ARCHAEOLOGY IN NEW ZEALAND

CANTERBURY MUSEUM ARCHAEOLOGY UPGRADE PROJECT: PROGRESS REPORT

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Background

Located near the centre of Christchurch city, the Canterbury Museum is a 137 year old institution. The museum hosts approximately 2 million collection items and is visited by over 55,000 people each year. Julius von Haast was one of the early directors of the museum and from its early days, the discipline of ethnology has always been an important aspect of the museum. The history of archaeology at the Canterbury Museum did not properly begin until the 1950s, following trends in New Zealand archaeology. In the late 1950s, the newly formed New Zealand Archaeological Association (NZAA) held their first national excavation at Moa Bone Point Cave and the Canterbury Museum was closely involved (Norris 1977).

The Canterbury Museum Archaeology Society (CMAS) was formed in 1960 as a result of the increasing awareness of public ownership of artefacts and the need for site protection (Norris 1977). Over the years some of the notable names associated with Canterbury Museum archaeology include Roger Duff, Tony Fomison, Owen Wilkes, Ron Scarlett, Jim Eyles, Sally Burrage, Michael Trotter, Beverly McCulloch, Chris Jacomb and Roger Fyfe.

The 1960s, 1970s and 1980s was a productive time for archaeology at the Canterbury Museum with excavations being carried out at significant sites throughout the South Island and in Rarotonga. Much of the material from these excavations has been processed, catalogued and incorporated into the Museum's Ethnology Store. Some of the faunal material has been incorporated into the Museum's zoology store and some of the associated documents are now housed with the Manuscripts.

For various reasons, some of the archaeological material is not housed in either of these stores, nor are they in the Museum's catalogue system. This makes it difficult to find and access these items for staff and researchers alike. Such

items include material that is not on the museum's catalogue system because it has been allocated field numbers rather than Museum catalogue numbers, and material that was excavated or surface collected, but is yet to be processed or catalogued. For some sites, such as Wairau Bar, all the formal artefacts have been picked out and inventoried into the Museum's catalogue, but there is also a pallet of 51 Wairau Bar boxes containing flakes, debitage and midden which is not in the catalogue. Consequently, few people know of the existence of this extra material, and accessing it is difficult.

The basement collection also includes material which has been surface collected by members of the public and donated to the museum over a 50 year period. Much of this later material has not been inventoried. Although there is a general geographic location for where these items came from, the actual NZAA site number and grid co-ordinates are difficult to determine, and there is very little in the way of field notes or scientific records associated with this surface collected material.

Figure 1: Basement at Canterbury Museum

The Canterbury Museum Archaeology Upgrade Project started in January 2008 as a year long project to upgrade the archaeological field collections currently stored in the basement. The general objectives of the project are to

re-sort and prepare a preliminary inventory of the archaeological field collections. In addition, the project also aims to provide an objective evaluation of scientific value; to recommend retention or disposal (in conjunction with the Senior Curator of Anthropology); and to prepare a proposal for future research activities (Fyfe 2007).

There are approximately 1000 boxes in the basement with archaeological material to be inventoried for this project. We are currently three-quarters of the way into the year-long project. This paper presents the results of the project to date.

Method

1) Boxes in the basement were re-sorted into a site by site system.
2) If available, any field notes, reports and publications associated with the items were compiled. If the box was associated with a NZAA site record number, the site record form was consulted.
3) Each item was removed from the box, identified and described, one box at a time.
4) Items were assigned a temporary label containing a pre-allocated unique identification number. Each item was re-bagged or upgraded, and completed boxes were placed into temporary storage.
5) A preliminary inventory was entered into an Excel spreadsheet for later conversion into the Museum's Vernon database. The following fields were recorded:
   a.   Unique identification number;
   b.   Object name, title or brief description;
   c.   Item count;
   d.   Collector;
   e.   Collection date; and
   f.   Site reference (e.g., location, square number etc).
6) Towards the end of the project, an objective assessment of the scientific merit of the contents of each box will be made and recommendations for retention or disposal will be undertaken, in conjunction

with the Senior Curator of Anthropology. A proposal for future research activities will also come at the end of the project.

Figure 2: Upgrading the items. Each item was re-bagged and allocated an accession number. Original information from the old bag was retained.

