

S. J. McKee Archives



Lovstrom Block C - XU 79 bison bones

http://archives.brandonu.ca/en/permalink/descriptions12535

Part Of: RG 7 Beverley Nicholson fonds

Description Level: Item
Series Number: 3.4.1.5
Item Number: 3.4.1.5.2
Accession Number: 1-2010
GMD: graphic
Date Range: 1987

Physical Description: 800 x 495(431KB)

Material Details: JPEG

Scope and Content:

Block C, level 3 bison bones.

Name Access: Lovstrom Block C - XU 79 bison bones

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:

Sub-sub-sub series contains: Summary information of field methology, number and coordinates 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 C - summary

Subject Access: Archaeology

Lovstrom locale Lovstrom Block C



Lovstrom Block C - crew

http://archives.brandonu.ca/en/permalink/descriptions 12538

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 Zywina 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 C - site co-ordinates

http://archives.brandonu.ca/en/permalink/descriptions12518

Part Of: RG 7 Beverley Nicholson fonds

Description Level: sub sub sub series

Series Number: 3.4.1.1
Accession Number: 1-2010

GMD: multiple media

Date Range: 1987

Material Details: Field journals have been scanned in multi-page PDF files. Artifact

catalogues are PDF files in spreadsheet format. Photographs are in jpeg

format.

History /

Biographical:

Large scale excavations of five block sites took place in 1987 under the direction of Bev Nicholson with Jane Gibson as crew chief. Block C consisted of nine excavation units. Miggs Green was Block C assistant.

Scope and Content:

Sub-sub-sub series contains: Summary information of field methology, number and coordinates of excavations, personnel and their staff position.

Name Access: Lovstrom Block C - site co-ordinates

Subject Access: Archaeology

Lovstrom locale Lovstrom Block C

Documents





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 methology, number and coordinates 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/descriptions 12475

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 A - site co-ordinates

http://archives.brandonu.ca/en/permalink/descriptions12452

Part Of: RG 7 Beverley Nicholson fonds

Description Level: sub sub sub series

Series Number: 3.2.1.1
Accession Number: 1-2010

GMD: multiple media

Date Range: 1987

Material Details: Field journals have been scanned in multi-page PDF files. Artifact

catalogues are PDF files in spreadsheet format. Photographs are in jpeg

format.

History /

Biographical:

Large scale excavations of five block sites took place in 1987 under the direction of Bev Nicholson with Jane Gibson as crew chief. Block A consisted of 12 excavation units.

Scope and Content:

Sub-sub-sub series contains: Summary information of field methology, number and coordinates of excavations, personnel and their staff position.

Name Access: Lovstrom Block A - site co-ordinates

Subject Access: Archaeology

Lovstrom locale Lovstrom Block A

Documents





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 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 D 1987

http://archives.brandonu.ca/en/permalink/descriptions12541

Part Of: RG 7 Beverley Nicholson fonds

Description Level: Sub sub series

Series Number: 3.5.1
Accession Number: 1-2010

GMD: multiple media

Date Range: 1987

Material Details: Field journals have been scanned in multi-page PDF files. Artifact

catalogues are PDF files in spreadsheet format. Photographs are in jpeg

format.

History /

Biographical:

Block D is a 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.

Directed by Dr. Nicholson and with Jane Gibson as crew chief, two units were opened in Block D in 1987. A hearth was identified with a ring of stones containing charcoal and burnt bone. Recoveries included two rim sherds with tool-impressed decorations along the outer edge and two prairie side-notched points. Associated bone was primarily appendicular, indicating secondary butchering.

A radiocarbon date of 230+/-90 B.P. recovered in 1987 from 17 cm below surface is consistent with a Protohistoric occupation.

