Question On Notice No. 5959 asked in the **Legislative Council** on **27 February 2008** by **Hon Giz Watson**

Question Directed to the: **Parliamentary Secretary representing the Minister for Culture and the Arts**
Minister responding: **Hon S.M. McHale**
Parliament: **37** Session: **1**
Tabled Paper No: **3836**

Question
Japanese-owned INPEX Browse Ltd is proposing to establish a 12 million tonne per annum liquefied natural gas plant on the Maret Islands on the North-West Kimberley Coast. Toho Gas Company, Tokyo Electric Power Co. Ltd and Tokyo Gas Company Ltd are Corporate Partners of the Western Australian Museum. Each are Japanese electricity and gas utilities servicing the Japanese market almost exclusively and stand to be major customers of the proposed INPEX Ichthys LNG development. The Western Australian Museum, as outlined in its values statement, inter alia, 'endeavours to play a vital role in terms of its operations, research, education and communication on environmental sustainability issues'. I ask –

(1) Has the Western Australian Museum (WA Museum) entered into any arrangement with INPEX Browse Ltd or its associated entities, including major shareholders or customers to which it supplies (hereafter referred to as INPEX), for the provision of resources (financial or otherwise) to the WA Museum, or parties associated with the WA Museum (including parties that have been or are to be commissioned to undertake work on behalf of the WA Museum, or parties sub-contracted to those parties), for the conduct of terrestrial or marine research at, or in the vicinity of, the Maret Islands?

(2) If yes to (1), can the Minister table any documentation relating to these arrangements, including the terms under which INPEX has agreed to provide and/or has provided the said resources to the WA Museum and/or associated parties?

(3) If no to (2), can the Minister provide a detailed overview as to the nature of these arrangements and the terms under which INPEX has agreed to provide and/or has provided the said resources to the WA Museum and/or associated parties, including -

(a) the commercial A$ value of these resources;

(b) the corporate and trading names from which the said resources have been and/or are to be provided;

(c) the dates upon which the said resources have been and/or are to be provided and the commercial A$ value provided upon each date;

(d) the corporate and trading names to which the said resources are to be provided (whether Government or otherwise);

(e) specific projects benefiting from receipt of the said resources, and the names of the people responsible for management of those projects; and

(f) reports produced as a result of the receipt of the said resources, or that are currently in production or will be produced?

(4) Has the WA Museum entered into any arrangement with INPEX for the provision of resources (whether financial or otherwise) to the WA Museum, or parties associated with the WA Museum (including parties that have been or are to be commissioned to undertake work on behalf of the WA Museum, or parties sub-contracted to those parties), for the conduct of terrestrial or marine research in the Kimberley region?

(5) If yes to (4), can the Minister table any documentation relating to these arrangements, including the terms under which INPEX has agreed to provide and/or has provided the said resources to the WA Museum and/or associated parties?

(6) If no to (5), can the Minister please provide a detailed overview as to the nature of these arrangements and the terms under which INPEX has agreed to provide and/or has provided the said resources to the WA Museum and/or associated parties, including -

(a) the total commercial A$ value of these resources;

(b) the corporate and trading names from which the said resources have been and/or are to be provided;

(c) the dates upon which the said resources have been and/or are to be provided, and the commercial A$ value provided upon each date;

(d) the corporate and trading names to which the said resources are to be provided (Government or otherwise);

(e) specific projects benefiting from receipt of the said resources and the names of the people responsible for management of those projects; and

(f) reports produced as a result of the receipt of the said resources, or that are currently in production or will be produced?

(7) Has the WA Museum entered into any arrangement with INPEX for the provision of resources (whether financial or otherwise) to the WA Museum, or parties associated with the WA Museum (including parties that have been or are to be commissioned to undertake work on behalf of the WA Museum, or parties sub-contracted to those parties), for the conduct of terrestrial or marine research outside of the Kimberley region?

(8) If yes to (7), can the Minister table any documentation relating to these arrangements, including the terms under which INPEX has agreed to provide and/or has provided the said resources to the WA Museum and/or associated parties?

(9) If no to (8), can the Minister provide a detailed overview as to the nature of these arrangements and the terms under which INPEX has agreed to provide the said resources to the WA Museum and/or associated parties, including -

(a) the total commercial A$ value of these resources;

(b) the corporate and trading names from which the said resources have been and/or are to be provided;

(c) the dates upon which the said resources have been and/or are to be provided and the commercial A$ value provided upon each date;

(d) the corporate and trading names to which the said resources are to be provided (whether Government or otherwise);

(e) specific projects benefiting from receipt of the said resources, and the names of the people responsible for management of those projects; and

(f) reports produced as a result of the receipt of the said resources, or that are currently in production or will be produced?