Figure 3: Upgrading the boxes. Items were removed form old cardboard boxes, fruit containers, etc, and re-housed in new museum-quality boxes. New boxes were labelled with the site name and where possible, the NZAA site record number. A list of the accession numbers and the contents of the box was also recorded on the box. Information from the old cardboard box was retained and kept with the new box for future reference.

Results

We are now approximately 10 months into the year-long project. To date we have completed 800 boxes, representing some 200 archaeological sites. The majority of the items in the boxes were archaeological material, mainly from the prehistoric period of New Zealand. Inside the boxes there was a wide variety of material including stone adzes and flakes, bags of midden and bone, sediment

samples from different stratigraphic layers, charcoal and ash. There was also a small amount of historical material – fragments of ceramic smoking pipes, shards of glass and crockery and rusted metal nails.

The organisation of items within these boxes varied across the archaeological sites. Some sites contained large bags of unsorted midden – a mixture of shell, bone, charcoal and lithics – all in one bag. Other sites have bags where the bones from each individual species of fish have been identified and bagged accordingly.

In addition, we also found some of more "unusual" items. Inside a large bag of midden, I found an old foil chocolate wrapper. It was is not uncommon for archaeologists to wrap delicate items inside matchboxes, cigarette boxes, foil or old food storage boxes. So gingerly, I opened the parcel, expecting to find something delicate like fragile bone fragments or ash. Instead I found crumbled lumps of a brown substance with areas of white on some surfaces. Under the microscope, the brown substance turned out to be crumbs of old chocolate from the 1970s. An archaeologist in the past had eaten a block of chocolate and chucked the wrapper into a bag of midden – for me to find 30 years later.

An example of the Excel spreadsheet used in this project is presented in Table 1. This example shows the first 16 listings from the Wairau Bar pallet. If the information was not readily available on the items, the field was left blank with the plan that a future researcher might fill in the gaps at a later date, using the field notes and references. As demonstrated in this example, the field collector and collection date were not often recorded with the item. In some cases, the unit or square that the item came from were also not recorded.

Appendix 1 shows a list of all the boxes and archaeological sites that have been catalogued as part of this project. To date there are approximately 200 archaeological sites that have been inventoried as part of this project. Most of the material is from the South Island, but there a handful of North Island sites are represented, mainly from the Coromandel district. Most sites have only a small number of items, but knowledge of these items is now available.

A pre-allocated series of unique Canterbury Museum identification numbers was given to each item. Most of the items in this collection have a 2008 accession numbers – a reflection of the fact that it was accessioned into the museum's catalogue system in 2008. All of the material was field collected prior to 2008. But we could not give them earlier accession numbers because many of the items do not have dates written on them, and many of the boxes have items from several seasons, events or several dates mixed together within a box. The only exception here was if a previous accession number was written

Box	Accession no	Name/title	Item count	Field collection site	Collection date	Collector	Reference
1	2008.1000.1	Bag: Pieces of hydroglossular garnet	1	S29/7, O33/4	1964		
1	2008.1000.2	Bag: Argillite pieces	1	S29/7, O33/4	1964		
1	2008.1000.3	Nephrite flake	1	S29/7, O33/4	1964		
2	2008.1000.4	Bag: Flakes of argillite, chert and hydrglossular garnet	1	S29/7, O33/4	1964		XA, N12/L1, 2
2	2008.1000.5	Bag: Argillite flakes	1	S29/7, O33/4	Jan-64		
2	2008.1000.6	Bag: Flint flakes	1	S29/7, O33/4			
2	2008.1000.7	Bag: Argillite and flint flakes	1	S29/7, O33/4			A4
2	2008.1000.8	Red Ochre fragment	1	S29/7, O33/4	Jan-64		A4/Z8
2	2008.1000.9	Bag: Obsidian flakes	1	S29/7, O33/4	Jan-64		A4/W8, 0-6. 8
2	2008.1000.10	Heaphyite fragment	1	S29/7, O33/4	Jan-64		A4/X8
2	2008.1000.11	Bag: Chert flakes, debitage and cores	1	S29/7, O33/4	Jan-64		A4/X8
2	2008.1000.12	Flint drill points	1	S29/7, O33/4	Jan-64		A4/X8
2	2008.1000.13	Bag: Flint flakes	1	S29/7, O33/4	Jan-64		Unplotted
2	2008.1000.14	Bag: Mixed flakes	1	S29/7, O33/4	Jan-64		XB, N0/L0, 2
2	2008.1000.15	Bag: Obsidian fragments	1	S29/7, O33/4	Jan-64		A4/V8
2	2008.1000.16	Bag: Obsidian fragments	1	S29/7, O33/4	Jan-64		A5/21
2	2008.1000.17	Bag: Obsidian fragments	1	S29/7, O33/4	Jan-64		A4/X8

