

# Archaeological Society of Alberta Annual Conference

May 1<sup>st</sup>, 2021



ARCHAEOLOGICAL SOCIETY OF ALBERTA

Self-Guided Field Trips Organized By

ASA Edmonton Centre

ASA Red Deer Centre

ASA Bodo Centre

ASA Calgary Centre

ASA Lethbridge Centre

ASA Southeastern Centre



The six centres of the Archaeological Society of Alberta are pleased to offer you self-guided field trips for the afternoon portion of the 2021 ASA Annual Conference, held virtually this year.

In lieu of the traditional field trip organized by the hosting centre, each centre has organized a self-guided walking or driving tour of local archaeological and historical sites for members to visit.

You are invited to participate in the field trip at your own leisure. If you wish to visit field trips provided by the other centres, they are available for downloading on the Archaeological Society of Alberta website ([www.arkyalberta.com](http://www.arkyalberta.com)). Information on the tours provided by all the centres is provided on the next page.

Happy and safe travels!

The Archaeological Society of Alberta would like to acknowledge the Indigenous Peoples of all the lands that we are on today. We would like to take a moment to acknowledge the importance of the lands we share and call home. We do this to reaffirm our commitment and responsibility in improving relationships between nations and improving our own understanding of local Indigenous peoples and their cultures. This is the ancestral and unceded territory of the people of Treaty 4, 6, 7, 8, and 10 as well as the Métis homeland. Their histories, languages, and cultures have enhanced and continue to enrich our province and our organization. We acknowledge the harms and mistakes of the past and consider how we can move forward in a spirit of truth, reconciliation, and collaboration.



## **Field Trip Overview by Centre**

### **ASA Edmonton Centre**

Walk along the river valley and in downtown Edmonton to explore where archaeological excavations took place and then learn about historic residential and commercial buildings.

### **ASA Red Deer Centre**

Spend the day exploring Dry Island Buffalo Jump Provincial Park, as the area is rich in archaeological and palaeontological materials.

### **ASA Bodo Centre**

Tour geologic sites formed during the last ice age, and the the ‘nose’ of the bison that forms the western extent of the Neutral Hills.

### **ASA Calgary Centre**

Drive between Calgary and Cochrane to experience both archaeological and historical sites, including Big Hill Springs Provincial Park and the Cochrane Ranch Park.

### **ASA Lethbridge Centre**

Take a short hike to see the Sundial Medicine Wheel, and then spend the rest of the time learning about an iconic ghost town, Retlaw.

### **ASA Southeastern Centre**

Visit the Ross Glen site, considered one of the most important stone circle sites in all of Alberta.



SOUTH EASTERN ALBERTA  
ARCHAEOLOGICAL SOCIETY

## SEASS Self-Guided Tour

May 1<sup>st</sup>, 2021

### Ross Glen Site

A portion of the Ross Glen neighbourhood in Medicine Hat is built on the Ross Glen archaeological site, identified as DIOp-2.

Three different periods of human use date back 5,000 years, although most use happened about 1500 years ago (the Bullshead Subphase of Besant culture). Another occupation with undetermined age happened later. The most visible features were 18 stone circles, but 42 other related features were recorded. This place was home to small groups of people, separated by thousands of years.

An assessment by Ethos Archaeological Consultants in 1978 found the site is approximately 3.5 ha (8.8 acres) in size. Detailed excavations of 546 square metres in 1981 represented only 2% of the overall site. However, this small area yielded 45,000 pieces of cultural material!

J. Michael Quigg, who attended the assessment and led the excavation, described the site as “one of the most



#### Directions

You can reach the site from Ross Glen Drive. Turn onto Taylor Crescent, then park in the cul-de-sac to the left, and take the paved access. Once you reach the main trail, a green bench to your left (north) is a good place to sit. The map shows the approximate area of the whole site.

significant stone circle sites yet investigated in Alberta and possibly in all the Northern Plains.” The vast amount of stone flakes, fire broken rock and animal bones confirms that these stone circles were an active community, although only lasting perhaps a few weeks. Nearly all other stone circles in Alberta have very few related artifacts.