(10) Has the WA Museum entered into any arrangement with INPEX for the provision of resources (whether financial or otherwise) to the WA Museum, or parties associated with the WA Museum (including parties that have been or are to be commissioned to undertake work on behalf of the WA Museum, or parties sub-contracted to those parties), for the conduct of work by the WA Museum or parties associated with the WA Museum at or in the vicinity of the Maret Islands?

(11) If yes to (10), can the Minister table any documentation relating to these arrangements, including the terms under which INPEX has agreed to provide and/or has provided the said resources to the WA Museum and/or associated parties?

(12) If no to (11), can the Minister provide a detailed overview as to the nature of these arrangements and the terms under which INPEX has agreed to provide and/or has provided the said resources to the WA Museum and/or associated parties, including -

(a) the total commercial A$ value of these resources;

(b) the corporate and trading names from which the said resources have been and/or are to be provided;

(c) the dates upon which the said resources have been and/or are to be provided and the commercial A$ value provided upon each date;

(d) the corporate and trading names to which the said resources are to be provided (whether Government or otherwise);

(e) specific projects benefiting from receipt of the said resources, and the names of the people responsible for management of those projects; and

(f) reports produced as a result of the receipt of the said resources, or that are currently in production or will be produced?

(13) Has the WA Museum entered into any arrangement with INPEX for the provision of resources (whether financial or otherwise) to the WA Museum, or parties associated with the WA Museum (including parties that have been or are to be commissioned to undertake work on behalf of the WA Museum, or parties sub-contracted to those parties), for the conduct of work in the Kimberley region?

(14) If yes to (13), can the Minister table any documentation relating to these arrangements, including the terms under which INPEX has agreed to provide and/or has provided the said resources to the WA Museum and/or associated parties?

(15) If no to (14), can the Minister provide a detailed overview as to the nature of these arrangements and the terms under which INPEX has agreed to provide and/or has provided the said resources to the WA Museum and/or associated parties, including -

(a) the total commercial A$ value of these resources;

(b) the corporate and trading names from which the said resources have been and/or are to be provided;

(c) the dates upon which the said resources have been and/or are to be provided and the commercial A$ value provided upon each date;

(d) the corporate and trading names to which the said resources are to be provided (whether Government or otherwise);

(e) specific projects benefiting from receipt of the said resources, and the names of the people responsible for management of those projects; and

(f) reports produced as a result of the receipt of the said resources, or that are currently in production or will be produced?

(16) Has the WA Museum entered into any arrangement with INPEX for the provision of resources (whether financial or otherwise) to the WA Museum, or parties associated with the WA Museum (including parties that have been or are to be commissioned to undertake work on behalf of the WA Museum, or parties sub-contracted to those parties), for the conduct of work outside of the Kimberley region?

(17) If yes to (16), can the Minister table any documentation relating to these arrangements, including the terms under which INPEX has agreed to provide the said resources to the WA Museum and/or associated parties?

(18) If no to (17), can the Minister provide a detailed overview as to the nature of these arrangements and the terms under which INPEX has agreed to provide and/or has provided the said resources to the WA Museum and/or associated parties, including -

(a) the total commercial A$ value of these resources;

(b) the corporate and trading names from which the said resources have been and/or are to be provided;

(c) the dates upon which the said resources have been and/or are to be provided and the commercial A$ value provided upon each date;

(d) the corporate and trading names to which the said resources are to be provided (whether Government or otherwise);

(e) specific projects benefiting from receipt of the said resources, and the names of the people responsible for management of those projects; and

(f) reports produced as a result of the receipt of the said resources, or that are currently in production or will be produced?

(19) Does the WA Museum have any staff (whether full-time or part-time) on full or part-time secondment to INPEX and/or consultants associated with the INPEX terrestrial or marine studies in relation to its proposed Ichthys LNG project?

(20) If yes to (19), can the Minister provide a detailed overview as to -

(a) the names of the staff involved, including their titles and areas of expertise;

(b) the length of the secondment(s);

(c) the nature of any financial compensation being received by the WA Museum for the secondment and its value;

(d) the work to be undertaken by each of the staff members involved;

(e) whether the work undertaken by each of the staff members, and their findings, will be publicly made available and documented and

(f) whether the work undertaken by each of the staff members, and their findings, will be subject to public and independent peer review?

(21) Has the WA Museum had any staff (whether full-time or part-time) on full or part-time secondment to INPEX and/or consultants associated with the INPEX terrestrial or marine studies in relation to its proposed Ichthys LNG project at any time?