Table 1: Example of Excel spreadsheet from the Wairau Bar, Site S29/7, O33/4.

on the box or item, the previous accession number was used. This was the case for a small number of boxes.

Each archaeological site was given its own accession number series. For example, excavations at Titirangi in the Marlborough Sounds produced items from sites P26/228, P26/246, Q27/78, P26/207, P26/210, P26/214, P26/216, P26/217 and P26/218. Each of these individual sites was allocated its own accession number series, and individual items were given a suffix.

On the other hand, there are sites like Wakanui which has been excavated by the Canterbury Museum and has also been field collected by various members of the public. Many of these public donations have their own accession number from the 1960s and 1970s. Consequently, some sites like Wakanui have several accession numbers based on who collected them and when they were donated to the museum.

Accession no.	Site	No. boxes	No. items
2008.1005.1	Wakanui, South Canterbury, S103/1 ,K38/3	85	599
2008.1009.1	Tumbledown Bay, Banks Peninsula, S94/30, N37/12	85	2505
2008.1007.1	Fyffe Site, Kaikoura, S49/46,O31/30	64	1109
2008.1001.1	Moncks Cave, Christchurch, S84/118,M36/47	59	500
2008.1000.1	Wairau Bar, Marlborough,S29/7,O33/4	51	818
2008.1008.1	Hohoupounamu, North Canterbury, S76/7, M35/12	35	1942
2008.1002.1	Cook Islands	30	270

Table 2: Sites with a large number of boxes.

The sites with the largest collections in this project are summarised in Table 2. They include Wakanui, Tumbledown Bay, the Fyffe Site, Moncks Cave, Wairau Bar, Hohoupounamu and the Cook Islands. Many of the other sites represented in this project contained less than 15 boxes. Most sites only had one or two boxes. Of particular interest is the fact that these larger sites of Wakanui, Tumbledown Bay and the Fyffe site had quite large collections that were previously inaccessible. For these larger sites, much of the formal or interesting items have previously been removed, and the remaining material such as the midden, flakes and debitage have been left uncatalogued. Now that they are inventoried and their location accounted for, the process of accessing this material is much easier.

Approximately 25% of the material in the basement has not been linked to an NZAA site number or site record form. There are several reasons for this.

In some cases, the original archaeologist was contacted about this, and the author has been informed that the item was not really associated with a particular registered site. In other cases, the information on the box was too general to link it to a site number. For example, boxes labelled "D'Urville Island", "Kaikoura", "Westport" and "Paekakariki" indicated an area that was geographically large with too many recorded sites, and it was too difficult to link it to any one site. Other boxes with labels such as "Oliver's Property, Kaikoura" did not really provide very much information.

Discussion and Conclusions

The general objectives of the Canterbury Museum Archaeology Upgrade Project were to re-sort and prepare a preliminary inventory of the archaeological field collections that are currently held in the basement. This process will eventually lead to an objective evaluation of the scientific value of the material, recommendation for retention or disposal, and a proposal for future research activities. With two months still to go, approximately 800 of the 1000 boxes involved in this project have been completed and we now have knowledge of the archaeological contents from approximately 200 archaeological sites in the basement.

Some valuable lessons about archaeological recording can be learnt from this project. While the material at the Canterbury Museum came to be there with the very best intentions, 30 or 40 years later, a researcher looking through this material may find the information difficult to understand. Consistency in recording is recommended. Recording things like name of collector, date of excavation, squares and units is standard archaeological practice, but many of the items sometimes do not have that basic information. Another concern is that field notes, maps, etc, are often kept separate from the archaeological material, and tracking down any associated documentation is difficult. The New Zealand Historic Places Trust's Digital Library, NZAA site record forms and any publications or references associated with the site have been a great help in finding any information associated with these sites.

