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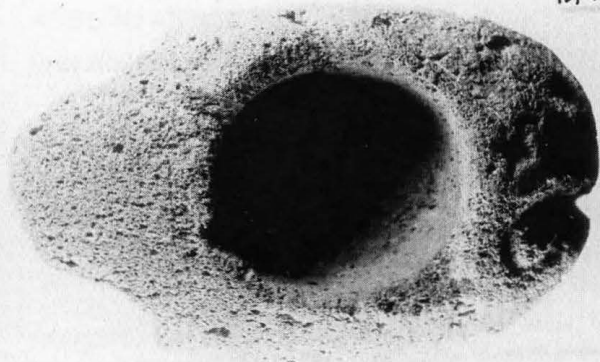
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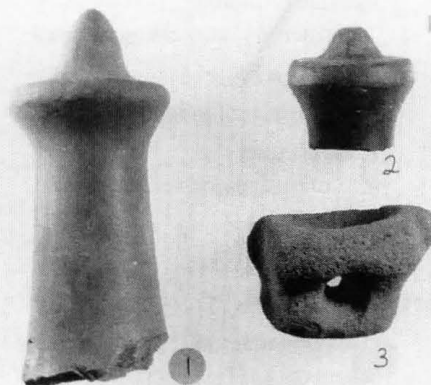
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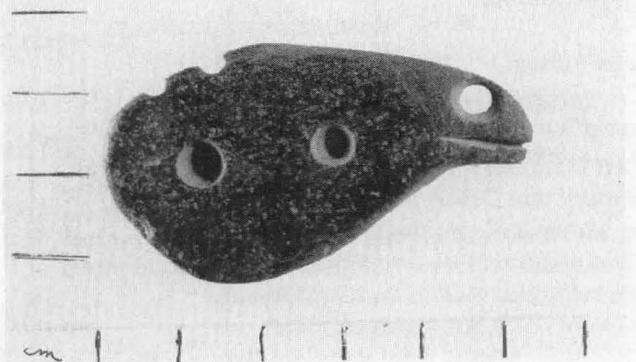
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THE ASBC PRIVATE COLLECTIONS PROJECT

COMPLETING 40 YEARS OF THE ASBC/THE MIDDEN

AN INTERVIEW WITH GRANT KEDDIE

INDEX TO VOLUMES 37 TO 40, 2005- 2008



THE MIDDEN

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ARCHAEOLOGICAL SOCIETY OF BRITISH COLUMBIA

Dedicated to the protection of archaeological resources
and the spread of archaeological knowledge.

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ARCHAEOLOGICAL SOCIETY OF BRITISH COLUMBIA meetings in Vancouver featuring illustrated lectures are now generally held on the second Thursday of each month from September to June at 7:30 P.M. at the Vancouver Museum, 1100 Chestnut Street, Vancouver, BC. Details on lectures are often listed on the *Conferences & Events* page (back cover). New members and visitors are welcome. Admission is free.



THE MIDDEN

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THE MIDDEN Subscriptions

Subscriptions to **THE MIDDEN** are included with ASBC memberships. For non-members in Canada subscriptions are available at \$16 per year — \$25 for addresses in North America and \$35 overseas.

Single copies of most previous issues are available for \$5.00 each, plus postage.

Subscription forms and membership application forms are available on our website (<http://asbc.bc.ca>).

Cover

Photographs from the ASBC Private Collections Project..



The ASBC Pages

Outgoing Letter from the President

This year marks the completion of forty years of publication of *The Midden*. This milestone is a fantastic accomplishment for the Archaeological Society of British Columbia and all of the past and present editors, who have finessed each copy for printing, in addition to the myriad contributors, who have been informing us about archaeology in the province for four decades. *The Midden* is an institution in the province's archaeology, creating a forum where avocational and professional archaeologists present and discuss important finds, conferences and events, and the wider context of doing archaeology in British Columbia. The articles in this issue will attest to the important contribution that the ASBC has made to BC's archaeology, but I wanted to add a small personal note. My introduction to the ASBC and *The Midden* happened during my university career, and over the years I have enjoyed *The Midden* for its local archaeology reports, field school updates, book reviews, and of course, the permit list. *The Midden* was a great tool for me during my academic career, and later on, in the job search. Today, I enjoy seeing what my colleagues across the province are working on in *The Midden*, and I always recommend it to newcomers as a primer for the issues, findings, and events in BC archaeology.

The following is a recap of the current issues on the ASBC executive's plate. We've had a fantastic line-up of speakers this winter and spring who have showcased the depth and diversity of archaeology in BC. Brian Pegg spoke about the Saltery Bay site in January, Daryl Fedje informed us about Parks Canada's coastal archaeology program in March, Tanja Hoffmann presented Katzie Development Corporation—Archaeology's work on the

impressive DhRp-52 site in Pitt Meadows. In April, Duncan McLaren informed us about the archaeology of Stave Lake and finally Colin Grier spoke of his work in the Southern Gulf Islands on June 4th. Our Annual General Meeting was held on June 25th, and we have a new executive! (see page 3).

Our letter writing campaign to request action on National Heritage Legislation has continued. We've recently sent letters to the Prime Minister and Official Opposition. We haven't had a response to date, but will keep pressing the matter. This year's National Heritage Week was observed February 16th - 22nd, with the theme being Heritage of Education: schools, colleges and universities. While I find this a laudable pursuit, it would nevertheless be incredible to see First Nations Archaeology as a provincially endorsed theme.

In regards to heritage, we have been in contact with the Canadian Archaeological Association's Public Education and Outreach Committee (CAAPEOC) and have been discussing ways in which the CAA and avocational societies such as the ASBC can connect and work together to promote Canada's archaeological heritage and learn about and from each other. We agree that one possible way to increase communication and cooperation between societies and regions is through the venue of the CAA website.

The ASBC is currently working on a variety of prospective field projects that would generate volunteer and public outreach opportunities. First, we are working to organize a survey of a historic site (and possibly prehistoric site) at Tunstall Bay on Bowen Island in cooperation with the Bowen Island Museum. While still in the early planning stages, we hope that

this project will happen sometime in the coming summer. Second, preliminary discussions have also occurred regarding a survey of the Granite Creek Cemetery in the BC Interior near Coalmont in the summer of 2010. This would involve a survey using ground penetrating radar, under the expertise of archaeologists from the University of British Columbia. The cemetery is from the Gold Rush era of the late 19th century. Locals have requested the survey so that the boundaries of the cemetery may be delineated and thus not damaged inadvertently.

I am also happy to announce that the ASBC has been awarded the BC Direct Access Grant through the BC Gaming Policy Branch. This grant is in the amount of \$10,000.00 and will be put towards *The Midden*, capital expenses, promotion of the ASBC and the ASBC website. Many thanks to Past-President Eric MacLay and the 2008 Executive for all their hard work in applying for and winning this grant.

I hope everyone has a safe, productive and fun-filled field season this summer. We will keep you posted on volunteer and public outreach opportunities through the ASBC this summer. Please be sure to check out our new website for more information as it becomes available.

Sincerely,

Ian Cameron,
Outgoing President

NEW EXECUTIVE FOR THE ASBC

Dear ASBC members,

Thank you for your support, we reached quorum at the Annual General Meeting and had a successful meeting.

I'd like to welcome the new executive as the outgoing President:

President - Rudy Reimer
Vice-President - Craig Rust
Treasurer - Jim Pound
Recording Secretary - Alex Maass
Membership Secretary - Erin Hannon
Midden Representative - Marina LaSalle

The next year should be a great one for the ASBC and I look forward to helping out.

Thanks!

Ian

LETTERS TO THE EDITOR

Dear Mr. Angelbeck;

Re. Eric McLay's article in *The Midden*, Vol. 40, No. 4 - 2008: "Welcoming First Nations to the ASBC".

I agree strongly with Mr. McLay's case for adding the subject clause to the Constitution.

The pursuit of Archeology should be a win/win/win for the First Nations, Archaeologists and General Population of BC. For each of these elements to optimize the value it receives from the study of BC's past absolutely requires a collaborative, respectful relationship with the other two.

First Nations need to be welcomed into this undertaking both for their gain and for the benefit of all of us "others". We have so much to learn from each other. Adding the "welcoming statement" as worded to the ASBC Constitution, or something very similar in meaning and spirit, is a necessary and timely action that will signal that ASBC is ready to do its part to build a productive, respectful relationship with lasting value for both parties.

Yours sincerely,
Mike Stacey
Member, ASBC Victoria Branch

Dear Editor Bill:

Can it really be 40 years since I laboriously typed on my manual Underwood the words,

NEWSLETTER
of the
ARCHAEOLOGICAL SOCIETY OF B.C.

Vol.1, No.1

November, 1968

But I guess it really is so.

So, are you celebrating????

Who would think that that little 6-page rag, run off on a Gestetner machine (which you've probably only ever seen in a museum!), would have lasted this long?

(Who would have thought that WE would have lasted this long?)

The A.S.B.C. had a fine and adventurous Board in those days, led by Ron Sutherland and V-P Bill Lane. It included Sheila Neville, Val Wilson, Ken Campbell, Alex Ennenberg, Stephanie Bowes, Harold Cliffe, Hilary Stewart, Art Davies and Gladys Groves. The society was only two years old at that point, having emerged out of an extension class given by Dr. Roy Carlson in the summer of '66. And the professionals continued to be hugely supportive: That first issue opened with an SFU summer report by Dr. Carlson, and included notice of upcoming lectures by Dr. Malcolm McGregor, Dr. Hanna Kassis, Wilson Duff, and Dr. Carl Borden: We were blessed: Such names to conjure with!

Ten issues later, the *Newsletter* had grown to a dozen pages per issue, five times per year—and it was time for a name change. Many names were considered. I wonder if it would have survived if it had been baptized *Strata Data*, or *Detritus*, as some suggested. Or *Want Adze*.... The editor celebrated the new name with "an occasional and unofficial editorial," called "The Barbed Point." And in that first column, he (I) noted the importance of middens to BC history, predicting establishment one day of a Marpole Museum of Man, or an Alberni Anthropological Museum, or the City of Whonnock Diorama of History. (Hope you weren't holding your breath!)

Subsequent issues benefitted hugely from Hilary Stewart's meticulous drawings. Sixty pages a year soon adds up, and by December 1974 *The Midden* published its first cumulative index—an epic 42 pages, compiled by librarian Sharon Russell!

And the rest is history? How many *Middens*? How many pages?

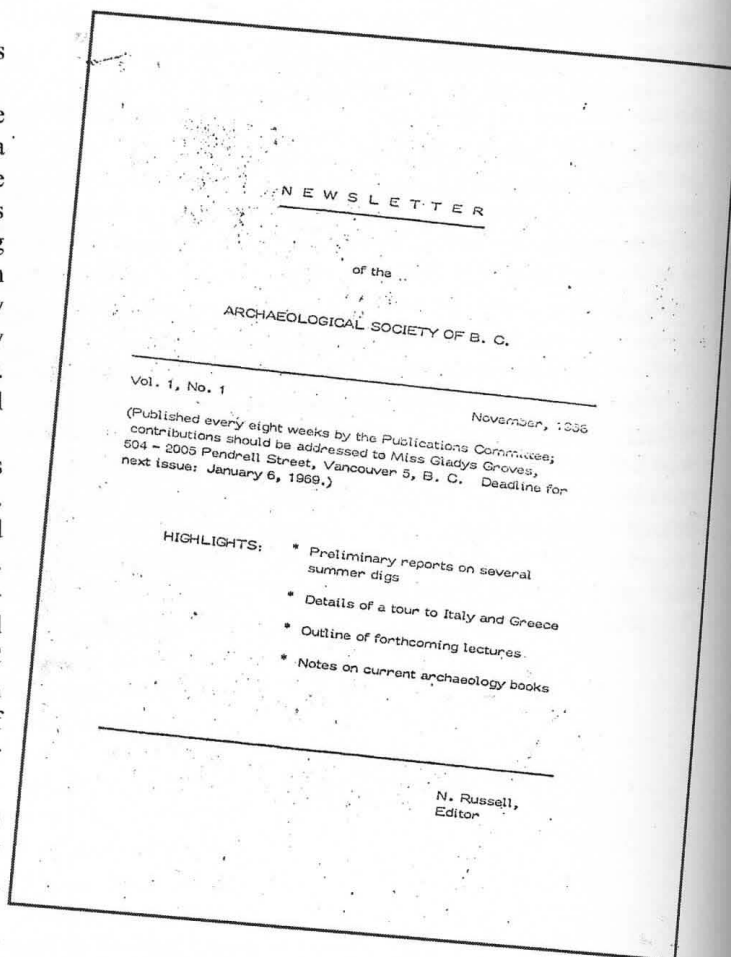
So that's how it all began. When's the party?

When the ArchSoc marked its 40th anniversary in 2006, the president kindly called me, and promised me an ASBC T-shirt. I'm still waiting for that, too!

Cheers, Nick

Nick Russell, PhD
Victoria

Nick Russell holds the record for editorship of *The Midden* at eight years, since its founding as a newsletter in 1966 through 1983. He has recently co-edited the book, *Victoria Underfoot: Excavating a City's Secret* (with Brenda Clark and Nicole Kilburn, Harbour Publishing).



Archaeology News

JAPAN-NORTHWEST COAST WET SITE EXCHANGE

Dale Croes and Amy Homan,
with contributions from Jason Channel,
Eva Marie Fuschillo, Kathleen Hawes, and Olivia Ness

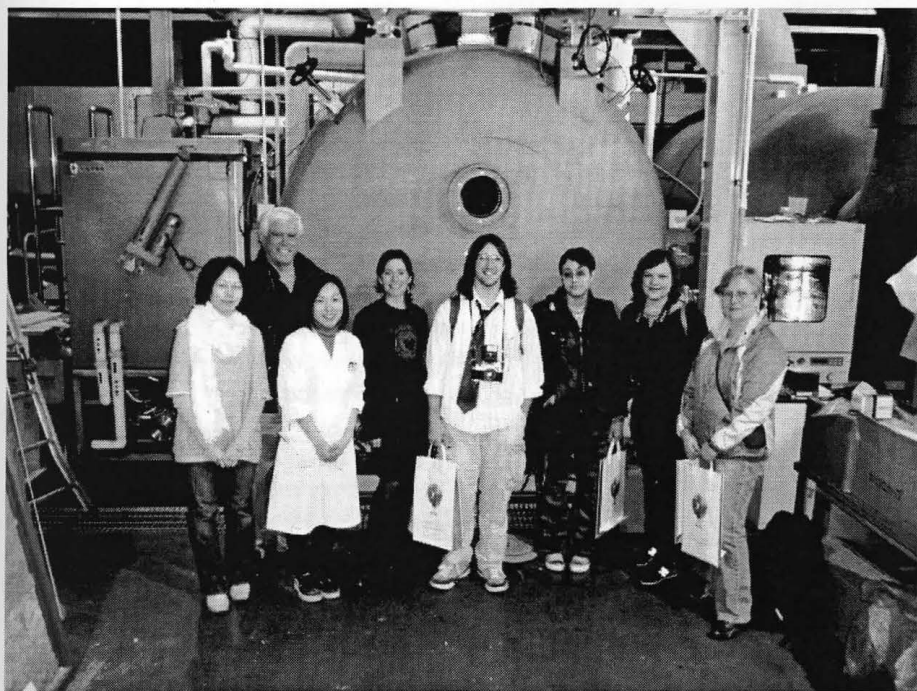


Figure 1. Group photo in front of walk-in freeze dryer used to finish conservation of waterlogged wood and fiber artifacts at the Nara National Research Institute for Cultural Properties.

Wet site preservation of basketry and acorn pits on both sides of the Pacific Rim has recently expanded a mutual interest and exchange between Japanese and Northwest Coast Archaeologists. When Dr. Dale Croes' South Puget Sound Community College (SPSCC) and Dr. John Fagan's Archeological Investigation Northwest (AINW) crews found numerous acorn leaching pits, some with baskets in them, at the Sunken Village Wet Site (35MU4) on Sauvie Island, Portland Oregon in 2006 (reported earlier in *The Midden* 40[1]), Dr. Croes emailed pictures to wet site archaeologist and Wetland Archaeology Research Project

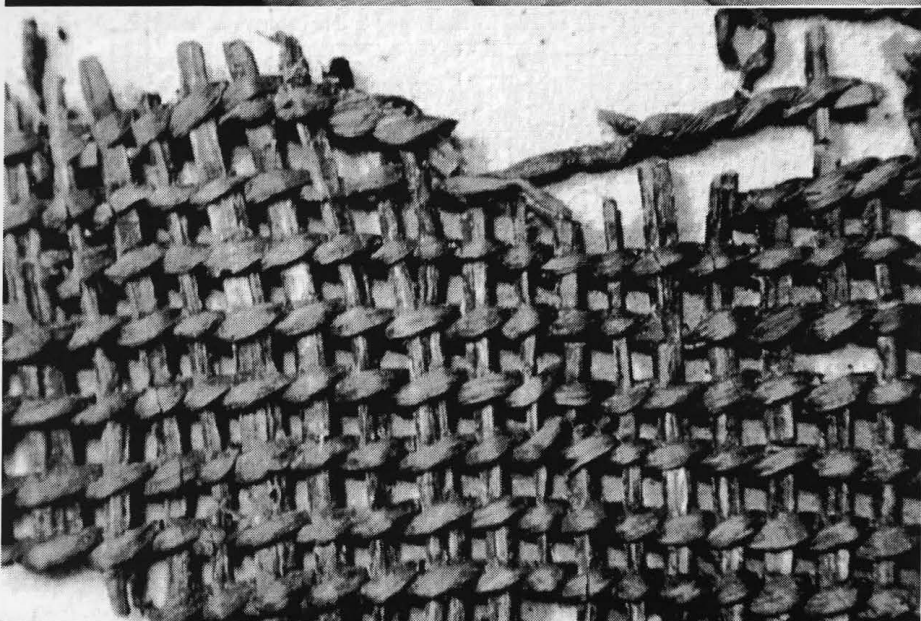
(WARP) Pacific Representative Dr. Akira Matsui, Director, Center for Archaeological Operations, Nara National Research Institute for Cultural Properties, National Institutes for Cultural Heritage. Dr. Matsui had been helping direct the excavation of a 7000+ BP Higashimyo Jomon wet site on the southern Japanese island of Kyushu that revealed hundreds of acorn storage pits often containing preserved baskets. He offered to assist and sponsor further investigations of Sunken Village with SPSCC and AINW through an international grant, bringing 4 colleagues to help with a detailed mapping of over a hundred acorn leaching pits in the fall of 2007.

The Sunken Village research synthesis is now reported in the *Journal of Wetland Archaeology* (JWA) as special volume 9 (Croes, Fagan and Zehendner 2009).