(22) If yes to (21), can the Minister provide a detailed overview as to -

(a) the names of the staff involved, including their titles and areas of expertise;

(b) the length of the secondment(s);

(c) the nature of any financial compensation being received by the WA Museum for the secondment and its value;

(d) the work undertaken by each of the staff members involved;

(e) whether the work undertaken by each of the staff members, and their findings, will be publicly made available and documented; and

(f) whether the work undertaken by each of the staff members, and their findings, will be subject to public and independent peer review?

(23) Can the Minister outline what operational interests each of Toho Gas Company, Tokyo Electric Power Co. Ltd and Tokyo Gas Company Ltd have in Western Australia, a State some ten thousand kilometres away from their dominant operational and customer base?

(24) Can the Minister outline what corporate benefit each of Toho Gas Company, Tokyo Electric Power Co. Ltd and Tokyo Gas Company might obtain from a philanthropic association with the Western Australian Museum: an organization located well over ten thousand kilometres away from their dominant operational and customer base?

Answered on 1 April 2008

(1)

Yes - The Department of Maritime Archaeology (2006) (DMA)

Yes - The Aquatic Zoology Department of the WA Museum (2006) (AZD)

(2)

No - DMA

Yes - AZD (Attachment 1)

(3)

(a)

DMA - $16 950

AZD - $34 199

(b)

DMA - Arch-Aus Pty Ltd & ERM Environmental Consultants

AZD - RPS Environmental Consultancy

(c)

DMA - December 2006: $16 950

AZD - January 2008: $34 199

(d)

The Western Australian Museum

(e)

No special projects benefited from said resources. Salary and travel expenses recouped only.

(f)

DMA - This information was provided to Archae-Aus and forms part of the report submitted to Environmental Resource Management (ERM) Pty Ltd on behalf of INPEX in August 2007:

Hook, F., Paterson., A and Souter, C., (2007) Maritime and Historical Heritage Desktop Assessment and Cultural Heritage Management Plan - Ichthys Gas Field Development Project Area, Kimberley, Western Australia.

(4) The Maret Islands are considered to be in the Kimberley region. Refer to questions (1) - (3)

(5) - (6) Not applicable

(7) No

(8) - (9) Not applicable

(10) Refer to question 1

(11) Refer to question 2

(12) Refer to question 3

(13) Refer to question 4

(14) Refer to question 5

(15) Refer to question 6

(16) Refer to question 7

(17) Refer to question 8

(18) Refer to question 9

(19) No

(20) Not applicable

(21) Yes

(22)

(a)

DMA - Jeremy Green Head of Department, Department of Maritime Archaeology

Corioli Souter, Maritime Archaeologist

(b)

One Month

(c)

Specialist sub-Consultant Contract for $16 950

(d)

Desktop research/Gap Analysis, baseline assessment of INPEX provided sidescan sona data and the production of a management plan.

(e)

Unknown. This information was provided to Archae-Aus and forms part of the report submitted to Environmental Resource Management (ERM) Pty Ltd on behalf of INPEX in August 2007: Hook, F., Paterson, A. and Souter, C., (2007) Maritime and Historical Heritage Desktop Assessment and Cultural Heritage Management Plan - Ichthys Gas Field Development Project Area, Kimberley, Western Australia.

(f)

Unknown. Dependent on confidentiality issues with proponent.

(23) This should be referred to the Minister for State Development

(24) The companies named above were part of a Japanese consortium of 12 companies who donated to the Discovery Centre Appeal during 1997 to 1999. The appeal was led by Sir Charles Court AK KCGM OBE, Patron of the WA Museum

The total donated by the companies named above was $64 394.24.

The Appeal carried the endorsement of the Federation of Economic Organizations which authorised tax exemption from the Japanese Tax agency. The Appeal gained endorsement as an Overseas Contribution Project of the Council of Better Corporate Citizenship.

Attachment 1

Preliminary Proposal and Budget for a survey of the Non-marine molluscs of the Maret Islands, NWA, by the Western Australian Museum, October-November 2006

S.M. Slack-Smith
September 2006

The non-marine molluscan fauna of the Maret Islands, Bonaparte Archipelago, NWA, has never been surveyed.

As with other Kimberley islands or the adjacent coastal areas of the mainland, very little information is currently available on the land snail fauna of the Maret Islands, with only a single taxon, an endemic subspecies of a widespread Kimberley species, has been recorded from these islands.

However, it can be confidently postulated that a diversity of snail species, both prosobranch and pulmonate, inhabit the varied habitats reported from these islands.

Outline of Survey

Objectives:
The aim of such a survey would be to ascertain the composition and distribution of the non-marine molluscan fauna of the Maret Islands, including those areas that could be affected by industrial and associated operations.

Methodology etc.

