone of broad valleys and wide meanders, and net incision. This model helps to explain both original archaeological site distribution and patterns of site discovery. About 10 m of incision is evident in Zones 2 and 3 since the time of BCF deposition, so the valleys have changed considerably in appearance since Clovis times. The lower Highwood appears to have been captured from its old path down the Little Bow by a headward-cutting Sheep River tributary. If the BCF is indeed present east of Aldersyde, this capture event would have been in pre-Clovis, Late Pleistocene times. The timing of such an event has important implications in terms of preservation and discovery of early postglacial archaeological sites.

Exploring the Cultural Influences of an Atypical Habitation Structure in the Parklands
Wondrasek, Rob and Rachel Lindemann (Atlatl Archaeology Ltd.)

Starting in the fall of 2013 and continuing through to the fall of 2015, Atlatl Archaeology was contracted to mitigate a number of sites within the Battle River valley, on the outskirts of Hardisty, AB. The mitigation program was to take place prior to the construction of a pipeline project. FdOt-10, one of the sites where mitigation was undertaken, is a multi-component site originally tested by Quigg in the 1970s. The presentation will focus on the 2013/2014 excavations of the upper Old Woman's occupation at FdOt-10 and a unique habitation structure uncovered. The structure contains features commonly associated with habitation sites within the plains/parklands, however the structure's construction shows strong influences from the archaeological Woodland cultures to the east and similarities to ethnographic accounts from the 1950s and 60s in Ontario and Quebec. We will also discuss how this structure may relate to a large ceremonial feature at the adjacent Anderson site, FdOt-1.

SILENT AUCTION INFORMATION

On Saturday we will be hosting a silent auction. There are many interesting items that have been generously donated to us this year. We'd like to thank our donors:

Fly Fishing with Steve
Anchor D Outfitting
Green Gates Garden Centre
Highwood Golf and Country Club
Kim and Ian Edwards
Brian Vivian
Keith and Joanne Braaten
Calgary Centre of the Archaeological Society of Alberta

**PLEASE NOTE THE SILENT AUCTION BIDDING WILL CLOSE AT 5:30 PM.
PLEASE BE PRESENT TO COLLECT AND PAY FOR YOUR ITEM(S)**

POSTER ABSTRACTS

Pleistocene Camelids of Alberta

Allan, Timothy E. and Christopher N. Jass (Royal Alberta Museum)

Fossils of Ice Age megafauna from Alberta are primarily isolated finds collected from sand and gravel pits. Despite the isolated nature of the fossils, they still provide a significant source of information concerning the Ice Age mammal record of the province. Camelids are relatively rare in the Alberta record, but gravel pits in the vicinity of Vauxhall and Edmonton have produced several specimens. Examination of the remains indicate that most are identifiable as *Camelops* cf. *C. hesternus*. Direct radiocarbon dates on camelid remains from southwestern Canada are rare. A radio-ulna of *Camelops* from the Edmonton area was dated to around 13,000 cal bp, indicating re-colonization of central Alberta prior to extinction.

From the Early Prehistoric to Historic Periods: A Glimpse through Time in Alberta's Parkland

Burchill, Alexandra (Atlatl Archaeology Ltd.)

The Hardisty area is situated within the Central Parkland of Alberta near the northern extent of the Plains. Since the 70s, pipeline development and the petroleum industry has led to a plethora of archaeological discoveries in the region. Generally, the types of sites recorded in the area are multi-component campsites, bison kill-sites, lithic/fauna processing areas, or stone feature sites. In 2013, Atlatl Archaeology Ltd. began work in the region, with site discovery, revisits and consequent excavation at multiple sites. Sites FdOt-1, FdOt-10, FdOt-9, and FdOt-47 are multi-component campsites/lithic processing areas that offer a glimpse into the lifeways of past peoples inhabiting this region. The analysis of these four sites ties into the surrounding landscape, and shows the importance of the Hardisty area as a meeting place from the Early Prehistoric to Historic Period.