To expand exchanges and visits to wet site collections and sites on both sides of the Pacific, mutual visits occurred in the Spring of 2009 by Japanese archaeologists to Northwest Coast museums and collections in Washington and Canada, followed with visits by American and Canadian researchers to museums, collections and wet sites in Japan.

In late February and early March 2009 Dr. Akira Matsui and two researchers, Dr. Naoto Yamamoto, Professor, Department of Archaeology, Graduate School of Letters, Nagoya University and Dr. Tomonori Kanno, Tohoku University Archaeologist joined Dr. Croes to visit Northwest museums and research sites with an emphasis on wet site basketry and Northwest Coast harpoons. They were hosted by (1) the University of Washington Burke Museum (thanks to Megan Noble; and met with Adam Rosabaugh concerning his MA Thesis research on Northwest Coast harpoons at Western Washington University, (2) the Royal British Columbia Museum (thanks to Grant Keddle; Figure 7), (3) University of Victoria Zooarchaeology Laboratory (thanks to Rebecca Wigen), (4) Simon Fraser University Museum of Archaeology and Ethnology (thanks to Barbara Winter), and (5) the Katzie First Nation archaeology laboratory in Pitt Meadows to see their wet site artifacts and macroflora, especially ancient wapato, recently recovered from archaeological site DhRp 52 (thanks to Amy Homan and Katzie First Nation).

In late March and early April 2009 the SPSCC Anthropology Club students and researchers, after two years of fund raising, joined by researcher Amy Homan from S.F.U. and Katzie Development Corporation, traveled on exchange to Japan.



Dale Croes and student researchers flew together to Osaka. Amy flew on her own to Tokyo, Narita airport straight from the Vancouver International Airport. Traveling alone, her journey was a bit more challenging and scary, especially when she had to find her way through the Shinjigawa Station in Tokyo, Japan's largest rail station, without understanding a word of Japanese. (The four students traveling with Dale Croes [who also knew no Japanese] taken all had Japanese language classes). Amy only got on the wrong train once, but luckily it was heading to Nara!

From March 26-28, 2009, Kathleen Hawes, Olivia Ness, Jason Channel, Eva Marie Fuschillo, Amy Homan and Dale Croes were hosted by Dr. Akira Matsui at the Nara National Research Institute for Cultural Properties, National Institutes for Cultural Heritage, where they toured their well-equipped wet site laboratories, that included huge stainless steel heated polyethylene glycol tanks and a freeze dryer that you could literally walk into (Figure 1). This large research laboratory also specialized in state-of-the-art dendrochronology research, chemical element analysis, radiography—x-ray digital film, 3-D imagery analysis, and other archaeological analyses. Dr. Takayuki Okochi gave us an eye-opening demonstration of his non-intrusive, non-destructive laser beam equipment for recording and digitally imaging tree rings inside an object—a technique he helped design. We also visited many museums and temples in the area.

On March 29th we traveled over the Japanese Alps to the Sea of Japan, Kanazawa City by bullet train, where we were hosted by Dr. Naoto Yamamoto, Professor, Department of Archaeology, Graduate School of Letters, Nagoya University. Our first visit was the Kanazawa Archaeology Center where we recorded 3-4,000 BP Jomon basketry and an

Figure 2. Approximately 3,000 year old Jomon cherry bark child's shoe at the Kanazawa Archaeology Center.

Figure 3. Common 3-4,000 BP Jomon open twined basketry from the Sakuramachi Site.

Figure 4. 3-4,000 BP Jomon red lacquerware comb from the Sakuramachi Site

amazing child's cherry bark shoe (Figure 2). We visited Jomon Wood Circle reconstructions, a wooden version of a Stone Henge-like calendar structure, and saw the actual wooden post remains at the Shinpohommachi Archaeological Storage Facility. We then rode a bus to the White Mountain Folklore Museum, where we saw numerous diamond plaited mats, a bag, and frame looms for making diamond-plaited mats. This was of interest to us since a distinct diamond-plaited soft-bag was found in 2007 at the Sunken Village site. This kind of diamond plaited soft weave on two-strand string warps has been recorded for up to 9000 years in caves in the Great Basin through to examples in Klamath, Puget Sound Salish and Bella Coola museum collections, and for 3-4 millennia in Japanese wet sites (see Croes, Fagan and Zehendner 2009 for discussions of this potential cultural sharing of basketry techniques across the Pacific).

The next day we drove by bus outside of Kanazawa to the impressive Sakuramachi Site Jomon Park excavated material exhibition and storage facility. This 3-4,000 BP Jomon wet site has an impressive array of basketry, mostly open twined and twill plaited work, as well as red lacquerware combs and wooden bowls. This project resulted from rescue archaeology during road construction (Figures 3-4).

On April 1st we went to the rail depot for a long train ride through Osaka to Saga on Kyushu Island, southern Japan. We passed through Hiroshima City; viewing this beautiful city that had experienced the first atomic bomb during WWII, which was sobering. We arrived in Saga City in southern Japan and took cabs to visit the location of the Higashimyo Jomon wet site rescue excavation. The site is greater than 7,000 years BP and the area is now filled by a large reservoir. Over 700 baskets and basketry fragments as well as many wooden artifacts were found in acorn stor-

Figure 5. 7,000 BP acorn storage basket from the Higashimyo Jomon wet site. Note acorns around basket and also the decorative color contrast around the rim. Scale in cm.

Figure 6. Examples of decorative basket weave of twill (left) and combination twined and checker plaiting from the 7,000 year BP Higashimyo Jomon wet site.



age pits in this large shell midden site.

The next morning we visited the Higashimyo research and processing laboratory located in a converted middle school facility. We were amazed by the size and number of recovered large acorn baskets that had been used to pack acorns in numerous acorn storage pits; evidently the acorns were placed in basket loads into the ancient pits. When the acorns were recovered in ancient times, many of the baskets were too soggy to reuse and left in the pits. The 7,000 BP baskets were in very fragile condition and removed on a pedestal of soil after being injected with and encased in hardened foam, to be opened and cleaned in the laboratory, then sent to conservation where they were hardened on the matrix to stabilize them (Figures 5-6). Many associated wooden artifacts included combs and bowls, as well as dot-incised bone artifacts and Jomon pottery. Certainly it is one of the most spectacular Jomon wet sites in Japan and the world, and we were fortunate to see and photographically record this huge perishable artifact collection.

On April 3rd, we returned to the Nara Research Center. We prepared to present a half-day mini-conference the next day on our Sunken Village and Katzie First Nation's wapato site research. The presentations were held in the Nara Research Center Conference Room for their research staff and Kyoto University students. We presented each of our half-hour PowerPoint talks which were then summarized by a Nara researcher into Japanese following each talk. All papers were enthusiastically discussed and well received, providing an excellent format for exchange. At 4:30 pm we all went to the lobby where the students had prepared a wonderful dinner party (it was pouring rain out so we decided to stay at the Center). We celebrated a great visit and exchange as a perfect conclusion for our visit. Dr. Matsui told us that we were the first foreigners invited to visit these Japanese wet site sites and collections, and we hope these kinds of wet site exchanges and team efforts can continue across the Pacific.

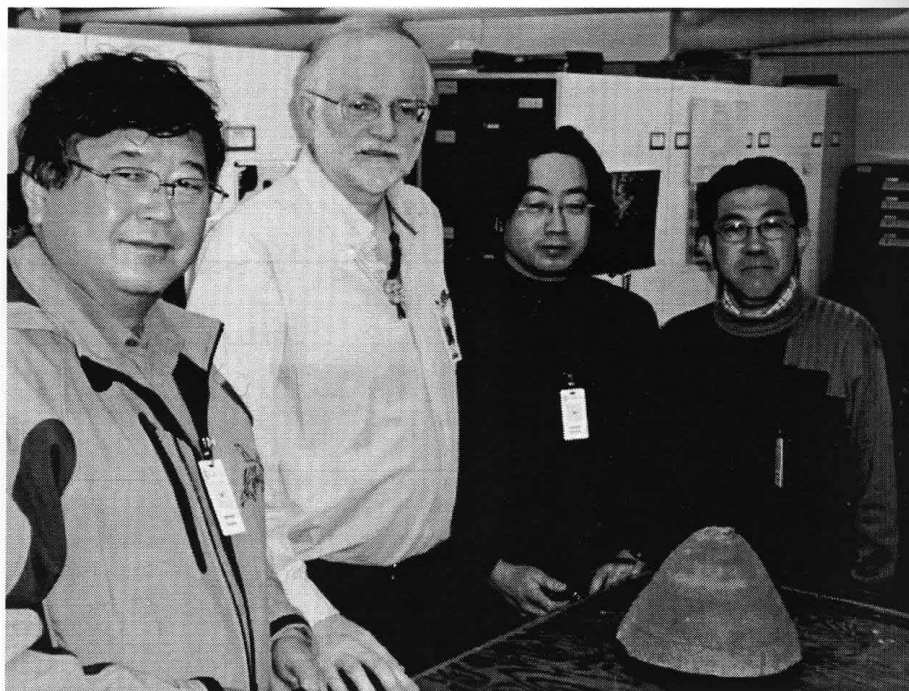


Figure 7. Japanese wet site archaeologists visiting Royal British Columbia Museum through the kind generosity of Grant Keddie, Curator of Archaeology. From left to right, Dr. Akira Matsui, Grant Keddie, Dr. Tomonori Kanno and Dr. Naoto Yamamoto. We are observing the ancient Katete River basketry hat found in Tlingit territory.

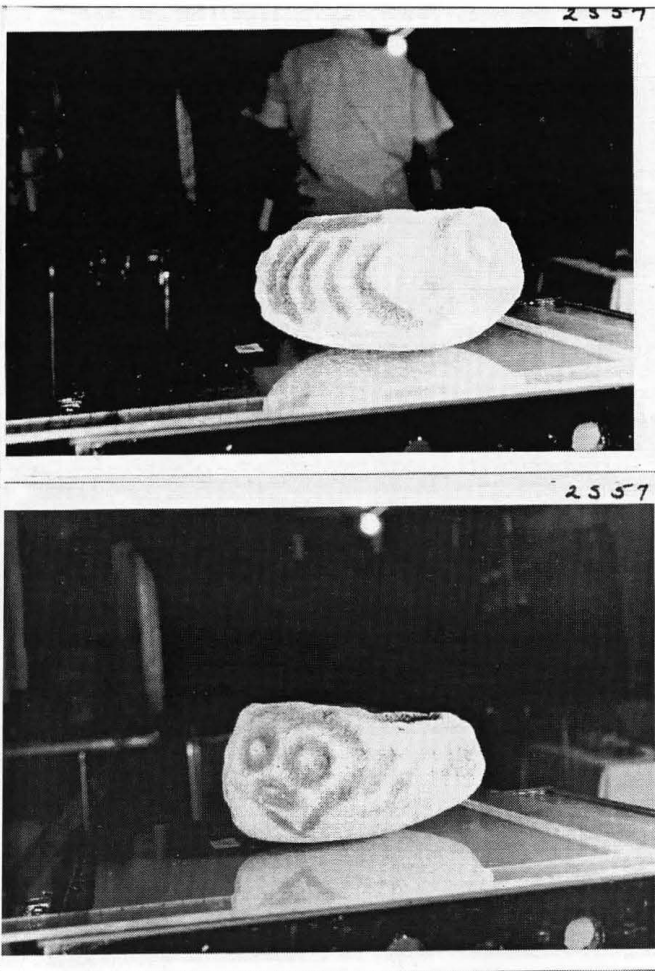
Reference

- Croes, Dale R., John L. Fagan and Maureen Newman Zehendner
2009 Sunken Village, Sauvie Island, Oregon, USA, A Report on the 2006-2007 Investigations of National Historic Landmark Site 35MU4. *Journal of Wetland Archaeology* Special Edition 9. (web site for ordering: <http://www.oxbowbooks.com/bookinfo.cfm/ID/86051/Location/DBBC>)

Dale Croes is a regular contributor from South Puget Sound Community College (SPSCC) and Washington State University

Amy Homan is with the Katzie Development Corporation and Simon Fraser University

Contributions from Jason Channel (SPSCC), Eva Marie Fuschillo (SPSCC & TESC), Kathleen Hawes (TESC), and Olivia Ness (TESC)



The ASBC Private Collections Project A Resource for Research

Bill Angelbeck

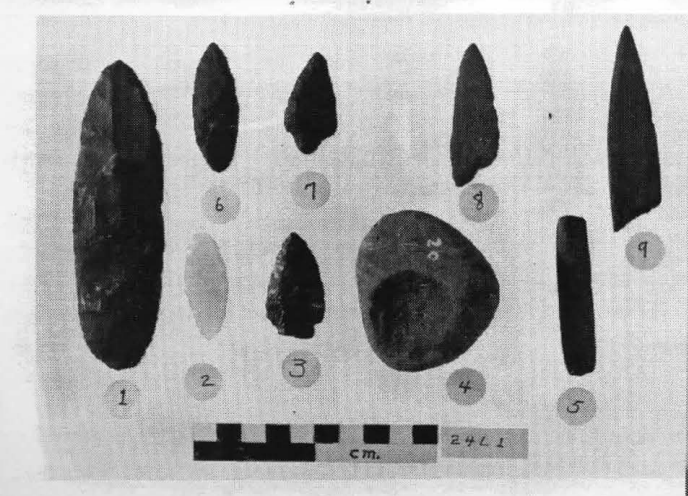
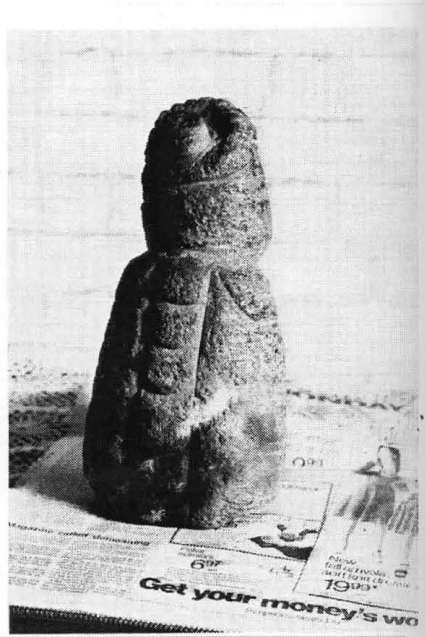
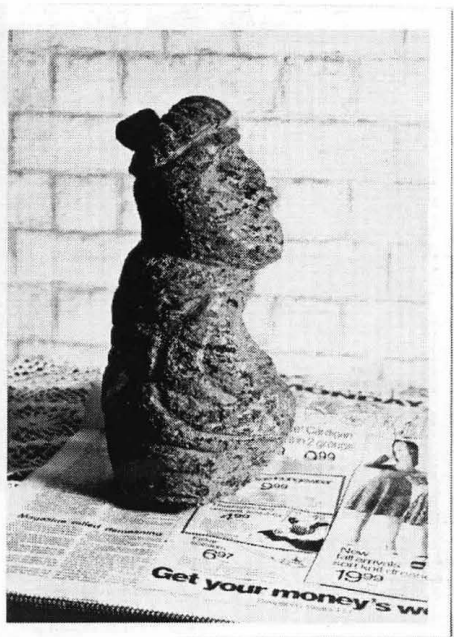
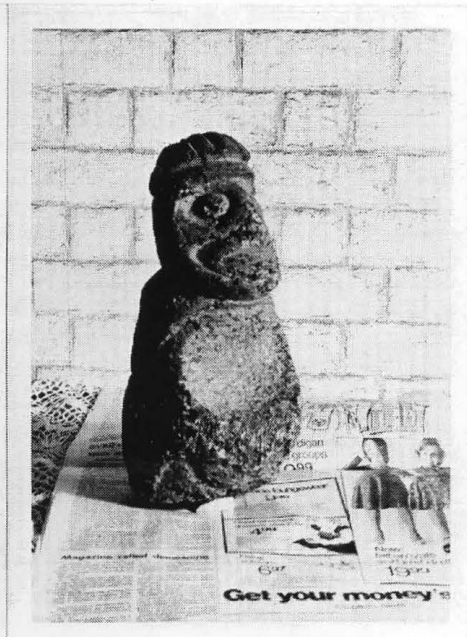
One of the notable accomplishments of the ASBC has been its extensive efforts in documenting of private artifact collections. The project got started in 1972, and volunteers in different parts of the province photographed and measured artifacts from over 200 collections. The result is an inventory that includes an astonishing array of items, from projectile points to stone bowls. Over the years, we have reported in *The Midden* about the status of the project. In this issue, we showcase photographs that derive from those labours. These sample images are a testament to the quality of the work those volunteers conducted. More to the point, we hope to show that this huge inventory is another valuable resource for researchers.

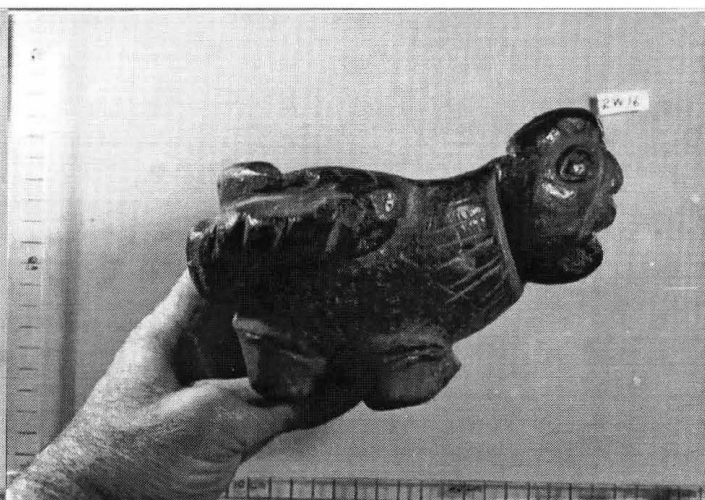
The amount of volunteer time put into this project is astonishing. The idea was first put forth by ASBC members Brian and Isabel Byrnes back in 1969. The objective was simply to make more publicly available the broad array of artifacts from the region held in individual hands. It should be stressed that the position of the ASBC is to oppose the collecting of artifacts, except under conditions by permit from the province or First Nations (Ormerod

2003). The ASBC also opposes the sale of artifacts, not wishing to encourage dollar values for artifacts. However, the ASBC also has long held "artifact identification" nights to encourage the showing of artifacts already privately held. Those nights also served as opportunities to educate the public about heritage protection, provincial laws, artifact context, and the integrity of sites (e.g., ASBC 2003).