Preparation "in house"
After examination of maps, aerial photographs, written reports and data contained within the Museum's collections, a plan to survey areas typical of the various habitats existing on the Maret Islands would be determined within limits imposed by the terrain and apparent habitat diversity of the island, by problems of access, by the level of assistance available and by the time available.

Survey work on site
The snail fauna of the various habitat types would be surveyed by:

- hand collecting of representative specimens (living and dead) of all snail taxa at survey stations established within habitats such as rainforests and vine thickets, open and closed woodlands, etc. Within these survey station areas, microhabitats would be searched, such as vegetated and un-vegetated areas, hard and soft substrates (including all soil types with and without evident plant litter) and on and under living and dead plants (under bark, on foliage, etc.).

- collecting soil and litter samples from each survey station, which would be initially coarsely screened. The finer screenings would be retained for later examination in the laboratory.
- labeling and packing all molluscan specimens and soil samples for transport to the laboratory.

Laboratory Work

- The soil samples would be further sieved and examined under the microscope, searching for specimens of small to minute species and for juveniles of these and larger species

- Dead-taken specimens would be cleaned and live-taken ones narcotised and preserved by methods suitable for anatomical and/or genetic study

- Specimens would be identified (to the species level if possible) with the aid of relevant literature and by comparison with specimens in the Museum's collections.

- Specimen lots would be deposited in the Museum's collections as voucher specimens after being labeled and registered on the Museum's database.

Reporting

A draft report would be prepared giving details of:

- descriptions of the survey stations, their positions (ascertained by GPS) and outlines of their physiography, soil and rock types, and vegetation

- the taxonomic position of each species of non-marine snail encountered at each station, with generic and specific identity (where available).

- information as available on the distribution of each taxon, endemic or foreign to the Maret Islands, as well as on other islands and/or the mainland where available and applicable.

- analysis of data to determine any impact they might have on the proposed developments.

- suggestions on management procedures to promote the well-being of any threatened native taxon, if appropriate.

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Budget

In-house Preparation – 3 hours (specialist work), 3 hours (technical work)
= 3 x ($125 + $85) = $630

Fieldwork and Travel
Museum rates are $125/hour for curatorial staff, $85/hour for technical staff during weekdays. During Saturdays the rates are 50 per cent higher and on Sundays and Public Holidays are 100 per cent higher.

SSS – Travel - approximately 2 days (Sunday October 29 & Sunday November 5) (2x2x7.5x$125) = $3 750

Fieldwork - approximately 5 week days (October 30 to November 3) and 1 Saturday (November 4) (5x10x$125.00)+ (1x1.5x10x$125) = $8 125

CW – Travel – approximately 2 days (Sunday October 29 & Sunday November 12) + (2x2x7.5x$85.00) = $2 550

Fieldwork - approximately 10 weekdays (October 30 to November 10) and 2 Saturdays (November 4 & November 10) (10x10x$85)+ (2x1.5x10x$85) = $11 050

Taxis - Home to/from Perth Airport (4 x $30) = $ 120

In-house curation of specimens
(Seiving & microscopic sorting soil/litter samples (approx. 40 samples); narcotising, preserving, bottling, labelling & registering live & dead-taken specimens
65 hours (technical work – casual contract)
(65 x $20) =$1 300

In-house identifying of specimens
Approx. 15 hours (specialist work)
(15 x $125) =$1 875

Draft Report Preparation
8 hours (specialist work),
4 hours (technical work (maps, etc.))
(8 x $125) + (4 x $85) =$1 340

Final Report Preparation
2 hours (specialist work)
(2 x $125.00) = $250

Incidental costs
Glassware, alcohol, etc =$100

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TOTAL = **$31 090**

Assuming that
consultancy company will provide:

- some means of communication in the field (radio phone or similar)
- air travel - bookings and costs
- local travel costs
- on-board accommodation costs
- freight costs for specimen samples, if necessary

WA Museum will provide:

- Field equipment, including GPS & digital camera
- In-house equipment including dissecting microscope

PRELIMINARY REPORT
ON THE LAND SNAIL SURVEYOF THE MARET ISLANDS
AND SOME NEARBY ISLANDS OF THE BONAPARTE ARCHIPELAGO,
WESTERN AUSTRALIA,

OCTOBER-NOVEMBER, 2006

S.M. Slack-Smith and C.S. Whisson
Western Australian Museum
November 2006

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TABLE 5

Table 1 - Preliminary Station List – Locality data for stations sampled on the Maret Islands and nearby islands of the Bonaparte Archipelago during the land snail survey.

FIGURES

1 Satellite Images of the Maret Islands showing locations (currently un-numbered) of land snail survey stations
- 1a. North Maret Island
- 1b. South Maret Island

INTRODUCTION

A survey of the non-marine terrestrial molluscs of the Maret Islands was carried out between October 29 and November 11, 2006 by S.M. Slack-Smith and C.S. Whisson of the Aquatic Zoology Department of the Western Australian Museum.

