COMPILATION OF ISOTOPIC DATES FROM ANTARCTICA

MINZE STUIVER AND THOMAS F. BRAZIUNAS

Quaternary Research Center and Department of Geological Sciences
University of Washington, Seattle, Washington 98195

This compilation of radiometric data from Antarctica contains abstracted information from 400 publications, resulting in nearly 2500 separate entries. Each entry, or "date listing", gives basic information of the sample site as well as the dating method and the age(s) of the sample analysed. The date list differs from those routinely published in Radiocarbon because we included not only radiocarbon but all dating methods.

Fifty-six percent of the entries describe potassium-argon dates whereas 18 percent are derived from radiocarbon determinations. Rubidium-strontium accounts for 15 percent of the total and all other dating methods comprise the remaining 11 percent.

Nature of contents

The date list consists of three parts:

1. A master list (LIST 1, which was completed through 1982 with partial coverage of 1983 and 1984) of published isotopic dates on rocks, minerals, sediments, organic remains and lake waters of Antarctica. The date listings are grouped into broad geographic areas (Figure 1; Table 1) and arranged systematically by latitude and longitude, as reported in the reference source(s) or as assigned by ourselves.

2. A separate list (LIST 2) of apparent radiocarbon "dates" on modern (known age) organisms, sea water, and lake water from the same geographic areas. This second list is arranged in the same order as the first list.

3. A bibliography of reference sources for the date lists.

LIST 1:

Ages were determined by one of the following dating methods: potassium-argon (^{40}K-^{40}Ar; ^{40}Ar-^{39}Ar total gas release, incremental heating and isochron methods); radiocarbon (^{14}C); fission track (^{238}U); lead isotopic methods (^{207}Pb-^{206}Pb common lead; ^{207}Pb-^{204}Pb, ^{206}Pb-^{204}Pb isochron approach; Pb-alpha); uranium-lead (^{238}U-^{206}Pb and ^{235}U-^{207}Pb and the associated ^{207}Pb-^{206}Pb independent dating, concordia and isochron methods); thorium-lead (^{232}Th-^{208}Pb); rubidium-strontium (^{87}Rb-^{87}Sr); samarium-neodymium (^{147}Sm-^{143}Nd) and uranium-thorium disequilibrium (^{234}U-^{230}Th). Additional details are given in Table 2. These methods were applied to a great variety of sample materials (Table 3).

Each mainland geographic area includes the smaller islands and ice shelves proximate to it, with the exception of islands and ice shelves which

define geographic areas in themselves. Ocean sites within approximately 250 kilometers of the Antarctic coast or its associated islands are also included in the compilation as distinct "geographic areas".

The specific form of each date listing depends on the information available in the reference source(s), and our approximations and inferences. For example, we have assigned approximate geographic coordinates to sample sites when this information is not reported in the reference source(s). Also, in the instances in which different references report divergent information on the same sample (e.g. different coordinates, locations, calculated dates, or sample material), we generally elected to list the information contained in the most recent publication source. We often include the alternative information presented by the other reference source(s) in parenthetical comments that follow the date listing.

In many instances, different publications report a date for what appears to be the same sample although no sample number is explicitly stated. Listing every unlabelled sample separately would greatly extend the length of the date lists. Our dilemma was to avoid a host of repetitions without assuming too much about the identity of the samples beyond the information reported in the reference source(s). We have tried to list each truly different sample only once. Our inferences are stated in the parenthetical comments at the end of each date listing (see format explanation below).

For references that are published in a language other than English, the included information depends on the extent of our translation efforts.

For these reasons and because even the data extracted directly and entirely from one reference source has often been greatly abbreviated to conform to the date list format, we feel that these listings should serve only as a guide to the original references. The reference source(s) should be consulted before referring to any of these listed dates, especially in the cases in which our inferences contributed to the date listing.

To limit the extent of the literature search, isotopic dating of ice and Antarctic meteorites is not included. The compilation does contain "unpublished data" cited in the literature, but dates reported only in unpublished masters and doctoral theses have not been included.

LIST 2:

The separate list of radiocarbon dates on modern (known age) Antarctic materials is pertinent to the question of the magnitude of the "correction factor" for radiocarbon reservoir deficiency. Such a factor must be applied to the conventional radiocarbon dates of Antarctic materials in the first list. Many radiocarbon analyses from outside the geographic extent of this compilation also apply to this problem, for example BRO58, GAR58, HAY75, OMO83, OST80, STI66, and STU69 (for an explanation of the bibliographic code, see the next paragraph).

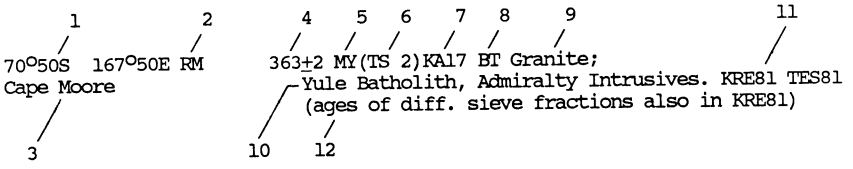
BIBLIOGRAPHY:

The reference bibliography is arranged systematically by code. The first three letters of the code are from the primary author's last name, the two numbers reflect the year of publication, and the final letter (if any) distinguishes articles with otherwise identical codes. When a reference was originally published in a language other than English and an English translation was published in a later year, the earlier date is used in the reference code.

The bibliography generally lists only the references used in the compilation. However, other references with identical information or "preliminary" information occasionally are listed. References that have been used in place of some or all of the information presented in another reference are denoted in parenthetical comments after the listing of the latter reference in the bibliography.

Explanation of date list format

Each date listing has the following general form:



An asterisk following any information in the date list indicates that this information is further explained in the parenthetical comments (12) at the end of the date listing. Each numbered section of the date listing is explained below:

1. SAMPLE COORDINATES are listed in degrees and minutes unless otherwise noted. When more than one sample location is involved in an age determination (e.g. Rb-Sr whole-rock isochrons), either a range of coordinates is listed that encompasses all the sample sites or the average coordinates for the sample sites are listed. Samples with ranges of coordinates are usually entered into the date list sequence according to their average coordinates.

2. THE SOURCE FOR THE LISTED COORDINATES is one of the following codes:

   AR The reported coordinates are approximate.

   G We have approximated the coordinates for the reported sample location, using the 1981 gazetteer of "Geographic Names of the Antarctic" (see ALB81 in the bibliography).

M We have approximated the coordinates for the reported sample location, using available U.S. Geological Survey maps, American Geographical Union Folio Series maps, or National Institute of Polar Research Antarctic Series maps.

R The coordinates are listed as specifically reported.

RM We have approximated the coordinates using the map presented, or referred to, by the reference source(s). U.S. Geological Survey maps, American Geographical Union Folio Series maps, or National Institute of Polar Research Antarctic Series maps may have helped to assign more precise coordinates to a sample site.

3. THE SAMPLE LOCATION is listed as specifically reported, although often substantially abbreviated. Listed information is compressed as much as possible (e.g., "SW, Lake Henderson" means "southwest of Lake Henderson"). A list of abbreviations used for location names and other words in the date lists is presented in Table 4.

Locations which we have inferred are listed within parentheses. Names of locations are listed in quotations if they are not assigned specific coordinates by the reference source(s) and are not listed in the gazetteer of "Geographic Names of the Antarctic" (ALB81).

An "RM" following the sample location indicates that the sample is shown on a map (or photograph) in the reference source. We use this code when we have inferred the name of a sample location from a map (or photograph) in the reference source, or when the map (or photograph) shows a more precise location for the sample than denoted by the listed sample coordinates or sample location.

4. THE SAMPLE AGE is listed as stated in the reference source(s). Multiple dates may be listed, as explained for specific dating methods listed in Table 2.

5. THE SCALE OF THE DATE AND OTHER TERMS used in conjunction with the date are assigned one of the following codes:

BP before present (AD 1950 for radiocarbon)

c. circa

$\delta\,{}^{14}C$, $\Delta\,{}^{14}C$, $d{}^{14}C$ } reported ^{14}C activity (symbols are defined in STU77A)

GT greater than

KY kiloyears (10^3 yr)

LT less than

MY megayears (10^6 yr)

6. THE SAMPLE LAB AND/OR FIELD NUMBER is listed as stated in the reference source(s). When a publication contains two labels for one sample (such as a "lab" and a "field number"), both numbers are listed and set apart by a semicolon. If the listed date is based on several samples, the numbers of all samples are listed and set apart by commas. "(?)" indicates that no sample number is reported.

For Rb-Sr isochrons, U-Pb isochrons, and U-Pb concordia plots based on more than a few samples, no number designation is usually listed. However, if the isochron or chord is based on samples with sequential numbers, the number of the first sample may be listed in quotation marks.

7. THE REPORTED DATING METHOD, DECAY CONSTANTS (λ), HALF LIVES ($T_{1/2}$), AND OTHER CONSTANTS are listed as one of the codes presented in Table 2.

8. THE DATED SAMPLE MATERIAL is listed as a two-letter code (Table 3).

9. THE SAMPLE DESCRIPTION is abridged from information presented in one reference source or from the combined information of more than one reference source.

10. STRATIGRAPHIC/GEOLOGIC INFORMATION is listed as stated in the reference source(s). Stratigraphy inferred by the reference source(s) from the age-determination itself is listed in parentheses. A dash indicates that no stratigraphic or additional geologic information is reported in the reference source(s). This section is not included in a listing when inappropriate.

11. REFERENCE CODE(S) are listed for all references from which information was extracted. The earliest reference to report on the sample and any recent reference that contains a current interpretation of the sample date will also usually be listed.

12. PARENTHETICAL COMMENTS at the end of a date listing may state any discrepancies in the reported information on the sample. We have also used this section to specify when a date is from "unpublished data" or from "personal communication," as stated in the reference source(s).

The abbreviation "infer=" signifies that we have inferred that two or more pieces of non-identical information in the literature (relating to sample date, material, description, dating method, etc.) refer to the same sample and, therefore, are listed as one entry in the compilation. Conversely, the phrase "may be equal to" signifies that, although we suspect that samples presented by different reference sources may actually be the same, we have listed the samples separately in the compilation.

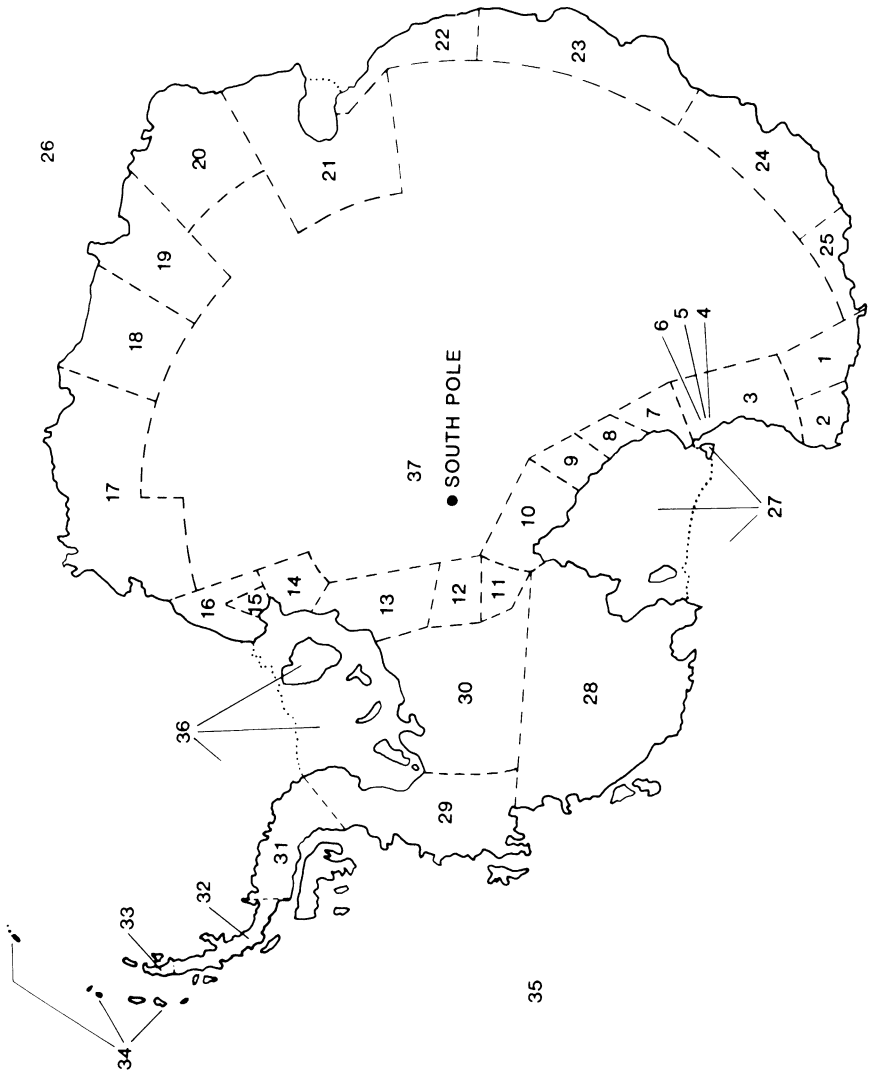


Fig 1. "Geographic Areas" of the Antarctic Date Lists.

TABLE 1. LIST OF GEOGRAPHIC AREAS

1. Victoria Land, north of 73°00S, west of Rennick Glacier
2. Victoria Land, north of 73°00S, east of Rennick Glacier
3. Victoria Land, south of 73°00S to 78°00S, excluding some dry valley areas (see geographic areas 4-6)
4. Victoria Valley and associated dry valleys north of Olympus Range in Victoria Land
5. Wright Valley and Bull Pass, Victoria Land
6. Taylor Valley, Victoria Land, from Taylor Glacier to Gneiss Point
7. Transantarctic Mountain area, from 78°00S to Byrd Glacier
8. Transantarctic Mountain area, from Byrd Glacier to Nimrod Glacier
9. Transantarctic Mountain area, from Nimrod Glacier to Beardmore Glacier
10. Queen Maud Mountain area
11. Horlick Mountain area
12. Thiel Mountain area
13. Pensacola Mountain area
14. Shackleton Range area
15. Theron Mountain area
16. Coats Land, excluding Theron Mountains
17. Queen Maud Land, from Stancomb-Wills Glacier through New Schwabenland
18. Queen Maud Land, vicinity of Sør Rondane and Belgica Mountains
19. Queen Maud Land, east of the Belgica Mountains
20. Enderby Land
21. Mac. Robertson Land -- Lambert Glacier -- American Highland area
22. Ingrid Christensen Coast to Cape Filchner, Wilhelm II Coast
23. Queen Mary Coast and Wilkes Land west of 120°00E
24. Wilkes Land east of 120°00E
25. George V Coast
26. Ocean sites within c. 250 km. of the East Antarctic coast, excluding Ross Sea
27. Ross Ice Shelf, McMurdo Sound, and Ross Sea; Black, White, Ross, and Franklin Islands
28. Marie Byrd Land
29. Ellsworth Land, north of 77°00S
30. Ellsworth Land, south of 77°00S, including Whitmore Mountain area
31. Palmer Land
32 Graham Land, excluding Trinity Peninsula
33. Trinity Peninsula
34. South Shetland Islands and South Orkney Islands
35. Ocean sites within c. 250 km. of the West Antarctic coast, excluding Weddell Sea
36. Filchner Ice Shelf, Ronne Ice Shelf, Weddell Sea, and associated islands
37. Central East Antarctica

TABLE 2. CODES FOR REPORTED DATING METHODS, DECAY CONSTANTS (λ), HALF-LIVES ($T_{1/2}$), AND OTHER CONSTANTS

CODES:	DATING METHODS AND CONSTANTS:
	^{40}Ar-^{39}Ar method:
A/A	No additional information on technique or values of constants is reported.
AAF	Total fusion age. Values of constants are not reported.
AAI	Isochron age. Values of constants are not reported.
AAP	Plateau or incremental age. Values of constants are not reported.
AAT	Total gas release age. Values of constants are not reported.
AAF1,AAI1, etc.	"1" after the dating method indicates that the constants have values as presented in Steiger and Jäger, 1977 (STE77 in the bibliography) and as listed below for "KA17".
AAF2,AAI2, etc.	"2" after the dating method indicates that the constants have values as presented in Steiger and Jäger, 1977 (STE77 in the bibliography) and as listed below for "KA17". The technique of Dalrymple and Lanphere, 1971 (DAL71 in the bibliography) is explicitly used.
AAF3,AAI3, etc.	"3" after the dating method indicates that the constants have values as listed below for "KA12". The technique of Dalrymple and Lanphere, 1971 (DAL71 in the bibliography) is explicitly used.
K/A,KA1, etc.	Please note that codes are primarily listed in alphabetical order. Additional potassium-argon entries are listed on the following pages.
	^{14}C method:
14C	Value of ^{14}C half-life is not reported.
14C1	$T_{1/2}$ = 5568 yr
14C2	$T_{1/2}$ = 5570 yr
14C3	$T_{1/2}$ = 5730 yr

(TABLE 2 CONTINUED)

14CC1, 14CC2, etc.	Additional "C" indicates that a reservoir correction has been applied to the reported sample age. The size of the correction is stated in the parenthetical comments at the end of the date listing.
	Fission track method:
FTK	Values of constants are not reported.
FT1	Constants have values as presented in Steiger and Jäger, 1977 (STE77 in the bibliography) and as listed below for "UP5, UP_C5,UP_I5". Value of $\lambda_f(^{238}U)$ is not reported.
FT2	Constants are the same as for "FT1" above. In addition: $\lambda_f(^{238}U) = 6.85 \times 10^{-17}$ yr.
	^{40}K-^{40}Ar method:
	Multiple dates may be listed if replicate analyses were done on the same sample.
K/A	No additional information on values of constants is reported.
KA1	$\lambda_k = 6.02 \times 10^{-11}$ yr^{-1}
KA2	$\lambda_e(^{40}K) = 5.85 \times 10^{-11}$ yr^{-1}
KA3	$T_{1/2} = 1.885 \times 10^9$ yr $^{40}K/K = 1.19 \times 10^{-4}$
KA4	$\lambda_\beta = 4.7 \times 10^{-10}$ yr^{-1} $\lambda_e = 0.585 \times 10^{-10}$ yr^{-1} $^{40}K/K = 1.22 \times 10^{-4}$
KA5	$\lambda_\beta = 4.72 \times 10^{-10}$ yr^{-1} $\lambda_e = 0.550 \times 10^{-10}$ yr^{-1} $^{40}K/K = 1.22 \times 10^{-4}$
KA6	$\lambda_\beta = 4.72 \times 10^{-10}$ yr^{-1} $\lambda_e = 0.557 \times 10^{-10}$ yr^{-1}
KA7	$\lambda_\beta = 4.72 \times 10^{-10}$ yr^{-1} $\lambda_e = 0.58 \times 10^{-10}$ yr^{-1} $^{40}K/K = 1.19 \times 10^{-4}$
KA8	$\lambda_\beta = 4.72 \times 10^{-10}$ yr^{-1} $\lambda_e = 0.584 \times 10^{-10}$ yr^{-1}

(TABLE 2 CONTINUED)

KA9	$\lambda_\beta = 4.72 \times 10^{-10}$ yr^{-1} $\lambda_e = 0.584 \times 10^{-10}$ yr^{-1} $^{40}K/K = 1.19 \times 10^{-4}$
KA10	$\lambda_\beta = 4.72 \times 10^{-10}$ yr^{-1} $\lambda_e = 0.584 \times 10^{-10}$ yr^{-1} $^{40}K/K = 1.22 \times 10^{-4}$
KA11	$\lambda_\beta = 4.72 \times 10^{-10}$ yr^{-1} $\lambda_e = 0.585 \times 10^{-10}$ yr^{-1}
KA12	$\lambda_\beta = 4.72 \times 10^{-10}$ yr^{-1} $\lambda_e = 0.585 \times 10^{-10}$ yr^{-1} $^{40}K/K = 1.19 \times 10^{-4}$
KA13	$\lambda_\beta = 4.72 \times 10^{-10}$ yr^{-1} $\lambda_e = 0.585 \times 10^{-10}$ yr^{-1} $^{40}K/K = 1.22 \times 10^{-4}$
KA14	$\lambda_\beta = 4.76 \times 10^{-10}$ yr^{-1} $\lambda_e = 0.585 \times 10^{-10}$ yr^{-1}
KA15	$\lambda_\beta = 4.76 \times 10^{-10}$ yr^{-1} $\lambda_e = 0.598 \times 10^{-10}$ yr^{-1} $^{40}K/K = 1.21 \times 10^{-4}$
KA16	$\lambda_\beta = 4.80 \times 10^{-10}$ yr^{-1} $\lambda_e = 0.585 \times 0^{-10}$ yr^{-1}
KA17	$\lambda_\beta = 4.962 \times 10^{-10}$ yr^{-1} $\lambda_e = 0.581 \times 10^{-10}$ yr^{-1} $^{40}K/K = 1.167 \times 10^{-4}$ atomic ratio $^{40}Ar/^{36}Ar$ atmospheric = 295.5
	Pb-alpha method:
P/a	No additional information on values of constants is reported.
Pa1	c (a constant dependent on the sample Th/U ratio) = 2485.
	Pb-Pb method:
P/P	$^{207}Pb/^{206}Pb$ or "Pb-Pb" date. Values of constants are not reported.
PP1,PP2, etc.	$^{207}Pb/^{206}Pb$ date. The number following "PP" indicates that constants have values as listed below for the U-Pb code with the same number.

(TABLE 2 CONTINUED)

PP_I	$^{207}Pb/^{204}Pb$ - $^{206}Pb/^{204}Pb$ isochron age. The "blank space" contains the number of points that define the isochron (e.g. "PP5I" indicates that the listed date is based on a 5-point isochron).
PP_I1,PP_I2,etc.	Same as for "PP_I". In addition, the final number indicates that the constants have values as listed below for the U-Pb codes with the same number.
PPM	$^{207}Pb/^{206}Pb$ common-lead "model" age that assumes a single or multistage history. If four dates are listed, they correspond to $^{206}Pb/^{204}Pb$, $^{207}Pb/^{204}Pb$, $^{208}Pb/^{204}Pb$, and $^{207}Pb/^{206}Pb$ common-lead "model" ages, respectively.
PPM1,PPM2,etc.	Same as for PPM. In addition, the final number indicates that the constants have values as listed below for the U-Pb code with the same number.
	<u>^{87}Rb-^{87}Sr method:</u>
R/S	No additional information on technique or value of decay constant is reported.
RSM	"Model" age determination that assumes an initial $^{87}Sr/^{86}Sr$ ratio. The value of the decay constant is not reported.
RSM1,RSM2,etc.	"Model" age determination that assumes an initial $^{87}Sr/^{86}Sr$ ratio. The final number indicates that the decay constant is assigned one of the following values in the reference: RSM1: $\lambda = 1.386 \times 10^{-11}$ yr^{-1} RSM2: $\lambda = 1.39 \times 10^{-11}$ yr^{-1} RSM3: $\lambda = 1.42 \times 10^{-11}$ yr^{-1} RSM4: $\lambda = 1.47 \times 10^{-11}$ yr^{-1}
RSM1/_.___, RSM2/_.___,etc.	Same as "RSM1,RSM2,etc." above. The "blank spaces" contain the initial $^{87}Sr/^{86}Sr$ ratio assumed in the reference (e.g. "RSM1/0.7040").
RSI	Isochron age. The value of the decay constant is not reported.
RSI1,RSI2,etc.	Isochron age. The final number indicates that the decay constant has a value as listed above under "RSM1,RSM2,etc."

(TABLE 2 CONTINUED)

RS_I1/_.___, RS_I2/_.___,etc.	Same as "RSI1,RSI2,etc." above. The "blank space" following "RS" contains the number of points that define the isochron; the "blank spaces" following the slash contain the initial $^{87}Sr/^{86}Sr$ ratio calculated in the reference (e.g. "RS14I1/0.7030±0.0002"). An initial ratio that we have approximated from a graph in the reference source is listed in parentheses.
RSR,RSR1, RS_R1/_.___,etc.	"Reference isochron" date. The code format is analogous to the format above for Rb-Sr isochrons. The initial $^{87}Sr/^{86}SR$ ratio explicitly assumed in the reference follows the slash.
	^{147}Sm-^{143}Nd method:
S/N	No additional information on technique or value of decay constant is reported.
SNM	Reported as a "model" age. The value of the decay constant is not reported.
SNMC	T_{CHUR} "model" age. The value of the decay constant is not reported.
SNMD	T_{DM} "model" age. The value of the decay constant is not reported.
SNM1,SNMC1,SNMD1	"Model" age as denoted above. The final "1" indicates that: $\lambda(^{147}Sm) = 6.54 \times 10^{-12}$ yr^{-1}.
SNI/_.___, SNI1/_.___	Isochron age. A "1" following "SNI" indicates that: $\lambda(^{147}Sm) = 6.54 \times 10^{-12}$ yr^{-1}. The "blank spaces" following the slash contain the calculated initial $^{143}Nd/^{144}Nd$ ratio, if reported.
	U-Pb method:
U/P	Three ages are listed corresponding to $^{206}Pb/^{238}U$, $^{207}Pb/^{235}U$, and $^{207}Pb/^{206}Pb$ isotopic determinations respectively. No additional information on values of constants is reported. ("UP1", "UP2", etc. listed below refer to this technique.)
UPC,UP_C	If two ages are listed, they correspond to the lower and upper intercepts, respectively, of a chord on a concordia diagram. The "blank space" contains the number of points that define the chord. One age listed corresponds to the upper intercept of a chord whose lower intercept is zero, unless one age is listed with the code "UP0C". This code

(TABLE 2 CONTINUED)

	indicates that the listed date is a concordant or nearly concordant determination irregardless of the lower intercept.
UPI,UP_I	Three isochron ages are listed corresponding to the sequence listed for "U/P" above; the "blank space" contains the number of points that define the isochrons.
UP1,UP_C1,UP_I1	Dating technique, respectively, as denoted above. The final "1" indicates that: $\lambda(^{238}U) = 1.537 \times 10^{-10}$ yr^{-1} $\lambda(^{235}U) = 9.722 \times 10^{-10}$ yr^{-1} $^{238}U/^{235}U = 137.7$
UP2,UP_C2,UP_I2	Dating technique, respectively, as denoted above. The final "2" indicates that: $\lambda(^{238}U) = 1.537 \times 10^{-10}$ yr^{-1} $\lambda(^{235}U) = 9.72 \times 10^{-10}$ yr^{-1} $^{238}U/^{235}U = 137.8$
UP3,UP_C3,UP_I3	Dating technique, respectively, as denoted above. The final "3" indicates that: $\lambda(238U) = 1.54 \times 10^{-10}$ yr^{-1} $\lambda(^{235}U) = 9.72 \times 10^{-10}$ yr^{-1}
UP4,UP_C4,UP_I4	Dating technique, respectively, as denoted above. The final "4" indicates that: $\lambda(^{238}U) = 1.54 \times 10^{-10}$ yr^{-1} $\lambda(^{235}U) = 9.72 \times 10^{-10}$ yr^{-1} $\lambda(^{232}Th) = 4.99 \times 10^{-11}$ yr^{-1} $^{238}U/^{235}U = 137.8$
UP5,UP_C5,UP_I5	Dating technique, respectively, as denoted above. The final "5" indicates that: $\lambda(^{238}U) = 1.55125 \times 10^{-10}$ yr^{-1} or 1.5513×10^{-10} yr^{-1} $\lambda(^{235}U) = 9.8485 \times 10^{-10}$ yr^{-1} $^{238}U/^{235}U = 137.88$
UP6,UP_C6,UP_I6	Dating technique, respectively, as denoted above. The final "6" indicates that: $\lambda(^{238}U) = 1.55125 \times 10^{-10}$ yr^{-1} or 1.5513×10^{-10} yr^{-1} $\lambda(^{235}U) = 9.8485 \times 10^{-10}$ yr^{-1} $\lambda(^{232}Th) = 4.9475 \times 10^{-11}$ yr^{-1} $^{238}U/^{235}U = 137.88$

(TABLE 2 CONTINUED)

	^{234}U-^{230}Th method:
U/T	No additional information on values of constants is reported.
UT1	^{230}Th half-life = 75,000 yr
	U,Th-Pb method:
UTP	Four ages are listed corresponding to $^{206}Pb/^{238}U$, $^{207}Pb/^{235}U$, $^{208}Pb/^{232}Th$, and $^{207}Pb/^{206}Pb$ isotopic determinations, respectively. No additional information on values of constants is reported.
UTPC,UTP_C	Analogous to "UPC,UP_C" listed above.
UTPI,UTP_I	Analogous to "UPI,UP_I" listed above.
UTP1,UTP_C1, UTP_I1,UTP2, UTP_C2, etc.	Dating technique as denoted above. The final number indicates that the constants have values as listed above for the U-Pb code with the same number.

TABLE 3. CODES FOR SAMPLE MATERIALS

AD	Andesine
AL	Algae
AM	Amphibole
AN	Anorthoclase
AP	Apatite
AR	Aragonite
AT	Allanite
AW	Acidified sea water
BH	Biotite and hornblende
BN	Bone
BT	Biotite
CA	Carbonate or "carbonate material"
CD	Carbon dioxide
CH	Chloride
CL	Chlorite
CO	Collagen
CS	Carbonate sediments
CV	Chevkinite
DS	Diatomaceous ocean sediments
EP	Epidote
ES	Elephant seal remains
EV	Evaporites
EX	Euxenite
FD	Feldspar
FG	Fluvial-glacial material
FI	Fish
FL	Flesh
FO	Foraminiferal ooze
FT	Foram tests
FU	Fuchsite
GA	Galena
GB	Green and blue-green algae
GO	Guano
GP	Gypsum
GS	Glass
GU	Glaucophane concentrate
HB	Hornblende
IC	Dissolved inorganic carbon
KF	Potassium feldspar
LE	Leucite
LI	Lichen
LW	Lake water
MA	Marble
MC	Muscovite
MG	Magnophorite (amphibole)
MI	Mica
ML	Morainic loam
MN	Microline
MO	Moss
MS	Minerals or mineral separates
MU	Muscle
MZ	Monzonite
OC	Organic carbon
OM	Organic material
OR	Orthoclase
PB	Lead
PE	Peat
PG	Phlogophite
PH	Pyroxene and hornblende
PL	Plagioclase
PO	Polycrase
PQ	Penguin remains
PR	Perrierite
PY	Pyroxene
QZ	Quartz
RI	Riebeckite (amphibole)
SC	Soil carbonate
SE	Seal remains
SH	Shells
SM	Shell material
SN	Sanidine
SO	Soil
SP	Sphene
SW	Seaweed
WB	Whole body material
WD	Wood
WF	Whole rock and feldspar
WK	Whole rock and potassium feldspar
WM	Whole rock and mineral separates
WR	Whole rock
YX	"Yttrobritholite (?), xenotime (?), others"
ZR	Zircon

TABLE 4.
ABBREVIATIONS IN THE DATE LISTS*

adj	adjusted	mor	moraine
alt	altitude	N	north or northern
approx	approximated	nr	near
a.s.l.	above sea level	Nun or nun	Nunatak or nunataks
assoc	associated	Pen	Peninsula
ba	basin	pers. comm.	personal communication
btwn	between	Pks	Peaks
c	circa	poss	possibly
calc	calculated	Ps	Pass
cen	central	ques	questionable
cgl	conglomerate	Ra	Range
contemp	contemporaneous	Rdg	Ridge
coords	coordinates	recalc	recalculated
corr	corrected or correction	res	reservoir
		rev	revised
d	depth	Rk	Rock
diff	different	RM	reference map
drain.	drainage	rpt	report
dscrpt	description	rpted	reported
E	east or eastern	S	south or southern
est	estimated	samp	sample(s)
eval	evaluation	sec	section
fac	facies	sed	sediment
ft	feet	Sht	Sheet
infer=	"we infer this listing is equivalent to..."	SM	sample material
		ss	sandstone
		sta	station
info	information	std	standard
IR	initial $^{87}Sr/^{86}Sr$ ratio	Strm	Stream
		UI	upper intercept
L	Lake	unpubl	unpublished
lac	lacustrine	up	upper
LI	lower intercept	V or Val	Valley
lm	limestone	vic	vicinity
lo	lower	volc	volcanic
loc	location	W	west or western
m	meters	w/	with
Mas	Massif	w/o	without
mat.	sample material	wt	weight
meta	metamorphic		

*Additional abbreviations and codes are listed in Tables 2 and 3, and in the text under "The source for the listed coordinates" and "The scale of the date and other terms".

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LIST 1
INDEX

LIST 1

GEOGRAPHIC AREA 1: VICTORIA LAND, NORTH OF 73°00S, WEST OF RENNICK GLACIER
(samples from west to east by coordinates)

69°13S 156°00E AR "Mt. Berg"
516 MY(K.1241^{zh})KA17 WR Phyllite;
Robertson Bay Group. RAV64 STA59 TES81
(info. in RAV64: 530 MY, KA6; info. in PIC63: 512 MY, KA16; infer loc.=Berg Mountains)

69°13S 156°00E AR "Mt. Berg"
468 MY(S.18^{b})KA17 WR Quartz-albite vein in phyllite;
Robertson Bay Group. RAV64 STA59 TES81
(info. in RAV64: 480 MY, KA6; info. in PIC63: 461 MY, KA16; infer loc.=Berg Mountains)

69°05S 157°30E R Babushkin Island
463 MY(K.1244^{k})KA16 WR Muscovite granite vein;
Granite Harbour Intrusives. GAI69 PIC63 RAV64 STU70
(info. in RAV64: 480 MY, KA6, loc.=Wilson Hills)

69°05S 157°30E R Babushkin Island
434 MY(K.1244^{k})KA16 WR Granite gneiss;
Wilson Group. GAI69 PIC63 RAV64 STU70
(info. in RAV64: 450 MY, KA6, dscrpt.=migmatized two-mica gneiss, loc.=Wilson Hills)

69°08S 157°35E R Archer Point
458 MY(K.1244^{a})KA16 WR Biotite gneiss;
Wilson Group. GAI69 PIC63 RAV64 STU70
(info. in RAV64: 475 MY, KA3, dscrpt.=migmatized two-mica gneiss, loc.=Wilson Hills)

69°16S 158°45E R Aviation Islands
420 MY(GA 385)KA10 BT Granitic vein;
Granite Harbour Intrusives. GAI69 PIC63 RAV64 STU70
(info. in WEB64: 69°06S 158°36E;
info. in GAI69: mat.=WR)

69°34S 158°56E R Parkinson Peak
450 MY(GA 384)KA10 WR Biotite gneiss;
Wilson Group. GAI69 WEB64 STU70
(info. in WEB64: BT, 69°34S 158°44E)

69°48S 159°10E R Manna Glacier
565 MY(#?)K/A WR Foliated granodiorite vein;
wilson Group. GAI69 STU70
(infer=BT sample in STU70; pers. comm. Ravich and Krylov; ?KA6, as in RAV64)

69°42S 159°19E R Fergusson Glacier
495 MY(#?)K/A WR Granodiorite;
Granite Harbour Intrusives GAI69 STU70
(pers. comm. Ravich and Krylov; ?KA6, as in RAV64)

69°53S 159°40E R Mt. Ellery
500 MY(#?)K/A WR Foliated adamellite;
Granite Harbour Intrusives. GAI69 STU70
(pers. comm. Ravich and Krylov; ?KA6, as in RAV64)

71°33S 160°23E G Thompson Spur RM
477±2.5 MY(DA 8)KA17 MC Migmatite;
(Granite Harbour Intrusives). KRE81 TES81

71°33S 160°23E G Thompson Spur RM
474.5±2.5 MY(DA 8)KA17 BT Migmatite;
(Granite Harbour Intrusives). KRE81 TES81

71°33S 160°23E G Thompson Spur RM
472±3 MY(DA 13)KA17 BT Metasediment;
(Granite Harbour Intrusvies). KRE81 TES81
(ages of diff. sieve fractions also in KRE81)

71°38S 160°30E G Schroeder Spur RM
473.5±2.5 MY(DA 3)KA17 MC Migmatite;
(Granite Harbour Intrusives). KRE81 TES81

71°38S 160°30E G Schroeder Spur RM
473±2.5 MY(DA 3)KA17 MC Migmatite;
(Granite Harbour Intrusives). KRE81 TES81

71°38S 160°30E G Schroeder Spur RM
478.5±1.5 MY(DA 5)KA17 BT Granite;
(Granite Harbour Intrusives). KRE81 TES81
(ages of diff. sieve fractions also in KRE81)

71°38S 160°30E G Schroeder Spur RM	471.5±3 MY(DA 5)KA17 BT Granite; (Granite Harbour Intrusives). KRE81 TES81 (ages of diff. sieve fractions also in KRE81)
71°38S 160°30E G Schroeder Spur RM	472±2.5 MY(DA 9)KA17 BT Tonalite dike; (Granite Harbour Intrusives). KRE81 TES81
71°38S 160°30E G Schroeder Spur	510±36 MY RS3I3/0.7116 WR Granites; (Granite Harbour Intrusives). KRE81 VET83
71°38S 160°30E G Schroeder Spur	495±10 MY RS5I3/0.7125 WR Granites, pegmatite, migmatite; (Granite Harbour Intrusives). KRE81 VET83
71°35S 161°40E RM Morozumi Range	478.5±2 MY(MO 1)KA17 BT Granite; (Granite Harbour Intrusives). KRE81 TES81
71°35S 161°40E RM Morozumi Range	467±2 MY(MO 3)KA17 BT Granite; (Granite Harbour Intrusives). KRE81 TES81 (ages of diff. sieve fractions also in KRE81)
71°35S 161°40E RM Morozumi Range	479±2 MY (MO 6)KA17 MC Granite; (Granite Harbour Intrusives). KRE81 TES81 (ages of diff. sieve fractions also in KRE81)
71°35S 161°40E RM Morozumi Range	479±2 MY(MO 6)KA17 BT Granite; (Granite Harbour Intrusives). KRE81 TES81 (ages of diff. sieve fractions also in KRE81)
70°14S 161°51E R Znamensky Island	318 MY(S.19)KA16 WR Granodiorite; (Admiralty Intrusives). GAI69 PIC63 RAV64 STU70 (info. in RAV64: 330 MY, KA6, dscrpt.=biotite plagiogranite)
71°39S 161°55E G Main massif, Morozumi Range	484±63 MY RS4I3/0.716 WR 4 of 5 granites; (Granite Harbour Intrusives). KRE81 (tentative isochron)
71°39S 161°55E G Main massif, Morozumi Range	515±28 MY RS5I3/0.7136 WR Granites and an aplite; (Granite Harbour Intrusives). KRE81 VET83 (tentative isochron)
71°39S 161°55E G Main massif and 10 km. S., Morozumi Range	478±14 MY RS3I3/0.7092 WR Granite and leucogranites; (Granite Harbour Intrusives). KRE81 VET83 (tentative isochron)
71°24S 162°00E G Litell Rocks	90-120 MY(#'s?)KA17 WR Altered volcanics; (Ferrar Dolerite?). KRE81 (geol. significance of dates unknown)

GEOGRAPHIC AREA 2: VICTORIA LAND, NORTH OF 73°00S, EAST OF RENNICK GLACIER
(samples from west to east by coordinates)

70°44S 162°07E R
Frolov Ridge
283.8±5 MY(NZKA 20)KA12 WR Basic lava flow;
Sledgers Formation, Bowers Group. DOW74 HUL72

71°30S 162°40E RM
Lanterman Range
479±2.5 MY(LA 2)KA17 BT Diorite;
(Granite Harbour Intrusives). KRE81 TES81

71°20S 163°05E R
Mt. Jamroga
414±3 MY(3871TR;S29)KA9 WR Slate;
Sledgers Group, Bowers Supergroup. ADA82A

71°20S 163°05E R
Mt. Jamroga
413±3 MY(3872TR;S30)KA9 WR Slate;
Sledgers Group, Bowers Supergroup. ADA82A

71°20S 163°05E R
Mt. Jamroga
416±3 MY(3873TR;S32)KA9 WR Slate;
Sledgers Group, Bowers Supergroup. ADA82A

71°20S 163°15E R
Helix Pass
413±3 MY(6294TR;H8)KA9 WR Siltstone;
(Mariner Group?), Bowers Supergroup. ADA82A

71°20S 163°15E R
4 km WSW of Helix Ps.
394±3 MY(6294TR;S43)KA9 WR Siltstone;
Mariner Group, Bowers Supergroup. ADA82A

71°32S 163°17E R
Cen. Sec., Reilly Rdg.
417±3 MY(3878TR;S52)KA9 WR Slate;
(Mariner Gp. Correlative), Bowers Supergp. ADA82A

71°32S 163°17E R
Cen.Sec., Reilly Rdg.
388±3 MY;380±3 MY(3880TR;S55)KA9 WR Slate;
(Mariner Gp. Correlative), Bowers Supergp. ADA82A
(mean age=384 MY)

71°32S 163°17E R
Cen.Sec., Reilly Rdg.
380±3 MY(3882TR;S57)KA9 WR Slate;
(Mariner Gp. Correlative), Bowers Supergp. ADA82A

71°32S 163°17E R
Cen.Sec., Reilly Rdg.
400±3 MY(3884TR;S59)KA9 WR Slate;
(Mariner Gp. Correlative), Bowers Supergp. ADA82A

71°34S 163°22E R
S. end, Reilly Rdg.
413±3 MY(3875TR;S44)KA9 WR Slate;
(Mariner Gp. Correlative), Bowers Supergp. ADA82A

71°34S 163°22E R
S. end, Reilly Rdg.
402±3 MY(3877TR;S49)KA9 WR Slate;
(Mariner Gp. Correlative), Bowers Supergp. ADA82A

70°22S 163°22E R
Sputnik Island,
Ob' Bay
313 MY(S.22)KA16 WR Granodiorite;
(Admiralty Intrusives). GAI69 PIC63 RAV64 STU70
(info. in RAV64: 325 MY, KA6, dscrpt.=biotite plagiogranite)

71°17S 163°25E R
Head of Leap Year
and Graveson Gls.
474±3 MY(3895TR;RB13)KA9 WR Slate;
Robertson Bay Group. ADA82A

71°28S 163°26E R
N side, Sledgers Gl.
401±3 MY(3870TR;S19A)KA9 WR Slate;
(Sledgers Group?), Bowers Supergroup. ADA82A

71°40S 163°27E R
Husky Pass
451±3 MY(3904hb; W13)KA9 HB Amphibolitic gneiss;
Wilson Group. ADA82A

71°39S 163°29E R
Husky Pass
479±3 MY(3905bi 152-422 μ;W15)KA9 BT Granodiorite gneiss; Wilson Group. ADA82A

71°50S 163°30E RM
Lanterman Range
490.5±2.5 MY(LA 3)KA17 BT Diorite;
(Granite Harbour Intrusives). KRE81 TES81

