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THE MIDDEN

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Dragon Lake
Chaledony Quarry on the Nechako Plateau
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THE MIDDEN

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MIDDEN

Volume 34 No. 2, 2002

In this issue

What Lies Beneath: Excavations at Dragon Lake <i>by Marianne Berkey</i>	2
The Jenyo Quarry: A Chalcedony Quarry Site on the Nechako Plateau <i>by Nicole Jackman-Craig</i>	6
<i>The Archaeology Education Handbook: Sharing the Past with Kids</i> edited by Karolyn Smardz and Shelley J. Smith <i>reviewed by Teresa Trost</i>	8
Debitage	9
Permits January to July 2002	10
News Items	20
Ehibits	20
Conferences 2003 – USA	inside back cover
Conferences 2003 – Canada	outside back cover

Cover Page

Dragon Lake. FfRo 23. EU #1 in foreground and EU#3 in background. See article by Marianne Berkey starting on the next page.

END OF AN ERA

The Midden is experiencing an end of an era as we say goodbye to some of our editorial team.

In the summer, Monica Karpiak stepped down as our Publications Editor. We sincerely thank Monica for her two and a half years of commitment to the *Midden*, and the great effort she invested in keeping our readers informed of recent publications.

We are also sorry to say goodbye to both Fred and Helmi Braches. Fred has handled *Midden* subscriptions for seven years, and has done the *Midden* production for the last six years. His hard work and tremendous skill has helped turn the *Midden* into a more professional looking publication.

Helmi has served in every position on the ASBC executive over the last 26 years, including two terms as President. She has been our Assistant Editor for three years, and has devoted endless hours to polishing the material published on these pages. Fred and Helmi's enthusiasm, skill, and their dedication to the ASBC and the *Midden* will be greatly missed.

We wish Monica, Fred, and Helmi well in all their future endeavors, and we will miss them tremendously as we produce future issues of the *Midden*.

Heather Myles, Editor

WHAT LIES BENEATH

EXCAVATIONS AT DRAGON LAKE

by Marianne Berkey

A great portion of the archaeological work undertaken in this province is mitigative or consulting archaeology, related to proposed developments. The reality of mitigative archaeology is that research design is constrained by the plans of developers who are required to follow the letter of the law but normally have little interest in funding projects, particularly outside their proposed impact zone. So, financial resources are funnelled toward managing only those sites that may be in direct conflict with proposed developments. This approach has had positive results in the identification of many archaeological sites in remote locations but investigation of these sites is normally limited to the minimum necessary for recording and registering the site. Sites found in conflict with development are managed according to their assessed significance, within the limits of the governing legislation.

The potential difference between the assessed significance of a subsurface site at the inspection stage and its true content and complexity is explored in this article. Sites are not usually subject to in-depth investigation unless impacts to the site are unavoidable. Small subsurface sites, initially thought to be of low significance, may have more to contribute in the course of further research, as the following example from the Quesnel area illustrates.

Background

In the fall of 2000, archaeological investigations were conducted under Heritage Inspection Permit #2000-305, at the Dragon Lake IR 3 site, FfRo 23. This is a small subsurface lithic scatter site located on the northwest shore of Dragon Lake approximately 4.5 km east of Quesnel, BC (Arcas 2000).

FfRo 23 was initially recorded during a 1997 archaeological impact assessment (AIA) of a proposed road upgrade project. At that time, the scientific significance of

FfRo 23 was evaluated as low to moderate. This evaluation was based on characteristics of the site revealed during the AIA, including the limited spatial extent of the site and the low density of cultural materials. The AIA report notes a lack of formed tools, exotic materials, and identifiable faunal remains at FfRo 23. The level and extent of the disturbance resulting from previous road and drainage ditch construction was thought to have effectively diminished the potential scope of further studies. Despite these drawbacks, the location of the site on the northwest shore of Dragon Lake, near its outlet, was noted in the impact assessment report as a factor that increased its predicted scientific significance (Arcas 1997).

All the other pre-contact sites recorded in the vicinity of Dragon Lake are located on the east or south shores of the lake. Excavations had previously taken place at two other pre-contact sites: at FfRo 4 in 1977 (Thomas 1977) and at FfRo 10 in 1979 (Lawhead 1980). These earlier excavations were also conducted in order to mitigate road upgrades. Although an effort was made at relative dating, no directly dateable material was recovered during these earlier excavations. Referring to the antiquity of FfRo 10, Lawhead (1980:65) notes that:

The artifacts from around Dragon Lake indicate that this area has been utilized for a long time. Several "early" point styles have been noted in local collections and the large point...from Cluster 1 at FfRo 10 has similar characteristics. Microblades are common, but the chronological history of this tool type in the Central Interior is not well understood.

With regard to site function, Lawhead (1980:65) suggests only that the area was "probably used seasonally by small family groups." Further interpretations were hampered by the lack of good stratigraphic data.

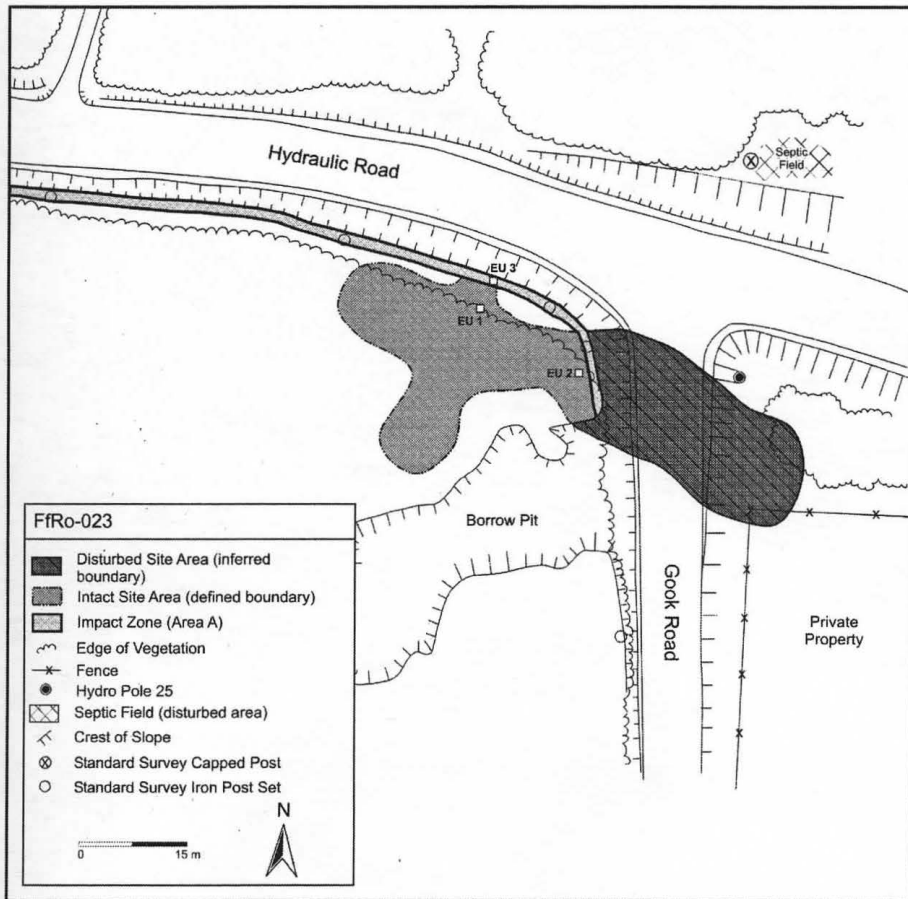
FfRo 23 is located in an area rich in resources. Positioned on the northwest shore of Dragon Lake, near its outlet, only 5 km from two major rivers, the Fraser and the Quesnel, the site location would have offered several advantages to its pre-contact residents. The lake and creek would have supplied a reliable source of potable water. Locally available plant resources include many food plants such as berries and nuts. Beaked hazelnut, black twinberry, and highbush cranberry are present on the site today. Other useful plants, such as trees and brush for construction materials, would have been readily available. Both small and large game occupied the Dragon Lake area and the hunting of these animals would have contributed to the food supply of residents at this site.

The lake has also provided a reliable source of freshwater fish. A recent ethnographic study of the local Southern Carrier community, the Red Bluff Band, describes people ice fishing on Dragon Lake in the winter, and fishing from canoes in the spring and early summer before heading to the major rivers in late summer for the salmon run. Dewhurst, in his Aboriginal Sustenance Impact Assessment (Archeo Tech Associates 1993:27) notes that:

When the ice left in early spring, families visited lakes and creeks to fish whitefish (*lhwewh*), suckers (*goosbai* and *delgiyas*), ling (*tsintelh*) and trout (*tuk'i*). Trout were caught with a pole and line, and the other fish were taken in nets. Families caught these fish in Dragon Lake (*Slughun*, 'big snake') and in the creeks that flow into and out of Dragon Lake. GL [an informant] recalled that on Dragon Lake families fished from dugout cottonwood canoes; they would smoke dry the fish for later use, until mid-July when the sockeye salmon came up the Fraser River.

and,

During the winter, families also got fresh fish from ice fishing on the lakes. Nets were



Site FfRo 23: disturbed and intact site areas.

put under the ice to catch whitefish and suckers. Sturgeon were caught in lakes by means of hooks and lines. The Red Bluff fished through the ice on Dragon Lake (Archeo Tech Associates 1993:33).

Dragon Lake is in a unique position to provide ease of access to major fishing spots on the Fraser River. Although no specific mention was made of fish weirs or traps at the outlet of Dragon Lake in the ethnographic sources, the outlet would be a logical location for intensive fishing activity.

Dragon Lake itself is a remnant of a much larger glacial lake that existed in this area roughly 10,000 years ago after the Fraser Plateau was deglaciated. FfRo 23 is situated on top of old lake bed sediments. Matrix observed in the lowest layer of the site, during the excavations, is consistent with expected lacustrine sediments. Artifacts and other cultural material such as animal remains were deposited on and imbedded directly into clay lacustrine sediments. Clay sediments were also observed at the base of the excavated sites on the east and south shores of Dragon Lake (FfRo 4 and FfRo 10).

FfRo 23 Excavations

The excavation at FfRo 23 consisted of two days of fieldwork conducted in the fall of 2000 with a small crew ranging from two to four people. Funding limited the mitigation to three 1 m² units. The excavation of these units recovered a total of 62 artifacts including both formed tools and debitage. The artifacts were split fairly evenly between two major sedimentary layers, Layer A (39 percent) and Layer B (58 percent), with the densest clustering of artifacts recovered in the top few centimeters of Layer B in Excavation Unit #3. All of the recovered artifacts were made from stone and were produced by flaking. Three raw materials were identified: basalt, obsidian, and quartz. Basalt was most common, making up 90 percent of the assemblage, and ranged from coarse to fine-grained in quality.

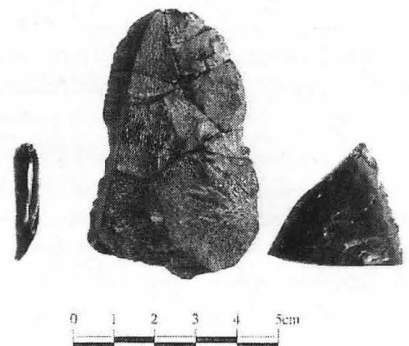
Formed tools account for a small portion (n=3 or 4.8 percent) of the lithic assemblage from FfRo 23, all recovered from Layer A. One obsidian microblade, one basalt biface with medial indentations, and one unifacially retouched basalt flake

scraper fragment completes the formed tool assemblage from these excavations.

The small assemblage and, equally small, excavated area renders analysis regarding the distribution and function of these artifacts difficult. Overall, the lithic assemblage is comparable to that found at both FfRo 4 and FfRo 10, particularly to the latter, where formed unifaces, bifaces, microblades, and retouched flake tools were reported.

