

S. J. McKee Archives



Lovstrom Block C - XU 71 bison bone and FCR

<http://archives.brandonu.ca/en/permalink/descriptions12537>

Part Of: RG 7 Beverley Nicholson fonds

Description Level: Item

Series Number: 3.4.1.5

Item Number: 3.4.1.5.4

Accession Number: 1-2010

Standard number: 3/29/2012

GMD: graphic

Date Range: 1987

Physical Description: 800 x 547 (446KB)

Material Details: JPEG

Scope and Content:

Bison bone and fire cracked rock in excavation unit 71 at Block C.

Name Access: Lovstrom Block C - XU 71 bison bone and FCR

Subject Access: Archaeology
Lovstrom locale
Lovstrom Block C

Images





Lovstrom Block C - summary

<http://archives.brandonu.ca/en/permalink/descriptions12517>

Part Of: RG 7 Beverley Nicholson fonds

Description Level: Sub-series

Series Number: 3.4

Accession Number: 1-2010

GMD: multiple media

Date Range: 1987

History /

Biographical:

Block C was situated in sparse oak forest with an understory of saskatoon, hazelnut and a thick ground cover of poison ivy and sarsaparilla. The block measured 3m and 3m and contained nine excavation units. All units were excavated to 35cm below surface. The soil horizons were much like the other blocks, except for a rusty brown stain in the first level, giving the upper black loam a mottled appearance. The brown patches were clay mixed with loam and were harder than the surrounding matrix. No definitive interpretation of these phenomena was attempted but this effect may be the result of natural brush or forest fires. Under the 5cm so d/humus (Ah) layer, the loam horizon extended approximately 5cm – 25 cm below surface, and averaged 20 cm thick. Bone was concentrated within this horizon between 10 cm – 20 cm below surface.

Block C was notable for its concentrations of articulated bison bone. Most noteworthy was an articulated unit composed of lumbar vertebrae, pelvis, and sacrum. Several thoracic vertebra/proximal rib end concentrations were also recovered. There were more vertebrae and rib sections recovered in the units in proportion to other bones. A few sherds, some debitage and a single Prairie Side-Notched point fragment were among the recoveries. Based on the quantity of bone, the density of the bone layer, and the articulated butchering units the area has been interpreted as a bone midden.

Faunal material was analysed by Jessica MacKenzie for her Honours Thesis: "A reconstruction of butchering processes in Block C from the Lovstrom site DjLx-1 in Southwestern Manitoba."

Radiocarbon date: 850/115BP XU 79.

Scope and Content:

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Name Access: Lovstrom Block C - summary

Subject Access: Archaeology
Lovstrom locale
Lovstrom Block C



Lovstrom Block C - crew

<http://archives.brandonu.ca/en/permalink/descriptions12538>

Part Of: RG 7 Beverley Nicholson fonds

Description Level: Item

Series Number: 3.4.1.5

Item Number: 3.4.1.5.1

Accession Number: 1-2010

GMD: graphic

Date Range: 1987

Physical Description: 1171 x 800 (962KB)

Material Details: JPEG

Scope and Content:

Block C crew of Lori Dueck, Mike Zywna and Margaret MacPherson.

Name Access: Lovstrom Block C - crew

Subject Access: Archaeology
Lovstrom locale
Lovstrom Block C

Images





Lovstrom Block C - excavating techniques

<http://archives.brandonu.ca/en/permalink/descriptions12536>

Part Of: RG 7 Beverley Nicholson fonds

Description Level: Item

Series Number: 3.4.1.5

Item Number: 3.4.1.5.3

Accession Number: 1-2010

GMD: graphic

Date Range: 1987

Physical Description: 800 x 536 (386KB)

Material Details: JPEG

Scope and Content:

Jane Gibson, crew chief, demonstrating excavation techniques.