71°35S 163°36E R
Molar Massif, N. Sec.
441±3 MY(6293TR;S2)KA9 WR Siltstone;
Sledgers Group, Bowers Supergroup. ADA82A

71°43S 163°36E R
S. side, Husky Pass
355±3 MY; 355±3 MY(3903hb;W11)KA9 HB Amphibolitic gneiss; Wilson Group. ADA82A

71°43S 163°36E R
S. side, Husky Pass
467±3 MY(3962mu 152-853 μ;W12)KA9 MC Granodiorite gneiss; Wilson Group. ADA82A

71°30S 163°37E R
NW end, Mirabito Ra.
361±3 MY(6206TR;J13-8)KA9 WR Gray Slate;
Robertson Bay Group. ADA82A

71°38S 163°37E R
Molar Massif
467±3 MY;467±3 MY(3868TR;S13)KA9 WR Slate;
Sledgers Group, Bowers Supergroup. ADA82A

72°35S 163°39E R Cen. Sec., Molar Mas.	453±3 MY(6207TR;2M85)KA9 WR Slate; Sledgers Group, Bowers Supergroup. ADA82A
72°10'30"S 163°40E R Mt. Camelot	384.4±5.1 MY(NZKA 108)KA12 BT Porphyritic biotite adamellite; Freyberg Adamellite. ADA75 DOW74
71°44S 163°40E R S. side, Husky Pass	474±3 MY(3902bi;W7)KA9 BT Granodiorite gneiss; Wilson Group. ADA82A
71°28S 163°40E R N. side, Leap Year Gl.	444±3 MY;450±3 MY(3887TR;RB4)KA9 WR Slate; Robertson Bay Group. ADA82A (mean age=447 MY)
71°47S 163°41E R Upper Zenith Glacier	483±3 MY(3898bi;W1)KA9 BT Granodiorite gneiss; Wilson Group. ADA82A
71°47S 163°41E R Upper Zenith Glacier	483±3 MY(3898mu;W1)KA9 MC Granodiorite gneiss; Wilson Group. ADA82A
71°47S 163°42E R Upper Zenith Glacier	466±3 MY(3899bi;W2)KA9 BT Granodiorite gneiss; Wilson Group. ADA82A
71°47S 163°42E R Upper Zenith Glacier	455±3 MY; 450±3 MY(3900bi;W2)KA9 BT Amphibolitic gneiss; Wilson Group. ADA82A (mean age=453 MY)
71°47S 163°42E R Upper Zenith Glacier	476±3 MY(3901mu;W4a)KA9 BT Granodiorite gneiss; Wilson Group. ADA82A
71°27S 163°42E R N. side, Leap Year Gl.	495±4 MY(3888TR;RB5)KA9 WR Slate; Robertson Bay Group. ADA82A
71°26S 163°42E R N. side, Leap Year Gl.	482±3 MY(3896TR;RB14)KA9 WR Slate; Robertson Bay Group. ADA82A
71°27S 163°42E R N. side, Leap Year Gl.	491±3 MY(3897TR;RB15)KA9 WR Slate; Robertson Bay Group. ADA82A
71°27S 163°43E R N. side, Leap Year Gl.	468±3 MY(3889TR;RB6)KA9 WR Slate; Robertson Bay Group. ADA82A
71°40S 163°44E R SW rdg., Molar Massif	450±3 MY(6187TR;2M83)KA9 WR Slate; Sledgers Group, Bowers Supergroup. ADA82A
71°30S 163°49E R Leap Year Glacier	501±4 MY(3885TR;RB1)KA9 WR Slate; Robertson Bay Group. ADA82A
71°28S 163°51E R N side, head of Champness Glacier	491±4 MY(3892TR;RB9)KA9 WR Slate; Robertson Bay Group. ADA82A
71°48'30"S 163°51'30"E R 5-1/2 Mi.S, Husky Ps.	136.5±2.0 MY(NZKA 21)KA12 WR Dolerite; Ferrar Dolerite. DOW72 HUL72
71°28S 163°52E R N side, head of Champness Glacier	490±4 MY(3891TR;RB8)KA9 WR Slate; Robertson Bay Group. ADA82A
72°26S 163°56E R Gallipoli Heights, Evans Névé	375±40 MY(315&316)RS2I2/0.7057 WR Porphyritic rhyo- lite; Gallipoli Porphyries. GAI69 FAU70 (=#'s C/76 and C/78 of Carryer, respectively)
71°31S 163°57E R N side, Ian Peak	448±3 MY(3890TR;RB7)KA9 WR Phyllite, greenschist facies; Robertson Bay Group. ADA82A
71°32S 164°02E R 2 km SE of Ian Pk.	476±3 MY(3893TR;RB10)KA9 WR Slate; Robertson Bay Group. ADA82A
71°28S 164°14E R SW of Copperstain Rdg	350.2±5 MY(NZKA 19)KA12 BT Granodiorite; Champness Granodiorite. DOW74 HUL72
72°22S 164°28E R 2.5 km SW of Mt Staley	330±7 MY(24397)K/A BT Biotite granodiorite; Salamander Granodiorite. LAI74

70°31S 164°30E R Zykov Glacier	424 MY(K.1245[a])KA17 WR Micaceous phyllite; Robertson Bay Group. GAI69 PIC63 RAV64 TES81 (info. in GAI69: 420 MY, KA16; info. in RAV64: 435 MY,KA6,loc.="Mount Zykov")
70°31S 164°30E R Zykov Glacier	414 MY(S.21)KA17 WR Micaceous schist; Robertson Bay Group. GAI69 PIC63 RAV64 TES81 (info. in GAI69: 410 MY,KA16; info. in RAV64: 425 MY,KA6,dscrpt.=phyllite,loc.="Mount Zykov")
71°10S 164°40E RM Everett Range	362±2 MY(EV 1)KA17 BT Granite; Everett Massif, Admiralty Intrusives. KRE81 TES81 (ages of diff. sieve fractions also in KRE81)
71°10S 164°40E RM Everett Range	358±3 MY(EV 6)KA17 BT Granite; Everett Massif, Admiralty Intrusives. KRE81 TES81 (ages of diff. sieve fractions also in KRE81)
71°10S 164°40E RM Everett Range	363.5±4 MY(EV 6)KA17 HB Granite; Everett Massif, Admiralty Intrusives, KRE81 TES81
71°10S 164°40E RM Everett Range	360.5±1.5 MY(EV 8)KA17 BT Granite; Everett Massif, Admiralty Intrusives, KRE81 TES81 (ages of diff. sieve fractions also in KRE81)
71°10S 164°40E RM Everett Range	360±4 MY(EV 8)KA17 HB Granite; Everett Massif, Admiralty Intrusives. KRE81 TES81
71°10S 164°40E RM Everett Range	359±4 MY(EV 11)KA17 BT Granite; Everett Massif, Admiralty Intrusives. KRE81 TES81 (ages of diff. sieve fractions also in KRE81)
71°10S 164°40E RM Everett Range	363±3.5 MY(EV 11)KA17 HB Granite; Everett Massif, Admiralty Intrusives. KRE81 TES81
71°15S 164°45E R Lillie Glacier	300 MY(#?)K/A WR Granodiorite; (Admiralty Intrusives). GAI69 STU70
71°10S 165°E RM Everett Range	360 MY RSR3/0.711,0.713 WR 6 granitic and 2 leuco- granitic samples; Everett Massif, Admiralty In- trusives. KRE81 TES81 (samples fall between 2 360-MY-reference lines)
72°57S 165°05E R Retreat Hills	460.7±6 MY(NZKA 24;P36357)KA12 BT Schist; Retreat Hills Schist. HUL72 NAT71
72°16S 165°22E R 6 km WNW Pyramid "Rk."	421±3 MY(6292TR;P5)KA9 WR Red siltstone; Camp Ridge Quartzite, Leap Year Gp. ADA82A (infer loc.=Pyramid Peak)
72°43.8S 165°27.7E R Eroded cone, N. Pleiades	0.003±0.014 MY(YU-McM-P56=25306)KA9 WR Trachyte; McMurdo Volcanic Group. ARM78 (infer=#25706, dscrpt.=peralkaline K-trachyte, loc.=S. side of Targete Cone, in KYL82)
72°44.8S 165°28.5E R Mount Pleiones	0.012±.04 MY(YU-McM-37081)KA9 WR Streaky trachybasalt flow; McMurdo Volcanic Group. ARM78 (infer=#P37081(=25662),dscrpt.=Ne-tristanite,loc. =Cone C2, 1.4 km. W. of Mt. Atlas, in KYL82)
72°45.1S 165°29.1E R Mount Pleiones	0.02±0.04 MY(YU-McM-P20=25271=P37083)KA9 WR Trachy- andesite dike; McMurdo Volcanic Group. ARM78 (infer=#25671, loc.=NW side of cone 3, Mt. Atlas, in KYL82)
71°45S 165°30E R S of Austin Peak	492±4 MY(6203TR;J9-17)KA9 WR Gray-green slate; Robertson Bay Group. ADA82A
71°45S 165°30E R S of Austin Peak	491±4 MY(6204TR;J10-7)KA9 WR Gray-green slate; Robertson Bay Group. ADA82A
72°14S 165°32E R 4 km NNW Pyramid Pk.	499±3 MY(3661TR;P13)KA9 WR Red siltstone; Robertson Bay Group. ADA82A

72°45.0S 165°35.4E R Cone 1, Mount Pleiones	0.04±0.05 MY(YU-McM-P15=25266)KA9 WR Basalt flow; McMurdo Volcanic Group. ARM78 (infer=#25666, dscrpt.=tristanite, in KYL82)
70°44S 165°44E G (Gregory Bluff area)	393±20 MY RS4I3/0.7136±0.0013 WR Granite; Gregory Bluff Pluton, Admiralty Intrusives. VET83
70°39S 166°02E R Nella Island	344 MY(GA 742)KA10 BT Adamellite: (Admiralty Intrusives). GAI69 STU70 WEB64 (info. in WEB64: 70°37S 166°05E; revised in TES81: 351 MY, KA17)
70°39S 166°03E R Thala Island	356 MY(GA 743)KA10 BT Adamellite; (Admiralty Intrusives). GAI69 STU70 WEB64 (info. in WEB64: 70°37S, 166°06E; revised in TES81: 363 MY, KA17)
70°37S 166°05E G Thala Island RM	366±2 MY(TH 1)KA17 BT Granite; Yule Batholith, Admiralty Intrusives. KRE81 TES81 (ages of diff. sieve fractions also in KRE81)
72°35S 166°08E R 4 km NW of Mt McCarthy	476±3 MY(3280TR;MGL/RB2)KA9 WR Argillite; Robertson Bay Group. ADA82A
70°40S 166°50E RM Missen Head	365.5±1.5 MY(TS 106)KA17 BT Granite; Yule Batholith, Admiralty Intrusives. KRE81 TES81 (ages of diff. sieve fractions also in KRE81)
70°41S 166°55E G Unger Island	320-390 MY(#'s?)KA17 WR Altered volcanics; --. KRE81
70°45S 167°E RM vic. Yule Bay	364±27 MY RS4I3/0.715±0.002 WR Granitic rocks; Yule Batholith, Admiralty Intrusives. KRE81 TES81 (tentative isochron)
70°45S 167°E RM vic. Yule Bay	353±17 MY RS3I3/0.714±0.002 WR Granitic rocks; Yule Batholith, Admiralty Intrusives. KRE81 TES81 (tentative isochron)
70°45S 167°24E G Sentry Rocks RM	366.5±1.5 MY(TS 104)KA17 BT Granite; Yule Batholith, Admiralty Intrusives. KRE81 TES81 (ages of diff. sieve fractions also in KRE81)
70°42S 167°29E G "Birthday Ridge" (Novosad I.) RM	361±1.5 MY(TS 102)KA17 BT Granite; Yule Batholith, Admiralty Intrusives. KRE81 TES81 (ages of diff. sieve fractions also in KRE81)
71°57S 167°30E R Upper Tucker Gl.	385 MY(#?)K/A WR Granodiorite; Tucker Granodiorite. GAI69 STU70 (pers. comm. Ravich & Krylov; ?KA6, as in RAV64)
70°44S 167°39E G Hughes Island RM	367±1.5 MY(TS 103)KA17 BT Granite; Yule Batholith, Admiralty Intrusives. KRE81 TES81 (ages of diff. sieve fractions also in KRE81)
70°50S 167°50E RM Cape Moore	363±2 MY(TS 2)KA17 BT Granite; Yule Batholith, Admiralty Intrusives. KRE81 TES81 (ages of diff. sieve fractions also in KRE81)
72°35S 169°20E RM Lower Tucker Glacier	363±2 MY(TU 1)KA17 BT Granodiorite; Admiralty Intrusives. KRE81 TES81
72°31S 169°46E G Football Saddle RM	357.5±2 MY(TS 1)KA17 BT Granite; Admiralty Intrusives. KRE81 TES81
72°19S 170°13E G W. end, Seabee Hook	145 BP(NZ 187)14C PQ Flattened body, Adelie chick, base of 38 cm tk. guano layer;--. HAR58 HAR64 (revised from 1210±70 BP(#R384,1958) in HAR58)
72°36.1S 170°16.9E R Cape Wheatstone	5.35±0.12 MY(Yu-McM-A 249B)KA9 WR Basalt pillow; McMurdo Volcanic Group. ARM78
71°35S 170°20E RM W slope, Adare Pen.	7.35±0.12 MY(JO 115a)KA17 WR Phonol. tephrite; Adare volcanics, unit E. KRE81 TES81

71°35S 170°20E RM W slope, Adare Pen.	7.08±0.11 MY(Jo 116)KA17 WR Phonol. tephrite; Adare volcanics, unit E. KRE81 TES81
71°35S 170°20E RM W slope, Adare Pen.	1.14±0.05 MY(Jo 148)KA17 WR Phonol. tephrite; Adare volcanics, unit E. KRE81 TES81
71°35S 170°20E RM W slope, Adare Pen.	6.77±0.05 MY(Jo 113c)KA17 WR Phonolite; Adare volcanics, unit D. KRE81 TES81
71°35S 170°20E RM W slope, Adare Pen.	8.28±0.05 MY(Jo 119)KA17 WR Phonolite; Adare volcanics, unit D. KRE81 TES81
71°35S 170°20E RM W slope, Adare Pen.	8.12±0.06 MY(Jo 141a)KA17 WR Phonolite; Adare volcanics, unit D. KRE81 TES81
71°35S 170°20E RM W slope, Adare Pen.	8.01±0.07 MY(Jo 185)KA17 WR Phonolite; Adare volcanics, unit D. KRE81 TES81
71°35S 170°20E RM W slope, Adare Pen.	7.69±0.05 MY(Jo 186)KA17 WR Phonolite; Adare volcanics, unit D. KRE81 TES81
71°35S 170°20E RM W slope, Adare Pen.	11.9±0.2 MY(Jo 106)KA17 WR Leucobasalt; Adare volcanics, unit C. KRE81 TES81
71°35S 170°20E RM W slope, Adare Pen.	11.74±0.10 MY(Jo 107)KA17 WR Quartz andesite; Adare volcanics, unit C. KRE81 TES81
71°35S 170°20E RM W slope, Adare Pen.	13.24±0.12 MY(Jo 110a)KA17 WR Leucobasalt; Adare volcanics, unit C. KRE81 TES81
71°35S 170°20E RM W slope, Adare Pen.	9.88±0.07 MY(Jo 154a)KA17 WR Phonol. tephrite; Adare volcanics, unit C. KRE81 TES81
72°23.2S 170°20.3E RM 8 km S of Cape Hallet	6.4±0.4 MY(Yu-McM-A 247G)KA9 WR Massive basalt; McMurdo Volcanic Group. ARM78
71°58.6S 170°40.5E RM Cape Roget	2.21±0.5 MY(Yu-McM-A 233D)KA9 WR Basalt pillow; McMurdo Volcanic Group. ARM78

GEOGRAPHIC AREA 3: VICTORIA LAND, SOUTH OF 73°00S TO 78°00S, EXCLUDING SOME DRY VALLEY AREAS (SEE GEOGRAPHIC AREAS 4-6) (samples from north to south by coordinates)

73°01S 161°15E G "Bleak Peak" Sequence Hills
770±20 MY(289)RSM2/0.7040 WR Qtz-biotite schist; Rennick Group. FAU70

73°03S 165°50E R NE rdg, Mt. Supernal
346.7±5 MY(NZKA 23;P36358A)KA12 BT Bt-hb-granite; Supernal Granite. HUL72 NAT71

73°03S 165°50E R NE rdg,Mt. Supernal
320.6±5 MY(NZKA 23;P36358B)KA12 HB Bt-hb-granite; Supernal Granite. HUL72 NAT71

73°10.1S 164°35.4E R Mount Overlord
6.8±0.14 MY(YU-McM-35412)KA9 WR Trachyandesite; McMurdo Volcanic Group. ARM78

73°10.1S 164°35.4E R Mount Overlord
8.1±1.7 MY(YU-McM-35413)KA9 WR Trachyandesite; McMurdo Volcanic Group. ARM78

73°10.1S 164°35.4E R Mount Overlord
7.2±0.14 MY(YU-McM-37085)KA9 WR Trachybasalt; McMurdo Volcanic Group. ARM78

73°11S 162°55E G Mesa Range
174.2±1.0 MY(#?)AAP Lava flow from base of range; Kirkpatrick Basalts. MCI82

73°15S 167°E RM SW side, Mariner Gl., E. of Meander Gl.
9±1 MY(ETT)RS2I3/0.7148 WR,CL Granite; pluton. STU83

73°22.8S 164°8.3E R Nathan Hills
18.0±0.7 MY(YU-McM-35416)KA9 WR Olivine basalt; McMurdo Volcanic Group. ARM78 (believed anomalously old by supplier, S. Nathan)

73°28S 163°52E R Stewart Heights
454.2±6 MY(NZKA 22;P36359)KA12 BT Granite; Cosmonaut Granite. HUL72 NAT71

73°29S 162°20E G Illusion Hills
530±13 MY(234)RSM2/0.7040 WR Mc-bt-granite; Campbell Plutonics. FAU70

73°29.3S 169°34.6E R Coulman Island
7.0±0.5 MY(YU-McM-A 220C)KA9 WR Latite pillow in palagonite breccia; McMurdo Volcanic Group. ARM78

73°46.8S 163°39.4E R Hades Terrace
4.3±0.2 MY(YU-McM-35421)KA9 WR Xenocrystic basalt; McMurdo Volcanic Group. ARM78

74°10.4S 164°29.7E R Baker Rocks
0.19±0.04 MY(YU-McM-35422)KA9 Trachybasalt; McMurdo Volcanic Group. ARM78

74°10.5S 164°41.8E R Mount Melbourne
0.25±0.06 MY(YU-McM-24918)KA9 WR Trachyte; McMurdo Volcanic Group. ARM78

74°13.8S 164°43.7E R Baker Rocks
0.72±0.10 MY(YU-McM-35425)KA9 WR Olivine basalt; McMurdo Volcanic Group. ARM78

74°15S 163°57E AR W side, Campbell Gl.
407.9±6 MY(NZKA 25;P36356)KA12 BT Granite in boulder; Dickason Granite. HUL72 NAT71

74°20.8S 164°41.2E R Mount Melbourne
0.08±0.015 MY(YU-McM-37175)KA9 WR Trachyandesite; McMurdo Volcanic Group. ARM78

74°20.9S 164°41.2E R Mount Melbourne
0.01±0.02 MY(YU-McM-34912)KA9 WR Trachyte glass; McMurdo Volcanic Group. ARM78

74°30S 165°28.4E R S of Willow Nunatak
2.4±0.1 MY(YU-McM-MM1d)KA9 WR Olivine basalt; McMurdo Volcanic Group. ARM78

74°51S 163°48E G "Hells Gate Ice Shelf"
2450±40 BP(^{14}C 75-22; QL-176)14C1 Sed. mixed with shells; —. KEL79A (data amended by M. Stuiver)

74°54S 163°39E G edge, Nansen Ice Sht. (Inexpressible I) RM
7020±60 BP(QL-174)14C1 SH Adamussium colbecki, from a recent moraine. STU81

75°57S 158°20E R Gorgon Peak	162.8±2.3 MY; 159.7 MY(78220)AAP1;AAF1 WR Dolerite; Ferrar Supergroup. KYL81B (mean age with #78038 is 165±2.4 MY)
75°57S 158°31E R Ambalada Peak	175.8±3.0 MY(78217)AAP1 WR Basalt; Ferrar Supergroup. KYL81B
76°00S 160°35E R* The Mitten	167.3±2.5 MY(78034)AAP1 WR Dolerite; Ferrar Supergroup. KYL81B (*text coords.="75°00S" inferred misprint; mean age with #78220 is 165±2.4 MY)
76°40S 159°40E G Allan Hills RM	185.0±4 MY(H-5)KA17 WR Massive dolerite; intrusive into Beacon Sandstone. HAL82
76°40S 159°40E G Allan Hills RM	183.7±4 MY(H-5)KA17 WR Massive dolerite; intrusive into Beacon Sandstone. HAL82
76°40S 159°40E G Allan Hills RM	188.8±4 MY(H-8)KA17 WR Basalt dike; intrudes Mawson Diamictite. HAL82
76°40S 159°40E G Allan Hills RM	189.7±4 MY(H-8)KA17 WR Basalt dike; intrudes Mawson Diamictite. HAL82
76°40S 159°40E G Allan Hills RM	184.3±4 MY(H-8)KA17 WR Basalt dike; intrudes Mawson Diamictite. HAL82
76°40S 159°40E G Allan Hills RM	185.7±3.4 MY(H-8)AAP2 WR Basalt dike; intrudes Mawson Diamictite. HAL82 (other ages of age spectra data also in HAL82)
76°53S 159°24E G Carapace Nun., S. RM	164.3±3 MY(H-31)KA17 WR Basalt flow; 10 m above Carapace Nunatak sandstone. HAL82
76°53S 159°24E G Carapace Nun., S. RM	166.5±3 MY(H-31)KA17 WR Basalt flow; 10 m above Carapace Nunatak sandstone. HAL82
76°53S 159°24E G Carapace Nun., S. RM	157.5±3 MY(H-31)KA17 WR Basalt flow; 10 m above Carapace Nunatak sandstone. HAL82
76°53S 159°24E G Carapace Nun., N. RM	151.0±3 MY(H-32)KA17 WR Basalt pillow; above Carapace Nunatak sandstone. HAL82
76°53S 159°24E G Carapace Nun. N. RM	152.3±3 MY (H-32)KA17 WR Basalt pillow; above Carapace Nunatak sandstone. HAL82
76°53S 159°24E G Carapace Nun., N. RM	182.8±3.5 MY(H-32)AAP2 WR Basalt pillow; above Carapace Nunatak sandstone. HAL82 (other ages of age spectra data also in HAL82)
77°00S 162°32E R Granite Harbor	486±15 MY(25)RSM2/0.709 BT Granite; Irizar granite. DEU64
77°00S 162°32E R Granite Harbor	475±80 MY(25)RSM2/0.709 FD Granite; Irizar granite. DEU64
77°00S 162°30E R Granite Harbor	535±120 MY(30)RSM2/0.709 WR Aplite; assoc. with #25 from Irizar granite. DEU64
77°27S 161°56E R main rdg, Olympus Ra.	345±12 MY(1)RSM2/0.709 BT Schist; Asgard formation. DEU64
77°27S 161°56E R main rdg, Olympus Ra.	338±12 MY(1)RSM2/0.709 BT Schist; Asgard formation. DEU64
77°30S 162°00E M Victoria Land	c.580 MY RS4I2/(btwn 0.70 and 0.71) WR Pegmatoid, Basement Sill, Solitary Rocks; pegmatoid, New Mountain Sill; granite, Irizar Granite, Taylor Valley; aplite, assoc. with Irizar Granite, Granite Harbor. COM68 (ques. geol. significance of isochron)

77°33S 160°08E R Mount Fleming	500 MY; 500+ MY RSR/(below 0.707) FD+QZ 4 size-fractions of till; —. FAU81A (2 samples fit isochron, 2 plot above; oldest date derivable is 1460 MY; 2 FD samples from ss clasts in till also plot above isochron)
77°33S 160°06E G SW flank, Mt. Fleming	238±4 MY RS4I3/0.71000±0.00038 FD Size fractions from basal till and sandstone clasts in till; overlies Mt. Fleming Fm., Beacon Supergroup. TAY83 (provenance age)
77°33S160°06E G SW flank, Mt. Fleming	499 MY RS2I3/0.7085 FD Fine size fractions from basal till; overlies Mt. Fleming Fm. TAY83 (provenance age)
77°45S 161°00E M S. Victoria Land	151±18 MY RS9I2/(btwn 0.710 and 0.715) WR Hyperstene tholeiites: Lake Vanda Sill, (Wright Valley); Basement Sill, Solitary Rocks; Emmanuel Sill, Emmanuel Gl.; shared strat.=Ferrar Dolerite. COM68
77°45S 163°20E RM Lower Ferrar Valley	9860±160 BP(QL-995)14Cl AL Layer in place in silt bed in delta 62 m alt.; on Ross Sea drift. STU81
77°45S 163°20E RM Lower Ferrar Valley	10,000±40 BP(QL-1036)14Cl AL Layer in place in silt bed in delta 43 m alt.; on Ross Sea drift. STU81
77°48S 161°10E G Solitary Rocks*	153.9 MY(GA 1462)KA8 PL Pegmatoid hypersthene tholeiite; Basement Sill. COM68 (*based on Table 2; infer "Lake Vanda Sill" (Wright Valley) in Table 1 is misprint)
77°48S 161°10E G Solitary Rocks*	156.4 MY(GA 1462)KA8 PL Pegmatoid hypersthene tholeiite; Basement Sill. COM68 (*based on Table 2; infer "Lake Vanda Sill" (Wright Valley) in Table 1 is misprint)
77°48S 161°10E G Solitary Rocks*	169.2 MY(GA 1462)KA8 PH Pegmatoid hypersthene tholeiite; Basement Sill. COM68 (*based on Table 2; infer "Lake Vanda Sill" (Wright Valley) in Table 1 is misprint)
77°48S 161°10E G Solitary Rocks*	164.5 MY(GA 1462)KA8 PH Pegmatoid hypersthene tholeiite; Basement Sill. COM68 (*based on Table 2; infer "Lake Vanda Sill" (Wright Valley) in Table 1 is misprint)
77°52S 164°24E RM near Blue Glacier	12,330±50 BP(QL-1146)14Cl GB Layer, in place in lac. delta, 255 m alt.; nr limit, Ross Sea drift. STU81
77°54S 164°32E RM near Hobbs Glacier	700±50 BP(QL-75)14Cl GB Mat, 16 m alt; on or near surface of ice-cored Ross Sea drift. STU81
77°54S 164°32E RM near Hobbs Glacier	550±30 BP(QL-76)14Cl GB Mat, 9 m alt.; on or near surface of ice-cored Ross Sea drift. STU81
77°54S 164°32E RM near Hobbs Glacier	1600±50 BP(QL-86)14Cl GB Mat, 46 m alt.; on or near surface of ice-cored Ross Sea drift. STU81
77°54S 164°29E RM near Hobbs Glacier	1190±70 BP(QL-90)14Cl GB Mat, 126 m alt.; on or near surface of ice-cored Ross Sea drift. STU81
77°54S 164°31E RM near Hobbs Glacier	2540±50 BP(QL-91)14Cl GB Mat, 75 m alt.; on or near surface of ice-cored Ross Sea drift. STU81
77°54S 164°30E RM near Hobbs Glacier	2880±80 BP(QL-93)14Cl GB Mat, 38 m alt; on or near surface of ice-cored Ross Sea drift. STU81
77°54S 164°28E RM near Hobbs Glacier	800±10[illegible] BP(Y-2391)14Cl GB Mat, 130 m alt.; on or near surface of ice-cored Ross Sea drift. STU81
77°54S 164°32E RM near Hobbs Glacier	1340±100 BP(Y-2392)14Cl GB Mat, 38 m alt. on or near surface of ice-cored Ross Sea drift. STU81

77°54S 164°32E RM
near Hobbs Glacier
77°54S 164°28E RM
near Hobbs Glacier
77°54S 164°28E RM
near Hobbs Glacier
77°54S 164°29E RM
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77°55S 164°31E RM
near Hobbs Glacier
77°55S 164°32E RM
near Hobbs Glacier
77°55S 164°28E RM
near Hobbs Glacier
77°55S 164°28E RM
near Hobbs Glacier
77°55S 164°29E RM
near Hobbs Glacier
77°55S 164°28E M
front, Hobbs Glacier

77°55S 164°28E RM
front, Hobbs Glacier
77°55S 164°28E RM
front, Hobbs Glacier
77°56S 164°24E RM
Salmon Stream
77°56S 164°24E RM
Salmon Stream
77°57S 162°00E RM
Table Mountain
77°57S 164°42E R
front, Hobbs Glacier

350±80 BP(Y-2393)14C1 GB Mat, 40 m alt.; on or near surface of ice-cored Ross Sea drift. STU81
1720±100 BP(Y-2395)14C1 GB Mat, 158 m alt.; on or near surface of ice-cored Ross Sea drift. STU81
4030±160 BP(Y-2396)14C1 GB Mat, 129 m alt.; on or near surface of ice-cored Ross Sea drift. STU81
9490±140 BP(Y-2399)14C1 GB Mat, 134 m alt.; on or near surface of ice-cored Ross Sea drift. STU81
800±80 BP(Y-2400)14C1 GB Mat, 150 m alt.; on or near surface of ice-cored Ross Sea drift. STU81
2640±100 BP(I-3018)14C AL Contorted, with mirabilite in moraine of Koettlitz Gl.;—. BLA68
1980±60 BP(QL-73)14C1 GB Mat, 13 m alt.; on or near surface of ice-cored Ross Sea drift. STU81
900±50 BP(QL-78)14C1 GB Mat, 5 m alt.; on or near surface of ice-cored Ross Sea drift. STU81
3160±70 BP(QL-87)14C1 GB Mat,65 m alt.;on or near surface of ice-cored Ross Sea drift. STU81
1030±40 BP(QL-88)14C1 GB Mat,8 m alt.; on or near surface of ice-cored Ross Sea drift. STU81
2460±50 BP(QL-89)14C1 GB Mat, 110 m alt.; on or near surface of ice-cored Ross Sea drift. STU81
2800±50 BP(QL-92)14C1 GB Mat, 72 m alt.; on or near surface of ice-cored Ross Sea drift. STU81
3300±90 BP(QL-94)14C1 GB Mat, 26 m alt.; on or near surface of ice-cored Ross Sea drift. STU81
3930±140 BP(Y-2394)14C1 GB Mat, 91 m alt.; on or near surface of ice-cored Ross Sea drift. STU81
2010±80 BP(Y-2397)14C1 GB Mat, 62 m alt.; on or near surface of ice-cored Ross Sea drift. STU81
1980±80 BP(Y-2398)14C1 GB Mat, 157 m alt.; on or near surface of ice-cored Ross Sea drift. STU81
6100±140 BP(Y-2401)14C1 GB Mat, 100 m alt.; on or near surface of ice-cored Ross Sea drift. STU81
2680±120 BP(Y-2402)14C1 GB Mat, 99 m alt.; on or near surface of ice-cored Ross Sea drift. STU81
3740±210 BP(#?)14C2 SE Lobodontini from mirabilite; —. SIE68
(SIE68: age=3125±210 BP if res.corr.=615±100BP)
12,200±1000 BP(I-3019)14C1 OM Fetid, assoc. with mirabilite, basal moraine of Hobbs Gl.;—. BLA68
2800±100 BP(I-3020)14C AL Contorted, with mirabilite in moraine of Koettlitz Gl.;—. BLA68
8800±50 BP(QL-1160)14C1 GB Layer, 122 m alt., in place in silt bed in lac. delta;—. STU81
4720±50 BP(QL-1161)14C1 GB Layer, 78 m alt.; in place in silt bed in lac. delta;—. STU81
524±115 MY RS4I3/0.7132+0.0068 FD Size fractions from till; possible Cenozoic. FAU81
5900±140 BP(L-462C)14C1 Algiferous sand, ablation drift, moraine of Koettlitz Gl.;—.0LS61
(infer=#L-462 in PEW58)

77°59S 164°10E R in front of Davis Gl.	250±150 BP(L-627)14CCl SE Flipper, crabeater, on the ground, 1170 ft. alt. OLS61 PEW62 (OLS61: age=1450 BP w/o corr. based on #L-570)
77°59S 164°20E R Garwood Valley	2480±120 BP(L-462A)14Cl PE Algal, in glacial sand and gravel, moraine of Koettlitz Gl.;—. OLS61 PEW58 (OLS61: loc.="Hobbs Valley")

GEOGRAPHIC AREA 4: VICTORIA VALLEY AND ASSOCIATED DRY VALLEYS NORTH OF OLYMPUS RANGE IN VICTORIA LAND (samples from west to east by coordinates)

77°20S 161°08E R
N of L. Vashka
163 MY(GA 153)KA9 PY Dolerite from lower sheet; Ferrar Dolerite. MCD63

77°20S 161°08E R
N. of L. Vashka
162 MY(GA 152)KA8 PL Dolerite from lowest sill; Ferrar Dolerite. EVE62.

77°25S 161°45E R
SW of L. Vida
162 MY(GA 250)KA9 PL Dolerite from middle sheet; Ferrar Dolerite. MCD63

77°22S 161°51E R
DVDP 6, by L. Vida
172±23 MY, 193±23 MY, 170±24 MY, 176±25 MY(ANGN-1)FT1 ZR Gneiss; olympus granite gneiss. VOC78 VOC81
(VOC81: mean age=180±24 MY)

77°22S 161°51E R
DVDP 6, by L. Vida
123±16 MY(ANGN-1)FT1 AP Gneiss; olympus granite gneiss. VOC78 VOC81

77°22S 161°51E R
DVDP 6, by L. Vida
558±83 MY, 444±75 MY, 517±90 MY(ANGR-1)FT1 ZR Granite; vida granite. VOC78 VOC81
(VOC81: mean age=500±83 MY)

77°22S 161°51E R
DVDP 6, by L. Vida
48±12 MY(ANGR-1)FT1 AP Granite; vida granite. VOC78 VOC81

77°22S 161°51E R
DVDP 6, by L. Vida
513 MY, 602 MY, 947 MY(ANGN-1)UP5 ZR Gneiss;
484 MY, 512 MY, 633 MY " "
474 MY, 479 MY, 497 MY " "
455 MY, 465 MY, 507 MY " "
olympus granite gneiss. VOC81
(ages are discordant, LI=462±6 MY, UI=2555±330 MY)

77°22S 161°51E R
DVDP 6, by L. Vida
318 MY, 332 MY, 419 MY(ANGR-1C)UP5 ZR Granite;
316 MY, 332 MY, 441 MY* " "
281 MY, 299 MY, 433 MY " "
300 MY, 318 MY, 446 MY(ANGR-1D)UP5 ZR Granite;
306 MY, 324 MY, 444 MY " "
295 MY, 313 MY, 445 MY " "
303 MY, 322 MY, 452 MY " "
vida granite. VOC81
(*correction made by us in inferred misprint; ages are discordant, LI=-0.000979, UI=433 MY; if LI constrained to 0 MY, UI=447±34 MY)

77°22S 161°51E R
DVDP 6, by L. Vida
242±31 MY(V6-37)RS3I2/0.7082±0.0027 WR,BT,PL Para-gneiss; basement complex. STU75A VOC81
(VOC81; age=235±31 MY using RS3, strat.=olympus granite gneiss; STU75A: true age more than 500 MY)

77°22S 161°51E R
DVDP 6, by L. Vida
486±14 MY(V6-173 & V6-300)RS5I2/0.7098±0.0007 WM quartz monzonite; basement complex. STU75A VOC81
(VOC81: age=475±14 MY using RS3, strat.=vida granite)

77°23S 161°52E R
S. of L. Vida
210 MY(GA 246)KA9 BT Granodiorite; Admiralty system. MCD63

77°23S 161°57E G
10 m above L. Vida
13,400±330 BP(74-33)UT1 CA Algal 1 m, deltaic beds; --. HEN79
(232Th corrected age=8000 BP; infer =#ER33, age= 8.5±0.3 KY, Old Delta, L. Vida in UNI75)

77°23S 161°57E G
Lake Vida
26±14 KY(ER27)U/T — (Lacustrine CA or GP), Old Delta; —. UNI75

77°23S 161°57E G 10 m above L. Vida	11,075±151 BP(Wk58)14C CA Lac., algal l m, deltaic beds; —. HEN79 (for comparison with #74-33)
77°24S 162°E R SE of L. Vashka	159 MY(GA 249)KA9 PL Dolerite from lower sheet; Ferrar Dolerite. MCD63
77°23S 162°E R SE of L. Vida	185 MY(GA 147)KA9 BT Granodiorite; Admiralty system. MCD63
77°23S 162°E R SE of L. Vida	222 MY(GA 149)KA9 OR Silicic dike; intrusive into Admiralty system. MCD63
77°23S 162°E R* SE of L. Vida	211 MY(GA 251)KA9 BT Silicic dike; Admiralty system. MCD63 (*infer dscrpt. for "GA 247" is for this sample)
77°23S 162°00E G Victoria Valley* 77°25S 162°05E AR S. wall, Victoria Val.	68±4 MY to 157±7 MY(#?)FTK AP Basement samples. GLE83 (*and Wright Valley—also listed in Geog. Area 5) 549±15 MY, 564±18 MY, 598±25 MY(#?)UPl ZR Fraction; 506±15 MY, 526±18 MY, 611±25 MY " " 521±15 MY, 535±18 MY, 598±25 MY " " Olympus Granite-gneiss. DEU66 (Ages are discordant; best chord LI=0, UI=610 MY; if LI=160 MY, then UI=640 MY.; recalc. in SKI83 as UI=588.5±12.5 MY if LI=0)

GEOGRAPHIC AREA 5: WRIGHT VALLEY AND BULL PASS, VICTORIA LAND (samples from west to east by coordinates)

77°32S 161°05E RM N Fork, Wright Valley	780 BP(R. 809/2)14CC SK Seal No. 36; on the surface. BAR67 (age based on std.=-140 o/oo; corr.=c.1200 yrs)
77°35S 161°05E RM S Fork, Wright Valley	560 BP(R. 809/3)14CC FL Adelie PQ, Pygoscelis adeliae;--. BAR67 (age based on std=-140o/oo; corr.=c.1200 yrs)
77°34S 161°10E R Don Juan Pond vic.	1210±120 BP(#?)14C SE Carcass of crabeater (Lobodon carcinophagus). YAM67 DOR81
77°16S 161°15E R Wright Valley	190.8±6.6 MY; 181.2 MY(77060)AAP1; AAF1 WR Dolerite; Ferrar Supergroup. KYL81B
77°32S 161°30E R S shore, L. Vanda	481±15 MY(6)RSM2/0.709 BT Gneiss; Olympus granite-gneiss. DEU64
77°32S 161°30E R S shore, L. Vanda	494±15 MY(8)RSM2/0.709 BT Gneiss; Olympus granite-gneiss. DEU64
77°32S 161°33E G in Lake Vanda	13,600±1000 BP(#?)U/T CA Assoc. with gypsum, 55 cm level of core near hole H;--. GUM74 (may=#ER13, same loc.)
77°32S 161°33E G in Lake Vanda	LT 2000 BP(#?)U/T CA Assoc. with gypsum, 15 cm level of core near hole H;--. GUM74
77°32S 161°33E G in Lake Vanda	13.6±0.9 KY(ER13)U/T 1st EV, L. Vanda Core K; --. UNI75 ("Th contamination"; may=#? of GUM74 from 55 cm)
77°32S 161°33E G in Lake Vanda	9.5±1.6 KY(ER25)U/T 1st EV, L. Vanda deep core; --. UNI75 ("a little Th.")
77°32S 161°33E G in Lake Vanda	13.6±0.5 KY(ER26)U/T 2nd EV, L. Vanda deep core; --. UNI75 ("a little Th.")
77°32S 161°33E G in Lake Vanda	3.3±2.2 KY(ER32)U/T (EV) L. Vanda deep core 166 cm; --. UNI75 ("too little material, Th contamination")
77°32S 161°33E G near L. Vanda	100 BP(R. 809/1)14CC SK Seal No. 7; on the surface. BAR67 (age based on std.=-140 o/oo; corr.=c.1200 yrs)
77°32S 161°33E G in Lake Vanda	0±150 BP(ML 692)14C LW 25 m. depth. JON 71 ("age is probably 20 to 70 years")
77°32S 161°33E G in Lake Vanda	2130±80 BP(ML 691)14C LW 60 m. depth. JON 71 (at 9 m. depth, counts=10x modern; at 54 m. depth, counts=2.5x modern)
77°32S 161°33E G nr Lake Vanda	c.3000 BP(#?)14C AL Circa upper lake shore lines; --. WIL69
77°32S 161°33E G shore of Lake Vanda	2080±90 BP(#?)14C AL Elevated beach 41 m. above lake level on 12/2/70;--. YOS75
77°32S 161°33E G shore of Lake Vanda	2120±90 BP(#?)14C AL Elevated beach 36 m. above lake level on 12/2/70;--. YOS75
77°32S 161°33E shore of Lake Vanda	2430±100 BP(#?)14C AL Elevated beach 34 m. above lake level on 12/26/68;--. YOS75
77°32S 161°33E G shore of Lake Vanda	2920±120 BP(#?)14C AL Elevated beach 29 m. above lake level on 12/26/68;--. YOS75
77°32S 161°33E G shore of Lake Vanda	2590±100 BP(#?)14C AL Elevated beach 24 m. above lake level on 12/26/68;--. YOS75