Iconographic Study of the Royal Macedonian Tombs

Burnett, Calista (Department of Sociology & Anthropology, Mount Royal University)

Artefacts of a Macedonian tomb complex will be examined alongside various associated themes including the life-death-rebirth cycle, fertility, and royal divinity. These artefacts and associated themes will aid deciphering the values, or ideologies, that were present during the fourth century B.C.. Deities are an imperative part of this research as they seem to appear as needed when society feels any sort of social deprivation. Such deprivation may include status revolt or ideological questions which are not being adequately addressed to restore a sense of social inadequacy. The presence and associations of these items and symbols are able to offer further insight into who the individuals within the tombs were, their ideologies, and their perspectives of not only themselves but the society in which they reigned.

Tertiary Hills Clinker in Alberta: A partially fused vesicular toolstone from the Mackenzie Basin of Northwest Territories, Canada

Kristensen, Todd J. (Historic Resources Management Branch), Thomas D. Andrews (Prince of Wales Northern Heritage Centre), Glen MacKay (Prince of Wales Northern Heritage Centre), Ruth Gotthardt (Heritage Resources Unit), Sean C. Lynch (CH2M), M. John Duke (University of Alberta), Andrew J. Locock (University of Alberta), and John W. Ives (University of Alberta)

Tertiary Hills Clinker appears in archaeological sites in northern and central Alberta. The goals of this poster are to: 1) describe this distinct toolstone, which outcrops west of Mackenzie River in the subarctic foothills of the Mackenzie Mountains; 2) provide a summary of geochemical work that demonstrates that Tertiary Hills Clinker can be reliably sourced, much like obsidian; and 3) summarize the archaeological significance of Tertiary Hills Clinker in Alberta. The accurate identification of this material can reveal significant relationships between people of Alberta and the Mackenzie Basin to the north.

Birlin' Down and Down the Erith River: Two Historic Forestry Sites in the Coal Branch

Roe, Jason, Derrick Foster, and Joshua Read (Lifeways of Canada Limited)

In 2015, Lifeways of Canada Limited recorded two interesting and unique sites in the Coal Branch region to the east of Jasper National Park. FhQd-3 is a logging camp with 10 partially standing industrial and/or residential structures and a possible sawdust pile; FhQd-9 is the remains of a splash dam and one small partially standing structure. The two sites, while interesting individually, combined are a rare and incredibly unique example of early forestry practices in Alberta. This poster will explore the role of river use in relation to log driving and early forestry practices and how these two sites would have been operated.

****PLEASE REMEMBER TO VOTE FOR YOUR FAVOURITE POSTER AS PART OF THE ACA ANNUAL POSTER AWARD COMPETITION (PRIZE TO BE AWARDED AT THE BANQUET)**

HERITAGE ART SERIES ABSTRACTS

Alberta's Buffalo Jumps : Communal Hunting on the Plains

Donnelly, Mike and Todd J. Kristensen

Some of the most dramatic archaeological records of subsistence in the province are buffalo jumps. We provide a visual synopsis of these features and summarise some of the archaeological work at major jumps in Alberta. Ethnohistoric, biological, and geological information help contextualize jumps in their respective cultural landscapes. This poster belongs to the Heritage Art Series, the goals of which are to use artwork to foster a greater awareness of our past and to instill a deeper respect for it.

Power and Powder : The Archaeology and History of Early Guns in Alberta

Todd J. Kristensen and Julie Martindale

It's hard to underestimate the impact of firearms in Alberta's history. The earliest guns delivered food, protection, and intimidation. Technological improvements from European contact to the 1900s led to significant changes in the ways that guns were used across the province. We explore interesting elements of our gun history and present some of the unique archaeological records of it. This poster belongs to the Heritage Art Series, the goals of which are to use artwork to foster a greater awareness of our past and to instill a deeper respect for it.

Clay, Paint, and Food : Pre-contact Pottery in Alberta

Kristensen, Todd J. and Sheila MacDonald

Pottery is generally a rare but significant archaeological find in Alberta. Ceramic vessels were malleable enough to reflect different manufacturing traditions, cosmological beliefs, and individual stylistic choices. While they offer valuable glimpses at cultural patterns and beliefs, residues and archaeological contexts of pottery sherds offer cumulative snapshots at food consumption practices and domestic life. New techniques are enhancing the information that pottery can yield about pre-contact behaviours in Alberta. This poster belongs to the Heritage Art Series, the goals of which are to use artwork to foster a greater awareness of our past and to instill a deeper respect for it.