Name Access: Lovstrom Block C - excavating techniques

Subject Access: Archaeology
Lovstrom locale
Lovstrom Block C

Images





Lovstrom Block A - XU 38

<http://archives.brandonu.ca/en/permalink/descriptions12477>

Part Of: RG 7 Beverley Nicholson fonds

Description Level: Item

Series Number: 3.2.1.5

Item Number: 3.2.1.5.2

Accession Number: 1-2010

GMD: graphic

Date Range: 1987

Physical Description: 838 x 1200 (848KB)

Material Details: JPEG

Scope and Content:

Block A XU 38 bison bone

Name Access: Lovstrom Block A - XU 38

Subject Access: Archaeology
Lovstrom locale
Lovstrom Block A - XU 38

Images





Lovstrom Block D 1987 - XU 87

<http://archives.brandonu.ca/en/permalink/descriptions12553>

Part Of: RG 7 Beverley Nicholson fonds

Description Level: Item

Series Number: 3.5.1.5

Item Number: 3.5.1.5.4

Accession Number: 1-2010

GMD: graphic

Date Range: 1987

Physical Description: 1171 x 800 (845KB)

Material Details: JPEG

Scope and Content:

Excavation unit 87 at Block D.

Name Access: Lovstrom Block D 1987 - XU 87

Subject Access: Archaeology
Lovstrom locale
Lovstrom Block D

Images





Lovstrom Block B - XU 58 artifacts in situ

<http://archives.brandonu.ca/en/permalink/descriptions12515>

Part Of: RG 7 Beverley Nicholson fonds

Description Level: Item

Series Number: 3.3.1.5

Item Number: 3.3.1.5.2

Accession Number: 1-2010

GMD: graphic

Date Range: 1987

Physical Description: 1182 x 800 (955KB)

Material Details: JPEG

Scope and Content:

Block B excavation unit 58 showing potsher and bison vertebrae.

Name Access: Lovstrom Block B - XU 58 artifacts in situ

Subject Access: Archaeology
Lovstrom locale
Lovstrom Block B

Images





Lovstrom Block A - summary

<http://archives.brandonu.ca/en/permalink/descriptions12451>

Part Of: RG 7 Beverley Nicholson fonds

Description Level: Sub-series

Series Number: 3.2

Accession Number: 1-2010

GMD: multiple media

Date Range: 1987

History /

Biographical:

Block A was the most southern site in the locale. The excavation block consisted of 12 contiguous 1m² units dug in a 3m x 4m rectangle. The block was the least productive of cultural materials, and bone preservation was the poorest. Under the sod, the black loam layer appeared at 5 cm below surface, and the glacial clay at 25 cm below surface. Excavators described the soil matrix as gritty and silty, and it became concrete hard when dried. The occupation or bone layer extended from 10 to 25 cm below surface and consisted of a contiguous scatter of FCR and unidentifiable large ungulate bone which was heavily processed and intensively scavenged by carnivores. Most cultural materials were recovered within this layer. Fire cracked rock (FCR) and small burnt bone fragments were present but no intact hearths or processing features were evident.

Non-cultural materials included limestone and other natural pebbles derived from the parent till. (These small limestone pebbles were apparent in the occupation layers in other blocks as well). Root and rodent disturbance was extensive throughout Block A. Most units were excavated to gravelly clay till. Nine of the twelve units were dug to level 4b, which ended at 40 cm b.s.

No further excavations were done at this site. No C14 dates were taken.

Scope and Content:

Sub-sub-sub series contains: Summary information of field methodology, number and co-ordinates of excavations, personnel and their staff position; Field journals are daily records of recoveries, features and activities at the site; Site records include excavation level and unit summaries, feature sheets, profiles; sample records and maps; Artifact catalogues are lists and identifications of all artifacts recovered; Photographs are of excavation units, features, the landscape and personnel.

Name Access: Lovstrom Block A - summary

Subject Access: Archaeology
Lovstrom locale
Lovstrom Block A



Lovstrom Block A - crew

<http://archives.brandonu.ca/en/permalink/descriptions12475>

Part Of: RG 7 Beverley Nicholson fonds

Description Level: Item

Series Number: 3.2.1.5

Item Number: 3.2.1.5.1

Accession Number: 1-2010

GMD: graphic

Date Range: 1987

Physical Description: 784 x 528 (354KB)

Material Details: JPEG

Scope and Content:

Block A crew of Theresa Hill, Lynn Lelond and Miggs Green.

Name Access: Lovstrom Block A - crew

Subject Access: Archaeology
Lovstrom locale
Lovstrom Block A - crew

Images





Lovstrom Block E 1987 - skyview of block

<http://archives.brandonu.ca/en/permalink/descriptions12588>

Part Of: RG 7 Beverley Nicholson fonds

Description Level: Item

Series Number: 3.6.1.5

Item Number: 3.6.1.5.5

Accession Number: 1-2010

GMD: graphic

Date Range: 1987

Physical Description: 688 x 934 (469KB)

Material Details: JPEG

Scope and Content:

Crew excavating at Block E.