77°32S 161°33E G shore of Lake Vanda	2210±90 BP(#?)14C AL Elevated beach 18 m. above lake level on 12/26/68;—. YOS75
77°32S 161°33E G shore of Lake Vanda	1930±110 BP(#?)14C AL Elevated beach 11 m. above lake level on 12/26/68;—. YOS75
77°32S 161°33E G shore of Lake Vanda	1810±90 BP(#?)14C AL Elevated beach 11 m. above lake level on 12/2/70;—. YOS75
77°32S 161°33E G shore of Lake Vanda	1280±90 BP(#?)14C AL Elevated beach 5 m. above lake level on 12/2/70;— YOS75
77°32S 161°33E G shore of Lake Vanda	2760±100 BP(#?)14C AL Elevated beach 2 m. above lake level on 12/26/68;—. YOS75
77°32S 161°33E G shore of Lake Vanda	1990±130 BP(#?)14C AL Elevated beach 0.3 m. above lake level on 12/2/70;—. YOS75
77°32S 161°33E G shore of Lake Vanda	2130±90 BP(#?)14C AL Elevated beach 25 m. above lake level on 12/27/68;—. YOS75
77°32S 161°33E G shore of Lake Vanda	2000±100 BP(#?)14C AL Elevated beach 22 m. above lake level on 12/27/68;—. YOS75
77°32S 161°33E G shore of Lake Vanda	2060±54 BP(#?)14C AL Elevated beach 22 m. above lake level on 12/27/68;—. YOS75
77°32S 161°40E RM NE of Lake Vanda	150 MY(#?)FTK BT Ferrar Dolerite. SHI67
77°32S 161°40E RM NE of Lake Vanda	200 MY(#?)FTK BT Vida Granite. SHI67
77°32S 161°40E RM NE of Lake Vanda	520 MY(#?)FTK BT Dais Granite. SHI67
77°32S 161°50E RM floor, Wright Valley	GT 35,000 BP(L-645)14C SH Pecten shells, fossiliferous gravel; Pecten Glaciation. NIC65
77°32S 161°50E RM floor, Wright Valley	GT 800 KY(#?)U/T Pecten shells, fossiliferous gravel; Pecten Glaciation. NIC65 (pers. comm., Broecker; radium-uranium measurements suggest same date, pers. comm. Turber, NIC71)
77°31S 161°50E G Wright Valley RM	499±43 MY RS9I2/0.7109±0.0007 WR Granite to granodiorite; Olympus granite-gneiss and Dais granite.FAU74
77°31S 161°50E G Wright Valley RM	481±44 MY RS10I2/0.7104±0.0008 WK Granite to granodiorite, porphyry; Vida granite and Vanda porphyry. FAU74
77°31S 161°50E G Wright Valley	490±14 MY RS15I2/0.7109 WF Olympus granite-gneiss, Dais granite, and Vida granite. JON69 (infer = 2 RSI sample suites of FAU74 above)
77°31S 161°50E G Wright Valley*	68±4 MY to 157±7 MY(#?)FTK AP Basement samples. GLE83 (*and Victoria Val. — also listed in Geog. Area 4)
77°30S 161°52E G Prospect Mesa	460±95 MY(F-80-2)RS5I3/0.70869±0.00096 FD,"WR" Size fractions from sediment; Jason Diamicton. TAY83 (provenance date; "WR" from 1-2 mm size fraction)
77°30S 161°52E G Prospect Mesa	762±90 MY(F-80-3)RS4I3/0.70534±0.00093 FD Size fractions from Peleus till. TAY83 (provenance date)
77°30S 162°E AR N side, Wright Val. 2 km E, Bull Pass RM	4.1±0.2 MY(#?)FT2 MI Size fractions, soil; on bench carved during Vanda glacial. JAC77 (ages of size fractions in each horizon also listed in JAC77; date on parent rock given below)
77°30S 162°E AR N side, Wright Val. c.2 km E, Bull Pass	151.2 MY(#?)FT2 BT Granite from outcrop near soil MI site listed above; Olympus granite-gneiss. JAC77 (parent rock for above listed soil)

77°30S 162°04E R N wall, Wright Valley	477±15 MY(29)RSM2/0.709 BH Porphyry dyke; In Olympus granite-gneiss. DEU64
77°30S 162°04E R N wall, Wright Val.	942±80 MY(29)RSM2/0.709 FD Porphyry dyke; In Olympus granite-gneiss. DEU64 (determined from ages of 956 MY, 940 MY, and 931 MY)
77°30S 162°04E R N wall, Wright Valley	1000±80 MY(29)RSM2/0.709 WR Porphyry dyke; in Olympus granite-gneiss. DEU64 (from ages of 1030 MY, 960 MY, and 1003 MY; eval. in JON 67)
77°30S 162°04E R N wall, Wright Valley	495±15 MY(22)RSM2/0.709±0.004 BT Granodiorite; Theseus granodiorite. DEU64
77°30S 162°08E R N wall, Wright Valley	435±25 MY(21)RSM2/0.709±0.004 BT Pegmatite; In Olympus granite-gneiss. DEU64
77°31.6S 162°09.3E R cone nr Bartley Gl.	3.75±0.2 MY(YU-McM-WV3)KA9 WR Basalt; McMurdo Volcanic Group. ARM78 (infer is rev. age for #?, 3.9±0.3 MY in NIC71 and #?, 3.6 ±0.3 MY in DEN68; loc. info. divergent; info. also in FLE72 and JAC77)
77°32S 162°10E M W Bartley Glacier	1970±95 BP(#?)14C SE In the face of a small terrace; Alpine I glaciation. BEH70
77°28S 162°16E R N wall, Wright Val.	494±15 MY(2)RSM2/0.709±0.004 BT Schist; Asgard Formation. DEU64
77°30S 162°20E M W side, Meserve Gl.	3.4±0.6 MY(LMJ-1)K/A WR Basalt; Debris at 1 m depth, Alpine II moraine. FLE72 BEH74
77°30S 162°20E M W side, Meserve Gl.	3.4±0.1 MY(LMJ-2)K/A WR Basalt; Debris at surface, Alpine II moraine. FLE72 BEH74
77°30S 162°20E M W. Meserve Gl. basin	2.5±0.3 MY(LMJ-3)K/A WR Basalt, of cone; McMurdo volcanics. FLE72 BEH74
77°30S 162°20E M S. wall, Wright Valley	4.2±0.2 MY(LMJ-4)K/A WR Basalt, smaller & more westerly of 2 cones; 2nd Loop cone, McMurdo volcanics. FLE72 BEH74
77°30S 162°20E M near Meserve Gl.	470±7 MY RS4I2/0.7119±0.0006 WK Porphyry; Vanda porphyry dikes. JON67
77°29.2S 162°24.0E R cone near Goodspeed Glacier	3.50±0.2 MY(YU-McM-WV 2E)KA9 WR Basalt; McMurdo Volcanic Group. ARM78 (infer is rev. age for #?, 3.7±0.3 MY in NIC71 and #?, 3.5±0.3 MY in DEN68; loc. info. divergent; info. also in FLE72 and JAC77)
77°29S 162°33E R N spur, Mt. Loke	479±15 MY(17)RSM2/0.709 BT Porphyritic granite; Dais granite. DEU64
77° 29S 162°33E R N spur, Mt. Loke	495±15 MY(17)RSM2/0.709 BT Porphyritic granite; Dais granite. DEU64
77°24S 162°45E R N wall, nr Mt. Doorly	487±15 MY(18)RSM2/0.709 BT Porphyritic granite; Dais granite. DEU64

GEOGRAPHIC AREA 6: TAYLOR VALLEY, VICTORIA LAND, FROM TAYLOR GLACIER TO GNEISS POINT (samples from west to east by coordinates)

77°46.0S 162°07.9E R above Taylor Gl.
1.84±0.11 MY(YU-McM-26)KA9 WR Lava cascade from ridge crest; McMurdo Volcanic Group. ARM78

77°45.9S 162°08.4E R above Taylor Gl.
1.53±0.06 MY(YU-McM-27)KA9 WR Welded spatter from cinder cone; McMurdo Volcanic Group. ARM78

77°46.2S 162°08.4E R above Taylor Gl.
2.00±0.06 MY(YU-McM-29)KA9 WR Lava cascade from ridge crest; McMurdo Volcanic Group. ARM78

77°42S 162°14E G (nr Rhone Glacier)
300+40-25 KY(390)U/T (CA) —; Rhone Gl. section. UNI78

77°44.4S 162°15.0E R above Taylor Gl.
1.94±0.12 MY(YU-McM-24)KA9 WR Flow capping till and covered by erratics; McMurdo Volcanic Gp. ARM78

77°44S 162°15E M nr snout, Taylor Gl.
2.6±0.2 MY("3")KA9 WR Basalt from a lateral moraine; postdates extensive glaciation. ARM68 (in progress rept; superceded by dating in ARM78)

77°44S 162°15E RM L. Bonney drainage ba.
17,790±70 BP(QL-1257)14C1 GB 144 m alt., layer in silt bed in delta; (Glacial Lake Washburn). STU81

77°43S 162°15E RM L. Bonney drainage ba.
16,470±250 BP(QL-1046)14C1 GB 116 m alt., layer in silt bed in delta; (Glacial Lake Washburn). STU81

77°42.2S 162°15.7E R E. of Rhone Gl.
1.79±0.13 MY(YU-McM-23)KA9 WR Massive flow on flank of cinder cone; McMurdo Volcanic Group. ARM78

77°41.8S 162°15.9E R E of Rhone Gl.
2.00±0.18 MY(YU-McM-20)KA9 WR Bomb on cinder cone nr summit; McMurdo Volcanic Group. ARM78 (infer=#?, 1.8±0.2m in DEN68)

77°46S 162°17E G (nr Calkin Glacier)
250±15 KY(76-25)U/T (CA) —; Calkin delta. UNI78

77°43S 162°20E M (btwn Hughes and (Bonney Reigel Gls.)
136±3 KY, 140±10 KY(383)U/T (CA) (Lac. sediment) clasts in "till between Hughes and Bonney Reigel." UNI78

77°43S 162°20E M (btwn Hughes and Bonney Reigel Gls.)
240-40+70 KY, 318±12 KY(384)U/T (CA) (Lac.sed.) clasts in "till between Hughes and Bonney Reigel." UNI78

77°43S 162°20E M nr west lobe, L. Bonney
203±10 KY(74-24)UT1 CA Platy lacustrine, lag; (possibly Taylor II Glaciation). HEN79 (infer=#ER24 in UNI75)

77°43S 162°20E M nr west lobe, L. Bonney
210±10 KY(74-19)UTI CA Platy lacustrine, lag; (possibly Taylor II Glaciation) HEN79 (infer=#ER19 in UNI75)

77°43S 162°20E M nr west lobe, L. Bonney
198±10 KY(74-20)UTI CA Platy lacustrine, lag; (possibly Taylor II Glaciation). HEN79 (infer=#ER20 in UNI75)

77°43S 162°20E M nr west lobe, L. Bonney
197±8 TY(74-23)UTI CA Platy lacustrine, lag; (possibly Taylor II Glaciation). HEN79 (infer=#ER23 in UNI75)

77°44S 162°20E RM L. Bonney drainage ba.
21,200±200 BP(QL-1246)14C1 GB 113 m alt., layer in silt bed in delta; (Glacial Lake Washburn). STU81

77°44S 162°20E RM L. Bonney drainage ba.
17,530±70 BP(QL-1247)14C1 GB 102 m alt., layer in silt bed in delta; (Glacial Lake Washburn). STU81

77°43S 162°20E M West Lobe, L. Bonney
15,450±1650 BP(NZ2702/1)14C IC Bottom waters; postdates Taylor II glaciation. HEN77

77°41.3S 162°22.5E R by Matternhorn Gl.
3.33±0.10 MY(YU-McM-16)KA9 WR Basalt; McMurdo Volcanic Group. ARM78 (infer=#?, 3.3±0.2 MY, in DEN68)

77043S 162025E RM L. Bonney drainage ba.	19,300+800 BP(QL-1256)14C1 GB 89 m alt., layer in silt bed in delta; (Glacial Lake Washburn). STU81
77044S 162025E RM L. Bonney drainage ba.	18,700+80 BP(QL-1248)14C1 GB 186 m alt., layer in silt bed in delta; (Glacial Lake Washburn). STU81
77044S 162025E RM L. Bonney drainage ba.	18,170+70 BP(QL-1137)14C1 GB 205 m alt., layer in silt bed in delta; (Glacial Lake Washburn). STU81
77043S 162025E RM L. Bonney drainage ba.	13,980+60 BP(QL-1255)14C1 GB 99 m alt., layer in silt bed in delta; (Glacial Lake Washburn). STU81
77042S 162025E R in ice of L. Bonney	GT 300 BP(L-462E)14CC1 SE Fur from carcass. OLS61 (w/o corr. factor, age=1500+150 BP)
77043S 162025E G East Lobe, L. Bonney	1.97+0.12 KY(74-29)UT1 AR Shallow core; (possibly Taylor I glaciation). HEN79 (232Th corr. age=0.800 KY; infer=#ER29 in UNI 75)
77043S 162025E G East Lobe, L. Bonney	4.09+0.43 KY(74-30)UT1 GP Shallow core; (possibly Taylor I Glaciation). HEN79 (232Th corr. age=0.90 TY; infer=#ER30 in UNI75)
77043S 162025E G East Lobe, L. Bonney	1.80+0.14 KY(74-56)UT1 AR Shallow core; (possibly Taylor I Glaciation). HEN79 (232Th corr. age=1.10 KY; infer=#ER56 in UNI75)
77043S 162025E G East Lobe, L. Bonney	1.90+0.12 KY(74-57)UT1 AR Shallow core; (possibly Taylor I glaciation). HEN79 (232Th corr. age=0.60 KY; infer=#57 in UNI75)
77043S 162025E G East Lobe, L. Bonney	10.00+0.60 KY(74-58)UT1 GP Shallow core; (possibly Taylor I Glaciation). HEN79 (232Th corr. age=0.1 KY; infer=#ER58 in UNI75)
77043S 162025E G East Lobe, L. Bonney	5.60+0.19 KY(74-90)UT1 AR Varves 48 cm down core 11, sed. depth c. 1.6 m; (poss. Taylor I Glac.). HEN79 (232Th corr. age=1.98+0.28 KY; infer=#ER90 in UNI75)
77043S 162025E G (nr Lake Bonney)	GT 400+1SD KY(386)U/T (CA) Lake Bonny till. UNI78 ("No Th recovery")
77043S 162025E G (nr Lake Bonney)	GT 290+2SD KY(387)U/T (CA) Lake Bonny till. UNI78
77043S 162025E G E of L. Bonney	2.55+0.56 MY;2.44+0.18 MY(#?)K/A WR Trachybasalt, dyke?, 400 m alt.; McMurdo volcanic province. KUR78
77043S 162025E G E of L. Bonney	2.53+0.20 MY(#?)K/A WR Trachybasalt, vent, 750 m alt.; McMurdo volcanic province. KUR78
77041.8S 162025.3E R nr Matterhorn Gl.	3.38+0.14 MY(YU-McM-19)KA9 WR Basalt, covered with erratics; McMurdo Volcanic Group. ARM78
77040-43S 162030-45E R Suess Gl, L. Bonney, Nussbaum Riegel	2045+140 BP(M-1919)14C2 SK Desiccated Weddell seal, side away from ground. CRA68
77040-43S 162030-45E R Suess Gl, L. Bonney, Nussbaum Riegel	2490+140 BP(M-1981)14C2 MU Weddell seal, weathered side of thorax. CRA72B (same animal as M-1919)
77040-43S 162030-45E R Suess Gl, L. Bonney, Nussbaum Riegel	845+100 BP(M-1912)14C2 SE Desiccated Crabeater flipper, side next to ground. CRA68
77040-43S 162030-45E R Suess Gl, L. Bonney, Nussbaum Riegel	870+100 BP(M-1913)14C2 SE Desiccated Crabeater flipper, in contact with ground. CRA68
77040-43S 162030-45E R Suess Gl, L. Bonney, Nussbaum Riegel	1200+120 BP(M-1914)14C2 SE Desiccated Crabeater flipper, side away from ground. CRA68

77o40-43S 162o30-45E R Suess Gl, L. Bonney, Nussbaum Riegel — 1045±120 BP (M-1915) 14C2 SE Desiccated Crabeater flipper, on side away from ground. CRA68

77o40-43S 162o30-45E R Suess Gl, L. Bonney, Nussbaum Riegel — 2150±200 BP (M-1916) 14C2 SE Desiccated Crabeater flipper, on side away from ground. CRA68

77o40-43S 162o30-45E R Suess Gl, L. Bonney, Nussbaum Riegel — 1155±120 BP (M-1917) 14C2 SE Skin and tissue from remnants of carcass on side of hill. CRA68

77o40-43S 162o30-45E R Suess Gl, L. Bonney, Nussbaum Riegel — 1845±140 BP (M-1918) 14C2 SK Desiccated Crabeater seal, side away from ground. CRA68

77o40S 162o33E G by Lacroix Gl. snout — 90±2.4 KY (75-26) UTl CA Nodules in silt; (possibly btwn Taylor I and II Glac.). HEN79

77o40S 162o33E G nr Lacroix Gl. — 74±1.6 KY (76-14) UTl CA Lac., on moraine mound; (possibly btwn Taylor I and II Glac.). HEN79

77o40S 162o33E G (nr Lacroix Gl.) — 350±40 KY (76-13) UTl CA Cement in sands, base of Lacroix sec.; (possibly Taylor III Glac.). HEN79

77o40S 162o33E G below Lacroix Gl. — 300±200 KY (76-11) UTl CA Lac., clast, in delta; (possibly Taylor III Glac.). HEN 79

77o40S 162o33E G in front of Lacroix Gl. — 320-40+50 KY (76-10) UTl CA Lac., clast, in moraine; (possibly Taylor III Glac.). HEN79

77o40S 162o33E G nr Lacroix Gl. — 220±10 KY (76-17) UTl CA Lacustrine, lag on terrace; (poss. Taylor II Glac.). HEN79

77o40S 162o33E G S of Lacroix Gl. — 188±35 KY (76-38) UTl CA Lacustrine, lag; (poss. Taylor II Glac.). HEN79

77o44.2S 162o33.6E R W of Solas Gl. — 3.11±0.09 MY (YU-McM-12) KA9 WR Basalt on valley wall; McMurdo Volcanic Group. ARM78

77o42.6S 162o33.9E R in front of Solas Gl. — 2.66±0.06 MY (YU-McM-10') KA9 WR Same basalt flow as YU-McM-10; McMurdo Volcanic Group. ARM78

77o42.5S 162o34.1E R in front of Solas Gl. — 3.00±0.10 MY (YU-McM-10) KA9 WR Basalt flow; McMurdo Volcanic Group. ARM78 (infer=#?, 3.0±0.2 MY in DEN68)

77o44.3S 162o34.1E R W of Solas Gl. — 2.95±0.07 MY (YU-McM-13) KA9 WR Dike on valley wall; McMurdo volcanic Group. ARM78

77o42S 162o35E RM L. Bonney drainage ba. — 17,640±90 BP (QL-1258) 14Cl GB 73 m alt., layer in silt bed in delta; (Glacial Lake Washburn). STU81

77o43S 162o35E M 1 mi. E of L. Bonney — 660±300 BP (W-851) 14C SE Well-preserved carcass, 365 ft. a.s.l.;—. PEW62

77o43S 162o36E G by Solas(=Sollas) Gl — 2.3±0.9 MY ("2") KA9 WR Basalt from scoria pile; btwn advances of Solas Glacier. ARM68 (in progress rept; superceded by dating in ARM78)

77o43.1S 162o38.4E R E of Solas Gl. — 4.64±0.12 MY (YU-McM-7) KA9 WR Core of dike or cinder cone plug; McMurdo Volcanic Group. ARM78

77o43.2S 162o38.6E R E of Solas Gl. — 4.5±0.7 MY (YU-McM-8) KA9 Dike exposed by erosion; McMurdo Volcanic Group. ARM78

77o40S 162o39E G W of "L. Henderson" (=Mummy Pond?) — 92±2.0 KY (76-7) UTl CA-cemented silts from dry basin; (poss. btwn Taylor I and II Glac.). HEN79

77o40S 162o39E G W of "L. Henderson" (=Mummy Pond?) — 90.5±1.4 KY (76-6) UTl CA-cemented silts at margin of basin; (poss. btwn Taylor I and II Glac.). HEN79

77°40'S 162°39'E G SW "L. Henderson" (=Mummy Pond?)	95±4.5 KY(75-22)UTl CA Bedded lacustrine; (poss. btwn Taylor I and II Glac.). HEN79
77°40'S 162°39'E G W of "L. Henderson" (=Mummy Pond?)	95±1.6 KY(74-36)UTl CA Platy lacustrine, lag; (poss. btwn Taylor I and II Glac.). HEN79
77°40'S 162°39'E G SW of "L. Henderson" (=Mummy Pond?)	100±3 KY(75-18)UTl CA Bedded lacustrine; (poss. btwn Taylor I and II Glac.). HEN79
77°40'S 162°39'E G saddle by "L. Henderson" (=Mummy Pond?)	120±6 KY(76-5)UTl CA Lacustrine, encasing dropped boulder; (poss. btwn Taylor I and II Glac.). HEN79 ("Possibly same as 75-18.")
77°40'S 162°39'E G delta into "L. Henderson" (=Mummy Pond?)	70±1.4 KY(76-4)UTl CA Lacustrine, 15 m below surface; (poss. btwn Taylor I and II Glac.). HEN79
77°40'S 162°39'E G delta into "L. Henderson" (=Mummy Pond?)	210±15 KY(76-1)UTl CA Lacustrine, clast; (poss. Taylor II Glac.). HEN79
77°40'S 162°39'E G (nr Lacroix Gl.)	161±2 KY(394)U/T (CA) Lacroix section II. UNI78 (not included in dating summary of HEN79)
77°39'S 162°40'E M btwn Suess Gl. and "L. Henderson"	80±2.8 KY(75-8)UTl CA Upper massive horizon, Suess Strm. Sec.; (poss. btwn Taylor I and II Glac.). HEN79
77°39'S 162°40'E M btwn Suess Gl. and "L. Henderson"	98±1.7 KY(75-11)UTl CA Lac., encasing boulder, Suess Strm Sec.; (poss. btwn Taylor I and II Glac.) HEN79
77°39'S 162°40'E M btwn Suess Gl. and "L. Henderson"	127±5 KY(75-1)UTl CA Nodules in silt, Suess Stream; (poss. btwn Taylor I and II Glac.). HEN79
77°39'S 162°40'E M btwn Suess Gl. and "L. Henderson"	125±2.5 KY(75-2)UTl CA Nodules in silt, Suess stream; (poss. btwn Taylor I and II Glac.). HEN79
77°39'S 162°40'E M btwn Suess Gl. and "L. Henderson"	200±10 KY(75-13)UTl CA Clast in CA silt, Suess Strm; (poss. Taylor II Glac.). HEN79
77°41'30S 162°40E R SW Mt. Nussbaum	1855±160 BP(TAM-15;MTN-1)14Cl BN,SK,FL Mummified crab-eater seal, moraine surface, 793±25 m alt. NOA64 (corr. age=500 BP relative to seal TAM-14)
77°40'S 162°40E R W Nussbaum Riegel	474.6±9 MY(NZKA 16)KA12 BT Country rock; Olympus granite-gneiss. HUL72
77°40'S 162°40E R W Nussbaum Riegel	448.0±6 MY(NZKA 17)KA12 WR Lamprophyre dyke; intrudes Olympus granite-gneiss. HUL72
77°40'S 162°40E R W Nussbaum Riegel	454.0±6 MY(NZKA 18)KA12 WR Lamprophyre dyke; intrudes Olympus granite-gneiss. HUL72
77°39'S 162°40E M (btwn Suess Gl. and Mummy Pond)	185±10 KY(ER75-7)U/T (CA) Suess Stream Section; --. UNI75 (not included in dating summary of HEN79)
77°43'S 162°40E M 4 km E of L. Bonney	2.8±0.2 MY("1")KA9 WR Basalt complex on bedrock bench; overridden by Taylor Glacier advance. ARM68 (in progress rept; superceded by dating in ARM78)
77°43'S 162°40E R (Taylor Valley)	520±30 MY(AS-1)KA13 BT Lamprophyric dike; basement rocks. PEA63

77041S 163040E R Mt. Nussbaum	1250±100 BP(L-462B)14CCl SE Hide, lying on glacial drift, 1630 ft. alt. OLS61 PEW59 (corr. per seal L-570; w/o corr., age=2550±100 BP)
77041.4S 162040.8E R far below Marr Gl.	2.87±0.15 MY(YU-McM-6)KA9 WR Basalt on steep wall; McMurdo Volcanic Group. ARM78
77039S 162042E RM beside Suess Gl.	3110±40 BP(QL-1162)14C1 AL Freshwater, in lac. seds. in moraine; "Alpine II" or "Alpine I." STU78
77041.8S 162042.0E R below Marr Gl.	2.89±0.10 MY(YU-McM-3)KA9 WR Basalt flow; McMurdo Volcanic Group. ARM78
77042.0S 162042.7E R below Marr Gl.	2.93±0.10 MY(YU-McM-1)KA9 WR Basalt flow, caps hill; McMurdo Volcanic Group. ARM78
77040S 162045E R W slope, Mt Nussbaum	425±20 MY(ATZ-1)KA13 BT Monzonite gneiss; basement rocks. ANG62 PEA63
77040S 162045E R Taylor Valley	458±20 MY(ATZ-2)KA13 BT Lamprophyric dyke; basement rocks. ANG62 PEA63
77038S 162050E G S of L. Hoare	400-100+200 KY(ER75-28)U/T CA Biscuit lag;—. UNI75 (not included in dating summary of HEN79)
77038S 162050E G Lake Hoare	92±2.5 KY(250)U/T (CA) Lag;—. UNI78 (not included in dating summary of HEN79)
77038S 162050E G S of L. Hoare	87±2.6 KY(75-29)UTl CA lacustrine, lag; (poss. btwn Taylor I and II Glac.). HEN79
77038S 162051E G S of L. Hoare	214±10 KY(75-27)UTl CA lacustrine, lag; (poss. Taylor II Glac.). HEN79
77038'01.9S 162051'13.0E R DVDP 12	255±40 KY(76-52) UTl CA Clasts, 24.66-70 m down; (poss. Taylor II Glac.). HEN79 (coords. from DVDP Bulletin No, 5)
77038'01.9S 162051'13.0E R DVDP 12	160±13 KY(76-53)UTl CA Clasts, 38.51 m down; (poss. Taylor II Glac.). HEN79 (coords. from DVDP Bulletin No. 5)
77038'01.9S 162051'13.0E R DVDP 12	300-40+50 KY(75-16)UTl CA Lacustrine, 57.99-58.00; (poss. Taylor II Glac.). HEN79 (coords from DVDP Bulletin No. 5)
77038'01.9S 162051'13.0E R DVDP 12	260±40 KY(76-54)UTl Calcareous-cemented Diamicton, 95.44-46 m; (poss. Taylor III Glac.). HEN79 ("postdates deposition"; coords.: DVDP Bull. 5)
77038'01.9S 162051'13.0E R DVDP 12	300±25 KY(76-55)UTl CA lacustrine, clasts, 111.18-111.26 m; (poss. Taylor III Glac.). HEN79 (coords. from DVDP Bulletin No. 5)
77038'01.9S 162051'13.0E R DVDP 12	GT 400 KY(76-61)UTl CA Disturbed lac. CA-silt varves, 142.35-142.40 m; (poss. predates Taylor III Glac.) HEN79 (in radiometric equil.; coords: DVDP Bull. No. 5)
77037S 162059E G Canada Glacier	295-30+40 KY(265)U/T (CA) lag;—. UNI78 (not part of summary rept of HEN79)
77037S 162059E G Canada Glacier	240-45+60 KY(422)U/T CA Clast;—. UNI78 (not part of summary rept of HEN79)
77037S 163000E G N wall, Taylor Valley	120±3 KY(76-9)UTI CA Lacustrine, lag on terrace; (poss. btwn Taylor I and II Glac.). HEN79
77037S 163000E G central Taylor Valley	75±2.6 KY(76-8)UTl CA Lacustrine, draping moraine mound; (poss. btwn Taylor I and II glac.). HEN79
77037S 163000E G edge, Taylor Valley	11.0 MY(K-176)KA6 WR Basalt exposed in granite-gneiss; Cenozoic volcanics. POL76
77037S 163000E G Taylor Valley	82±5 KY(76-2)U/T CA Pedogenic clast;—. UNI78 (not included in dating summary of HEN79)

77o37S 163o00E G Taylor Valley	142±5 KY(76-12)U/T CA Taylor Lake sed.;—. UNI78 (not included in dating summary of HEN79)
77o38S 163o06E RM by Canada Glacier	12,530±260 BP(QL-991)14Cl GB 88 m alt., in lac. sed. on moraine draped on Canada Gl. alpine moraine; (Glacial Lake Washburn). STU81
77o38S 163o06E RM L. Fryxell drain. ba.	12,200±600 BP(QL-1032)14Cl GB 60 m alt., in silt bed in lac. delta; (Glacial Lake Washburn). STU81
77o38S 163o06E RM L. Fryxell drain. ba.	12,100±500 BP(QL-1033)14Cl GB 65 m alt., in silt bed in lac. delta; (Glacial Lake Washburn). STU81
77o38S 163o06E RM L. Fryxell drain. ba.	10,950±70 BP(QL-1250)14Cl GB 67 m alt., in silt bed in lac. delta; (Glacial Lake Washburn). STU81
77o38S 163o06E RM L. Fryxell drain. ba.	10,800±65 BP(QL-1147)14Cl GB 20 m alt., in silt bed in lac. delta; (Glacial Lake Washburn). STU81
77o38S 163o06E RM L. Fryxell drain. ba.	14,600±400 BP(QL-1030)14Cl GB 20 m alt., in silt bed in lac. delta; (Glacial Lake Washburn). STU81
77o40S 163o07E RM L. Fryxell drain. ba.	17,050±60 BP(QL-1253)14Cl GB 224 m alt. in silt bed in lac. delta; (Glacial Lake Washburn). STU81
77o40S 163o07E RM L. Fryxell drain. ba.	16,920±230 BP(QL-992)14Cl GB 224 m alt., in silt bed in lac. delta; (Glacial Lake Washburn). STU81
77o38S 163o07E RM L. Fryxell drain. ba.	16,500±700 BP(QL-1034)14Cl GB 118 m alt., in silt bed in lac. delta; (Glacial Lake Washburn). STU81
77o38S 163o07E RM L. Fryxell drain. ba.	15,100±800 BP(QL-1035)14Cl GB 118 m alt., in silt bed in lac. delta; (Glacial Lake Washburn). STU81
77o38S 163o07E RM L. Fryxell drain. ba.	14,600±700 BP(QL-990)14Cl GB 76 m alt., in silt bed in lac. delta; (Glacial Lake Washburn). STU81
77o38S 163o07E RM L. Fryxell drain. ba.	14,430±170 BP(QL-1148)14Cl GB 76 m alt., in silt bed in lac. delta; (Glacial Lake Washburn). STU81
77o38S 163o07E RM L. Fryxell drain. ba.	13,700±180 BP(QL-1252)14Cl GB 98 m alt., in silt bed in lac. delta; (Glacial Lake Washburn). STU81
77o38S 163o07E RM L. Fryxell drain. ba.	13,500±320 BP(QL-1254)14Cl GB 118 m alt., in silt bed in lac. delta; (Glacial Lake Washburn). STU81
77o38S 163o07E RM L. Fryxell drain. ba.	13,300±800 BP(QL-989)14Cl GB 68 m alt., in silt bed in lac. delta; (Glacial Lake Washburn). STU81
77o38S 163o07E RM L. Fryxell drain. ba.	12,000±700 BP(QL-1031)14Cl GB 36 m alt., in silt bed in lac. delta; (Glacial Lake Washburn). STU81
77o38S 163o07E RM L. Fryxell drain. ba.	11,900±150 BP(QL-1251)14Cl GB 60 m alt., in silt bed in lac. delta; (Glacial Lake Washburn). STU81
77o34S 163o08E AR Mt Falconer area RM	451.4±6.2 MY(GA3505;FP2-4)KAl2 BT Quartz monzonite; Mt Falconer pluton. MCD70
77o34S 163o08E AR Mt Falconer area RM	461.2±8.0 MY(GA3506;FP2-6)KAl2 BT Quartz monzonite; Mt Falconer pluton. MCD70
77o34S 163o08E AR Mt Falconer area RM	459.9±8.0 MY(GA3507;FP2-15)KAl2 BT Quartz monzonite; Mt Falconer pluton. MCD70
77o34S 163o08E AR Mt Falconer area RM	469.1±8.1 MY(GA3508;FS2-1)KAl2 BT Schist; Skelton Group. MCD70
77o34S 163o08E AR Mt Falconer area RM	469.0±8.2 MY(GA3509;FD0-4)KAl2 BT Microdiorite dike; intruding Skelton Group. MCD70
77o34S 163o08E AR Mt Flaconer area RM	463.2±8.2 MY;458.9±8.1 MY (both: GA3509; FD0-4)KAl2 HB Microdiorite dike; intruding Skelton Gp. MCD70
77o34S 163o08E AR Mt Falconer area RM	464.9±8.2 MY(GA3510; FD0-7)KAl2 BT Diorite dike; intruding Skelton Group. MCD70
77o34S 163o08E AR Mt Falconer area RM	482.1±8.5 MY(GA3510;FD0-7)KAl2 BT Diorite dike; intruding Skelton Group. MCD70

77°37S 163°11E G
(L. Fryxell)
77°37S 163°11E RM
L. Fryxell drain. ba.
77°37S 163°11E G
(Lake Fryxell)
77°37S 163°11E G
(Lake Fryxell)
77°38S 163°12E RM
L. Fryxell drain. ba.
77°38S 163°12E RM
L. Fryxell drain. ba.
77°38S 163°12E RM
L. Fryxell drain. ba.
77°38S 163°12E RM
L.Fryxell drain. ba.
77°37S 163°14E RM
L. Fryxell drain. ba.
77°38S 163°15E RM
L. Fryxell drain. ba.
77°35S 163°16E RM
Commonwealth Gl.
77°36S 163°20E RM
L. Fryxell drain. ba.
77°35S 163°21E RM
Commonwealth Gl.
77°35S 163°21E RM
Commonwealth Gl.
77°35S 163°21E RM
Commonwealth Gl.
77°35'24.3S
163°24'40.3E R
DVDP 11
77°35S 163°29E RM
Explorers Cove

77°35S 163°30E G
along Wales Stream
77°35S 163°309E RM
Explorers Cove

77°35S 163°30E R
end of Taylor Valley

77°35S 163°30E M
mouth, Taylor Valley
77°34'43S
163°30'42E R
DVDP 8
77°34'43S
163°30'43E R
DVDP 8 & 9

175±20 KY(76-24)U/T CA Fryxell delta;—. UNI78
(not reliable; not in dating summary of HEN79)
9200±40 BP(QL-1142)14Cl GB 21 m alt., in silt bed in lac. delta; (Glacial Lake Washburn). STU81
188±35 KY(76-18)U/T CA Clast, in Fryxell delta; —. UNI78
LT 57 KY(76-18)U/T CA Clast, in Fryxell delta; —. UNI78
12,450±350 BP(QL-1043)14Cl GB 88 m alt., in silt bed in lac. delta; (Glacial Lake Washburn). STU81
12,300±700 BP(QL-1044)14Cl GB 69 m alt., in silt bed in lac. delta; (Glacial Lake Washburn). STU81
11,500±300 BP(QL-1045)14Cl GB 69 m alt., in silt bed in lac. delta; (Glacial Lake Washburn). STU81
12,350±120 BP(QL-1149)14Cl GB 69 m alt., in silt bed in lac. delta; (Glacial Lake Washburn). STU81
9800±40 BP(QL-1138)14Cl GB 20 m alt., in silt bed in lac. delta; (Glacial Lake Washburn). STU81
13,700±260 BP(QL-1139)14Cl GB 80 m alt., in silt bed in lac. delta; (Glacial Lake Washburn). STU81
15,660±60 BP(QL-1140)14Cl GB In lac. seds with drop-stones; (Ross Sea ice margin). STU81
13,330±80 BP(QL-1141)14Cl GB 41 m alt., in silt bed lac. delta; (Glacial Lake Washburn). STU81
14,730±150 BP(QL-1156)14Cl GB In lac. seds. with drop-stones; (Ross Sea ice margin). STU81
13,700±400 BP(QL-1234)14Cl GB In lac. seds. with drop-stones; (Ross Sea ice margin). STU81
13,300±300 BP(QL-1249)14Cl GB In lac. seds. with drop-stones; (Ross Sea ice margin). STU81
GT 26,800 BP(#?)14C Macrofossil debris, 170.35 m depth; Foraminiferal Zone III. WEB82
(pers. comm., Stuiver; coords. from DVDP Bull. 5)
5240±40 BP(QL-139)14Cl SH 5.0 m alt. valves of Adamussium colbecki in emerged marine deposits; postdate Ross Sea drift sheet. STU76 STU81
8340±120 BP(QL-993)14Cl GB In silt bed in lac. delta; (contemp. with grounded Ross Sea ice). STU77 STU81
5500±70 BP(QL-161)14Cl SH 1.7 m alt., valves of Adamussium colbecki, emerged marine deposits; postdate Ross Sea drift sheet. STU76 STU81
4000±200 BP(L-462G)14CCl SH Marine, mostly pecten, on sand at high-tide mark on beach. OLS61
(w/o corr., age=4700±200 BP; loc. may be incorrect)
4360±110 BP(#?)14C2 SH Adamussium colbecki, 0.8 m. a.s.l.; —. YOS83
GT 400 KY(76-57)UT1 CA-cemented fine silt, 57.25-57.28m; (poss. predates Taylor III Glac.). HEN79
(in radiometric equilibrium; coords: DVDP Bull.5)
6670±200 BP(QL-191)14Cl SH Adamussium colbecki, combined material from DVDP 8 & 9, -21.1 to -22.1 m alt.; postdates Ross Sea drift sheet. STU76 STU81
(quoted as 5800 BP, using est. correction, in ELS81)

77o33S 163o31E RM
Explorers Cove
5400+60 BP(QL-163)14Cl SH Adamussium colbecki, 8.1 m alt., in emerged marine deposits; postdate Ross Sea drift sheet. STU76 STU81

77o33S 163o31E RM
Explorers Cove
5970+70 BP(QL-162)14Cl SH Adamussium colbecki, 5.3 m alt., in emerged marine deposits; postdate Ross Sea drift sheet. STU76 STU81

77o35S 163o31E RM
Explorers Cove
5860+70 BP(QL-158)14Cl SH 4.2 m alt., valves of Adamussium colbecki in emerged marine deposits; postdate Ross Sea drift sheet. STU76 STU81

77o35S 163o31E RM
Explorers Cove
5350+70 BP(QL-159)14Cl SH 1.9 m alt., valves of Adamussium colbecki in emerged marine deposits; postdate Ross Sea drift sheet. STU76 STU81

77o35S 163o31E RM
Explorers Cove
5770+50 BP(QL-160)14Cl SH 0.5 m alt., valves of Adamussium colbecki in emerged marine deposits; postdate Ross Sea drift sheet. STU76 STU81

77o35S 163o32E RM
Explorers Cove
5200+60 BP(QL-153)14Cl SH 1.4 m alt., valves of Adamussium colbecki in emerged marine deposits; postdate Ross Sea drift sheet. STU76 STU81

77o35S 163o32E RM
Explorers Cove
5630+60 BP(QL-154)14Cl SH 3.3 m alt., valves of Adamussium colbecki in emerged marine deposits; postdate Ross Sea drift sheet. STU76 STU81

77o35S 163o32E RM
Explorers Cove
6150+80 BP(QL-157)14Cl SH 4.5 m alt., valves of Adamussium colbecki in emerged marine deposits; postdate Ross Sea drift sheet. STU76 STU81

77o33S 163o32E RM
Explorers Cove
4620+60 BP(QL-165)14Cl SH Adamussium colbecki, 2.9 m alt., in emerged marine deposits; postdate Ross Sea drift sheet. STU76 STU81

77o35S 163o32E RM
Explorers Cove
6050+70 BP(QL-137)14Cl SH Adamussium colbecki, 5.7 m alt., in emerged marine deposits; postdate Ross Sea drift sheet. STU76 STU81

77o35S 163o32E RM
Explorers Cove
5800+70 BP(QL-138)14Cl SH Adamussium colbecki, 7.5 m alt., in emerged marine deposits; postdate Ross Sea drift sheet. STU76 STU81

77o33S 163o33E RM
Explorers Cove
5760+60 BP(QL-164)14Cl SH Adamussium colbecki, 0.5 m alt., in emerged marine deposits; postdate Ross Sea drift sheet. STU76 STU81

77o35S 163o34E RM
Explorers Cove
5310+60 BP(QL-155)14Cl SH 1.0 m alt., valves of Admussium colbecki in emerged marine deposits; postdate Ross Sea drift sheet. STU76 STU81

77o35S 163o34E RM
Explorers Cove
5090+50 BP(QL-156)14Cl SH 2.2 m alt., valves of Admussium colbecki in emerged marine deposits; postdate Ross Sea drift sheet. STU76 STU81

77o25S 163o43E AR
Gneiss Point
520 MY(57-12-3d)KA6 BT Paragneiss; East Antarctica shield. GOL58 (referred to in PEA63 as #GD-1, 500+? MY, from 77o24S 163o40E; appears to be first radiometric age determination on a rock from Antarctica.)