The obsidian microblade shows discontinuous microflake scars on one lateral margin, when viewed microscopically, but it is unclear whether this represents use-wear or simply accidental chipping resulting from other factors. Microblades are produced using a specific manufacturing technology that requires the careful preparation of a core from which a series of small parallel-sided blades can be removed in succession. The resulting blades are small, sharp cutting tools, which can be hafted and used in a number of ways including cutting hides or any other soft materials, such as those used in basketry or cordage (Hutchings 1996:174).

Greaves (1999) explored several questions regarding microblade technology and its relationship to the subsistence-settlement behaviour of pre-contact people in the southern Interior Plateau. Greaves (1999:208-210) found that microcore technology was associated with both residential camps and field camps and that the resulting microblades appear to have been used for a variety of activities, more often related to food processing and tool/utensil manufacture than to food procurement.



Formed tools: obsidian microblade (left); basalt biface (centre); basalt scraper fragment (right).

The source of the obsidian used in making this microblade has not been determined but the nearest known source of obsidian to Dragon Lake is Anahim Peak, located 220 km southwest, in Southern Carrier territory. The presence of obsidian at this site likely indicates a trade system that allowed the site inhabitants access to finer raw materials than was locally available. Alternatively, people who used this site may also have travelled long distances at times to visit relations and collect raw materials (Furniss 1993).

Microblades, or possible microblades, have been reported for a number of sites in the Quesnel area, including Tezli, Natakus Lake, Ulgatcho, Punchaw Lake, Pantage Creek, and at FfRo 10 on the south shore of Dragon Lake. Unfortunately the precise chronological history regarding microblade technology in this region remains obscure, so this artifact alone cannot shed light on the age of the site.

The biface is a large modified flake with the majority of shaping flake scars on the dorsal side. The medial indentations appear intentional and may represent a modification for the purpose of hafting the tool. Grinding and polishing is evident on all lateral margins of this tool, indicating use wear. The basalt biface was recovered in seven pieces, which were later refit in the laboratory. The pieces were recovered in one quadrant of Excavation Unit #2, and had not been scattered or lost over time, suggesting that the biface may have been deposited whole, and broken later by trampling or some heavy object, such as machinery, moving over the site.

Grinding and polishing is also visible on the retouched edge of the unifacial scraper fragment, which is triangular in shape with one broken lateral margin, one with cortex, and one with steep unifacial retouch. The scraper fragment may have been broken during use and the tool subsequently discarded by the site inhabitants.

Debitage accounts for the largest portion of the recovered lithic assemblage from FfRo 23 ($n=59$ or 95 percent). The lithic debitage falls into three categories: platform-remnant bearing (PRB) flakes ($n=39$), flake shatter ($n=17$), and block shatter ($n=3$).

A small number of faunal remains were recovered during the excavations in one concentration. An excavation unit was de-

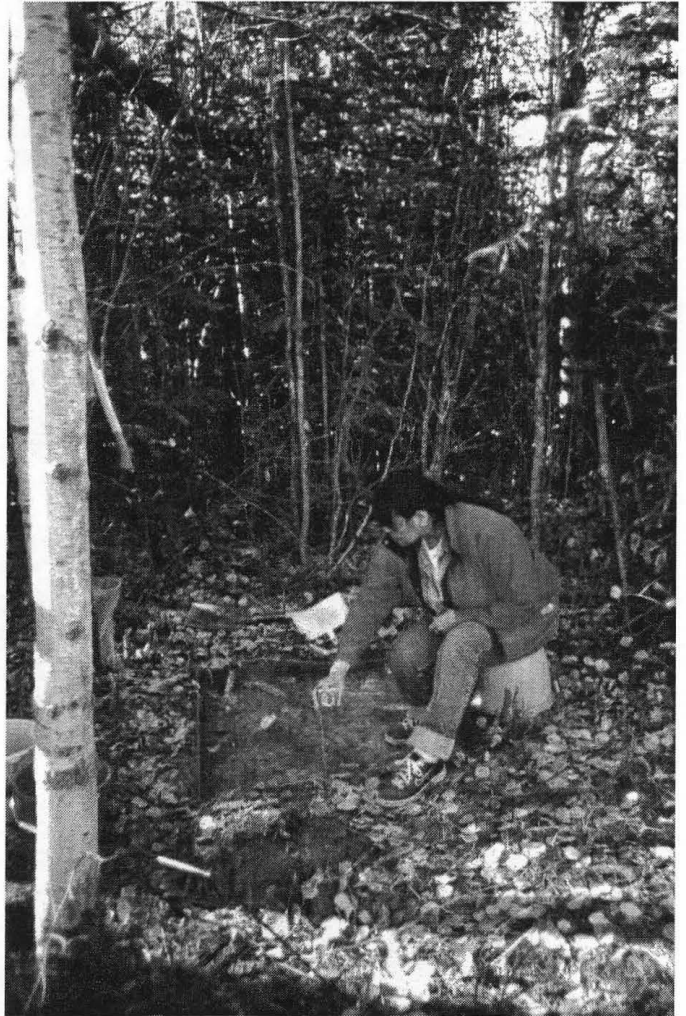
liberately placed in an area where burned bone fragments were reported during the 1997 AIA, with the hope of recovering identifiable fauna or dateable material. Fragmentary bone was collected from three quadrants of this unit.

All the bone appeared to be from one or more medium- or large-sized mammals and most was burned (calcined). One bone fragment was identifiable to taxon and element; this was the distal articular surface of a metapodial (foot bone) from a large artiodactyl, likely elk or caribou. This, the largest, bone fragment was used for a radiocarbon dating sample described below.

The presence of a concentration of burned mammal bone suggests that a distinct area of activity involving the processing and cooking of meat occurred within and possibly also to the northwest of Excavation Unit #3.

The bone fragment was submitted to the Beta Analytic laboratory in Florida for AMS radiocarbon dating. The conventional radiocarbon age of this bone sample is 1870 ± 40 years BP. The calibrated calendar date, with a 95 percent probability, lies between AD 60 and 240, which is thought to represent an early date for this site.

The bone sample, weighing 4.1 g, was recovered from the lowest sedimentary layer of the site. Initially submitted for bone collagen dating, the bone proved to be degraded, either through groundwater leaching or microbial activity. The sample was subsequently dated using bone organics providing a minimum age for the sample. There are no leaching materials present at the site that would contain car-



FfRo 23. EU #2, Fiona Boucher.

bon older than the sample (e.g., coal), therefore the sample is considered to provide a reliable result regarding its minimum age.

Discussion

Some interpretations regarding site function can be made based on the results of this investigation together with the available ethnographic information and the overall context of the site. There is evidence for repeated use of the site area through time, since cultural material was uncovered at depths ranging from 0 to 24 cm below surface in two distinct sedimentary layers. The low density of artifacts suggests that use of the site was not intensive. The duration of residence at FfRo 23 is not clear, but based on the ethnographic sources, the Dragon Lake area was probably visited for at least brief periods during winter and throughout spring and into early summer.

It is likely that a variety of activities, associated with procurement and processing of food and other materials, occurred at this site. The processing of hunted game is supported by the presence of burned bone and cutting and scraping tools. These tools may also have been used for processing fish. It is likely that fishing-related activities were taking place at this site considering its location relative to the lake and its outlet, even though no fish remains were recovered. The absence of fish remains may be due to the poor preservation of organic materials in acidic soils. As noted above, ethnographic sources describe the use of Dragon Lake for fishing at several points during a yearly seasonal round.

The scientific significance of Dragon Lake IR 3 site, FfRo 23, was rated as low to moderate in the report for the 1997 AIA. The predictions made in 1997 regarding overall site complexity were largely borne out during the subsequent excavation project, however documentary research and site content yielded several pieces of information that bring insight not only to the history of FfRo 23 but to that of the surrounding area and its archaeology. It may be argued that further investigation at the site revealed enough additional information to increase the assessed scientific significance of the site.

The fundamental site characteristics listed in the 1997 AIA report included the low density of cultural materials, and the lack of complex internal stratification, human remains, or cultural features. In this respect the excavation results are consistent with those predicted during the AIA. However, in contrast to the AIA results, formed tools were discovered at this site during the excavations and one of these, the microblade, may prove to be temporally diagnostic once future research sheds more light on the chronological history of microblade technology in this area. Exotic materials are present at FfRo 23. Obsidian is considered to be exotic to the site since the nearest known source for obsidian is at Anahim Peak. Also, despite the poor condition of the faunal remains, there was one identifiable mammal bone fragment recovered from the site, which also proved suitable for radiocarbon dating.



FfRo 23: Excavation of EU #2. Fiona Boucher at screen, Brian Pegg in unit.

This bone sample is the only directly dated material from the Dragon Lake area. Based on the results of this investigation, the scientific significance assessment for this site was re-evaluated and increased.

This short investigation revealed several aspects to this site that were not apparent during the AIA and allowed for more consideration of the site history than was feasible, or expected, during the 1997 inspection. Although the AIA succeeded in its overall predictions, further research allowed for an exploration into the history of the site and a more meaningful contribution to the archaeology of the area.

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THE JENYO QUARRY

A CHALCEDONY QUARRY SITE ON THE NECHAKO PLATEAU

by Nicole Jackman-Craig

In 1986 George Labrash, a natural history buff and long-term resident of the Vanderhoof area, made a remarkable find while on a hunting trip. He discovered a rocky hillside covered in white and pink chalcedony bedrock outcrops, deep depressions excavated into the slope, and scatters of chalcedony flakes and cores in upturned tree throws. Mr. Labrash recognized the area as an archaeological site. Ten years later he recorded his discovery, naming it the Jenyo Quarry Site. The phrase "jen yo" means bull moose in the Carrier language (Gracie John and Mary John Jr. 1999). The Archaeology Branch subsequently designated the site FISb 6. Later that same season Arne Carlson and his field crew mapped and recorded the site in detail.

The Jenyo Quarry is situated on a large natural deposit of white and pink chalcedony overlooking a wetland to the west and a small creek to the south. Features at the site include 32 cultural depressions measuring from 1.0 m to 6.5 m in diameter. The majority of depressions were dug into the rocky slope, and consequently interpreted as quarrying holes excavated to retrieve cobbles of chalcedony for stone tool manufacture. Several of the depressions at the site were identified as cache pits based on their size, shape, and location in softer, deeper soils than the quarry holes. The single largest cultural depression situated at the top of the hillside was tentatively interpreted as a house pit pending further archaeological investigation.

Large amounts of both cultural material and natural deposits of chalcedony are visible projecting through the moss and duff layer, as well as in tree throws at FISb 6. Lithic material identified at the locale includes thousands of unmodified flakes, retouched flakes, core remnants, and non-flake debitage fashioned from white, pink, and grey chalcedony. Unfortunately no



Antler gaming piece identified at the Jenyo Quarry site.

diagnostic artifacts were identified at the site during archaeological investigations. A cache of cores and flaking detritus was recorded at the east end of the site, perhaps representing a work station where the initial reduction of nodules into useable and transportable pieces took place (Carlson 1997).

Recently, a resident of nearby Stony Creek brought forward an antler artifact found at the site. The artifact was identified by a Saik'uz elder as a gaming piece used in a traditional pastime. The context of the antler artifact is unknown, however the piece may be relatively young based on its condition.

The bedrock outcrop of chalcedony at the Jenyo Quarry is covered by a thin layer of glacial till, with surrounding tills varying in depth. Isolated pieces of unmodified chalcedony were identified as far away as 1 km from the quarry site in glacial till and along roadways. It appears that the chalcedony deposit was covered by glacial ice, and subsequently nodules of the material were broken up and incorporated into the till of the surrounding landscape.