The non-marine terrestrial molluscs of this area have never been comprehensively surveyed, only isolated snail specimens having been collected during and since the early exploration of the western Kimberley region.

A single taxon, the subspecies *Amplirhagada alta intermedia* Solem, 1981 has been reported in the literature as having been collected from the Maret Islands, as well as from East Montalivet Island.

A few other land snail species have been recorded from nearby areas. These include the camaenid species:-

- *Amplirhagada pusilla* Solem, 1981, from the north shore of Prince Frederick Harbour
- *Amplirhagada wilsoni* Solem, 1981, from areas along the Roe River inland of Prince Frederick Harbour
- *Setobaudinia* sp. 3 of Solem, 1989, southwest side of Prince Frederick Harbour and just northeast of Cape Brewster on York Sound
- *Baudinella baudinensis* (E.A. Smith, 1893), near Voltaire Passage on east side of Montague Sound & Baudin I., Institute Islands
- *B.* n.sp.7 of Solem, 1989, near coastal localities of York Sound & Prince Frederick Harbour
- *B.* n.sp. 8 of Solem, 1989, Bigge I. & adjacent mainland

and the non-camaenid species:-

- *Pleuropoma walkeri* (E.A. Smith, 1894), Baudin I., Institute Islands.

PROCEDURES

Snail survey stations were established on both the North and the South Maret Islands, concentrating on the plateau areas and on the slopes (particularly those containing vine thickets). Other survey stations were established on some of the other islands of the Bonaparte Archipelago. These included the East and West Montalivet Islands, Don Island, Un-named Island (currently un-named), Patricia Island, Walker Island, Berthier Island and Lamarck Island. (see Table 1 - Preliminary Station List).

Of the areas surveyed for land snails:-

- Survey Stations Inpex #1 to #52 were surveyed by Museum staff
- Survey Stations Inpex #53 to #107 were surveyed by Museum staff with other researchers
- Survey Stations W/F-1 to W/F-27 were surveyed by other researchers (GPS data not yet checked).

At each survey station a GPS reading was recorded (see Preliminary Table 1), together with notes on the time, locality, habitat and floral assemblage. The habitat and floral data is to be included in Table 1 for the final report.

Hand collecting of snails was carried out at each survey station. In addition, samples of soil/litter were collected from Inpex stations #1 to #92, and at some of the other Inpex survey stations. The emphasis for Inpex stations #93 to #107 was on hand collecting live specimens of the larger, rock-dwelling species.

Each soil/litter sample (of approximately 1 litre in volume) underwent initial sieving in the field to remove large objects such as stones, leaves, twigs, etc. as well as the finest dust. The sieved material – along with those specimens collected by hand within the station area – were then bagged, labelled and prepared for transport.

Later, in the laboratory, the soil/litter samples were again sieved and sub-samples of each grade of litter and sand were examined under a dissecting microscope. From these sub-samples snails, both living and dead, were selected, sorted and labelled.

RESULTS

Survey Stations

The locations of survey stations on the Maret Islands are indicated on Figures 1a and 1b. Currently these figures do not give the numbering of the Maret Islands survey stations but these will appear on the figures to be included in the final report. Figures indicating the location of survey stations on other islands of the Bonaparte Archipelago will also be given in the final report.

In addition to the GPS reading for each survey station (as given in Table 1), notes on the locality, habitat and floral assemblage will be included in a Table to be included in the final report.

Specimen Analysis

To date (November 30, 2006), 53 of the 120 soil/litter samples have been examined and the snail specimens from these samples – minute and larger, dead and alive – have been sorted and labelled, and await identification.

Material from the samples processed so far indicates that the species diversity of land snails within a single sample ranges between 2 and 9 species, with up to 4 of these species belonging to the family Camaenidae.

Other families currently identified in the samples are the Helicarionidae, Helicinidae, Helicodiscidae, and Pupillidae. Preliminary results indicate that each of the first three of these families is represented by only a single species. The family Pupillidae is, however, slightly more diverse.

COMMENT

In those instances in which sufficient live-taken specimens of a single species were taken, some specimens will be preserved in 100% ethanol and some will be stored in an Ultrafreezer to allow for subsequent DNA or similar analysis. Others will be fixed in neutralised formalin and then preserved in methylated ethanol for subsequent anatomical work.

Dead-taken shells as well as the preserved live-taken material will be registered in the Museum's database and stored in the Museum's research collections.

Table 1 - Preliminary Station List – Locality data for stations sampled on the Maret Islands and nearby islands of the Bonaparte Archipelago during the land snail survey.