Scope and Content:

Sub-sub-sub series contains: Summary information of field methology, number and coordinates 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 D 1987

Subject Access: Archaeology

Lovstrom locale Lovstrom Block D



Lovstrom Block D 1988

http://archives.brandonu.ca/en/permalink/descriptions12554

Part Of: RG 7 Beverley Nicholson fonds

Description Level: Sub sub series

Series Number: 3.5.2
Accession Number: 1-2010

GMD: multiple media

Date Range: 1988

Material Details: Field journals have been scanned in multi-page PDF files. Artifact

catalogues are PDF files in spreadsheet format. Photographs are in jpeg

format.

History /

Biographical:

Block D is a 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.

Directed by Dr. Nicholson with lan Kuijit as crew chief, five units were opened in Block D in 1988. Four units were excavated: 88, 91, 92 and 94. A feature in units 91 and 92 contained extensive deposits of large bison bone and fire-cracked rock. Several of the lower limb elements were articulated. Bone deposits were associated with numerous large fire-cracked rocks and were clustered in an area of one meter. Also recovered were a side-notched projectile point and two historic gun flints.

Judging from the association of the gun flints, projectile points, and bison bone, as well as the radiocarbon date of 230+/-90 B.P. recovered in 1987, it appears that this feature is from the Protohistoric period and related to refuse disposal.

Scope and Content:

Sub-sub-sub series contains: Summary information of field methology, number and coordinates 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 D 1988

Subject Access: Archaeology

Lovstrom locale Lovstrom Block D



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 E 1987

http://archives.brandonu.ca/en/permalink/descriptions12568

Part Of: RG 7 Beverley Nicholson fonds

Description Level: Sub sub series

Series Number: 3.6.1
Accession Number: 1-2010

GMD: multiple media

Date Range: 1987

Material Details: Field journals have been scanned in multi-page PDF files. Artifact

catalogues are PDF files in spreadsheet format. Photographs are in jpeg

format.

History / Biographical:

Directed by Dr. Nicholson and with Jane Gibson as crew chief, two test units TU 107 and TU 108 were excavated six meters apart in 1987 and produced cultural materials which warranted a block excavation. Seven contiguous 1m2 units were opened in 1987 (XU 118, 119, 122, 123, 125, 126 (TU108) and 127). This block proved to be very productive of cultural remains. Large bison bone and fire-cracked rock indicated butchering/processing areas. Two bone tools, fabricated from scapulae were recovered. One is a bone knife – possibly a squash knife – and the other is a bifurcated scapula, which may have been a hoe.

Scope and Content:

Sub-sub-sub series contains: Summary information of field methology, number and coordinates 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 E1987

Subject Access: Archaeology

Lovstrom locale Lovstrom Block E



Lovstrom Block E 1988

http://archives.brandonu.ca/en/permalink/descriptions12590

Part Of: RG 7 Beverley Nicholson fonds

Description Level: Sub sub series

Series Number: 3.6.2
Accession Number: 1-2010

GMD: multiple media

Date Range: 1988

Material Details: Field journals have been scanned in multi-page PDF files. Artifact

catalogues are PDF files in spreadsheet format. Photographs are in jpeg

format.

History / Biographical:

Directed by Dr. Nicholson and with lan Kuijt as crew chief, fourteen additional units were excavated in Block E in 1988. Stratigraphic evidence of distinct activity areas at successive depths and radiocarbon dates indicate at least three occupations (380 BP, 700 BP and 860 BP).

Three identified activity clusters occur stratigraphically, supporting these dated occupations. A clear distinction between Blackduck and Vickers Focus ceramics is evident in this Block. Sixteen small side-notched and un-notched points were recovered in this excavation series as well as numerous unifacial scrapers. Fragments from a grey soapstone tube were also recovered.

Scope and Content:

Sub-sub-sub series contains: Summary information of field methology, number and coordinates 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 E1988

Subject Access: Archaeology

Lovstrom locale Lovstrom Block E



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 1 m 2 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:

Sub-sub-sub series contains: Summary information of field methology, number and coordinates 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 B - summary

Subject Access: Archaeology

Lovstrom locale Lovstrom Block B