

S. J. McKee Archives



Flintstone Hill 1998-2000 - artifact catalogue

<http://archives.brandonu.ca/en/permalink/descriptions12297>

Part Of: RG 7 Beverley Nicholson fonds

Description Level: sub sub sub series

Series Number: 2.2.2.4

File Number: 2

Accession Number: 1-2010

GMD: textual records

Date Range: 1998-2000

Physical Description: 1 pages

Material Details: PDF

History /

Biographical:

Artifact catalogue containing 42 records from the survey.

Scope and Content:

Spreadsheet containing information about the artifacts recovered from the survey.

Name Access: Flintstone Hill 1998-2000 - artifact catalogue

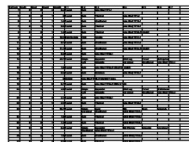
Subject Access: Archaeology

North Lauder locale

Flintstone Hill DiMe -26

Flintstone Hill 1998-2000 - artifact catalogue

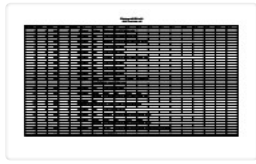
Documents



2.2.2.4.2_FSH_artcat_9
8.xls.pdf

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Flintstone Hill 1998-2000 - Test Units artifact catalogue

<http://archives.brandonu.ca/en/permalink/descriptions12296>

Part Of: RG 7 Beverley Nicholson fonds

Description Level: sub sub sub series

Series Number: 2.2.2.4

File Number: 1

Accession Number: 1-2010

GMD: textual records

Date Range: 1998-2000

Physical Description: 17 pages

Material Details: PDF

History /

Biographical:

Artifact catalogue containing 116 records from five test units.

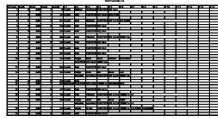
Scope and Content:

Spreadsheet containing information about the artifacts recovered from test units.

Name Access: Flintstone Hill 1998-2000 - Test Units artifact catalogue

Subject Access: Archaeology
North Lauder locale
Flintstone Hill DiMe -26
Flintstone Hill 1998-2000 - Test Units artifact catalogue

Documents



2.2.2.4.1_FSH_TestUnits_1to5.pdf

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Flintstone Hill 1997

<http://archives.brandonu.ca/en/permalink/descriptions12284>

Part Of: RG 7 Beverley Nicholson fonds
Description Level: Sub sub series
Series Number: 2.2.1
Accession Number: 1-2010
GMD: multiple media
Date Range: 1997
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:

During the mid 1990's to the early 2000's archaeological surveying and testing took place on Flintstone Hill. In 1997 testing at the site revealed a bison skull eroding from the cutbank. A field crew dug a series of overlapping trenches down the slope of the profile and produced a schematic drawing. A radiocarbon date from the lower edge of the profile gave a date of 10,400 RCY.

Test units along the cutbank recovered lithics, soil samples, fire-cracked rock, charcoal, bison remains including a very large bison skull measuring 430-440 cm and thought to be an ancient species.

Radiocarbon dates at Flintstone hill gave dates of: a hearth dating to 3250+/-70 R.C.Y. (BETA 109529); a butchered atlas bone 4090+/-70 R.C.Y. (BETA 109990); and bone fragments accompanied by Swan River Chert and Knife River Flint lithic flakes 5350+/-50 (BETA 109530). While no diagnostic tools were recovered, these dates suggest that this occupation, which is contemporary with the Atkinson site, may be a Gowen occupation.

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: Flintstone Hill 1997
Subject Access: Archaeology
North Lauder locale
Flintstone Hill - DiMe-26
Flintstone Hill 1997



Flintstone Hill - 1997 - Beverley Nicholson field journal

<http://archives.brandonu.ca/en/permalink/descriptions12285>

Part Of: RG 7 Beverley Nicholson fonds

Description Level: File

Series Number: 2.2.1.2.

File Number: 1

Accession Number: 1-2010

GMD: textual records

Date Range: 1997

Physical Description: page 24 and 25

Material Details: PDF

History /

Biographical:

Field journal of Bev Nicholson.