The Canterbury Museum houses an impressive archaeological collection, and includes some significant sites such as the Wairau Bar, Wakanui and the Fyffe sites. The project is able to contribute towards New Zealand archaeology by making a large amount of previously unrecorded material more accessible to staff and researchers alike.

Acknowledgements

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References

Fyfe, R. 2007. Proposal for Archaeology Research Collections Upgrade Project. Unpublished report to the Canterbury Museum.

Norris, B. 1977. Canterbury Museum Archaeological Society (CMAS) History. *Canterbury Museum Newsletter* No. 33.

Appendix 1

Accession #	Site	Boxes	Items
1960.34.26-27	Opito Bay, Coromandel, N40/3, T10/161	1	2
1960.34.28-31	Mahinapua Bay, Coromandel, N40/5, T10/163	1	4
1967.183.1-369	Woodbank, Kaikoura District, S42/2, P30/2	15	369
1968.126.11-14	Waikakahi, near Lake Ellesmere, Canterbury, S94/5, M36/78	1	4
1968.126.15	D'Urville Island, Unlocalised	1	1
1968.126.1-5	Tumbledown Bay, Banks Peninsula, S94/30, N37/12	1	5
1968.126.16	Goughs Bay, Banks Peninsula, N36/79	1	1
1968.126.17-19	South Rakaia Mouth, South Canterbury	1	3
1968.126.20-24	Kaiapohia, North Canterbury	1	5
1968.126.25	Te Mata Hapuku (Birdlings Flat), Canterbury	1	1
1968.126.26-33	Whakamoa, Banks Peninsula, S94/34, N37/14	1	8
1968.126.6-10	Island Bay, Banks Peninsula, N37/16	1	5
1968.245.103-108	Waitaki Mouth, North Otago	3	26
1968.245.127	Maraetai Bay, Queen Charlotte Sound	1	1
1968.245.128	Te Rua, Queen Charlotte Sound	1	1
1968.245.129-130	Arapawa, Queen Charlotte Sound	1	1
1968.245.131-3	East Bay, Queen Charlotte Sound	1	3
1968.245.134	Moioio Island, Queen Charlotte Sound, Marlborough, 27/6	1	1
1968.245.135	Eire Bay, Queen Charlotte Bay, Marlborough, P27/166	1	1
1968.245.136	Kahinu, Queen Charlote Sound	1	1
1968.245.137-138	Te Wai Wai, Queen Charlote Sound	1	2
1968.245.139-152	Queen Charlote Sound, Unlocalised	1	15
1968.245.153	Eiffelton, Canterbury	1	1

1968.245.154-156	Rakaia, North Bank, South Canterbury	1	3
1968.245.157	Kahutara, Kaikoura District	1	1
1968.245.158	Hinds, South Canterbury	1	1
1968.245.1-6	Wakanui, South Canterbury	1	6
1968.245.1-6	Wakanui, South Canterbury, S103/1, K38/3	1	6
1968.245.7-87	D'Urville Island, Unlocalised	7	80
1968.245.88-91	Black Beach, D'Urville Island	1	4
1968.245.92	Catherine Cove, D'Urville Island	1	1
1968.245.93-94	Greville Harbour, D'Urville Island	1	2
1968.245.95	Opotiki, D'Urville Island	1	1
1968.245.96	Patuki, D'Urville Island	1	1
1968.245.97	Woodman's Bay, D'Urville Island	1	1
1968.245.98	O'Whai Bay, D'Urville Island	1	1
1968.245.99-102	D'Urville Island, Unlocalised	1	4
1968.310.1-9	Petries Waikuku, North Canterbury	1	9
1968.6.1	Wakanui, South Canterbury, S103/1, K38/3	0	1
1969.176.1-10	Lake Pukaki, Mackenzie Country, S100/4, H38/4	1	10
1969.176.11-12	Ohau, Mackenzie Country, S109/14, H38/7	1	2
1969.178.1-3	Takamatua, Banks Peninsula, S94/36, N36/93	1	3
1969.193.1-9	Waikakahi, near Lake Ellesmere, Canterbury	1	9
1969.273.1-33	Pelorus Sound, Marlborough	2	33
1970.150.10	Wakanui, South Canterbury	1	1
1970.150.11-14	Pounawea, Clutha district , S184/1, H47/1	1	4
1970.150.1-2	Cape Foulwind, West Coast, K29/2	1	2
1970.150.15	Westport, West Coast	1	1
1970.150.16	No locality	1	1
1970.150.17-20	D'Urville Island, Unlocalised	1	4
1970.150.3-7	Mussel Point, near Blenheim, S29/5 , Q29/1	1	5
1970.150.8	Waitaki Mouth, North Otago	1	1
1970.150.9	Port Underwood, Marlborough district	1	1
1971.52.1-2	Wakanui, South Canterbury, S103/1, K38/3	1	1
1972.140.1-23	Wakanui, South Canterbury, S103/1, K38/3	2	23
1976.80.1-10	Taumutu, Lake Ellesmere District	1	10
1976.81.1-11	Taumutu, Lake Ellesmere District	1	11
1978.55.1-6	Double Bay, Mahau Sounds	1	6
1979.4.1-6	Pukaporo Bay, S55-56/31, O32/14	1	1
1979.5.1-126	Mikonui, Kaikoura District, S55/2, O32/15	4	126