Name Access: Lovstrom Block E 1987 - skyview of block

Subject Access: Archaeology
Lovstrom locale
Lovstrom Block E

Images





Lovstrom Block E - summary

<http://archives.brandonu.ca/en/permalink/descriptions12567>

Part Of: RG 7 Beverley Nicholson fonds

Description Level: Sub-series

Series Number: 3.6

Accession Number: 1-2010

GMD: multiple media

Date Range: 1987 - 1991

History /

Biographical:

This site is situated in a naturally sheltered area with a low rise to the east and south partly encircling a flat area open to the west. Present natural vegetation is an open oak forest with a light understory of saskatoon, hazelnut, poison ivy and sarsaparilla. It is situated on the till plain at the upper end of a ravine leading to Jock's Creek.

Two test units six meters apart were excavated in 1987 and produced cultural materials which warranted a block excavation, so seven contiguous 1m² units were then opened. These units proved to be very productive of cultural remains. Subsequent excavations in 1988 increased the number of excavated units to 21. In 1991 a further eight units were excavated for a total of 29 excavations and two test units. Excavations went deeper in this block than in Blocks C or B. Remains from the block included bison bone, bone tools, fire-cracked rock, ceramics, lithics including tools and debitage and a hearth. Another occupation was recovered in 1991 containing a hearth and living floor.

Radiocarbon samples have produced two distinct sets of radiocarbon dates from 1987 and 1988 excavations. There appears to be two or possibly three cultural horizons definable within this block.

An upper cultural horizon, located between 14-21 cm below surface, contains large bison bone and fire-cracked rock dating to 465/100B.P from XU 128.

A lower horizon in the 20-25 cm level contained FCR, bison bone and lithic scatter that was dated to 675/70 B.P. from XU 122 and 715/110 from XU 114.

Scope and Content:

Sub-series has been divided into sub sub series including: Lovstrom Block E 1987, Lovstrom Block E 1988 and Lovstrom Block E 1991.

Name Access: Lovstrom Block E - summary

Subject Access: Archaeology
Lovstrom locale
Lovstrom Block E



Lovstrom Block F - summary

<http://archives.brandonu.ca/en/permalink/descriptions12617>

Part Of: RG 7 Beverley Nicholson fonds

Description Level: Sub-series

Series Number: 3.7

Accession Number: 1-2010

GMD: multiple media

Date Range: 1988

History /

Biographical:

In 1988 four 1m² units were excavated in this Block F. The forest cover is identical to that of Block E, with an open oak forest with a light understory of saskatoon, hazelnut, poison ivy and sarsaparilla.

Underneath the litter mat (Ah) is a shallow, 15-20 cm "A" horizon of dark grey/brown silty loam with a high representation of pebble size clasts. The glacial clays, encountered at 20 cm below surface, consist of a matrix of light tan sandy clays containing rounded pebble to cobble size rocks.

The recoveries from this block consisted of a few ceramics, including Vickers Focus rim sherds, four lithic tools and a number of small bison bone fragments. There was no discernible cultural stratigraphy in the four 1m² units and the limited deposits of bone, ceramics and lithics were dispersed randomly throughout the 25 cm of cultural matrix. The lithic materials frequencies were similar to those in Block E with local cherts and KRF being the most abundant categories. A small amount of fire-cracked rock and a few large identifiable bison bones were recovered – all distributed randomly with little evidence for any pattern of clustering.

No RC dates.

Scope and Content:

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Name Access: Lovstrom Block F - summary

Subject Access: Archaeology
Lovstrom locale
Lovstrom Block F



Lovstrom Block H - summary

<http://archives.brandonu.ca/en/permalink/descriptions12638>

Part Of: RG 7 Beverley Nicholson fonds

Description Level: Sub-series

Series Number: 3.9

Accession Number: 1-2010

GMD: multiple media

Date Range: 1988 - 1991

History /

Biographical:

The vegetation in block H is similar to other areas in the locale with an open oak forest with a light understory of saskatoon, hazelnut, poison ivy and sarsaparilla.