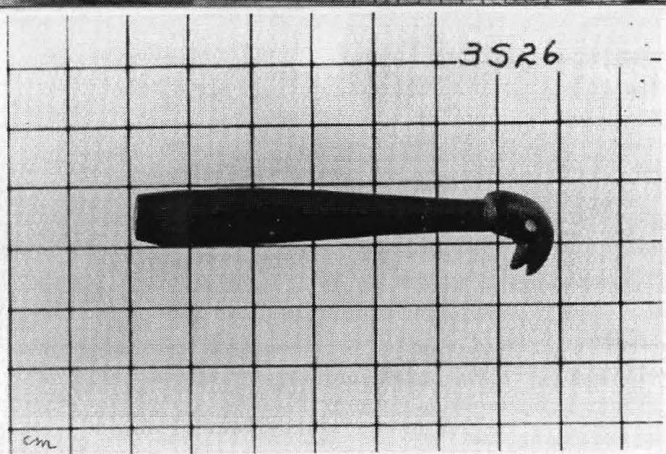
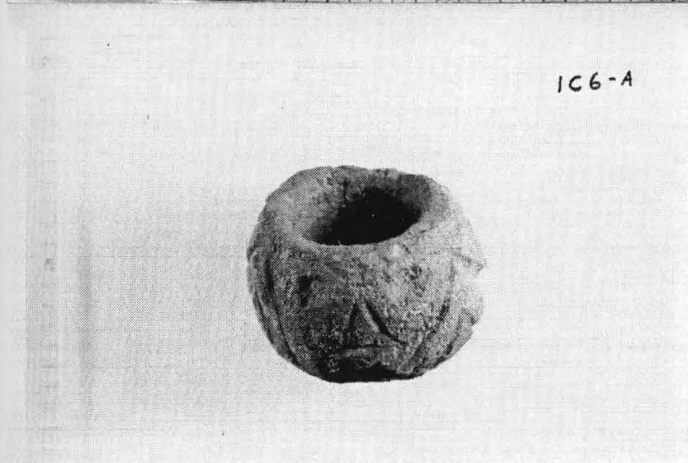
The Private Collections Project offered another avenue for educating collectors. Moreover, the inventory served to make these private collections a contribution to regional research, making these pieces more publicly accessible. As Fred and Helmi Braches (1996:7) noted, this "plainly seemed a task for the ASBC, operating as a link between the general public and professionals."

To document a collection, volunteers would bring light tables and set the artifacts on a glass plate, with a label for artifact identification. The material type was recorded, condition of the artifacts, and its provenience (if known). By 1976, twenty collections had been documented (Russell 1976), and within

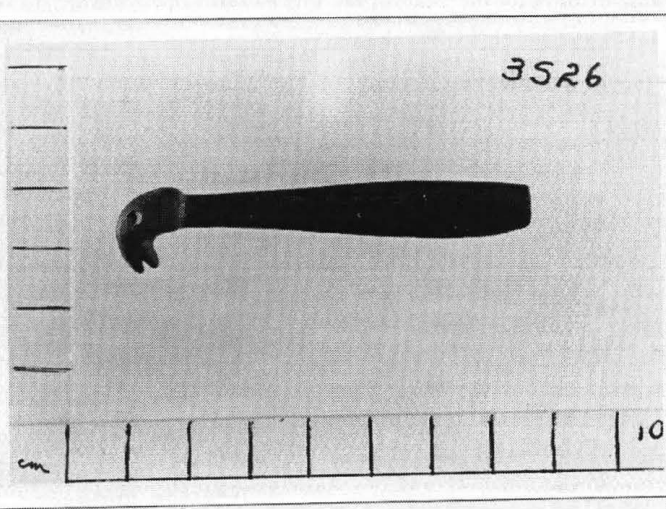




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a couple years the number of collections included had tripled, including 679 photographs of 7,660 artifacts. When Don Bunyan (1978) reported on the progress of the collection before the Canada Council (they had provided a grant to support the work), he remarked that the collection was already being used in research projects. In 1980, the number of collections reached 100, including over 10,000 artifacts documented, with "several teams" operating in the province from Vancouver Island to the Interior (Russell 1980). By 1987, the number of collections recorded had doubled once again (Adory 1987). The last report on the project put the total number of artifacts in the inventory at 11,564 (Braches and

Braches 1996:8).

The system used to document the inventory unfortunately is not up to contemporary database standards by any means; as Don Bunyan (n.d.) noted years ago, it was an "already antiquated system." But, for some, it may be nostalgic or interesting to experience a key-punch card system and learn how vast amounts of information were categorized not long ago. The collection is currently at the Department of Anthropology, University of British Columbia (contact the Laboratory of Archaeology). If you access them, there is a brief manual to the collection (ASBC n.d.; page one shown). The key cards contain thirty-one punch

holes: twenty-seven mark the type of artifact from abraders to "whatzits"; and five are used for material type, from stone to other.

To search the cards for a particular category of artifact, you have to make sure to make sure a set of cards to search are aligned. Then, you stick a sorting needle through the punch hole for the artifact category of interest. Next, you have to lift the needle and shake to loosen the card stack: the cards punched for the selected category will drop from the set. At that point, for instance, you could also sort your subset once again, restricting artifact types by a certain material type. Once you have your card set, you can look up the photographs and record sheets identified on each card.

Well, I think that demonstrates a need for updating the system from key-hole punch to keyword search. It would be great to be able to search the system on the ASBC website, for instance. That, of course, requires even more volunteer effort, but it would have a significant pay-off and would actually encourage more use of this inventory. In the meantime, however, this old-school system works just fine, culling the IDs that link to the high-quality photographs and associated information.

While we have reported on the collection in *The Midden*, we haven't yet showcased the photographs. Here we feature many images of stone bowls and some striking artifacts. These include examples of small bowls with anthropomorphic or zoomorphic imagery that could be held in the palm of one's hand. There are also examples of artistic pendants or other portable artforms. There are also photographs of projectile point sets. Other photographs are provided throughout the rest of the issue, including the cover.

These photographs indicate the quality of the artifacts in the private collections, and these are pieces that otherwise would not be known. It's certainly another valuable collection to consider when doing research for any area in the province.



Brian and Isabel Byrnes, founders of the Private Collections Project, during the early days of the ASBC

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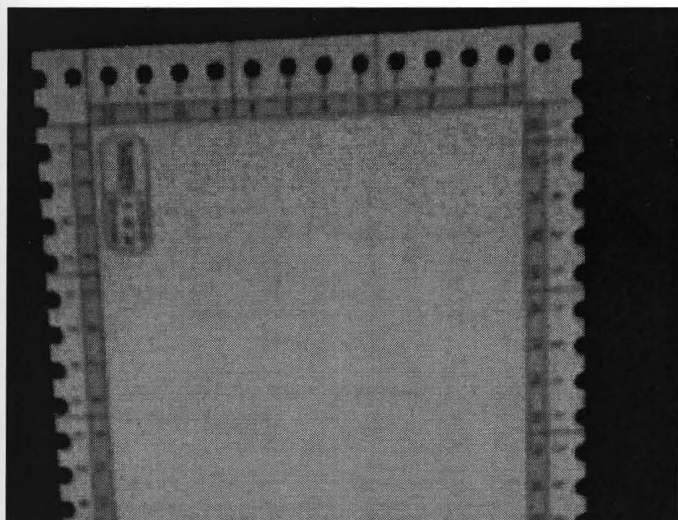
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(Opposite Page) Above Left: Detail of a key-punch card; Above Right: Card catalog, sample key-punch cards, and the hole-punch pin used to search the catalog one drawer at a time. Below: A page from the manual, showing artifact categories for the system.



HOW TO USE THE A. S. B. C. "PRIVATE COLLECTIONS" FILES

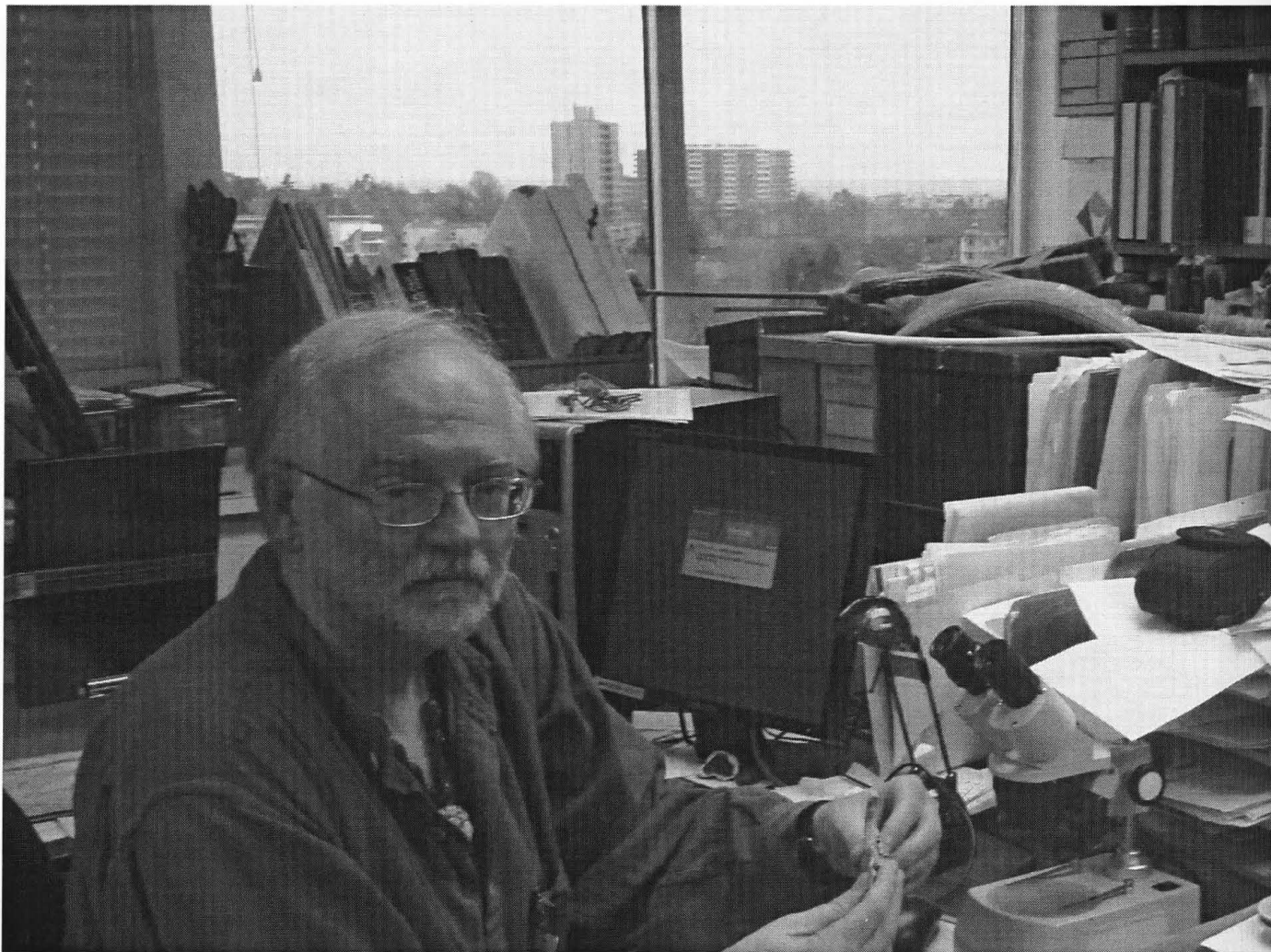
The files have four separate sections:

1. Photographic prints, $3\frac{1}{2}'' \times 5''$, in a card-file cabinet.
2. Record sheets, in a two-drawer legal-size filing cabinet.
3. Photographic negatives, in a negative album stored in the filing cabinet.
4. Key-sort retrieval cards, $3\frac{1}{4}'' \times 7\frac{1}{2}''$, in a card-file cabinet.

The retrieval cards, which are "key-sort" cards edge-punched for hand sorting, provide the access to the other sections of the files. In the punching of each card is encoded information about all the objects pictured in the related photographic print and negative and listed in the corresponding record-sheet. Once a card has been selected by the sorting process, the number-letter-number file reference written on the card shows which photograph and record-sheet it relates to.

Thirty-one punching positions are employed in the code, twenty-six for artefact categories and five for materials, as follows:

<u>Hole No.</u>	<u>Description</u>	<u>Hole No.</u>	<u>Description</u>
1	Abraders	17	Pebble tools, choppers
2	Adzes, chisels	18	Perforated, notched, grooved or circular objects, sinkers.
3	Awls, pins	19	Pestles
4	Baskets, fibres	20	Pile drivers
5	Beads, dentalium	21	Points
6	Bowls, mortars	22	Scrapers, knives, saws, shovels.
7	Burins, gravers	23	Tubular objects, tubes, pipes.
8	Carved, sculptured.	24	Wedges
8a	Cores	25	Whatzits
9	Contact material	26	MATERIAL: stone
10	Decorative, personal.	27	" bone, antler
11	Drills, perforators	28	" shell
12	Hafts	29	" wood
13	Hammers, mauls	30	" other
14	Microblades	31	Flakes. (Later entries only)
15	Misc raw materials, including ochre.		



Longtime Member Reflects on the History of the ASBC

Taking Action and Presenting Archaeological Issues to the British Columbia Public An Interview with Grant Keddie

by Adrian Sanders

The following is a transcription of part of an interview conducted on March 20th, 2009 in Grant Keddie's office at the Royal British Columbia Museum.

Adrian: Do you recall first hearing about the formation of the ASBC, and reading its publication *The Midden*?

Grant: Yes, [laughs] so when I was in high school I was one of the founding members of the Surrey Museum Historical Society and I couldn't get to the meetings in Vancouver because I lived in Surrey at the time and it was a long way to get in to the Centennial Museum [Vancouver location of the original ASBC meetings] so it wasn't until I got my first car in 1968 and of course right away I went regularly into Vancouver and went to the meetings... and I've got a complete set of *The Midden* still [laughs]. Certainly I

participated in the meetings, and went in to some of the volunteer projects at the time. There was a real mixture of people involved; some who weren't professionals in the group were very intelligent, people that were really active and gung-ho about it, so it was always five or six people who kept the machinery going over the years. You certainly had Roy Carlson starting it up and having the support of the universities all the time that was a real, real big help. . . .

I started Simon Fraser University in sixty eight so that's when I started going to meeting regularly. So obviously I participated throughout going to university.

Adrian: Would you say SFU was a hub of the society at this time?

Grant: Both UBC and Simon Fraser I would say, simply because Simon Fraser had more professors and more students, it probably played an important role in what was going on but certainly, you know, Dr. Borden who was the only person at UBC at the time who knew what was going on certainly contributed considerably with helping out with various projects. People got to volunteer when he was working at the Liquid Air site and the Marpole [site], a lot of people got to volunteer on those projects, and it is kind of unfortunate that today with the liability [with] contract archaeology there is not the opportunity for people to go out and participate in digs and that sort of thing. There really needs to be more monies made available so members of the archaeological society can, with the support of a few professionals, go out and be involved in some of these long-term projects. When there is action like that you get more and more people involved. If we had constant things going on like that in Victoria we could have a thousand volunteers from the society, there are so many active people out there that want to do something in archaeology but if you're just going to meetings where people are talking you'll lose people, especially younger people, you need to be doing active things all the time.

Adrian: Do you feel the era of the late sixties and early seventies presented a great opportunity to people such as yourself to engage the discipline of archaeology in a practical sense?

Grant: Yeah, I think certainly the Archaeological Society became a vehicle for learning about it and finding out what was going on at all universities at that time.

Adrian: Did that translate into gaining valuable work experience during your undergrad?

Grant: Mostly I started because I wanted to be an archaeologist since I was six years old. I read extensively, and if anything was going on I would go out and volunteer for a couple of days. When the Archaeological Society under Nick Russell did the Tsawwassen Bluffs site I went out there to volunteer for two days in between, between something else. I went on the first SFU field school in 1969 and then came back from that and Gay Frederick [then Gay Calvert] was working on the ... St. Mungo site next to the cannery and so I got back from that field trip [SFU field school] and went to volunteer on her project for a while. So if anything [was] going on I would go out and try and get as much experience on those various projects, but the next year I was actually working [as] a volunteer on the Liquid Air site, run by Paul Sneed who was one of Borden's doctoral students, and that led me to getting one of the first government jobs where Paul and I went out and surveyed all throughout the Interior in 1970, and because I was one of the few people with that experience I then got put in charge of one [similar project] the next year and literally every year I was doing one of these government surveys all throughout the province, and opportunities for jobs in those days, there were very, very few jobs available. The Archaeology

Branch at that time was one half-time person [laughs] then they brought on Bjorn Simonson I think part time, and then he eventually became a fulltime person, the whole discipline of archaeology was much more of an academic archaeology, and it wasn't really until the Archaeology Branch got all these formal, got more people and more formal rules and regulations regarding the act [Heritage Conservation Act (HCA)] and the regulations sort of took over, and even then it was some time before you got private contractors who became the big focus of archaeology.

Adrian: Can you describe the relationship the ASBC had during its formative period with the public?

Grant: The important thing is that it gained a lot of public support because members of the public became members of the society and they became aware of what was happening in archaeology, and they became supportive of making laws to protect it [heritage], so it is really individuals in the archaeological society, working with professionals that really got the first archaeological sites act implemented in 1960. Because they [ASBC members], being independent of the university could go to govern-

ment officials and put the pressure on I think that really played an important role. And, of course, there was two, Ardith Cooper and Della Kew, First Nations representatives on the board at the time, so that was the first time First Nations were speaking as part of that whole thing, and they could put more pressure on the government to be supportive in enabling the Act. So I would say the ASBC was crucial in getting legislation passed that supported the whole field of archaeology.

Adrian: Would you describe the ASBC having a personality, and if so, has it changed throughout its existence? Have they been community oriented or at times personified through individuals?

Grant: Yeah, and certainly you have to look at the certain branches, certainly the focus has been community oriented, but when you look at who the people are that regularly attend the meetings they are generally people who are not professional archaeologists, and they are often the backbone of keeping the thing going. It is quite often specific individuals, one or two individuals that dedicate a chunk of their time to keeping this thing going. You really begin to notice when they are not there, and how things really start to slow down, the movement kind of disappears. So we had people like Shirley Cuthbertson who actually started off at the Centennial Museum [now Vancouver Museum] developing their First Nations program, and then was the head of the Education Division at the Provincial Museum [now RBCM] and then a Curator in History. She herself is very, very active in her private life with the ASBC and really organized and kept things going, and as long as a handful of other people helped her out.... So there are quite a number of situations where individuals, semiprofessionals, were really the backbone in getting all this stuff done, and so you have

it is really individuals in the archaeological society, working with professionals that really got the first archaeological sites act implemented in 1960.

individuals who volunteered.... You also had Nick Russell who ran *The Midden* for many years, Kitty Bernick volunteering to be the editor of *The Midden* and having editorial experience. So her [work] as an individual really kept that going for a long time. So there are periods of ups and down where things are almost falling apart, but a few people are found to step in and they get going again. That is why it is always important to have a larger number of people involved. It's always easier having one hundred people doing a little of the work than having five people doing it all [laughs].