Scope and Content:

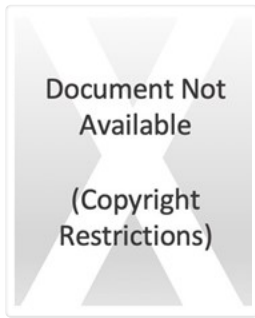
Record of crew and removal of bison skull in the river bank.

Name Access: Flintstone Hill - 1997 - Beverley Nicholson field journal

Subject Access: Archaeology
North Lauder locale
Flintstone Hill - DiMe-26
Flintstone Hill - 1997 -

Documents





Flintstone Hill 1997 - Matt Boyd field journal

<http://archives.brandonu.ca/en/permalink/descriptions12286>

Part Of: RG 7 Beverley Nicholson fonds

Description Level: File

Series Number: 2.2.1.2.

File Number: 2

Accession Number: 1-2010

GMD: textual records

Date Range: 1997

Physical Description: 79 pages

Material Details: PDF

History /

Biographical:

Field journal of Matt Boyd

Scope and Content:

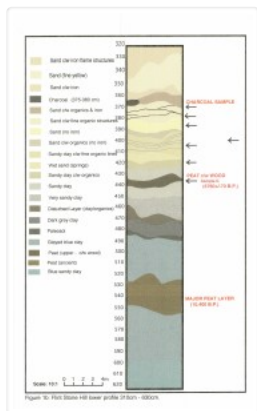
Record of survey and sampling on Flintstone Hill 1997.

Name Access: Flintstone Hill 1997 - Matt Boyd field journal

Subject Access: Archaeology
North Lauder locale
Flintstone Hill - DiMe-26
Flintstone Hill 1997

Documents





Flintstone Hill 1997 - profile of cutbank

<http://archives.brandonu.ca/en/permalink/descriptions12288>

Part Of: RG 7 Beverley Nicholson fonds

Description Level: File

Series Number: 2.2.1.3

File Number: 1

Accession Number: 1-2010

GMD: electronic records

Date Range: 1997

Physical Description: 2 pages

Material Details: PDF

History /

Biographical:

Soil profile of Flintstone Hill cutbank. A series of steps were cut in the bank from 0 to 639 cm.

Scope and Content:

The site was surveyed and tested but not excavated. The profile of the cutbank was the site record.

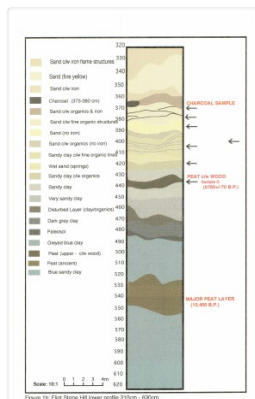
Name Access: Flintstone Hill 1997 - profile of cutbank

Subject Access: Archaeology
North Lauder locale

Flintstone Hill DiMe-26

Flintstone Hill 1997 - profile of cutbank

Documents



2.2.1.3_FSH_profile.pdf

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Flintstone Hill 1997 - Stratigraphy profile

<http://archives.brandonu.ca/en/permalink/descriptions12305>

Part Of: RG 7 Beverley Nicholson fonds

Description Level: Item

Series Number: 2.2.1.5

Item Number: 2.2.1.5.2

Accession Number: 1-2010

GMD: graphic

Date Range: 1997

Physical Description: 796 x 1124(374)

Material Details: JPEG

History /

Biographical:

Photograph taken during 1997 Brandon University Archaeology survey at Flintstone Hill.

Scope and Content:

Stratigraphy profile of the riverbank.

Name Access: Flintstone Hill 1997 - Stratigraphy profile

Subject Access: Archaeology

North lauder locale

Flintstone Hill DiMe-26

Flintstone Hill 1997 - Stratigraphy profile

Images





Flintstone Hill 1997 - Bison skull

<http://archives.brandonu.ca/en/permalink/descriptions12306>

Part Of: RG 7 Beverley Nicholson fonds

Description Level: Item

Series Number: 2.2.1.5

Item Number: 2.2.1.5.3

Accession Number: 1-2010

GMD: graphic

Date Range: 1997

Physical Description: 796 x 1123(387)

Material Details: JPEG

History /

Biographical:

Photograph taken during 1997 Brandon University Archaeology survey at Flintstone Hill.