1979.77.1-8	Awamoa, North Otago, S136/4, J41/3	1	8
1980.4.1-5	Shag River, Otago, S155/5, J43/2	1	5
1981.218.12-28	Unknown site, Northcroft Collection	1	7
1999.10.2-10	Moetapu Bay, Mahau Sounds	1	9
2008.1000.1	Wairau Bar, Marlborough, S29/7, O33/4	51	1083
2008.1001.1	Moncks Cave, Christchurch, S84/118, M36/47	59	500
2008.1002.1	Cook Islands	30	270
2008.1003.1	Fiji	1	4
2008.1004.1	Niue	2	21
2008.1005.1	Wakanui, South Canterbury, S103/1 , K38/3	85	599
2008.1006.1	Heaphy River Mouth, West Coast, S7/1, L26/1	7	108
2008.1007.1	Fyffe Site, Kaikoura, S49/46, O31/30	64	1109
2008.1008.1	Hohoupounamu, North Canterbury, S76/7, M35/12	35	1942
2008.1009.1	Tumbledown Bay, Banks Peninsula, S94/30, N37/12	85	2505
2008.1010.1	Peketa, Kaikoura District, S49/23, O31/15	10	206
2008.1011.1	Peketa, Kaikoura, S49/48, O31/32	3	52
2008.1012.1	Bullock Bay, D'Urville Island, S6/41, M35/122	1	1
2008.1013.1	Black Beach, D'Urville Island	1	4
2008.1014.1	Whakamoa, Banks Peninsula, S94/34, N37/14	1	17
2008.1015.1	Pari Whakatau, south of Kaikoura, S55/7, O32/20	5	19
2008.1016.1	Mt Ears, D'Urville Island	1	2
2008.1017.1	Ohana Bay, D'Urville Island	1	8
2008.1018.1	South Bay, Kaikoura Coast, S49/43, O31/27	15	244
2008.1019.1	Otarawa, D'Urville Island	1	3
2008.1020.1	O'Whai Bay, D'Urville Island	2	17
2008.1021.1	Patuki, D'Urville Island	1	5
2008.1022.1	South Ridge, D'Urville Island	1	4
2008.1023.1	Swamp Beach, D'Urville Island	1	6
2008.1024.1	Kairaki 13, North Canterbury, S76/39, M35/42	3	15
2008.1025.1	Unlocalised, D'Urville Island	1	13
2008.1026.1	Pleasant River, Otago	1	16
2008.1027.1	Waipara Cave, North Canterbury, S68/5, N34/4	2	15
2008.1028.1	Waiopuka, Kaikoura District, O31/64	7	219
2008.1029.1	Buller River Mouth, West Coast	1	7
2008.1030.1	Dymocks, North Canterbury, S76/2, M35/7	1	1
2008.1031.1	Wairepo Flat, Kaikoura Point, S49/72, O31/51	1	9
2008.1032.1	Waikakahi, Lake Ellesmere, Canterbury, S94/5, M36/78	6	28