Inpex Stn. No.	Locality	Date	Time	Aspect	UTM (Zone 51) Easting	Northing
1	North Maret I.	29-x-06	1530 hrs	Slope Base (above beach)	713534	8406488
2A	North Maret I.	29-x-06	1640 hrs	Slope Base (above beach)	713525	8405784
2B	North Maret I.	29-x-06	1640 hrs	Slope Base (above beach)	713525	8405784
3A	South Maret I.	30-x-06	0705 hrs	Slope Base (above beach)	713934	8404028
3B	South Maret I.	30-x-06	0705 hrs	Slope Base (above beach)	713934	8404028
4	South Maret I.	30-x-06	0800 hrs	Slope – Mid (gully)	713936	8403875
5	South Maret I.	30-x-06	0835 hrs	Slope Base (gully)	713911	8403903
6	South Maret I.	30-x-06	0910 hrs	Slope Base (gully)	713923	8403913
7A	South Maret I.	30-x-06	1000 hrs	Slope - Mid	713947	8403861
7B	South Maret I.	30-x-06	1000 hrs	Slope - Mid	713947	8403861
8A	South Maret I.	30-x-06	1048 hrs	Slope Base (above beach)	714071	8403700
8B	South Maret I.	30-x-06	1048 hrs	Slope Base (above beach)	714071	8403700
9A	South Maret I.	30-x-06	1245 hrs	Slope Base (above beach)	714420	8403376
9B	South Maret I.	30-x-06	1245 hrs	Slope Base (above beach)	714420	8403376
10A	South Maret I.	30-x-06	1455 hrs	Slope Base (gully)	714156	8403341
10B	South Maret I.	30-x-06	1455 hrs	Slope Base (gully)	714156	8403341
11	South Maret I.	30-x-06	1615 hrs	Slope – Mid (gully)	714196	8403287
12	South Maret I.	31-x-06	0715 hrs	Plateau	713647	8401850
13A	South Maret I.	31-x-06	0750 hrs	Plateau	713476	8401710
13B	South Maret I.	31-x-06	0750 hrs	Plateau	713476	8401710
14A	South Maret I.	31-x-06	1000 hrs	Plateau	713255	8401691
14B	South Maret I.	31-x-06	1000 hrs	Plateau	713255	8401691
15	South Maret I.	31-x-06	0405 hrs	Plateau	713669	8401678
16	South Maret I.	31-x-06	0515 hrs	Slope - Top	713863	8401750
17	South Maret I.	31-x-06	0555 hrs	Slope - Top	713737	8401682
18	South Maret I.	31-x-06	0635 hrs	Slope Base (above beach)	713680	8401564
19	East Montalivet I.	01-xi-06	0900 hrs	Slope Base (above beach)	747542	8419122
20	East Montalivet I.	01-xi-06	0905 hrs	Slope Base (above beach)	747532	8419134
21	East Montalivet I.	01-xi-06	0945 hrs	Slope – Mid	747479	8419112
22A	East Montalivet I.	01-xi-06	1015 hrs	Slope – Mid (gully)	747349	8419134
22B	East Montalivet I.	01-xi-06	1015 hrs	Slope – Mid (gully)	747349	8419134
23	West Montalivet I.	01-xi-06	1510 hrs	Slope Base	739701	8417204
24	West Montalivet I.	01-xi-06	1520 hrs	Slope Base	739680	8417232
25A	West Montalivet I.	01-xi-06	1555 hrs	Slope Base	739738	8417464
25B	West Montalivet I..	01-xi-06	1555 hrs	Slope Base	739738	8417464
26	West Montalivet I.	01-xi-06	1628 hrs	Slope Base (above beach)	739910	8417321
27	West Montalivet I.	01-xi-06	1630 hrs	Slope Base (above beach)	739925	8417464
28	West Montalivet I.	02-xi-06	0702 hrs	Slope – Mid (gully)	740106	8418478
29	West Montalivet	02-xi-06	0645 hrs	Slope – Mid (gully)	740100	8418451