77o27S 163o44E R
nr mouth, South
Stream RM
5930+200 BP(QL-70)14Cl AL Terrestrial, 6.6 m alt., from emerged marine deposits; postdates Ross Sea drift sheet. STU77 STU81

77o27S 163o44E R
nr mouth, South
Stream RM
6010+70 BP(QL-71)14Cl AL Terrestrial, 8.1 m alt., from emerged marine deposits; postdates Ross Sea drift sheet. STU77 STU81

77°27S 163°44E R nr mouth, South Stream RM	5280±400 BP(QL-1041)14C1 AL Terrestrial, 9.3 m alt., from emerged marine deposits; postdates Ross Sea drift sheet. STU77 STU81
77°27S 163°44E R nr mouth, South Stream RM	6430±70 BP(QL-72)14C1 SH Adamussium colbecki, 6.0 m alt., from emerged marine deposits; postdates Ross Sea drift sheet. STU77 STU81
77°27S 163°44E R nr mouth, South Stream RM	6350±60 BP(QL-96)14C1 SH Adamussium colbecki, 4.5 m alt., from emerged marine deposits; postdates Ross Sea drift sheet. STU77 STU81
77°27S 163°44E R nr mouth, South Stream RM	6120±50 BP(QL-1042)14C1 SH Adamussium colbecki, 4.0 m alt., from emerged marine deposits; postdates Sea drift sheet. STU77 STU81
77°26S 163°46E R Marble Point	4450±150 BP(L-594)14CC1 Hide, elephant seal, buried under 1 ft gravel on beach, 44 ft alt. NIC68 OLS61 (corr. per L-570; w/o corr., age=5650±150 BP)
77°26S 163°48E R Marble Point	500±20 MY(ATZ-3)KA13 BT Marble; (Ross System). ANG62 PEA63
77°24S 163°50E R McMurdo Sound area	496±15 MY(P-1)KA13 BT Diorite; Surko Creek diorite. PEA63
77°25S 163°50E R McMurdo Sound area	524±15 MY(P-2)KA13 BT Basic Dyke; Bill Hill 'trap'(=Loke microdiorite?). PEA63

GEOGRAPHIC AREA 7	TRANSANTARCTIC MOUNTAIN AREA, FROM 78°00S TO BYRD GLACIER (samples from north to south by coordinates)
78°01S 163°42E G beside Joyce Gl. RM	3960±30 BP (QL-1157) 14C1 AL Freshwater, from upturned lac. seds. in moraine; "Alpine II" or "Alpine I." STU78
78°01S 163°42E G beside Joyce Gl. RM	3780±200 BP (QL-1158) 14C1 AL Freshwater, from upturned lac. seds. in moraine; "Alpine II" or "Alpine I." STU78
78°01S 163°42E G beside Joyce Gl. RM	5810±160 BP (QL-1159) 14C1 AL Freshwater, from upturned lac. seds. in moraine; "Alpine II" or "Alpine I". STU78
78°02S 164°10E G Garwood Valley RM	6580±50 BP (QL-1221) 14C1 GB In lac. seds. in delta; within limits of Ross Sea drift. STY81
78°02S 164°10E G mouth, Garwood V. RM	6190±80 BP (QL-80) 14C1 GB 24 m alt., mat; surface of ice-cored Ross Sea drift. STU81
78°04S 164°10E G lower Marshall V. RM	1990±40 BP (QL-1038) 14C1 GB 50 m alt., in lac. seds. in delta; within limits of Ross Sea drift. STU81
78°04S 164°10E G lower Marshall V. RM	4500±40 BP (QL-1039) 14C1 GB 60 m alt., mat; surface of ice-cored Ross Sea drift. STU81
78°04S 164°10E G Marshall Valley	210±15 KY (395) U/T (CA) Section I. UNI78
78°04S 164°10E G Marshall Valley	190-20+30 KY (395) U/T CA section I. UNI78
78°04S 164°10E G Marshall Valley	16±0.46 KY (433) U/T CA —. UNI78
78°05.4S 165°23.2E R Rainbow Ridge	2.7±0.09 MY (YU-McM-21001) KA9 WR Hornblende trachyte (Trachyte Hill Form.); McMurdo Volc. Gp. ARM78
78°06S 164°00E G mouth, Miers Val. RM	1300±40 BP (QL-1040) 14C1 GB 133 m alt., mat; surface of ice-cored Ross Sea drift. STU81
78°06S 164°00E G Miers Valley	3.5±0.5 KY (ER28) U/T GY Miers Valley Gypsum. UNI75 (sketchy report)
78°06S 164°00E G Miers Valley	9.0±2.4 KY (ER35) U/T GY Miers Valley Gypsum. UNI75 (sketchy report; "Th. Contamination.")
78°06S 164°00E G Miers Valley	7.5±0.7 KY (ER46) U/T GY Miers Valley Gypsum. UNI75 (sketchy report).
78°06S 164°00E G Miers Valley	15±3 TY (76-32) U/T CA Na_2CO_3, moraine. UNI78
78°06S 164°00E G Miers Valley	115±12 TY (76-33) U/T CA Lag. UNI78
78°06S 164°00E G (Miers Valley)	58±3.3 TY (76-36) U/T CA "Miers till beneath tuff." UNI78 (sketchy report).
78°06°0164°00E G (Miers Valley)	120±4 KY (76-31) U/T GY —. UNI78 (sketchy report)
78°06S 163°51E G Lake Miers	11.9±0.3 KY (76-27) U/T CA Lake Miers High Level. UNI78
78°06S 163°51E G Lake Miers	9.5±0.3 KY (76-28) U/T CA Lake Miers High Level. UNI78
78°06S 163°51E G Lake Miers	10.0±0.3 KY (76-29) U/T CA Lake Miers High Level. UNI78
78°06S 163°51E G Lake Miers	5-15 KY (76-37) U/T GY Lake Miers High Level. UNI78
78°06S 164°00E G (Miers Valley)	185±20 KY (76-35) U/T GY Miers Lake Sed. UNI78 (sketchy report)

78°06S 165°25E G E. Brown Pen. RM	GT 32,900 BP(R1523)14C SH Zygochlamys, in sand with volcanic fragments; Scallop Hill Fm. VEL69
78°07.5S 165°16.5E R Brown Peninsula	2.1±0.4 MY(YU-McM-21068)KA9 WR Hornblende basalt (Melania Basalt Fm.); McMurdo Volcanic Gp. ARM78
78°08.7S 165°28.1E R Brown Peninsula	2.25±0.05 MY(YU-McM-21047)KA9 WR Hornblende trachyte (Aurora Trachyte Fm.); McMurdo Volc. Gp. ARM78
78°08.7S 165°25.0E R Brown Peninsula	2.2±0.09 MY(YU-McM-21094)KA9 WR Basalt (Nubian Basalt Fm.); McMurdo Volcanic Gp. ARM78
78°11.6S 163°26.4E R nr Howchin Gl.	13.8±0.2 MY(YU-McM-73)KA9 WR Lava; McMurdo Volcanic Group. ARM78
78°12S 163°55E RM edge, Koettlitz Gl. tongue	3790±60 BP(QL-81)14C1 GB 65 m alt., mat; surface of ice-cored Ross Sea drift. STU81
78°12S 163°55E RM edge, Koettlitz Gl. tongue	2110±60 BP(QL-82)14C1 GB 43 m alt., mat; surface of ice-cored Ross Sea drift. STU81
78°12S 163°55E RM edge, Koettlitz Gl.	480±40 BP(QL-95)14C1 GB 34 m alt., mat; surface of ice-cored Ross Sea drift. STU81
78°14.5S 163°24.8E R canyon in front of Walcott Glacier	5.7±0.5 MY(YU-McM-43)KA9 WR Upper lava unit; McMurdo Volcanic Group. ARM78 ("definitely anomalously old")
78°14.5S 163°23.9E R canyon in front of Walcott Glacier	0.45±0.07 MY(YU-McM-44)KA9 WR Upper lava unit; McMurdo Volcanic Group. ARM78
78°14.5S 163°22.5E R canyon in front of Walcott Glacier	0.27±0.10 MY(YU-McM-45)KA9 WR Upper lava unit; McMurdo Volcanic Group. ARM78
78°14.5S 163°22.0E R canyon in front of Walcott Glacier	1.45±0.15 MY(YU-McM-46)KA9 WR Lower flow; McMurdo Volcanic Group. ARM78
78°15.7S 163°11.3E R nr mouth, Roaring Val.	0.90±0.09 MY(YU-McM-50a)KA9 WR Lava flow flooding Roaring Val.; McMurdo Volcanic Group. ARM78
78°15.7S 163°11.2E R nr mouth, Roaring V.	0.84±0.07 MY(YU-McM-50b)KA9 WR Lava flow flooding Roaring Val.; McMurdo Volcanic Group. ARM78
78°16.1S 163°7.1E R Roaring Valley	1.12±0.14 MY(YU-McM-47a)KA9 WR Basalt dome; McMurdo Volcanic Group. ARM78
78°16.1S 163°7.1E R Roaring Valley	1.35±0.20 MY(YU-McM-47b)KA9 WR Basalt dome; McMurdo Volcanic Group. ARM78
78°16.1S 163°8.6E R side of Roaring Val.	2.10±0.09 MY(YU-McM-49a)KA9 WR Lava cascade, base covered by Alpine II mor.; McMurdo Volc. Gp. ARM78
78°16.1S 163°8.9E R side of Roaring Valley	1.78±0.19 MY(YU-McM-49b)KA9 WR Lava cascade, base covered by Alpine II mor.; McMurdo Volc. Gp. ARM78
78°16.2S 163°6.7E R Roaring Valley	1.25±0.10 MY(YU-McM-48a)KA9 WR Second basalt dome; McMurdo Volcanic Group. ARM78
78°16.5S 163°18.8E R Dromedary Platform	2.44±0.16 MY(YU-McM-63)KA9 WR Lava; McMurdo Volcanic Group. ARM78
78°16.8S 163°33.2E R N summit, The Bulwark	30±3 MY(#?)KA9 Excess radiogenic argon in harzburgite from eruptive vent, host rock=basalt with 1.66±0.4 MY K/A date. ARM78
78°16.8S 163°33.2E R N summit, The Bulwark	64±9 MY(#?)KA9 From excess 40-Ar, harzburgite from eruptive vent, host rock=basalt with 1.66±0.4 MY K/A date. ARM78

78016.8S 163033.2E R N summit, The Bulwark	96±6 MY(#?)KA9 From excess 40-Ar, titanaugite xenocrysts from eruptive vent, host rock=basalt with 1.66±0.4 MY K/A date. ARM78
78016.8S 163033.2E R N summit, The Bulwark	711±20 MY(#?)KA9 From excess 40-Ar, harzburgite from eruptive vent, host rock=basalt with 1.66±0.4 MY K/A date. ARM78
78016.8S 163033.2E R N summit, The Bulwark	782±18 MY(#?)KA9 From excess 40-Ar, titanaugite xenocryst from eruptive vent, host rock=basalt with 1.66±0.4 MY K/A date. ARM78
78016.8S 163033.2E R N summit, The Bulwark	1.66±0.4 MY(YU-McM-30)KA9 WR Bomb; McMurdo Volcanic Group. ARM78
78017.4S 163027.7E R floor, Pyramid Valley	0.22±.12 MY(YU-McM-31a)KA9 WR Basalt dome, covered with erratics; McMurdo Volcanic Group. ARM78
78017.4S 163027.7E R floor, Pyramid Valley	0.22±0.06 MY(YU-McM-31b)KA9 WR Basalt dome, covered with erratics; McMurdo Volcanic Group. ARM78
78017.8S 163027.8E R floor, Pyramid Valley	0.08±0.13 MY(YU-McM-32)KA9 WR Dome, preglacial; McMurdo Volcanic Group. ARM78
78018S 163027E G Pyramid Trough RM	226,000±1100 BP(QAL-21a) KA17 Lava flow; underlies Ross Sea drift. STU81
78018S 163027E G Pyramid Trough RM	236,000±4000 BP(QAL-22) KA17 Lava flow; underlies Ross Sea drift. STU81
78018S 161021E R Stepaside Spur	150 MY(GA 396)KA9 PL Pegmatitic dolerite, dikelike body; Ferrar dolerite, emplaced in basement rocks. MCD63
78018S 161021E R Stepaside Spur	154 MY(GA 396-R)KA9 PL Pegmatitic dolerite, dikelike body; Ferrar dolerite, emplaced in basement rocks. MCD63
78018.1S 163034.4E R top, The Bulwark	1.65±0.3 MY(YU-McM-40)KA9 WR Flow, appears to overlie a till; McMurdo Volcanic Group. ARM78
78018.2S 163027.1E R bottom. Pyramid Val.	0.71±0.16 MY(YU-McM-33)KA9 WR Lava on cinder cone; McMurdo Volcanic Group. ARM78
78018.3S 163028.4E R off The Bulwark	1.83±0.09 MY(YU-McM-35)KA9 WR Lava tongue flowing into Pyramid Val.; McMurdo Volcanic Gp. ARM78
78018.7S 163030.1E R side, The Bulwark, 9.9	2.88±0.15 MY(YU-McM-36)KA9 WR Massive flow; McMurdo Volcanic Group. ARM78
78019.1S 163019.9E R Dromedary Platform	1.68±0.08 MY(YU-McM-65)KA9 WR Lava; McMurdo Volcanic Group. ARM78
78019.4S 164000.0E R 3 km NE of L. Morning	15.4±0.5 MY(YU-McM-MM 32)KA9 WR Trachyandesite dike; McMurdo Volcanic Group. ARM78
78019.6S 163015.7E R Dromedary Platform	1.21±0.09 MY(YU-McM-66)KA9 WR Lava; McMurdo Volcanic Group. ARM78 (infer= #?, 1.2 MY, flow underlying drift of Ross Sea Glaciation IV, in DEN70)
78020S 159OE M Boomerang Ra. and Portal Mountain	2700-3400 MY RS2* 3 samples of non-marine carbonate rocks; Aztec Formation. FAU73 (=present age of provenance of these rocks based on age of Aztec Fm=150 MY)
78020.4S 163031.2E R nr tongue, Koettlitz Glacier	13.2±0.4 MY(YU-McM-37)KA9 WR Massive flow or megapillow; McMurdo Volcanic Group. ARM78
78022S 165001E G Mount Discovery	4.6 MY(K-15)KA6 WR Trachyte; Cenozoic volcanics. POL76
78022.4S 165000.4E R summit, Mt. Discovery	5.3±0.14 MY(YU-McM-15170)KA9 FD Basalt; McMurdo Volcanic Group. ARM78

78°29.0S 163°32.6E R upper Mt. Morning	1.15±0.02 MY(YU-McM-MM106)KA9 Trachtye; McMurdo Volcanic Group. ARM78
78°31S 163°35E G Mount Morning	2.2 MY(K-8v)KA6 WR Basalt; Cenozoic volcanics. POL76
78°31S 163°35E G Mount Morning	1.2 MY(K-8g)KA6 WR Trachyte; Cenozoic volcanics. POL76
78°31S 163°35E G Mount Morning	1.0 MY(K-8p)KA6 WR Trachyte; Cenozoic volcanics. POL76
78°31S 163°35E G Mount Morning	1.0 MY(K-9)KA6 WR Trachyte; Cenozoic volcanics. POL76
78°31S 163°35E G Mount Morning	2.4 MY(K-10)KA6 WR Basalt; Cenozoic volcanics. POL76
78°31S 163°35E G Mount Morning area	14.6 MY to 18.7 MY(#?)K/A — Unspecified samples in trachyandesitic-type rocks; McMurdo Volc. Gp. KYL83 (prob. = "7 analyses" mentioned on map of KYL81)
78°37S 159°25E AR Mt. Escalade	158 MY(GA 393)KA9 PL Dolerite, lower sheet; Ferrar dolerite, intrusive into Beacon Gp. MCD63
78°37S 159°25E AR Mt. Escalade	153 MY(GA 393)KA9 PY Dolerite, lower sheet; Ferrar dolerite, intrusive into Beacon Gp. MCD63
79°11S 11S 155°51E R Butcher Ridge	174.4±3.4 MY, 175.2 MY(79016)AAP1,AAF1 WR Basaltic andesite; Ferrar Supergroup. KYL81B (mean inferred age=175.0±2.7 MY with #79028)
79°12S 155°50E R Butcher Ridge	153 MY(79028)AAF1 WR Intrusive pitchstone; Ferrar Supergroup. KYL81B (no plateau; mean inferred age=175.0±2.7 MY with #79016)
79°45S 159°30E RM coastal moraine, Brown Hills	486±36 MY(G-78-9*)RS5I2/0.7141+0.0005 FD 4 size frac- tions; Pleistocene till. FAU81 (*isochron is based on this sample and G-78-31, along Mt. Tuatura, 80°34S 158°20E, Geog. Area 8)
79°46S 158°33E AR Brown Hills	568.2±9.0 MY RS7I3/0.71222±.00015 WR Carlyon Granodiorite. FEL80
80°S 156°E RM margin, Hatherton Gl.	GT 500 MY RSR2/0.7132 FD 4 size fractions (G-78-3) from till; possible Cenozoic. FAU81 (samples scatter above ref. line; provenance age of finest fraction=2034 MY assuming IR=0.7040)

GEOGRAPHIC AREA 8:	TRANSANTARCTIC MOUNTAIN AREA, FROM BYRD GLACIER TO NIMROD GLACIER (samples from north to south by coordinates)
80°34S 158°20E G along Mt. Tuatura RM	486±36 MY(G-78-31*)RS5I2/0.7141±0.0005 FD Till from lateral moraine of Byrd Gl.; Holocene till. FAU81 (*isochron based on this sample and G-78-9 from Brown Hills, 79°45S 159°30E, Geog. Area 7)
80°34S 158°20E G N slope, Mt Tuatura RM	1100±69 MY(G-78-26,G-78-30)RS6I2/0.7050±0.0021 FD Size fractions, till; possibly Cenozoic. FAU81 (provenance date)
80°51S 159°32E R (near Mt. Dick RM)	463±3 MY(6291TR;27536)KA9 WR Siltstone; Dick Formation. Byrd Group. ADA82
81°30S 162°32E R (nr Starshot Gl. RM)	437±3 MY(6303TR;27099)KA9 WR Argillite interbedded with sandstone and conglomerate; Starshot Fm.ADA82
81°37S 161°40E R (Nash Range RM)	449±3 MY(6297mu;27065)KA9 MC Pegmatite; intruding Goldie Formation. ADA82
81°42S 162°24E R (Nash Range RM)	447±3 MY(6301bi;27037)KA9 BT Adamellite; intruding Goldie Formation. ADA82
81°53S 159°40E R (by Starshot Gl. RM)	384±3 MY(6209TR;J4)KA9 WR Slate, sandstone; Starshot Formation, Byrd Group. ADA82
82°13S 160°24E R (Holyoake Range RM)	475±3 MY(6304TR;27121)KA9 WR Siltstone interbedded with Cambrian limestone; Shackleton Limestone. ADA82
82°23S 159°43E R (Cobham Range RM)	465±3 MY(6208TR;31600)KA9 WR Slate, greenschist facies; Goldie Formation, Beardmore Group. ADA82
82°38S 155°15E R Quest Cliffs	618±6 MY(GA1951)KA9 HB Schist; Miller Formation. GRI69A
82°39S 155°01E R Quest Nunatak	655 MY(#?)K/A HB Metamorphics; Miller Formation. GRI69 (pers. comm. McDougall; may be previous date for #GA1951 listed above)

GEOGRAPHIC AREA 9:	TRANSANTARCTIC MOUNTAIN AREA, NIMROD GLACIER TO BEARDMORE GLACIER (samples from north to south by coordinates)
82°53S 157°24E R Miller Range	481±3 MY(3671hb;26827A)KA9 HB Quartz-diorite; Hope Granite, at granite contact with skarn marbles. ADA82
82°53S 157°24E R Miller Range	476±3 MY(3671bi;26827A)KA9 BT Quartz-diorite; Hope Granite, at granite contact with skarn marbles. ADA82
82°53S 157°24E R Miller Range	470±3 MY;477±4 MY(both are #3663bi;26826)KA9 BT Granodiorite; Hope Granite, sill at contact of northern pluton with marbles. ADA82 (mean age=474 MY)
82°57S 157°30E R Rust Bluffs	463 MY(GA 766;NZGS p 26819)KA9 BT Granite; Hope Granite. MCD65 GUN82 GRI69
83°01S 160°00E R (Queen Elizabeth Range Rm)	474±3 MY(6295bi;31554)KA9 BT Tonalite; intruding Shackleton Limestone, Byrd Gp. ADA82
83°01S 157°15E R Miller Range	486±4 MY(3664mu;26831D)KA9 MC Schist close to granite; Hope Granite. ADA82
83°02S 159°30E R (Queen Elizabeth Range Rm)	495±4 MY(6186TR;N4)KA9 WR Slate, greenschist facies, interbedded with limestone and quartzite; Shackleton Limestone, Byrd Group. ADA82
83°02S 157°43E R E of Snowshoe Pass	478 MY(GA 767;NZGS p 26835)KA9 MC Pegmatite; assoc. with Hope Granite. MCD65 GRI69
83°03S 156°27E R Miller Range	479±4 MY(3669hb;26807A)KA9 HB Hornfels, contact with northern granite pluton; Hope Granite. ADA82
83°03S 156°27E R Miller Range	474±3 MY(3669bi;26807A)KA9 BT Hornfels, contact with northern granite pluton; Hope Granite. ADA82
83°04-83°52S 164°30-172°40E R Beardmore Gl. region	538±28 MY RS6I2/0.713±0.002 WR Composites, mostly arenites and argillites; Goldie Fm. GUN76 (from 4 locations, coordinates in GUN76)
83°05S 157°53E R Miller Range	494±4 MY;495±4 MY(both are #3665bi;26842A)KA9 BT Granite; Hope Granite, northern pluton close to contact. ADA82 (mean age=495 MY)
83°06S 156°47E R Aurora Heights	476 MY(GA 762;NZGS p 26779)KA9 BT Lamprophyre dike; intrusive into Nimrod Group. MCD65 GRI69
83°07S 157°15E R Miller Range	499±4 MY(3670hb;26813A)KA9 HB Schist in pelite and marble sequence; Worsley Fm, Nimrod Gp. ADA82
83°07S 157°20E R Miller Range	475±3 MY(6310bi;26817)KA9 BT Schist; Worsley formation, Nimrod Group. ADA82
83°07S 156°22E R Argosy Glacier	487 MY,491 MY(GA763;NZGS p 26804)KA9 MC Schist; Argosy Formation. MCD65 GRI69 (one date of 489 MY listed in GRI69)
83°07S 156°45E R Miller Range	952±7 MY(3667hb;26776A)KA9 HB Schist in pelitic sequence; Argosy Formation, Nimrod Gp. ADA82
83°08S 156°56E R Aurora Heights	456 MY(GA 764;NZGS p 26810)KA9 BT Schist; Argosy Formation. MCD65 GRI69
83°08S 156°56E R Aurora Heights	486 MY(GA 765;NZGS p 26811)KA9 MC Schist; Argosy Formation. MCD65 GRI69
83°08S 156°19E R N side, Argosy Gl.	528±5 MY(GA1953;NZGS P26805)KA9 BT Amphibolite; Argosy Formation. GRI69A (coords.=83°11S 155°54E in GRI69)

83°08S 156°19E R N side, Argosy Gl.	1011±19(GA1953;NZGS P26805)KA9 HB Amphibolite; Argosy Formation. GRI69A (coords.=83°11S 155°54E in GRI69)
83°08S 156°53E R W. Aurora Heights	1043±16 MY(GA1952;NZGS P26808)KA9 HB Amphibolite; Argosy Formation. GRI69A (coords.=83°08S 156°49E in GRI69)
83°08S 156°00E R Miller Range	696±5 MY,700±5 MY(3668hb;26800)KA9 HB Schist band (1 m); Argosy Formation, Nimrod Group. ADA82 (mean age=698 MY)
83°08S 156°00E R Miller Range	525±4 MY(3662hb;26801B)KA9 HB Gneiss; pegmatitic veins in paragneiss sequence; Aurora Formation. ADA82
83°08S 156°00E R Miller Range	503±4 MY;504±4 MY;498±4 MY(all are #3662bi;26801B) KA9 BT Gneiss; pegmatitic veins in paragneiss sequence; Aurora Formation. ADA82 (mean age=502 MY)
83°09S 156°56E R Miller Range	485±3 MY(6309mu;26809)KA9 MC Pelitic schist; Argosy Formation, Nimrod Group. ADA82
83°10S 156°00E RM W Miller Range	456±14 MY(522)RS4I2/0.7511±0.0007 WM Augengneiss; Nimrod Group. GUN72 (w/o BT point, isochron age=561±23 MY and IR= 0.7478+0.0003)
83°10S 156°00E RM W Miller Range	1984±77 MY RS2/c.0.711 WR Selected high-grade metasedimentary rocks of Nimrod Group. GUN72 (pooled slope of upper isochron=2027±38 MY, RS3I2/ 0.7276±0.0021 and lower isochron=1828±141 MY, RS3I2/0.7059±0.0042; considered best estimate of age; isochron for all selected samples=1950±153 MY, RS8I2/0.7111+0.0058)
83°10-35S 156°00- 158°00E RM S Miller Range	602±38 MY RS6I2/0.7099±0.0033 WR Selected high-grade metasedimentary rocks of Nimrod Group. GUN72 (tentative interpretation: time of isotopic re-equilibration)
83°10S 156°00E RM W Miller Range	3720 MY(530)RSM2/0.704 WR Granite-gneiss; Nimrod Group. GUN72 (maximum estimate of age of Nimrod Group)
83°10S 156°00E RM nr head, Argosy Gl.	1180 MY,1300 MY,1550 MY(522)UP6 ZR Augen gneiss; Nimrod Group Paragneisses. GUN82 GUN76
83°10S 156°00E RM nr head, Argosy Gl.	1640 MY,2230 MY,2800 MY(554)UP6 ZR Gneissic metaquartzite; Nimrod Group Paragneisses. GUN82 GUN76
83°10S 155°54E R Miller Range	840±6 MY(3666hb;26788)KA9 HB Amphibolite facies schist; metavolcanic horizon in migmatites, Aurora Formation, Nimrod Group. ADA82
83°10S 155°54E R Miller Range	758±5 MY;751±5 MY(both are #3666hb';26788)KA9 HB Amphibolite facies schist; metavolcanic horizon in migmatites, Aurora Formation. ADA82 (mean age=755 MY)
83°11S 155°52E R Miller Range	1152±8 MY;1154±8 MY(both are #3676hb;26790)KA9 HB Skarn pegmatite; reaction zone at marble in migmatites, Aurora Formation. ADA82 (mean age=1153 MY)
83°12S 155°52E R Miller Range	563±4 MY(3678hb;26797)KA9 HB Schist, metadolomite or marble in pelitic schist; Miller Fm. ADA82

83°12S 155°52E R Miller Range	899±6 MY;877±6 MY(both are 3677hb;26794)KA9 HB Skarn pegmatite; intruding marble, Miller Fm. ADA82 (mean age=888 MY)
83°12S 155°52E R Miller Range	551±4 MY(6308hb;26795)KA9 HB Schist, 30 m above Endurance Thrust; Miller Formation. ADA82
83°12S 155°52E R Miller Range	559±4 MY(6308bi;26795)KA9 BT Schist, 30 m above Endurance Thrust; Miller Formation. ADA82
83°14S 156°32E R Miller Range	483±4 MY(3661bi;26774)KA9 BT Gneiss; Aurora Formation, Nimrod Group. ADA82
83°15S 157°00E G E. Miller Range RM	476 MY,477 MY,484±40 MY(48)UP6 SP Granitic rock; Granite Harbor Intrusives. GUN75
83°15S 157°00E G E. Miller Range RM	469 MY,481 MY,537±5 MY(48)UP6 ZR -200 mesh, 468 MY,480 MY,537±5 MY(48)UP6 ZR +200 mesh, granitic rock; Granite Harbour Intrusives. GUN75
83°15S 157°00E G Miller Range RM	1615±221 MY RS19I2/0.706±0.031 WR High-grade metasedimentary rocks of Nimrod Group. GUN72 (points scatter widely; geologically more meaningful dates are the 3720 MY maximum for one sample from W Miller Range, the 602±38 MY minimum from S Miller Range, and the 1984±77 MY date for selected samples from W Miller Range, all in GUN72)
83°15S 157°00E G S Miller Range	488±34 MY RS7I2/0.734±0.002 WR Granitic rocks; Granite Harbour Intrusives. GUN75
83°18S 164°23E R Robb Glacier	147 MY(GA 395)KA9 PL Dolerite; Ferrar Dolerite. MCD63 GRI69 (loc.=western slopes, Mt. Miller in MCD63)
83°18S 164°23E R Robb Glacier	155 MY(GA 395)KA9 PY Dolerite; Ferrar Dolerite. MCD63 GRI69 (loc.=western slopes, Mt. Miller in MCD63)
83°18S 156°28E R Miller Range	489±4 MY(3674bi;26769)KA9 BT Diorite; xenolith in Hope Granite, Martins Dome Pluton. ADA82
83°18S 156°28E R Miller Range	485±4 MY(3675bi;26771)KA9 BT Granite; Hope Granite, Martins Dome pluton. ADA82
83°20S 161°43E R Lowery Glacier	153 MY(GA394)KA9 PL Dolerite, coneter of sheet; Ferrar Dolerite. MCD63 GRI69 (new loc. and coord. from GRI69)
83°25S 156°40E R Miller Range	576±4 MY(3672hb;26844)KA9 HB Quartz-diorite gneiss; pretectonic intrusive rock, Argo Gneiss. ADA82
83°25S 156°40E R Miller Range	520±4 MY;518±4 MY(both are #3672bi;26844)KA9 BT Quartz-diorite gneiss; pretectonic intrusive rock, Argo Gneiss, Aurora Formation. ADA82 (mean age=519 MY)
83°30S 171°E RM by Beardmore Gl.	445 MY,452 MY,492±5 MY(577)UP6 ZR Nonmagnetic, 483 MY,484 MY,490±10 MY(577)UP6 ZR Magnetic, granitic rock; Granite Harbour Intrusives. GUN75 (slightly discordant; lie on chord through origin)
82°-85°S 155°-175°E M Cen. Trans. Mts. (Nimrod, Beardmore Gl.)	600-700 MY R/S Beardmore Granites; intrude Goldie Fm. TES82 (unreferenced in review article)
83°33S 157°18E R Miller Range	496±4 MY(6312hb;26861)KA9 HB Schist, 200 m above Endurance Thrust; Miller Formation. ADA82
83°33S 157°18E R Miller Range	497±4 MY(6312bi;26861)KA9 BT Schist, 200 m above Endurance Thrust; Miller Formation. ADA82
83°34S 157°17E R Miller Range	543±4 MY(6311HB;26859)KA9 HB Schist in marble sequence; Miller Formation. ADA82

83°34S 157°13E R Miller Range	504±5 MY(GA1955)KA9 HB Amphibolite; Nimrod Group. GRI69A (infer=#?, from Gerard Cliffs, 83°34S 157°15E, Miller Formation, in GRI69)
83°35S 157°13E R Miller Range	517±4 MY(6298bi;26854A)KA9 BT Adamellite; granitic apophyse intruding Aurora gneiss. ADA82
83°35S 157°10E R Gerard Cliffs	633 MY(GA 770;NZGS p 26855)KA9 BT Orthogneiss; Aurora Formation, Nimrod Group. MCD65 GRI69 (age in MCD65= (1)631 MY, (2)635 MY)
83°36S 157°15E R Miller Range	521±4 MY(3673hb;26856)KA9 HB Augen-gneiss; Aurora Formation, Nimrod Group. ADA82
83°36S 157°15E R Miller Range	517±4 MY;513±4 MY(both are #3673 bi;26856)KA9 BT Augen-gneiss; Aurora Formation. ADA82 (mean age=515 MY)
83°36S 157°12E R Miller Range	485±3 MY(6299hb;26855)KA9 HB Schist; Aurora Formation, Nimrod Group. ADA82
83°37S 157°16E R Gerard Cliffs	471 MY(GA 769;NZGS p 26851)KA9 BT Gneiss; Aurora formation, Nimrod Group. MCD65 GRI69
83°37S 157°16E R Gerard Cliffs	483 MY(GA 769;NZGS p 26851)KA9 MC Gneiss; Aurora Formation, Nimrod Group. MCD65 GRI69
83°00S-84°15S 167°00E-174°00E RM Beardmore Gl. area	463±12 MY RS11I2/0.710±0.002 WR Granitic rocks; Granite Harbour Intrusives. GUN75 (ages of Hope and Ida Granite indistinguishable, GUN71)
83°38S 156°17E R Miller Range	1006±9 MY(GA1954)KA9 HB Amphibolite lens in garnet gneiss; Nimrod Group. GRI69A (infer=?, from Gerard Cliffs, 83°37S 157°16E, Aurora Formation, in GRI69)
83°38S 157°09E R Miller Range	528±4 MY(3660hb;21763)KA9 HB Schist; metavolcanic band in pelitic schists & marbles, Miller Fm. ADA82
83°38S 157°09E R Miller Range	530±4 MY;529±4 MY(both are #3660bi;21763)KA9 BT Schist; metavolcanic band in pelitic schists and marbles, Miller Formation. ADA82 (mean age=530 MY)
83°38S 157°09E R Miller Range	570±4 MY;571±4 MY(both are #3679hb;26850)KA9 HB Schist; metavolcanic band in pelitic schists and marbles, Miller Formation. ADA82 (mean age=571 MY)
83°39S 157°08E R Gerard Cliffs	520 MY(GA 768;NZGS p 26846)KA9 BT Orthogneiss; Aurora Formation, Nimrod Group. MCD65 GRI69
83°50S 167°00E R (Queen Alexandra Ra.)	477±3 MY(3996TR;26865)KA9 WR Slate, greenschist facies; Goldie Formation. ADA82
83°51S 166°00E g Tillite Glacier	167±9 MY(14.1)KA13 WR Diabase sill; Ferrar Dolerite. ELL70
84°17S 169°25E G The Cloudmaker	479 MY(741)K/A BT Hope Granite. GUN76
84°22S 164°55E R Mount Falla	173±6 MY RS6I2/0.7128±0.0001 Basalt flows 1 through 6; Kirkpatrick Basalt. FAU82
84°22S 164°55E G Mount Falla	197.7±2.7 MY(F218A-19)KA12 WR Trachyte pebble; Prebble Formation. BAR72
84°22S 164°55E G NW Mount Falla	190±9 MY RS5I2/0.7128±0.0096 WR Tuff; Triassic Falla Formation. FAU73A (rev. age for 203±12 MY cited in BAR72)
84°22S 164°55E G Mount Falla	169.3±2.0 MY(71.62)KA12 WR Tholeiite, flow 14; Kirkpatrick Basalt. FLE77

84°22S 164°55E G Mount Falla	132.7±3.0 MY(71.42)KAl2 WR Tholeiite, flow 11; Kirkpatrick Basalt. FLE77
84°22S 164°55E G Mount Falla	165.9±2.0 MY(71.15)KAl2 WR Tholeiite, flow 5; Kirkpatrick Basalt. FLE77
84°22S 164°55E G Mount Falla	130.9±1.5 MY(71.03)KAl2 WR Tholeiite, flow 1; Kirkpatrick Basalt. FLE77
84°34S 163°56E G Peterson Ridge	135.6±10.9 MY(27.71)KAl2 WR Tholeiites, flow 11; Kirkpatrick Basalt. FLE77 (wt-avg. age of 126.0±1.8 MY and 141.4±1.4 MY)
84°34S 163°56E G Peterson Ridge	176.0±3.9 MY(27.67)KAl2 WR Tholeiites, flow 9; Kirkpatrick Basalt. FLE77 (wt-avg. age of 179.8±1.2;172.1±1.4;174.7±1.5 MY)
84°34S 163°56E G Peterson Ridge	152.1±18.3 MY(27.17)KAl2 WR Tholeiites, flow 6; Kirkpatrick Basalt. FLE77 (wg-avg. age of 160.5±4.8 MY and 134.6±6.9 MY)
84°34S 163°56E G Peterson Ridge	141.7±2.3 MY(27.56)KAl2 WR Tholeiites, flow 5; Kirkpatrick Basalt. FLE77 (wt-avg. age of 139.8±1.4 MY and 143.1±1.2 MY)
84°34S 163°56E G Peterson Ridge	174.4±4.6 MY(27.52)KAl2 WR Tholeiites, flow 3; Kirkpatrick Basalt. FLE77 (wt-avg. age of 179.4±1.8 MY and 172.9±1.3 MY)
84°34S 163°56E G Peterson Ridge	133.5±9.3 MY(27.46)KAl2 WR Tholeiites, flow 2; Kirkpatrick Basalt. FLE77 (wt-avg. age of 139.5±4.0 MY and 126.3±4.4 MY)
84°34S 163°56E G Peterson Ridge	144.9±1.4 MY(27.90)KAl2 WR Tholeitte, flow 1; Kirkpatrick Basalt. FLE77
84°35S 164°00E G Storm Peak	179±7 MY(27.42)KAl3 WR Basalt; Kirkpatrick Basalt. ELL70
84°35S 164°00E G Storm Peak	170±7 MY(27.13)KAl3 WR Basalt; Kirkpatrick Basalt. ELL70
84°35S 164°00E G Storm Peak	163±10 MY(27.45)KAl3 WR Basalt; Kirkpatrick Basalt. ELL70
84°35S 164°00E G Storm Peak	156.8 MY;161.8±8.6 MY(27.17)AAF3,AAI3 WR Tholeiite, flow 6; Kirkpatrick Basalt. FLE77 (age spectrum discordant; ages given in FLE77; AAI age of questionable significance)
84°35S 164°00E G Storm Peak	129.8±4.8 MY;126.1±3.8 MY(27.46)AAP3,AAI3 WR Tholeiite, flow 2; Kirkpatrick Basalt. FLE77 (age spectrum and other calc. ages in FLE77)

GEOGRAPHIC AREA 10:	QUEEN MAUD MOUNTAIN AREA (samples from west to east by coordinates)
85°28S 171°59E G Mt. Spohn	172±8 MY(50.4)KA13 WR Basalt; Kirkpatrick Basalt. ELL70
85°27S 172°00E G Otway Massif RM	179±10 MY(0003)KA12 WR Basalt boulder, boulder lens in lahar debris; Prebble Formation. BAR72
82°57S 172°30E R Celebration Pass	465 MY(GA 519)KA9 BT Granodiorite; Hope Granite. MCD65 MCG69 GUN82
83°57S 172°30E R Celebration Pass	450 MY(GA 520)KA9 BT Granodiorite; Hope Granite. MCD65 MCG69 GUN82
85°39S 174°E R Mt. Bumstead	161 MY(#?)K/A WR Basalt; --. MCG69 (infer strat.= Kirkpatrick Basalts from ref. map)
85°39S 174°10E G Mt. Bumstead	173.1±1.9 MY(64.10)KA12 WR Tholeiite, flow 14; Kirkpatrick Basalt. FLE77
85°39S 174°10E G Mt. Bumstead	159.1±1.8 MY(64.07)KA12 WR Tholeiite, flow 13; Kirkpatrick Basalt. FLE77
85°39S 174°10E G Mt. Bumstead	165.7±1.9 MY(64.04)KA12 WR Tholeiite, flow 3; Kirkpatrick Basalt. FLE77
85°39S 174°10E G Mt. Bumstead	167.0±2.2 MY(64.02)KA12 WR Tholeiite, flow 2; Kirkpatrick Basalt. FLE77
85°39S 174°10E G Mt. Bumstead	168.2±27.5 MY(64.01)KA12 WR Tholeiites, flow 1; Kirkpatrick Basalt. FLE77 (wt-avg. age of 188.6±2.2 MY and 149.7±2.1 MY)
85°39S 174°10E G Mt. Bumstead	169.8 MY;170.4±1.4 MY;169.4±1.1 MY(64.01)AAF3;AAP3; AAI3 WR Tholeiite, flow 1; Kirkpatrick Basalt. FLE77 (age spectrum discordant; AAP3 age is wt-mean; spectrum ages listed in FLE77)
85°39S 174°10E G Mt. Bumstead	175.4 MY;167.5±3.8 MY(64.10)AAF3;AAI3 WR Tholeiite, flow 14; Kirkpatrick Basalt. FLE77 (age spectrum discordant; ages listed in FLE77)
85°52S 174°15E G Mt. Cecily	171±7 MY(59.32)KA13 WR Basalt; Kirkpatrick Basalt. ELL70
84°14S 177°50E Chopper Ridge	418 MY(#?)K/A BT Granodiorite;--. MCG69 (infer strat.=Granite Harbour Intrusives from RM)
83°-87°S 155°E-153°W RM Beardmore to Scott Glaciers	1600-2300 MY RS2* WR CA Non-marine; Victoria Group, Beacon Supergroup. FAU73 (*age of provenance based on Sr-87/Sr-86 of 12 samples=0.7160, assumed IR of provenance=0.7030, and age of the Permian Fms. sampled=250 MY)
84°58S 177°40W R Cascade Bluff	430 MY(#?)R/S FD Monzotonalite;--. MCG69 (infer strat.=Granite Harbour Intrusives from RM)
85°39S 177°W R Roberts Massif	183 MY(#?)K/A PY Diabase;--. MCG69 (infer strat. prob.=Ferrar Dolerites from ref. map)
85°39S 177°W R Roberts Massif	171 MY(#?)K/A PY Diabase;--. MCG69 (infer strat. prob.=Ferrar Dolerites from ref. map)
83°39S 177°W R Roberts Massif	163 MY(#?)K/A PY Diabase;--. MCG69 (infer strat. prob.=Ferrar Dolerites from ref. map)
85°39S 177°W R Roberts Massif	160 MY(#?)K/A PY Diabase;--. MCG69 (infer strat.=Granite Harbour Intrusives from RM)
84°57S 176°55W R Thanksgiving Point	315 MY(#?)R/S BT Leucogranodiorite;--. MCG69 (infer strat.=Granite Harbour Intrusives from RM)
84°57S 176°55W R Thanksgiving Point	250 MY(#?)R/S BT Leucogranodiorite;--. MCG59 (infer strat.=Granite Harbour Intrusives from RM)

84°57S 176°55W R Thanksgiving Point	166 MY(#?)K/A BT Leucogranodiorite;--. MCG69 (infer strat.=Granite Harbour Intrusives from RM)
84°30S 176°30W R Mt. Speed	405 MY(#?)K/A BT Granite gneiss;--. MCG69 (infer strat.=Granite Harbour Intrusives from RM)
84°39S 175°55W R Longhorn Spurs	470 MY(#?)R/S BT Adamellite gneiss;--. MCG69 (infer strat.=Granite Harbour Intrusives from RM)
85°14S 175°10W R Halfmoon Bluff	165.9±6.3 MY(HBl)AAPl WR Dolerite; Ferrar Supergroup. KYL81B
85°00S 175.°00W G Transantarctic Mts.: N. Victoria Land to Dufek Massif	470±90 MY RS25I/0.7064±0.0010* WR Flows and sills of Jurassic dolerites. BRO76 FAU82 (*pseudoisochron age of mantle rocks)
84°34S 174°30W R Longhorn Spurs	405 MY(#?)K/A BT Adamellite;--. MCG69 (infer strat.=Granite Harbour Intrusives from RM)
85°17S 163°20W R NW of mouth,Axel Heiberg Gl. RM	445±13 MY(GA 771;NZGS p 26950)KA9 MC Pegmatite dike; cuts Henson Marble. MCD65 MIR69
86°22S 160°01W R Lonely Ridge	846±35 MY(#?)R/S BT Granodiorite; Lonely Ridge granodiorite. MIR69 (cited from McLelland, 1967,unpubl.)
86°22S 160°01W R Lonely Ridge	472±10 MY(#?)K/A BT Granodiorite; Lonely Ridge granodiorite. MIR69 (cited from McLelland, 1967,unpubl.)
86°00S 160°00W R Queen Maud Mt. Area	630-720 MY R/S Silicic ignimbrites and quartz porphyries; unconformably overlain by Cambrian strata. TES82 (dates are part of a review)
86°00S 160°00W M Upper Amundsen Gl.	600±13 MY RSI Wisconsin Range batholith. GRI81 (date is part of a review; higher IR)
86°20S 158°00W G Nilsen Plateau	708±41 MY RSI2/0.7122 WR Metasediments; LaGorce Formation. FAU79A
86°20S 158°00W G Nilsen Plateau	476±9 MY RSI2/0.7157 WR Metavolcanic rocks; Wyatt Formation. FAU79A
86°20S 158°00W G Nilsen Plateau	620±13 MY RS4I2/0.7115 WR Lonely Ridge Granodiorite. FAU79A (several cataclastically deformed samples had dates of 553-401 MY)
86°20S 158°00W G Nilsen Plateau	471±20 MY RSI2/0.7189 WR South Quartz Monzonite. FAU79A
85°27S 157°15W R 1 mi SE, O'Brien Pk.	460±20 MY(L62-18)RSM4/0.707 MC Granite; --. CRA64A MIR69
85°27S 157°15W R 1 mi SE, O'Brien Pk.	450±20 MY(L62-18)RSM4/0.707 BT Granite; --. CRA64A MIR69
85°27S 157°15W R 1 mi SE, O'Brien Pk.	520±30 MY(L62-18)RSM4/0.707 MN Granite; --. CRA64A MIR69
85°27S 157°15W R 1 mi SE, O'Brien Pk.	490±20 MY(L62-18)RSM4/0.707 WR Granite; --. CRA64A MIR69
87°04S 153°46W G Mount Early	15.45±0.19 MY;16.27±0.23 MY(34)KA17 WR Basalt flow; --. STU80 (duplicate analyses; avg=15.86±0.30 MY)
86°53S 153°30W G* Sheridan Bluff	18.54±0.37 MY(30)KA17 WR Basalt, lava flow 10; --. STU80 (*coords. from Antarct. Jl. U.S. 17(4),1982,p.11; avg. age with #27 and #24=18.32±0.35 MY)