2008.1033.1	Whangamata, Coromandel,	1	0
2008.1034.1	Whangamata, Coromandel, N49/645, T12/563	1	2
2008.1035.1	Whangamata, Coromandel, N49/268, T12/220	1	2
2008.1036.1	Whangamata, Coromandel, N49/269, T12/221	1	1
2008.1037.1	Stewart Island, Unprovenanced	1	1
2008.1038.1	Waiwherowhero, North Otago, S146/20, J42/35	1	1
2008.1039.1	Waipara Pa, Kaikoura district, S42/7, P31/4	1	1
2008.1040.1	Waimataitai, North Otago, S146/2, J42/18	1	10
2008.1041.1	Johnston Site, Waverley, South Taranaki, Q22/77	1	34
2008.1042.1	Ward Lime Kilns, Marlborough District, P29/18	2	36
2008.1043.1	Onawe Pa, Akaroa Harbour, Banks Peninsula, 'S94/23, 'N36/86	5	71
2008.1044.1	Okiwi Bay, Kaikoura, S42/8, P31/5	1	1
2008.1045.1	Bells Island, Nelson District, S20/3, N27/119	1	3
2008.1046.1	Mason's Peninsula, Lyttelton Harbour, S46/6, L32/5	1	3
2008.1047.1	Darfield, Canterbury, S75/5, M35/4	1	2
2008.1048.1	Budges Island, Marlborough, P28/40	1	5
2008.1049.1	Kaikoura, S42/4, P31/1	1	3
2008.1050.1	35 Avoca St, Kaikoura, S49/40, O31/24	1	3
2008.1051.1	Cannibal Bay, South Otago, S184/4, M36/44	1	3
2008.1052.1	Anapai, Nelson District, S9/13, N25/59	1	6
2008.1053.1	Motunau, North Canterbury, S68/29, N34/12	1	11
2008.1054.1	Alford Forest, North Canterbury, S61/2, M33/9	1	3
2008.1055.1	Black Sandy Bay, Otago, S146/1, J42/17	1	4
2008.1056.1	Eyre River, Mt Oxford, Inland Canterbury, L34/1	1	3
2008.1057.1	Ana Moe Cave, Sumner, Canterbury, S84/122, M36/51	1	4
2008.1058.1	Castle Hill, Westland, S46/4, L31	1	4
2008.1059.1	Cooks Beach, Coromandel, N44/392, T11/508	1	1
2008.1060.1	Sandy Bay, Banks Peninsula, S85/1, N36/72	1	1
2008.1061.1	Tairua, Coromandel, N44/4, T11/64	1	2
2008.1062.1	Taumutu, Lake Ellesmere District, S93/3, O31/5	1	1
2008.1063.1	Marine Hotel, Sumner, Canterbury	1	8
2008.1064.1	Sumner, Unprovenanced, Canterbury	1	19
2008.1065.1	Chaytor Estate, Blenheim, Marlborough, S22/2, P27/81	2	31
2008.1066.1	Cape Maria van Diemen, Northland, M02/29	1	2
2008.1067.1	Tauranga Bay, Cape Foulwind, West Coast, K29/2	1	2
2008.1068.1	Totaranui, Nelson district, N25/61	1	2