Adrian: What do you consider to be the most significant contribution of *The Midden*?

Grant: Well, there is a serious problem with publishing any kind of archaeological material, and *The Midden* had done this consistently for a long time. The sheer number of things that have been published there form an important part of our history, and certainly accessibility to the public. Often someone has published four or five reports that are difficult to get, and often there will be a nice little summary of the project in *The Midden*. To this day there are many individual topics that are in articles in *The Midden* that have not been written about anywhere else since then. So it is quite a valuable tool [resource], not just on particular sites or topic areas, but of the history of archaeology. And you've got this advertising about who is speaking, so you've got this whole history of who is giving lectures on what subjects at what time. The records of the society really provide a valuable source of information.

One of the very valuable projects they were doing in the late seventies, early eighties, was going around to private collections, gathering, photographing and documenting collections, and some of these private collections are things that often have artifact types that are rare in the museum collections [see article in this issue on the project, p. 9, and photographs on following pages]. So those records are there, and people really haven't utilized them to the point they should, including myself. It is the kind of thing [that] if those things ever came online, it would be a valuable source of information just getting the records. Sometimes what happens to those collections, they were later donated to a museum, so here we have this record with photographs of the collection often with information about where they came from. Whereas today, often collections are brought in by someone's granddaughter, there is no information that comes with it. [Similarly] the RBCM had an active policy back in the late sixties and seventies to document private collections, and we were often accused of "Well, isn't that just encouraging the looting of sites?"—when in fact nearly all these people were collecting them from eroding beaches and this sort of thing, or those obtained materials that had been previously looted from sites by their parents and this sort of thing. So, we had tens of thousands of artifacts, and we documented

these, and at least twenty thousand of those we documented have since been donated, and they have come in here with Borden numbers on them. So literally, we've had people come in asking what are these funny numbers on these artifacts, my father has died and I found this stuff in the basement. And I say, "Oh, those are Borden numbers," and we looked in our catalogue and we had a complete record of who his father was and where they were from and everything about them. So we got this documented collection, and he said, "Is this of value to you", and I said, "Yes." And so he donated it all, right! So a lot of that work done back then that has been deemed insignificant is quite valuable. Remember, [and here are two separate cases where] what the ASBC [and RBCM] recorded is of [potential] use decades into the future.

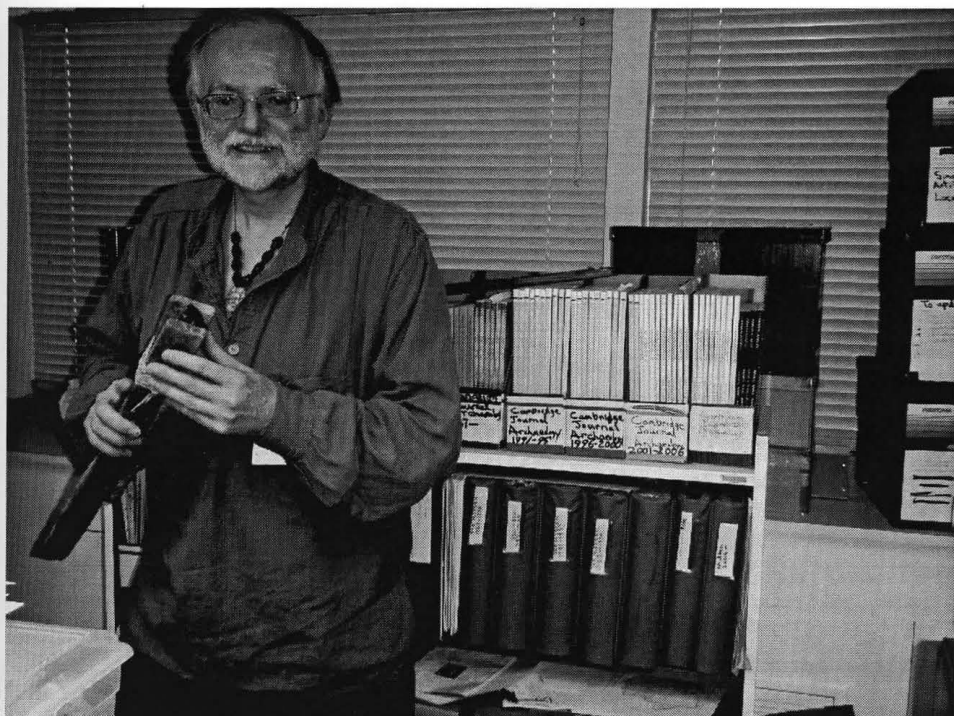
Adrian: Thank you for this great history on the development of the ASBC, and its influences on the discipline of archaeology in the province. Could you share your views of the ASBC's commitment to heritage protection and how it ties in to its overall political spirit?

Grant: Because of the independence of *The Midden* they have been able to write critiques to the various government departments, and so when you've got artifacts leaving the country... often there are articles that heavily criticize that, which results in government taking action to not allow artifacts to leave the country. They have been able to openly critique the government on areas of failure in legislation, and I think that has certainly provided pressure that has either maintained what we have got or improved upon it. Certainly there has been [situations] in the past where government has wanted to take away what was already there [in terms of heritage protection legislation], and pressure from the ASBC helped maintain what we had.

Adrian: Drawing on an earlier discussion about the shifting character of the archaeological community or communities in the province, can you expand on the historic dynamic of this trend, particularly in relation to how it has influenced the way archaeology is conducted?

Grant: Besides the main ASBC branch [Vancouver] you've got your Nanaimo and Victoria branches who have remained a little independent of each other, but again they are part of the ASBC, and in terms of the local community they have also brought together, especially Victoria, I would say people from the university and private contractors do not interact very much but by going to the meetings. By giving presentations at the ASBC meetings they have played a role in bringing people together, you know, getting communications going, and of course the very fact that they are providing lectures in all of these locations, they are providing a venue for people to go and learn about archaeology, and that has not been done, so the fact that both academics and non-academics have this great opportunity [for gaining access to information

There are periods of ups and down where things are almost falling apart, but a few people are found to step in and they get going again. That is why it is always important to have a larger number of people involved. It's always easier having one hundred people doing a little of the work than having five people doing it all.



Grant Keddie standing next to his shelf with the complete set of *The Midden* (Photo by Adrian Sanders).

and creating dialogue is unique], unless they attend conferences or [and] read publications. So much of what is talked about at these lectures is beyond the publication, so you get to hear about the projects and see a whole side of that project that never forms part of the publication. I think the meetings themselves provide an important learning vehicle, and again there is this situation where only [at] conferences do you... held at some of the larger universities or here at the Museum and these conferences are few and far between, or you have the Canadian Archaeological [Association meetings] held all over Canada, [where] you have so many events going on, and although it provides the opportunity for people to see old friends and stuff, there is not really [the same type of] interaction going on at those meetings, they are too big. So I think a good forum for that is provided by the local ASBC meetings where people can discuss these sorts of things.

Adrian: Considering the society's sociopolitical role in heritage preservation issues, do you have any suggestions for where future energies might be focused?

Grant: I think the role they have always played in [raising] public awareness of the value of archaeological heritage, promoting changes in legislation, you know, I think they continue to play a critical role of all aspects of archaeology, whether its government departments or museums or contractors, there is a role for constant criticism. If the institutions are too darn busy to evaluate themselves sometimes a critique from outside really helps people internalize some of that and makes [for] positive changes. I see in the future, or what I would like to see happen is the ASBC maybe sponsor events between government bodies and private contractors and discuss these matters, because they are probably ever done on an individual basis, say between the Archaeology

Branch and private contractors. You know, everybody is so busy there is these kind of scattered interactions, you know, for people to sit down as a group and start to say, with a positive attitude, ok, these are the problems that we seem to be seeing here with the Archaeology Branch, and the Archaeology Branch can say we need some improvements with private contractors, it seems in order to better preserve our history, these are things that need to be done, and the contractors may say to the museum, you guys are making life difficult by forcing these policies, so we may need to rethink our policies. By getting together and discussing these things I think the ASBC can be seen as a neutral body [laughs], which it really isn't. But it would be a good vehicle for bringing some of these people together, and if they organized it pretty well, you would invite different government departments, the museum, and First Nations all together, and if

they don't attend they are part of the critique, and they have to suffer the consequences, but chances are they would attend, you know?

Adrian: Does one project stand out as being the most fun you have had practicing archaeology?

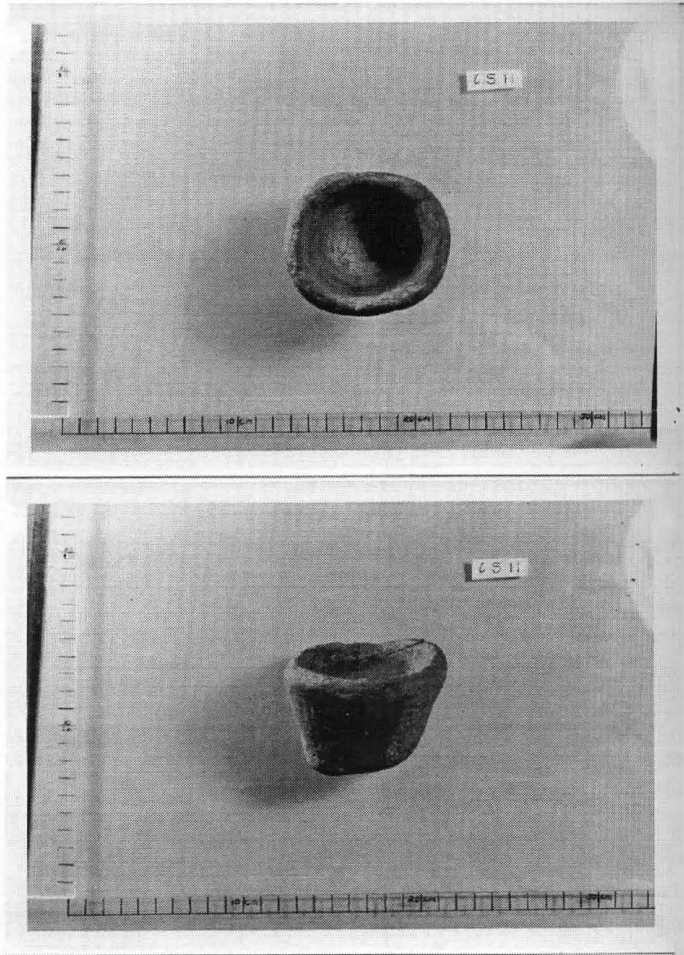
Grant: [Laughs, long pause] There is fun and there is adventure, and sometimes the adventure includes a lot of negative things and such [Grant did not choose to disclose what he intended here]. I would say looking back at all the projects I've done I would say my work at the mouth of the Chilcotin River at Gang Ranch back in 1972 was probably the most adventurous thing being in a more isolated area, but I also think of the 1969 SFU field school at Kwatna Inlet being adventurous stuff because again we were in an isolated scenario, and when I did surveys you never stayed in a hotel or anything. You stayed in a tent or you didn't even bother, you would just put a cot out in the bush at night, and, you know, you would work all day until sunset, eat and then put your cot in the bush and sleep like that. You didn't stop work at a certain time, you got up and ate breakfast and you'd go walk the Fraser River and go up the gulches, till you'd stop for lunch briefly, and you'd put in 12, 14-hour days, and that was always adventurous. You worked your butt off; you were in great shape and that sort of thing. There are many different projects that when you were out being active and doing things that hop into my mind.

One project I worked for two years on was with the Songhees Band as part of a training project. I was the only non-First Nation working on the excavation, and although one had to scurry to keep ahead of everybody in doing the project, it certainly was a real learning experience in working with First Nations,

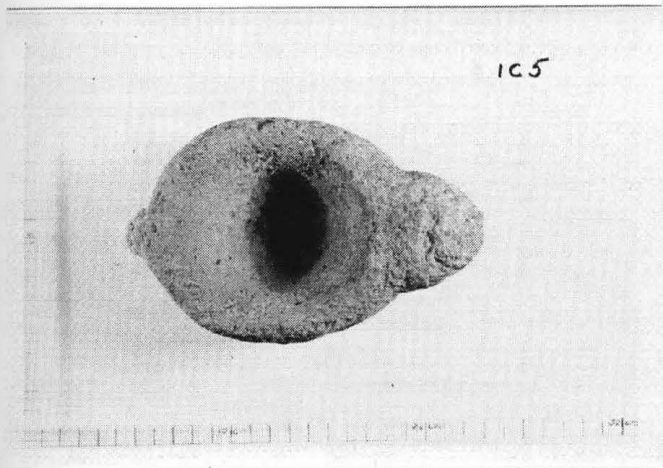
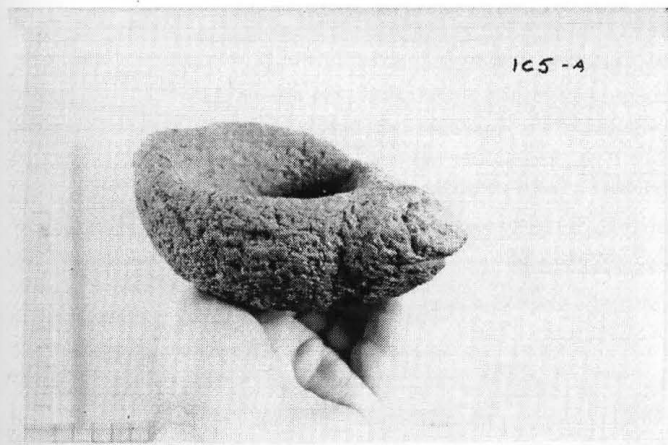
especially younger people who really had no interest in their history at that time. The Chief John Albany came to us and asked, he was complaining, "the young people are not learning their language, they are not interested in this stuff, can we do something together that will help this?" So we got involved for four different summers, plus winter works projects, so we were always trying to get some money to get this going. We had a number of younger Songhees here working on various winter work projects and so my whole experience with that, trying to inspire the younger people to learn, and seeing the appreciation of the elders that the younger people were doing this sort of thing, that was a more memorable situation when I think of the work that I have done.

There are the projects and then there are inside museum related things, so I've done a lot of public... I've done literally thousands of lectures on tool technologies all over the province in my 36 years here. I've gone to First Nations reserves up in the Peace River area where I'm doing artifact technology demonstrations and to see, you know, you hear the feedback later on where you are in a classroom situation and some child in grade three or four who always sat at the back of the room and never said anything, and now the teacher says they are sitting up at the front of the room and you can't shut them up [laughs], just because of that experience; that you are there talking about them and how their history was and all the incredible things their ancestors knew how to do. It suddenly gave them a purpose and so when I think of my contribution to archaeology that is the sort of thing that comes to mind. I have kids running up to me in shopping centers and in cafes and saying, "oh, your Grant Keddie, you gave a technology thing at my school when I was in grade seven, that really inspired me to learn, I didn't go in to archaeology but I went to university and I did all these sorts of things", you know? Those are the kinds of things that are the most gratifying, and if I had not done all those things I should have a big stack of publications, but these are real things you can see. I guess in reality those are the things that are really rewarding, either that you have left [something] behind, that you have made a difference out there.

Often the Museum has had projects around the province where we would offer these special school programs, they would often bus kids in from many miles away. Often this is a huge event for them, as no one from Victoria ever comes to talk to them. So it's a big special day and all the kids are terribly excited about it, and we'll often give a lecture to the adults at night, and we might have a follow-up day where we get the kids to bring their parents to the event we have that day. So the kids are dragging their parents down there all excited about stuff, and many of the parents come to these events who normally would never attend them, so it becomes very much a family thing. So that is a rewarding thing.... You often have local museums or heritage societies involved in these events that we do, and suddenly you are injecting some life into them, so suddenly they are in the local newspaper and more people join their society, so you see the physical results of the stuff that you have done in generating this enthusiasm and you see that going on for years and years. That is why I think one of the things in the future for the ASBC would be to encourage more branches throughout the province,



to get one in Ft. St. John and wherever there is viable, local culture where they can associate with the museum. Where the population is quite low you can work something out where essentially the museum and archaeological society can be linked with a society down here that can maybe help bring speakers up to those areas. This is where I think there need to be more government funding, and where the ASBC could apply for to do a speakers circuit. So you get volunteers from universities and museums who then go on a speakers tour throughout the Interior. I've done a number of these in the past, but, you know, you get burnt out doing [these] things. So you go into a town and you do all this stuff and then you get interviewed on the radio, then you go to the next town and you do the same thing all over again. If we had twelve people doing that, the impact of archaeology and the acceptance would really be enhanced throughout the Interior, because there is a lot of negativity about archaeology. When I was up surveying the Cariboo and the Chilcotin I would be on a ranch where sometimes I would be approached by some guy with a gun saying "what are you doing on my land," and usually after a five minute conversation they would say "I didn't know you were an archaeologist" so they invited me for dinner and wouldn't allow me to leave. There was this great enthusiasm for archaeology everywhere, and now it is sort of... you start hearing these rumors that someone found something and they were told to bury it or bulldoze it away, so the media about archaeology stops projects is a real thing that we have to try and overcome. So going giving a talk to the Kamloops



Images of small stone bowls from the ASBC Private Collections Project.

Ranchers Association and these sorts of groups would really dispel that sort of stuff, and answer their questions and help alleviate most of their fears, and assisting them in working with local First Nations groups, and getting them on side. Especially in smaller communities these things work very well for the benefit of everybody.

Adrian: Can you think of a funding venue capable of providing such an opportunity?

Grant: There isn't one that is really well defined now, but I think there should be something equivalent to a heritage fund. You know, in the cities you have all these heritage monies for maintaining heritage homes, and that has been a very big focus, but there are a lot of projects that should be done that are proactive, rather than waiting for something to be destroyed where a contractor has to rush in there. There should be a system where looking at every city and town around BC we know where there are a lot of sites, and the first thing we should be doing is survey around that whole area, so the city knows what [heritage potential] they have, and those are the areas where things are most likely to be destroyed, and have the highest impact. That is where the local archaeological society can fit in... so the Nanaimo Archaeological Society had this project surveying and updating sites in their area, working

with the Band, the Band got together with the city council and established a policy, that if you find archaeological sites they are to be phoned, and you have individuals you talk to, right. So if you do this in a local community where you get everybody on side, you have discussions, and you may have your differences, there may be situations where conflicts arise you can't oversee, but in most cases you can overcome the conflicts. By being preemptive, you know, where the sites are, and you do some work to define their boundaries. So there is some place where within ten years, you know, a piece a property is going to be developed, so you get in their and define that stuff, so if somebody is going to develop it you can say sure you can develop it but just stay away from this northwest corner here, and as part of the development project we want you to put money into making this a historic park with some markers there indicating it is there and why it is important.