86°53S 153°30W G* Sheridan Bluff	17.98±0.24 MY(27)KA17 WR Basalt, lava flow 7; --. STU80 (*see comments for #30 above)
86°53S 153°30W G* Sheridan Bluff	18.43±0.23 MY(24)KA17 WR Basalt, lava flow 4; --. STU80 (*see comments for #30 above)
86°53S 153°30W G* Sheridan Bluff	19.21±0.39 MY(22)KA17 WR Basalt, lava flow 2; --. STU80 (*coords. from Antarct. J1.U.S.17(4),1982,p.11)
86°53S 153°30W G* Sheridan Bluff	19.43±0.65 MY(27)AAP2 WR Basalt, lava flow 7; --.STU80 (*coords. from Antarct. J1.U.S.17(4),1982,p.11; age is wt-avg;age spectrum was concordant)
86°53S 153°30W G* Sheridan Bluff	19.75±1.57 MY(22)AAP2 WR Basalt, lava flow 2; --. STU80 (*coords. from Antarct. J1.U.S.17(4),1982,p.11; age is wt-avg;age spectrum was concordant)
85°45S 153°00W G Scott Gl. Area	27.3±2.7 MY(#?)-- Volcanic rocks assoc. with glacial deposits. BUL73 (Minshew and Mercer, pers. comm.)
85°45S 153°00W G Scott Gl. Area	LT 788 MY RSR2 WR Metavolcanic rocks; Wyatt Formation. FAU79A (points scatter;age is upper limit based on 2 samp.)
86°58S 152°37W G Mt. Wilbur	470±14 MY(#?)KA13 BT Brown, from grey granite; basement complex. MIN65
85°29.3S 145°36W R Byrd Mts, nr. Leverett Glacier	489±30 MY RS4I2 WR Acid volcanic rocks; basement complex. FAU68A (see comment for 472±11 MY, 144°45W, FAU66)
85°39S 144°45W R Harold Byrd Mts.	472±11 MY(#?)RSI2/0.7161 WR Rhyolites; basement complex. FAU66 MIR69 (may be based on same samples as these listings: 483±13 MY, 144°24W, FAU68; 489±30 MY, 145°36W, FAU68A; and/or 493±9 MY, 144°24W, FAU79)
85°40S 144°24W G Mt. Webster, Byrd Mts.	483±13 MY RS4I2/0.7157 WR Acid volcanics; Leverett Fm. FAU68 (see comment for 472±11 MY, 144°45W, FAU66)
85°40S 144°24W G Mt. Webster,Byrd Mts.	493±9 MY RSI2/0.7153 WR Acid volcanic rocks; basement complex. FAU79 (see comment for 472±11 MY, 144°45W, FAU66)

GEOGRAPHIC AREA 11:	HORLICK MOUNTAIN AREA (samples from west to east by coordinates)
85°55S 131°40W RM nr Quartz Hills, along W side Reedy Glacier	576±21 MY RS3I2/0.7117±0.0005 FD Grain-size fractions from glaciolacustrine sediment; pre-Reedy III. FAU83 (provenance date; finer fractions deviate)
86°00S 130°00W M Upper Reedy Gl.	615±22 MY RSI Wisconsin Range Batholith. GRI81 (date is part of a review; relatively high IR)
86°13S 125°40W R Metavolcanic Mt.	633±13 MY RS4I2/0.7034 WR Metavolcanics; Wyatt Formation. FAU68 FAU68A MIR69 (reported as 630±14 MY in FAU68)
86°02S 125°35W G Mims Spur	130±13 MY RSI2/0.7430 BT,MC,KF Pegmatite; basement complex. FAU79
86°02S 125°35W G Mims Spur	473±5 MY RSI2/0.7189 KF Pegmatite dykes; basement complex. FAU79
86°02S 125°35W G Mims Spur	485±17 MY(#?)K/A MC Pegmatite dyke; basement complex. FAU79
85°48S 125°24W G Wisconsin Plateau RM	480±21 MY RS4I2/0.7144±0.0030 FD Grain-size fractions in lodgement till; unit 4 (mid. Horlick Glac.). FAU83 (provenance date)
86°02S 125°22W R Rdg. E of Olentangy Glacier	479±10 MY RS6I2 Quartz monzonite (aplite,pegmatite); Granite Harbor Intrusives. FAU68A MIR69 (listing of 486±9 MY of FAU79 may be rev. age)
86°02S 125°22W R Rdg E. of Olentangy Glacier	627±22 MY RS7I2 WR Rapakivi granite and related granitic rocks; Wisc. Ra. batholith. FAU68A MIR69 (infer=629±22 MY,RS7I2/0.7090, same dscrpt., Wisc. Range, in FAU68)
85°45S 125°00W G Wisconsin Range	460±16 MY RSI2/0.7160 WR Metasediments; LaGorce Formation. FAU79 (infer=460±16 MY, RS8I2, phyllites and slates, LaGorce Fm., Wisc. Ra., FAU68A; and 462±17 MY, "lower limit", RS8I2/0.7168, metagreywacke, slate, phyllite from LaGorce Fm., Wisc. Ra., FAU68)
85°45S 125°00W G Wisconsin Range	555±48 MY RSI2/0.7098 WR Metavolcanics; Wyatt Formation. FAU79
85°45S 125°00W G Wisconsin Range	507±23 MY RSI2/0.7157 WR Older granitic rocks; (Beardmore Suite). FAU79
85°45S 125°00W G Wisconsin Range	513±12 MY RSI2/0.7050 WR Quartz Monzonite plutons; basement complex. FAU79
85°45S 125°00W G Wisconsin Range	486±9 MY RSI2/0.7146 WR Aplites; basement complex. FAU79
85°45S 125°00W G Wisconsin Range	490±12 MY RS7I2/0.7062 WR Postkinematic granitic rocks and aplites; Wisconsin Ra. batholith. FAU68 (listing: 486±9 MY from FAU79 may be rev. age)
85°45S 125°00W G Wisconsin Range	505 MY(#?)RSM2 BT Older granites; Wisconsin Range batholith. FAU66 (may be rev. by 513 MY, 118°45W , of FAU68)
85°45S 125°00W G Wisconsin Range	396 MY(13)RSM2/0.7040 BT Foliated rapakivi granite; basement complex. FAU68
85°45S 125°00W G Wisconsin Range	1255 MY(13)RSM2/0.7040 MC Foliated rapakivi granite; basement complex. FAU68
85°45S 125°00W G Wisconsin Range	401 MY(11)RSM2/0.7040 BT Foliated rapakivi granite; basement complex. FAU68

85°16S 119°19W G Todd Ridge	564±7 MY RSI2/0.7073 WR Acid volcanic rocks; basement complex. FAU79 (may relate to same samples as 532±38 MY, FAU68, and 498±45 MY, FAU68A, both from Todd Ridge)
85°16S 119°19W G Todd Ridge	532±38 MY RS6I2/0.7116 WR Acid volcanics; --. FAU68 (see comment for 564±7 MY, 119°19W, FAU79)
85°16S 119°10W G Todd Ridge	498±45 RS6I2 WR Acid volcanic rocks; basement complex. FAU68A MIR69 (see comment for 564±7 MY, 119°19W, FAU79)
85°18S 118°45W G Long Hills	520-560 MY RS2I2 WR Quartz Monzonite pluton(s); basement complex. FAU79
85°18S 118°45W G Long Hills	513 MY(227)RSM2/0.7040 BT Porphyritic quartz monzonite;--. FAU68
84°45S 114°40W R Discovery Ridge and Treves Butte	472±24 MY(#?)K/A BT Quartz monzonite; basement rocks. TRE65 MIR69 (infer=470±36 MY, same dscrpt., Ohio Ra., TRE64)
84°455 114°40W R Discovery Ridge and Treves Butte	471±49 MY(#?)R/S FD Quartz monzonite; basement rocks. TRE65 MIR69
84°45S 114°40W R Discovery Ridge and Treves Butte	516±72 MY(#?)R/S WR Quartz monzonite; basement rocks. TRE65 MIR69 (same sample as FD from this loc.)

GEOGRAPHIC AREA 12:	THIEL MOUNTAIN AREA (samples from west to east by coordinates)
85°02S 91°45W R	504 MY(#?)K/A BT Granodiorite,--. SCH69A
(Ford Massif area RM)	(error about ±5% of age value)
85°02S 91°45W R	510±50 MY(#?)P/a ZR Granodiorite;--. SCH69A
(Ford Massif area RM)	(method may = Pal as in FOR63)
85°02S 91°37W R	648±85 MY(R/S WR Granodiorite;--. SCH69A
(Ford Massif area RM)	
85°02S 91°37W R	646±85 MY R/S KF Granodiorite;--. SCH69A
(Ford Massif area RM)	
85°02S 91°37W R	491 MY(#/)K/A BT Granodiorite;--. SCH69A
(Ford Massif area RM)	(error about ±5% of age value)
85°15S 91°00W G	660±79 MY RSI2/0.7069 WR Metavolcanic rocks;
Thiel Mountains	Wyatt Formation. FAU79
85°15S 91°00W G	542±42 MY RSI2/0.7115 WR Granitic rocks;
Thiel Mountains	basement complex. FAU79
85°09S 90°40W R	620±70 MY(1)Pal ZR Hypersthene-quartz monzonite
Aaron Glacier	porphyry;--. FOR63 SCH69A
	(coords.=85°10S 90°30W in FOR63)
85°04S 90°10W R	630±70 MY(2)Pal ZR Hypersthene-quartz monzonite
Green Valley	porphyry, less magnetic split;--. FOR63 SCH69A
	(coords.=85°05S 90°15W in FOR63)
85°04S 90°10W R	530±60 MY(2)Pal ZR Hypersthene-quartz monzonite
Green Valley	porphyry, more magnetic split;--. FOR63 SCH69A
	(coords.=85°05S 90°15W in FOR63)
85°17S 89°30W R	560±60 MY(#?)Pal ZR Granodiorite;--. FOR64 SCH69A
(nr Elliot Nun. RM)	(coords.=85°16S 89°25W in FOR64)
85°17S 89°30W R	511 MY(#?)K/A BT Granodiorite;--. SCH69A
(nr Elliot Nun. RM)	(error about ±5% of age value)
85°17S 89°20W R	720±90 MY(#?)P/a ZR Granodiorite;--. SCH69A
(nr Elliot Nun. RM)	(method may = Pal as in FOR63)
85°17S 89°20W R	500 MY(#?)K/A BT Granodiorite;--. SCH69A
(nr Elliot Nun. RM)	(error about ±5% of age value)
85°20S 88°05W R	670±50 MY(#?)Pal ZR Hypersthene-quartz monzonite
(King Peak RM)	porphyry;--. FOR64 SCH69A
	(coords.=85°19S 87°50W in FOR64)
83°41S 87°40W G	175±4 MY(2-65-4)KA13 BT Granite;--. WEB82A
Pagano Nunatak	
85°27S 87°00W R	470±50 MY(#?)Pal ZR Granodiorite;--. FOR64 SCH69A
(nr Smith Knob RM)	(coords.=85°27S 86°50W in FOR64)
85°27S 87°00W R	570±70 MY(#?)R/S WR Granodiorite;--. SCH69A
(nr Smith Knob RM)	
85°27S 87°00W R	484 MY(#?)K/A BT Granodiorite;--. SCH69A
(nr Smith Knob RM)	(error about ±5% of age value)
85°25S 86°44W R	510±20 MY(60-H-57)RSM4/0.707 MC Adamellite pegmatite
SE end, Smith Knob	glacial erratic;--. CRA64A SCH69A
84°12S 86°00W G	508 MY(#?)K/A MC Metasedimentary rocks;
Stewart Hills	--. CRA70 CRA77

GEOGRAPHIC AREA 13:	PENSACOLA MOUNTAIN AREA (samples from west to east by coordinates)
85°37'34"S 68°44'26"W R Pecora Escarpment	217.3±5.4 MY(1Sa)KA17 WR Basalt; dolerite sill intruding Pecora Fm. FOR80
85°37'34"S 68°44'26"W R Pecora Escarpment	180.0±4.5 MY(1Se)KA17 PY Dolerite; dolerite sill intruding Pecora Fm. FOR80 (avg of PY and PL ages of 1Se=179±5 MY=sill age)
85°37'34"S 68°44'26"W R Pecora Escarpment	177.7±4.5 MY(1Se)KA17 PL Dolerite; dolerite sill intruding Pecora Fm. FOR80 (avg of PY and PL ages of 1Se=179±5 MY=sill age)
85°37'38"S 68°42'21"W R Pecora Escarpment	208.0±5.2 MY(N57)KA17 PY Dolerite; dolerite sill intruding Pecora Fm. FOR80
85°37'38"S 68°42'21"W R Pecora Escarpment	197.0±4.9 MY(N57)KA17 PL Dolerite; dolerite sill intruding Pecora Fm. FOR80
85°36'41"S 68°37'04"W R Pecora Escarpment	212.2±5.3 MY(82F6)KA17 PY Dolerite; dolerite sill intruding Pecora Fm. FOR80
85°36'41"S 68°37'04"W R Pecora Escarpment	199.7±5.0 MY(82F6)KA17 PL Dolerite; dolerite sill intruding Pecora Fm. FOR80
85°36'29"S 68°33'32"W R Pecora Escarpment	223.1±5.6 MY(10Sa)KA17 WR Basalt; dolerite sill intruding Pecora Fm. FOR80
84°43S 64°30W G Patuxent Range	443±28 MY RSI2/0.7156 WR Metasediments; Patuxent Fm. FAU79A (date may be reset)
84°43S 64°30W G Patuxent Range	393±6 MY RSI2/0.7156 WR Metasediments; Patuxent Fm. FAU79A (date may be reset)
84°52S 63°34W R Patuxent Range RM	233 MY(#?)K/A BT Biotite lamprophyre; dike cutting across strike of Patuxent Fm. SCH69A (error about ±5% of age value)
84°53S 62°10W R (nr Sullivan Pks RM)	244 MY(#?)K/A BT Biotite lamprophyre; dike cutting across strike of Patuxent Fm. SCH69A (error about ±5% of age value)
84°53S 62°10W R (nr Sullivan Pks RM)	219 MY(#?)K/A BT Biotite lamprophyre; dike cutting across strike of Patuxent Fm. SCH69A (error about ±5% of age value)
83°14S 57°48W G Schmidt Hills	784±58 MY RSI2/0.7064 WR Dolerite sill; intrudes Patuxent Formation. FAU79A
83°30S 56°00W G (S. Neptune Range)	500±10 MY RS8I WR Volcanics; Gambacorta Fm. SCH69 (pers. comm. Faure and Eastin; may be same samples as 565±35 MY in FAU79A)
83°30S 56°00W G Neptune Range	809+38 MY RSI2/0.7074 WR Gorecki Rhyolite. FAU79A
83°30S 56°00W G Neptune Range	565±35 MY RSI2/0.7057 WR Rhyolite; Gambacorta Formation. FAU79A
83°30S 56°00W G Neptune Range	568±81 RSI2/0.7054 WR Volcaniclastic rocks; Hawkes member, Gambacorta Fm. FAU79A

83°30S 56°00W G Neptune Range	953±175 MY RS(I) WR Felsic flows; Gorecki Rhyolite. EAS69 (may be same samples as 809±38 MY in FAU79A)
83°30S 56°00W G Neptune Range	563±35 MY RSI WR Hawkes Pyroclastics and rhyolite bodies within Patuxent Fm. EAS69 (may be same samples as 568±81 MY and 565±35 MY in FAU79A)
83°44S 55°55W R Nun. NE of Mt. Dover	261.3±7.5 MY(#?)KA11 WR Rhyodacite; --. KAI82
83°44S 55°30W R Nun. NW of Mt. Dover	237±25 MY(#?)KA11 WR Lamprophyre; intrudes Nelson limestone or is between the Nelson limestone and the Patuxent Formation. KAI82
83°34S 54°50W G Serpan Peak	536±13 MY RSI2/0.7064 WR Serpan Granite and assoc. gneiss. FAU79A
83°35S 54°40W R (nr Hannah Rdg RM)	510±30 MY R/S WR Granite;--. SCH69A (infer=postkinematic granite of SCH69)
83°35S 54°40W R (nr Hannah Rdg RM)	265 MY K/A BT Granite;--. SCH69A (error about ±5% of age value)
82°46'05"S 53°21'26"W R Cordiner Peaks	307.9±7.7 MY(13Fa)KA17 PY Dolerite; interior of dike cutting Dover Sandstone and Gale Mudstone. FOR80 (inferred to contain excess 40-Ar)
82°46'05"S 53°21'26"W R Cordiner Peaks	168.8±4.2 MY(13Fa)KA17 PL Dolerite; interior of dike cutting Dover Sandstone and Gale Mudstone. FOR80
82°38'02"S 53°17'03"W R W of Walker Peak	171.2±4.3 MY(192Fb)KA17 PL Plagioclase cumulate; Walker Anorthosite, Dufek intrusion. FOR80
82°36'29"S 52°56'40"W R N end, Neuburg Pk	189.5±31.7 MY(38Fa)AAT2 PY PL-PY-cumulate (leuco-gabbro); Dufek intrusion. FOR80 (J=0.00599)
82°34'11"S 52°01'03"W R Frost Spur	97.5±2.4 MY(198Fa)KA17 PY (-100+60 μ), pyroxene cumulate; base of Frost Pyroxenite Member, Aughenbaugh Gabbro, Dufek intrusion. FOR80
83°22'46"S 51°31'46"W R W Mt Stephens	169.5±4.2 MY(75Fe)KA17 PL Plagioclase cumulate; Stephens Anorthosite Member, Saratoga Gabbro, Dufek intrusion. FOR80
83°22'46"S 51°29'43"W R spur of Mt. Stephens	148.7±7.3 MY(94Fi)AAT2 PY PL-Fe-titanium oxide cumulate; in (or above?) Stephens Anorthosite Member, Saratoga Gabbro, Dufek intrusion. FOR80
83°13'27"S 51°02'17"W R NW of Mt Lechner	111.9±2.8 MY(297Fa)KA17 WR Gabbro; Dufek intrusion. FOR80
83°13'27"S 51°02'17"W R NW of Mt. Lechner	106.3±2.7 MY(297FaR)KA17 WR Gabbro; Dufek intrusion. FOR80
82°29S 50°52W R Dufek Massif	126±27 MY(#?)KA11 WR Gabbro; Dufek intrusion. KAI82
83°17'20"W R 50°40'11"W R Base, Sorna Bluff	174.1±4.4 MY(101Fa)KA17 PL Plagioclase cumulate; Dufek intrusion. FOR80 (avg. age of 101Fa,192Fb,75Fe=172±4 MY=best est.)
83°S 50°W M Dufek Massif and Forrestal Range	168±5 MY(#?)K/A PL Gabbros; Dufek intrusion. FOR72 (avg. age; may be same samples as in FOR80)

GEOGRAPHIC AREA 14:	SHACKLETON RANGE AREA (samples from west to east by coordinates)
80°24S 30°05W G (Nostoc Lake area RM)	531±13 MY(Z.1060.9)K/A HB Migmatitic gneiss; metasediments, Nostoc Lake Fm. PAN83A
80°24S 30°05W G (Nostoc Lake area RM)	537±36 MY RS6I3/0.7086±0.0003 WR Gneisses; metasediments, Nostoc Lake Fm. PAN83A (4 data points fall on 583 MY isochron of GRE79)
80°24S 30°05W G (Nostoc Lake area RM)	500±5 MY RS5I3/0.7085±0.0001 BT,AM,KF,PL,WR Gneiss; metasediments, Nostoc Lake Fm. PAN83A
80°23S 29°55W G Mt Provender area RM	583±48 MY("1017-1")RS5I3/0.7084±0.0024 WR Feldspathic augen gneiss; Shackleton Range Metamorphic Complex. GRE79
80°23S 29°55W G Mt Provender area RM	656±66 MY(#1017-6)RS3I3/0.7078±0.0064 WR Granitic gneiss; Shackleton Range Metamorphic Complex. GRE79
80°23S 29°55W G Mt Provender area RM	519±15 MY(1017-3)RSM3/0.708 BT Feldspathic augen gneiss; Shackleton Range Metamorphic Complex. GRE79
80°23S 29°55W G Mt Provender area RM	c.600 MY("1006-1")RS5R3/0.707 WR Gneissic granite; Shackleton Range Metamorphic Complex. GRE79
80°23S 29°55W G Mt Provender area RM	515 MY,512 MY,497 MY(1006-2)U/P ZR Gneissic granite; Shackleton Range Metamorphic Complex. GRE80 GRE70 (concordant at 500 MY)
80°23S 29°55W G Mt Provender area RM	431 MY,451 MY,556 MY(1017-4)U/P ZR Feldspathic augen gneiss; Shackleton Range Metamorphic Complex. GRE80 GRE79 (data lie close to chord 0-550 MY)
80°23S 29°55W G Mt Provender area RM	466 MY,470 MY,490 MY(1029-7)U/P ZR Migmatite; Shackleton Range Metamorphic Complex. GRE80 GRE79 (data lie close to chord 0-500 MY)
80°23S 29°55W G Mt Provender area RM	477 MY,484 MY,518 MY(1045-4)U/P ZR Migmatite; Shackleton Range Metamorphic Complex. GRE80 GRE79 (data lie close to chord 0-500 MY)
80°23S 29°55W G (Mt. Provender area RM)	475±40 MY("Z.1039.9")RS4I3/0.716±0.004 WR Red shale; Mt. Provender Fm., Blaiklock Glacier Gp. PAN83A (using 3 data points, date=482±11 MY)
80°27S 29°30W G (Mt. Gass area RM)	c.900-1500 MY RSM3/0.703 WR Schist; metasediments, Mount Gass Fm. PAN83A (10 samples; secondary lines of c. 700-900 MY with IR=0.715)
80°24S 29°21W G Pratts Peak RM	510±5 MY RSI3/0.7082±0.0001 MS Pegmatite clinopyroxene-biotite-apatite body; metasediments, Nostoc Lake Formation. PAN83A
80°30S 29°20W G Williams Ridge RM	600 MY(Z.1095*)RS2I3/0.742 WR Schist, gneiss; supposed basement rock in Williams Ridge Fm. PAN83A (*locality number)
80°30S 29°20W G Williams Ridge RM	520±24 MY(Z.1090,Z.1097*)RS4I3/0.7134±0.0006 WR Unaltered schist; Williams Ridge FM. PAN83A (*locality numbers; "errorchron" date)
80°38S 29°12W G around Wedge Ridge RM	2700±100 MY RS6I3/0.700±0.004 WR Pegmatites(2) and gneisses(4); crystalline basement. PAN83A ("errorchron" date)
80°38S 29°12W G around Wedge Ridge RM	1700±50 MY RSM3/LT 1. MC Pegmatite; crystalline basement. PAN83A
80°38S 29°12W G around Wedge Ridge RM	504±6 MY RS3I3/0.8820±0.0003 BT,KF,WR Gneiss; crystalline basement. PAN83A

80°28S 29°10W G nr Mt. Weston RM	1550 MY RS11R3/0.707 WR Paragneisses; crystalline basement. PAN83A
80°24S 28°31W G Dragons Back	297±12 MY(Z.736.4)KA9 WR Dolerite dike; intruding Otter Highlands Fm. CLA72 REX72
81°33S 28°30W G Eastern Nunatak of Whichaway Nunataks	163±13 MY(9)KA11 WR Dolerite; crosscuts sandstone of Whichaway Fm. HOF80
81°33S 28°30W G Whichaway Nunataks	171±14 MY(10)KA11 WR Dolerite; crosscuts sandstone of Whichaway Fm. HOF80
80°18S 27°50W G "Myashiro Ridge," Lagrange Nunataks	195±20 MY(8)KA11 Dolerite; --. HOF80
80°18S 27°50W G Lagrange Nunataks RM	2310±130 MY RS6I3/0.722±0.004 WR Gneisses; crystalline basement. PAN83A ("errorchron" date)
80°18S 27°50W G Lagrange Nunataks RM	c.1600 MY RSM3/0.722±0.004 WR Gneiss; crystalline basement. PAN83A
80°23S 26°50W G Lewis Chain RM	505±18 MY("Z.720.1")RS5I3/0.7141±0.0001 WR Micaschists; Williams Ridge Formation. PAN83A (if combined with the 520±24 MY samples from Williams Ridge, age=512±3 MY,RS9I3/0,713±0.0002)
80°46S 25°43W R S. side, Hatch Plain	1446±60 MY(Z.602.2)KA9 WR Granodiorite dike; intrudes Shackleton Range Metamorphic Complex. CLA72 REX72
80°20S 25°30W G "Sumgin Buttress N." Herbert Mts.	391±31 MY(1)KA11 WR Dolerite;--. HOF80 (isochron for samples (1) through (4) of HOF80= 402 MY; isochron for (1) through (4), and (6)= 357 MY)
80°20S 25°30W G "Charpentier Pyramind S.E.", Herbert Mts.	417±33 MY(2)KA11 WR Dolerite; --. HOF80 (see comment for sample (1) of HOF80
80°20S 25°30W G "Sumgin Buttress N.," Herbert Mts.	434±35 MY(3)KA11 WR Amphibolite; Herbert metamorphics. HOF80 (see comment for sample (1) of HOF80)
80°20S 25°30W G "Unnamed Nun., S. Sum- gin Buttress," Herbert Mts.	399±32 MY(4)KA11 WR Amphibolite; Herbert metamorphics HOF80 (see comment for sample (1) of HOF80)
80°20S 25°30W G "Sumgin Buttress N.," Herbert Mts.	268±21 MY(5)KA11 FU Mica-quartz schist; Herbert metamorphics. HOF80 (suggests argon loss likely)
80°20S 25°30W G "Unnamed Nun., S. Sum- gin Buttress, E." Herbert Mts.	351±28 MY(6)KA11 WR Granitoid; Herbert metamorphics. HOF80 (see comment for sample (1) of HOF80)
80°20S 25°30W G Herbert Mountains	470±36 MY RS 3I2/0.7277±0.0007 WR Mica schists; Shackleton metamorphic complex. HOF81A
80°20S 25°30W G Herbert Mountains	1414±185 MY RS2I2/0.7090+0.0044 WR Mica schists; Shackleton metamorphic complex. HOF81A
80°42S 24°45W G "Beche Blade, N.," Read Mountains	1401±70 MY(7)KA11 WR Granitoid, prophyroblastic; --. HOF80

80°42S 24°45W G Hatch Plain area, Read Mtns. RM	1763±32 MY RS5I3/0.704±0.001 WR Gneissose granites; crystalline basement. PAN83A (SE part of outcrop)
80°42S 24°45W G Hatch Plain area, Read Mtns. RM	1599±38 MY RS3I3/0.714±0.001 WR Gneissose granites; crystalline basement. PAN83A (west of 1763 MY samples)
80°42S 24°45W G Read Mtns.	1820±160 MY RS3I3/0.705±0.003 WR Granites; crystalline basement. PAN83A (none of 10 samples lies significantly below an 1850 MY reference line)
80°42S 24°45W G Read Mtns.	c.1900 MY,1300 MY RS10R3 WR Granodiorite dikes; intrude the basement rocks. PAN83A (the samples scatter btwn these two isochrons)
80°45S 24°W RM S. Shackleton Ra.	720 MY(Z.884.3)RSM3/0.715 WR Purple shale; Watts Needle Fm., Turnpike Bluff Gp. PAN83A
80°44S 23°31W* (Mt.Wegener area RM)	526±6 MY("Z.1236.1")RS13I3/0.7152±0.0005 WR Slaty mud- stones and siltstones; Mount Wegener Fm. PAN83A (*coords. from Antarct. Jl. U.S. 17(4), 1982, p.12)
80°30S 20°15W R Lundstrom Knoll	457±18 MY(Z.628.1)KA9 WR Dolerite dike; intrudes schists of Shackleton Range Metamorphic Complex. CIA72 REX72

GEOGRAPHIC AREA 15:	THERON MOUNTAIN AREA (samples from west to east by coordinates)
79°09S 28°50W R Theron Mountains	164±6 MY(Z.500.1)KA9 WR Dolerite sill; intrudes Theron Formation. REX72
79°02S 28°35W R Theron Mountains	162±6 MY(Z.481.1)KA9 WR Dolerite sill; intrudes Theron Formation. REX72
78°59S 28°15W R Theron Mountains	158±6 MY(Z.471.13)KA9 WR Dolerite dike; intrudes Theron Formation. REX72
78°59S 28°10W R Theron Mountains	161±6 MY, 169±6 MY(Z.498.8)KA9 WR Dolerite sill; intrudes Theron Formation. REX72
78°55S 27°45W R Theron Mountains	154±6 MY(Z.489.4)KA9 WR Dolerite sill; intrudes Theron Formation. REX72
78°52S 27°30W R Theron Mountains	161±6 MY(Z.487.1)KA9 WR Dolerite sill; intrudes Theron Formation. REX72

GEOGRAPHIC AREA 16:	COATS LAND EXCLUDING THERON MOUNTAIN AREA (samples from west to east by coordinates)
77°55S 34°32W G Bertrab Nunatak	998±19 MY("405")RS5I2/0.7042±0.0014 WR Acid volcanic or hypabyssal rocks; Littlewood Volcs. EAS71
77°54S 34°21W M Littlewood Nunataks and Bertrab Nunatak	1001±16 MY RS7I2/0.7042±0.0011 WR Acid volcanic or hypabyssal rocks; Littlewood Volcanics. EAS71 (pooled isochron for samples 234,367,and"405")
77°53.5S 34°10W R Littlewood Nunataks	840±30 MY(235)K/A WR Rhyolite porphyry; Littlewood Volcanics. AUG65 EAS71 (age is a minimum)
77°53.5S 34°10W R Littlewood Nunataks	1044 MY(235)RSM2/0.7040 WR Rhyolite; Littlewood Volcanics. FAU68 AUG65 EAS71 (prelim. result superseded by data in EAS71)
77°53S 34°10W G Littlewood Nunataks	1036±28 MY(#?)R/S WR Acid volcanic rocks; Littlewood Volcanics. EAS69 (prelim. result superseded by data in EAS71; combined isochron with Gorecki Rhyolites of the Pensacola Mts. = 1016±18 MY)
77°53S 34°10W G Littlewood Nunataks	966-1035 MY(235,367)RSM2/0.7050 WR Acid volcanic or hypabyssal rocks; Littlewood Volcanics. EAS71

GEOGRAPHIC AREA 17:	QUEEN MAUD LAND, FROM STANCOMB-WILLS GLACIER THROUGH NEW SCHWABENLAND (samples from west to east by coordinates)
73°50S 15°W AR nuns. in Vestfjella	168±6 MY(Specimen A)KA9 WR Dolerite; --. REX67
73°50S 15°W AR nuns. in Vestfjella	172±6 MY(Specimen B)KA9 WR Dolerite; --. REX67
74°36S 14°25W R Mannefallknausane	259±10 MY;256±10 MY(Z.388.1)KA9 WR Dolerite, slightly altered; intrudes basement. REX72
74°36S 14°20W R Mannefallknausane	547±100 MY;580±100 MY(Z.391.1)KA9 WR Dolerite; intrudes basement complex. REX72
73°30S 14°10W G "Skansen" (RM) Vestfjella	231±10 MY(VF 89)KA9 WR Subaerial compound basalt lava flow;--. FUR78
73°30S 14°10W G "Muren" (RM) Vestfjella	200±6 MY(VF 95)KA9 WR Subaerial compound basalt lava flow;--. FUR78
73°30S 14°10W G "Steinkjeften" (RM) Vestfjella	219± MY(VF 119)KA9 WR Subaerial compound basalt lava flow;--. FUR78
73°30S 14°10W G "Steinkjeften" (RM) Vestfjella	201± MY(VF 140)KA9 WR Subaerial compound basalt lava flow;--. FUR78
73°30S 14°10W G "Pagodromen" (RM) Vestfjella	156±4 MY(VF 44)KA9 WR Fresh basalt dike; cuts the dated lava sequence. FUR78
73°30S 14°10W G "Pagodromen" (RM) Vestfjella	158±3 MY(VF 41)KA9 WR Fresh basalt dike; cuts the dated lava sequence. FUR78
73°30S 14°10W G "Pagodromen" (RM) Vestfjella	158±2 MY(VF 45)KA9 WR Fresh basalt dike; cuts the dated lava sequence. FUR78
73°30S 14°10W G "Kjakebeinet" (RM) Vestfjella	162±2 MY(VF 110)KA9 WR Fresh basalt dike; cuts the dated lava sequence. FUR78
73°30S 14°10W G "Nimbusryggen"?(RM) Vestfjella	164±2 MY(VF 34)KA9 WR Fresh basalt dike; cuts the dated lava sequence. FUR78
73°30S 14°10W G "Muren" (RM) Vestfjella	164±3 MY(VF 82)KA9 WR Fresh basalt dike; cuts the dated lava sequence. FUR78
73°30S 14°10W G "Steinkjeften" (RM) Vestfjella	164±2 MY(VF 120)KA9 WR Fresh basalt dike; cuts the dated lava sequence. FUR78
73°30S 14°10W G "Muren" (RM) Vestfjella	166±2 MY(VF 83)KA9 WR Fresh basalt dike; cuts the dated lava sequence. FUR78
73°30S 14°10W G "Nunatak A" (RM) Vestfjella	169±5 MY(VF 30)KA9 WR Fresh basalt dike margin; cuts the dated lava sequence. FUR78
73°30S 14°10W G "Nunatak A" (RM) Vestfjella	165±2 MY(VF 32)KA9 WR Fresh basalt dike, center of same dike as VF 30; cuts the dated lava sequence. FUR78

73°30S 14°10W G "Steinkjeften" (RM) Vestfjella	168±2 MY(VF 116)KA9 WR Fresh basalt dike; cuts the dated lava sequence. FUR78
73°30S 14°10W G "Pagodromen" (RM) Vestfjella	171±3 MY(VF 40)KA9 WR Fresh basalt dike; cuts the dated lava sequence. FUR78
73°30S 14°10W G "Nunatak A" Vestfjella	170±2 MY(VF 128)KA9 WR Fresh basalt dike, margin; cuts the dated lava sequence. FUR78
73°30S 14°10W G "Nunatak A" Vestfjella	172±2 MY(VF 129)KA9 WR Fresh basalt dike, center of same dike as VF 128; cuts the dated lava sequence. FUR78
73°19'17"S 14°09'12"W R Vestfjella	c.400 MY(68/69 Hj6B)K/A WR Basalt lava; --. HJE72 (prelim. analysis by A. Ya. Krylov)
73°23'47"S 13°02'43"W R Vestfjella	c.220 MY(68/69 Hj3G)K/A WR Dolerite sill; --. HJE72 (prelim. analysis by A. Ya. Krylov)
74°36S 10°05W R Milorgfjella	173±7 MY(Z.371.7)KA9 WR Basalt lava; overlie(?) Permian sediments. REX72
74°37S 10°02W R Milorgfjella	173±5 MY(Z.372.1)KA9 WR Lava; overlie(?) Permian sediments. REX72
74°36S 10°00W R Milorgfjella	172±7 MY(Z.308.4)KA9 WR Basalt lava; overlie(?) Permian sediments. REX72
74°19S 9°49W R Milorgfjella	179±7 MY(Z.353.7)KA9 WR Dolerite; cuts Permian sediments. REX72
74°17S 9°45W R Milorgfjella	452±15 MY(Z.313.4)KA9 WR Dolerite; cuts Precambrian basement. REX72
74°17S 9°45W R Milorgfjella	485±15 MY(Z.313.4)KA9 WR Dolerite; cuts Precambrian basement. REX72
74°28S 8°15W R Milorgfjella	162±6 MY(Z.349.1)KA9 WR Basalt lava; overlie(?) Permian sediments. REX72
72°32S 6°18W G Annandagstoppane	1802±100 MY RS8I3/0.7034±0.0009 WR Gabbro (suite 1); --. BAR83
72°32S 6°18W G Annandagstoppane	2518±406 MY RS4I3/0.6990±0.0033 WR Gabbro (suite 2); -. BAR83
72°23S 5°33W R nuns. in Jule Peaks	3060±80 MY(5(A) and 5(B))RSM4/0.7040 WR Biotite granite;--. HAL70 SOL75
72°23S 5°33W R nuns. in Jule Peaks	2840±10 MY(4(A) and 4(B))RSM4/0.7040 WR Pegmatite; --. SOL75
73°54S 5°15W AR* Kirwanveggen	172±10 MY(#?)K/A WR Basaltic lava; Kirwan Volcanics. AUC72 (*sample location not given but from Kirwan Volcanics; date from G. Faure, pers. comm.)
71°18S 3°57W G Boreas Nunatak	827 MY,824 MY(GA2092;B0)KA8 PL Dolerite; Borg metamafics. NEE69 ALL70 NEE72
71°18S 3°57W G Boreas Nunatak	1007 MY,1012 MY(GA2092;B0)KA8 PY Dolerite; Borg metamafics. NEE69 ALL70 NEE72
72°33S 2°59W G Fasettfjellet	1109-1280 MY(#?)R/S WR Lava; correlated with Krylen Intrusion. BRE82 (quoting MS thesis of Bowman, 1971)
72°30S 2°50W R Ytstenut Nunatak	924±4 MY,761±11 MY(#?)A/A WR Altered sample from mafic sill; Ytstenut Intrusions. BRE73 BRE82 (second age component is less well-defined)

72°03S 2°47W G Grunehogna (Peaks)	832±2 MY,716±4 MY(#?)A/A WR Dioritic sill; Ytstenut Intrusions. BRE73 BRE82 (second age component is less well-defined)
72°03S 2°47W G (Grunehogna Peaks)*	1426±87 MY("GD1/81")RS11I3/0.7051±0.0013 WR Diorite; --. BAR83 (*loc. given as"Grunehogna Nunatak")
72'03S 2°47W G (Grunehogna Peaks)*	1008±11 MY("GG1/81")RS10I3/0.7097±0.0003 WR Grano- diorite;--. BAR83 (*loc. given as "Grunehogna Nunatak")
73°00S 2°45W G Penck Trough	860 MY(99a)KA6 WR Schistose siltstone, slightly metamorphosed;--. RAV64 RAV65
73°00S 2°45W G Penck Trough	420 MY(114t)KA6 WR Pyroxene syenite (cutting lava sequence);--. RAV64 RAV65
73°00S 2°45W G Penck Trough	590 MY(81)KA6 WR Epidote-chlorite-biotite schist (diaphthorite);--. RAV64 RAV65
73°00S 2°45W G Penck Trough	590 MY(81d)KA6 WR Epidote-chlorite-biotite schist (diaphthorite);--. RAV64 RAV65 (infer=#81g in RAV64)
73°00S 2°45W G Pench Trough	515 MY(82)KA6 WR Metamorphosed argillaceous schist (phyllite);--. RAV64 RAV65
73°00S 2°45W G Penck Trough	340 MY(107l)KA6 WR Nepheline-syenite (cutting gneiss);--. RAV64 RAV65
73°00S 2°45W G Penck Trough	330 MY(107)KA6 WR Hornfels formed from plagioclase- gneiss;--. RAV64 RAV65
73°00S 2°45W G Penck Trough	260 MY(89b)KA6 WR Biotite schist (contact with nepheline-syenite);--. RAV64 RAV65
73°00S 2°45W G Penck Trough	225 MY(107c)KA6 MC Alkaline pegmatite; --. RAV64 RAV65
72°03S 2°40W R Grunehogna (Peaks)	1030±70 MY(#?)RS6I/0.7101±0.0015 WR Syenodiorite; Jorgen Intrusions. ALL70 NEE72
72°00S 2°40W Jekselen	1700±130 MY(#?)RS4I/0.7007±0.0026 WR Dolerite and granophyre; Borg Metamafics. ALL70 NEE72
72°00S 2°33W G Jekselen	1339±55 MY,1140±56 MY,806±28 MY(#?)A/A WR Altered sample from volcanic subzone of Krylen Intrusions. BRE73 BRE82 (min. age=1339 MY; rocks in this subzone can be classified as quartz andesites)
72°00S 2°33W G (Jekselen Peak)*	1079±87 MY RS4I3/0.7091±0.0012 WR Diorite (suite 1); --. BAR83 (*loc. given as "Jekselen Nunatak")
72°00S 2°33W G (Jekselen Peak)*	984±120 MY RS6I3/0.7122±0.0015 WR Diorite (suite 2); --. BAR83 (*loc. given as "Jekselen Nunatak")
72°00S 2°32W R Jekselen	c.1000 MY(N30A)U/P WR Quartz-carbonate vein in dolerite in Borg Metamafics. ALL70 NEE72
71°50S 2°25W G Ahlmann Ridge	1672±79 MY RSI WR Undeformed mafic sill;--. BAR83 (date from T. Elworthy)
71°50S 2°25W 6 Ahlmann Ridge	1000 MY R/S MC,WR Rock units;--. BAR83. (date from Barton and Copperthwaite, unpubl. data).
72°06S 2°23W G Istend (Peak)	c.600 MY(#?)A/A WR Altered lava flow; Istend Member, Viddalen Formation. BRE82 (age of three major age components)
71°30S 2°10W R Krylen Nunatak	1701 MY,1600 MY(GA2093;XX)KA8 HB Altered dolerite; Borg metamafics. NEE69 ALL70 NEE72

