

S. J. McKee Archives



Archives - exhibits and displays

<http://archives.brandonu.ca/en/permalink/descriptions7981>

Part Of: RG 6 Brandon University fonds

Description Level: Sub sub series

Series Number: 8.2.4

GMD: multiple media

Date Range: 2004-2007

Scope and Content:

Sub sub series consists of archival exhibits and displays, as well as records generated to create the displays.

Storage Location: RG 6 Brandon University fonds

Series 8: Library Services

8.2 S.J. McKee Archives



North Lauder locale Radiocarbon Report 2

<http://archives.brandonu.ca/en/permalink/descriptions12328>

Part Of: RG 7 Beverley Nicholson fonds

Description Level: Sub sub series

Series Number: 2.5.2

Accession Number: 1-2010

GMD: multiple media

Date Range: 1997-2000

Physical Description: 2 pages

Material Details: Radiocarbon date reports have been scanned in multi-page PDF files.

History /

Biographical:

North Lauder Radiocarbon Date report by IsoTrace Laboratory for Atkinson site #TO-10640.

Radiocarbon dating

The technique of radiocarbon dating was developed by Willard Libby and his colleagues at the University of Chicago in 1949.

Radiocarbon dating is used to estimate the age of organic remains from archaeological sites. Organic matter has a radioactive form of carbon (C14) that begins to decay upon death. C14 decays at a steady, known rate of a half life of 5,730 years. The technique is useful for material up to 50,000 years. Fluctuations of C14 in the atmosphere can affect results so dates are calibrated against dendrochronology. Radiocarbon dates are calibrated to calendar years.

Dates are reported in radiocarbon years or Before Present. Before Present refers to dates before 1950. The introduction of massive amounts of C14, due to atomic bomb and surface testing of atomic weapons, has widely increased the standard deviation on all dates after A.D. 1700 causing these dates to be unreliable.

Accelerated mass spectrometry can more accurately measure C14 with smaller samples and can date materials to 80,000 years.

Scope and Content:

Sub sub series contains radiocarbon dates from: Atkinson site and Flintstone Hill.

Name Access: North Lauder locale Radiocarbon Report 2

Subject Access: Archaeology
North Lauder locale
North Lauder locale Radiocarbon Report 2

Documents

IsoTrace Radiocarbon Laboratory
Accelerator Mass Spectrometry Facility
at the University of Florida

400 N. College Avenue
Gainesville, Florida 32602-7020
Phone: 352-392-2025
Email: iso@isotraceradiocarbon.com

Radiocarbon Analysis Report
May 17, 2010

Reference: A. Hatcher, "The Use of Radiocarbon Dating in Archaeology",
University of Florida, Gainesville, Florida, 1998.


The report was prepared for the purpose of providing information to the client regarding the results of the analysis. The report is intended for use by the client and is not to be used for any other purpose. The report is confidential and its contents should not be disclosed to any other person without the written consent of the client.


Sample	Location	Depth	Material	Age (BP)
TO-10640-1	Atkinson site	10 cm	Charcoal	2000 ± 100

I certify that the data presented in this report is true and accurate to the best of my knowledge and belief. I am a duly qualified and licensed professional in the field of radiocarbon dating.

[Signature]
Dr. R. P. Hatcher

2.5.2_Atkinson_RC14_
TO-10640.pdf

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