Adrian: Sounds like the primary concern is where that initial funding is going to come from?

Grant: Yeah, and I think it is the kind of thing where it would be jointly sponsored. As with many things, you have the Federal and Provincial governments kick in different proportions, and they do this with many things, why can't you do this with the archaeology? Well, people already assume that archaeology is already paid for; the people who are destroying it have to pay for it. The reality is that things are being destroyed all the time; they are not in the radar. We see these sort of things happening, where conflicts develop because it's [the work of archaeology] not proactive. You've got to get in their and do large-scale city surveys. In the Archaeology Branch I would have an individual whose job it is solely to communicate with municipal governments all over British Columbia. Go to their annual municipal convention and give a talk on why archaeology is important, how they should organize and document this, and how they should work with the First Nations in their community. So, that would alleviate a lot of problems that we know are going to happen, you know, the uncovering of burials is [otherwise] going to happen. We know, in most cases, it's predictable. Federally, we should really have a body within the Archaeology Branch that has some committee within government that is in charge of funding for these sorts of things. Those kinds of organizations have existed in the past that we have done away with. There really need to be some kind of independent body that has a regular budget that is probably part of an umbrella group with the Heritage Conservation Branch, that with this money available puts its focus on local communities and with a very specific purpose. So, if a local archaeological society, working with the local city and the First Nations and there is clearly something of social benefit to the community, that should be a priority, and they receive the money. Again, somebody needs to write up a policy for that sort of thing, and those people are around, we just need to find them.

Adrian: Would you be able to situate this discussion historically? Reflecting on your earlier experiences working in a professional capacity for the province, and observing the transition of this work that has since been focused in the hands of private con-

tractors hired by developers, what are your sentiments about the state of heritage management in relation to the way archaeology is presently practiced?

Grant: Yeah, I mean obviously because of the enormous extent of something you needed to have private contractors, you had to have large numbers of people for doing this sort of thing. Now there could have been a larger government body that had more input in those procedures, but I say what we need in combination with that is more

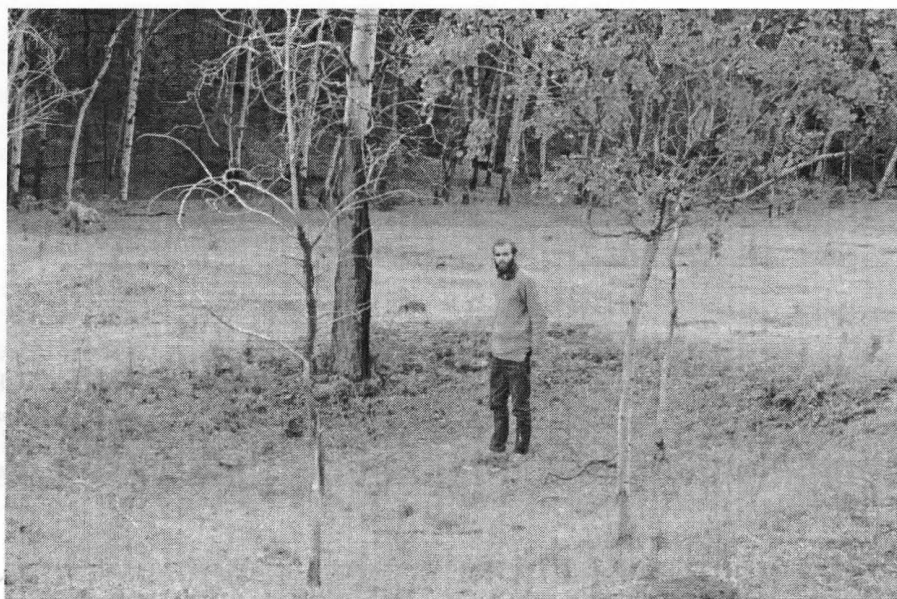
of an involvement from the provincial government in looking at local heritage, First Nations and non-First Nations. Because we keep forgetting that everything after 1846 can be bulldozed away. So if you had some important European figure who had a well in their backyard and three meters of garbage that represented their history that we could bulldoze it away and it's not protected by law whatsoever. You

get Chinese village sites getting totally looted and bulldozed away. So really, each municipality should develop a heritage... [designate] what is important in their community. You know, it might be a 1946 gas station with original gas pumps? Well that might be the oldest thing in that town surviving, and they might want to make that something unique that they have; there should be money to go toward that. Help-

ing make people aware of their history and heritage, whether it is First Nations or not, and certainly there is a need for doing more historic archaeology, and if that is not covered in legislation there should be monies made available for doing that....

Essentially what was going on initially was there were small amounts of money made available to what was then the Archaeological Sites Advisory Board [ASAB], but they often came through other government departments, so when I had that job, although I was actually monitored by the ASAB, the money came through the Department of Recreation and Conservation. What our job was—it was proactive—we would go out to hundreds of locations for proposed park sites, where park benches and outhouses [were planned] all throughout the southern Interior. So we were proactive in documenting these, making sure that government officials didn't destroy sites. So that was a big priority, and there was lots of money available for that. Then you had cut backs, and you had the Ministry of Transport came in, so the people putting in the roads became the payers of archaeologists, and then that is when more and more private contractors came in and forestry became

There should be something equivalent to a heritage fund.



the big money thing. So you've been taking this money from other government departments for funding most of the archaeology. So it got to the point where there wasn't really an organized body that really had a substantial funding guaranteed on a regular basis to organize this whole thing. I think you need to develop an entirely new department that has an annual budget for doing

the kinds of things I am talking about.

So when archaeologists are say working in the Kamloops area they should be working with the local archaeological society and the city council and the First

Nations in that area, and discussing and fitting in to their already established plan for what they are doing in the area. It seems a lot of stuff is shot in the dark. Some archaeologist is working in that town and nobody in that town knows anything about it, and I think everything suffers because of that. There is a lot of local knowledge that can be gathered, not just [from] First Nations but from non-First Nations as well.

When I was up in the Burns Lake area doing these public programs I talked to all kinds of people, [including] this guy who was 92 years old. We had these obsidian sources, these unidentified obsidian sources, and he was talking about 50 years ago when he went through the mountains and there was obsidian there. So I showed him the stuff, and I've got that [location] on a

map. Then two guys who were skidoo people told me about another source, and only skidoo people would ever go there [laughs], so I've told a number of people and hopefully they will go out and get that. So the local community is a valuable source of information.

A lot of people have local collections, again, that need to be documented. When you pool the knowledge of the local First Nations and non-First Nations and city officials and everything, everyone wins, and you get better results. And I think the ASBC could play a role in that in terms of their regional organizations, and probably if you actually had a situation where you had all those different groups together that would become the vehicle for forming an archaeological society in a place that may not necessarily have enough people to keep it running on a regular basis. So if you actually get the city planner attending the local archaeological meetings and he's aware of what is going on and

(Photo: Grant Keddie standing inside one of two large newly recorded housepits on high bluff above Dog Creek. 1970.)

he doesn't need a lesson every time something happens....

A common problem is you get a developer that takes archaeology seriously, they are keenly interested, then they move to Calgary, and somebody else comes in and they don't know anything about this and you start from scratch all over again, usually by digging up some site and people coming by and asking, "why did you let this happen?" and they are going, "I didn't know what this was", and that sort of scenario. So there is a role where people in the archaeological society, involving people from the university and others together to promote more intensive involvement on the local level, [including] more members of the public and professionals.

Adrian: Can you shed some light on what you may involve yourself in come retirement?

Grant: Well, what I am trying to do is work on as many collections as I can before I retire [laughs] so that I can take that information to later work on. So right now, this thing sitting in front of me I need to get back to, I need to do an analysis of all the beaver teeth in our collection, make commentary about those, that has never been done before, and look at all the ethnographic use of them, such as beaver-toothed dice and this sort of thing. So I'm taking my knowledge of what is in the collection and looking at real things, adding new information from a different perspective. Then working on a lot of things that I am now documenting in the collections that when I retire I want to get that stuff published, get that stuff out there.

Then I want to probably document the world of the future, there is a real need in museums to start taking really seriously the electronic documentation of data and sub-samples, so if somebody comes in from the field and you've got a piece of gunk on a stone tool, that is given a number, that is put into a special container to preserve and document it so people are aware of it.... I just took a two day course on x-ray florescence, so I have a fairly good understanding of what that can do and it is just absolutely mind boggling what that can do with stuff in our collection.

One of my projects I will probably continue when I retire is looking at... I'm convinced iron tools were used at least a

Photo: Grant Keddie recording the remains of a single Chinese house and grave, site FcRo-7, near Collins Creek, 1970..

There is a need for doing more historic archaeology, and if that is not covered in legislation there should be monies made available for doing that.



thousand years ago by First Nations, [the material] either coming around the Pacific Rim or [from] ship wrecks, some also coming early on from eastern Canada. So I'm looking at abrading

stones and looking for evidence of iron compounds on the surface of those, so the x-ray florescence can absolutely tell that for sure, but it is a pretty complicated process to do that out, so I have scanned a bunch of material now and I've already got some concrete results on other things. For example, I've shown that if you look at the natural constituents on the rock itself then you look at its surface layers and I

have an abrading stone for example that I have used for sharpening mussel shells and bone, but you look at it and you can't see anything on it, it's perfectly clean and even when you clean it off there are massive amounts of calcium and strontium in the surface of that abraded.

So here we have [an artifact class] abrading stones, which are not seen as sexy artifacts, they have been basically ignored, archaeologists have reported, oh yeah, and 20% of everything we have found are abrading stones, there were a whole bunch of them, they were this size to that size and end of discussion, rather than saying, wait a minute, half the artifacts we have found are worked

some how on by an abrading stone and we know nothing about abrading stones, right. Here's an incredible opportunity to do an incredible amount, so I would like to be a catalyst, and say hey, look at this, we can tell whether there was ground shell, or bone on this right. Here is the proof and here is the way to do it, so hopefully somebody will follow through on it, some graduate student will do two thousand things and verify that.

I'm working with a nuclear physicist who is retired, so that when I have compiled what I am going to do I am going to go to them for critique, and ask, do I know what I am talking about, can you do this better, what I say I am seeing am I really seeing that? You invite a critique like that. What I have seen so far is we are going to be able to do that, we are going to be able to prove that there was iron on these tools, and that they are associated with bone cuts that had to be done with stone tools and that sort of thing. There are all kinds of artifacts in our collection we can do x-ray florescence on and other kinds of microscopic analysis, that will be able to tell us of things we didn't even dream of before. I get Nature and have been reading

about what they have been doing with this latest nanotechnology and other things, and I am one of the first archaeologists in BC to get there DNA done, and probably in Canada, so by getting involved in that stuff you become aware of the opportunities that, even though you are doing it for your personal stuff, you become aware of the incredible range of stuff you can do in archaeology. When we are talking about bone elements, we are going to be able to go in a site, and instead of saying there are a minimum number of so many animals you are going to be able to do studies on those and say all those 50 bones belong to six animals. I know we can do that stuff. Right now we don't have the machines and the expertise to do it, but this stuff can be done. So we need to be thinking about how we are collecting stuff, saving stuff, and documenting stuff for all that work to be done in the future.

The University of Victoria is setting up a lab now where in two years when they have a three-dimensional microscope set up it will be one of the best, if not the best microscope in the world, so there is an opportunity for students to look at stuff in our collection and will be able to ask what it is using that machine, what kind of behaviour in the past can we talk about with the aid of that machine? Every time I look at anything in our collection it is just mind boggling, its just endless, endless stuff. So that is why museum curators need to be very aware of and document that stuff, and if there are things costing money, they need to be pushing their management to invest money into those kinds of resources. Of course the are archaeological repositories all around the province, most of them do not have that support, and there needs to be more of a broader coordinating of documenting of things, so that the way we store and document something here and the way the *Secwepemc* people do it, and the way they do it in *Ta'ma'ha* and in Ft. St. James [are consistent]. We've got these standard procedures, rules and regulations to preserve this stuff for the future, and get it electronically documented so somebody in Victoria who wants to study something, they will immediately see where all the resources are and that they can study. That means institutions like this [RBCM] needs to hire more people to do that, it is a very labour-intensive thing. But, it's the amount of time it saves, and allows people to do research really quickly. So, [at present] a graduate student has to physically come to the museum and physically look through all the drawers for four hundred things, they just can't do it in the time they have to have their paper done. So, if stuff was readily available to them, easily accessible, they could document the data very fast and get on with the thinking part of it [laughs].

So that is what when I retire... and of course my big thing is I'm always experimenting making tools of various kinds. So I want to go out more and, you know, butcher dead animals with stone tools and that sort of thing, and I'll have more time to go out and I want to do a big re-assessment of the landscape and look at where the potential for early sites are. Especially around the Victoria area, say between the 5,000 to 12,000 years ago, all the sites along the shorelines are under water. So where is the inland evidence? It is there but it is really difficult to find, and

we have to do some large-scale studies, and get some outside money and hire some graduate students to document where the most probable localities are and then do some kind of testing regime throughout the whole area, and have that red-lighted on the radar so that if a housing development is going in their its not just a contractor going doing a minimum amount of testing where we know there are sites, but someone doing a real

systematic testing of the ground surface in that area. So in some of these old areas, it's not just necessarily... you're looking at evidence of the landscape, so if you are looking at faunal material that is not human butchered but what was the natural landscape 10-11 thousand years ago? To document that although there is no human association with that then provides the setting for when humans could have been here, and that sort of thing. So you've got

these people in natural history who are living in an independent world who don't communicate with the human historians, and I would like to have more time to bring those people together, to get them working on larger-scale projects, where they are all helping out, looking at the big picture down the road.

Grant Keddie is Curator of Archaeology at the Royal British Columbia Museum, and a long-time member of the ASBC.

Adrian Sanders recently completed his MA at the University of Victoria, and is a contributing editor to *The Midden*.

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PERMITS ISSUED BY ARCHAEOLOGY & REGISTRY SERVICE BRANCH 2008, continued

Permitted project descriptions as provided by the Archaeology Branch have been edited for brevity and clarity. The assistance of Ray Kenny (Manager, Permitting & Assessment Section) and Jim Spafford (Heritage Resource Specialist) in providing this information is gratefully acknowledged.

Note: Information about Permits is subject to restrictions imposed by Federal privacy regulations. For this reason, Site Alteration Permits issued to private landowners will not identify those Permit-holders by name, or provide exact addresses or legal descriptions for their properties. The federal privacy regulations do not apply to corporate developers, or archaeologists.

Glossary of Abbreviations: A number of recurrent abbreviations may not be familiar to many readers of *The Midden*, and the most common of these are defined here.

Permit types: ALT = Alteration; INS = Inspection; INV = Investigation.

Archaeological project types: AIA = Archaeological Impact Assessment; AIS = Archaeological Inventory Study; SDR = Systematic Data Recovery.

Forest industry terms: CMT = Culturally Modified Tree; CP = Cutting Permit; FD = Forest District, FL = Forest License; MoFR = Ministry of Forests and Range; TFL = Tree Farm License; TL = Timber License; TSA = Timber Sales Area.

Other government agencies: FOC = Fisheries and Oceans Canada; DIAND = Department of Indian Affairs and Northern Development; LWBC = Land and Water B.C., Inc.; MEM = Ministry of Energy and Mines; MoT = Ministry of Transportation; RD = Regional District.

First Nations abbreviations: ATT = asserted traditional territory; FN = First Nation.

Legal title descriptions: DL = District Lot; P/L = pipeline; Rge = Range; R/W = right-of-way; Sec = Section, Tp = Township; T/L = transmission line.

Permit No.	Name	Permit Type	Description
2008-0217	Owen Grant	INS	AIA of proposed forestry operations by the Coulson Group of Companies and other possible forestry companies within those portions of the South Island FD which overlap with the ATT of the Nuuchah-nulth Tribal Council and the Qualicum FN, except for portions of these territories that overlap with the Pacheedaht FD and other First Nations that are not members of the Nuuchah-nulth Tribal Council
2008-0218	Richard Brolly	INS	AIA as required for BC Hydro/BC Transmission Corporation's routine small-scale projects associated with the distribution and transmission of electric power in the Lower Mainland Service Area
2008-0219	private individual	ALT	ALTs to portions of DkSf-4 by renovations and additions to a residence, Comox
2008-0220	Bruce Ball	INS	AIA of forestry developments proposed by True North Forestry Consulting Limited within the Arrow FD
2008-0221	Chris Engisch	INS	AIA for Red Chris Development Company Ltd.'s proposed access trail, mine site and associated developments for the Red Chris Mine Project, on the Todagin Plateau SE of Iskut
2008-0222	private individual	ALT	ALTs to DhRx-104 by construction of a residential complex, Nanaimo
2008-0223	Morley Eldridge	INS	AIA (terrestrial and underwater) for portions of the proposed Nai Kun Windfarm Project, including activities related to the proposed location for turbines in Hecate Strait E of Naikoon Provincial Park, and the Haidalink cable crossing and landfall and related substation near Tlell
2008-0224	Ross Jamieson	INV	Research INVs during 2008-2009 at the historic-period hotel and rooming house known as "Casa Grande," along the Fatox Main logging road adjacent to the Deadman River, between Converse Lake and Fatox Lake, W Fraser Plateau
2008-0225	Rob. Paterson	INS	AIA of proposed oil/gas developments on behalf of Devon Canada Corporation, Devon ARL Corporation and possible other proponents, within NTS map sheets 94A, 94B, 94G and 94H in the Peace River region
2008-0226	private individual	ALT	ALTs to DeRu-1 By installation of a sewer line to a single-family residence, North Saanich
2008-0227	Clinton Coates	INS	Archaeological inventory to recover human remains in the vicinity of a location adjacent to Lakeshore Road, immediately N of Okanagan Lake Park, S of Kelowna, where human remains have been previously identified