71°33S 2°10W G (Krylen Hill)*	767±49 MY RS5I3/0.7128±0.0006 WR Diorite (suite 1); --. BAR83 (*loc. given as "Krylen Nunatak")
71°33S 2°10W G (Krylen Hill)*	806±122 MY RS6I3/0.7122±0.0016 WR Diorite (suite 2); --. BAR83 (*loc. given as "Krylen Nunatak")
71°33S 2°10W G (Krylen Hill)*	124±61 MY RS3I3/0.7077±0.0008 WR Diorite (suite 3); --. BAR83 (*loc. given as "Krylen Nunatak")
71°35S 1°10W R Straumsnutane	856±30 MY RS8I2/0.7097±0.0009 WR Andesitic lava; Trollkjellrygg Group. EAS70A NEE72 (also reported as 848±28 MY in NEE72, EAS70A)
71°31S 1°W R Utkikken	1720 MY(484)RSM2/0.710 WR Andesite (metamorphosed); Trollkjellrygg Volcanics. EAS70A (also reported as 1760 MY in NEE72)
72°11S 0°15W G (Gburek Peaks)	145±10 MY(107k)KA16 BT Nepheline-syenite; --. DEU64A PIC64 (loc. given as "Gburek Mountains";age=140 MY in PIC64)
72°11S 0°15W G (Gburek Peaks)	165±10 MY(107k)RSM2 BT Nepheline-syenite;--. DEU64A (loc. given as "Gburek Mountains";revised to 155 MY, RSM4, in PIC64)
72°33S 0°30E G Herrmann Mountains	475 MY(103)KA6 WR Migmatite derived from pyroxene schist;--. RAV65
72°22S 1°00E G Barkley Mountains	450 MY(729c)KA6 KF Migmatite vein material; --. RAV64 RAV65 (reported as "Barclay Mountains" in RAV65)
72°05S 1°25E G (Mount Hedden)	450 MY(552e)KA6 WR Veined granite;--. RAV64 RAV65 (reported as "Mount Khadden" in RAV65 and as "Mount Hadden" in RAV64; infer=Mt. Hedden)
72°05S 1°25E G (Mount Hedden)	425 MY(554)KA6 WR Alkaline granite;--. RAV64 RAV65 (rpted as "Mount Khadden" in RAV65 and as "Mount Hadden" in RAV64; infer=Mt. Hedden)
72°05S 1°25E G (Mount Hedden)	400 MY(69n)KA6 WR Granosyenite;--. RAV64 RAV65 (rpted as "Mount Khadden" in RAV65 and as "Mount Hadden" in RAV64; infer=Mt. Hedden)
72°11S 2°22E G (Mayr Range)	475 MY(68a)KA6 WR Migmatite derived from pyroxene schist;--. RAV64 RAV65 (rpted as "Maier Mountains" in RAV65 and as "Mayer Mountains" in RAV65; infer=Mayr Range)
72°11S 2°22E G (Mayr Range)	420 MY(706)KA6 WR Migmatite derived from biotite plagioclase-gneiss;--. RAV65 RAV65 (rpted as "Maier Mountains" in RAV65 and as "Mayer Mountains" in RAV64; infer=Mayr Range)
72°11S 2°22E G (Mayr Range)	420 MY(706b)KA6 WR Granite(migmatite vein material); --. RAV64 RAV65 (rpted as "Maier Mountains" in RAV65 and as "Mayer Mountains" in RAV64; infer=Mayr Range)
72°11S 2°22E G (Mayr Range)	460 MY(704a)KA6 WR Biotite gneiss from xenolith in granosyenite (charnockite);--. RAV64 RAV65 (rpted as "Maier Mountains" in RAV65 and as "Mayer Mountains" in RAV64; infer=Mayr Range)
72°01S 2°42E G (Bundermann Range)	510 MY(705e)KA6 WR Migmatized schist;--. RAV64 RAV65 (loc. given as "Buderman Mountains"; sample # given as 705d in RAV64)

72°11S 3°24E* R unspecified mts	1050 MY(112d)KA6 WR Argillite with thin interlayers of siltstone;--. RAV64 RAV65 (*coords. in RAV64= 72°11S 3°24W, and #=112g)
72°06S 4°24E G Kaye Crest	480 MY(714d)KA6 WR Migmatite derived from pyroxene schist;--. RAV64 RAV65 (infer=#714g from "Cayeaux Range" in RAV64)
72°06S 4°24E G Kaye Crest	455 MY(714)KA6 WR Granosyenite(charnockite); --. RAV64 RAV65
72°06S 4°24E G Kaye Crest	445 MY(33)KA6 WR Granosyenite (charnockite); --. RAV64 RAV65
72°06S 4°24E G Kaye Crest	420 MY(751)KA6 WR Granosyenite; --. RAV64 RAV65
72°06S 4°24E G Kaye Crest	445 MY(751b)KA6 WR Biotite gneiss from xenolith in granosyenite (charnockite);--. RAV64 RAV65
72°06S 4°24E G Kaye Crest	315 MY(33a)KA6 WR Veined syenite-porphyry (cutting granosyenite);--. RAV64 RAV65
72°00S 4°45E G Thälmann Mountains	410 MY(762a)KA6 WR Veined granite (cutting granosyenite);--. RAV64 RAV65
72°00S 4°45E G Thälmann Mountains	400 MY(725c)KA6 KF Granosyenite; --. RAV64 RAV65
72°03S 4°49E G Luz Range	425 MY(140)KA6 WR Granosyenite (charnockite); --. RAV64 RAV65
72°03S 4°49E G Luz Range	405±15 MY(140)KA2 BT Granosyenite;--. DEU64A (rpted as WR in PIC64; same sample # as WR sample in RAV65)
72°03S 4°49E G Luz Range	450±15 MY(140)RSM2 BT Granosyenite;--. DEU64A (revised to 423 MY by PIC64 using RSM4)
71°S 5°E RM Queen Maud Land	470 MY(#?)K/A WR Morainic loam, 1-3 mm size fraction;--. KRY62 (coords. approx. from CRA70)
71°S 5°E RM Queen Maud Land	550 MY(#?)K/A WR Morainic loam, 1-0.1 mm size fraction;--. KRY62 (coords. approx. from CRA70)
71°S 5°E RM Queen Maud Land	420 MY(#?)K/A WR Morainic loam, less than 0.1 size fraction;--. KRY62 (coords. approx. from CRA70)
71°S 5°E RM Queen Maud Land	520 MY(#?)K/A WR Morainic loam, 1-3 mm size fraction;--. KRY62 (coords. approx. from CRA70)
71°52S 5°24E G Buddenbrock Range	455 MY(34a)KA6 WR Subalkaline skialithic migmatite; --. RAV64 RAV65
71°20S 7°35E* Marble Nunatak	515 MY(152g)KA16 MC Greisenized pegmatite vein; --. DEU64A PIC64 RAV65 (*coords. taken from listing in Atlas Antarktiki I; rpted as 540 MY,KA6, in RAV65)
71°20S 7°35E* Marble Nunatak	485±15 MY(152g)RSM2 MC Greisenized pegmatite vein; --. DEU64A PIC64 (*coords. taken from listing in Atlas Antarktiki I; revised to 455 MY, RSM4, in PIC64)
71°53S 8°55E G Kurze Mountains	445 MY(155a)KA6 WR Veined pegmatite (cutting granosyenite);--. RAV64 RAV65
71°57S 9°23E G (Gagarin Mountains)	415 MY(153)KA6 WR Granosyenite;--. RAV64 RAV65 (loc. given as "Gagarin Ridge" in RAV65 and "Gagarin Range" in RAV64)

71°50S 9°40E G Conrad Mountains	463 MY(31)KA16 WR Migmatite derived from pyroxene schist;--. STA60 PIC63 RAV65 (rpted as 480 MY using KA6 in RAV65 and STA60)
71°50S 9°40E G Conrad Mountains	386 MY(31b)KA16 WR Veined pegmatite (cutting granosyenite;--. STA60 PIC63 RAV65 (rpted as 400 MY using KA6 in RAV65 and STA60)
71°50S 9°40E G Conrad Mountains	434 MY(31e)KA16 WR Veined biotite granite; --. STA60 PIC63 RAV65 (rpted as 450 MY using KA6 in RAV65 and STA60)
71°50S 9°40E G Conrad Mountains	405 MY(31g)KA16 WR Veined biotite granite; --. STA60 PIC63 RAV65 (rpted as 420 MY using KA6 in RAV65 and STA60)
71°50S 9°40E G Conrad Mountains	443 MY(512)KA16 WR Porphyroblastic granite; --. STA60 PIC63 (rpted as 460 MY using KA6 in STA60)
71°50S 9°40E G Conrad Mountains	395 MY(559c)KA16 WR Biotite granite;--. STA60 PIC63 (rpted as 410 MY using KA6 in STA60)
71°50S 9°40E G Conrad Mountains	400 MY(263c)KA16 WR Syenite porphyry;--. STA60 PIC63 (rpted as 415 MY using KA6 in STA60)
71°45S 10°18E G Mount Dallmann	470 MY(755h)KA6 WR Migmatized schist;--. RAV64 RAV65 (infer=#755z from "Dalmann Mountains" in RAV64)
71°51S 10°32E G Shcherbakov Range	435 MY(184)KA6 WR Migmatite derived from garnet-biotite gneiss;--. RAV64 RAV65 (loc.="Shcherbakov Ridge" in RAV65)
71°51S 10°32E G Shcherbakov Range	490 MY(180)KA6 WR Granosyenite (charnockite); --. RAV65 RAV65 (loc.="Shcherbakov Ridge" in RAV65)
71°45S 11°30E G Humboldt Mountains	650 MY(831d)KA6 WR Diopside-phlogopite rock; --. RAV65 RAV65
71°45S 11°30E G Humboldt Mountains	485 MY(811n)KA6 WR Veined pegmatite;--. RAV64 RAV65 (infer=#811i in RAV72)
71°45S 11°30E G Humboldt Mountains	475 MY(54c)KA6 BT Pegmatite vein;--. RAV64 RAV65 (infer=#54v in RAV64 and RAV72)
71°45S 11°30E G Humboldt Mountains	465 MY(821c)KA6 WR Quartz-diorite;--. RAV64 RAV65 (rpted as #821v in RAV64)
71°45S 11°30E G Humboldt Mountains	460 MY(826)KA6 WR Quartz diorite-syenite; --. RAV65 RAV65
71°45S 11°30E G Humboldt Mountains	450 MY(836a)KA6 WR Quartz diorite-syenite; --. RAV64 RAV65 (infer=#836 in RAV72)
70°45S 11°35E R Schirmacher Hills	2225±130 BP(Mo-255)14C1 SE Skin of seal mummy, partly buried in sand, on moraine. VIN66 (loc.=8 km W-NW of sta. Novo-Lazarevskaya)
70°45S 11°40E G Schirmacher Hills	386 MY(28)KA16 WR Pegmatite (quartz-feldspar); --. STA60 PIC63 RAV65 (rpted as 400 MY using KA6 in RAV65 and STA60)
70°45S 11°40E G Schirmacher Hills	845 MY(866c)KA6 WR Slightly migmatized pyroxene-amphibole schist;--. RAV65
70°45S 11°40E G Schirmacher Hills	830 MY(867a)KA6 WR Slightly migmatized pyroxene-amphibole schist;--. RAV65
70°45S 11°40E G Schirmacher Hills	690 MY(866)KA6 WR Migmatized biotite-amphibole schist;--. RAV65

70°45S 11°40E G Schirmacher Hills	490 MY(863)KA6 WR Migmatized biotite-amphibole schist;--. RAV65
70°45S 11°40E G Schirmacher Hills	460 MY(885)KA6 WR Augen migmatite derived from plagioclase gneiss;--. RAV65
70°45S 11°40E G Schirmacher Hills	376 MY(34)KA16 WR Cataclastic migmatized garnet-biotite gneiss;--. RAV60 PIC63 (rpted as 390 MY using KA6 in RAV60)
70°45S 11°50E R Schirmacher Hills	640 MY,623 MY,651 MY,--(378X)UTP AT Pegmatite; Precambrian crystalline basement. GRE83 (concordant near 630 MY)
70°45S 11°50E R Schirmacher Hills	c.1500 MY(395B)UTP2C ZR Quartzo-feldspathic gneiss; Precambrian crystalline basement. GRE83 ("rough" date is UI if LI=630 MY)
72°30S 12°00E G "Leningrad Mountains" Queen Maud Land	415 MY(38)KA6 WR Migmatite derived from garnet-biotite gneiss;--. RAV64 RAV65
72°30S 12°00E G "Leningrad Mountains" Queen Maud Land	435 MY(141)KA6 WR Granosyenite (charnockite); --. RAV64 RAV65
72°30S 12°00E G "Leningrad Mountains" Queen Maud Land	450 MY(134)KA6 WR Subalkaline skialithic migmatite; --. RAV64 RAV65
72°30S 12°00E G "Leningrad Mountains" Queen Maud Land	365 MY(141e)KA6 KF Granosyenite; --. RAV64 RAV65
72°30S 12°00E G "Leningrad Mining Institute Mountains" Queen Maud Land	435 MY(196)KA6 WR Granosyenite (charnockite); --. RAV64 RAV65
72°30S 12°00E G "Leningrad Mining Institute Mountains" Queen Maud Land	500 MY(196p)KA6 WR Biotite gneiss from xenolith in granosyenite (charnockite);--. RAV64 RAV65
72°30S 12°00E G "Belolikov Rocks" Queen Maud Land	445 MY(199k)KA6 WR Biotite schist from xenolith in microcline granite;--. RAV64 RAV65
71°43S 12°00E M Humboldt Mts/ Petermann Ranges	465 MY(93)K/A WR Weakly feldspathized gabbroid; --. RAV72 (constants probably = KA6 as in RAV65)
71°43S 12°00E M Humboldt Mts/ Petermann Ranges	400 MY(44)K/A WR Biotitized gabbroid;--. RAV72 (constants probably = KA6 as in RAV65)
71°43S 12°00E M Humboldt Mts/ Petermann Ranges	390 MY(36)K/A WR Feldspathized gabbro-diorite; --. RAV72 (constants probably = KA6 as in RAV65)
71°43S 12°00E M Humboldt Mts/ Petermann Ranges	460 MY(34)K/A WR Feldspathized gabbro-diorite; --. RAV72 (constants probably - KA6 as in RAV65)
71°43S 12°00E M Humboldt Mts/ Petermann Ranges	360 MY(38a)K/A WR Porphyroblastic granosyenite; --. RAV72 (constants probably = KA6 as in RAV65)
71°43S 12°00E M Humboldt Mts/ Petermann Ranges	400 MY(38)K/A WR Porphyroblastic granosyenite; --. RAV72 (constants probably = KA6 as in RAV65)

71°43S 12°00E M Humboldt Mts/ Petermann Ranges	390 MY(41)K/A WR 'Giant-grained' porphyroblastic granosyenite;--. RAV72 (constants probably = KA6 as in RAV65)
71°35S 12°20E G Wohlthat Mountains	530 MY(809m)KA6 PG Diopside-phlogopite rock; --. RAV64 RAV65 (loc. given as "Wohlthat Massif")
71°40S 12°20E G (Petermann Ranges)	505±20 MY(809)KA16 PG Granosyenite;--. DEU64A PIC64 (#=809m, dscrpt="altered calciphyre" in PIC64; may be same as #809m from Wohthal Mountains; loc. given as "Petermann Mountains")
71°40S 12°20E G (Petermann Ranges)	505±15 MY(809)RSM2 PG Granosyenite;--. DEU64A (#=809m, dscrpt="altered calciphyre" in PIC64; may be same as #809m from Wohlthat Mts; loc.= "Petermann Mountains"; rev. to 470 MY,RSM4,PIC64)
72°00S 13°30E G Weyprecht Mountains	490 MY(796a)KA6 WR Skialithic granite derived from pyroxene plagioclase-gneiss;--. RAV64 RAV65
71°25S 15°31E G Vorposten Peak "1"	443 MY(16d)KA16 WR Veined plagioclase granite; --. STA60 PIC63 RAV65 (rpted as 460 MY using KA6 in RAV65 and STA60)
71°25S 15°31E G Vorposten Peak"1"	405 MY(254a)KA16 WR Veined granite; --. STA60 PIC63 RAV65 (rpted as 420 MY using KA6 in RAV65 and STA60)
71°25S 15°31E G Vorposten Peak "1"	463 MY(253c)KA16 WR Diopside-phlogopite rock; --. STA60 PIC63 RAV65 (rpted as 480 MY using KA6 in RAV65 and STA60)
71°25S 15°31E G Vorposten Peak "2"	458 MY(17c*)KA16 WR Migmatite derived from pyroxene schist;--. STA60 PIC63 RAV65 (rpted as 475 MY using KA6 in RAV65 and STA60; *infer sample # "19b" in RAV65 is typo. error)

GEOGRAPHIC AREA 18:	QUEEN MAUD LAND, VICINITY OF SØR RONDANE AND BELGICA MOUNTAINS (samples from west to east by coordinates)
72°05S 18°37E* Zhelannya Mountain	448 MY(19b)KA16 WR Amphibole-plagioclase gneiss; --. STA60 PIC63 (*coords. taken from listing in Atlas Antarktiki I: (rpted as 265 MY using KA6 in STA60)
72°04S 23°24E G Viking Heights	790±15 MY,814±25 MY,875±45 MY(ANT5)UP2 ZR Embrechitic gneiss; Teltet-Vengen group. PAS68 VAN72
72°06S 23°39E R Gunnestad Glacier	512±20 MY,524±20 MY,575±10 MY(GB)UP3 ZR Granite of intrusive type;--. PIC64A VAN69 (infer= #3 in DEU64A)
72°06S 23°39E R Gunnestad Glacier	474±15 MY(GB)RSM2 BT Granite of intrusive type (erratic boulder);--. PIC64A VAN69 (rev. to 445 MY, RSM4, in PIC64; appears to be same as 435 MY sample in PIC63 and #3 in DEU64A)
72°06S 23°39E R Gunnestad Glacier	472±14 MY(GB)RSM2 BH Granite of intrusive type (erratic boulder);--. PIC64A VAN69 (rev. to 443 MY, RSM4, in PIC64)
72°06S 23°39E R Gunnestad Glacier	480±160 MY(GB)RSM2 FD Granite of intrusive type (erratic boulder);--. PIC64A VAN69 (rev. to 451 MY, RSM4, in PIC64; infer SM= zircon in DEU64A is typo. error)
72°06S 23°39E R Gunnestad Glacier	350 MY(GB)KA16 WR Granite of intrusive type (erratic boulder);--. PIC64A VAN69
71°42S 23°40E G Vesthaugen Nunatak	526±10 MY,523±16 MY,505±40 MY(ANT 3)UP2 ZR Monzonite; --. PAS68
71°31S 24°00E Mount Romnaes	514±20 MY,518±20 MY,540±10 MY(R1a)UP3 ZR Porphyroblastic granite, intrusive type;--. PIC64A VAN69 (sample # given as "R-1" in DEU64A)
71°31S 24°00E R Mount Romnaes	476±15 MY(R1)RSM2 BT Porphyroblastic granite of intrusive type;--. PIC64A VAN69 (age=478 MY, revised to 454 MY, RSM4, in PIC63; age=480 MY in DEU64A, rev. to 451 MY, RSM4, PIC64)
71°31S 24°00E R Moutn Romnaes	485±15 MY(R1a)RSM2 BT Porphyroblastic granite of intrusive type;--. PIC64A VAN69 (age=473 MY, revised to 449 MY,RSM4, in PIC63)
71°31S 24°00E R Mount Romnaes	465±15 MY(91R)RSM2 BT Pegmatite vein in granite; --. PIC64A VAN69 (age revised to 442 MY,RSM4, in PIC63)
71°31S 24°00E R Mount Romnaes	350 MY(R1a)KA16 WR Porphyroblastic granite of intrusive type;--. PIC64A VAN69
72°00S 24°39E R Luncke Range	488±15 MY(21c)RSM2 BT Syenite;--.. PIC64A VAN69 (rev. to 460 MY,RSM4, in PIC64; loc. between peak 2380 and peak 2750)
72°02S 24°42E G Luncke Range	607±12 MY,608±25 MY,610±100 MY(ANT 1 A)UP2 ZR Intrusive microcline granite;--. PAS68
72°02S 24°42E G Luncke Range	494±10 MY,510±18 MY,580±60 MY(ANT 1 B)UP2 ZR Intrusive microcline granite;--. PAS68
72°02S 24°42E G Luncke Range	960±20 MY,953±25 MY,935±50 MY(ANT 4)UP2 ZR Tonalite gneiss; Nils Larsenfjellet Gp. PAS68 VAN72
71°29S 25°14E R Nordtoppen Nun. 1100	476±15 MY(S9a)RSM2 BT Gneiss xenolith; in Smahausane gabbro-diorite. PIC64A VAN69 (rev. to 452 MY, RSM4, in PIC63)

71°29S 25°14E R Nordtoppen Nun. 1100	481±15 MY(S9b)RSM2 BT Gneiss xenolith; in Smahausane gabbro-diorite. PIC64A VAN69 (rev. to 457 MY, RSM4, in PIC63)
71°29S 25°14E R Nordtoppen Nun. 1100	495±15 MY(S96)RSM2 BT Biotitic segregation in gneiss xenolith; in Smahausane gabbro-diorite. PIC64A VAN69 (rev. from 493 MY to 468 MY, RSM4, in PIC63
71°29S 25°14E R Nordtoppen Nun. 1100	555±20 MY,555±55 MY,550±150 MY(S9)UP2 ZR Gneiss xenolith; in Smahausane gabbro-diorite. PIC64A PIC64 VAN69
71°47S 25°15E R Austkampane Hills	492±15 MY(K16)RSM2 BT Banded muscovite-biotite- corundum gneiss;--. PIC64A VAN69 (age rev. to 463 MY, RSM4, in PIC64; infer= 486 MY sample rev. to 462MY in PIC63)
71°47S 25°15E R Austkampane Hills	499±15 MY(K16)RSM2 MC Banded muscovite-biotite- corundum gneiss;--. PIC64A VAN69 (age rev. to 469 MY, RSM4, in PIC64)
71°47S 25°15E R Austkampane Hills	519±15 MY(K16)RSM2 MC Banded muscovite-biotite- corundum gneiss;--. PIC64A VAN69 (age rev. to 488 MY, RSM4, in PIC64)
71°47S 25°15E R Austkampane Hills	452 MY(K16)RSM4 MC Muscovite-biotite-corundum gneiss;--. PIC63 VAN69 (appears to be prelim. result for one of other K16 samples from this loc.)
71°29S 25°17E R Nordtoppen Nun. 950	463±15 MY(S20a)RSM2 BT Granite dike; in Smahausane gabbro-diorite. PIC64A VAN69 (infer=unlabelled 462 MY sample rev. to 439 MY, RSM4, in PIC3; infer=#"950", 465±15 MY in DEU64A and #"S96", 439 MY, in PIC64)
71°29S 25°17E R Nordtoppen Nun. 950	510±20 MY,508±20 MY,500±30 MY(s20a)UP3 ZR Granite dike; in Smahausane gabbro-diorite. PIC64A VAN69 (infer= #"S96" in PIC64 and #"950" in DEU64A)
71°29S 25°17E R Nordtoppen Nun. 950	495 MY(#?)P/P ZR Granite vein;--. PIC63 VAN69 (appears to be prelim. result for S20a from this loc. later rpted in PIC64A)
71°29S 25°17E R Nordtoppen Nun. 950	380±15 MY(S20a)KA16 WR Granite dike; in Smahausane gabbro-diorite. DEU64A PIC64A VAN69 (infer=#"950" in DEU64A and #"S96" in PIC64)
71°35S 25°21E R "Nunatak 1180" Smahausane Nunataks	460±15 MY(S12)RSM2 BT Quartz diorite; Smahausane gabbro-diorite. PIC64A VAN69 (age=458 MY revised to 435 MY, RSM4, in PIC63)
71°35S 25°21E R "Nunatak 'Solveig'" Smahausane Nunataks	460±15 MY(S18)RSM2 BT Diorite; Smahausane gabbro-diorite. PIC64A VAN69 (infer=S18b, 457 MY rev. to 434 MY, RSM4, in PIC63)
71°35S 25°21E R "Nunatak 1180" Smahausane Nunataks	475 MY(S12)KA16 WR Quartz diorite; Smahausane gabbro-diorite. PIC64A VAN69 (age=470±20 MY in DEU64A and 500 MY in PIC66)
71°35S 25°21E R "Nunatak 1180" Smahausane Nunataks	501±15 MY(S17)RSM2 BT Granite dike; in Smahausane gabbro-diorite. PIC64A VAN69 (rev. to 476 MY, RSM4, in PIC64)
71°35S 25°21E R "Nunatak 1180" Smahausane Nunataks	488±15 MY(S17)RSM2 BT Granite dike; in Smahausane gabbro-diorite. PIC64A VAN69 (rev. to 459 MY,RSM4, in PIC64)

71°52S 25°36E R E spur, Strandrud Mt.	457±15 MY(T7)RSM2 BT Migmatitic gneiss;--. PIC64A VAN69 (age=455 MY revised to 432 MY, RSM4, in PIC63)
71°52S 25°36E R E spur, Strandrud Mt.	483±15 MY(T4)RSM2 BT Fine-grained pink granite; intrusive into gneiss series. PIC64A VAN69 (rev. to 459 MY, RSM4, in PIC63)
71°52S 25°36E R E spur, Strandrud Mt.	460±90 MY(T4)RSM2 FD Fine-grained pink granite; intrusive into gneiss series. PIC64A VAN69 (rev. to 433 MY, RSM4, in PIC64)
71°52S 25°36E R E spur, Strandrud Mt.	488 MY,548 MY,464 MY,503 MY(T4)RSM2 WR Fine-grained pink granite; intrusive into gneiss. PIC64A VAN69 (avg. age=500±50 MY in PIC64A; ages rev. to 459 MY 515 MY, 436 MY, 473 MY using RSM4 in PIC64; avg.(?) age=510 MY rev. to 482 MY, RSM4, in PIC63)
71°52S 25°36E G Strandrud Mountain	552±10 MY,564±17 MY,610±45 MY(ANT 6 A)UP2 ZR Anatectic microcline granite; Teltet-Vengen Gp. PAS68 VAN72
71°52S 25°36E G Strandrud Mountain	521±10 MY,534±20 MY,590±65 MY(ANT 6 B)UP2 ZR Anatectic microcline granite; Teltet-Vengen Gp. PAS68 VAN72
71°52S 25°36E G Strandrud Mountain	979±20 MY,972±35 MY,950±70 MY(ANT 7 A)UP2 ZR Granitic gneiss; Teltet-Vengen Gp. PAS68 VAN72
71°52S 25°36E G Strandrud Mountain	609±12 MY,639±18 MY,745±35 MY(ANT 7 B)UP2 ZR Granitic gneiss; Teltet-Vengen Gp. PAS68 VAN72
71°52S 25°36E G Strandrud Mountain	777±15 MY,1026±35 MY,1610±55 MY(ANT 8 A)UP2 ZR Granodioritic gneiss; Teltet-Vengen Gp. PAS68 VAN72
71°47S 25°36E R Strandrud Mountain	715±15 MY,896±20 MY,1378±20 MY(ANT 8 B)UP2 ZR Granodioritic gneiss; Teltet-Vengen Gp. PAS68 VAN72
71°52S 25°36E G Strandrud Mountain	570-2700 MY(ANT 8)UP2C2 ZR Granodioritic gneiss; Teltet-Vengen Group. PAS68 VAN72
71°52S 25°36E G Strandrud Mountain	540±75 MY(ANT 6)RS3I2 WR,KF,AP Anatectic microcline granite; Teltet-Vengen Group. PAS68 VAN72
71°58S 25°57E R Bautaen Peak	497±15 MY(A3)RSM2 BT Fine-grained pink granite (fallen block);--. PIC64A VAN69 (age rev. to 472 MY, RSM4, in PIC63 and to 467 MY, RSM4, in PIC64)
71°58S 25°57E R Bautaen Peak	506±15 MY(A3)RSM2 BT Fine-grained pink granite (fallen block);--. PIC64A VAN69 (age rev. to 481 MY, RSM4, in PIC63 and to 476 MY, RSM4, in PIC64)
71°58S 25°57E R Bautaen Peak	475±60 MY(A3)RSM2 FD Fine-grained pink granite (fallen block);--. PIC64A VAN69 (age rev. to 446 MY, RSM4, in PIC64)
71°58S 25°57E R Bautaen Peak	478±60 MY (A3)RSM2 FD Fine-grained pink granite (fallen block);--. PIC64A VAN69 (age rev. to 450 MY, RSM4, in PIC64)
71°58S 25°57E R Bautaen Peak	553 MY,650 MY,585 MY(A3)RSM2 WR Fine-grained pink granite (fallen block);--. PIC64A VAN69 (avg. age given as 593±60 MY in PIC64A; ages rev. to 520 MY, 611 MY, and 550 MY, RSM4, in PIC64)
71°58S 25°57E R Bautaen Peak	475 MY(A3)RSM4 WR Fine-grained microcline granite; --. PIC63 VAN69 (appears to be a prelim. result superseded by other A3 results from this loc.)

72°11S 26°18E R Isachson Mountain	493±15 MY(G13)RSM2 BT Coarse pegmatite (fallen block);--. PIC64A VAN69 (age rev. to 468 MY, RSM4, in PIC64)
72°11S 26°18E R Isachson Mountain	517±15 MY(G6)RSM2 BT Migmatitic gneiss; --. PIC64A VAN69 (age rev. to 491 MY, RSM4, in PIC64)
72°11S 26°18E R Isachson Mountain	440±15 MY(G6)RSM2 WR Migmatitic gneiss; --. DEU64A PIC64A VAN69
71°40S 27°26E R Trillingane Nun. 2240	473±15 MY(Tr7)RSM2 BT Dioritic gneiss-migmatite; --. PIC64A VAN69 (age rev. from 471 MY to 447 MY, RSM4, in PIC63)
71°40S 27°26E R Trillingane Nun. 1240	476±15 MY(Tr12)RSM2 BT Concordant pegmatite in migmatitic gneiss;--. PIC64A VAN69 (age rev. from 474 MY to 450 MY, RSM4, in PIC63)
72°35S 31°15E G cen. NW massif, Belgica Mountains	442±22 MY(A79121411)KA17 WR Pyroxenite dike; Belgica Group. KOJ82
72°35S 31°15E G N. end, NW massif, Belgica Mountains	401±20 MY(A79121504)KA17 WR Hornblende-biotite gneiss; Belgica Group. KOJ82
72°35S 31°15E G cen. SE Massif, Belgica Mountains	386±19 MY(K79121914)KA17 WR Pink granite dike; Belgica Group. KOJ82
72°35S 31°15E G NW part, SW massif, Belgica Mountains	382±19 MY(K79122014)KA17 WR Granitic gneiss; Belgica Group. KOJ82
72°35S 31°15E G cen. part, NW massif, Belgica Mountains	472±24 MY(A79122401)KA17 WR Hornblende-biotite gneiss; Belgica Group. KOJ82
72°32S 31°15E G N. Mt. Bastin	411±21 MY(K79122607)KA17 WR Syenite dike; Belgica Group. KOJ82

GEOGRAPHIC AREA 19: QUEEN MAUD LAND, EAST OF THE BELGICA MOUNTAINS
(samples from west to east by coordinates)

71°22S 35°29E R Queen Fabiola Mts.	486±15 MY(YD218)RSM2 BT Granitic gneiss; --. PIC64 PIC66 TAT69 (age rev. to 457 MY, RSM4, in PIC64)
71°30S 35°40E G Yamato Mountains	383 MY(A-08)RSM2/0.7115 FD Gneissic rock; --. MAE68
71°30S 35°40E G "Massif C" Yamato Mountains	363±18 MY(74121709)KA17 WR Augen gneiss; Precambrian basement. YAN82
71°30S 35°40E G "Massif C" Yamato Mountains	400±20 MY(K79112910)KA17 WR Syenite; Precambrian basement. YAN82
71°30S 35°40E G "Massif C" Yamato Mountains	359±18 MY(A79120102)KA17 WR Syenite; Precambrian basement. YAN82
71°30S 35°40E G "Massif C" Yamato Mountains	363±18 MY(N79120112)KA17 WR Syenite; Precambrian basement. YAN82
69°S 39°E RM E. Lutzow Holm Bay	526 MY(A-10)RSM2/0.7115 BT Gneissic rock; --.MAE68 (exact sample site not shown on RM)
69°38S 39°23E R Skallen Hills	530±16 MY(JARE 57102622)RSM1 BT Granitic pegmatite in pyroxene gneiss; --. NIC61 TAT69
69°38S 39°23E R Skallen Hills	485±5 MY,468±16 MY,375±29 MY,458±26 MY(#?)UTP4 EX Granitic pegmatite in pyroxene gneiss; --. SAI61 NIC61 TAT69 (sample from same pegmatite as JARE 57102622)
69°01.5S 39°28E R Kurumi Island	539 MY(A-4 68090706)KA11 BT Garnet-biotite plagioclase rock; --. YAN74
69°01.5S 39°28E R Kurumi Island	515 MY(A-4 68090706)KA11 BT Garnet-biotite plagioclase rock; --. YAN74
69°00S 39°30F R East Ongul Island	467 MY(A-7 68091201-1)KA11 PG Eclogite: basement rocks. YAN74 YAN74A
69°01S 39°30E R West Ongul Island	560 MY(A-8 68022002)KA11 BT Biotite gneiss; basement rocks. YAN74 YAN74B
69°01S 39°32E R Ongul Island	500±30 MY(JARE 57122307)RSM1 BT Small BT-rich mass in charnockite lens in gneiss; --. NIC61 TAT69 (rev. to 570 MY, RSM4, in PIC63)
69°01S 39°32E G West Ongul Island	25,840±2450 BP(#?)14C SH Adamussium colbecki, step landform or raised beach, 3.5 m a.s.l.; --. OMO77 (date from Dr. Nogami, pers. comm.)
69°01S 39°32E G West Ongul Island	GT 31,510 BP(#?)14C SH Laternula elliptica, step landform or raised beach, 2.5 m a.s.l.; --. OMO77 (date from Dr. Nogami, pers. comm.)
69°01S 39°32E G West Ongul Island RM	508 MY(A-02)RSM2/0.7115 BT Gneissic rock; basement rocks. MAE68 YAN74B
69°01S 39°32E G West Ongul Island RM	465 MY(A-05)RSM2/0.7115 BT Gneissic rock; basement rocks. MAE68 YAN74B
69°01S 39°32E G West Ongul Island RM	726 MY(A-02)RSM2/0.7115 KF Gneissic rock; basement rocks. MAE68 YAN74B
69°01S 39°32E G N part, West Ongul I.	930±90 BP(GaK-5832)14C2 SH Adamussium colbecki, below 8 m a.s.l.; --. YOS83

69°01S 30°32.5E R West Ongul Island	399 MY(A-9 68022014)KA11 BT Microcline-biotite granite; basement rocks. YAN74 YAN74B
69°29S 39°33E AR Skarvsnes	363 MY(AS)KA12 WR Garnet-biotite gneiss; --. KAN68 (infer λ/β=4.72x10^{-10} yr^{-1})
69°26'36.5"S 39°33'15"E R Lake Funazoko	3200±130 BP(Th-051)14C2 Shell fragments, shore terrace deposits. OMO76
69°26'36.5"S 39°33'15"E R W, Funazoko-ike (Pond)	4830±150 BP(TH-054)14C2 SH Laternula elliptica, 1.7 m. below surface of shore terrace (or tidal delta terrace). OMO76
69°01.5S 39°33.5E R West Ongul Island	485 MY(A-11 68022609)KA11 BT Hornblende gneiss; basement rocks. YAN74 YAN74B
69°26S 39°34E R Skarvsnes Foreland	510±30 MY(JARE 57110704)RSM1 BT Granitic pegmatite in pyroxene gneiss; --. NIC61 TAT69 (age rev. to 479 MY, RSM4, in PIC63)
69°27S 39°34E M Lake Hunazoko	3530±130 BP(#?)14C SH Laternula elliptica, step landform or raised beach, -1.4 m a.s.l.; --. OMO77 (date from Dr. Nogami, pers. comm.)
69°27S 39°34E M Lake Hunazoko	3120±110 BP(#?)14C SH Laternula elliptica, step landform or raised beach, -3.8 m a.s.l.; --. OMO77 (date from Dr. Nogami, pers. comm.)
69°27S 39°34E M Lake Hunazoko	2510±110 BP(#?)14C SH Laternula elliptica, step landform or raised beach, -6.0 m a.s.l.; --. OMO77 (date from Dr. Nogami, pers. comm.)
69°27S 39°34E M Lake Hunazoko	2000±120 BP(#?)14C SH Laternula elliptica, step landform or raised beach, -10.4 m a.s.l.; --. OMO77 (date from Dr. Nogami, pers. comm.)
69°27S 39°34E M Lake Hunazoko	4540±210 BP(#?)14C SH Laternula elliptica, step landform or raised beach, -19.6 m a.s.l.; --. OMO77 (date from Dr. Nogami, pers. comm.)
69°27S 39°34E M Lake Hunazoko	3200±130 BP(#?)14C SH Laternula elliptica, step landform or raised beach, -22.8 m a.s.l.; --. OMO77 (date from Dr. Nogami, pers. comm.)
69°01S 39°34E G Kaino-hama Beach, East Ongul Island RM	3840±110 BP(#?)14C SH Adamussium colbecki, gravelly sand, surface of raised beach, 3-4 m a.s.l.; --. MEG64 YAN74A
69°01S 39°34E G Kitami Beach, East Ongul Island RM	GT 30,000 BP(#?)14C SH Fragments of mollusca, raised beach, 5-6 m a.s.l.; --. MEG64 YAN74A
69°01S 39°34E G Kitami Beach, East Ongul Island RM	25,400±1200 BP(GaK-285)14C2 SH Fragments of mollusca, raised beach, 7-8 m a.s.l.; --. MEG64 KIG64 YAN74A
69°01S 39°34E G Kitami Beach, East Ongul Island RM	34,000+3000-2000 BP(GaK-286)14C2 SH Fragments of mollusca, raised beach, 12 m a.s.l.; --. MEG64 KIG64 YAN74A
69°01S 39°34E G Kitami Beach, East Ongul Island RM	22,800±1000 BP(GaK-287)14C SH Fragments of mollusca, raised beach, 9-10 m a.s.l.; --. MEG64 KIG64 YAN74A
69°01S 39°34E G Kitami Beach, East Ongul Island RM	29,500±2400-1800 BP(GaK-288)14C2 SH Fragments of mollusca, raised beach 3-4 m a.s.l.;--. MEG64 KIG64 YAN74A
69°01S 39°34E G Kitami Beach, East Ongul Island RM	31,200+2500-1900 BP(GaK-289)14C2 Tests of benthonic foraminifera mixed with echinoid spines, raised beach, 7-8 m a.s.l.; --. MEG64 KIG64 YAN74A

69°27S 39°34E M Lake Hunazoko	4190+100 BP(GaK-2037)14C2 SH Laternula elliptica, raised shore line, -23 m a.s.l.; --. YOS70 YOS83
69°27S 39°34E M Lake Hunazoko	31,600+2800-2100 BP(GaK-2036)14C2 SH Fragments of mollusca, raised shoreline, 8 m a.s.l.; --. YOS70 YOS83
69°27S 39°34E M SW coast,Lake Hunazoko	2540±160 BP(GaK-5834)14C2 SH Laternula elliptica, 4 m a.s.l.; --. YOS83
69°00'29"S 39°34'30"E R Kitamihama	1450+110 BP(TH-021)14C2 SH Adamussium colbecki, about 2 m a.s.l.;--. OMO74
69°00'29"S 39°34'30"E R Kitamihama	2510±110 BP(N-925)14C2 SH Adamussium colbecki, about 2 m a.s.l.; --. OMO74 (same sample as TH-021)
69°01S 39°35E AR East Ongul Island	387 MY(AO2)KA12 WR Biotite-hornblende gneiss; --. KAN68 (infer $\lambda\beta$=4.72x10^{-10}yr^{-1})
69°01S 39°35E AR East Ongul Island	350 MY(AO2)KA12 FD,QZ Biotite-hornblende gneiss; --. KAN68 (infer $\lambda\beta$=4.72x10^{-10}yr^{-1})
69°00S 39°35E R East Ongul Island	517 MY(A-2 68032704)KA11 PG Pyroxenite; basement rocks. YAN74 YAN74A
69°00S 39°35E R East Ongul Island	533 MY(A-3 68091201-2)KA11 PG Hornblendite; basement rocks. YAN74 YAN74A
69°01S 39°35E G East Ongul Island	3340±90 BP(GaK-3664)14C2 Calcareous algae, high tide level; --. OMO74 YOS83 (date from Dr. T. Hoshiai, pers. comm.)
69°01S 39°35E G East Ongul Island	3540±90 BP(GaK-3665)14C2 Calcareous algae, 1 m. above GAK-3664; --. OMO74 YOS83 (date from Dr. T. Hoshiai, pers. comm.)
69°00S 39°35E M N part, East Ongul I.	5850±100 BP(GaK-2032)14C2 SH Fragments of mollusca, raised shoreline, 16 m a.s.l.; --. YOS70 YOS83
69°00S 39°35E G Mizukumi Stream, East Ongul Island	30,700±2000 BP(GaK-2033)14C2 SH Fragments of mollusca, raised shoreline, 12 m a.s.l.; --. YOS70 YOS83
69°30S 39°35E M SW part, Skarvsnes	3180±250 BP(GaK-2039)14C2 SH Laternula elliptica, shore or inlet, 0.5 m a.s.l.; --. YOS70 YOS83
69°28S 39°35E M Kizahashi Beach	3600±100 BP(GaK-2035)14C2 SH Adamussium colbecki, raised shoreline, 1.8 m a.s.l.; --. YOS70 YOS83
69°28S 39°35E G Kizahashi Beach	4700±100 BP(GaK-2034)14C2 SH Adamussium colbecki, raised shoreline, 8 m a.s.l.; --. YOS70 YOS83
69°01S 39°35E G East Ongul Island	2400±90 BP(#?)14C2 SH Adamussium colbecki, -9 m. a.s.l.; --. YOS83
69°28S 39°35E G Kizahashi Beach	5580±180 BP(GaK-5835)14C2 SH Laternula elliptica, 11 m a.s.l.; --. YOS83
69°01S 39°35E AR East Ongul Island	421 MY(AO2)KA12 BH Biotite-hornblende gneiss; --. KAN68 (infer $\lambda\beta$ = 4.72x10^{-10}yr^{-1})
69°28S 39°36E RM Skarvsnes	1800 MY(3020204)RSM3/0.7037 WR Pyroxene gneiss; crystalline basement. SHI83
69°26S 39°37E RM E. Lutzow-Holm Bay	745 MY(A-04)RSM2/0.7115 KF Gneissic rock; --. MAE68