	I.					
30	West Montalivet I.	02-xi-06	0743 hrs	Slope – Mid (gully)	740087	8418521
31	West Montalivet I.	02-xi-06	0725 hrs	Slope – Mid (gully)	740075	8418512
32A	West Montalivet I.	02-xi-06	0815 hrs	Slope Base (above beach)	740121	8418551
32B	West Montalivet I.	02-xi-06	0815 hrs	Slope Base (above beach)	740121	8418551
33A	Lamarck I.	02-xi-06	1430 hrs	Slope Base (above beach)	718003	8365984
33B	Lamarck I.	02-xi-06	1430 hrs	Slope Base (above beach)	718003	8365984
34A	Lamarck I.	02-xi-06	1550 hrs	Slope - Top	717957	8365765
34B	Lamarck I.	02-xi-06	1550 hrs	Slope - Top	717957	8365765
35A	Berthier I.	03-xi-06	0810 hrs	Plateau	713749	8394106
35B	Berthier I.	03-xi-06	0810 hrs	Plateau	713749	8394106
36	Berthier I.	03-xi-06	0925 hrs	Plateau	713686	8393964
37	Berthier I.	03-xi-06	1028 hrs	Plateau	713702	8393946
38	Berthier I.	03-xi-06	1030 hrs	Slope Base (above beach)	713787	8393855
39	North Maret I.	03-xi-06	1417 hrs	Slope Base (above beach)	713761	8407713
40	North Maret I.	03-xi-06	1359 hrs	Slope Base (above beach)	713790	8407700
41	North Maret I.	03-xi-06	1446 hrs	Slope Base (above beach)	713704	8407731
Inpex Stn. No.	**Locality**	**Date**	**Time**	**Aspect**	**UTM (Zone 51) Easting**	**Northing**
42	North Maret I.	03-xi-06	1450 hrs	Slope Base (above beach)	713723	8407724
43	North Maret I.	03-xi-06	1544 hrs	Slope Base (above beach)	713620	8407766
44	North Maret I.	03-xi-06	1535 hrs	Slope Base (above beach)	713643	8407762
45	North Maret I.	03-xi-06	1623 hrs	Slope Base (above beach)	713550	8407982
46	North Maret I.	03-xi-06	1625 hrs	Slope Base (above beach)	713607	8407802
47	North Maret I.	04-xi-06	0835 hrs	Slope – Mid	713826	8406855
48	North Maret I.	04-xi-06	0840 hrs	Slope Base (above beach)	713849	8406824
49	North Maret I.	04-xi-06	0930 hrs	Slope – Mid (gully)	713754	8406890
50	North Maret I.	04-xi-06	0950 hrs	Slope – Mid (gully)	713698	8406853
51	North Maret I.	04-xi-06	0952 hrs	Plateau	713634	8406816
52	North Maret I.	04-xi-06	1045 hrs	Slope – Mid (gully)	713693	8406814
53	South Maret I.	04-xi-06	1622 hrs	Slope Base (above beach)	714320	8401848
54	South Maret I.	04-xi-06	1658 hrs	Slope Base (above beach)	714789	8401870
55	North Maret I.	05-xi-06	0719 hrs	Plateau	713538	8405309
56	North Maret I.	05-xi-06	0757 hrs	Plateau	713815	8404559
57	North Maret I.	05-xi-06	0833 hrs	Plateau	713695	8404903
58	North Maret I.	05-xi-06	0850 hrs	Plateau	713509	8405453
59	North Maret I.	05-xi-06	0922 hrs	Plateau	713231	8405511
60	North Maret I.	05-xi-06	1000 hrs	Plateau	713122	8405567
61	North Maret I.	05-xi-06	1033 hrs	Plateau	713490	8405719
62	North Maret I.	06-xi-06	0742 hrs	Plateau	713180	8406695
63	North Maret I.	06-xi-06	0822 hrs	Plateau	712996	8406364
64	North Maret I.	06-xi-06	0850 hrs	Plateau	713172	8406199
65	North Maret I.	06-xi-06	0920 hrs	Plateau	713366	8406130
66	North Maret I.	06-xi-06	0956 hrs	Plateau	713495	8406547
67	North Maret I.	06-xi-06	1043 hrs	Plateau	713788	8406912
68	North Maret I.	06-xi-06	1128 hrs	Plateau	714013	8407202
69	North Maret I.	06-xi-06	1209 hrs	Plateau	713991	8407603