2008-0228	Rob Field	INS	AIA of 18 proposed run-of-river micro-hydro facilities and ancillary works for Plutonic Power Corporation's Bute Inlet Hydroelectric Project
2008-0229	Diana Alexander	INS	AIA for a single-lot residential redevelopment in the West Point Grey neighbourhood of Vancouver
2008-0230	Barry Wood	INS	AIA of three strata lots in Windermere, in the vicinity of EcPx-8
2008-0231	Bruce Ball	INS	AIA of development/project areas as may be proposed by the ILMB within the Kootenay Land District
2008-0232	Barry Wood	INS	AIA of a 4.8 km-long 138 kV transmission line for the Bear Mountain Wind Project, approximately 13 km W of Dawson Creek
2008-0233	Bruce Ball	INS	AIA of forestry developments proposed by Interfor in the Arrow-Boundary and Columbia FDs
2008-0234	Norm Parry	ALT	ALTs to CMT sites FJTf-11, FJTf-44 and FJTf-45 by forestry activities on Hawkesbury Island near Kitsaway Anchorage, Kalum FD
2008-0235	David Benere	ALT	ALTs to DhRx-16 by two City of Nanaimo projects including (1) installation of a chain-link fence and an interpretive sign at the Snuneymuxw First Nation's reburial area at the intersection of Departure Bay Road and Bay Street, and (2) installation of concrete bases for pedestrian crosswalk flasher units between Bay Street and Wingrove Street at Departure Bay
2008-0236	Andrew Mason	INS	AIA for the Greater Vancouver Water District's proposed Port Mann Water Tunnel under the Fraser River between Coquitlam and Surrey
2008-0237	Samara King	INS	AIA for an undetermined number of proposed forestry operations by KDL Group and other licensees in the Fort St. James FD
2008-0238	Morley Eldridge	INS	AIA for the proposed construction of a boat ramp by the Saanich Fire Department in the vicinity of DcRt-17 on Telegraph Bay Road at Telegraph Cove, Saanich
2008-0239	Pete Dady	INS	AIA of burial site DfRw-21, Dunsmuir Island, in Ladysmith Harbour
2008-0240	Joel Kinzie	INS	AIA for a proposed residential subdivision at Lot 6, Plan 1414, Smith Creek subdivision, Westbank
2008-0241	Shane Bond	INS	Post-construction AIA of damage to DdRu-5 by unpermitted trenching and sewer service line installations, in the Patricia Bay area of North Saanich
2008-0242	David Hall	INS	AIA of proposed forestry operations by Triumph Timber Ltd. within the North Coast FD
2008-0243	Monty Mitchell	INS	AIA for International Forest Products' proposed timber harvesting and related activities within Gwawaenuk, Gwa'sala-Nakwaxda'xw, Namgis, Nuxalk, and Wuikinuxw FN territories in the Central Coast region
2008-0244	Ryan Spady	INS	AIA of First Coal Corporation's proposed Goodrich Central South coal mine development, including but not limited to the general mine area, plant site, access roads, load-out facilities, and reclamation, located in the Hart Ranges of the Rocky Mountains immediately northeast of Mt. Stevenson, within the headwaters of Beaudette Creek, and near the confluence of the Pine River and Beaudette Creek
2008-0245	Rob Wondrasek	INS	AIA of changes in the alignment of the proposed SemCAMS, L.P. Redwillow Pipeline, extending E from the Grizzly Valley area near Tumbler Ridge (start point b-33-G/93-P-03) and following Hwy 52 for much of its length to the BC-Alberta border.
2008-0246	Ty Heffner	INS	AIA of forestry operations proposed by Canadian Forest Products Ltd within the Quesnel FD
2008-0247	private individual	ALT	ALTs to DcRt-10 (Willows Beach site) by construction of a driveway and possible installation of electrical services, Oak Bay
2008-0248	Karen Brady	INV	Systematic excavation of EdQx-28 at the Canadian Pacific Railway's proposed Geddis Locomotive Facility between Mile 107.29 and Mile 106.22, Shuswap Subdivision, 34 km E of Kamloops near Pritchard
2008-0249	Shauna Huculak	INS	AIA of the Beaverfoot Interchange Alternative 3, Crozier Pit, Surplus Material Disposal Area A, and Surplus Material Disposal Area B as part of the MoT's proposed Kicking Horse Canyon Project Phase 3 East upgrades to the Trans-Canada Highway, E of Golden
2008-0250	Beth Hrychuk & Kenneth Schwab	INS	AIA of oil/gas developments proposed by 1053547 Alberta Ltd. and possible other proponents, N of the Peace River, E of the Beaton River and along the Alberta border, within complete or portions of NTS mapsheets 94 A/1-2, 7-10, 15-16; 94 H/1-3, 6-7, 16
2008-0251	Monty Mitchell	INS	AIA of forestry operations proposed by West Fraser Mills in the vicinity of Bish Creek and Clio Bay defined in a map attached to the permit application
2008-0252	Karen Brady	INS	AIA of Petrobank Energy and Resources Ltd.'s proposed Petrobank Connaught Princeton wellsites c-83-H and b-18-D and associated access roads, located near Princeton
2008-0253	Nicole Jackman	INS	AIA of developments or projects proposed by the MoT within their Fort George, Robson and Nechako maintenance Contract Areas, Fort George Highways District.
2008-0254	Kenneth Schwab	INS	AIA of oil/gas developments proposed by Roy Northern Land Services Ltd., and possible other proponents, operating within NTS mapsheets (entire or partial, see map) 94 A/4-6, 11-13; 94 B/1-16; 94 G/1-16; and 94 H/13, all entirely within Treaty No. 8 Territory (1899), NE BC
2008-0255	Brian Novosel	ALT	ALTs to specified portions of the Park Farm Site (DhRq-22) within four contiguous properties (Lots 1, 5, J and 20), the Phase 1 component of a commercial development (shopping centre) N of the Lougheed Highway and E of Harris Road, Pitt Meadows
2008-0256	Brian Novosel	ALT	ALTs to specified portions of the Park Farm Site (DhRq-22) within two contiguous properties (Lots 3 and 8), the Phase 2 component of a commercial development (shopping centre) N of the Lougheed Highway and E of Harris Road, Pitt Meadows

2008-0257	Kisha Supernant	INS	Archaeological research inventory of rock wall or rock fortification sites and associated features in the lower Fraser Canyon, and test excavation and removal of rock samples from such sites, located in proximity to the Fraser River, upstream and E and N of Yale
2008-0258	Morley Eldridge	INS	AIA for a proposed Coast Guard communications facility, including access road, communications tower, and helicopter landing area, by Fisheries and Oceans Canada, Pacific Region, approximately 6 km S of Masset on Masset Sound, Graham Island, Queen Charlotte Islands
2008-0259	Brian Robinson	ALT	ALTs to DeRu-15 by construction by the District of North Saanich of a beach access and storm water outfall at the W end of the 12 m-wide Downey Road r/w fronting on Saanich Inlet
2008-0260	Barry Wood	INS	AIA of BC Hydro's proposed Aberfeldie/Bull River Fish Enhancement Project, Block D, DL 4590, Kootenay District, Plan X28 except Sublot 40, Plan X28-1, near Cranbrook
2008-0261	Kenneth Schwab	INS	AIA of oil/gas developments proposed by Roy Northern Land Services Ltd., and possible other proponents, operating within NTS mapsheets 94 A/1-2, 6-16, 94 B/16, 94 G/1-2, 7-9 and 16, and 94 H/1-16, entirely within Treaty No. 8 Territory (1899), NE BC
2008-0262	Reid Drummond	ALT	ALTs to HbRf-83 by the Phase 3 widening of Alaska Highway 97 within LKI Segment 1180 Fort St. John to Wonowon at LKI 5.75 to LKI 6.2000, immediately N and W of the intersection of the 271 Road and Highway 97 near Charlie Lake
2008-0263	Frank Craig	INS	AIA of the Aspira Project, a mineral exploration project proposed by Amarc Resources Ltd. S of Babine Lake
2008-0264	Heather Pratt	INS	AIA of forestry developments proposed by Island Timberlands on Cortes Island, Sunshine Coast FD
2008-0265	private individual	ALT	ALTs to DcRu-1159 by road construction and installation of service lines and a storm drain and outfall, View Royal
2008-0266	private individual	ALT	ALTs to DdRu-81 by demolition of an existing house and construction of a single-lot residential development, Saanich
2008-0267	Kevin Twohig	INS	AIA for a proposed 12-lot residential subdivision of DL 1745, Lillooet District, located at the S end of Big Bar Lake, N of Clinton
2008-0268	private individual	ALT	ALTs to DcRt-10 by construction of a one-room addition to a house, Oak Bay
2008-0269	Karen Brady	INS	AIA of proposed oil/gas developments by Petrobank Energy and Resources Ltd., and possible other operators, within NTS Mapsheet 92H, consisting of portions of the Okanagan-Similkameen Regional District, Fraser Valley Regional District, Thompson-Nicola Regional District, and Central Okanagan Regional District
2008-0270	Ryan Spady	INS	AIA of forestry developments proposed by West Fraser Mills Ltd. and possible other proponents, within the Chilcotin FD, excluding the areas identified in the Supreme Court of British Columbia's opinion, in Tsilhqot'in Nation v. British Columbia (2007 BCSC 1700), as areas where aboriginal rights and/or title exist
2008-0271	Bruce Ball	INS	Post-impact AIA of an existing gravel storage area located W of the Farwell Canyon Bridge across the Chilcotin River, within DL 315, Lillooet District
2008-0272	Stephen Smith	ALT	ALTs to DISr-99 by proposed forestry operations by Western Forest Products Inc. within FL A19231, Block E40, located near Hecate Channel, S of Steamer Point on Nootka Island, Campbell River FD
2008-0273	Shane Neukomm	ALT	ALTs to CMT sites GfRx-1 [SSAL 014-Site 4], GfRx-2, GfRx-3, and GfRx-5 in the course of Carrier Lumber Ltd.'s forestry operations in FL A70174 CP 461 Block 1, in the Fort St James FD
2008-0274	Barry Wood	INS	AIA of TM Mobile Inc.'s proposed cellular telephone tower and overhead powerline installation within Sublots 18 and 30, DL Lot 4589, Kootenay District, Plan X27, located approximately 6 km S of Elko
2008-0275	Richard Brolly	INS	AIA of A.L.K. Construction's proposed River Wind at Coyote Bluffs commercial/residential development within DL 121, KDYD, on the N bank of the Nicola River, W of Hwy 5 and S of Hwy 5A, in Merritt
2008-0276	Barry Wood	INS	AIA for a proposed 29 ha residential subdivision of DL 10093, KD except Part 1 Plan 1215 Part 2 Parcels A and B (see 190639) in the vicinity of DgQa-5, near Kingsgate
2008-0277	Barbara Horrell	INS	AIA of Phase 2 of the Fortwood Homes Fraser River Benchlands housing development, and associated road and sewer line, in the Lower College Heights area, D.L. 22014 REM, Prince George
2008-0278	Heather Pratt	INS	AIA of recent disturbances to site DgRw-34 by the non-permitted construction of a garage and potential further land altering activities in Cedar
2008-0279	Gail Wada	INS	AIA of four run-of-river hydroelectric projects and ancillary facilities proposed by Cloudworks Energy Inc. in the Upper Harrison Lake area (Big Silver Creek, Shovel Creek and Tretheway Creek) and the Chehalis River area (Statu Creek)
2008-0280	David Hall	INS	AIA for portions of the proposed NaiKun Windfarm project, including activities related to the location of proposed powerline r/w in the vicinity of Kaien Island, Ridley Island and Port Edward
2008-0281	Zoltan Schafer	ALT	ALTs to CMT sites DiSn-104, 105, 106, 107, 108 and 109 by Ma-Mook Natural Resources Ltd.'s forestry operations in TFL 54 Blocks HS120 and HS125, Clayoquot Sound, South Island FD
2008-0282	Zoltan Schafer	ALT	ALTs to CMT sites DiSn-110, 111, and 112 by Ma-Mook Natural Resources Ltd.'s forestry operations in TFL 54 Block STE11, Stewardson Inlet, Clayoquot Sound, South Island FD
2008-0283	Ian Cameron	INS	AIA of ~1 km of upgrades to an existing road and ancillary facilities and developments at the proposed Skaha Bluffs Provincial Park near Penticton
2008-0284	Duncan McLaren	INS	AIA for BC Hydro's proposed seismic upgrade to the Ruskin Dam and Ruskin Powerhouse, relocation of the associated switchyard, and various ancillary facilities at the Ruskin Generating Station, Stave River system
2008-0285	Barry Wood	INS	AIA of Elk Valley Coal Corporation's proposed exploration drilling program within Elk Valley Coal Freehold Land, Lot 1; D.L. 4589, Plan NEP23394, the "Martin Wheeler property", IS of Sparwood and NE of Fernie

2008-0286	Shane Bond	INS	AIA for the redevelopment of a lot in North Saanich, within the bounds of DeRu-36
2008-0287	Bryan Fraser	ALT	ALTs to previously felled CMTs within FgTw-33, located within cut block COPP05, TFL 58 located just W of Copper Bay, Moresby Island
2008-0288	Hayley Chester	INS	AIA of oil/gas developments, including ancillary facilities, proposed by Devon Canada Corporation, Devon ARL Corporation and other possible proponents, within areas covered by NTS Mapsheets 91I, 94J, 94O and 94P, Peace River Region
2008-0289	Douglas Brown	INS	AIA of improvements to an existing boat ramp and associated infrastructure, as well as construction of a new boat ramp and associated infrastructure proposed by Metro Vancouver and BC Hydro at the S end of Coquitlam Lake
2008-0290	Heather Pratt	INS	AIA for Kingfisher Inns Ltd's proposed redevelopment of Lot B, DL 10, Nelson District, Plan VIP 66171; Lot A Strata Plan VIS4604 of DL 2018, Nanaimo District and Lot 10, Nelson District; Lot 3, District 10, Nelson District Plan 2777 lying NW of the SE boundary of Plan 178R, except Part in Plan VIP59877, located at 4330 and 4333 South Island Highway, Royston
2008-0291	Ryan Spady	INS	AIA of forestry developments proposed by West Fraser Mills Ltd and other possible forest industry proponents in the Central Cariboo FD
2008-0292	Barry Wood	INS	AIA for a proposed 7.28 ha, 3 -ot residential subdivision of Lot 1, Plan 2929, DL 4596, KD (PID 015-036-260), in the vicinity of EbPx-20 on the W side of Columbia Lake and W of the CPR r/w about 5.5 km S of Fairmont Hot Springs
2008-0293	D'Ann Owens	INS	AIA of Western Forest Products Inc.'s proposed forestry developments in and around Cutblock 683414, and related ancillary developments, Walbran Valley between Port Renfrew and Nitinat Lake, South Island FD
2008-0294	Kristin Schachtel	ALT	ALTs by routine small-scale developments to facilitate interpretation and provide necessary repairs at Fort Steele Provincial Heritage Site (DjPv-36)
2008-0295	Heather Pratt	INS	AIA of forestry developments proposed by Western Forest Products Inc. and possible other proponents within the Campbell River FD
2008-0296	private individual	ALT	ALTs to DkSf-2 by upgrading an existing garage, replacement of the house and ancillary developments, Comox
2008-0297	Aidan Burford	INV	Systematic archaeological INVs at HeRc-9, W of Osborn Creek and E of Buick Creek, in the vicinity of Doig IR#206, N of Fort St. John
2008-0298	Remi Farvacque	INS	AIA for MoT's proposed projects in Contract Areas 21 and 22, NE BC
2008-0299	Dana Lepofsky	INV	Archaeological research survey and test excavations in areas surrounding and adjacent to Grace Harbour, including Okeover and Theodosia Inlets, Malaspina Peninsula and Savary Island
2008-0300	Aaron Bible	INS	AIA of proposed forestry developments in FLA19242, A32687 and A75918, North Island-Central Coast FD, located near Seymour Inlet
2008-0301	Elson Canceran	ALT	ALTs to EaQu-10 by installation of a natural gas pipeline by Terasen Gas Inc. extending 2 km along Commonage Road within the community of Carrs Landing, E shore of Okanagan Lake
2008-0302	David Hall	INS	AIA of Township of Langley's proposed sanitary sewer (the Aldergrove Connector) connecting Aldergrove to the main Metro Vancouver Trunk Sewer system including associated facilities
2008-0303	Matthew Begg	INS	AIA of Aeolis Wind Power Corporation's proposed Thunder Mountain Wind Park, SE of Tumbler Ridge
2008-0304	Matthew Begg	INS	AIA of Aeolis Wind Power Corporation's proposed Hackney Hills Wind Park, near Hudsons Hope
2008-0305	Deidre Cullon	INV	Mapping of fish trap complexes and collection and radiocarbon analysis of samples from up to six wooden stakes within the intertidal area and estuary of Black Creek and the beach area NW of Black Creek, approximately 23 km NW of Comox
2008-0306	Sarah Gamble	INS	AIA of EPCOR's proposed Quality Wind turbine project near Tumbler Ridge
2008-0307	Christopher Burk	INS	AIA for a proposed seniors residential subdivision, associated septic system and other ancillary developments proposed by the Union of Spiritual Communities of Christ, in Brilliant
2008-0308	Rob Paterson	INS	Post-impact AIA of seismic programs on behalf of Peace River Hole Cementing and Explorations Services and possible other proponents, within NTS mapsheets 94A, 94B, 94G and 94H, in the Peace River region
2008-0309	Hugh Middleton	INS	AIA of West Chilcotin Forest Product's proposed forestry developments within portions of the Chilcotin, Quesnel, and Vanderhoof FDs
2008-0310	D'Ann Owens	INS	AIA for BC Transmission Corporation's proposed 230 kV transmission line (approximately 12 km), substations and ancillary facilities between Harewood and the Nanaimo River
2008-0311	Kevin Twohig	INS	AIA for a proposed subdivision and residential development of Lot 1, DLs 1878 and 4290, Plan 11979, Lillooet District, located on the SE shore of Lesser Fish Lake near Bridge Lake, approximately 50 km E of 100 Mile House
2008-0312	Bruce Ball	INS	AIA of forestry developments proposed by Sigurdson Brothers Logging in the Central Cariboo, Chilcotin and Quesnel FDs
2008-0313	Barry Wood	INS	AIA for proposed water and sewer projects associated with the development of the Resort at Copper Point, N of Windermere Loop Road and W of Westroc Haul Road, within Lot A DL 1093 and DL 2846, KD Plan 11986, S of Invermere
2008-0314	Kenneth McNicol	ALT	ALTs to DjPs-4 including removal of historic-period human remains by Silver Ridge Developments Ltd.'s residential development at the site of the C.L. Salvador [formerly Ridgemont] School, Lot 1, DL 4589, Kootenay District, Plan 9301, Fernie
2008-0315	Russ Black	ALT	ALTs to EeRh-269, EeRh-270 and EeRh-271 by expansion of the Cache Creek Landfill, Cache Creek
2008-0316	private individual	ALT	ALTs to DgRs-14 by redevelopment of a single-family residential lot, Delta