A second lithic raw material resource procurement site FISb 55 was identified by the author in 1999 in response to forestry developments. FISb 55 is a small site located approximately 1 km north of the Jenyo Quarry, along the margin of a small lake. The finds from this site consist of lithic debitage and a chipped stone tool, as well as many large unmodified nodules of white and pinkish chalcedony present under the moss layer and visible in tree throws. Two hundred and eighty-five

flakes of white and pink chalcedony were identified in shovel tests and tree throws at the site. A pink chalcedony biface and a single basalt flake were also present in a shovel test. Although no features were identified, a large pre-1846 CMT site of cambium stripped pine is located immediately west of FISb 55.

FISb 55 probably served as an area for procuring lithic material for tool manufacture. The relatively large deposit of chalcedony at FISb 55 likely originated from the deposit at the Jenyo Quarry site area. The chalcedony deposits at FISb 55 are thinner than those at the quarry site (FISb 6), and probably resulted from the movement of glacial ice north over the landscape and across the outcrop at the Jenyo Quarry. The area would have also been an excellent location for hunting because the site is situated on the margin of a small lake with a large, marshy buffer along the shoreline.

The Carrier people of the area have long known of the significance of the Jenyo Quarry site. Elders from Saik'uz recall stories of their parents and grandparents collecting stone material in this area. Furthermore, Jenness (1943) makes reference to a legend concerning white stone used for making tools that may relate to the site.

White and pink chalcedony is a commonly identified lithic raw material at archaeological sites in the central Vanderhoof Forest District (Carlson 1995; Carlson et al. 2000; Craig et al. 2000). The Jenyo Quarry appears to be a major quarrying and tool manufacture site, and remains the only archaeological quarry site recorded in north-central BC. The Jenyo Quarry must have been of paramount importance to the Carrier people of the area in pre-contact times, and it remains a culturally and spiritually significant site to the present day.

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Tree throw showing subsurface deposits of unmodified chalcidony.



Cores and unmodified chalcidony nodules visible on the site surface around a single CMT.



Chalcidony nodules identified on the ground surface at the site.

BOOK REVIEWS

The Archaeology Education Handbook: Sharing the Past with Kids

Edited by KAROLYN SMARDZ and SHELLEY J. SMITH

Altamira Press, 2000. 447 pp. illus., apps., refs. Price: ISBN 0-7425-0253-8, (Pb) \$34.95 US; ISBN 0-7425-0252-X, (Cloth) \$75.00 US

The editors of *The Archaeology Education Handbook: Sharing the Past with Kids*, Karolyn Smardz and Shelley J. Smith, view archaeological education as a means to increase cultural heritage stewardship within the general public. Therefore, the book focuses primarily on education of grades K-12, a large "captive" audience with great influence on public attitudes. The editors compiled this volume to address a perceived lack of reference materials for archaeological educators, be they archaeologists (in the field or academia), classroom teachers, museum educators, etc.

Smardz and Smith bring together the experience of 34 archaeological educators to explore topics related to public archaeology, which inherently includes archaeological education. Twenty of the 34 authors have been involved with the Society for American Archaeology's Public Education Committee. Each educator has contributed a chapter to the book with individual chapters ranging in format from editorials or theoretical discussions to practical approaches in archaeological education.

This review presents a few major themes in the book and some of the issues concerning archaeological education raised by the authors. One theme is that the archaeologist is responsible for incorporating archaeology into the classroom primarily by providing educators with relevant teaching materials. Part I of the text explores topics related to the development of teaching materials including learning styles, children's cognitive and moral development, administration and funding in public schools, and curriculum standards.

To the contributors' credit, the information provided acts more as a navigational device within Canada's and the United State's school systems versus being minutiae that may become obsolete.

Another theme is that archaeological education is targeted to a diverse audience. Two chapters deal specifically with the heterogeneity (e.g., learning styles, mental and physical aptitudes, languages, ethnicities, etc.) within K-12 classroom audiences. Part III, "The Danger Zones: Issues in Teaching Archaeology," is partially devoted to the presentation of concepts that may run counter to personal beliefs such as science v. religion or the archaeological record v. oral tradition. Some of the writings imply that archaeological education is taught within the context of cultural relativism in order to manage this aspect of archaeological education. Considering the many theoretical perspectives adhered to by archaeologists when interpreting the archaeological record, this viewpoint seems simplistic. K. Anne Pyburn has her own misgivings. In her chapter, she includes a brief discussion regarding the danger of not distinguishing between cultural relativism and "ethical relativism." Debate, such as Pyburn's, over the politics inherent in cultural relativism is not going to end. A weakness in the book is that only brief mention is made of programs that failed due to inclusion of controversial topics. Learning what has not worked is often more beneficial than learning what has.

The perception of archaeology from those outside the profession is another thread running through the book. Within the discourse on public perception lies the debate regarding public excavation and how archaeologists often assist in the portrayal of archaeology as a treasure hunt. Does public excavation serve only to ingrain the image of the archaeologist as a digger while putting our cultural resources at risk? Three chapters are allocated to this topic each presenting a different approach (no excavation, simulated excavation, public excavation) for teaching ar-

chaeology. Even though one of the editors wrote the chapter promoting public excavation, readers are left to form their own opinion. Chapters 7 and 8 address the influence the media have on public perception by focusing on where teachers obtain their information on archaeology.

Assessment is another major theme. The editors advocate that we begin to assess if archaeological education has impacted the public's perception of archaeology and cultural stewardship. Are we focusing our efforts effectively? Chapter 13 takes a more fundamental approach by providing practical advice on how to assess educational programs. The lack of assessment of archaeological education programs is noticeable in the text. Chapters making mention of specific programs are written by insiders, those that developed and implemented the program. It would be beneficial to include the perspective of external observers.

The book raises issues that are relevant to any archaeologist, as those that do archaeological education by default deliver a message to the public regarding the entire profession. Peter Stone, in his introduction to Part IV, asks questions the archaeological profession must contend with, such as: will a more informed public want greater control over how archaeology is done? And assuming the former is true, how should archaeologists ensure the correct messages are communicated via public archaeology? These issues are not central to developing educational materials but are a required component of this book because they highlight effects of public archaeology not necessarily apparent to the educator.

The Archaeology Education Handbook touches upon many more topics than this review has space to address. The topics of museum exhibits, archaeological parks, research/educational centres, computer-based learning, and environmental education each comprise a chapter. However, these subjects are fields of study in themselves; therefore, the information presented is not exhaustive. The book also contains bits of wisdom and practical ex-

ercises anyone doing public archaeology must use (e.g., permission to have a youth's picture or name publicized) or can easily adopt. The editors' choice to include annotated lists of related reading material at the end of most chapters makes this book an invaluable reference manual (as an aside, most Web sites noted are still functioning). After reading this book, a person delivering a one-time 45-minute presentation may not need to do further research; however, for those developing widely applicable programs, the text should be viewed as a foundation from which to begin their work.

Teresa Trost

Teresa Trost is in the MA program at Simon Fraser University. Her thesis research is the faunal analysis of a late prehistoric shell midden site in Burrard Inlet, BC. Her interests include zooarchaeology, spatial analysis, public archaeology, the Northwest Coast, and the Great Basin.



Fred and Helmi Braches at their home in Whonnock

SO LONG!

After 26 years on the executive, I have left active service in the ASBC, and I am grateful to Heather for giving me this space for a few parting words.

Looking back at more than a quarter century of working for the ASBC and at the free lectures we have offered to the public—perhaps the main tool to fulfil our objective to further knowledge about archaeology—I would like to recognize two groups.

We wouldn't have been able to offer these lectures without the continued support of especially the academic community who have provided the bulk of our speakers. It is to you that I am directing my thanks: our "godfather" Roy Carlson, Phil Hobler, Knut Fladmark, Jon Driver, Al McMillan, Cathy D'Andrea, Ross Jamieson, Catherine Carlson, Stan Copp, R.G. Matson, David Pokotylo, Richard Pearson, Mike Blake, Colin Grier, and from Classics: Jim Russell, Hector Williams, Lisa Cooper, and forgive me if I cannot name everyone here. Many of you gave more than one talk over the years and have supported the ASBC in other ways as well. Thank you to all of you!

The other "group" I want to mention are you, the members. Without your continued support, even if it is just by maintaining your membership, the ASBC wouldn't exist. Over the years I have come to know many of you personally: Bill Lane, one of our very early presidents, and his wife Betsy, Gladys Groves, Eileen and Ron Sutherland, Bill Paull, Reet Kana, Ian Paterson, Eileen Hertzman, Helen Smith, Vic Scott, Margo Kendall, Gary Holisko, Ruth Nesbitt, Glen Chan, Robin Hooper, Art Goyer, Ann Ferries, and again: I can't name you all. Every time I see one of you faithfully appearing at a meeting I am pleased. To you, too, I'm extending my thanks, and I look forward to seeing you at future meetings.

Helmi Braches

Helmi Braches was president of the ASBC from 1982 to 1984 and from 1998 to 2000. She also was treasurer, recording secretary, membership secretary, programs coordinator, chapter liaison, projects chair, assistant Midden aditor, and has been looking after coffee, Midden subscriptions, SocNotes...

DEBITAGE

Joshua Ryan Woiderski was the 2002 winner of the Richard Broly scholarship awarded at Simon Fraser University. His paper is entitled "Meadowcroft Rockshelter: The geological context of radiocarbon dates and possible sources of contamination based on sedimentary analysis."

Miriam Clavir's book *Preserving What is Valued: Museums, Conservation, and First Nations*, is now available in paperback for \$29.95 from UBC Press.

In the Archaeology Department at Simon Fraser University, **Rob Commisso** successfully defended his MA thesis on 8 July 2002. His thesis is entitled: "Foliar delta 15N as an Indicator of Anthropogenic Sediments."

At the Museum of Anthropology (MOA), Professor **Ruth Phillips**, Director of MOA since 1997, began a one-year sabbatical on 15 July 2002. Acting in her place is Professor Emeritus **Michael M. Ames**, MOA's former Director from 1974 to 1997.

ISSUED BY ARCHAEOLOGICAL PLANNING AND ASSESSMENT

The assistance of Ray Kenny (Manager, Archaeological Planning & Assessment) and Alan Riches (Administrative Clerk) in providing this information is gratefully acknowledged. Permitted project descriptions as provided by Archaeological Planning & Assessment have been edited for brevity and clarity.