The excavations of the eight 1m² units in 1988 resulted in the recovery of over 650 ceramic fragments including 20 rim sherds from at least four vessels, a grooved maul, fire-cracked rock, lithic debitage and a reworked Avonlea projectile point. A large amount of bison bone, including a number of axial elements and a fragmented skull were also recovered.

Based on the 1988 recoveries at the site further excavations took place in 1991. Nine excavation units were opened next to the previous excavations. Another 250 ceramic sherds were recovered in 1991. Nine vessels have been identified based on rim sherds. Vickers Focus and Woodland vessels have been identified and two vessels similar to Scattered Village Complex were recovered.

The lithic material assemblage is intermediate between Blocks G and E with KRF being the most frequent material category followed by local cherts.

Two features, a hearth and a curvilinear arrangement of rock were recovered. The high numbers of ceramic fragments suggests a habitation area, rather than hunting or butchering behavior. However, the separation of occupations at the site is difficult to establish and there may be different uses of the site by successive occupations.

Radiocarbon dates from this block indicate two occupations separated in time by some 300 years. XU 181 – 405/110 BP and XU 184 – 780/110 BP.

Scope and Content:

Sub-series has been divided into sub sub series including: Lovstrom Block H 1988 and Lovstrom Block H 1991.

Name Access: Lovstrom Block H - summary

Subject Access: Archaeology
Lovstrom locale
Lovstrom Block H



Lovstrom Block D - summary

<http://archives.brandonu.ca/en/permalink/descriptions12540>

Part Of: RG 7 Beverley Nicholson fonds

Description Level: Sub-series

Series Number: 3.5

Accession Number: 1-2010

GMD: multiple media

Date Range: 1987 - 1988

History /

Biographical:

Block D was wooded with oak and an understory of saskatoon and hazelnut with a thick ground cover of poison ivy and sarsaparilla. Root and rodent disturbance was extensive. Based on the recoveries from Test Unit 22 during the survey, further excavations were carried out. Two units 87 and 93 were excavated in 1987. A further four units were excavated in 1988. There appears to be a pre contact occupation and a protohistoric feature within the block.

Diagnostic lithics included a chert Plains Side-notch projectile point, and a large Woodland side-notched point. The lithic materials from Block D are primarily local cherts followed in abundance by Knife River Flint and Tongue River Silicified Sediment – both of which are exotics imported from the southwest. Faunal remains were primarily bison.

Thin-walled obliterated fabric impressed pottery with grit temper was recovered in all units. Diagnostic ceramics included two rims, one with a fabric impressed exterior and the lip notched with dowel impressions, and a second thick walled rim was fabric impressed to the lip. The ceramic wares appear to be essentially a Woodland complex with overtones of Plains influence.

RC date: 230/90 BP.

Scope and Content:

Sub-series has been divided into sub sub series including: Lovstrom Block D 1987 and Lovstrom Block D 1988.

Name Access: Lovstrom Block D - summary

Subject Access: Archaeology
Lovstrom locale
Lovstrom Block D



Lovstrom Block B - crew

<http://archives.brandonu.ca/en/permalink/descriptions12476>

Part Of: RG 7 Beverley Nicholson fonds

Description Level: Item

Series Number: 3.3.1.5

Item Number: 3.3.1.5.1

Accession Number: 1-2010

GMD: graphic

Date Range: 1987

Physical Description: 792 x 528 (479KB)

Material Details: JPEG

Scope and Content:

Block B crew of Peter Filopolous, Blaine Frenette and Kate Peach.

Name Access: Lovstrom Block B - crew

Subject Access: Archaeology
Lovstrom locale
Lovstrom Block B

Images



Lovstrom Block B - summary

<http://archives.brandonu.ca/en/permalink/descriptions12479>

Part Of: RG 7 Beverley Nicholson fonds

Description Level: Sub-series

Series Number: 3.3

Accession Number: 1-2010

GMD: multiple media

Date Range: 1987

History /

Biographical:

Block B consisted of 20 contiguous 1m² units excavated to 30 cm below surface. (except unit 58 which was excavated to 35 cm bs to obtain extended soil profile). The block is situated in recent oak and poplar forest at the head of a ravine leading to Jock's Creek, adjacent to an area cleared for market gardening. As was the case with Block A, the understory is heavily overgrown with hazelnut, chokecherry, saskatoon, and a poison ivy/sarsaparilla ground cover.

