

CANADIAN
CONSERVATION
INSTITUTE



INSTITUT
CANADIEN DE
CONSERVATION



ANNUAL REVIEW 2006-2007



Canadian Patrimoine
Heritage canadien

Canada

ANNUAL REVIEW OBJECTIVES

To present comprehensive information on results achieved in 2006–2007 by the Canadian Conservation Institute (CCI) to the Department of Canadian Heritage, to CCI clients, and to the Canadian public in general, while emphasizing CCI's main contributions to cultural heritage conservation.



Director General's Message



This "Year in Review" allows me to share with you, CCI's clients and partners, in Canada and internationally, our accomplishments over 2006–2007. As is often the case, much of our work was behind the scenes and directed at ensuring, through results-based management and clear vision, high-quality service to the heritage community.

Clear vision starts with a clear mission statement. Our new mission statement reinforces our role to **support** the heritage community in preserving Canada's heritage collections. We accomplish this through our expertise in conservation science, treatment, and preventive conservation. Our end goal is to help ensure that our heritage is accessible to current and future generations.

On a more practical level, we updated our approach to service delivery by redefining categories of clients eligible for our services; establishing new criteria for assessing service requests; clarifying our revenue generation policy and fee structure; and launching an e-Services portal on the CCI Web site. Our objective was to be more responsive and transparent to our clients and to ensure that our services are equitably distributed across Canada.

One of our important initiatives was developing an electronic version of *CCI Notes* available free to clients in Canada and for a one-time fee to clients outside Canada.

On the international scene, CCI continues to make significant contributions through professional development workshops, collaborative research projects, and technical and scientific presentations to the conservation community. In every case, we bring back new knowledge that we share with the heritage community in Canada.

The 2006–2007 year presented numerous challenges. The ongoing renovations kept many of our laboratories closed. As well, the Exhibit Transportation Services (ETS) will be discontinued effective April 1, 2008. This decision was driven by operational requirements resulting from an internal audit of our financial and procurement management.

We look ahead to 2007–2008 with a great deal of optimism. Our conservation scientists and conservators will be back in their labs, working on research projects, treating artifacts, and supervising interns. We will be assessing our approach to conservation research, including its dissemination to, and impact on, the heritage community. As well, a review of our training activities will help us better meet our clients' needs.

We will be hosting an international symposium, *Preserving Aboriginal Heritage: Technical and Traditional Approaches*, September 24–28, 2007.

CCI staff have been planning this event for the past 2 years, working with an Advisory Committee comprising First Nations, Inuit, and Metis people from across Canada.

In conclusion, I would like to thank all CCI staff for their dedication and hard work, our clients for their patience during our renovations, and our partners here in Canada and internationally for their collaboration.



Preserving Aboriginal Heritage:
Technical and Traditional Approaches

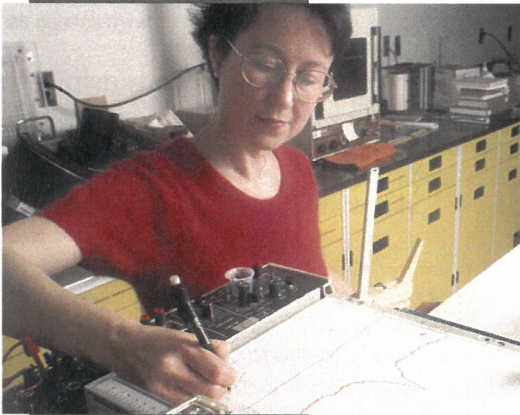
Préserver le patrimoine autochtone :
approches techniques et traditionnelles

Symposium 2007

September 24 to 28 • Du 24 au 28 septembre



CCI's Mission



Through its expertise in conservation science, treatment, and preventive conservation, the Canadian Conservation Institute supports the heritage community in conserving Canada's heritage collections so they may be accessible to present and future generations.

To achieve its mission, CCI organizes its operations under three business lines:

- **research and development in conservation**, including interdisciplinary research, advanced techniques for treatment and restoration, and practical and innovative solutions for caring for collections
- **equitable provision of expert services** to all Canadian clients, including scientific analysis, treatment, and advisory services that meet their needs and complement the services available from the private sector
- **dissemination of conservation knowledge**, through training, professional development, conferences, and publications, to assist professionals and volunteers from the heritage community in making discerning decisions about conservation

To support these three business lines, an array of internal corporate products and services, such as informatics and administration services, management systems, etc., are put at the disposal of CCI staff.