69°29S 39°37.5E R near Suribachi-ike	6020±175 BP(TH-020)14C2 SH Laternula elliptica, about 14 m a.s.l.; --. OMO74
69°29S 39°37.5E R near Suribachi-ike	7450±135 BP(N-926)14C2 SH Laternula elliptica, about 14 m a.s.l.; --. OMO74 (same sample as TH-020)
69°13S 39°38E R Langhovde Hills	525±40 MY(JARE 57112001)RSM1 BT Granitic pegmatite in granitic gneiss; --. NIC61 TAT69 (age rev. to 494 MY, RSM4, in PIC63)
69°27S 39°38E RM Skarvsnes	1080 MY(3020105)RSM3/0.710 WR Garnet-biotite gneiss; crystalline basement. SHI83
69°27S 39°38E RM Skarvsnes	1060 MY(3020113)RSM3/0.710 WR Garnet-biotite gneiss; crystalline basement. SHI83
69°27S 39°38E RM Skarvsnes	1180 MY(3020113,3020105)RS2I3/0.709 WR Garnet-biotite gneisses; crystalline basement. SHI83 YOS83A
69°11S 39°39E M Lake Zakuro	GT 31,700 BP(#?)14C SH Laternula elliptica, raised beach, -3.4 m a.s.l.; --. OMO77 (date from Dr. Nogami, pers. comm.)
69°11S 39°39E M Lake Zakuro	GT 33,200 BP(#?)14C SH Adamussium colbecki, raised beach, -4.6 m a.s.l.; --. OMO77 (date from Dr. Nogami, pers. comm.)
69°28S 39°39E G Skarvsnes RM	1900 MY PP5I5 WR Pyroxene gneisses; crystalline basement. SHI83 YOS83A (max. age based on a two-stage model)
69°28S 39°39E G Skarvsnes RM	1700 MY PPI5 WR Pyroxene gneisses, garnet-biotite gneisses; crystalline basement. SHI83 (age based on two-stage model; age is speculative)
69°05S 39°40E RM E. Lutzow-Holm Bay	1013 MY(A-23)RSM2/0.7115 KF Gneissic rock; --. MAE68 (date from Dr. Nogami, pers. comm.)
69°11S 39°40E M Ko-minato Inlet	23,830±910 BP(GaK-4148)14C2 SH Laternula elliptica, raised beach, 5-6 m a.s.l.; --. MOR74 ISH76 YOS83 (locality number = Langhovde 03)
69°11S 39°40E M Ko-minato Inlet	4290±90 BP(GaK-4151)14C2 SH Adamussium colbecki, raised beach, 1.5 m a.s.l.; --. MOR74 ISH76 YOS07 (locality number = Langhovde 04; same sample as TH-044 of OMO76)
69°11S 39°40E M Ko-minato Inlet	10,250±210 BP(GaK-4150)14C2 SH Adamussium colbecki, raised beach, 6 m a.s.l.; --. MOR74 ISH76 YOS83 (locality number = Langhovde 07)
69°11S 39°40E M Ko-minato Inlet	GT 33,400 BP(GaK-4149)14C2 SH Laternula elliptica, raised beach, 6 m a.s.l.; --. MOR74 ISH76 YOS83 (locality number = Langhovde 08)
69°10S 39°40E RM* E. Lutzow-Holm Bay	458 MY RS8I2/0.793 BT Gneissic rocks; --. MAE68 (*avg. coords. of sample sites)
69°10S 39°40E RM* E. Lutzow-Holm Bay	1100±100 MY RS6I2/0.704 KF Gneissic rocks; --. MAE68 (*avg. coords. of sample sites)
69°27S 39°40E G S coast, Osen (Cove)	8370±270 BP(GaK-5833)14C2 Worm tubes, 8 m a.s.l.; --. YOS83
69°27S 39°40E G S coast, Osen (Cove)	4430±90 BP(GaK-5841)14C2 SH Laternula elliptica, 6 m a.s.l.; --. YOS83
69°28'57.7"S 39°40'21.2"E R Suribachi-ike (Pond)	5230±155 BP(TH-053)14C2 BN Seal mummy on shore, -32 m a.s.l.; --. OMO76

69°29S 39°41E M Lake Suribachi	5860±170 BP(#?)14C SH Laternula elliptica, step landform or raised beach, 15.5 m a.s.l.; --. OMO77 (date from Dr. Nogami, pers. comm.)
69°29S 39°41E M Lake Suribachi	6630±230 BP(#?)14C Serpuloid tubes, step landform or raised beach 12.0 m a.s.l.; --. OMO77 (date from Dr. Nogami, pers. comm.)
69°29S 39°41E M Lake Suribachi	6700±180 BP(#?)14C SH Laternula elliptica, step landform or raised beach 12.0 m a.s.l.; --. OMO77 (date from Dr. Nogami, pers. comm.)
69°29S 39°41E M Lake Suribachi	5370±160 BP(#?)14C SH Laternula elliptica, step landform or raised beach 11.7 m a.s.l.; --. OMO77 (date from Dr. Nogami, pers. comm.)
69°29S 39°41E M Lake Suribachi	7680±250 BP(#?)14C Serpuloid tubes, step landform or raised beach, 8.0 m a.s.l.; --. OMO77 (date from Dr. Nogami, pers. comm.)
69°29S 39°41E M Lake Suribachi	8130±200 BP(#?)14C SH Laternula elliptica, step landform or raised beach, 4.7 m a.s.l.; --. OMO77 (date from Dr. Nogami, pers. comm.)
69°29S 39°41E M Lake Suribachi	6180±260 BP(#?)14C Serpuloid tubes, step landform or raised beach, 4.5 m a.s.l.;--. OMO77 (date from Dr. Nogami, pers. comm.)
69°29S 39°41E M shore, Lake Suribati	5640±130 BP(GaK-2038)14C2 Tubes of Polychaeta, raised shoreline -30 m a.s.l.;--. YOS70 YOS83
69°29S 39°41E M Lake Suribachi	5870±210 BP(#?)14C Serpuloid tubes, step landform or raised beach, 2.0 m a.s.l.;--. OMO77 (date from Dr. Nogami, pers. comm.)
69°29S 39°41E M Lake Suribachi	5640±130 BP(#?)14C Serpuloid tubes, step landform or raised beach, -30 m a.s.l.; --. OMO77
69°29S 39°41E M S coast, L. Suribati	6090±90 BP(GaK-5840)14C2 Worm tubes, below 6 m a.s.l.; --. YOS83
69°29S 39°41E M S coast, L. Suribati	7830±280 BP(GaK-5837)14C2 Worm tubes, 15±5 m a.s.l.; --. YOS83
69°10'51.9"S 39°41'20"E R Kominato Inlet	3120±110 BP(TH-186)14C2 SH Laternula elliptica, terrace deposits, 3 m a.s.l.; --. OMO78
69°10'51.9"S 39°41'20"E R Kominato (Bay)	3305±130 BP(TH-044)14C2 SH Adamussium colbecki, raised beach. OMO76 (same as sample of MOR74 listed as 4290±90 BP)
69°11S 39°42E RM E. Lutzow-Holm Bay	526 MY(A-09)RSM2/0.7115 BT Gneissic rock; --. MAE68
69°14S 39°44E G Langhovde	3730±220 BP(#?)14C SH Laternula elliptica, raised beach, 5.5 m a.s.l.;--. OMO77 (date from Dr. Nogami, pers. comm.)
69°14S 39°44E G Langhovde	4570±120 BP(#?)14C SH Laternula elliptica, raised beach, 5.1 m a.s.l.;--. OMO77 (date from Dr. Nogami, pers. comm.)
69°14S 39°44E G Langhovde	1030±100 BP(#?)14C SH Laternula elliptica, raised beach, 1.4 m a.s.l.;--. OMO77 (date from Dr. Nogami, pers. comm.)
69°14S 39°44E G Langhovde	2000±220 BP(#?)14C2 SH Fragments of mollusca, 2 m a.s.l.;--. YOS83 (infer = 2000±220 BP undescribed sample from Oyayubi Island in MOR74 and OMO77)

69°31S 39°44E M southernmost Skarvsnes	3370±120 BP(GaK-5836)14C2 SH Laternula elliptica, 3 m a.s.l.; --. YOS83
69°16S 39°45E M Simo-kama Cove, Langhovde	3840±90 BP(GaK-4850)14C2 SH Laternula elliptica, raised beach deposit, 1.5 m a.s.l.;--. ISH74 ISH76 YOS83
69°13S 39°45E R Langhovde	463 MY(A-1 68013113)KA11 BT Pyroxenite; --. YAN74
69°22S 39°48E RM E. Lutzow-Holm Bay	508 MY(A-01)RSM2/0.7115 BT Gneissic rock; --. MAE68
69°22S 39°48E RM E. Lutzow-Holm Bay	471 MY(A-03)RSM2/0.7115 BT Gneissic rock; --. MAE68
69°22S 39°48E RM E. Lutzow-Holm Bay	442 MY(A-24)RSM2/0.7115 BT Gneissic rock; --. MAE68
69°22S 39°48E RM E. Lutzow-Holm Bay	971 MY(A-01)RSM2/0.7115 KF Gneissic rock; --. MAE68
69°22S 39°48E RM E. Lutzow-Holm Bay	1116 MY(A-24)RSM2/0.7115 KF Gneissic rock; --. MAE68
68°45S 40°30E RM E. Lutzow-Holm Bay	448 MY(A-22)RSM2/0.7115 BT Gneissic rock; --. MAE68
68°45S 40°30E RM E. Lutzow-Holm Bay	816 MY(A-22)RSM2/0.7115 KF Gneissic rock; --. MAE68
68°29S 41°23E G (Cape Akarui)	7730±110 BP(GaK-5839)14C2 SH Fragments, 10 m a.s.l.; --. YOS83 (loc. given as "Akarui Point")

GEOGRAPHIC AREA 20:	ENDERBY LAND (samples from west to east by coordinates)
67°43S 45°30E RM Freeth Bay	460±250 MY(287B)RSM4/0.715±0.010 WR Quartzo-feldspathic gneiss; Precambrian basement. GRE78
67°45S 45°45E RM Konovalov Mts.	680±320 MY(354C)RSM4/0.715±0.010 WR Quartzo-feldspathic gneiss; Precambrian basement. GRE78
67°40S 45°50E AR nr Molodezhnaya station RM	1500±500 BP(#?)14C3 GO Penguin rookery (Abendberg), deepest layers (c. 30-40 cm). HER80
67°40S 45°50E AR nr Molodezhnaya sta.	373 MY,393 MY,382 MY,501 MY(4338)UTP6 PO Pegmatite; intrudes Precambrian basement. GRE79 (ages recalc. from ATR67; appears to be same sample as 530 MY PO listing from Thala Hills)
67°40S 45°51E RM nr Molodezhnaya sta.	512±155 MY RS7I4/0.7134±0.0161 WR Granite dike cores; intrude Precambrian basement. GRE78
67°40S 45°51E RM nr Molodezhnaya sta.	423±2 MY,444±5 MY,528±3 MY,554±20 MY(92X)UTP6 MZ Pegmatite dike; intrudes Precambrian basement. GRE78
67°40S 45°51E RM nr Molodezhnaya sta.	460±20 MY(RM26A)RSM4/0.709 BT Clinopyroxene-hornblende gneiss; Precambrian basement. GRE78
67°40S 45°51E R Molodezhnaya sta.	1220±80 BP(LE-780)14C2 Peaty moss;--. SEM72
67°40S 45°52E RM nr Molodezhnaya sta.	467±20 MY(RM28)RSM4/0.708 BT Hornblende gneiss; Precambrian basement. GRE78
67°40S 45°52E RM nr Molodezhnaya sta.	755±390 MY(179X)RSM4/0.715±0.010 WR Quartzo-feldspathic gneiss; Precambrian basement. GRE78
67°40S 45°53E RM Thala Hills	445 MY, --,503 MY, --(129B)UTP6 AT Pegmatite dike; intrudes Precambrian basement. GRE78 (common lead correction assuming 450 MY model age)
67°40S 45°54E RM Thala Hills	708±200 MY(340)RSM4/0.7109±0.0015 WR Granodioritic gneiss; Precambrian basement. GRE78
67°40S 45°56E RM Molodezhnaya sta. area	2120±130 MY(263)RSM4/0.715±0.010 WR Quartzo-feldspathic gneiss; Precambrian basement. GRE78
67°40S 45°56E RM Molodezhnaya sta. area	1410±350 MY(265E)RSM4/0.715±0.010 WR Quartzo-feldspathic gneiss; Precambrian basement. GRE78
67°39S 45°58E G Thala Hills	460 MY(#?)K/A WR Biotitized two feldspar-charnockite; Nye Series. KAM72 (data taken from ATR67)
67°39S 45°58E G Thala Hills	490 MY(#?)K/A BT Two feldspar-charnockite; Nye Series. KAM72 (data taken from ATR67)
67°39S 45°58E G Thala Hills	465 MY(3?)K/A MN Pegmatite formed from aplite vein; cuts Nye Series. KAM72 (data taken from ATR67)
67°39S 45°58E G Thala Hills	530 MY(#?)K/A BT Pegmatite formed from aplite vein; cuts Nye Series. KAM72 (data taken from ATR67)
67°39S 45°58E G Thala Hills	540 MY(#?)K/A MC Pegmatite formed from aplite vein; cuts Nye Series. KAM72 (data taken from ATR67)
67°39S 45°58E G Thala Hills	530 MY(#?)P/P PO Pegmatite formed from aplite vein; cuts Nye Series. KAM72 (data taken from ATR67)
67°39S 45°58E G Thala Hills RM	987±60 MY RS8I4/0.7109±0.0015 WR Charnockitic gneiss; Precambrian basement. GRE78

67°40S 45°59E and 67°40S 46°09E RM Alasheev Bight area	512 MY-984 MY(323,109C)UP2C ZR Charnockitic gneiss; Precambrian basement. GRE78 GRE81
67°40S 46°06E RM ("Mt. Vechernyaya")	514 MY,547 MY,549 MY,703 MY(96C)UTP6 SP Pegmatite dike; intrudes Precambrian basement. GRE78 (common lead correction assuming 450 MY model age)
67°40S 46°08E RM Thala Hills area	1740±75 MY(322B)RSM4/0.715±0.010 WR Quartzo-feldspathic gneiss; Precambrian basement. GRE78
67°40S 46°09E RM Thala Hills area	2120±155 MY(106Z)RSM4/0.715±0.010 WR Quartzo- feldspathic gneiss; Precambrian basement. GRE78
67°40S 46°09E RM Thala Hills area	1800 MY(106Z)UP1C ZR Quartzo-feldspathic gneiss; Precambrian basement. GRE78 GRE81 (UI of chord on concordia plot assuming LI=550 MY)
67°30S 48°00E G Casey Bay area	2405±140 MY R/S WR Paragneiss; Napier complex. BLA83 (unpubl. data; age reflects D_3 event)
67°30S 48°00E G Casey Bay area	2440±115 MY R/S WR Paragneiss; Napier complex. BLA83 (unpubl. data; age reflects D_3 event)
67°37S 48°04E G Forefinger Point	520 MY(2109A,2105C)UP0C AL,SP Pegmatite veins; cut the Napier complex. GRE79A
67°22S 49°05E G McIntyre Island, Casey Bay	2500 MY(R25730a,b,c)UP0C ZR Pegmatite in gneiss; Napier complex. GRE82A (three samples)
67°22S 49°05E G "Zircon Point," S of McIntyre I.	1000 MY-2500 MY(2233a,b)UP2C ZR Pegmatite in gneiss; Napier complex. GRE82A
67°22S 49°12E G "Mt. Novogodnyaya," Fyfe Hills	3800±300 MY,3900±300 MY,3000±700 MY,4000±100 MY(28a,c) UTP2I WR Enderbites; Raggatt series, Napier complex. SOB76
67°22S 49°12E G "Mt. Novogodnyaya," Fyfe Hills	--, --,3600±1000 MY,3700±200 MY("28")UTP4I WR Basic schists; Raggatt series, Napier complex. SOB76 ("adjusted" age=4100+500-200 MY)
67°22S 49°12E G "Mt. Novogodnyaya," Fyfe Hills	4200+500-200 MY(28c)UTP6I WR* Enderbite; Raggatt series, Napier complex. SOB76 (*fractional sublimates of lead determined the listed date which is from an "inner isochron")
67°22S 49°12E G "Mt. Novogodnyaya," Fyfe Hills	2800±100 MY, --,1250±150 MY,3100±200 MY(28a,28c*)PPM* WR Enderbites; Raggatt series, Napier complex. SOB76 (*samples used and methodology uncertain; last date is reported as a Pb-206/Pb-207 age)
67°22S 49°12E G "Mt. Novogodnyaya," Fyfe Hills	--, --,1300±400 MY,2800±200 MY("28"*)PPM* WR Basic schists; Raggatt series, Napier complex. SOB76 (*samples used and methodology uncertain; last date is reported as a Pb-206/Pb-207 age; 1300 MY date reported as 1600±1000 MY in RAV74)
67°22S 49°12E G "Mt. Novogodnyaya," Fyfe Hills	4100±100 MY UTP,PPM* WR Enderbites and schists; Raggatt series, Napier complex. SOB76 (*"composite isochron" for all data listed for SOB76 from "Mt. Novogodnyaya")
67°22S 49°12E G "Mt. Novogodnyaya," Fyfe Hills	3500 MY("28")PP6I WR Enderbite and granulite; Napier complex. GRE79A DEP82 (recalc. of SOB76 data using three-stage rather than two-stage development of U-Pb system; listed date is min. age for parental premetamorphic rocks)

67°22S 49°12E G Fyfe Hills	2500 MY(28-VIII)UP0C ZR 100-200 mesh size fraction from granulite; Napier complex. DEP82
67°22S 49°12E G Fyfe Hills	2550 MY(28-VIII)UP1C ZR Greater than 100 mesh size fraction from granulite; Napier complex. DEP82 (UI of chord assuming LI=500 MY)
67°22S 49°12E G Fyfe Hills	3870 MY(28-IV;28e)SNMD WR Garnet-two pyroxene granulite; Napier complex. DEP82 (crust formation age)
67°22S 49°12E G Fyfe Hills	3310 MY(28-II;28g)SNMD WR Mg-pyroxene granulite; Napier complex. DEP82 (crust formation age)
67°22S 49°12E G Fyfe Hills	3450 MY(28-III;28d)SNMD WR Mg-pyroxene granulite; Napier complex. DEP82 (crust formation age)
67°22S 49°12E G Fyfe Hills	3280 MY(28-VIII)SNMD WR Quartzofeldspathic granulite; Napier complex. DEP82 (crust formation age)
67°22S 49°12E G Fyfe Hills	3200 MY(28-IV;28a)SNMD WR Quartzofeldspathic granulite; Napier complex. DEP82 (crust formation age)
67°22S 49°12E G Fyfe Hills	3490 MY(28-VII;28v)SNMD WR Quartzofeldspathic granulite; Napier complex. DEP82 (crust formation age)
67°22S 49°12E G Fyfe Hills	3090 MY(28-V)SNMD WR Ironstone; Napier complex. DEP82 (crust formation age)
67°22S 49°12E G Fyfe Hills	c.4000 MY(#?)P/P ZR Charnockite; --. LOV79A GRE82B
67°22S 49°12E G Fyfe Hills	3050±210 MY SNI/0.50776±14 WR Charnockite to leuconorite samples and gabbros; Napier complex. MCC83
67°12S 50°23E G Priestley Peak	482±3 MY RSI -- K-rich alkali melasyenite dike; in Napier complex. SHE81 BLA82 SHE83
67°13S 50°39E G Mt. Tod	2934+146-127 MY(7828 5003)RSI/0.7105±0.0016 WR Enderbite; Napier Complex. BLA83
67°13S 50°39E G Mt. Tod	2255±360 MY(7828 5003)RSI/0.7081±0.0006 WR Enderbite; Napier complex. BLA83
66°47S 50°40E G Mt. Riiser-Larsen	c.2900 MY(#?)UP0C ZR Paragneiss; Napier complex. BLA83 (Black, unpubl. data)
66°49S 50°43E G Mt. Hardy	2500 MY(78285017)UP0C ZR Seven fractions from leuconorite; Tula series, Napier complex. JAM81 (alternative models based on deletion of certain fractions, assumed inaccurate, result in ages= 2474+6-3 MY and 2488+7-5 MY)
67°02S 51°30E G Mt. Sones	c.3100 MY(78285008)UP6C ZR Fractions from paragneiss; Raggatt series, Napier complex. JAM81 (date=UI; adjustment for probable Pb-loss at 2500 MY yields equilibration age=3000-3050 MY, brown ZR)
67°02S 51°30E G Mt. Sones	2869 MY(78285008-250 NM+MO (brown))P/P ZR Fraction from paragneiss; Raggatt series, Napier complex. JAM81 (minimum age of event)
67°02S 51°30E G Mt. Sones	3100±500 MY RSI/0.717±0.21 WR Paragneiss; Raggatt series, Napier complex. BLA79 JAM81
67°02S 51°30E G Mt. Sones	c.2500 MY, c.3700 MY(78285007)UP6C ZR Enderbite; Napier complex. BLA83

67°00S 52°50E*	2120 MY(#?)P/P CV Along fissures in mesoperthite-
"Mt. King"	charnockite of Raggatt Series. KAM72
	(*coords. from listing in Atlas Antarktiki I)
67°30S 53°00E G	2350±48 MY RS8I3/0.7020±0.0008 WR High-Mg tholeiite
Enderby Land*	dikes; in Napier complex. SHE81
	(*the 8 sample locations are given in SHE81)
67°30S 53°00E G	2400±250 MY RS9I3/0.702±0.001 WR Metatholeiite dikes;
Enderby Land*	in Napier complex. SHE81
	(*the 9 sample locations are given in SHE81)
67°30S 53°00E G	1190±200 MY RS8I3/0.7041±0.0005 WR Tholeiite dikes;
Enderby Land*	Group I Amundsen dikes in Napier complex. SHE81
	(*the 8 sample locations are given in SHE81)
67°30S 53°00E G	580±12 MY(#?)K/A -- Biotite pegmatite;--. PIE76
Enderby Land	(dated by AMDL)
67°30S 53°00E G	511±10 MY(#?)K/A -- Biotite pegmatite;--. PIE76
Enderby Land	(dated by AMDL)
67°30S 53°00E G	2485 MY,2485 MY,2485 MY(28-77)U/P ZR Enderbite;
Enderby Land	--. SOB83
	(more info. in Russian in SOB83)
67°30S 53°00E G	2500 MY(28-77)P/P ZR Dark fraction, from enderbite;
Enderby Land	--. SOB83
	(more info. in Russian in SOB83)
67°30S 53°00E G	2420 MY(28-77)P/P ZR Light fraction, from enderbite;
Enderby Land	--. SOB83
	(more info. in Russian in SOB83)
67°30S 53°00E G	2720 MY,2600 MY,2480 MY(21-77)U/P ZR Charnockite;
Enderby Land	--. SOB83
	(more info. in Russian in SOB83)
67°30S 53°00E G	2440 MY(21-77)P/P ZR -0.25+0.2 fraction, from char-
Enderby Land	nockite;--. SOB83
	(more info. in Russian in SOB83)
67°S 54°E M*	2500 MY UP5C PR,ZR Discordant charnockitic pegmatites;
Rippon Gl.,	cut Napier complex. GRE79A
Mt. Charles,	(*approx. avg. coords; date listed is UI, LI=600 MY;
and nr Mt. Torckler	#4343, CV from fissure in charnockite, ATR67
	also lies on this chord)
66°58S 57°25E G	620 MY(1218i)KA6 WR Migmatized biotite-garnet
Øygarden Group	gneiss;--. RAV64 RAV65 TRA69
	(infer="Eiger Islands" 620 MY samples "from Oates
	Coast" in STA61, rev. to 598 MY, KA16, in PIC63)
66°58S 57°25E G	615 MY(1210)KA6 WR Migmatite from pyroxene plagio-
Øygarden Group	clase-gneiss;--. RAV64 RAV65 TRA69
	(infer="Eiger Islands" 615 MY sample "from Oates
	Coast" in STA61, rev. to 593 MY, KA16, in PIC63)
66°58S 57°25E G	535 MY(1217i)KA6 WR Vein pegmatite;
Øygarden Group	--. RAV64 RAV65 TRA69
	(infer="Eiger Islands" 535 MY sample "from Oates
	Coast" in STA61, rev. to 516 MY, KA16, in PIC63)
66°58S 57°25E G	560 MY(397)KA6 BI6 --;--. STA60. PIC63
Øygarden Group	(rev. to 540 MY, KA16, in PIC63)
68°S 58°E M	160 MY(#?)FTK AP --;
Enderby Land to	--. KEL79C
N. Prince Charles Mts.	

GEOGRAPHIC AREA 21:	MACROBERTSON LAND - LAMBERT GLACIER - AMERICAN HIGHLAND AREA (samples from north to south by coordinates)
67°36S 62°53E R Mawson Station	627 MY(10d)KA16 WR Biotitized pyroxene plagiogneiss (xenolith in charnockite);--. STA60 PIC63 RAV65 (rpted as 650 MY, KA6, in STA60 and RAV65)
67°36S 62°53E R Mawson Station	535 MY(13)KA16 WR Biotitized pyroxene plagiogneiss (xenolith in charnockite);--. STA60 PIC63 RAV65 (rptd. as 555 MY, KA6, in STA60 and RAV65)
67°36S 62°53E R Mawson Station	476 MY(10g)KA16 WR Garnet-biotite schist (xenolith in charnockite);--. STA60 PIC63 RAV65 (rptd as 490 MY, KA6, in STA60 and RAV65)
67°36S 62°53E R Mawson Station	516 MY(11)KA16 WR Porphyroblastic charnockite; --. STA60 PIC63 RAV65 (rpted as 535 MY, KA6, in STA60 and RAV65)
67°36S 62°53E R Mawson Station	1084±37 MY RSI/0.729 -- Charnockite; Mawson charnockite. GRE79B SHE82 (P.A. Arriens, pers. comm.)
67°36S 62°53E R Mawson Station	850 MY(#?)UP2C ZR,PR Pegmatite; in Mawson charnockite. GRE79B (date is UI; ZR data nearly concordant at 850 MY)
67°40S 63°30E G Mawson Coast RM	930±18 MY(#?)RS/0.736 -- Late Proterozoic metamorphics. TIN82 (data inferred from RM, not discussed in text)
67°40S 63°30E G Mawson Coast RM	1098±48 MY(#?)RS/0.736 -- Late Proterozoic metamorphics. TIN82 (data inferred from RM, not discussed in text)
70°00S 65°00E G MacRobertson Land	500-700 MY(#?)R/S MS,BT,KF Pegmatites;--. ARR75 (similar ages are given by WR RSI for massive granites in various localities)
70°00S 65°00E G MacRobertson Land	c.500 MY(#?)R/S BT "Older rocks";--. ARR75 (ages are reset)
70°42S 67°50E G Manning Massif	51.8±2 MY,49.1±2 MY(73281594)KA9 WR Leucite tristanite lava flow; in late Proterozoic metamorphics. TIN76 SHE83
70°47S 67°53E G Fox Ridge	504±20 MY(69280225)KA9 PY Alkali basalt dike; in late Proterozoic metamorphics. TIN76 SHE83
70°52S 68°00E G Radok Lake	c.960 MY(2212/4)RSM4/0.705 WR Pegmatitic granite boulder; Permian basal conglomerate. HAL75
70°52S 68°00E G Radok Lake	110±3 MY(69280153)KA9 PG Alnöite; in late Proterozoic metamorphics. SHE83 (may be sill in TIN76)
70°52S 68°00E G Radok Lake	110±3 MY(69280152)KA9 PG Alnöite; in late Proterozoic metamorphics. SHE83 (may be sill in TIN76)
70°52S 68°00E G Radok Lake	108±3 MY(69280334)KA9 PG Alnöite; in late Proterozoic metamorphics. SHE83 (may be sill in TIN76)
71°01S 67°09E G Taylor Platform	246±6 MY(71280126)KA9 PL Calc-alkali basalt dike; in late Proterozoic metamorphics. TIN76 SHE83
71°24S 70°47E G Pickering Nunatak	765 MY("552")RS3I4/0.707 WR Plagiogneiss, leucogranite, and pegmatite granite; Precambrian basement. HAL75 (date is for a "reference isochron line")

72°S 70°E M	c.240-360 MY(#?)FTK AP --;
E. Lambert Gl. and Amery Ice Shelf	--. KEL79C
72°00S 67°00E G	923±179 MY RSI/0.743 WR Late Proterozoic
Prince Charles Mts. RM	metamorphics. TIN82
72°00S 67°00E G	945±36 MY RSI/0.712 WR Late Proterozoic
Prince Charles Mts. RM	metamorphics. TIN82
72°00S 67°00E G	1005±87 MY RSI/0.708 WR Late Proterozoic
Prince Charles Mts.	metamorphics. TIN82
72°00S 67°00E G	1068±354 MY RSI/0.707 WR Late Proterozoic
Prince Charles Mts.	metamorphics. TIN82
72°00S 67°00E G	834±304 MY RSI/0.710 WR Late Proterozoic
Prince Charles Mts. RM	metamorphics. TIN82
72°00S 67°00E G	961±96 MY RSI/0.704 WR Late Proterozoic
Prince Charles Mts. RM	metamorphics. TIN82
72°00S 67°00E G	891±70 MY RSI/0.706 WR Late Proterozoic
Prince Charles Mts. RM	metamorphics. TIN82
72°00S 67°00E G	1197±238 MY RSI/1.113 WR "Archean" basement
Prince Charles Mts. RM	rocks. TIN82
72°00S 67°00E G	2766±92 MY RSI/0.721 WR (Archean) basement
Prince Charles Mts. RM	rocks. TIN82
72°00S 67°00E G	2809±411 MY RSI/0.708 WR (Archean) basement
Prince Charles Mts.	rocks. TIN82
72°00S 67°00E G	2822±227 MY RSI/0.705 WR (Archean) basement
Prince Charles Mts.	rocks. TIN82
72°00S 67°00E G	873 MY(#?)P/P MS Pegmatite in gneiss;
Prince Charles Mts.	Precambrian rocks. GRE76A
72°00S 67°00E G	2600-2800 MY RSI WR Gneisses;
Prince Charles Mts.	--. ARR75
72°00S 67°00E G	1000-1200 MY RSI WR Gneisses and granites;
Prince Charles Mts.	--. ARR75
72°00S 67°00E G	500-700 MY RSI WR Gneisses and granites;
Prince Charles Mts.	--. ARR75
73°00S 66°00E RM	c.1100 MY RSI/1.1 WR Granite;--. ARR75
Mt. Rymill*	(*sample described as "the Mt. Rymill granite")
73°04S 66°24E G	1035±2 MY(544)P/P YX Nodule from pegmatite;
Mt. Stinear RM	basement complex. GRE76 GRE82
	(date from W.I. Manton, unpublished date)
73°05S 66°20E G	2580 MY(#?)R/S MC Pegmatite;
nr Edwards Pillar RM	cuts Archean quartzite. ARR75 GRE82 TIN82
	(Archean age of metasedimentary rocks is based on this single date)
78°07'30"S 66°15E R	442 MY,509 MY,589 MY, -- (544)UTP WR Nodule in
Mt. Stinear	pegmatite; basement complex. GRE83
	(discordant; UI=850 MY if LI=0)
73°12S 63°15E G	980 MY(#?)K/A WR Amphibolite;--. GRE82B
Mt. McCauley	(quoted from LOP77)
73°13S 62°55E G	495 MY(222)RSM4/0.705 WR Muscovite pegmatite;
Mt. Scherger RM	intrudes schist sample 222a. HAL75
	(if IR=0.750, age=490 MY)
73°13S 62°55E G	493 MY(222 muscovite) RSM4/0.705 MC Muscovite
Mt. Scherger RM	pegmatite; intrudes schist sample 222a. HAL75
73°13S 62°55E G	465-865 MY(222a)RSM4/0.710-0.750 WR Fibrolite-
Mt. Scherger RM	biotite-quartz schist;--. HAL75
73°25S 65°40E G	495 MY(216d,216g,216z)RS3I4/0.738 WR Phyllite;
cen. Mt. Rubin RM	Late Precamb./lower Paleozoic greenschist fac. HAL75

73°25S 65°40E G NW Mt. Rubin RM	520 MY(209a)RSM4/0.740 WR Phyllite; Late Precamb/lower Paleozoic greenschist fac. HAL75
73°25S 65°40E G cen. Mt. Rubin RM	800 MY RS4I4/0.730 WR Plagiogranite(2), granitoid rock (1), granitic gneiss (1); boulder clasts from metaconglomerate overlying phyllite. HAL75
73°26S 62°50E R Mt. Bayliss	414±10 MY,413±10 MY(73281545)KA9 MG Alkali melasyenite dike; in late Proterozoic metamorphics. TIN76 SHE80 SHE83 (sample material=K-richerite in SHE80 and SHE83)
73°26S 62°50E R Mt. Bayliss	430±12 MY(73281545)KA9 RI Alkali melasyenite dike; in late Proterozoic metamorphics. TIN76 SHE80 SHE83 (sample material=K-arfvedsonite in SHE80 and SHE83)
73°32S 62°44E G Mt. Bayliss	2630 MY(#?)R/S -- Metamorphic basement. SHE76 (from studies by P.A. Arriens)
73°40S 64°30E G Mt. Ruker	2500 MY,3200 MY(206*)RSR4/0.702 WR Granite(3), plagiogranite(1); underlie (?) greenschist facies. HAL75 (*site number; the 4 samples lie between two reference isochrons with ages as listed)
73°40S 64°30E G* east N slope, Mt. Ruker	796±80 MY(1)KA17 -- Metabasite;--. HOF80A (*coordinates given in text="74°25S, 64°30E")
73°40S 64°30E G* mid. N slope, Mt. Ruker	992±99 MY(2)KA17 -- Metabasite;--. HOF80A (*coords. given in text="74°25S, 64°30E")
73°40S 64°30E G Mt. Ruker	1040 MY(#?)K/A WR Metabasite (tholeiitic);--. GRE82B (quoted from FED77)
73°40S 64°30E G Mt. Ruker	830 MY(#?)K/A WR Dike;--. GRE82B (quoted from FED77)
73°40S 64°30E G Mt. Ruker	1442±152 MY RSI/0.8902 -- Archean granitic basement rocks. TIN82 (P.A. Arriens, pers. comm. and J.W. Sheraton, pers. comm.; considered a metamorphic age)

GEOGRAPHIC AREA 22:	INGRID CHRISTENSEN COAST TO CAPE FILCHNER, WILHELM II COAST (samples from west to east by coordinates)
70°28S 72°27E R Reinbolt Hills	94-896 MY("556-1")UTP6C ZR Pegmatite lens in gneiss; bedrock. GRE81 GRE79B (thorium ages of 1300-1800 MY are discordant)
70°30S 72°30E AR Reinbolt Hills	94-896 MY(557 and 565A)UPC* ZR Reinbolt Hills charnockite. GRE81 (*samples lie on the chord defined by "556-1")
70°10S 72°33E G Jennings Promontory	405 MY(1202)KA16 WR Intermediate charnockite; --. STA61 PIC63 RAV65 (reported as 420 MY using KA6 in RAV65; infer= 420 MY sample from "Larsemann Hills" in STA61)
70°S 73°E M "Landing Bluff" nr Amery Ice Shelf	500 MY R/S -- Granite; --. ARR75 (may be same as 504 MY Landing Bluff Adamellite)
69°40S 74°25E G (Sandefjord Ice Bay area*)	504±17 MY RSI/0.7184 -- Landing Bluff Adamellite. SHE83A (*prob. loc. inferred; dated by P.A. Arriens)
69°24S 76°13E G Larsemann Hills	405 MY(1199)KA16 WR Migmatized gneiss; --. STA61 PIC63 RAV65 (reported as 420 MY using KA6 in RAV65 and STA61)
69°24S 76°13E G Larsemann Hills	540 MY(1194k)KA6 MC Pegmatitic vein;--. RAV65 (may be same as sample 560(Ch) from STA60)
69°24S 76°13E G Larsemann Hills	458 MY(560(Ch))KA16 MC Unspecified;--. STA60 PIC63 (*recalc. from 475 MY in STA60; may be same as sample 1194k in RAV65)
68°51S 77°50E G Rauer Islands	c.1100 MY R/S -- Gneisses; --. ARR75
68°49S 77°50E G Filla Island	1073±111 MY RS/0.7086±0.0013 -- In felsic gneisses; --. SHE83A (dated by P.A. Arriens)
68°39S 77°57E RM "Mud Lake"	3500±86 BP(ZDL69)14C SH Laternula, from terrace; postglacial deposits. ZHA83
68°39S 77°57E RM nr "Mud Lake"	2410±90 BP(SUA 1411)14C SH Marine Laternula, on terrace. ADA83 (infer revised from 2800±85 BP in ZHA83)
68°39S77°57E RM "Mud Lake"	3325±103 BP(ZDL66)14C SH Laternula from terrace; postglacial deposits. ZHA83
68°39S 77°58E G Mule Peninsula RM	3062±212 MY(81-260)RS11I3/0.7012±0.0002 WR Granulite facies, Mossel gneisses; Vestfold Block. COL83A
68°39S 77°58E G Mule Peninsula RM	2456±163 MY RS10I3/0.7015±0.0001 WR Granulite facies, Mossel gneisses; Vestfold Block. COL83A
68°39S 77°59E RM W end, "Clear Lake"	8355±250 BP(Beta 4760)14C MO Freshwater aquatic. ADA83
68°39S 77°59E RM W end, "Clear Lake"	7310±150 BP(Beta 4759A)14C MO Freshwater aquatic. ADA83 (cold HCl treatment)
68°39S 77°59E RM W end, "Clear Lake"	7745±285 BP(Beta 4759B)14C MO Freshwater aquatic. ADA83 (full pretreatment of alkali and acid)
68°39S 78°00E RM E end,"Laternula Lake"	3470±80 BP(ANU 1010)14C SH Marine Laternula, in lowermost of five layers. ADA83
68°39S 78°00E RM E end,"Laternula Lake"	3270±90 BP(ANU 1009)14C SH Marine Laternula, in uppermost layer. ADA83
68°34S 78°04E G Lake Dingle	5600±77 BP(ZDL79)14C SH Laternula, from terrace which is 6 m a.s.l. ZHA83

68°36S 78°05E G S side, Ellis Fjord	6225±85 BP(Beta 4761)14C Marine organic sediment. ADA83
68°34S 78°08E G SW end, L. Stinear	5440±110 BP(SUA 1239)14C SH Marine Laternula, from flank of terrace. PIC82 ADA83 (infer revised from 5740±105 BP given in ZHA83; est. reservoir correction would be 1100 yrs)
68°34S 78°08E G SW end, Lake Stinear	4710±70 BP(ANU1011)14C SH Marine Laternula. ADA83
68°38S 78°08E RM "Marine Plain"	31,000±474 BP(ZDL68)14C SH --; near top of marine section. ZHA83
68°31S 78°10E G Partizan Island RM	7370±95 BP(Beta 4767)14C SH Marine, fragments. ADA83
68°35S 78°10E RM Vestfold Hills area	2400 MY(81-390)SNMC1 WR Granulite facies gneiss; Tyrne Metavolcanics. COL83A
68°33S 78°10E RM Vestfold Hills area	2661 MY(72-630)SNMC1 WR Granulite facies gneiss; Mossel gneisses. COL83A
68°33S 78°10E RM Vestfold Hills area	2690 MY(72-619)SNMC1 WR Granulite facies gneiss; Mossel gneisses. COL83A
68°33S 78°10E RM Vestfold Hills area	2599 MY(81-331)SNMC1 WR Granulite facies gneiss; Mossel gneisses. COL83A
68°38S 78°10E RM "Marine Plain"	GT 28,000 BP(SUA 1832)14C Marine organic sediment, top of sediment. ADA83
68°38S 78°10E RM "Marine Plain"	GT 24,000 BP(SUA 1413)14C Marine organic sediment, 8 m below top of sediment. ADA83
68°34S 78°11E RM Deep Lake"	6632±118 BP(ZDL80)14C SH Laternula, from terrace which is 4 m a.s.l. ZHA83
68°33S 78°14E G btwn. Club Lake and "Deep Lake"	5340±90 BP(SUA 1237)14C Serpulid worm tubes, from flank of marine terrace. PIC82 ADA83 (est. reservoir correction would be 1100 yrs)
68°36S 78°14E RM "Lake Watts"	6100±108 BP(ZDL70)14C SH From terrace; postglacial deposits. ZHA83
68°32S 78°14E RM "Triple Lake"	6141±90 BP(ZDL78)14C SH Laternula, from terrace which is 3 m a.s.l. ZHA83
68°36S 78°14E RM "Lake Watts"	7616±104 BP(ZDL85)14C Calcareous tufa from terrace. ZHA83
68°28S 78°15E G Langnes Peninsula	1782 MY(9)KA16 WR Eluvial loam, 1-0.25 mm size fraction, rocky edge of beach;--. VOR61 KRY62 PIC63 (dscrpt.=arkosic sand in VOR61; recalc. from 1830 MY)
68°28S 78°15E G Langnes Peninsula	1792 MY(9)KA16 WR Eluvial loam, less than 0.25 mm size fraction;--. VOR61 KRY62 PIC63 (dscrpt.=arkosic sand in VOR61; recalc. from 1840 MY)
68°28S 78°15E G Langnes Peninsula	1220 MY(#?)K/A WR Morainic loam with eluvial-glacial material, 1-3 mm size fraction;--. KRY62
68°28S 78°15E G Langnes Peninsula	1000 MY(#?)K/A WR Morainic loam with eluvial-glacial material, 0.1-1 mm size fraction;--. KRY62
68°28S 78°15E G Langnes Peninsula	460 MY(#?)K/A WR Morainic loam with eluvial-glacial material, less than 0.05 mm size fraction. KRY62
68°28S 78°15E G Langnes Peninsula	1418 MY(6;1242)KA16 WR Migmatite leucogranite vein material;--. VOR61 PIC63 RAV65 (rptd as 1460 MY using KA6 in RAV65)
68°28S 78°15E G Langnes Peninsula	1433 MY(14;1243)KA16 WR Gneissic hypersthene-plagioclase granite;--. VOR61 PIC63 RAV65 (rptd as 1475 MY using KA6 in RAV65)