The soil levels below the sod in Block B consisted of a black, silty, and gritty loam layer from 5 cm to 23 cm below surface, a yellow and sandy clay from 23 cm to 30 cm below surface, and glacial till at 30 cm below surface. As in Block A, limestone cobbles were found throughout the occupation level around the bone. It is evident that bioturbation – primarily tree roots and rodent burrowing – have significantly altered patterns of original deposition of lithics, ceramics and small bone.

The faunal layer lay close to the surface, situated entirely in the black loam 5 cm – 23 cm below surface. The 23 cm depth also marked the end of the dark silty loam. At 10 cm below surface, a discernible patterning of the bone appeared. Concentrations of bone in narrow rows ran in an irregular pattern from the northwest to the southeast part of the block. This pattern was most apparent in the north end of the block which is the highest point in the block. In the same 1m² unit, patches of weathered, very poorly preserved bone would be found lying close to patches of well preserved bone. It is believed that this variability in preservation results from uneven rates of burial due to taphic activities of pocket gophers or other agents of bioturbation. The same pattern of uneven preservation occurs over much of the locale but is most evident in Block B.

Diagnostic lithics included eleven projectile points that were predominantly Plains or Prairie Side-notch types, but included two unnotched triangular points. Cord-wrapped impressed rim sherds and body sherds were recovered. The ceramics are variants of the Woodland Blackduck horizon.

RC dates: XU49 – 675/80 BP XU 59 – 705/75BP.

Scope and Content:

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Name Access: Lovstrom Block B - summary

Subject Access: Archaeology
Lovstrom locale
Lovstrom Block B



Lovstrom Block H 1991 - Group picture of Lovstrom crew

<http://archives.brandonu.ca/en/permalink/descriptions12703>

Part Of: RG 7 Beverley Nicholson fonds

Description Level: Item

Series Number: 3.9.2.5

Item Number: 3.9.2.5.3

Accession Number: 1-2010

GMD: graphic

Date Range: 1991

Physical Description: 1200 x 800(961KB)

Material Details: JPEG

Scope and Content:

Group picture of Lovstrom crew.

Name Access: Lovstrom Block H 1991 - Group picture of Lovstrom crew

Subject Access: Archaeology
Lovstrom locale
Lovstrom Block H

Images





Lovstrom Block D 1988 - site

<http://archives.brandonu.ca/en/permalink/descriptions12685>

Part Of: RG 7 Beverley Nicholson fonds

Description Level: Item

Series Number: 3.5.2.5

Item Number: 3.5.2.5.1

Accession Number: 1-2010

GMD: graphic

Date Range: 1988

Physical Description: 536 x776(360KB)

Material Details: JPEG

Scope and Content:

Block D at the Lovstrom locale.

Name Access: Lovstrom Block D 1988 - site

Subject Access: Archaeology
Lovstrom locale
Lovstrom Block D

Images





Lovstrom Block E 1988 - crew

<http://archives.brandonu.ca/en/permalink/descriptions12686>

Part Of: RG 7 Beverley Nicholson fonds

Description Level: Item

Series Number: 3.6.2.5

Item Number: 3.6.2.5.1

Accession Number: 1-2010

GMD: graphic

Date Range: 1988

Physical Description: 776 x 504(306KB)

Material Details: JPEG

Scope and Content:

Crew of Shannon Coyston, Kate Peach, Ellen Gyselman and Gaye Burton at the Lovstrom locale.

Name Access: Lovstrom Block E 1988 - crew

Subject Access: Archaeology
Lovstrom locale
Lovstrom Block E

Images





Lovstrom Block H 1988 - crew

<http://archives.brandonu.ca/en/permalink/descriptions12695>

Part Of: RG 7 Beverley Nicholson fonds

Description Level: Item

Series Number: 3.9.1.5

Item Number: 3.9.1.5.1

Accession Number: 1-2010

GMD: graphic

Date Range: 1988

Physical Description: 784 x 512(269KB)

Material Details: JPEG

Scope and Content:

Crew at the Lovstrom locale.

Name Access: Lovstrom Block H 1988 - crew

Subject Access: Archaeology
Lovstrom locale
Lovstrom Block H

Images