The excavation preceded destruction of the site as part of the Ross Glen Stage 5 land development, which included 550 houses and their requisite subsurface utilities.

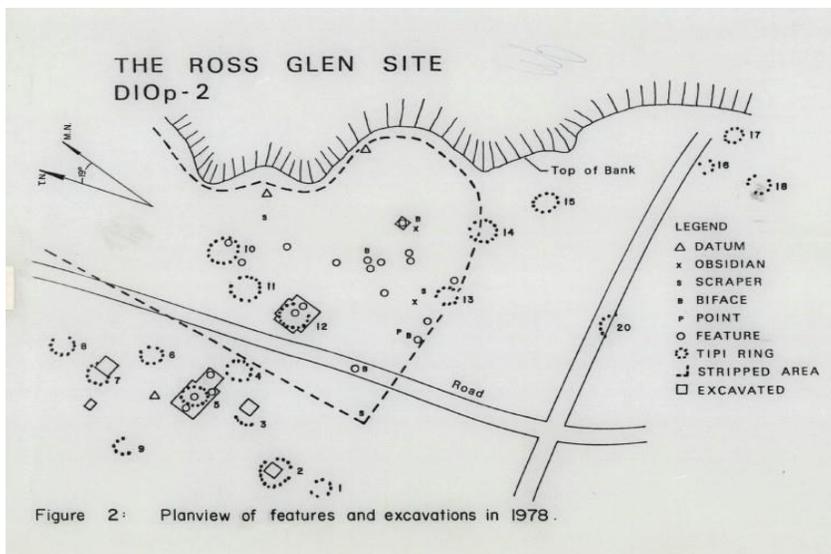


Figure 2: Planview of features and excavations in 1978.

## Site Use

Indirect evidence from Ross Glen suggested that site use best fit the fall period, although minimal flora and faunal material was uncovered to define seasonality more accurately. Material remains supported the hypothesis that considerable meat and hide processing took place.

A conservative estimate based on the number of tipi rings suggests gatherings of at least 100 people, which would have included enough people to accomplish the labour intensive tasks of surrounding and/or impounding buffalo.

The stone circles ranged from three to ten metres in diameter, implying several different purposes.

A variety of activities took place at the site, and people stayed for long enough to create refuse piles. Tools were fashioned, improved and discarded, made largely of local materials, although some Besant points are believed to have been brought from Montana. Post holes are evidence of a structure, likely built to support hides while they were tanned. The quantities of fire-broken rock indicate boiling pits used to extract marrow from the large bones. This, in turn, indicates a major kill site must have been close, perhaps near one of the visible cliffs.



Figure 16: Upright anvil stone (Ancillary Feature 22) east of Stone Circle 5.

## Findings

The thousands of pieces of cultural material included lithic debitage (small waste chips produced when knapping stone into tools), fire-broken rock and bone, and tools, at a rate of 59 items per square metre investigated.



Figure 24: Stone Circle 5 completely excavated in 1978.

## Significance

1. One of the highest frequencies of ancillary features of any stone circle site in Alberta, including fire broken rock piles, hearths, lithic concentrations and post moulds.
2. The highest density of cultural material of any stone circle reported (as of 1981) in Alberta, and possibly all of the Northern Plains.
3. For the first time in Alberta, ceramics were found directly associated with Besant materials in good cultural context.

## Considerations

Unfortunately, there is no evidence of the archaeological excavations left to see. But, standing on Ross Creek Coulee Trail in the vicinity of Taylor Crescent, you are standing on thousands of years of hunting and gathering history. Have a seat on the bench, and try to envision what the area looked like thousands of years ago.

Why might this site have first been selected? Why was it reused over the millennia? Why is the site where it is, and not 1000 metres north or south? What can you see from the vantage point of the site (or what could you have seen)? What made this site sustainable for prolonged use?

## References

J. Michael Quigg, Ross Glen: A Besant Stone Circle Site in Southeastern Alberta, 1982, Archeological Survey of Alberta Manuscript Series No 10, 1986.

[Ross Glen : a Besant stone circle site in southeastern Alberta - Open Government](#)



Figure 3: Location of Stone Circles Plotted on Air Photo of Ross Glen.