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 explained here. *Permit types:* ALT = Alteration; INS = Inspection; INV = Investigation; *Archaeological project types:* AIA = Archaeological Impact Assessment; AIS = Archaeological Inventory Study; PFR = Preliminary Field Reconnaissance; SDR = Systematic Data Recovery; *Forest industry terms:* CMT = Culturally Modified Tree; CP = Cutting Permit; FD = Forest District, FL = Forest Licence; FSR = Forest Service Road; MoF = Ministry of Forests; SBFEP = Small Business Forest Enterprise Program; TFL = Tree Farm Licence; TL = Timber Licence; TSA = Timber Sales Area; TSL = Timber Supply Licence. *Other government agencies:* DFO = Department of Fisheries and Oceans; DINA = Department of Indian and Northern Affairs; MELP = Ministry of Environment, Lands and Parks; MEMPR = Ministry of Energy, Mines and Petroleum Resources; MoTH = Ministry of Transportation and Highways; *First Nations concerns:* ATT = Asserted Traditional Territory; FN = First Nation; *Legal title descriptions:* DL = District Lot; LD = Land District; Rge = Range; R/W = right-of-way; P/L = pipeline; Sec = Section; T/L = transmission line; Tp = Township

2002-001	Gary Hackett	ALT	Possible alterations to DhRs 1 by geotechnical testing on properties at 1314 and 1324 SW Marine Drive, Vancouver
2002-002	Owen Grant	INS	AIA for proposed marina and trailer park on McMullen Point, N of Campbell River, Lot 1677, Sayward LD
2002-003	Hartley Odwak	INS	AIA of Weyerhaeuser's forestry operations to the Klinaklini River, Knight Inlet, Port McNeill FD
2002-004	Tella Sametz	ALT	Alterations to DjRw 1 by residential development within Lot 5 of DL 1158, Group 1, Plan 18696 (6319 Marmot Road), Sechelt
2002-005	Andrew Mason	INV	Systematic data recovery (mitigative excavation) of DgRs 1 (Crescent Beach site) at 2971 McBride Avenue, Surrey
2002-006	Darrell Barron	ALT	Alterations to EIR1 4 by upgrades to BCFS Recreation Site at Chimney Lake
2002-007	Lindsay Oliver	INS	AIA of Cattermole Timber Ltd.'s forestry operations within FL A19202, Cut Blocks 207, 208, 210, 401, and 402, Chilliwack FD
2002-008	Mike Rousseau	INV	Systematic data recovery at EeR1 21, Seton Lake
2002-009	Jim Stafford	INS	AIA of J.S. Jones Timber's forestry operations within Blocks SHEL 01 and 03, LONG 36, COPP 27 and 34, and CHAN 02, all located in TFL 47 on the N end of Moresby Island and the S end of Graham Island, Queen Charlotte Islands, Queen Charlotte Islands FD
2002-010	Keary Walde	INS	Pre- and post-AIA of Devon Canada Corporation, Canadian Natural Resources, Coastal Oil and Gas, Suncor Energy Inc., and other petrochemical companies' oil/gas developments within the Dawson Creek FD
2002-011	Peter Merchant	INS	AIA of International Forest Products Ltd. (Southern Operations and Campbell River Operations), Weyerhaeuser - Stillwater Timberlands, Canadian Forest Products Ltd., Terminal Forest Products Ltd., and other licencees' forestry operations within the ATT of the Sechelt Indian Band, Sunshine Coast FD
2002-012	Heather Pratt	INS	AIA of Western Forest Products (Gold River and Zeballos Operations) forestry operations within TFL 19, FL A19231, Campbell River FD
2002-013	Al Andersen	ALT	Alterations to CMTs within GfRu 1 and GfRu 2, by forestry operations in FL A18165, CP 20C-4, located W of War Lake, Prince George FD
2002-014	Heather Pratt	INS	AIA of TFL Forest Limited (Johnstone Strait Operations, Middlepoint/North Island Region) forestry operations within portions of TFL 47, FL A29159 and Timber Operations TO 883, located on Vancouver Island and associated islands, within the Campbell River FD
2002-015	Robert Ballinger	ALT	Alterations to CMTs 1-8 within GbTd 1, by Skeena Sawmills' forestry operations within Block Area 19A, TL 0971, located in the Scully Creek area, approximately 3 km SE of Lakelse Lake, Kalum FD
2002-016	Heather Pratt	INS	AIA of Weyerhaeuser Limited (West Island Timberlands) forestry operations within DL 363, Flores Island, South Vancouver Island FD
2002-017	Sheila Minni	INS	AIA for installation of an underground oil line and above-ground oil tank at St John the Divine Church, on Lot 11, Parcel A, Block 18, Section 14, Township 7, Range 26, W6M, YDYG, Townsite of Yale
2002-018	Richard Whysker	ALT	Alterations to DcRt 8 by residential construction excavation and ancillary development at 3120 Humber Road, at Loon Bay in the Municipality of Oak Bay

2002-019	Cameron Simpson	ALT	Alterations to 8 individually-identified CMTs within GhSo 25 by Houston Forest Products Company's forestry operations within FL A16827, MOR8, Morrison IRM Unit, Morice FD
2002-020	Gail Wada	INS	AIA for proposed branch road extending from Chilliwack Bench FSR (Branch 1, SUP S22835) to private property N of the Chilliwack River-Slesse Creek confluence
2002-021	Ron Wood	ALT	Alterations to DhRr 6 by tree removal and replanting by the Parks Department, Greater Vancouver Regional District, at Belcarra Regional Park
2002-022	Michael Siclari	ALT	Alterations to 10 individually-identified CMTs within FITe 22, FITe 23, and FITe 24 by Skeena Sawmills' forestry operations in Block M-M-16 and by construction of the Kitimat West Mainline, W shore of Kitimat Arm, S of Bish Creek, approximately 14 km S of Kitimat, Kalum FD
2002-023	Keary Walde	INS	Pre- and post-AIAs of Devon Canada Corporation, Canadian Natural Resources, Coastal Oil and Gas, Suncor Energy Inc., and other petrochemical companies' oil/gas developments within the Fort St. John FD
2002-024	Michael Siclari	ALT	Alterations to CMTs #29-33 within FITe 21 by construction of the Kitimat West Mainline located on the W shore of Kitimat Arm, S of Bish Creek, approximately 14 km S of Kitimat, Kalum FD
2002-025	Hartley Odwak	INS	Site inventory and AIA of Weyerhaeuser's forestry operations within Cut Block Areas 8614, 8615, and 8740, on North Broughton Island in Tracey Harbour and Sotlej Channel, adjacent the Broughton Archipelago, Port McNeill FD
2002-026	Keary Walde	INS	Pre- and post-AIA of Devon Canada Corporation, Canadian Natural Resources, Coastal Oil and Gas, Suncor Energy Inc., and other petrochemical companies' oil/gas developments within the Fort Nelson FD
2002-027	Lindsay Oliver	INS	AIA of Cattermole Timber Ltd.'s forestry operations within FL A19202, Cut Blocks 35-4, 35-10, 35-1, on the Nahatlatch River, Chilliwack FD
2002-028	Geordie Howe	INS	AIA and inventory of forestry operations within the Squamish FD
2002-029	Andrew Mason	INS	Site inventory and AIA for proposed bridge across Coquitlam River, within Lots 1 and 2 (Sec 13, Tp 39, NWD, Plan 11892), and Lot 8 (Sec 13, Tp 39, NWD, Plan 25461) on the W side of the river, and That Portion of Fractional Legal Subdivision 14, Sec 13, Tp 39, lying E of the Coquitlam River, NWD, Coquitlam District Municipality
2002-030	Harley Odwak	INS	AIA of Weyerhaeuser's proposed forestry operations within TFL #39, Blocks 3 and 27, and within FLA 19244, FLA 49542, TO 309, TO 318, TO 344, TO 355, TO 382, TO 405, TO 425, TO 433, TO 444, TO 458, TO 465, TO 487, TO 516, TO 563, TO 682, TO 698, TO 701, TO 715, and TO 718, located on islands (Broughton Island, Gilford Island, Harbledown Island, North Broughton Island, Turnour Island, Village Island, Watson Island, and others) in the Broughton Archipelago and on the adjacent mainland coast region (including Bond Sound, Kingcome Inlet, Knights Inlet, Sotlej Channel, Thompson Sound, Wakeman Sound), all within the Port McNeill FD
2002-031	Kevin Twohig	INS	Site inventory and AIA of Riverside Forest Products Ltd.'s forestry operations E of the Fraser River, within the 100 Mile House, Horsefly and Williams Lake FDs
2002-032	Beth Hrychuk	INS	Pre- and post- construction AIA of BP Canada Energy Company, AEC Oil and Gas Co. Ltd., Northstar Energy Corp.(and possibly other clients to be identified) oil/gas developments within NTS map sheets 93 I/1-2, 93 I/7-16, 93 H/16, and 93 J/16 NE BC
2002-033	Beth Hrychuk	INS	Pre- and post-construction AIA for Anadarko Canada Ltd. and other proponents' oil/gas developments located in areas covered by NTS map sheets 94 G/9-16, W of the Sikanni River and 94 H/13, N of the Sikanni River, NE BC
2002-034	Beth Hrychuk	INS	Pre- and post-construction AIAs for Husky Oil Operations Ltd., Waberski Darrow Survey Group, and other proponents' oil/gas developments in areas covered by NTS map sheets 94 H/9-11 and 94 H/14-16, inclusive, vicinity of Gutah Creek and the Kahntah and Etthithun Rivers, NE BC
2002-035	Beth Hrychuk	INS	Pre- and post-construction AIAs for Pioneer Natural Resources Canada Inc. and other proponents' oil/gas developments in areas covered by NTS map sheets 94 H/4-5, 94 H/12-13 (N of the Beaton River and S of the Sikanni River), and 94 G/9 and 94 G/16 (E of the Sikanni River), NE BC
2002-036	Beth Hrychuk	INS	Pre- and post- construction AIA of oil and gas developments by Anadarko Canada Corporation (and possibly other clients, to be identified) within NTS

			map sheets 94 G/1-3, 94 G/6-8, and the E halves of map sheets 94 G/4-5, NE BC
2002-037	Duncan McLaren	INS	AIA for waterline upgrades proposed by the Greater Vancouver Regional District within and/or adjacent to the boundaries of DhRp 37, in Derby Reach Regional Park
2002-038	Monty Mitchell	INS	AIA of International Forest Product's forestry operations in the vicinity of Moses Inlet, Rippon Island, and Security Bay, overlapping with the ATT of the Gwa'Sala-Nakwaxda'xw and Oweekeno FNs, Mid Coast FD
2002-039	Bob Johnson	ALT	Alterations to DcRt 10 by installation of a stone wall and landscaping activity, consisting of the placement of fill and planting trees, at 2730 Thorpe Place, Victoria
2002-040	Beth Hrychuk	INS	Pre- and post-construction AIA for Anadarko Canada Corporation and other proponents' oil/gas developments in areas covered by NTS map sheets 94 I/1-12 and 94 J/1-12, in the vicinity of the Fontas and Muskwa rivers, NE BC
2002-041	Beth Hrychuk	INS	Pre- and post-construction AIA for Burlington Resources Canada Energy Ltd. and other proponents' oil/gas developments in areas covered by NTS map sheets 94 N/1-16, 94 O/3-6, 94 O/11-14, 94 J/13-14 all within NE BC
2002-042	Beth Hrychuk	INS	Pre- and post-construction AIA for Pioneer Land Services Ltd., Waberski Darrow Survey Group, Talisman Energy Inc. and other proponents' oil/gas developments in areas covered by NTS map sheets 94 A/3-5 (all N of the Peace River and W of the Halfway River); 94 B/1-15 and 94 O/16 (N of the Peace River); all within NE BC
2002-043	Beth Hrychuk	INS	Pre- and post-construction AIA for AEC Oil and Gas, Waberski Darrow Survey Group, and other proponents' oil/gas developments in areas covered by NTS map sheets 94 H/2-6 (located E of the Beatton River); 94 B/8-10, 94 B/15-16 (located E of the Halfway River); 94 A/1-4 (located N of the Peace River, W of the Beatton River and E of the Halfway River); 94 A/5-7, 94 A/10-15 (located W of the Beatton River and E of the Halfway River); all within NE BC
2002-044	Brian Hayden	INV	Archaeological excavation at EeR1 7, Keatley Creek near Lillooet
2002-045	Normand Canuel	INS	AIA of Weldwood Canada Ltd. and other licensees' forestry operations within the Quesnel FD
2002-046	Jeff Bailey	INS	AIA of proposed MoF/Chilliwack FD upgrades and extension of the Winslow Creek Road, N of Stave Lake
2002-047 and	Owen Grant	INS	AIA of Tolko Industries Ltd, Weldwood of Canada Ltd, Slocan Group Ltd., other licensees' forestry operations administered by Tecfor Resources Ltd. within the Quesnel FD
2002-048	Doug Perdue	ALT	Alterations to CMTs within FhRm 6, in TFL #53, CP 186 Blocks 22 and 24, Ahbou Lake, Prince George FD
2002-049	Davin Jaatteenmaki	ALT	Alterations to FbSr 12 by International Forest Products Ltd.'s forestry operations in TO 959, Block 303, South Bentinck Arm, Mid-Coast FD
2002-050	Normand Canuel	INS	AIA of Canadian Forest Products Ltd. and other licensees' forestry operations within the Prince George FD
2002-051	Beth Hrychuk	INS	Pre- and post-construction AIA for Pioneer Natural Resources Canada Inc. and other proponents' oil/gas developments in areas covered by NTS map sheets 94 A/1-2 (N of the Peace River), 94 A/7-10, 94 A/15-16 (E of the Beatton River), 94 H/6-8, all within NE BC
2002-052	Beth Hrychuk	INS	Pre- and post-construction AIA for Burlington Resources Canada Energy Ltd. and other proponents' oil/gas developments in areas N of the Peace River and including NTS map sheets 94 P/1-16 (all N of the Peace River); 94 O/1-2, 94 O/7-10, 94 O/15-16; 94 J/15-16; and 94 I/13-16, all within NE BC
2002-053	Beth Hrychuk	INS	Pre- and post-construction AIA for Calpine Canada Resources Ltd., Star Oil & Gas Ltd. and other proponents' oil/gas developments in areas S of the Peace River and W of the B.C./Alberta border, including NTS map sheets 93 O/1, 93 O/7-16, 94 A/1-4, 94 B/1-4, and all of 93 P, all within NE BC
2002-054	Chris Engisch	INS	Inventory and AIA of Husby Group of Companies' forestry operations within the Queen Charlotte Islands FD
2002-055	Gail Wada	INS	AIA of Northwest Hardwoods (Weyerhaeuser Company Ltd.) forestry operations within Cut Blocks 32-1, 32-1A and 32-2 - 32-9 inclusive, vicinity of Mahood Creek approximately 15 km W of Hope, Chilliwack FD
2002-056	Diana Alexander	INS	Inventory and AIA of the New Haven Correctional Centre in Burnaby Parcel A (Reference Plan 7878), DL 164, Group 1, NWD, and Lot 24 (Plan 29518), DL 164, Group 1, NWD
2002-057	Veronica Cadden	INS	AIA of Plateau Forest Products Ltd. and other licensees' forestry operations within the Vanderhoof FD