Scope and Content:

Bison skull in the riverbank.

Name Access: Flintstone Hill 1997 - Bison skull

Subject Access: Archaeology
North lauder locale
Flintstone Hill DiMe-26
Flintstone Hill 1997 - Bison skull

Images





Flintstone Hill 1997 - Scott Hamilton surveying

<http://archives.brandonu.ca/en/permalink/descriptions12304>

Part Of: RG 7 Beverley Nicholson fonds

Description Level: Item

Series Number: 2.2.1.5

Item Number: 2.2.1.5.1

Accession Number: 1-2010

GMD: graphic

Date Range: 1997

Physical Description: 1126 x 797(402)

Material Details: JPEG

History /

Biographical:

Photograph taken during 1997 Brandon University Archaeology survey at Flintstone Hill.

Scope and Content:

Scott Hamilton surveying the riverbank.

Name Access: Flintstone Hill 1997 - Scott Hamilton surveying

Subject Access: Archaeology

North lauder locale

Flintstone Hill DiMe-26

Flintstone Hill 1997 - Scott Hamilton surveying

Images





Flintstone Hill 1997 - photographing bison skull

<http://archives.brandonu.ca/en/permalink/descriptions12307>

Part Of: RG 7 Beverley Nicholson fonds

Description Level: Item

Series Number: 2.2.1.5

Item Number: 2.2.1.5.4

Accession Number: 1-2010

GMD: graphic

Date Range: 1997

Physical Description: 795 x 1197(535)

Material Details: JPEG

History /

Biographical:

Photograph taken during 1997 Brandon University Archaeology survey at Flintstone Hill.

Scope and Content:

Bev Nicholson photographing bison skull from the top of the riverbank.

Name Access: Flintstone Hill 1997 - photographing bison skull

Subject Access: Archaeology

North lauder locale

Flintstone Hill DiMe-26

Flintstone Hill 1997 - photographing bison skull

Images





Flintstone Hill 1997 - photography on cliff edge

<http://archives.brandonu.ca/en/permalink/descriptions12308>

Part Of: RG 7 Beverley Nicholson fonds

Description Level: Item

Series Number: 2.2.1.5

Item Number: 2.2.1.5.5

Accession Number: 1-2010

GMD: graphic

Date Range: 1997

Physical Description: 1114 x 783(527)

Material Details: JPEG

History /

Biographical:

Photograph taken during 1997 Brandon University Archaeology survey at Flintstone Hill.

Scope and Content:

Bev Nicholson photographing the bison skull part way down the cliff.

Name Access: Flintstone Hill 1997 - photography on cliff edge

Subject Access: Archaeology

North lauder locale

Flintstone Hill DiMe-26

Flintstone Hill 1997 - photography on cliff edge

Images





Flintstone Hill 1997 - Bison skull in situ

<http://archives.brandonu.ca/en/permalink/descriptions12310>

Part Of: RG 7 Beverley Nicholson fonds

Description Level: Item

Series Number: 2.2.1.5

Item Number: 2.2.1.5.7

Accession Number: 1-2010

GMD: graphic

Date Range: 1997

Physical Description: 1125 x 797(454)

Material Details: JPEG

History /

Biographical:

Photograph taken during 1997 Brandon University Archaeology survey at Flintstone Hill.

Scope and Content:

Bison skull in situ.

Name Access: Flintstone Hill 1997 - Bison skull in situ

Subject Access: Archaeology

North lauder locale

Flintstone Hill DiMe-26

Flintstone Hill 1997 - Bison skull in situ

Images





Flintstone Hill 1997 - removal of bison skull

<http://archives.brandonu.ca/en/permalink/descriptions12312>

Part Of: RG 7 Beverley Nicholson fonds

Description Level: Item

Series Number: 2.2.1.5

Item Number: 2.2.1.5.9

Accession Number: 1-2010

GMD: graphic

Date Range: 1997

Physical Description: 1108 x 775(476)

Material Details: JPEG

History /

Biographical:

Photograph taken during 1997 Brandon University Archaeology survey at Flintstone Hill.