2008.1069.1	Ikoraki Whaling Station, Banks Peninsula, M37/163	1	58
2008.1070.1	Te Raka-a-Hineatea, North Otago, S146/4, I43/24	1	2
2008.1071.1	Te Mata Hapuku, Birdlings Flat, Bank Peninsula	1	2
2008.1072.1	Symes, Kaikoura district, S49/73, O31/52	1	20
2008.1073.1	Te Hakapureirei, North Otago, S146/1, J42/17	1	1
2008.1074.1	Oaro, Kaikoura district, S55/6, O32/19	1	3
2008.1075.1	Tekapo, Inland Canterbury, S100/7, I37/8	1	2
2008.1076.1	Tekapo, Inland Canterbury, S90/2, I37/2	1	1
2008.1077.1	Mt Pleasant Area, Canterbury, S84/164, M36/88	1	1
2008.1078.1	McCormacks Bay, Christchurch, S84/120, M36/49	2	43
2008.1079.1	Kaitorete Spit, Banks Peninsula, S93/7, M37/7	1	7
2008.1080.1	Whiritoa Beach, Coromandel, N53/4, T12/503	1	1
2008.1081.1	Lake Coleridge, Inland Canterbury	2	12
2008.1082.1	Otokokiki, Banks Peninsula, S49/23, O31/15	1	11
2008.1083.1	Otama, Coromandel, N40/576, T10/654	1	1
2008.1084.1	Little Bay, Coromandel, N40/560, T10/639	1	1
2008.1085.1	Oashore, Banks Peninsula, M37/162	1	61
2008.1086.1	Lane's New Quarry Site, Mt Pleasant	1	1
2008.1087.1	Moeraki, North Otago, J42/33	1	1
2008.1088.1	Matarangi, Coromandel	1	2
2008.1089.1	Maori Cave, Lebons Bay, Banks Peninsula, N36/102	1	2
2008.1090.1	Pukaki Inn, Mackenzie Country, S100/5, H38/9	1	30
2008.1091.1	Nenthorn, North Otago, S145/1, I43/23	8	252
2008.1092.1	Moa Bone Point Cave, Redcliffs, Canterbury, S84/77, M36/25	10	105
2008.1093.1	Maungatapu Pa Beach, Coromandel	1	1
2008.1094.1	Motuki, Nelson	1	1
2008.1095.1	Longbeach, Otago	2	22
2008.1096.1	Oliver's Property, Kaikoura	2	8
2008.1097.1	Puponga, Golden Bay	1	1
2008.1098.1	Mt Maunganui, Coromandel District	1	2
2008.1099.1	Mapoutahi Pa, Otago, S164/13, I44/17	1	1
2008.1100.1	Lakeside, Lake Ellesmere, Canterbury	1	5
2008.1101.1	Whalers Bay Cave, Kaikoura Peninsula, S49/20, O31/12	1	3
2008.1102.1	Days Bay, Wellington	1	4
2008.1103.1	Nelson, Unlocalised	1	1
2008.1104.1	Marfells Beach, Marlborough district	1	36

2008.1105.1	Rakaia Mouth, South Canterbury, S93/20, L37/4	13	265
2008.1106.1	Rakaia Gorge, South Canterbury, S93/29, L37/6	1	6
2008.1107.1	Rakaia Gorge, Inland Canterbury, S82/3, K36/10	1	10
2008.1108.1	Redcliffs, Sumner, S84/76, M36/24	10	246
2008.1109.1	Panau, Banks Peninsula, S85/1, N36/72	8	58
2008.1110.1	Portland Island, Hawkes Bay, Y20/41	1	1
2008.1111.1	Rings Beach, Coromandel, N40/562, T10/641	1	1
2008.1112.1	Puketoi, Unlocalised	1	3
2008.1113.1	Paekakariki, Wellington District,	1	1
2008.1114.1	Port Jackson, Coromandel, N35/258, S09/109	1	1
2008.1115.1	Shepherds Bush Creek	5	50
2008.1116.1	Rakautara Pa, Kaikoura, S49/2, P31/9	1	1
2008.1117.1	Pareora, near Timaru, South Canterbury	1	3
2008.1118.1	Pentland Downs, Inland Canterbury, S61/20, N33/10	1	7
2008.1119.1	Poutaiki, Katiki Beach, North Otago, S146/23, J42/38	1	3
2008.1120.1	Port Levy Church, Banks Peninsula,	1	1
2008.1121.1	Port Molyneux, South Otago, S179/3, H46/3	1	5
2008.1122.1	Tunnel Shelter, Near Timpandean, Inland Canterbury	1	1
2008.1123.1	Takahanga, Kaikoura, S49/13, O31/5	5	93
2008.1124.1	Shag Point, Otago, S146/5, J43/11	4	37
2008.1125.1	Port Charles, Coromandel, N35/106, T10/7	1	1
2008.1126.1	Pakawau Inlet, Marlborough	1	3
2008.1127.1	Hampden Beach, Otago, S146/16, J42/31	1	2
2008.1128.1	Titirangi, Marlborough Sounds, S16/93, P26/218	1	10
2008.1129.1	Titirangi, Marlborough Sounds, S16/92, P26/217	1	18
2008.1130.1	Titirangi, Marlborough Sounds, S16/89, P26/214	1	11
2008.1131.1	Titirangi, Marlborough Sounds, S16/175, Q27/78	1	1
2008.1132.1	Titirangi, Marlborough Sounds, S16/82, P26/207	1	3
2008.1133.1	Titirangi, Marlborough Sounds, S16/85, P26/210	1	1
2008.1134.1	Titirangi, Marlborough Sounds, S16/91, P26/216	1	3
2008.1135.1	Titirangi, Marlborough Sounds, S16/103, P26/228	1	1
2008.1136.1	Titirangi, Marlborough Sounds, S16/115, P26/246	1	4
2008.1137.1	Nilson test pit, Kaikoura Peninsula, S49/59, O31/39	1	8
2008.1138.1	Jorgensen's Paddock, Kaikoura Peninsula	1	1
2008.1139.1	Armers Beach, Kaikoura Peninsula	1	2
2008.1140.1	Ohingaroa, Marlborough, S15/15, P27/6	1	1