In their daily work, CCI conservators and conservation scientists:

- seek to understand the material structure of contemporary and historic cultural objects by researching and developing new methods and scientific tools
- treat contemporary and historic cultural objects by designing and applying techniques developed through scientific evaluations and treatments
- contribute to conserving contemporary and historic cultural object collections by developing and disseminating
 - a. collection management strategies
 - b. emergency standards and plans
 - c. advice on presentation, storage, and transportation
 - d. conservation knowledge

Results Achieved in 2006-2007

Throughout the major renovations that began in 2003, CCI has continued to provide Canada's heritage community with expert services and training, and to make its research findings and publications accessible. However, because the treatment and restoration labs were unavailable, CCI expert services provided to clients were mainly focused on scientific examination and analysis, as well as dissemination of knowledge.



Training services: 326 participants attended various CCI training and workshop sessions offered internationally (17%) and nationally (83%), with 99–100% reporting they were satisfied with the training.

Publications: More than 5900 publications were sold in Canada (26%) and abroad (74%).

Library: 885 products were delivered (staff loaned out 469 books, photocopied 228 articles, and welcomed 188 visitors) and about 100 reference requests were answered.

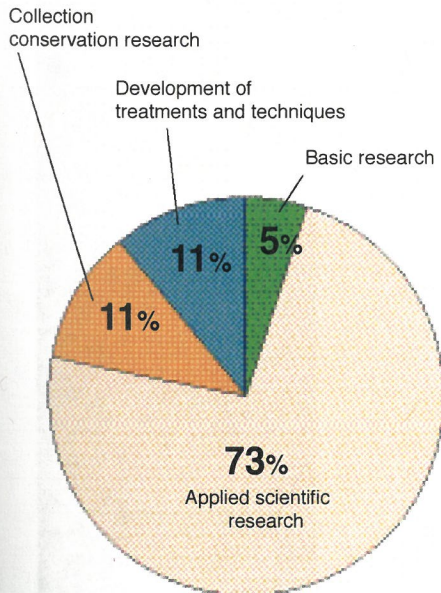
Performance in 2006–2007

Research projects: 51 projects were pursued, some in CCI laboratories that remained functional, and some in labs at Library and Archives Canada and Parks Canada, graciously put at CCI's disposal.

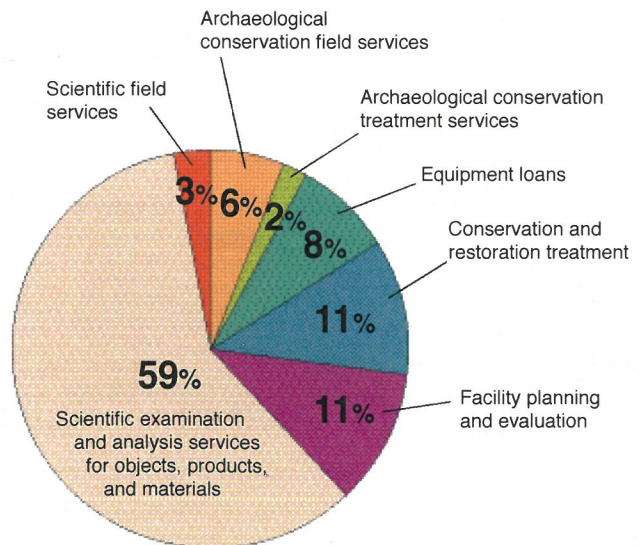
Expert services: More than 870 services were provided, including over 550 direct responses to clients regarding their phone or e-mail requests for conservation advice and information.

Exhibit Transportation Services: 133 exhibits were transported without damage, making them accessible to the Canadian public in 218 heritage institutions in ten provinces and Yukon.