70	North Maret I.	06-xi-06	1251 hrs	Plateau	713636	8407458
71	North Maret I.	06-xi-06	1335 hrs	Slope – Top (gully)	713374	8407039
72	North Maret I.	07-xi-06	0820 hrs	Slope – Top (gully)	713145	8407582
73	North Maret I.	07-xi-06	0851 hrs	Plateau	713186	8407729
74	North Maret I.	07-xi-06	0922 hrs	Plateau	712924	8407939
75	North Maret I.	07-xi-06	0946 hrs	Plateau	712500	8407577
76	North Maret I.	07-xi-06	1017 hrs	Plateau	712091	8407371
77	South Maret I.	07-xi-06	1139 hrs	Plateau	713770	8401945
78	South Maret I.	07-xi-06	1207 hrs	Plateau	713688	8402146
79	South Maret I.	07-xi-06	1301 hrs	Plateau	713971	8402178
80	South Maret I.	07-xi-06	1333 hrs	Plateau	714293	8402129
81	South Maret I.	08-xi-06	1016 hrs	Plateau	713891	8403655
82	South Maret I.	08-xi-06	1115 hrs	Plateau	713562	8403272
83	South Maret I.	08-xi-06	1150 hrs	Plateau	713720	8403278
84	South Maret I.	08-xi-06	1220 hrs	Plateau	713890	8403249
85	South Maret I.	08-xi-06	1304 hrs	Plateau	714011	8403276
86	South Maret I.	09-xi-06	0547 hrs	Plateau	713503	8402351
87	South Maret I.	09-xi-06	0613 hrs	Plateau	713905	8402241
88	South Maret I.	09-xi-06	0646 hrs	Plateau	714315	8402296
89	South Maret I.	09-xi-06	0712 hrs	Plateau	714403	8402344
90	South Maret I.	09-xi-06	0741 hrs	Plateau	714612	8402218
91	South Maret I.	09-xi-06	0816 hrs	Slope – Top	714769	8402235
92	South Maret I.	09-xi-06	0848 hrs	Slope Base (above beach)	714850	8402284
93	East Montalivet I.	09-xi-06	1530 hrs	Slope – Mid	748458	8419916
94	East Montalivet I.	09-xi-06	1555 hrs	Slope – Top	748424	8419999
95	East Montalivet I.	09-xi-06	1620 hrs	Plateau	748388	8420104
96	East Montalivet I.	09-xi-06	1704 hrs	Slope – Top	748991	8420229
97	Walker I.	10-xi-06	0531 hrs	Slope – Mid	749817	8418100
98	Walker I.	10-xi-06	0619 hrs	Slope – Mid	749573	8418015
99	Walker I.	10-xi-06	0720 hrs	Slope – Mid	750099	8417981
100	Don I.	10-xi-06	0951 hrs	Slope – Top	749919	8421177
101	Don I.	10-xi-06	1020 hrs	Plateau	749957	8421189
102	Don I.	10-xi-06	1039 hrs	Slope – Base	750056	8421356
103	Don I.	10-xi-06	1115 hrs	Slope – Base	749894	8421336
Inpex Stn. No.	**Locality**	**Date**	**Time**	**Aspect**	**UTM (Zone 51) Easting**	**Northing**
104	Unnamed Island	10-xi-06	1155 hrs	Plateau	749514	8421359
105	Patricia I.	10-xi-06	1625 hrs	Slope – Top	749251	8422196
106	West Montalivet I.	11-xi-06	0653 hrs	Slope – Mid	739646	8418835
107	Berthier I.	11-xi-06	1512 hrs	Slope – Mid (gully)	714772	8396378
W/F-01	North Maret I.	13-x-06	-	-	-	-
W/F-02	North Maret I.	13-x-06	-	-	713523	8406553
W/F-03	North Maret I.	13-x-06	-	-	713784	8406777
W/F-04	South Maret I.	13-x-06	-	-	713617	8402140
W/F-05	South Maret I.	13-x-06	-	-	713532	8402131
W/F-06	North Maret I.	13-x-06	-	-	-	-
W/F-07	South Maret I.	?	-	-	714856	8402708
W/F-08	West Montalivet I.	17-x-06	-	-	739687	8417330
W/F-09	Albert I.	17-x-06	-	-	707991	8393969
W/F-10	South Maret I.	13-x-06	-	-	-	-
W/F-11	North Maret I.	05-xi-06	-	-	713367	8405256
W/F-12	North Maret I.	06-xi-06	-	-	713252	8408164
W/F-13	North Maret I.	07-xi-06	-	-	713187	8405302
W/F-14	North Maret I.	07-xi-06	-	-	713200	8405330
W/F-15	North Maret I.	07-xi-06	-	-	713170	8405372
W/F-16	East Montalivet I.	9-xi-06	-	-	749195	8420446
W/F-17	East Montalivet I.	9-xi-06	-	-	749038	8420394
W/F-18	East Montalivet I.	9-xi-06	-	-	749167	8420456
W/F-19	East Montalivet I.	10-xi-06	-	-	747414	8419802
W/F-20	East Montalivet I.	10-xi-06	-	-	747528	8419166
W/F-21	East Montalivet I.	?10-xi-06	-	-	749010	8420380
W/F-22	East Montalivet I.	10-xi-06	-	-	747672	8420458

W/F-23	East Montalivet I.	10-xi-06	-	-	747406	8419716
W/F-24	Patricia I.	10-xi-06	-	-	749278	8422256
W/F-25	Berthier I.	11-xi-06	-	-	715020	8396096
W/F-26	West Montalivet I.	11-xi-06	-	-	740003	8418380
W/F-27	West Montalivet I.	11-xi-06	-	-	740082	8418506