Alberta on Fire : A History of Cultural Burning

Kristensen, Todd J. and Ashley Reid

Fire science has come a long way but the growing practice of prescribed burning in Alberta is actually a step back to a deep past. Archaeologists and palaeoecologists are discovering that Western Canada has burned at the hands of people for thousands of years; much of what was thought to be wilderness in Alberta when Europeans arrived was likely a mosaic of manipulated landscapes influenced by controlled burns. Alberta has a rich history of fire use - the recognition of it has implications for modern conservation and land management. This poster belongs to the Heritage Art Series, the goals of which are to use artwork to foster a greater awareness of our past and to instill a deeper respect for it.

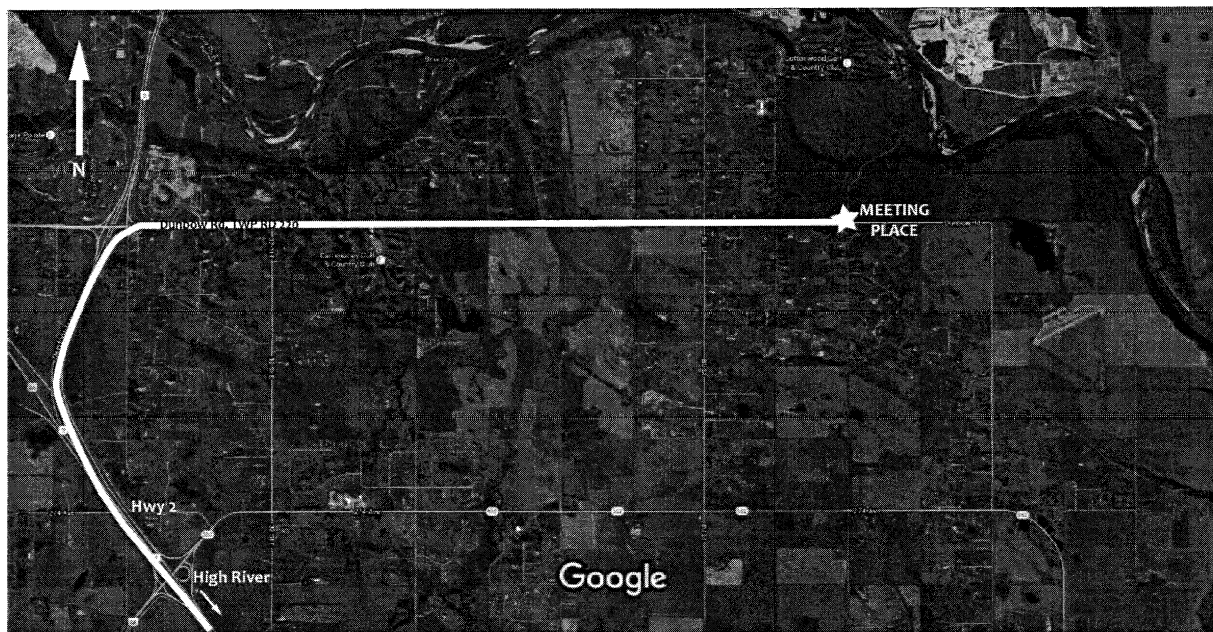
FIELD TRIP INFORMATION

The field trip will take place on Sunday, May 1st. **Please meet in the parking lot of the Ramada High River at 9:00am.** We will be going to the FM site. The site is on private land as such special permission has been granted for us to be able to visit the site. Please pay attention to all instructions provided on site, etc...

We anticipate being on site for a few hours. Please wear appropriate footwear and bring water along with your camera. Please note that lunch will not be provided.

DRIVING INSTRUCTIONS (see map below)

Drive north from High River on Highway 2. Proceed east on Denbow Road (Township Road 220). Meet at the **"MEETING PLACE"**.