Web Sites	CCI's Main Site	Preserving my Heritage
Number of Visitors	835,507	325,009
Number of Hits	11,792,662	7,758,938
Documents Viewed	2,302,009	599,943



Research projects



Expert services

Conservation Activities and Projects



Research and Development

Risk Assessment

Milestones in the development of the user-friendly risk assessment tool for Canadian museums included adopting the ISO approved Australia & New Zealand Risk Management Standard AS/NZS (2004), and starting the construction of risk models in Analytica, a software tool for creating and analysing decision models.

Iron-gall Ink

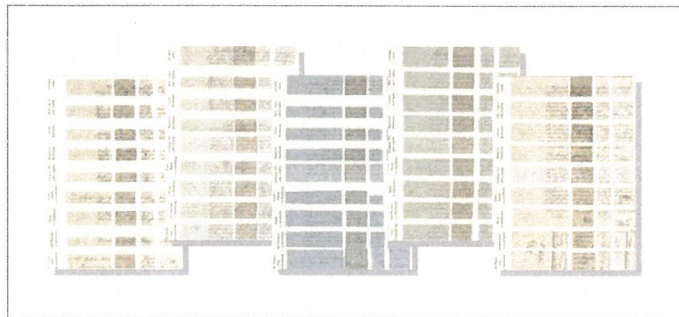
The project to study the occurrence and remediation of iron-gall ink in archival collections is nearing completion, with the final evaluation of test samples set for 2007–2008. Remediation techniques such as simmering and phytate treatment were tested and evaluated using eight separate methods. The bathophenanthroline test for detecting iron in paper was found to be useful. A risk model and a survey form were developed to help manage collections at risk.

Pesticides

This project will provide Canadian museums and Aboriginal cultural centres with information on handling and caring for pesticide-contaminated collections. Initial work has concentrated on preparing safety-related information. The experimental phase of the project will develop and improve analytical techniques to quantify pesticide residues in museum objects.

Riopelle

Experimental work on studying the materials and techniques of Jean-Paul Riopelle was completed and the data compiled in a database. The results of the study were published in *Technè*, a scientific journal well-known to the international heritage community.



Expert Services

Furniture

Three pieces of Egyptian Revival Furniture from Fulford House in Brockville were treated by CCI staff in Parks Canada labs. Numerous pieces of bone and wood on the settee, chair, and stool were re-adhered, losses replaced, and the surface cleaned.



Treaties Project

In collaboration with Library and Archives Canada, CCI is studying original treaty documents between the Government of Canada and the Aboriginal peoples in Canada. The object is to establish a baseline condition of the treaties so that their deterioration can be precisely monitored in the future. Of particular interest to CCI is the occurrence and usage of parchment and iron-gall ink in some of the documents. CCI has developed tools for monitoring parchment condition and is investigating the behaviour of iron-gall ink.

Audubon Project

The treatment of *Birds of America*, Volume IV by John James Audubon from the Legislative Library of New Brunswick was completed. The volume, containing 108 plates and a title page, was treated and re-bound into four new volumes. The project took thousands of hours and involved the expertise of numerous paper and book conservators.





This workshop was very relevant to my work and helpful for my practice. – Environmental Agents Workshop participant

Dissemination of knowledge

Training

Two international workshops were offered to participants from the Americas, Europe, Australia, and Asia.

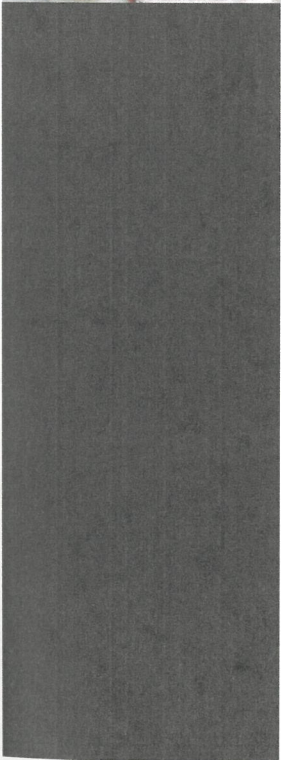
- *Adhesives for Paleontology Collections*, a collaborative effort with Parks Canada, combined scientific presentations with practical sessions and was attended by 36 professionals.
- *Reducing Risks to Collections*, organized in partnership with ICCROM (International Centre for the Study of the Preservation and Restoration of Cultural Property) and the Netherlands Institute for Cultural Heritage (ICN), enabled 21 professionals to upgrade their knowledge and practice in assessing and managing conservation risks.