2002-058	Richard Brolly	INS	Inventory and AIA of Western Forest Products Ltd. and other licensees' forestry operations within the Chilliwack FD
2002-059	Jean Bussey	INS	AIA of Aspect Energy Ltd.'s and Burlington Resources Canada Ltd.'s oil/gas developments in NE BC
2002-060	Doris Zibauer	INS	AIA of West Fraser Mills and other licensees' forestry operations within the Williams Lake, Horsefly, 100 Mile House, and Chilcotin FDs
2002-061	Ty Heffner	INS	AIA of Tolko Industries Ltd. and other licensees' forestry operations within the Chilcotin and Williams Lake FDs
2002-062	Janine Elo	ALT	Alterations to: all CMTs within GgSi 2; CMTs 261-263, 350, 601-606 within GgSi 3; CMTs 401-413 within GgSi 4; CMT 3B-36 within GgSi 5, and; CMT 3B-54 within GgSi 6, by forestry operations in TSL A64432, Block 47, SBFEP/Leo Creek Operating Area, Fort St James FD
2002-063	Kevin Robinson	INS	Inventory and AIA for the purposes of training students in the Resource Inventory Committee certificate program at various known sites in Namgis FN ATT, on and adjacent to central NE Vancouver Island
2002-064	Kevin Twohig	INS	Inventory and AIA of Riverside Forest Products Ltd.'s forestry operations W of the Fraser River, in portions of the Chilcotin and Williams Lake FDs
2002-065	Marianne Berkey	INS	AIA of Weldwood of Canada Ltd., West Fraser Mills Ltd., and other licensees' forestry operations within the Quesnel and Prince George FDs
2002-066	Eric McLay	INV	Expeditious assessment of reported "accidentally found human remains" (2002-6B) at the "Coon Bay" locality, Dionisio Point Provincial Park on Galiano Island, and implementation of appropriate conservation measures for materials exposed and disturbed by erosion of exposed shell midden; corresponds with recorded location of DgRv 6
2002-067	Kevin Twohig	INS	Inventory and AIA of Lignum Ltd.'s forestry operations E of the Fraser River, in portions of the 100 Mile, Horsefly, and Williams Lake FDs
2002-068	Kevin Twohig	INS	Inventory and AIA of Weldwood of Canada Ltd. (Williams Lake Operation) forestry operations throughout selected parts of the Horsefly, Quesnel, and Williams Lake FDs
2002-069	Ty Heffner	INS	AIA of Tolko Industries Ltd and other licensees' forestry operations within the Quesnel FD
2002-070	Darcy Mathews	INS	AIA of International Forest Products (West Coast Operations) forestry operations within FL A19232, in the general area of Chamiss Bay and Moyah Bay, Campbell River FD
2002-071	Geordie Howe	INS	Inventory and AIA of MoF/SBFEP, Apollo Forest Products Ltd., and other licensees' forestry operations within the Fort St. James FD
2002-072	Melanie Hill	INS	AIA of proposed and existing oil and gas developments by Andarko Canada Corp., Petro Canada Oil and Gas Ltd., Penn West Exploration Ltd., Alberta Energy Corp., and possibly other proponents within the Fort Nelson FD
2002-073	Chris Le Fevre	ALT	Installation of creosoted wood piles into subsurface deposits at DgS1 76, located within the footprint of proposed condominium developments in Lot A, Plan VIP72298, DL 115, located at 151-161 Eik Road, Tofino
2002-074	Bjorn Simonsen	INS	Inventory and AIA for Mill and Timber Products Ltd.'s forestry operations within the Seymour Inlet, Nugent Sound, and Belize Inlet areas, Port McNeill FD
2002-075	Dave Schaepe	INV	Expeditious assessment of reported "accidentally found human remains" (2002-7B) at the edge of the Fraser River on the N side of Sumas Mountain, and implementation of appropriate conservation measures for materials exposed and disturbed by river bank erosion; corresponds with recorded location of DgRm 1 (<i>Liyomxetel</i>)
2002-076	Barry Wood	INS	AIA of MoF/SBFEP, Tembec Forest Resource Management (Sparwood, Elko, and Cranbrook Operations), Galloway Lumber Co. Ltd., Silenus Resource Management, and other licensees' forestry operations within the Cranbrook FD
2002-077	Marianne Berkey	INS	AIA of West Fraser Mills Ltd. and other licensees' forestry operations within the Kamloops, Clearwater, and Salmon Arm FDs
2002-078	Kevin Twohig	INS	Inventory and AIA of forestry operations by the UBC Alex Fraser Research Forest in the Knife Creek and Gavin Lake blocks, Horsefly and Williams Lake FDs
2002-079	Andrew Mason	INS	Inventory and AIA for proposed subdivision of Lots 1-2, the E 10 feet of Lot 6-12, Plan 2732, and of Lot 13, Ref. Plan 3072, all of Block 11, DL 1372, NWD, Savary Island.
2002-080	Chris Engisch	INS	Inventory within and adjacent to the inundation zone of Comox Lake, Vancouver Island

2002-081	Doug McRae	ALT	Alterations to CMTs #4-5 within GaTl 1 and CMT #6 within GaTl 2 by Bell Pole Company forestry operations on behalf of Terrace Pre-Cut Mill Ltd., in TSL A60586, CP 2, Cut Block A, located on Ecstall River at the mouth of Cuthbert Creek, North Coast FD
2002-082	Robert Ballinger	ALT	Alterations to 53 recorded CMTs within FkTd 3 by Skeena Sawmills' forestry operations in Block 14-100-2, TFL #41, located on the S side of Kidala Arm, Douglas Channel, Kalum FD
2002-083	Shane Baker	ALT	Alterations to CMTs within FjSr 10 by Houston Forest Products Ltd.'s forestry operations in FL A16827, Whitesail Development Unit WSL2B, Morice FD
2002-084	Chris Engisch	INS	Inventory and AIA for property development on Block A, DL 1830, Coast Range 1, Staples Island, in Queen Charlotte Strait, off NE Vancouver Island
2002-085	Kevin Twohig	INS	Inventory and AIA of Lignum Ltd.'s forestry operations W of the Fraser River in portions of the Chilcotin and Williams Lake FDs
2002-086	Vicki Feddema	INS	AIA for a hydroelectric project proposed by Innergex Canada Inc., adjacent to the Tsable River, near Buckley Bay on the E coast of Vancouver Island
2002-087	Rob Field	INV	Investigation of 40 underwater targets identified within Canadian waters along the Georgia Strait Crossing pipeline corridor between Cherry Point, Washington Point, and Hatch Point on the E shore of Vancouver Island
2002-088	Rob Field	INS	AIA of Pacific Inland Resources and other licensees' forestry operations within the Bulkley/Cassiar FD
2002-089	Monty Mitchell	INS	AIA of MoF/SBFEP forestry operations within the Mid Coast FD
2002-090	Gabriella Prager	INS	AIA of MoF/SBFEP forestry operations within the Pentiction FD
2002-091	Bonnie Campbell	INS	AIA of Weldwood of Canada Ltd. and other licensees' forestry operations within the 100 Mile FD
2002-092	Steve Ricketts	ALT	Possible alterations to the N end of DhRx 16, located S of the intersection of Departure Bay Road and Hammond Bay Road in Nanaimo, by creation of a right-turn lane on Departure Bay Road and trench excavation for installation of a new water main connection
2002-093	Hartley Odwak	INS	AIA of Western Forest Products Ltd.'s forestry operations within Cut Block Area 48-191, on the S shore of Johnstone Strait between Naka and Teissum creeks, Campbell River FD
2002-094	Doris Zibauer	INS	AIA of joint Ainsworth Lumber Company - Ts'kwa'aylaxw Forest Company forestry operations within CP 190, near Milkbranch Creek, NE of Pavilion
2002-095	Darcy Mathews	INS	AIA of International Forest Products (Campbell River Operations) forestry operations within Cut Block CC04, located on the E side of Charles Creek Valley, N side Kingcome Inlet, Port McNeill FD
2002-096	Terry Clark	INS	AIA for proposed expansion of the Fulford Harbour ferry terminal within the vicinity of DeRu 40, Saltspring Island
2002-097	Chris Harker & Merton Moriarty	ALT	Alterations to DdRu 4 by trench excavation for installation of sewer lines at 9229 and 9221 Lochside Drive, Sidney
2002-098	Mike Marley	ALT	Alterations to DcRt 18, located on Lots 25, 36, and 37 at the intersection of Beach Drive and Orchard Avenue in Oak Bay, by construction of a new building and related service lines
2002-099	Frank Craig	INS	AIA of MoF/SBFEP, Apollo Forest Products, and other licensees' forestry operations within the Fort St. James FD
2002-100	Doris Zibauer	INS	Pre- and post-construction AIAs of proposed and existing oil/gas developments for Eagle Valley Research Ltd, and other proponents operating within the Peace River and Fort Nelson-Liard Regional Districts, NE BC
2002-101	Melanie Hill	INS	AIA of Petro Canada Oil and Gas Ltd., Talisman Energy Inc., and other proponents' oil/gas developments within the Mackenzie FD
2002-102	Hartley Odwak	INS	AIA of LeMare Lake Logging Ltd.'s forestry operations within FL A59539, in the East Creek and Kinney Creek drainages, adjacent Klaskino Inlet, Klaskish Inlet, and Brooks Peninsula, NW Vancouver Island
2002-103	Chris Engisch	INS	Inventory and AIA of Western Forest Products' forestry operations within those portions of TFL 25 Block 5 and FL A16845 that fall solely within the ATT of the Heiltsuk FN, Mid-Coast FD
2002-104	Frank Craig	INS	AIA of MoF/SBFEP, L&M Lumber Ltd., Plateau Forest Products Ltd., and other licensees' forestry operations within the Vanderhoof FD
2002-105	Mark Thom	ALT	Alterations to CMTs within HbSs 4 and HbSs 8 by Takla Forest Management Inc.'s forestry operations for Canadian Forest Products Ltd., on the Sustut River, Fort St. James FD
2002-106	Joe Daly	ALT	Alteration to DcRu 23 and DcRu 24 by construction activities associated with the Cook Street to Holland Point path relocation, Victoria