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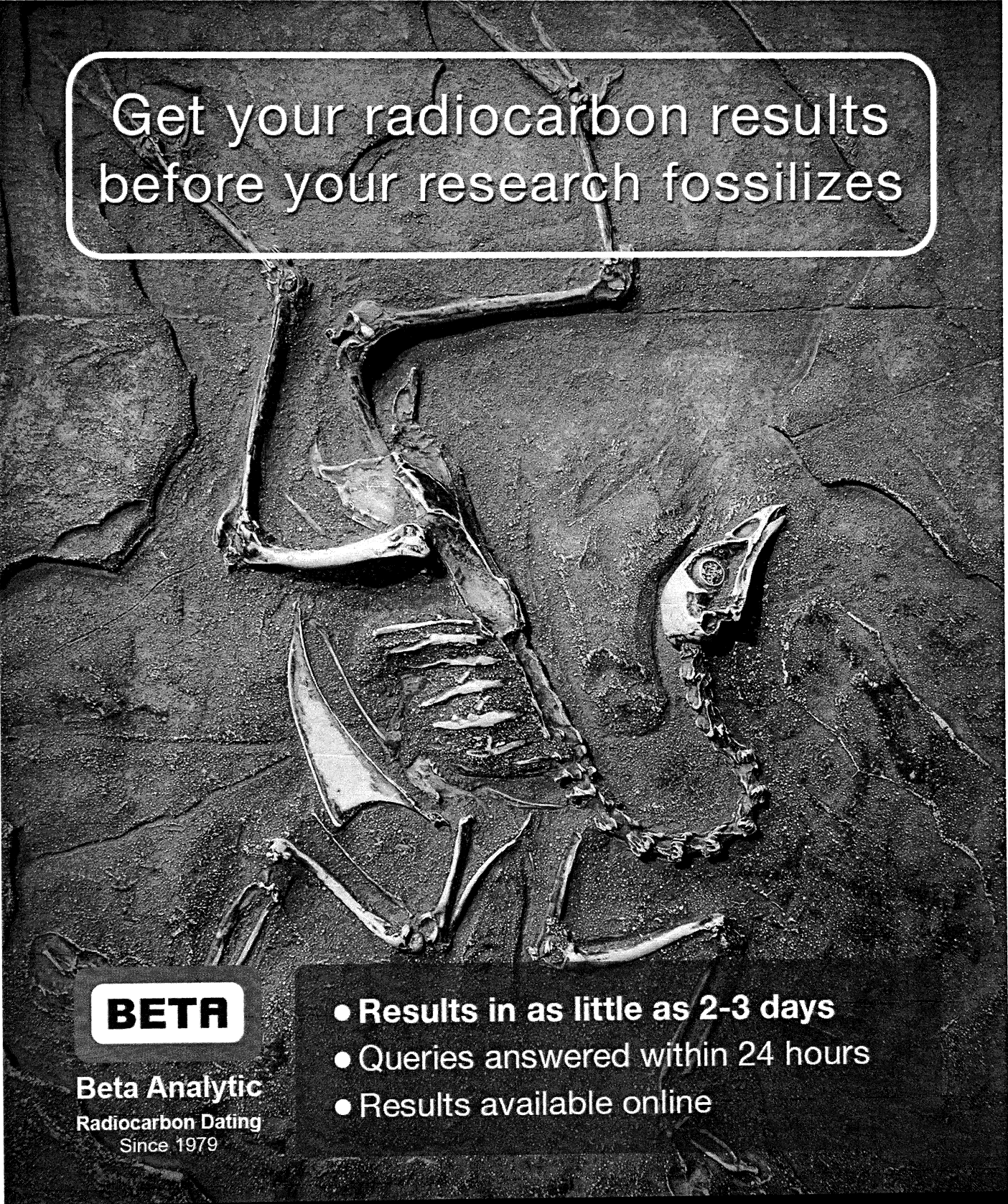
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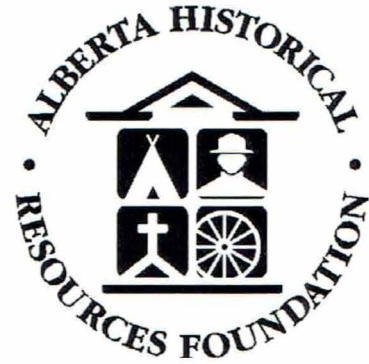
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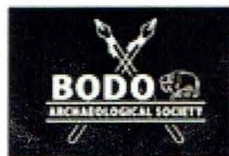
CALGARY CENTRE RAFFLE



We will be selling tickets for a chance to win this Clovis point manufactured by one of our members, Rick Rowell. Tickets (1 for \$2.00 or 3 for \$5.00) will be available at the registration table and Saturday afternoon in the book room.

A special thank you to Rick for his generous donation.

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