Scope and Content:

Crew removing the bison skull.

Name Access: Flintstone Hill 1997 - removal of bison skull

Subject Access: Archaeology

North lauder locale

Flintstone Hill DiMe-26

Flintstone Hill 1997 - removal of bison skull

Images





Flintstone Hill 1997 - students on top of the bank

<http://archives.brandonu.ca/en/permalink/descriptions12313>

Part Of: RG 7 Beverley Nicholson fonds

Description Level: Item

Series Number: 2.2.1.5

Item Number: 2.2.1.5.10

Accession Number: 1-2010

GMD: graphic

Date Range: 1997

Physical Description: 1118 x 790(489)

Material Details: JPEG

History /

Biographical:

Photograph taken during 1997 Brandon University Archaeology survey at Flintstone Hill.

Scope and Content:

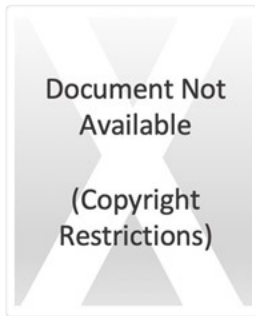
Students watching the bison skull recovery from the top of the bank.

Name Access: Flintstone Hill 1997 - students on top of the bank

Subject Access: Archaeology
North lauder locale
Flintstone Hill DiMe-26
Flintstone Hill 1997 - students on top of the bank

Images





Flintstone Hill 1997 - D Harkness field journal

<http://archives.brandonu.ca/en/permalink/descriptions12287>

Part Of:	RG 7 Beverley Nicholson fonds
Description Level:	File
Series Number:	2.2.1.2.
File Number:	3
Accession Number:	1-2010
GMD:	textual records
Date Range:	1997
Physical Description:	6 pages
Material Details:	PDF
History / Biographical:	Harkness field journal
Scope and Content:	Brief description of survey on Flintstone Hill 1997.
Name Access:	Flintstone Hill 1997 - D Harkness field journal
Subject Access:	Archaeology North Lauder locale Flintstone Hill - DiMe-26 Flintstone Hill 1997 - D Harkness field journal

Documents





Flintstone Hill 1997 - photography on cliff edge 2

<http://archives.brandonu.ca/en/permalink/descriptions12309>

Part Of: RG 7 Beverley Nicholson fonds

Description Level: Item

Series Number: 2.2.1.5

Item Number: 2.2.1.5.6

Accession Number: 1-2010

GMD: graphic

Date Range: 1997

Physical Description: 1102 x 792(530)

Material Details: JPEG

History /

Biographical:

Photograph taken during 1997 Brandon University Archaeology survey at Flintstone Hill.

Scope and Content:

Scott Hamilton photographing bison skull from the edge of the cliff.

Name Access: Flintstone Hill 1997 - photography on cliff edge 2

Subject Access: Archaeology
North lauder locale
Flintstone Hill DiMe-26
Flintstone Hill 1997 - photography on cliff edge 2

Images





Flintstone Hill 1997 - Bison skull close-up

<http://archives.brandonu.ca/en/permalink/descriptions12311>

Part Of: RG 7 Beverley Nicholson fonds

Description Level: Item

Series Number: 2.2.1.5

Item Number: 2.2.1.5.8

Accession Number: 1-2010

GMD: graphic

Date Range: 1997

Physical Description: 1187 x 792(486)

Material Details: JPEG

History /

Biographical:

Photograph taken during 1997 Brandon University Archaeology survey at Flintstone Hill.

Scope and Content:

Bison skull close-up in situ.

Name Access: Flintstone Hill 1997 - Bison skull close-up

Subject Access: Archaeology

North lauder locale

Flintstone Hill DiMe-26

Flintstone Hill 1997 - Bison skull close-up

Images





Flintstone Hill 1998-2000 - crew at Flintstone Hill

<http://archives.brandonu.ca/en/permalink/descriptions12324>

Part Of: RG 7 Beverley Nicholson fonds

Description Level: Item

Series Number: 2.2.2.5

Item Number: 2.2.2.5.11

Accession Number: 1-2010

GMD: graphic

Date Range: 1998-2000

Physical Description: 792 x 536(362)

Material Details: JPEG

History /

Biographical:

Photograph taken during 1998-2000 Brandon University Archaeology survey at Flintstone Hill.