2002-107	Hugh Middleton	INS	AIA of MoF, Tembec Forest Resource Management, Slocan Forest Products, and other licensees' forestry operations within the Invermere FD
2002-108	Barry Wood	INS	AIA of MoF, Tembec Forest Resource Management (Creston Operations), J.H. Huscoft Ltd., Wydell Box and Lumber Company Ltd., Creston Valley Forest Corporation, and other licensees' forestry operations within the Kootenay Lake FD
2002-109	Dave Schaepe	INV	Data recovery from disturbed deposits associated with DgRn 23, located at 35087 Loughed Highway, DL 476, NWD, in Mission
2002-110	Ken Schwab	INS	AIA of Suncor Energy Inc., Husky Oil Operations Ltd., Petro Canada Oil and Gas Ltd., El Paso Oil & Gas Canada Inc., and possibly other clients' oil/gas developments, within the Dawson Creek FD
2002-111	Karen Brady	INS	AIA of Tsi Del Del Enterprises Ltd., Riverside Forest Products Ltd., Lignum Ltd., and other licensees' forestry operations within the Chilcotin FD
2002-112	Steve Chambers	ALT	Alterations to recorded CMTs within DkSr 39, DkSr 40, DIsr 55, DIsr 56, DIsr 57, DIsr 58, and DIsr 59 by forestry operations within Weyerhaeuser Blocks 8612 and 8624, FL A19225, located near Brodick Creek, Nootka Island, Campbell River FD
2002-113	Peter Mulyk	ALT	Alterations to EdQa 122, EdQa 128, and EdQa 129, all within Lot A, DL 9561, Kootenay District Plan 2684, near Windermere Lake and Invermere
2002-114	Mike Rousseau	INS	Inventory and/or AIA for two Land and Water BC properties located W and SW of Kamloops: (a) the Afton Mine Parcel, located within portions of R18 and R19, and Tp19 and Tp20, W6M, KDYD, on the S side of the Trans-Canada Highway and; (b) the Jacko Lake Parcel, located in R18, Tp19, W6M, KDYD, on the N side of Jacko Lake
2002-115	Colin Grier	INV	Excavations at DgRv 3, located in Dionisio Point Provincial Park on the N end of Galiano Island.
2002-116	Ken Schwab	INS	AIA of Talisman Energy Inc., Murphy Oil Company Ltd., Alberta Energy Corporation, Petro-Canada Oil & Gas Ltd., and other clients' oil/gas developments within the Fort St. John FD
2002-117	Beth Hrychuk	INS	AIA of the 2.6 km Canyon Drive Re-Route, W of Hudson Hope, and other road developments which may be proposed by the MoT, East Central/Northeast Region.
2002-118	Catherine Carlson	INV	Expedient assessment of reported "accidentally found human remains" (2002-5B) at the Kamloops Wildlife Park on the S side of the South Thompson River, near Campbell Creek, approximately 15 km E of Kamloops, and implementation of appropriate conservation measures for materials exposed and disturbed by excavations for slope stabilization and erosion control. Locality is a previously unrecorded historical period interment in the vicinity of EdRa 33
2002-119	Gabriella Prager	INS	AIA of Slocan Forest Products Ltd.'s forestry operations within the ATT of the Fort Nelson, Fort Liard, and Prophet River First Nations, Fort Nelson FD
2002-120	Heather Pratt	INS	AIA of Weyerhaeuser Company Limited (West Island Woodlands Division, Franklin Operation) forestry operations within TO 853, TO 859, TO 862, and TO 866 on Nootka Island, Campbell River FD
2002-121	Morley Eldridge	INS	AIA for CRD Water Department's proposed expansion of the Sooke Reservoir and associated logging, road clearing, and expansion of an existing quarry and borrow pit
2002-122	Kris Bjarnason	ALT	Alterations to CMTs within GfSf 1, GfSf 2, and GfSf 3, by Apollo Forest Products Ltd.'s forestry operations on the NE side of Kazchek Lake, 76 km NNW of Fort St. James
2002-123	Martin Handly	INS	AIA of Gorman Brothers Lumber Ltd., Tolko Industries Ltd., MoF/SBFEP, and other licensees' forestry operations within the Vernon FD
2002-124	Kevin Hedlund	ALT	Alterations to a portion of DhQb 2 by Hedlund Contracting Ltd.'s stripping and stockpiling of topsoil in preparation for expansion of the existing Kid Creek gravel pit, 2.5 km NE of the Highway 3/95 and Kid Creek FSR intersection, E of Creston
2002-125	Dan Weinburger	INS	Inventory and AIA of Riverside Forest Products Ltd.'s forestry operations E of the Fraser River and located solely within the ATT of the Soda Creek Band and Williams Lake Band in portions of the Horsefly and Williams Lake FDs
2002-126	Dan Weinburger	INS	Inventory and AIA of Weldwood Forest Products Ltd.'s forestry operations E of the Fraser River, solely within the ATT of the Williams Lake and Soda Creek bands in portions of the 100 Mile House, Horsefly, and Williams Lake FDs

2002-127	Lindsay Oliver	INS	AIA of Cattermole Timber's proposed redevelopment at 41505 Cannor Road (Subdivision B, S19, T23, NWD, except Plans 4587, 14582, 26454 and E½ of LSD 9, PID 010-988-351 and 010-988-386) and 7519 Cannor Road (Lot 3, Plan 11929, DL 277, NWD except Plan 14601, 26454; PID 008-204-748), Chilliwack
2002-128	Mike Rousseau	INS	AIA for 3 Land and Water BC properties near the S end of Sugar Lake: (1) Lot 2166, ODYD currently the Sugar Lake Resort and Commercial Lease; (2) 1.7 ha of unsurveyed land to the S of Lot 2166, ODYD proposed for resort expansion, and; (3) 2.5 ha immediately N of Lot 2166, presently containing 7 recreational cabins
2002-129	Michael Siclari	ALT	Alterations to 885 recorded CMTs within GcTe 17, and 442 CMTs within GcTe 18, located near the confluence of the Lakelse and Skeena rivers W of Terrace
2002-130	Ian Wilson	INS	Inventory and AIA of proposed 2.7 km Babine Forest Products Lateral pipeline on the E side of Burns Lake, S of Highway 16
2002-131	Barry Wood	INS	AIA of TransCanada Pipeline Ltd.'s proposed 2002 West Path Expansion of a large-diameter pipeline r/w on the N side of Teepee Creek Forest Service Road in SE BC
2002-132	Dan Weinburger	INS	Inventory and AIA of Lignum Ltd.'s forestry operations E of the Fraser River solely within the ATT of the Williams Lake, Soda Creek, Canim Lake, Canoe Creek, and Esketemc FNs in portions of the Horsefly and Williams Lake FDs
2002-133	Normand Canuel	INS	AIA of Canadian Forest Products Ltd and other licensees' forestry developments within the Lakes FD
2002-134	Doug Brown	INS	AIA for a proposed dike on the E bank of the Chehalis River, W of Chehalis IR #5
2002-135	Doug Brown	INS	Inventory of sites in those parts of the E Fraser Valley that lie solely within the ATT of the Stó:lō Nation and/or the Chehalis Indian Band
2002-136	Andrew Mason	INS	Inventory and AIA for a proposed community/neighbourhood development in North Coquitlam, along the E side of the Coquitlam River
2002-137	Gail Wada	INS	AIA for a residential development located S of the Nicomekl River on the E side of 150 th Street, Delta
2002-138	Dan Weinburger	INS	AIA of Riverside Forest Products Ltd.'s forestry operations within portions of the Quesnel FD lying E of the Nazko River and W of Wells
2002-139	Darcy Mathews	INS	AIA for Towner Bay Country Club Ltd. Building Allotment No.20, W of the W Boundary of Plan 3577, Sec 16, Rge 2 W, North Saanich LD, in the vicinity of DeRu 36
2002-140	Shane Bond	INS	AIA of Canadian Forest Products Ltd. and other possible licensees' forestry operations within the Morice FD
2002-141	Rob Field	INS	AIA of MoF/SBFEP and possible other licensees' forestry operations within the Lakes FD
2002-142	Ian Wilson	INS	Inventory and AIA of West Fraser Mills' forestry operations E of the Fraser River in those portions of the 100 Mile House, Horsefly, and Williams Lake FDs which overlap with the ATT of the Alkali Lake, Bonaparte, Canim Lake, Canoe Creek, Clinton, High Bar, North Thompson, Pavilion, Red Bluff, Skeetchestn, Soda Creek, Whispering Pines, and Williams Lake FNs
2002-143	Gabriella Prager	INS	AIA of Weyerhaeuser Canada Ltd.'s forestry operations located solely within the ATT of the Osoyoos, Penticton, and Westbank FNs in the Penticton FD and those portions of the Boundary FD located W of the Kettle River
2002-144	Bruce McKerricher	ALT	Alterations to CMTs 8-11, 13-15, and 19-21 within DjSo 23, by forestry operations in Timber Sale A64700, Block G32, located at Kleeptee Creek on the N side of Williamson Passage on Vancouver Island, Campbell River FD
2002-145	Ray Hatch	ALT	Alterations to DjRi 96 by proposed installation of a 10 m-long pipeline and oil-tank at St John the Divine Church, on Lot 11, Parcel A, Bk 18, Sec 14, Tp 7, Rge 26, W6M, YDYD, Townsite of Yale
2002-146	Richard Brolly	INS	AIA for Carrera Property Group's proposed Dixon-Bedford Connector Road, Port Coquitlam
2002-147	Bjorn Simonsen	INS	Inventory and AIA for BC Hydro's proposed Vancouver Island Natural Gas Generating Plant and associated lateral pipeline and transmission line, at Duke Point near Nanaimo, E coast of Vancouver Island
2002-148	Vicki Feddema	INS	AIA of International Forest Products Ltd.'s forestry operations within TFL 54 and FL A19235, on the W coast of Vancouver Island from Mooyah Bay to Alberni Inlet, South Island FD
2002-149	Dan Weinburger	INS	AIA of Chasm Sawmills (a division of West Fraser Mills) forestry operations approximately between Clinton and 70 Mile House within the 100 Mile House FD