Seventeen Canadian workshops were presented to 269 participants from eight provinces and territories. French-language workshops were offered in collaboration with the Centre de conservation du Québec. A new workshop, *Preservation Housekeeping in Historic House Museums*, was added to the series of workshops regularly offered to the Canadian heritage community.

It was great to have so many opportunities to apply information to objects in a collection. – Industrial Objects Workshop participant

Thank you! This was an excellent workshop and should be taken by all museum professionals! – Heritage Facility Planning Workshop participant



External Publications

Nine articles written by 14 CCI staff members (identified in bold below) were published in scientific journals and magazines:

Binnie, Nancy E. "Site to Shelf: Conservation Plan for a Historic Aircraft." *Altitude* 32, 4 (Winter 2006), pp. 9, 12–13.

Corbeil, Marie-Claude, Kate Helwig, and Jennifer Poulin. "Une étude scientifique de la technique picturale de Jean-Paul Riopelle." *Technè* 24 (2006), pp. 47–52.

Down, Jane L., and Elzbieta Kaminska. "A Preliminary Study of the Degradation of Cyanoacrylate Adhesives in the Presence and Absence of Fossil Material." *Journal of Vertebrate Paleontology* 26, 3 (September 2006), pp. 519–525.

Down, Jane L., R. Scott Williams, Season Tse, and Sherry Guild. "The CCI Tapes and Heat-set Tissues Project." *PapierRestaurierung* 7, 1 (2006), pp. 13–17.

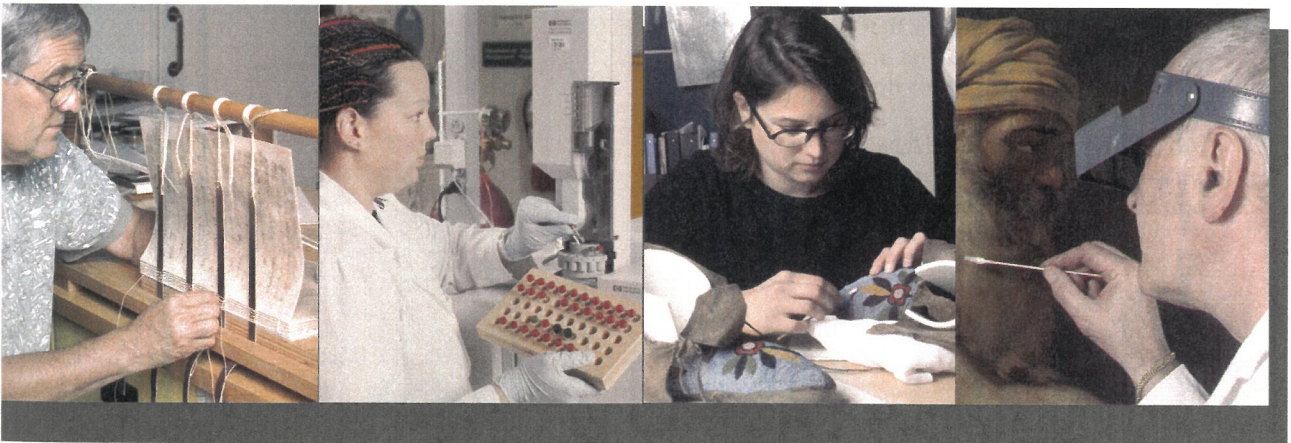
Grattan, David, Malcolm Bilz, Tara Grant, and Judith Logan. "Outcome Determines Treatment — An Approach to the Treatment of Waterlogged Wood." *Journal of Wetland Archaeology* 6 (2006), pp. 49–63.

Naud, Colette, Élisabeth Forest, **Marie-Claude Corbeil,** and Laurier Lacroix. "La Fondation du patrimoine religieux du Québec et la restauration des peintures." *Conservation-restauration des biens culturels* 24 (2006), pp. 43–50.