2008-0317	Aaron Knutson	ALT	ALTs to DcRu-74 by excavation of a 1.45 m-long by 1 m deep service trench for installation of electrical conduit within the r/w of Lagoon Road at the NW corner of Lagoon Road and Ocean Blvd, City of Colwood
2008-0318	David Hall	INS	AIA for proposed design changes to the run-of-river Kwoiek Creek Hydroelectric Project by Kwoiek Creek Resources Limited Partnership, a joint venture between Innergex and the Kanaka Bar Indian Band, extending along Kwoiek Creek to Whyeek IR#4, and its confluence with the Fraser River, S of Lytton
2008-0319	Barry Wood	INS	AIA of 14 proposed drilling sites and ancillary developments for Kennecott Canada Exploration Inc.'s coal licenses E of Fernie in the Coal and Morrissey Creek drainages
2008-0320	Morley Eldridge	INS	AIA for the City of Nanaimo's proposed redevelopment of Mafeo-Sutton Park
2008-0321	Dave Martin	ALT	ALTs to CMT site GeTb-28 by forestry operations proposed by A & A Trading Ltd. in FLA16836 CP 14 Cutblocks B and C, E of the Skeena River between Little Oliver and Legate Creeks, Kalum FD
2008-0322	Dave Martin	ALT	ALTs to CMT site GeTb-18 by forestry operations proposed by A & A Trading Ltd. in FLA16836 CP 14 Block T88121, E of the Skeena River between Little Oliver and Legate Creeks, Kalum FD
2008-0323	Samara King	INS	AIA of forestry developments proposed by BCTS, Babine Business Area, in the Bulkley, Lakes, and Morice TSAs
2008-0324	Casey O'Neill	INS	AIA for Damax Consultants Ltd.'s proposed 128-lot residential subdivision of four contiguous parcels in Maple Ridge, located at 23000, 23024 and 23050 - 136 th Avenue, and at 22875 - 132 nd Avenue
2008-0325	Matt Begg	INS	AIA for the Northern Health Authority's proposed Fort St. John Healthcare Campus within the NW ¼ of Sec 5, Tp. 84, Rge 18, W6M
2008-0326	Ian Franck	INS	AIA to assist land use planning and possible redevelopment of a 16.3 ha area known as the Willingdon Lands, at the SW corner of Willingdon Avenue and Canada Way in Burnaby
2008-0327	private individual	ALT	ALTs to DhRt-6 (Locarno Beach site) by a proposed residential redevelopment in Vancouver
2008-0328	Mike Rousseau	INS	AIA for a proposed 25.5 ha residential subdivision and hotel development within Part of DL 517 shown on plan B256 (Exec. Plans B375 and A634), KDYD, on the E bank of the South Thompson River, S of Chase Creek in Chase
2008-0329	Shauna Huculak	INS	AIA of Pedley Heights Development Corporation's proposed Stoddart Estates development of Pedley Heights, Lot E and Lot F of DL 704, Kootenay District, Plan 4321, located on the E side of Windermere Lake in Windermere
2008-0330	Geordie Howe	INS	AIA of proposed development locations associated with mining operations on the Highland Valley Copper mine property, approximately 40 km SE of Ashcroft
2008-0331	Morley Eldridge	INS	AIA for proposed redevelopment of the Silva Bay Resort and Marina, at 3383 South Road on Silva Bay, E end of Gabriola Island
2008-0332	Geordie Howe	INS	AIA of an undetermined number of proposed forestry operations for Canadian Forest Products and potential other licencees in the Fort Nelson FD
2008-0333	Ewan Anderson	INS	Archaeological inventory and research study, on behalf of BCTS, related to testing and evaluating an archaeological potential model for the Peace Archaeological Overview Assessment, Peace FD
2008-0334	Shane Bond	INS	AIA for a residential property development, Cadboro Bay, Saanich
2008-0335	Remi Farvacque	INS	AIA for oil and gas developments which may be proposed by Canadian Natural Resources Ltd., Petro Canada Oil & Gas Ltd., Suncor Energy Inc., Talisman Energy Inc. and Terra Energy Corp. and possible other proponents, within the Fort Nelson and Peace FDs
2008-0336	Lyle Bolton	ALT	ALTs to CMT sites GfTg-1, GfTg-2, GfTg-3 and GfTg-4, by Kalum Forest Ventures' forestry developments in FLA77424 CP 26 Block 4, Kalum FD
2008-0337	Joanna Brunsden	INS	AIA of forestry blocks proposed by Teal Jones Group - Sandspit Division, including CHAN 03, CHAN 04, CHAN 15, EAST 15, EAST 16, EAST 17 and possible additional blocks
2008-0338	Rick Budhwa	INS	AIA within the Babine River Corridor Park for the Ministry of Environment (Skeena Region), approximately 70 km NE of Smithers
2008-0339	Shane. Bond	INS	AIA for BC Hydro's proposed placement of utility poles, anchors, and ancillary developments for the relocation of a 12 kV overhead power line along East Main Road, from Forebay Dam to Elliot Dam, above the E side of the Jordan River
2008-0340	Remi Farvacque	INV	Archaeological INVs at HbRf-40, S of Fort St. John on the N side of the Peace River
2008-0341	Gordon Mohs	INS	AIA at the north end of Chehalis Lake in the vicinity of a recently destroyed recreation site, Chilliwack FD
2008-0342	Arlene Yip	INS	AIA for Island Berry Company Ltd.'s proposed development at Panama Flats, Lot A, Sec 12, Lake District, and Sec 82, Victoria District, Plan VIP55771 except that part in Plan VIP68425, including a portion of DcRu-1166, at 4112 Carey Road, Saanich
2008-0343	Samara King	INS	AIA of BCTS' proposed 2008-2009 forestry operations in the Peace-Liard business area, Fort Nelson and Peace FD
2008-0344	Ian Franck	INS	AIA for a proposed residential development, on the isthmus between Terrace Beach and Spring Cove, Ucluelet.
2008-0345	Margaret Rogers	INS	AIA for improvements and new construction by BC Hydro at existing or proposed boat launch facilities at the Lower Arrow Lake/ Columbia River Narrows, Upper Arrow Lake and Kinbasket Lake reservoirs
2008-0346	Trevor Hulme	ALT	ALTs to GgRf-5 by construction of Peace River Coal Ltd.'s Trend Bypass Road realignment, S of Tumbler Ridge
2008-0347	Hartley Odwak	INS	AIA of forestry developments proposed by BCTS (Seaward-Istasta Business Unit), spanning parts of Queen Charlotte Strait, Goletas Channel, Johnstone Strait, Broughton Archipelago and adjacent mainland areas, North Island-Central Coast FD

2008-0348	Mike Rousseau	INS	AIA for a proposed 15-acre residential subdivision within Sec 6, Tp 22, Rge 12, W6M, KDYD, approximately in the middle of the N shore of Little Shuswap Lake
2008-0349	Shane Bond	INS	AIA for a selection of sensitive areas associated with the BC portion of the EnBridge Gateway Pipeline and ancillary facilities from Edmonton to Kitimat
2008-0350	Richard Brolly	INS	AIA for Yellowhead Mining Inc.'s proposed Harper Creek Mine, on the watershed divide between Harper Creek and North Thompson River
2008-0351	Ewan Anderson	INS	AIA of forestry operations proposed by Springer Creek Forest Products and possible other forest licensees within the Arrow Boundary FD
2008-0352	Adrienne Marr	INS	AIA for mining activities, including road construction, proposed by Rocher Deboile Minerals Corporation related to the Juniper Creek property on Rocher Deboile Mountain near South Hazelton and Kitsegukla
2008-0353	James Mooney	INS	AIA of forestry projects proposed by Forsite Consultants Ltd and other forestry proponents within the Prince George FD
2008-0354	Richard Brolly	INS	AIA of Westscapes Development Inc.'s proposed Coquihalla Pass Resort W of Highway 5 (Coquihalla Highway) summit approximately midway between Hope and Merritt
2008-0355	private individual	ALT	ALTs to DgRs-7 by construction of a garage, in the Beach Grove neighborhood of Tsawwassen
2008-0356	Michael Wise	ALT	ALTs to CMT sites DfSe-12, DfSe-13, DfSe-14, DfSe-15, DfSe-16, and Sample Tree 8, during Western Forest Products' forestry developments in TFL 44 Block 973308, Coleman Creek, South Island FD
2008-0357	Frank Craig	INS	AIA for small-scale developments proposed by BC Hydro and BCTC such as (but not necessarily limited to) access roads, transmission line, clearing areas, and power pole installations within central-northern BC
2008-0358	private individual	ALT	ALTs to a portion of DgRw-34 by construction of a single-family residence, Cedar
2008-0359	Aaron Bible	INS	AIA for a proposed residential redevelopment in Fanny Bay, vicinity of DiSe-23
2008-0360	Douglas Brown	INS	AIA for two projects proposed by Metro Vancouver: erosion mitigation at two locations on Cedar Creek near Coquitlam Reservoir, and the proposed North Coquitlam Lake Road Deactivation Project at Coquitlam Lake
2008-0361	Chris Engisch	INS	AIA of forestry developments proposed by Kvamua Enterprises Limited Partnership/Capacity Forest Management Ltd. and Western Forest Products Inc., in the North Island-Central Coast FD within the ATT of the Wuikinuxv FN
2008-0362	Duncan McLaren	INS	AIA and monitoring of the effects of routine operation of BC Hydro's Elsie Lake Dam on archaeological sites around Elsie Reservoir, Vancouver Island
2008-0363	Jonathan Fane	ALT	ALTs to CMT sites FIUe-55, -56, -57, -61, -62, -63, and -92 (formerly referred to as part of GaUe-1) & GaUe-2, -3, and -7 by forestry operations in FLA16869, Block STA 028 and construction of the Branch 28 road by Husby Forest Products Ltd., on the N coast of Graham Island, Haida Gwaii FD
2008-0364	Reid Drummond	ALT	ALTs to HbRf-83 by the Phase 4 widening of Alaska Highway 97 within LKI Segment 1180 Fort St. John to Wonowon from Road 271 intersection at LKI Km 5.75 to Nelson Road intersection at Km 9.05, near Charlie Lake
2008-0365	Samara King	INS	AIA of proposed forestry developments by West Fraser Timber Company Ltd. and other potential licensees within the Peace FD
2008-0366	Remi Farvacque	INS	AIA for small-scale developments proposed by BC Hydro and BCTC such as (but not necessarily limited to) access roads, transmission lines, clearing areas, and power pole installations within NW BC, excluding those areas identified as Nisga'a Lands in the Nass Area Overview map
2008-0367	Aidan Burford	INS	AIA for small-scale developments proposed by BC Hydro and BCTC such as (but not necessarily limited to) access roads, transmission lines, clearing areas, and power pole installations within NE BC
2008-0368	Remi Farvacque	INS	AIA for BC Hydro's geotechnical investigations SW of Fort St. John
2008-0369	Beth Hrychuk	INS	AIA of Secure Energy Services' proposed Tupper Landfill in Units 42, 43, 32, 33, 52, 53, Block I, Group 93-P-8, and associated access road, located SE of Dawson Creek and approximately 5.4 km S of Tupper near the BC/AB border
2008-0370	Bruce Ball	INS	AIA of forestry developments proposed by Pioneer Family Timber Partnership in the 100 Mile House, Quesnel, Central Cariboo and Chilcotin FDs
2008-0371	Susan McNeney	INS	AIA of forestry developments proposed by BCTS in their Kamloops Business Area, within Kamloops, Cascades, Headwaters and 100 Mile House FDs
2008-0372	Jim Stafford	INS	AIA of proposed kayak facilities that lie within the Hakai Luxvalis Conservancy and Outer Central Coast Islands Conservancy, that are only within Heiltsuk ATT, all located S and W of Bella Bella
2008-0373	Stuart Barnable	INS	AIA of 0743999 BC Ltd.'s proposed 60-ha light industrial park and 6 km boundary road N of the Prince George Airport
2008-0374	Richard Brolly	INS	AIA of Hydromax Energy Ltd.'s proposed Caribou Creek hydroelectric project near Burton
2008-0375	Rob Paterson	INS	AIA for the City of Dawson Creek's proposed Bearhole Lake Weir Project, Bearhole Lake Protected Area, NTS Mapsheet 093P02
2008-0376	Kevin Twohig	INS	AIA of Yale FN and Lehigh Northwest Materials Limited's exploration for potential commercial aggregate products within various Crown Lands in the vicinity of Hills Bar / Qualark, E side of the Fraser River N of Hope

2008-0377	Victor Jhingan	ALT	Alterations to DgRr-1 by groundwater level testing near 2522 Maple Street, Surrey
2008-0378	Joanna Brunsden	INS	AIA for proposed residential development and upgrading and realignment of a marine railway, Salt Spring Island
2008-0379	Chris Engisch	INS	AIA for an existing single-family residential property and possible improvements, new structures and ancillary development, approximately 15 km SW of Telegraph Creek
2008-0380	Chris Engisch	INS	AIA of forestry developments proposed by the Kitasoo Forest Company Ltd. and Western Forest Products Ltd., within the ATT of the Kitasoo Band Council and within the North Island-Central Coast and the North Coast FDs
2008-0381	Norm Parry	ALT	Alterations to CMT sites FiTe-38 - FiTe-42, by BCTS' timber harvesting activities within the Amos Point Operating Area, Kalum FD, located on Amos Passage at Kildala Arm, ~20 km S of Kitimat
2008-0382	Ewan Anderson	INS	Archaeological inventory of 29 leasehold parcels within Indian Arm (Say-Nuth-Khaw-Yum) Provincial Park, NE of the District of North Vancouver and N of Burrard Inlet, along either side of the N portion of Indian Arm
2008-0383	Rick Matthews	ALT	Alterations to portions of HbRf-2 by the Phase 4 widening of Alaska Hwy#97 within LKI Segment 1180 Fort St. John to Wonowon, from Firehall Road intersection at LKI 108+20.558 to the Old Hope Road intersection at LK 501+10.901 near Charlie Lake
2008-0384	Donna Falat	ALT	Alterations to FaRI-9, -10 and -11 by MoT's proposed widening and improvements to approximately 2.5 km of Hwy#97 E of Williams Lake, from Williams Lake IR to Likely Road
2008-0385	Private Individual	ALT	Alterations to DgRr-1 (Crescent Beach Site) by from installation of a Terasen gas line to a new residence, Surrey
2008-0386	Morley Eldridge	INV	Systematic data recovery and monitoring of DhRx-5 to mitigate impacts from renovations of a single-family residence, Protection Island, Nanaimo Harbour
2008-0387	Chris Engisch	INS	AIA of forestry developments proposed by Bella Bella Asset Holding Ltd. and Western Forest Products Inc., within the North Island-Central Coast FD, within the ATT of the Heiltsuk FN
2008-0388	Robert Milward	INS	Archaeological inventory of a Crown Land leasehold lot on McKinley Lake, approximately 31 km E of Horsefly
2008-0389	Beth Hrychuk	INS	AIA for oil/gas developments proposed by Petro-Canada and potential other proponents within the Treaty#8 Territory encompassed by NTS map sheets 94 G/1 - G/16 (excepting portions of 94 G/2 and G/3 S of the Halfway River), and 94 H/4, H/5, H/12 and H/13 (N of the Beaton River), in the North Peace region
2008-0390	Owen Grant	INS	Archaeological inventory and AIA for a proposed residential development immediately S of Courtenay
2008-0391	Barry Wood	INS	AIA for a proposed 5-lot residential subdivision on a 13 ha parcel (Block B, DL 757, KLD) located at 183 Wardner-Fort Steele Road, approximately 19 km ENE of Cranbrook
2008-0392	Norm Parry	ALT	Alterations to FkTm-8 and -9 by harvesting 2 CMTs in conjunction with forestry operations planned by BCTS at the Captain Cove and Kirkpatrick Mainline r/w within the Captain Cove Operating Area, Skeena Business Area, approximately 18 km E of Kitkatla, North Coast FD
2008-0393	Gary Darrah	ALT	Alterations to DcRu-30 by measures to protect archaeological deposits on Coffin Island, between West Bay and Lime Bay, Lot 32, Victoria District, PID 009327304, Victoria
2008-0394	Ryan Spady	INS	AIA for Taseko Mines Ltd.'s proposed 125 km transmission line from Fish Lake near the Taseko River, to an existing transmission line approximately 4 km SE of Emerald Lake
2008-0395	Peter Vigneault	INS	AIA for the Township of Langley's proposed 64th Avenue/Mufford Crescent Realignment Project connecting 64th Avenue between 204th Street and 216th Street
2008-0396	Joel Kinzie	INS	AIA for Hesperia Development Corporation's proposed multi-unit housing development on a 69 acre property S of Okanagan Avenue in Vernon
2008-0397	Justin Kumagai	ALT	Alterations to DeSd-7 by Western Forest Products' harvest of 16 CMTs within cutblock 683414 in the Walbran Valley near Mount Walbran, between Port Renfrew and Nitnat Lake
2008-0398	Joel Kinzie	INS	AIA for PWGSC's proposed realignment of Alaska Hwy#97 between Steamboat and Summit Springs
2008-0399	Erin Willows	INS	AIA for construction of a single-family residence within DiSe-7, Deep Bay.
2008-0400	Kevin Twohig	INS	AIA for Tony Harris Enterprises' proposed condominium development at 2835 Departure Bay Road, Lot 1, Sec 1, Wellington District, Plan 14826, within DhRx-16, Nanaimo
2008-0401	Ione Brown	ALT	Alterations CMT sites EgSu-22 - 25 inclusive, by Mill & Timber Product Ltd.'s proposed forestry operations within FL A32687, Block 506, North Island-Central Coast FD, about 2 km SE of Nugent Point on Seymour Inlet
2008-0402	Charla Downey	INS	AIA for highway developments that may be proposed within the MoT Peace District 8, encompassing the Peace River region
2008-0403	Mike Rousseau	INS	AIA for Kwoiek Creek Resources Limited Partnership's proposed hydroelectric transmission line from Kwoiek Creek to Mamit Lake
2008-0404	Ty Heffner	INS	AIA for the proposed Glacier-Howser Hydroelectric Generation and Transmission Project, E of the Duncan Reservoir and W of Invermere
2008-0405	Private Individual	ALT	Alterations to DcRu-77 by development of a residence on 3 lots in View Royal, including provisions for emergency data recovery