2002-150	Ian Wilson	INS	Inventory and AIA of Lignum Ltd.'s forestry operations E of the Fraser River in portions of the 100 Mile, Horsefly, and Williams Lake FDs
2002-151	Rob Field	INS	AIA of Houston Forest Products Ltd. and other licensees' forestry operations within the Morice FD
2002-152	Heather Pratt	INS	AIA of TFL Forest Ltd. (Honeymoon Bay Operations) forestry operations within TFL 46, Blocks 1-3 and 6-9, South Island FD
2002-153	Brian Pegg	INS	AIA of 10 proposed fibre-optic cable landing sites for Telus Corporation's North Island Ring Project, including landings on Bowen, Keats, Cortes, and Quadra islands, as well as Gibsons Landing, Earl's Cove, and Saltery Bay on the Sunshine Coast
2002-154	Ian Wilson	INS	Inventory and AIA of Riverside Forest Products Ltd.'s forestry operations E of the Fraser River in the 100 Mile House, Horsefly, and Williams Lake FDs
2002-155	Ian Wilson	INS	Inventory and AIA of Weldwood of Canada Ltd. (Williams Lake Operation) forestry operations throughout selected parts of the Horsefly, Quesnel, and Williams Lake FDs
2002-156	Ian Wilson	INS	Inventory and AIA of Riverside Forest Products Ltd.'s forestry operations W of the Fraser River in portions of the Chilcotin and Williams Lake FDs
2002-157	Terry Clark	INS	AIA for a proposed 2-lot subdivision of Lot 65, Plan 26921, Sec 6, Sooke District, located on Whiffen Spit near Sooke
2002-158	Ian Wilson	INS	Inventory and AIA of UBC Alex Fraser Research Forest forestry operations in the Knife Creek and Gavin Lake blocks, Horsefly and Williams Lake FDs
2002-159	Stan Copp	INS	Inventory and AIA for 3 British Columbia Assets and Land Corporation lots located in the Upper Similkameen Valley
2002-160	Ken Roberts	ALT	Alterations to DdRu 4 by trench excavations for installation of a sewer line at 9251 Lochside Drive, Sidney
2002-161	Deborah Garside	ALT	Alterations to DdRu 4 by trench excavations for installation of sewer lines at 9145 and 9165 Lochside Drive, Sidney
2002-162	Owen Grant	INS	AIA of Weyerhaeuser Company Limited and other licensees' forestry operations within the South Island FD
2002-163	Martin Handly	INS	AIA of Gorman Brothers and other licensees' forestry operations within the Penticton FD
2002-164	Rob Lackowicz	INS	AIA of Pope and Talbot Ltd. and other licensees' forestry operations within the Boundary FD
2002-165	Ian Wilson	INS	Inventory and AIA of Lignum Ltd.'s forestry operations W of the Fraser River in portions of the Chilcotin and Williams Lake FDs
2002-166	Richard Brolly	INS	Inventory and AIA for Westcoast Energy Inc.'s proposed looping of the Southern Mainline natural gas pipeline, including ancillary and temporary facilities adjacent or near the existing pipeline r/w in the general vicinity of Hope and Rosedale in the eastern and central Fraser Valley
2002-167	Peter Dady	INS	AIA for a proposed housing redevelopment on Lot 3, Sec 7, Rge 3 E, North Saanich District, Plan 16683 at 9340 Lochside Drive, Sidney, within or near the recorded bounds of DdRu 4
2002-168	William Prentiss	INV	Research excavation at the Keatley Creek site (EeR1 7)
2002-169	Martin Handly	INS	AIA of MoF, Atco Lumber Ltd., and other licensees' forestry operations within the Arrow, Kootenay Lake, and Columbia FDs
2002-170	Dana Lepofsky	INV	Research investigations at 4 sites in the upper Fraser Valley: DgRm 1 and DgRm 2 on the N side of Sumas Mountain; DhRk 2 at the base of Mt. Agassiz; and DhRk 6 on the N side of Hope Slough in Rosedale
2002-171	Lindsay Oliver	INS	AIA of Cattermole Timber Ltd.'s forestry operations within FL A19202, Cut Blocks 101 and 101a, Elk Creek watershed, Chilliwack FD
2002-172	Nola Markey	INS	AIA for Highland Valley Copper Corporation's Basa Aquifer Dewatering Project along the banks of Witches Brook and Guichon Creek, in the vicinity of Logan Lake
2002-173	Doug Brown	INS	AIA for forestry operations proposed by the Scowlitz Indian Band in MoF Woodlot W1435, as well as forestry operations proposed by other licensees within the Chilliwack FD
2002-174	Richard Brolly	INS	Inventory and AIA for Westcoast Energy Inc.'s proposed looping of the Southern Mainline natural gas pipeline, including ancillary and temporary facilities adjacent or near the existing pipeline r/w in the general vicinity of McLeod Lake and Summit Lake, N of Prince George
2002-175	Mike/Joanne Thompson	ALT	Possible alterations to DgRw 4 by proposed modifications to a residence at 1761 El Verano Drive, Gabriola Island (Lot 19, Section 28, Plan 17835, Nanaimo LD)

2002-176	Clinton Coates	INS	AIA of West Fraser Mills Ltd. (Chasm Sawmills) forestry operations in the Scottie Creek area, N of Cache Creek, E of Highway 97, S of Hihum Creek, W of Brousseau Lake and N of Pioneer Creek, Kamloops FD
2002-177	Gail Wada	INS	AIA for a residential development located S of the Nicomekl River on the W side of 150th Street (addresses 3509, 3533 and 3561), Delta (Lots 2, 3 and 4, Section 27, TWP 1, NWD, Plan 8895)
2002-178	Richard Brolly	INS	Inventory and AIA for Westcoast Energy Inc.'s proposed looping of the Southern Mainline natural gas pipeline, including ancillary and temporary facilities adjacent or near the existing pipeline r/w in the general vicinity of Alexandria, 150 Mile House, Lone Butte, and Savona
2002-179	Brian Robinson	ALT	Alterations to DeRu 1 by the removal of existing structures within Lillian Hoffar Park, 10563 McDonald Park Road (Lot 2, Sec 16/7, Rge 2 E, Plan 35496, North Saanich LD), District of North Saanich
2002-180	Rob Lackowicz	INS	AIA of Tolko Industries Ltd. and other forestry licensees' forestry operations within the Salmon Arm FD
2002-181	Bruce Ball	INS	AIA of West Fraser Mills Ltd.'s forestry operations within the Quesnel FD
2002-182	Ian Franck	INS	AIA of Tolko Industries and other licensees' forestry operations within the Quesnel FD
2002-183	Bruce Ball	INS	AIA of MoF/Williams Lake FD SBFEP forestry operations within the Williams Lake, Horsefly, and Chilcotin FDs
2002-184	Jim Stafford	INS	AIA of Western Forest Products Ltd.'s forestry operations within TFL 24/25, Tasu Sound, W coast of Moresby Island, Queen Charlotte Islands FD
2002-185	Bruce Ball	INS	AIA of Cariboo Forest Consultants Ltd.'s forestry operations within the Quesnel FD
2002-186	Lindsay Oliver	INS	AIA of Aquila Exploration Consultants Ltd., Bighorn Land and Field Service Ltd., Peace River Hole Cementing and Exploration Services Ltd., and Thompson and Associates Exploration Services Ltd., and other proponents' oil/gas developments within the Dawson Creek FD
2002-187	Frank Aherne	ALT	Alterations to DdRu 4 by trench excavations for the installation of a sewer line at 9189 Lochside Drive, Sidney
2002-188	Douglas Hudson	INV	Investigation of DkRn 5 (Six Mile Site) and inventory of adjacent sections of the Lillooet River
2002-189	Ian Wilson	INS	Inventory and AIA for Land and Water BC, of several campsite locations used by commercial rafting outfitters along the Fraser River, from the Marguerite Bridge Crossing N of Williams Lake to Leon Creek IR #2, just N of Pavilion
2002-190	Ian Wilson	INS	Inventory and AIA of Ardeu Wood Products Ltd./Nicola Pacific forestry operations in portions of the Kamloops, Merritt, and Penticton FDs
2002-191	Dan Weinburger	INS	AIA of Chasm Sawmills (a division of West Fraser Mills) forestry operations within portions of the 100 Mile House FD
2002-192	Monty Mitchell	INS	AIA of Interpac Resources Ltd.'s forestry operations within Lax Kw'alaams and Metlakatla FN's ATT, North Coast FD
2002-193	Arlene Yip	INS	AIA of Riverside Forest Products Ltd., and other licensees' forestry operations within the ATT of Tl'esqox FN, W of the Fraser River in the Williams Lake FD
2002-194	Kevin Twohig	INS	Inventory and AIA of Lignum Limited's forestry operations within 100 Mile House and Horsefly FDs, overlapping with the ATT of the Canim Lake, Canoe Creek, Clinton, Esketemc, High Bar, Whispering Pines, and Williams Lake FN's
2002-195	Gail Wada	INS	AIA for a golf course development proposed for Lot G, Plan LMP37943, Part N½ of NE¼, DL 511, Sec 11, NWD Group 1, and Fractional South ½ of South ½ Sec 14, Tp 50 (PID - 024-136-107), located E of the Squamish River, N of Squamish, BC
2002-196	Hartley Odwak	INS	AIA of Western Forest Products Ltd.'s forestry operations in those portions of TFL 6 and TFL 25 within the Port McNeill FD, in the ATT of the Quatsino FN
2002-197	John Goosen	ALT	Alterations to DgRs 7 by installation of water and sanitary sewer utility connections at 1206 Beach Grove Road, Tsawwassen
2002-198	Richard Gilbert	INS	AIA of Westroad Resource Consultants Ltd.'s forestry operations within 1:20,00 scale mapsheets 93A/71, 93A/72, 93A/81-82, 93B/1-100, 93G/1-29, 93G/31-33, 93H/1-3, 93H/11-13, and 93H/21-23, within the Quesnel FD
2002-199	Vicki Feddema	INS	Site inventory for the Polaris Minerals Corporation's Alberni Aggregate Project, between Macktush Creek and Cook Creek, on the W side of Alberni Inlet
2002-200	Bruce Ball	INS	AIA of West Fraser Mills Ltd.'s forestry operations within the Horsefly, Williams Lake, and Chilcotin FDs