Selwyn, Lyndsie, and Vasilike Argyropoulos. "Chlorine Determination in Archaeological Wrought Iron by Instrumental Neutron Activation Analysis." *Journal of the Canadian Association for Conservation (CAC)* 31 (2006), pp. 3–12.

Selwyn, Lyndsie, and W. Ross McKinnon. "Removing Charged Species from Porous Archaeological Material: Diffusion, Electromigration, Electrophoresis and Electro-osmosis in Fully Immersed Objects." *Reviews in Conservation* 7 (2006), pp. 83–93.

Strang, Tom, and Rika Kigawa. "Levels of IPM Control: Matching Conditions to Performance and Effort." *Collection Forum* 21 (Fall 2006), pp. 96–116.



Corporate Initiatives Completed in 2006-2007



Improved service delivery: A comprehensive services framework, including eligible client categories, new assessment criteria for service requests, a new revenue generation policy, and an updated fee schedule, was developed.

Service standards: Quality standards were developed for all CCI services to allow for systematic evaluation of CCI's performance.

e-Services: A free interactive portal on the CCI Web site, e-Services allows CCI clients to submit service requests and track their status, history, and progress online.

Building: Renovations to the labs and ventilation systems continued; the final phase of renovations, which will make CCI's building accessible to disabled people, began.

Communication with clients: CCI staff participated (e.g. gave presentations, workshops, etc.) in more than 35 provincial, national, and international events assembling specialists and volunteers from the heritage community, and promoted CCI's many products and services by setting up a display booth at eight events.

Human resources: Staff were hired to complete the management team and add new expertise in the area of photograph conservation and restoration.

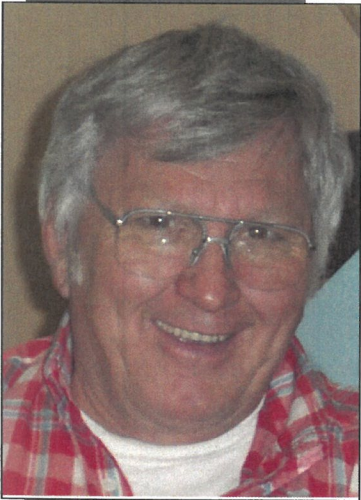
CCI staff bibliography: All publications written by CCI staff were inventoried and entered in a research database. More than 1600 entries were indexed and will be added to the CCI Web site in 2007-2008.



Appreciation Awards



Dr. David Grattan, Manager of the Conservation Research Division at CCI, received the 2007 ICOM (International Council of Museums) Canada International Achievement Award for his exceptional contribution to science and his devotion to sharing his knowledge and expertise with the international community.



George Ettinger, Art Handler for Exhibit Transportation Services since 1978, received an Award of Distinguished Service from the Canadian Museums Association in recognition of the excellence and leadership he has shown throughout his 30-year career.

Financial Statement for 2006-2007

Revenues		
Appropriation		8,565,169
Treasury Board transfer for CCI's renovations		1,051,147
Vote-netted revenue ¹		1,905,000
Total – Operating budget		11,521,316
Earned revenues		
Publications and special products	95,371	
Scientific and conservation services	243,829	
Exhibit Transportation Services (ETS) ²	878,043	
Total – Earned revenues		1,217,243
Total – Operating budget and earned revenues		12,738,559
Expenditures		
Salaries and wages		6,180,128
Operating costs – CCI ³	2,572,266	
Construction – CCI renovations ⁴	1,149,286	
Operating costs – ETS	890,607	
Total – Operating costs		4,612,159
Total – Expenditures		10,792,287
Refund – Vote-netted revenue		1,905,000
Total expenditures and refund of vote-netted revenue		12,697,287
Balance		41,272

1. Vote-netted revenue is a financial procedure enabling the Government of Canada to provide an amount in relation to anticipated revenues.
2. The financial statement includes an item relating to Exhibit Transportation Services.
3. Operating costs include the following expenditures: transportation and communication (telephone, mail, travel to museums and sites, participation in conferences, business trips for professional associations, travel for training and emergency services), information (printing, publication, advertising), leases, maintenance and repairs, equipment, supplies and materials, professional services (including contract work, consultation and professional advice).
4. Renovation work was funded by the Department of Canadian Heritage.