2008-0406	Clinton Coates	INS	AIA for the MoT's proposed realignment of Hwy#97 at Cargyle Curves, from Km 22.05 to Km 26.01, between Cache Creek and 100 Mile House
2008-0407	Rick Sommer	ALT	Alterations to FiSc-33 and FiSc-96, within TSL A56990 FF-1 S of Lavoie Lake, at 18 km on the S side of the Gold Road, and FJSc-26 within TSL A82577-1, N of Lavoie Lake, at 2.1 km on the Gold 5000 Road, by BCTS' salvage harvest of beetle-killed timber in the Vanderhoof FD
2008-0408	Private Individual	ALT	Alterations to DdRu-37 to complete backfilling around perimeter foundations and related works associated with the construction of a new house, Saanich
2008-0409	Andy Steinke	ALT	Alterations to DkSo-38 by by Western Forest Product's forestry operations within TFL 19, Block H44, near the headwaters of Galiano Creek, E of Tlupana Inlet and Galiano Bay, W coast of Vancouver Island, Campbell River FD
2008-0410	Private Individual	ALT	Possible alterations to EcPx-2 by construction of a single-family residence, Windermere
2008-0411	Brad Drew	ALT	Alterations to DcRv-2 by construction of a kiosk at the S end of a trail at the entrance to Witty's Lagoon Park (PID 001665472), District of Metchosin
2008-0412	Diana Cooper	INS	AIA for a proposed single-family residence, Saanich
2008-0413	Barbara Horrell	INS	AIA for the District of MacKenzie's proposed upgrade to the Philip North Mainline Road from Km 32 to Km 70, including a potential by-pass from Km 32 to Km 40.5, MacKenzie FD
2008-0414	Douglas Hudson	INS	AIA in preparation for BCTS' proposed tender of Cutblocks SL102, SL109, SL112, and SL201 in the Sloquet Creek Drainage, lower Lillooet River valley, Squamish FD
2008-0415	Duncan McLaren	INS	AIA for BC Hydro's proposed diesel generator station and ancillary facilities on the W side of Blind Slough Dam and S of Dewdney Trunk Road, near Stave Falls at the S end of the Stave Lake Reservoir
2008-0416	Jeffery Johnston	INS	AIA for 4 rail developments proposed by Canadian Pacific Railway within S-central and SE BC
2008-0417	Mike Rousseau	INS	Archaeological inventory of a proposed residential subdivision on a property SW of Ashcroft
2008-0418	Peter Merchant	INS	AIA for a portion of YMCA Camp Elphinstone within DL 964 GP1 NWD (PID 009-276-891) in the vicinity of DiRu-2, N of Gibsons
2008-0419	Ian Franck	INS	AIA for a single residential lot, Nanaimo Regional District
2008-0420	Barry Wood	INS	Archaeological inventory of a Crown Lot (that part of DL 9878 Lying N of the Railway RoW Plan 524T1, Kootenay District) proposed for transfer to the City of Cranbrook for use as an Open Space Park Reserve and located near the NW corner of Cranbrook beside the St. Mary's River
2008-0421	Beth Weathers	INS	AIA for a proposed single-lot residential development near the community of Ladysmith
2008-0422	Duncan McLaren	INS	Archaeological inventory, AIA and monitoring the effects of routine operations of BC Hydro's Elsie Lake Dam on archaeological sites in the upper inundation zone and areas up to 30 m above the high pool line of Elsie Reservoir, Vancouver Island
2008-0423	Barbara Horrell	INS	AIA of forestry-related projects proposed by Forsite Consultants and other possible proponents within the Mackenzie FD
2008-0424	Ross Hamilton	ALT	Alterations to GbSc-8 (the Nyan Wheti Trail), by KDL Group's construction of a forest access road to cutblock K1D 010 in the Fort St. James Community Forest, Fort St. James FD
2008-0425	Private Individual	ALT	Alterations to DfRu-70 by a residential development, Galiano Island
2008-0426	Private Individual	ALT	Alterations to DiRi-1 by installation of gas service to a residence, Hope
2008-0427	David Hall	INS	AIA for 5 proposed options for an access road, including a possible bridge crossing of the Birkenhead River, running through Lot 8352 and adjacent Crown Land to the Wenger Property, Lot 1544, above the E bank of the Birkenhead River, N of Pemberton
2008-0428	Barbara Horrell	INS	AIA of forestry operations proposed by BCTS and possibly other licencees (to be specified) within the Williams Lake TSA, encompassing both the Central Cariboo and the Chilcotin FDs
2008-0429	Michael Rousseau	INS	AIA of a property located N of the Cambie-Solsqua Road, east of Sicamous
2008-0430	Ginelle Taylor	INS	AIA for the proposed Anderson River Hydroelectric Project located between Anderson River and the Fraser River, approximately 18 km S of Boston Bar
2008-0431	Barry Wood	INS	AIA for a proposed subdivision and recreational development by Whitetail Lake Land Corporation of SL 168, DL 4596, Kootenay Plan X32, PID 007-936-826, located at Whitetail Lake, approximately 15 km NW of Canal Flats
2008-0432	Shane Bond	INS	AIA for a 3100 m-long portion of Metro Vancouver's proposed South Surrey Interceptor sewer line along the S-facing slope of Panorama Ridge, Trites Road to Coulthard Road Section, City of Surrey
2008-0433	Private Individual	ALT	Alterations to DiSe-23 by demolition of an existing residence and installation of a retaining wall along the shoreline for a residential development at Fanny Bay
2008-0434	Private Individual	ALT	Alterations to portion of DcRt-8 by demolition of outbuildings, removal of concrete slabs, filling of a pool depression, placement of fill, and removal of a tree and hedge vegetation, Victoria

2008-0435	Richard Brolly	INS	AIA for BC Hydro's proposed installation of two segments of a 14.4 kV power distribution line, access roads and facilities to service the communities at Baptiste Smith IR#18, Samahquam IR#1, Sachteen IR#2 and IR#2A, Skookumchuck IR#3, Port Douglas, Lelachen IR #7, Tipella IR#7, and Douglas IR#8, in the lower Lillooet River valley between the N end of Little Harrison Lake and the S end of Lillooet Lake
2008-0436	Beth Hrychuk	INS	AIA of Westcoast Energy Inc. (carrying on business as Spectra Energy Transmission [SET]) proposed Maxhamish Pipeline Loop, within NTS mapsheets 94 O/3, 94 O/6, 94 O/11, and 94 O/14, approximately 58.7 km NW of Fort Nelson adjacent to the Liard Hwy#77
2008-0437	Jan Mongard	ALT	Alterations to DhRx-105 by the City of Nanaimo's redevelopment in Maffeo-Sutton Park
2008-0438	Simon Kalten-rieder	INS	AIA for the City of Grand Forks' proposed waste water lift station and associated infrastructure, including sewer and storm drain pipelines, within a city park between 4th and 5th Streets and S of 72nd Avenue and N of the Kettle River
2008-0439	Gerald Fleming	ALT	Alterations to cRu-0111 by Saanich Parks and Recreation's installation of a new irrigation system in a portion of Gorge Waterway Park, between Austin Avenue and Colquitz Avenue along Gorge Road West, in Blocks 7 and 8 of Parcel D, Plan 1020, Section 21, Victoria Land District
2008-0440	Monty Mitchell	INS	AIA of BCTS' proposed 2008-2009 forestry operations and related land-altering activities in Heiltsuk and Nuxalk First Nations' ATT
2008-0441	Kevin Twohig	INS	AIA for Sairam Development's proposed 38-lot extension to the Forksdale Avenue residential development, on a 4 ha parcel (Lot A, D.L. 121, S. 22, Tp. 91, KDYD, Pl. KAP79511) within the City of Merritt
2008-0442	Dana Evaschuk	INS	AIA of proposed forestry operations by TDB Consultants Inc. for CB A84122-1, immediately N of Saxton Lake, Prince George FD
2008-0443	Trevor Egley	ALT	Alterations to EaSp-14 to remove a single hazardous CMT for Western Forest Products' forestry operations in TFL 37, CB WS102, along Clint Creek near Woss
2008-0446	Private Individual	ALT	Alterations to DgRs-2 deposits within the R/W of an access road from the N side of South Tsawwassen Drive across 8 m of Hwy#17 to a new road to 16th Avenue, Tsawwassen
2008-0447	Chris Burk	INS	AIA of forestry developments proposed by Louisiana Pacific Canada Ltd, within FL A18669 (Anstey and Perry River watersheds), Okanagan Shuswap FD
2008-0448	Margaret Rogers	INS	AIA and monitoring for the District of North Cowichan's proposed storm water collection and filtering system in Genoa Bay, at the NW entrance to Cowichan Bay
2008-0449	Diana Alexander	INS	AIA for Canadian Hydro Developers Incorporated's proposed St. Leon Hydro-electric Project on the E side of Upper Arrow Lake approximately 23 km NNW of Nakusp
2008-0450	Nicole Nicholls	INS	AIA of a 2.9 ha parcel of Crown Land adjacent to the Whispering Pines Trailer Park on the W bank of the Columbia River at 500, 16th Avenue, Genelle
2008-0451	Dick Heath	ALT	Alterations to DhRx-6 by erosion control measures, including the placement of armour rock, capping soil and a new retaining wall along the beach front at the E end of the site within Newcastle Island Provincial Marine Park
2008-0452	Bonnie Campbell	INS	Archaeological inventory and AIA for the District of Saanich's reconstruction of Roy Road between Dalmeny Road and Clinton Place, along the N edge of Panama Hill Park, encompassing the Panama Flats locality, ISaanich
2008-0453	Bonnie Campbell	INS	AIA for the MoTI's Hoffman's Bluff Four-Laning Project, proposed widening of Hwy#1 between Pritchard and Chase
2008-0454	Private Individual	ALT	Alterations to DeRu-36 by a residential development, North Saanich
2008-0455	Beth Hrychuk	INS	AIA of Westcoast Energy Inc. (carrying on business as Spectra Energy Transmission [SET]) proposed Salmon River Revetment Project, on NTS mapsheet 93 J/2, approximately 25 km N of Prince George, 3.5 km E of Hwy#97 and 4 km N of the Fraser River
2008-0456	Diana Alexander	INS	AIA for Canadian Hydro Developers Incorporated's proposed Mica Gold Hydro Project located on Kirbyville Creek, Pat Creek and Soards Creek, on the W side of Lake Revelstoke N of Revelstoke
2008-0457	Todd Paquin	INS	AIA for the proposed Ellis Creek Park, Penticton
2008-0458	Private Individual	ALT	Alterations to DgRr-1 by removal of existing structures and lot preparation at Crescent Beach, Surrey
2008-0459	David Hall	INS	AIA of proposed forestry operations by Ainsworth Lumber Ltd. within CP 244, in the Ama, Moon, Camoo Creek Drainage areas NW of Lillooet, Cascades FD
2008-0460	Jim Stafford	INS	AIA for Kwagis Power L.P.'s proposed Kokish River Hydroelectric Project, including intake and diversion structures, penstock, powerhouse, borrow pit, road, bridge and transmission line improvements, and ancillary facilities, near the Kokish River between Ida Lake and Beaver Cove
2008-0461	Private Individual	ALT	Alterations to DgRr-1 (Crescent Beach Site) by installation of gas service, Surrey
2008-0462	David Hall	INS	AIA for two parking lots proposed by VANOC on either side of Cheakamus Lake Road, overlapping parts of DL 1689 and DL 3638, Resort Municipality of Whistler
2008-0463	Shane Bond	INS	AIA for planned reconstruction of a hotel-restaurant complex by Eagle Rentals on Lot A, DLs 101 and 101A, Newcastle District, and DL 2003, Nanaimo District, Plan VIP65343, located at 2751 West Island Highway, Qualicum Beach
2008-0464	Morley Eldridge	INS	AIA of damage to DgRw-3 by excavation of a utility trench, Gabriola Island

2008-0465	Shane Bond	INS	AIA for proposed upgrading of the intersection at Admirals and Colville Roads, E of Pilgrim Cove off Esquimalt Harbour, Municipality of Esquimalt
2008-0466	Joel Kinzie	INS	AIA for a 30x30 m area at the southern terminus of FortisBC's proposed electrical power line on the S side of Gallagher Canyon, approximately 4 km SE of Kelowna
2008-0467	Sue Grainger	ALT	Alterations to CMT site GdSb-5 by Chuzghun Resource Corporation's forestry operations in John Prince Research Forest Block C [Block 59], Fort St. James FD
2008-0468	Steven Killin	INS	AIA for Westcoast Energy Inc. (carrying on business as Spectra Energy Transmission [SET]) proposed Cabin Lake Looping Pipeline, within NTS mapsheets 94 P/4 and 94 P/5, NE BC
2008-0469	John Cormier	INS	AIA for Westcoast Energy Inc. (carrying on business as Spectra Energy Transmission [SET]) proposed Sandy Creek Pipeline, within NTS mapsheets 94 O/11, 94 O/12 and 94 O/14, NE BC
2008-0470	Ian Cameron	INS	AIA for the MOTI's proposed sale of the "Cottonwood Lands" (PIDs 002-818-451, 002-818-477, 014-508-451, 007-476-621, 007-476-647, 007-476-655, 012-943-908, 014-508-397, 012-944-157, 013-301-080 and 010-263-071), located between the Haney Bypass and Cottonwood Drive, in Maple Ridge
2008-0471	Private Individual	ALT	Alterations to DiRi-1 by excavation of a trench for a natural gas line to a residence in Hope
2008-0472	Margaret Rogers	INS	AIA for residential developments in Ganges Harbour, Salt Spring Island
2008-0473	Kevin Twohig	INS	Archaeological inventory and preliminary AIA for a property with a portion of DhSb-4, on the W side of the Englishman River, W of Shelly Road within the community of Parksville
2008-0474	Zoltan Schafer	ALT	Alterations to CMT sites DhSI-148, DhSI-149, DhSI-150, DhSI-151, DhSI-152, DhSI-153, DhSI-154, DhSI-155, DhSI-156, DhSI-157, DhSI-158, DhSm-92, DhSm-93, DhSm-94, DhSm-95, DhSm-96, and DhSm-97 by Ma-Mook Natural Resources Ltd.'s forestry operations in TFL 54 Blocks C1, C2 and C4 near Bawden Bay and Cypr Bay, Clayoquot Sound, South Island FD
2008-0475	Peter Merchant	INS	AIA for Stl'ixwim Renewable Energy's proposed hydroelectric projects along the Tzoonie River on the Sunshine Coast
2008-0476	Deb Becelaere	ALT	Alterations to DcRu-1159 along Hart Road, by construction of a retaining wall and placement of topsoil and plants to reduce soil erosion, Town of View Royal
2008-0477	Simon Kaltenrieder	INS	AIA of Lot 9 of Block D of Lot 612, KDYD, Plan 11425 (PID 009-496-335), within the community of Seymour Arm at the N end of Seymour Arm, Shuswap Lake
2008-0478	David Hall	INS	AIA of forestry operations proposed by Interwest Timber within FL A80509, CP 7, in the Botanie Valley, N of Lytton
2008-0479	Desi Cheverie	ALT	Alterations to FbRf-10 by construction of a wheelchair-accessible fishing dock adjacent to the boat launch at the Tisdall Lake Recreation Site, on the E shore of the lake, approximately 79 km E of Williams Lake and S of Horsefly Lake
2008-0480	Rina Gemeinhardt	ALT	Alterations to CMT sites FbSx-23 - 32 and 34 - 53 during forestry operations by Bella Bella Asset Holdings Ltd. in Blocks JC5, JC6, JC7, JC8, JC9, JC11 and JC17, within NRFL A84652 on the W side of Johnson Channel on Cunningham Island, North Island-Central Coast FD
2008-0481	Beth Hrychuk	INS	AIA for the NEB-regulated Spectra Energy Transmission proposed Grizzly Pipeline Loop, located ~20 km W of Tumbler Ridge and ~50 km SW of Chetwynd
2008-0482	Beth Hrychuk	INS	AIA for the NEB-regulated Spectra Energy Transmission proposed 5 km SET Brazion Connector Road, located ~64 km NW of Tumbler Ridge and ~42 km SW of Chetwynd
2008-0483	Ian Cameron	INS	AIA for the District of Maple Ridge's proposed improvements to Lougheed Highway in the vicinity of Tamarack Lane, River Road and 105th Avenue, including construction of a 3 rd eastbound lane, modifications to delta islands at intersections, installation of a median barrier, and improvements to intersection street lighting, Maple Ridge
2008-0484	Wilfred McKenzie	ALT	Alterations to CMT sites GdTc-75 - 78 inclusive, by Kitselas Forest Products Ltd's forestry operations in FL A77426, Block 2 of CP 18, Kalum FD, ~15 km E of Terrace
2008-0485	Private Individual	ALT	Alterations to DiSc-29 by Terasen Gas' installation of gas service lines, Parksville
2008-0486	John Drazic	ALT	Alterations to DhRx-49 by construction of a deep well anode bed in a park at the E end of Mount Benson Street at Newcastle Avenue, Nanaimo
2008-0487	Howard Aikman	ALT	Alterations to CMT site DiSr-85, in FL A19231, Block E18, Campbell River FD, on the NW corner of Nootka Island 15.25 km SW of Zeballos
2008-0488	Douglas Brown	INS	AIA for BC Hydro's Reservoir Archaeology Program at Coquitlam Reservoir, located approximately 8 km N of Port Coquitlam
2008-0489	Private individual	ALT	Alterations to DgRs-7 by installation of replacement natural gas service to a residence in Delta
2008-0490	Marianna Cervantes	INS	AIA for Terra Energy Corporation's proposed oil/gas developments in NTS map sheets 93I/1-3, 7-16, 93J/9 and 16, 93O/1, 7-16, 93P/1-16, 94A/1-16, 94B/1-16, 94I/1-16, 94J/1-16, 94O/1-16 and 94P/1-16, NE BC
2008-0491	John McLaughlin	ALT	Alterations to CMTs at ElSw-31, -32, -33, -35, -36, -38, -39, -45, -40, -41, -42, and -43, by forestry activities conducted by Bella Bella Asset Holdings Ltd. within FL A79508, Block 9264 (about 1 km W of Nootum River confluence with Burke Channel) and Block 9259 (about 1 km W of Breakwater Cove and E of Draney Lakes) in Burke Channel, North Island - Central Coast FD
2008-9004	Bonavista Petroleum	ALT	Alteration to HdRk-19 that may occur by construction of wellsite 13-8-88-24

2008-9005

EnCana
Corporation

ALT

Alterations to leRh-8 that may occur by construction of access to wellsite a-9-B, 94-l-14 and subsequent pipeline to tie in unit 99, Blk J, 94-l-11

CONFERENCES & EVENTS

CANADIAN ASSOCIATION FOR PHYSICAL ANTHROPOLOGY, 37th Annual Meeting
Vancouver, B.C.

October 28-31, 2009

Info: <http://www.sfu.ca/~mcollard/CAPA2009.htm>

SOCIETY FOR AMERICAN ARCHAEOLOGY, 75th Anniversary Meeting
St. Louis, Missouri

April 14 - 18, 2010

Info: <http://www.saa.org/>

CANADIAN ARCHAEOLOGY ASSOCIATION

Thunder Bay, Ontario

May 13 - 17, 2010

Info: <http://www.canadianarchaeology.com/>

NORTHWEST ANTHROPOLOGICAL CONFERENCE

Central Washington University

Ellensburg, Washington

Spring 2010

Info: <http://www.class.uidaho.edu/nwaa/>

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