2008.1141.1	Ohingaroa, Marlborough, S15/14, P27/5	1	1
2008.1142.1	Portage Bay, Marlborough, S16/9, P27/25	1	2
2008.1143.1	Kenepuru Sound, Marlborough district, S16/13, 'P27/29	1	1
2008.1144.1	Double Bay, Marlborough, S15/11, P27/2	1	1
2008.1145.1	Double Bay, Marlborough, S15/12, P27/3	1	1
2008.1146.1	Broughton Bay, Marlborough District, S15/19, P27/10	1	6
2008.1147.1	Waipapa, Kaikoura district, S24/4, P31/1	1	1
2008.1148.1	Refuge Island (Takataka), Lake Brunner, West Coast, K32/1	1	6
2008.1149.1	Pah Point, Lake Brunner, West Coast, K32/5	1	3
2008.1150.1	Weka Pass Shelter, Timpendean, Inland Canterbury, S61/4, M33/11	2	30
2008.1151.1	Castle Hill Village Rock Shelter, Inland Canterbury, S66/7, K34/7	1	1
2008.1152.1	Neils Beach, Jackson's Bay, Westland, S97/1, E37/1	1	4
2008.1153.1	Twelve Mile Cave, near Greymouth, West Coast, J31/21	1	1
2008.1154.1	Poerua Saddle, near Lake Brunner, Westland	1	1
2008.1155.1	Kaitorete Spit, Unprovenanced, Banks Peninsula	1	30
2008.1156.1	Paekakariki, Wellington district	1	1
2008.1157.1	Grays Hill, South Canterbury, S109/1, I38/1	9	49
2008.1158.1	Clarence, Kaikoura district, Unlocalised	1	6
2008.1159.1	Clarence, Kaikoura district, S42/10, P30/4	1	1
2008.1160.1	Clarence, Kaikoura district, S42/11, P30/5	1	1
2008.1161.1	Clarence, Kaikoura district, P30/36	1	9
2008.1162.1	Clarence, Kaikoura district, P30/38	1	3
2008.1163.1	Gore Bay, Kaikoura district, S62/4, O33/5	1	28
2008.1164.1	Greta Valley Rock Shelter, North Canterbury, S61/24, N33/14	1	1
2008.1165.1	Pa Site, Kaikoura Peninsula, S49/18, O31/10	1	1
2008.1166.1	Petries, Waikuku, North Canterbury	1	6
2008.1167.1	Bromley, Christchurch, S84/46, M35/323	2	41
2008.1168.1	Gowan Hill Shelter, Weka Pass, Inland Canterbury	1	3
2008.1169.1	Goughs Bay, Banks Peninsula	1	2
2008.1170.1	Golden Bay Stream, Nelson District	1	1
2008.1171.1	Glenmark, Canterbury	1	1
2008.1172.1	Galloway Quarry, Central Otago	1	1
2008.1173.1	Gore Bay, Kaikoura District, S62/17, O33/15	1	1
2008.1174.1	Goose Bay, Kaikoura District, Marlborough	1	50
2008.1175.1	Railway Station Yard, Goose Bay, Kaikoura district	1	1

2008.1176.1	Hudson Site, Goose Bay, Kaikoura district	1	1
2008.1177.1	Gordons Valley, South Canterbury	2	1
	Total at November 2008	**794**	**12071**