Scope and Content:

Rea Postalski, Steve Kaastan and Chris Hamilton at Flintstone Hill.

Name Access: Flintstone Hill 1998-2000 - Crew at Flintstone Hill

Subject Access: Archaeology

North lauder locale

Flintstone Hill DiMe-26

Flintstone Hill 1998-2000 - crew at Flintstone Hill

Images



Flintstone Hill is located on the north bank of the Souris River. It is a deeply stratified lacustrine, fluvial and aeolian soil profile that has been exposed by the river through stream-bank erosion. This section is thought to be the most complete middle to late Holocene exposure on the northeastern plains. While the value of the site is primarily for paleo-environmental research and reconstruction, cultural deposits have been identified at the site. Local collectors have picked up lithic materials as they eroded out of the bank for the past several decades and it was they who had named the site. Mr. Bruce Timms from Lauder first drew the Flintstone Hill site to the attention of Dr. Nicholson of Brandon University.

During the mid 1990's to the early 2000's archaeological testing took place on Flintstone Hill. In 1998, an archaeological field crew dug a series of overlapping trenches down the slope of the profile and produced a schematic drawing. A peat layer at the bottom of this profile, dated from the top at 9,400 RCY and at the bottom to 10,400 RCY, has provided details of marsh plant and insect communities at this time.

Subsequent archaeological investigations at the site recovered several cultural deposits including: a hearth dating to 3250 $\pm$ 70 R.C.Y. (BETA 109529); a butchered atlas bone 4090 $\pm$ 70 R.C.Y. (BETA 109990); and bone fragments accompanied by Swan River Chert and Knife River Flint lithic flakes 5350 $\pm$ 50 (BETA 109530). While no diagnostic tools were recovered, these dates suggest that this occupation, which is contemporary with the Atkinson site, may be a Gowen occupation.

Extensive paleo-environmental research has been conducted at the site. Dr. Running, a geomorphologist from the University of Wisconsin – Eau Claire, participated in the Study of Cultural Adaptations in the Prairie Ecozone (SCAPE) Project and he and his students tested the site for several years. He was joined in this effort by Dr. Havholm, Dr. Boyd, Dr. Wiseman, Dr. Beaudoin, and other SCAPE researchers in the interpretation of the paleo-environment of the Glacial Lake Hind basin. The following article is recommended reading.

Running, Garry L., Karen G. Havholm, Matt Boyd and Dion J. Wiseman
2002 Holocene Stratigraphy and Geomorphology of Flintstone Hill, Lauder Sandhills, Glacial Lake Hind Basin, Southwestern Manitoba. *Geographie Physique et Quaternaire* 56(2-3):291-303.

Scope and Content:

Sub series has been divided into two sub sub series including: (1) Flintstone Hill 1997 (2) Flintstone Hill 1998-2000

Name Access: Flintstone Hill - DiMe-26
Subject Access: Archaeology
North Lauder locale
Flintstone Hill - DiMe-26



Flintstone Hill 1998-2000 - crew at Flintstone Hill

<http://archives.brandonu.ca/en/permalink/descriptions12325>

Part Of: RG 7 Beverley Nicholson fonds

Description Level: Item

Series Number: 2.2.2.5

Item Number: 2.2.2.5.12

Accession Number: 1-2010

GMD: graphic

Date Range: 1998-2000

Physical Description: 1115 x 800(373)

Material Details: JPEG

History /

Biographical:

Photograph taken during 1998-2000 Brandon University Archaeology survey at Flintstone Hill.

Scope and Content:

Lauder crew in camp.

Name Access: Flintstone Hill 1998-2000 - Lauder crew in camp

Subject Access: Archaeology

North lauder locale

Flintstone Hill DiMe-26

Flintstone Hill 1998-