2002-201	Darcy Mathews	INS	Inventory and AIA for proposed 13-lot subdivision within the NE¼ Sec 3 and the SW¼ of Sec 8 on Gabriola Island, Nanaimo LD, vicinity of DgRw 196, DgRw 198, DgRw 199, DgRw 200, DgRw 203, DgRw 204 and DgRw 210
2002-202	Beth Hrychuk	INS	Pre- and post-development AIAs for Westcoast Energy Inc.'s oil/gas developments in areas of NE BC covered by NTS mapsheets 93I/1-2, 7-16, 93J/16; 93P/1-16, and portions of 93O/1, 7-10, 15-16, 94A/1-4, and 94B/1-2, located S of the Peace River
2002-203	Normand Canuel	INS	AIA of MoF and other licensees' forestry operations within the Mackenzie FD
2002-204	Dan Weinburger	INS	AIA of MoF forestry operations within the 100 Mile FD
2002-205	Brad Taylor	ALT	Alterations to CMTs within DiSo 34, DiSo 35, and DiSo 36, in Interfor's Cut Blocks HE-760, HE-770, and HE-1140, near Hesquiaht Harbour on the W coast of Vancouver Island
2002-206	Linda Burnard-Hogarth	INS	Site inventory of 4 locations along the Salmon River, including the confluence of the Salmon with the White and Memekay rivers, the N½, Tp 6, Sec 24 and adjacent SW¼ of Sec 25, and the NW¼ of Tp 7, Sec 18, Sayward LD, NE coast of Vancouver Island
2002-207	Ian Wilson	INS	AIA for two proposed hydroelectric power projects by DCL Construction Ltd: (1) widening of a transmission line extending approximately 4 km N from Tahsis, along the Tahsis River, and; (2) construction of penstocks, power house, intake line, and possible ancillary developments in the general area between Zeballos Lake and the Nomash River, on NW Vancouver Island
2002-208	Gary Coupland	INV	Investigations of the Boardwalk Site (GbTo 31), Philips Point Site (GbTo 28) and the Tremayne Bay Site (GbTo 46), all on the E shore of Digby Island, and GbTo 77 on the E shore of Digby Island, W of Prince Rupert, and inventory of archaeological sites in the Prince Rupert Harbour region
2002-209	Kevin Twohig	INS	Inventory and AIA of Riverside Forest Products Ltd.'s forestry operations within those portions of the Williams Lake and Chilcotin FDs located W of the Fraser River
2002-210	Wayne Moorman	ALT	Alterations to site DhSb 9 by installation of a water line at the head of Northwest Bay, S of Parksville
2002-211	Marion Blank	ALT	Alterations to DkSb 7 by culvert replacement at Scotch Fir Point Estates, Frolander Bay, S of Stillwater
2002-212	Kevin Twohig	INS	Inventory and AIA for two gravel pits proposed by the MoT in the Anahim Lake area
2002-213	Hartley Odwak	INS	AIA of Weyerhaeuser Canada's (Port McNeill Timberlands Division) forestry operations within FL areas TFL 38, TFL 39, FLA 19244, TO 267, TO 293, TO 306, TO 326, TO 592, TO 596, TO 611, TO 6145, TO 626, and TO 632, located near Coal Harbour, Rupert Inlet, Klaskino Inlet, Klaskish Inlet, Brooks Bay, and Nereoutos Inlet, Port McNeill FD
2002-214	Amanda Marshall	INS	AIA of Canadian Forest Products Ltd.(Fort St. James Division) forestry operations within FLs TFL042 and A40873, Fort St. James FD
2002-215	Neil Mirau	INS	AIA of MoF/SBFEP, Downie Timber Ltd., and other licensees' forestry operations within the Columbia FD
2002-216	Amanda Marshall	INS	AIA of forestry operations within Wet'suwet'en ATT on behalf of the Office of the Wet'suwet'en, in parts of the Lakes, Morice, Bulkley, Cassiar, and Kispiox FDs
2002-217	Ian Wilson	INS	AIA of Gorman Bros. Ltd.'s forestry operations within the Penticton FD
2002-218	David Watts	INS	Alterations to aboriginally logged stumps M2 and M6 within CMT site DfSh 175, by Equis Forest Products Ltd.'s forestry operations in Block BP3, FL A5336, South Island FD, near Julia Passage, Barkley Sound
2002-219	Susan Woods	INS	AIA of Ainsworth Lumber Company Ltd.'s forestry operations within Blocks 3 and 4, CP 217, Downton Creek Drainage, Lillooet FD
2002-220	Susan Woods	INS	AIA of Ainsworth Lumber Company Ltd.'s forestry operations within Blocks 1-3, 5, and 11-14 CP 189, Ault Creek and Green Mountain areas, Lillooet FD
2002-221	Clarence Richie	INV	Investigation of DhRx 4, located at the N end of Saltery Beach, W side of Newcastle Island opposite Nanaimo
2002-222	Chris Engisch	INS	AIA of Western Forest Products Ltd. and other licensees' forestry operations in Oweekeno Nation ATT, Mid-Coast FD
2002-223	Joel Kinzie	INS	Inventory and AIA for the construction of an artist studio and development of proposed Pine Creek South subdivision, both located near the Pine Creek Recreational Reserve near Atlin, on portions of DLs 1108, 1252, 1253, 1602 and 1608, Cassiar LD, vicinity of archaeological site IjUj 10
2002-224	Joel Kinzie	INS	AIA of MoF and other licensees' forestry operations within the Prince George FD

NEWS ITEMS

Artifact ID Day at the Burke

The Burke Museum in Seattle will hold its annual Artifact Identification Day on Saturday January 25th, 2003, from 1-4 pm in the Burke Room. In conjunction with their exhibit *Out of the Silence: Enduring Power of the Totem Pole*, they are featuring the identification of Native American art and artifacts. Included in the price of your admission, you may bring up to three artifacts for identification. The Museum cannot perform appraisals. Check out their Web site for more information: <www.washington.edu/burkemuseum>.

Changes on Permit Applications

Effective November 10, 2002, archaeological permit applicants and their clients must consent to the use of personal information such as names, addresses, and telephone numbers that are included in permit applications, site inventory forms, or permit reports. However, consent is not required from representatives of corporate clients. Property owners must also consent to the use of this information if the application applies to private property.

This consent is necessary as the Archaeology and Registry Services Branch collects and distributes personal information that is subject to the Freedom of Information and Protection of Privacy Act. For more information, referred to Bulletin #3 on the Ministry of Sustainable Resource Management's archaeology Web site: <<http://srmwww.gov.bc.ca/arch>>.

Vancouver Museum Needs Volunteers

The Vancouver Museum is recruiting Volunteer Tour Leaders for their education programs. Prospective volunteers should enjoy working with people of all ages and have good communication skills. Orientation, full training, and field trips are provided. For more information please contact Jan at 604.736.4431 extension 388; or email: <volunteer@vanmuseum.bc.ca>. For more information on the education programs offered by the Vancouver Museum please refer to their Web site: <www.vanmuseum.bc.ca>.

Bill Reid On-line Exhibit

On 21 June 2002, National Aboriginal Day, the Museum of Anthropology (MOA) launched a virtual exhibition developed to document the carving and raising of "The Tribute to Bill Reid Pole" by Jim Hart, which took place at MOA on 1 October 2000. The exhibit can now be viewed on MOA's Web site: <www.moa.ubc.ca>. The on-line exhibit includes information about the artists, the materials and tools used to create the pole, and a timeline outlining the steps involved in raising the pole. In July 2002 the virtual exhibit was nominated by the Virtual Museum of Canada for an award of excellence.

Heritage Week in BC

In British Columbia, the third week of February is Heritage Week. It begins with National Heritage Day, always the third Monday in February. In 2003 Heritage Week is Monday, February 17 to Sunday, February 23. This year's theme is "The Heritage of Our Town." For more information check out the Heritage Society of BC's Web site: <www.islandnet.com/~hsbc/heritage_week.htm>.

EXHIBITS

BURKE MUSEUM OF NATURAL HISTORY AND CULTURE

Out of the Silence: The Enduring Power of Totem Poles

Through 1 September 2003

Based on the photographic collection of Adelaide de Menil, *Out of the Silence* pairs de Menil's haunting images of Northwest Coast Native village sites with rarely seen sculptural treasures from the renowned Burke collection. Accentuated with historical and contemporary photographs, film and audio sequences, and an engaging narrative, the exhibit explores the invincible power and resilience of Northwest Coast monumental carving.

A wide range of public programs, including lecture and film series, evening feasts, performances, readings, artist's residencies, and family activities will be offered in conjunction with the exhibit.

For more information contact the Burke Museum at 206.543.5590, or check out their Web site: <www.washington.edu/burkemuseum>.

The Burke Museum of Natural History and Culture is located on the northwest corner of the University of Washington campus, Seattle.

CONFERENCES 2003 - USA

January 3-6 **104th Archaeological Institute of America (AIA) Annual Meeting**
New Orleans Louisiana, USA

March 19-22 **56th Annual Northwest Anthropological Conference**
Bellingham Washington, USA

The Department of Anthropology at Western Washington University will host the 56th Annual Northwest Anthropological Conference. The theme is "Building Bridges," chosen to call attention to the increasing interactions that anthropologists have with other communities and professions, including interactions across the international border.

Call for papers: The deadline for all paper, symposia, and poster session abstracts is 15 February 2003. Abstracts will be published in the journal of *Northwest Anthropological Research Notes*. Students must submit their papers for the Student Paper Competition by 15 February 2003.

Contact: Department of Anthropology, Attention: NWAC Conference. 516 High Street MS 9083, Bellingham, WA, 98225-9083. tel. 360.650.7980; fax 360.650.7668; Web site: <<http://www.ac.wvu.edu/~anthro/NWAC.htm>>.

April 1-5 **Wet Site Connections—Linking Indigenous Histories, Archaeology, and the Public**
Olympia, Washington, USA

The Wetland Archaeology Research Project (WARP) is an international conference about waterlogged archaeological sites. The conference will emphasize how wet sites bring the interests of indigenous peoples, scientists, and the general public together with mutual objectives—to preserve, study, and present the waterlogged perishable artifacts not normally found in less preserved archaeological contexts.

Conference activities will include conservation of ancient wood and fibre workshops, presentations of the latest and ongoing wet sites research around the world, field trips to the Squaxin Island Tribe/SPSCC wet site at *Qwu?gwes*, visits to the new Squaxin Island Tribe Museum Library and Research Center, and an optional field trip to the Makah Cultural and Research Center museum featuring the Ozette Village wet site materials.

The conference Web site will be updated regularly. The preliminary conference program is already listed, and you can register on-line. The deadline for draft papers is 1 February 2003.

Contact: Dr. Dale R. Croes, WARP Conference Coordinator, Anthropology, South Puget Sound Community College, 2011 Mottoman Road SW, Olympia, Washington, 98512-3872, USA; tel. 360.754.7711 extension 5336; fax 360.664.0780; e-mail: <dcroes@spscc.ctc.edu>; Web site: <www.spscc.ctc.edu/warpconference>

April 9-13 **Society for American Archaeology (SAA), 68th Annual Meeting**
Milwaukee, Wisconsin, USA

Volunteers are needed. There is a volunteer application form on-line. Opportunities are limited, so please fill out the application as soon as possible.

Contact: SAA Headquarters, 900 Second Street NE #12, Washington DC, 20002-3557, USA; tel. 202.789.8200; fax 202.789.0284; e-mail: <meetings@saa.org>; Web site: <www.saa.org>

CONFERENCES 2003 - CANADA

April 12

Shipwrecks 2003, Underwater Archaeological Society of British Columbia
Vancouver, BC

Shipwrecks 2003 is the premier exploration conference on the west coast. The conference brings together noted maritime historians, technical and recreation divers, and avocational and professional underwater archaeologists for a day-long series of world-class presentations.

Dr. Kevin Crisman of Texas A&M University, will give the Annual Woodward Lecture at the evening banquet. Dr. Crisman is one of the world's leading underwater archaeologists. His lecture will describe the beautiful Azores, their unique maritime history, and their many shipwrecks.

Registration details, including a complete list of speakers and their topics, will be posted on their Web site in the near future.

Contact: Underwater Archaeological Society of British Columbia, c/o Vancouver Maritime Museum, 1905 Ogden Street, Vancouver, V6J 1A3; tel. 604.980.0354; e-mail: <uasbc@uasbc.com>; Web site: <www.uasbc.com>

May 7-10

Canadian Archaeological Association (CAA) Annual Conference "Current and Future Directions in Canadian Archaeology"

McMaster University, Hamilton, Ontario

Information regarding deadlines, sessions, registration, etc., will be updated on the CAA Web site <www.canadianarchaeology.com> and the conference Web site <www.socsci.mcmaster.ca/caa2003> as soon as it becomes available.

A CALL FOR PAPERS: DEADLINE FOR SESSION AND PAPER TITLES AND ABSTRACTS IS 15 FEBRUARY 2003.

The conference organizers are trying to develop as many sessions as possible that reflect the common themes in Canadian archaeology. Check the conference Web site for a complete list of proposed sessions. While you are encouraged to consider the conference theme in your submission, alternate proposals are welcome. Please contact the program coordinators as soon as possible if you are interested in organizing symposia.

SPECIAL PLENARY SESSION: DEADLINE FOR PLENARY SUBMISSIONS IS 28 FEBRUARY 2003.

The conference organizers extend an invitation to representatives of archaeology graduate programs from across Canada to participate in a special plenary session entitled "Current and Future Directions: Student Perspectives on Canadian Archaeology." The goal is to provide a forum to showcase the interests and activities of students in different graduate programs across the country. Students are encouraged to organize discussions and debates to reach a consensus on the focus of research interests and activities that best characterize their programs. The purpose is to develop the basis for a paper or papers to represent those interests in the conference plenary session.

Contact: Send symposia and paper titles/abstracts to Andrew Martindale/Kathryn Denning, CAA 2003 Program Coordinators, Department of Anthropology, McMaster University, 1280 Main Street West, Hamilton, ON, L8S 4L9; fax: 905.522.5993; e-mail: <caa2003@mcmaster.ca>. Direct all questions to the conference coordinator Aubrey Cannon at <cannona@mcmaster.ca>. Submissions should be sent to 2003 CAA Conference, Department of Anthropology, McMaster University, 1280 Main Street West, Hamilton, Ontario, L8S 4L9.

 **THE MIDDEN**

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