68°28S 78°15E G Langnes Peninsula	1312 MY(85A)KA16 WR Vein leucogranite (pegmatoidal); --. VOR61 PIC63 RAV65 (rptd as 1350 MY using KA6 in RAV65 and STA61, and as 1270 MY in STA59)
68°28S 78°15E G Langnes Peninsula	1482 MY(20a)KA16 WR Migmatite leucogranite vein material from gneiss;--. VOR61 PIC63 RAV65 (rptd as 1525 MY in RAV65)
68°28S 78°15E G Langnes Peninsula	1147 MY(72)KA16 WR Vein alaskitic granite; --. VOR61 PIC63 RAV65 (rptd as 1185 MY in RAV65 and 1070 MY in STA59)
68°28S 78°15E G (Langnes Peninsula)	1104 MY(71;1244)KA16 WR Granite rock;--. STA60 PIC63 (rptd as 1140 MY, KA6, from "Langenset oasis" in STA60)
68°33S 78°15E G Vestfold Hills	GT 1300 MY(?)KA6 WR Dolerite dikes;--. VOR61 PIC63 (preliminary result reported as "Archaean")
68°33S 78°15E G Vestfold Hills	1030±220 MY("GA5429")RS6I2 WR 6 dolerite dikes intruding gneiss;--. HAR67 (one dike near Davis station; 5 along S. side of Heidemann Bay)
68°33S 78°15E G (Vestfold Hills RM	2559±68 MY RS(I) (WR) Archaean (metamorphic) basement rocks. TIN82
68°33S 78°15E G Vestfold Hills	2692±162 MY R/S -- Mafic granulites; high-grade gneiss complex. COL79
68°33S 78°15E G Vestfold Hills	2275±102 MY R/S -- Weakly foliated ganitic gneisses; high-grade gneiss complex. COL79
68°33S 78°15E G Vestfold Hills	2477±44 MY RSI/0.7018±0.0003 -- Layered grey gneisses; component of gneiss complex. COL79
68°33S 78°15E G Vestfold Hills	c.1400 MY R/S WR Dolerite dikes;--. ARR75 (from a suite of analyses)
68°33S 78°15E G Vestfold Hills	GT 2500 MY R/S -- Gneisses; --. ARR75
68°33S 78°15E G Vestfold Hills region	GT 2000 MY R/S KF Pegmatite dikes;--. ARR75 (from more than one sample)
68°33S 78°15E G Vestfold Hills region	500 MY R/S BT Pegmatite dikes;--. ARR75 (from more than one sample; ages are reset)
68°33S 78°15E G near Vestfold	1480±75 BP(LE-658)14C2 SE Mummified; found on surface, partly covered with sand. DOL70
68°33S 78°15E G Vestfold Hills area RM	2454±117 MY RS11I3/0.7021±0.0005 WR Crooked Lake gneisses; Vestfold Block. COL83A
68°33S 78°15E G Vestfold Hills area RM	2488±600 MY SN6I1/0.50856±0.00038 WR Orthogneisses; Mossel gneisses. COL83A (calc. using "McIntyre et al. method")
68°33S 78°15E G Vestfold Hills area RM	2599+1160-473 MY SN6I1/0.50849+0.00031-0.00075 WR Orthogneisses; Mossel gneisses. COL83A (calc. using "Cameron et al. method")
68°33S 78°15E G Vestfold Hills area RM	2923±570 MY SN 6I1/0.50827+0.00049 WR Orthogneisses; Tyrne metavolcanics. COL83A (calc. using "McIntyre et al. method")
68°33S 78°15E G Vestfold Hills area RM	2999+830-451 MY SN6I1/0.50820+0.00072 WR Orthogneisses; Tyrne metavolcanics. COL83A (calc. using "Cameron et al. method")
68°33S 78°15E G Vestfold Hills area RM	2810±271 MY SN12I1/0.50836±0.00021 WR Orthogneisses; Mossel gneisses and Tyrne metavolcanics. COL83A (calc. using "McIntyre et al. method")

68°33S 78°15E G Vestfold Hills area RM	2859+355-256 MY SN12I1/0.50832+0.00019-0.00025 WR Mossel gneisses and Tyrne metavolcanics. COL83A (calc. using "Cameron et al. method")
68°33S 78°15E G Vestfold Hills area RM	2411±212 MY SN6I1/0.50866±0.00014 WR Orthogneisses; Crooked Lake gneisses. COL83A
68°37S 78°15E RM E end, "Watts Lake"	8260+110 BP(SUA 1410)14C Marine algal sediment, from slope below terrace. ADA83 (infer revised from 8700±100 BP in ZHA83)
68°37S 78°15E RM E end, "Watts Lake"	7680±120 BP(SUA 1828A)14C $CaCO_3$, Marine worm tubes, from slope below terrace. ADA83
68°37S 78°15E RM E end, "Watts Lake"	7380±250 BP(SUA 1828B)14C AL Sieved from SUA 1828A, from slope below terrace. ADA83
68°37S 78°15E RM E end, "Watts Lake"	7305±130 BP(Beta 4768)14C SH Marine scallops, from slope below terrace. ADA83
68°37S 78°15E RM E end, "Watts Lake"	6500±105 BP(Beta 4765)14C SH Marine, from slope below terrace. ADA83
68°37S 78°15E RM "Lake Lebed"	6452±160 BP(Beta 4763)14C Algal mud. ADA83
68°37S 78°15E RM E end, "Watts Lake"	6150±95 BP(Beta 4764)14C Marine serpulid worm tube (Merceriella enigmatica), from slope below terrace. ADA83
68°37S 78°15E RM E end, "Watts Lake"	5795±85 BP(Beta 4766)14C SH Marine Laternula, from slope below terrace. ADA83
68°37S 78°15E RM E end, "Watts Lake"	4670±190 BP(SUA 1824)14C AL Marine, from slope below terrace. ADA83
63°37S 78°15E RM E end, "Watts Lake"	2800±80 BP(SUA 1409)14C Non-marine stromatolites, from slope below terrace above SUA 1410. ADA83
68°33S 78°15E G Vestfold Hills vic.	c.1300 MY, c.1850 MY R/S -- Suites of dolerite dikes; cut Archaean gneisses. SHE83A (preliminary and unpubl. data)
68°30S 78°18E G Tryne Crossing area RM	2349±50 MY RS9I3/0.7027±0.0001 WR Mossel gneiss retrogressed to amphibolite facies; Vestfold Block. COL83A
68°30S 78°18E G nr Tryne Crossing RM	2416±21 MY RS7I3/0.7022±0.0003 WR Crooked Lake gneisses; cut Tryne metavolcanics. COL83A
68°26S 78°20E RM Vestfold Hills area	2659 MY(81-358)SNMC1 WR Granulite facies gneiss; Tyrne metavolcanics. COL83A
68°29S 78°20E RM Vestfold Hills area	2283 MY(81-309)SNMC1 WR Granulite facies gneiss; Tyrne metavolcanics. COL83A
68°29S 78°20E RM Vestfold Hills area	2287 MY(81-326)SNMC1 WR Granulite facies gneiss; Tyrne metavolcanics. COL83A
68°29S 78°20E RM Vestfold Hills area	2165 MY(81-306)SNMC1 WR Granulite facies gneiss; Tyrne metavolcanics. COL83A
68°29S 78°20E RM Vestfold Hills area	2540 MY(81-397)SNMC1 WR Granulite facies gneiss; Mossel gneisses. COL83A
68°38S 78°20E RM Vestfold Hills area	2397 MY(81-253)SNMC1 WR Granulite facies gneiss; Mossel gneisses. COL83A
68°29S 78°20E RM Vestfold Hills area	2462 MY(81-283)SNMC1 WR Granulite facies gneiss; Crooked Lake gneisses. COL83A
68°29S 78°20E RM Vestfold Hills area	2462 MY(81-287)SNMC1 WR Granulite facies gneiss; Crooked Lake gneisses. COL83A
68°38S 78°20E RM Vestfold Hills area	2492 MY(81-267)SNMC1 WR Granulite facies gneiss; Crooked Lake gneisses. COL83A

68°31S 78°25E RM "Calendar Lake"	1200±170 BP(Beta 1831)14C AL --. ADA83
68°34S 78°25E RM "Thalatine Lake"	1340±140 BP(SUA 1412)14C AL Freshwater. ADA83
68°31S 78°28E RM nr "Platcha Hut"	5677±94 BP(ZDL81)14C AL From dry basin. ZHA83
68°28S 78°30E R Vestfold Hills	2169±217 MY(3)KA9 WR Basite;--. HOF80A
68°35S 78°30E RM "Graticule Lake"	405±95 BP(Beta 4762)14C MO Freshwater, aquatic. ADA83
68°35S 78°30E RM Vestfold Hills area	2498 MY(81-247)SNMC1 WR Granulite facies gneiss; Crooked Lake gneisses. COL83A
68°22S 78°32E G (Wyatt Earp Is. RM)	2511 MY(81-344)SNMC1 WR Granulite facies gneiss; Crooked Lake gneisses. COL83A
68°22S 78°32E G (nr Walkabout Rocks RM)	2506 MY(81-346)SNMC1 WR Granulite facies gneiss; Crooked Lake gneisses. COL83A
65°45S 81°50E G Pingvin Island	458 MY(7;1185)KA16 WR Alaskitic porphyroblastic granite;--. STA60 PIC63 (reported as 475 MY using KA6 in STA60)
65°45S 81°50E G Pingvin Island	477 MY(9;1086)KA16 WR Pegmatite in charnockite; --. STA60 PIC63 (reported as 495 MY using KA6 in STA60)
68°18S 86°25E G Mount Brown	675 MY(1165g)KA16 WR Amphibolized and biotitized plagioclase-gneiss;--. STA61 PIC63 RAV65 (reported as 700 MY using KA6 in RAV65)
66°48S 89°11E G Gaussberg	9 MY(1152c)KA6 WR Leucite basalt;--. RAV65
66°48S 89°11E G Gaussberg	20 MY(K.1152s)KA6 WR Leucite basalt;--. RAV64 (appears to be rev. to 9 MY -- see 1152c above; infer=20 MY samples of RAV59 and STA61)
66°48S 89°11E G Gaussberg	9.0 MY(#?)K/A WR Leucite basalt flow; intrusive in metamorphic basement. TIN76 (may refer to sample 1152s of RAV65 listed above)
66°48S 89°11E G (Gaussberg*)	0.052±0.003 MY(#?)K/A LE Leucitite;--. COL83 (*prob. loc. inferred; Tingey et al., in press)
66°48S 89°11E G (Gaussberg*)	0.059±0.002 MY(#?)K/A LE Leucitite;--. COL83 (*prob. loc. inferred; Tingey et al., in press)
66°48S 89°11E G Gaussberg	1973-2152 MY(#?)SNMC Samples of granitic inclusions; in Gaussberg lavas. COL83 (700-1093 MY T_{UR} Sr model ages also calc.)
66°48S 89°11E G Gaussberg	1220-1280 MY(#?)SNMD -- Gaussberg lavas. COL83 (dates time of enrichment event)

GEOGRAPHIC AREA 23:	QUEEN MARY COAST AND WILKES LAND WEST OF 120°00E (samples from west to east by coordinates)
66°33S 93°00E R "Haswell Islet"	463 MY(#?)KA16 WR Charnockite-mangerite series; --. STA59 PIC63 (recalc. from 455 MY in STA59 and 480 MY in STA61; loc.="Mirny" in STA61)
66°31S 93°00E G Haswell Island	415 MY(#?)KA16 WR Pegmatite;--. STA61 PIC63 (recalc. from 430 MY in STA61; infer=#1014a, vein pegmatite in RAV65; infer=430 MY, FD from pegmatite, in KRY61; infer=#K.1014a in RAV64)
66°31S 93°00E G Haswell Island	550 MY(1058d)KA6 BT Pyroxene plagioclase-gneiss xenolith in charnockite;--. RAV64 RAV65 (infer=#?, 509 MY in RAV58 and PIC63)
66°31S 93°00E G Haswell Island	520 MY(1062)KA6 BT Pegmatitic cross-cutting vein; --. RAV64 RAV65 (infer=#?, 468 MY in RAV58 and PIC63)
66°31S 93°00E G Haswell Island	600 MY,550 MY,440 MY(#?)U/P Accessory allanite; 650 MY(#?)Pb/(U+Th) " " 650 MY(#?)208-Pb/232-Th " " --. KRY61
66°33S 93°00E AR Stroyteley Island	458 MY(1106c)KA16 WR Pegmatoidal vein granite; --. STA59 PIC63 RAV65 (reported as 475 MY, KA6, in RAV65 and others)
66°34S 93°00E G Morennaya Hill	400 MY(1145e)KA16 WR Charnockite-mangerite series; --. STA61 PIC63 RAV65 (recalc. from 415 MY, KA6; loc.=Moraine Cliff in STA61; loc.=Morennaya Rock in RAV65)
66°34S 93°00E G Morennaya Hill	453 MY(1145a)KA16 WR Pyroxene-plagioclase schist; --. STA61 PIC63 RAV65 (recalc. from 440 MY in STA59 and 470 MY in STA61 and others; loc.=Moraine Cliff in STA61; loc.= Morennaya Rock in RAV65)
66°34S 93°00E G Morennaya Hill	443 MY(1145b)KA16 WR Pyroxene-plagioclase schist; --. STA61 PIC63 RAV65 (recalc. from 430 MY in STA59 and 460 MY in STA61 and others; loc.=Moraine Cliff in STA61; loc.= Morennaya Rock in RAV65)
66°34S 93°00E G Morennaya Hill	439 MY(1145c)KA16 WR Plagioclase granite from migmatite vein material;--. STA61 PIC63 RAV65 (recalc. from 455 MY in STA61 and others; loc.= Moraine Cliff in STA61; loc.=Morennaya Rock in RAV65
66°33S 93°01E R Mirnyy, Haswell I.	443 MY(#?)KA16 BT Pegmatite;--. STA60 PIC63 (recalc. from 460 MY in STA60)
66°33S 93°01E R Mirnyy, Haswell I.	424 MY(82)KA16 WR Pegmatite (Quartz-feldspar); --. STA60 PIC63 (recalc. from 440 MY in STA60)
66°33S 93°01E AR Mirnyy Station	515 MY(#?)K/A WR Morainic loam, 1-3 mm size fraction; --. KRY62 (coords. for Mirnyy from PIC63)
66°33S 93°01E AR Mirnyy Station	425 MY(#?)K/A WR Morainic loam, 0.1-1.0 mm size fraction;--. KRY62 (coords. for Mirnyy from PIC63)

66°33S 93°01E AR Mirnyy Station	520 MY(#?)K/A WR Morainic loam, 0.1-3 mm size fraction;--. KRY62 (coords. for Mirnyy from PIC63)
66°33S 93°01E AR Mirnyy Station	502±24 MY("RU12")RS5I4/0.7194±0.0007 WR Charnokitic rocks;--. MCQ72
66°33S 93°01E AR "Hoadley Island" Mirnyy Sta. Area	480 MY(12a)KA6 WR Acid charnockite;--. RAV65 (reported as "Godley Island" in RAV64; coords. for Mirnyy from PIC63
66°25S 98°46E G David Island	318 MY(866a)KA16 WR Granite-porphyry; --. STA61 PIC63 RAV65 (recalc. from 330 MY in STA61 and others; dscrpt.=syenite-porphyry in RAV65)
66°25S 98°46E G David Island	453 MY(866)KA16 WR Pegmatoid granite; --. STA61 PIC63 RAV65 (recalc. from 470 MY in STA61 and others; dscrpt.= acid charnockite in RAV65)
66°25S 98°46E G David Island	443 MY(858 MY)KA16 WR Granite;--. STA61 PIC63 RAV65 (recalc. from 460 MY in STA61 and 430 MY in STA59; dscrpt.=acid charnockite in RAV65)
66°25S 98°46E G David Island	540 MY(865)KA16 WR Granite;--. STA61 PIC63 RAV65 (recalc. from 560 MY in STA61 and 525 MY in STA59; dscrpt.=acid charnockite in RAV65)
66°25S 98°46E G David Island	670 MY(#?)KA16 WR Shadow migmatite;--. STA61 PIC63 (recalc. from 695 MY in STA61; not included in later reports such as RAV65)
66°22S 99°11E G Mount Strathcona	684 MY(1173)KA16 WR Porphyroblastic plagioclase granite;--. STA61 PIC63 RAV65 (recalc. from 710 MY in STA61 and RAV65)
66°22S 99°11E G Mount Strathcona	583 MY(1175e)KA16 WR Vein pegmatite; --. STA61 PIC63 RAV65 (recalc. from 605 MY in STA61 and RAV65)
69°22S 99°11E G Mount Strathcona	949 MY(1p)KA16 WR Biotite-schist xenolith in plagioclase granite;--. STA61 PIC63 RAV65 (recalc. from 925 MY in STA59 and 980 MY in STA61 and RAV65)
66°35S 99°46E G center, Obruchev Hills	1099 MY(21b)KA16 WR Leucogranite from migmatite vein material;--. STA61 PIC63 RAV65 (recalc. from 1070 MY in STA59, and 1135 MY in STA61 and RAV65; loc.="Obruchev Oasis" in STA59 and "Obruchev Island" in STA61)
66°35S 99°46E G center, Obruchev Hills	523 MY(26)KA16 WR Cross-cutting leucogranitic vein; --. STA61 PIC63 RAV65 (recalc. from 515 MY in STA59, and 545 MY in STA61 and RAV65; loc.="Obruchev Oasis" in STA59 and "Obruchev Island" in STA61)
67°22S 100°24E G Mount Sandow	610 MY(1178i)KA6 WR Sericitic quartzite; --. RAV65
67°22S 100°24E G (Mount Sandow)	530 MY(#?)K/A WR Sandstone;--. KRY62 (loc. given as "Sandau")
66°25S 100°33E G Grace Rocks	675 MY(46)KA16 WR Charnockite;--. STA61 PIC63 RAV65 (recalc. from 700 MY in STA61; loc.="Harris Cliffs" in STA61 and PIC63 but infer=sample from Grace Rocks in RAV65; loc.="Grace Crag" in RAV64)
67°14S 100°45E G (Mount Amundsen)	595 MY(#?)K/A WR Red siltstone;--. KRY62 (loc. given as "Amundsen")

67°14S 100°45E G	565 MY(#?)K/A WR Red sandstone;--. KRY62
(Mount Amundsen)	(loc. given as "Amundsen")
67°14S 100°45E G	560 MY(#?)K/A WR Sericitized sandstone;--. PIC63
Mount Amundsen	(PIC63 quote this date from RAV58)
66°17S 100°47E G	516 MY(#?)KA16 WR Migmatite;--. STA61 PIC63
"Passeshen Cliffs,"	(recalc. from 530 MY, KA6, in STA61)
Bunger Hills locale	
66°17S 100°47E G	549 MY(752c)KA16 WR Vein leucogranite;
"Smelykh Island,"	--. STA61 PIC63 RAV65
Bunger Hills locale	(recalc. from 570 MY in STA61 and RAV65)
66°17S 100°47E G	675 MY(753)KA16 WR Charnockitized gabbroic;
"Smelykh Island,"	--. STA61 PIC63 RAV65
Bunger Hills locale	(recalc. from 700 MY in STA61; reported as 685 MY in RAV65)
66°17S 100°47E G	1190 MY,(800 MY), ? MY(#?)U/P AT Pegmatite;
Bunger Hills	1350 MY(#?)208-Pb/232-Th " "
	--. TUG59
	(loc. corrected as in KRY61)
66°17S 100°47E G	1262 MY(#?)KA16 BT Pegmatite vein;--. TUG59 PIC63
Bunger Hills	(recalc. from 1330 MY, KA5, in TUG59)
66°17S 100°47E G	1215 MY(#?)KA16 MC Pegmatite vein;--. TUG59 PIC63
Bunger Hills	(recalc. from 1280 MY, KA5, in TUG59)
66°17S 100°47E G	1310 MY(#?)Pb/(U+Th) AT Pegmatite vein;--. STA60
Bunger Hills	1520 MY(same) 206-Pb/238-U " "
	1300 MY(same)208-Pb/232-Th " "
	(most probable age=1300 MY; loc. given as "Banger Oasis")
66°17S 100°47E G	968-1137 MY(#?)KA16 WR Pegmatite vein;--. STA60 PIC63
Bunger Hills	(recalc. from 1000-1175 in STA60)
66°17S 100°47E G	713 MY(615a)KA16 WR Intermediate charnockite;
SW side, Bunger Hills	----. STA61 PIC63 RAV65
	(recalc. from 740 MY in STA61 and RAV65, and 700 MY in STA59)
66°17S 100°47E G	747 MY(117a)KA16 WR Migmatite;--. STA61 PIC63 RAV65
Bunger Hills	(recalc. from 775 MY in STA61 and 730 MY in STA59; dscrpt.="pyroxene schist," loc.="Oasis Station Area" in RAV65)
66°17S 100°47E G	747 MY(104)KA16 WR Migmatite;--. STA61 PIC63 RAV65
Bunger Hills	(recalc. from 775 MY in STA61 and 730 MY in STA59; loc.="Oasis Station Area" in RAV65)
66°17S 100°47E G	708 MY(187a)KA16 WR Migmatite;--. STA61 PIC63 RAV65
Bunger Hills	(recalc. from 735 MY in STA61 and RAV65, and 700 MY in STA59; loc.="SW coast of Rybii Khvost Bay" in RAV65)
66°17S 100°47E G	723 MY(328b)KA16 WR Vein leucogranite;
Bunger Hills	--. STA61 PIC63 RAV65
	(recalc. from 750 MY in STA59 and RAV65, and 705 MY in STA59; dscrpt.="pegmatite" in STA61; loc.="Geologov Island" in RAV65)
66°17S 100°47E G	777 MY(#?)KA16 WR Rapakivi boulders;
Bunger Hills	--. STA59 PIC63
	(recalc. from 760 MY in STA59)
66°17S 100°47E G	602 MY(#?)KA16 WR Shadow migmatite;--. STA61 PIC63
Bunger Hills	(recalc. from 625 MY in STA61)

66°17S 100°47E G Bunger Hills	627 MY(720c)KA16 WR Vein leucogranite; --. STA61 PIC63 RAV65 (recalc. from 650 MY in STA61 and RAV65; dscrpt.= "pegmatite" in STA61; loc.="Soglasiya Lake area" in RAV65)
66°17S 100°47E G Bunger Hills	617 MY(173)KA16 WR Pyroxene schist; --. STA61 PIC63 RAV65 (recalc. from 640 MY in STA61 and RAV65; loc.= "Oasis Station Area" in RAV65)
66°17S 100°47E G Bunger Hills	704 MY(247)KA16 WR Feldspathized pyroxene schist; --. STA61 PIC63 RAV65 (recalc. from 730 MY in STA61 and RAV65; loc.= "Center of Main Fault valley" in RAV65)
66°17S 100°47E G SW Bunger Hills	1041 MY(622b)KA16 WR Skialithic granite from pryo- xene schist;--. STA61 PIC63 RAV65 (recalc. from 1075 MY in STA61 and RAV65)
66°17S 100°47E G Bunger Hills	1137 MY(847a)KA16 WR Migmatite from pyroxene schist; --. STA61 PIC63 RAV65 (recalc. from 1175 MY in STA61 and RAV65; loc.= "S. coast of Kinzhai Bay" in RAV65)
66°17S 100°47E G Bunger Hills	1094 MY(62e)KA16 WR Migmatite from quartzite; --. STA61 PIC63 RAV65 (recalc. from 1130 MY in STA61 and RAV65; dscrpt. =biotite gneiss in STA61, loc.="Oasis Station Area" in RAV65)
66°17S 100°47E G Bunger Hills	968 MY(88)KA16 WR Migmatized quartzite; --. STA61 PIC63 RAV65 (recalc. from 1000 MY in STA61 and RAV65; and 950 MY in STA59; dscrpt.=gneiss in STA61; loc.= "Oasis Station Area" in RAV65)
66°17S 100°47E G Bunger Hills	973 MY(184a)KA16 WR Biotite schist -- skialithic migmatite substrate;--. STA61 PIC63 RAV65 (recalc. from 1005 MY in STA61 and RAV65, and 940 MY in STA59; loc.="Oasis Station Area" in RAV65)
66°17S 100°47E G Bunger Hills	944 MY(403(Ch))KA16 WR Biotite gneiss; --. STA60 PIC63 (recalc. from 975 MY in STA60)
66°17S 100°47E G "Druzhba Island," Bunger Hills locale	689 MY(561)KA16 WR Intermediate charnockite; --. STA61 PIC63 RAV65 (recalc. from 715 MY in STA61; loc.="Obryvistyi Island" in RAV65)
66°17S 100°47E G "Druzhba Island," Bunger Hills locale	963 MY(560)KA16 Migmatite from gneiss; --. STA61 PIC63 RAV65 (recalc. from 995 MY in STA61; loc.="Obryvistyi Island" in RAV65)
66°17S 100°47E G "Druzhba Island," Bunger Hills locale	1225 MY(560a)KA16 WR Skialithic granite from gneiss; --. STA61 PIC63 RAV65 (recalc. from 1265 MY in STA61; loc.="Obryvistyi Island" in RAV65; dscrpt.="pink polymigmatite" in STA61)
66°17S 100°47E G Bunger Hills	750 MY(#?)K/A WR Morainic loam, 3-0.1 mm size fraction;--. KRY62 (loc. given as "Banger Oasis")

66°17S 100°47E G Bunger Hills	560 MY(#?)K/A WR Morainic loam, less than 0.005 mm size fraction;--. KRY62 (loc. given as "Banger Oasis")
66°17S 100°47E G Bunger Hills	860 MY(#?)K/A WR Eolian sand, 1-3 mm size fraction; --. KRY62 (loc. given as "Banger Oasis")
66°17S 100°47E G Bunger Hills	830 MY(#?)K/A WR Eolian sand, less than 1 mm size fraction;--. KRY62 (loc. given as "Banger Oasis")
66°17S 100°47E G Bunger Hills	835 MY(#?)K/A WR Eolian sand, 1-3 mm size fraction; --. KRY62 (loc. given as "Banger Oasis")
66°17S 100°47E G Bunger Hills	850 MY(#?)K/A WR Eolian sand, less than 1 mm size fraction;--. KRY62 (loc. given as "Banger Oasis")
66°17S 100°47E G Bunger Hills	920-970 MY(#?)K/A WR? 3 specimens of crystalline schists;--. RAV58 (data appears superseded by later reports)
66°17S 100°47E G Bunger Hills	910 MY(#?)K/A BT Pegmatite vein in migmatite; --. RAV58
66°17S 100°47E G Bunger Hills	920 MY(#?)K/A BT Pegmatite vein in migmatite; --. RAV58
66°18S 100°48E G (Algae Lake)	1016 MY(925)KA16 WR Skialithic granite from pyroxene schist;--. STA61 PIC63 RAV65 (recalc. from 1050 MY in STA61 and RAV65; loc.="SE end of Figurnoe Lake" in RAV65)
66°07S 100°57E G Thomas Island	516 MY(#?)KA16 WR Feldspathized biotite-garnet gneiss;--. STA61 PIC63 (recalc. from 535 MY in STA61; not included in later reports such as RAV65)
66°07S 100°57E G Thomas Island	774 MY(152)KA16 WR Pyroxene-schist; --. STA61 PIC63 RAV65 (recalc. from 800 MY in STA61 and RAV65; dscrpt.= garnet gneiss in STA61)
66°12S 101°00E G (Fuller Island)	612 MY(565a)KA16 WR Shadow polymigmatite; --. STA61 PIC63 RAV65 (recalc. from 635 MY in STA61 and RAV65; loc. given as "Kashalot Island")
66°12S 101°00E G (Fuller Island)	718 MY(#?)KA16 WR Charnockite-mangerite series; --. STA61 PIC63 (recalc. from 745 MY in STA61; loc. given as "Kashalot Island"; may be same sample as #681, 745 MY charnockite from Booth Pen. in RAV65)
66°05S 101°00E G Highjump Archipelago	472 MY(#?)KA16 WR Feldspathized granite-gneiss; --. STA61 PIC63 (recalc. from 490 MY in STA61)
66°05S 101°00E G Highjump Archipelago	472 MY(#?)KA16 WR Pegmatite;--. STA61 PIC63 (recalc. from 490 MY in STA61)
66°05S 101°00E G Highjump Archipelago	472 MY(#?)KA16 WR Pegmatite;--. STA61 PIC63 (recalc. from 490 MY in STA61)
66°06S 101°13E G (Booth Peninsula)	745 MY(681)KA6 WR Intermediate charnockite;--. RAV65 (may be same sample as 745 MY charnockite from Fuller Island; loc. given as "Charnokitovyi Island" in RAV65 and as "Charnokitovy Peninsula" in RAV64)

66°06S 101°13E G (Booth Peninsula)	564 MY (674)KA16 WR Vein leucogranite; --. STA61 PIC63 RAV65 (recalc. from 585 MY in STA61 and RAV65; loc. given as "Charnockite Island")
66°39S 108°26E R Davis Islands	1070 MY(GA 383)KA10 BT Adamellite; --. WEB64
66°S 110°E M Windmill Islands and Casey Sta. areas	1600-3100 MY(#?)P/P ZR Ion microprobe determinations on "a wide variety of rocks." LOV79
66°S 110°E M Areas of Windmill I.'s, Casey, Wilkes Sta.'s	1100-1400 MY RSI WR Gneisses of upper amphibolite to granulite facies;--. ARR75
66°S 110°E M Areas of Windmill I.'s, Casey, Wilkes Sta.'s	c.1100 MY(#?)RSM MC,BT Pegmatites; --. ARR75
66°14S 110°09E R Charlton Island	1050 MY(GA 738)KA10 Granulite; --. WEB64
66°14S 110°11E R Nelly Island	1130 MY(GA 737)KA10 BT Schist; --. WEB64
66°12S 110°23E R Lilienthal Island	1140 MY(GA 736)KA10 BT Schist; --. WEB64
66°11S 110°25E R Chappel Island	1050 MY(GA737)KA10 BT Schist; --. WEB64
66°11S 110°25E G Chappel Island	1450+70-90 MY,2990+230-190 MY(7810/28;234A)UP3C5 ZR Paragneiss; Windmill Metamorphics. WIL83 (from rim and core of same grain; max. age of rim=1817±27 MY, min. age of core=2726±30 MY; the 3 apparent ages for each fraction are in WIL83)
66°11S 110°25E G Chappel Island	1763±103 MY(7810/28;234)UP0C5 ZR Paragneiss; Windmill Metamorphics. WIL83 (UP ages: 1763 MY, 1751 MY, 1737 MY)
66°11S 110°25E G Chappel Island	1270 MY,1289 MY,1322 MY(7810/28;227A)UP5 ZR Paragneiss; Windmill Metamorphics. WIL83
66°11S 110°25E G Chappel Island	1192 MY,1230 MY,1297 MY(7810/28;231-4)UP5 ZR Paragneiss; Windmill Metamorphics. WIL83
66°11S 110°25E G Chappel Island	1128 MY,1200 MY,1334 MY(7810/28;231-3)UP5 ZR Paragneiss; Windmill Metamorphics. WIL83
66°11S 110°25E G Chappel Island	1366 MY,1404 MY,1463 MY(7810/28;246)UP5 ZR Paragneiss; Windmill Metamorphics. WIL83
66°22S 110°27E G Ardery Island	1050 MY,1100 MY(3)KA15* BT Quartz diorite;--. CAM60 (*constants corrected for inferred misprint)
66°19S 110°27E G Pidgeon Island	1477±73 MY RS9I3/0.7032±0.0004 WR Layered tonalitic orthogneisses; Windmill Metamorphics. WIL83 ("model two isochron age")
66°19S 110°27E G Pidgeon Island	1465±34 MY(#?)SNMC1 WR Tonalitic gneiss; oldest orthogneiss sequence, Windmill metamorphics. WIL83
66°20S 110°28E G 5 mi. N, Wilkes Sta., Windmill Islands	1120 MY(2)KA15* BT Contorted migmatite;--. CAM60 (*constants corrected for inferred misprint)
66°20S 110°28E G 5 mi. N, Wilkes Sta., Windmill Islands	1120 MY,1110 MY(2)RSM4 BT Contorted migmatite; --. CAM60

66°20S 110°28E G "Grisson Oasis," Windmill Islands	1045 MY(141)KA16 WR Leucogranitic vein material from migmatite;--. STA61 PIC63 RAV65 (recalc. from 1080 MY in STA61 and RAV65, and 1020 MY in STA59)
66°20S 110°28E G "Grisson Oasis," Windmill Islands	741 MY(#?)KA16 WR Granodiorite;--. STA61 PIC63 (recalc. from 765 MY in STA61 and 780 MY in STA59)
66°20S 110°28E G "Grisson Oasis," Windmill Islands	731 MY(#?)KA16 WR Gneiss;--. STA61 PIC63 (recalc. from 755 MY in STA61)
66°20S 110°28E G "Grisson Oasis," Windmill Islands	818 MY(192(Ch))KA16 WR Porphyritic granite; --. STA60 PIC63 (recalc. from 845 MY in STA60)
66°20S 110°28E G "Grisson Oasis," Windmill Islands	905 MY(210(Ch))KA16 WR Biotite gneiss; --. STA60 PIC63 (recalc. from 935 MY in STA60)
66°20S 110°28E G "Grisson Oasis," Windmill Islands	741 MY(146(V))KA16 WR Granite gneiss; --. STA60 PIC63 (recalc. from 765 MY in STA60)
66°20S 110°28E G "Grisson Oasis," Windmill Islands	852 MY(187)KA16 WR Acid charnockite; --. STA60 PIC63 RAV65 (recalc. from 880 MY in STA60 and RAV65; dscrpt.= granite in STA60)
66°20S 110°28E G "Grisson Oasis," Windmill Islands	866 MY(222)KA16 WR Acid charnockite; --. STA60 PIC63 RAV65 (recalc. from 895 MY in STA60 and RAV65; dscrpt.= granite in STA60)
66°20S 110°28E G "Grisson Oasis," Windmill Islands	915 MY(251)KA16 WR Acid charnockite; --. STA60 PIC63 RAV65 (recalc. from 945 MY in STA60 and RAV65; dscrpt.= granite in STA60)
66°20S 110°28E G S. Windmill Islands	1200 MY(#?)RSM WR Charnockite; Ardery Charnockite. BLI77 (date is based on more than one WR age)
66°28S 110°30E G E. shore, Peterson I.	1800±130 BP(#?)14C SE Cranium muscles, mummified sea elephant, 30 m. high coastal bench. VOR62 KOR71
66°24S 110°31E R Ford Island	1110 MY(GA 733)KA10 BT Adamellite; --. WEB64
66°24S 110°31E G Ford and/or Cloyd I.	1100-1140 MY(#?)RSM WR Pink, prophyritic granite; Ford Granite. BLI77 (range of ages per P.A. Arriens, pers. comm.)
66°15.5S 110°31.2E R Clark Peninsula	6040±250 MY(M-1052)14C1 AL Archaeolithothamnion, coralline, 65 ft. a.s.l.;--. CRA61
66°17S 110°32E G Casey Sta. area (nr Bailey Pen.)	230-270 MY(#?)FIK AP Coastal rocks; --. KEL79C
66°13S 110°38E R Berkeley Island	1080 MY(GA 734)KA10 BT Gneiss; --. WEB64
66°24S 110°38E G Herring Island	1275±21 MY,2529±108 MY(786-T38)UP5C5 ZR Garnet hypersthene gneiss;--. OLI83 (the 3 discordant ages for each of six zircon fractions are listed in a table in OLI83)
66°35S 110°41E G Haupt Nunatak	950 MY(1)KA15* BT Garnet-biotite-gneiss;--. CAM60 (*constants corrected for inferred misprint)

66°35S 110°41E G Haupt Nunatak	720+300-650 MY,1540+780-220 MY(7810/21)UP7C5 ZR Granitic orthogneiss; Windmill Metamorphics. WIL83 (the 3 apparent ages for each fraction are in ref)
66°00S 111°07E R Balaena Islands	1110 MY(GA 741)KA10 BT Adamellite; --. WEB64
66°00S 111°13E R Balaena Islands	1060 MY(GA740)KA10 BT Adamellite; --. WEB64
66°02S 111°13E R Balaena Islands	510 MY(GA739)KA10 PL Gabbro; --. WEB64

GEOGRAPHIC AREA 24:	WILKES LAND EAST OF 120°00E (samples from west to east by coordinates)
66°53S 120°38E G Henry Islands	731 MY(1230)KA16 WR Granite (altered charnockite); --. STA61 PIC63 RAV65 (recalc. from 755 MY in STA61 and RAV65, and 720 MY in STA59; loc.=Henry Bay in STA61)
66°47S 121°00E G Chick Island	675 MY(1229)KA16 WR Intermediate charnockite; --. STA61 PIC63 RAV65 (recalc. from 700 MY in STA61 and RAV65, and 660 MY in STA59; loc.=Henry Bay in STA61)
66°28S 126°45E G Al'bov Rocks	1055 MY(1232)KA16 WR Leucogranitic migmatite vein material from gneiss;--. STA61 PIC63 RAV65 (recalc. from 1090 MY in STA61; "1070 MY" in RAV65 appears to be misprint; may be the same as the 1044 MY sample from STA59 and PIC63)
66°28S 126°45E G Al'bov Rocks	1044 MY(#?)KA16 WR Pegmatoid granite; --. STA59 PIC63 (recalc. from 1020 MY in STA59; appears to be the same sample as #1232 above)
66°37S 139°44E G Helene Island	1530 MY(DS 395)RSM4 BT Pegmatite vein; --. BEL62
66°40S 140°01E G Petrel Island	1543 MY(DS 394)RSM4 BT Granite vein in gneiss; --. BEL62
66°40S 140°01E* Dumont d'Urville	280 MY(#?)FTK AP Unspecified;--. KEL79C (*coords. from "Polar Regions Atlas")
66°40S 140°01E* Dumont d'Urville	466 MY(#?)FTK AP Erratic boulder;--. KEL79C (*coords. from "Polar Regions Atlas")

GEOGRAPHIC AREA 25:	GEORGE V COAST (samples from west to east by coordinates)
67°00S 142°40E G Cape Denison*	428±103 MY,2366±30 MY(786-T60)UP4C5 ZR Biotite gneiss;--. OLI83 (*loc. given as w/in a few meters of Mawson's Hut; the 3 discordant ages for each fraction are in ref)
66°54S 142°40E G Commonwealth Bay area	1540 MY(#?)R/S MC,BT Pegmatites;--. JAM83 (avg. age from Arriens, unpubl. data; prob. part of the 1500-1700 MY samples from Cape Denison)
67°00S 142°40E G Cape Denison	1500-1700 MY(#?)R/S MC,BT Unspecified. ARR75 (infer=1600-1700 MY R/S MC ages and 1550 MY BT ages from pegmatites cutting gneiss in Commonwealth Bay area -- Arriens, pers. comm., in OLI83)
67°00S 142°40E G Cape Denison	1300-1700 MY(#?)RSM WR? Erratic boulders from moraine;--. ARR75 (unspecified number of samples)
66°54S 142°40E G Commonwealth Bay	320 MY(#?)FTK AP Unspecified. KEL79C
67°43S 146°34E G Cape Bage	487 MY(1235)KA16 WR Granite;--. STA60 PIC63 RAV65 (recalc. from 505 MY in STA60; infer "#1135" in STA61 is misprint)
67°48S 146°37E G Ainsworth Bay	463 MY(1234)KA16 WR Rose granite;--. STA60 PIC63 RAV65 (recalc. from 480 MY in STA60; loc.="Cape Ploskii" in RAV65)
67°48S 146°37E G Ainsworth Bay	337 MY(#?)KA16 WR Gray granite;--. STA61 PIC63 (recalc. from 350 MY in STA61)
67°48S 146°37E G Ainsworth Bay	755 MY(#?)KA16 WR Pink granite;--. STA61 PIC63 (recalc. from 780 MY in STA61)
67°48S 146°37E G Ainsworth Bay	461 MY(#?)KA16 WR Porphyroblastic granite; --. STA59 PIC63 (recalc. from 450 MY in STA59)
67°51S 146°55E G Cape Webb, Ainsworth Bay area	458 MY(1239p)KA16 WR Xenolith in porphyroblastic granite;--. STA61 PIC63 RAV65 (recalc. from 475 MY in STA61 and RAV65, and 450 MY in STA59)
67°51S 146°55E G Cape Webb, Ainsworth Bay area	458 MY(1240b)KA16 WR Porphyroblastic granite; --. STA61 PIC63 RAV65 (recalc. from 475 MY in STA61 and RAV65, and 450 MY in STA59; infer "745 MY" in STA61 is error)
67°51S 146°55E G Cape Webb, Ainsworth Bay area	458 MY(1239)KA16 WR Porphyroblastic granite; --. STA61 PIC63 RAV65 (recalc. from 475 MY in STA61 and RAV64, and 485 MY in STA59)
67°51S 146°55E G Cape Webb, Ainsworth Bay area	453 MY(1239e)KA16 WR Biotite-schist xenolith in granite;--. STA61 PIC63 RAV65 (recalc. from 470 MY in STA61 and RAV65, and 445 MY in STA59)
68°21S 149°45E G Horn Bluff	191 MY(5r)KA16 WR Dolerite; Beacon Group Sill. STA61 PIC63 RAV65 (recalc. from 195 MY in STA61 and RAV64; infer "165 MY" in RAV65 is misprint)

$68^{o}54S$ $154^{o}10E$ G Mt. Obruchev	175 MY(15)KA16 WR Dolerite; Beacon Group sill. STA59 PIC63 RAV65 (recalc. from 170 MY in STA59; infer=same sample as 175 MY, "Anyuta Cape" sample in STA61)

GEOGRAPHIC AREA 26:	OCEAN SITES WITHIN C. 250 KM OF THE EAST ANTARCTIC COAST, EXCLUDING ROSS SEA (samples from west to east by coordinates)
69°S 15°E RM nr Queen Maud Land	340 MY(235*)K/A WR Iceberg silt;--. KRY62 CRA70 (*=station number)
c. 68°S 20°E M Queen Maud Land Sector	295±35 MY(226*)K/A Terrigenous minerals in iceberg silt;--. KRY61A (*=station number; more info. in Russian in ref.)
67°S 46°E RM nr Enderby Land	380 MY(206*)K/A WR Iceberg silt;--. KRY62 CRA70 (*=station number)
67°S 70°E RM nr Mac. Robertson Land	640 MY(198*)K/A WR Iceberg silt;--. KRY62 CRA70 (*=station number)
c. 68°S 75°E M Mac. Robertson Land Sector	475±40 MY(193*)K/A Terrigenous minerals in iceberg silt;--. KRY61A (*=station number; more info. in Russian in ref.)
66°S 79°E RM nr Christensen Coast	460 MY(185*)K/A WR Iceberg silt;--. KRY62 CRA70 (*=station number)
65°30S 93°30E RM Davis Sea	460 MY(158*)K/A WR Iceberg silt;--. KRY62 CRA70 (*=station number)
65°S 104°E RM nr Knox Coast	610 MY(23*)K/A WR Iceberg silt;--. KRY62 CRA70 (*=station number)
65°30S 115°30E RM nr Sabrina Coast	650 MY(330*)K/A WR Iceberg silt;--. KRY62 CRA70 (*=station number)
65°S 132°E RM nr Clarie Coast	690 MY(43*)K/A WR Iceberg silt;--. KRY62 CRA70 (*=station number)
c. 65°S 145°E M George V Coast Sector	350±50 MY(51*)K/A Terrigenous minerals in iceberg silt;--. KRY61A (*=station number; more info. in Russian in ref.)
68°S 155°E RM nr George V Coast	500 MY(57*)K/A WR Iceberg silt;--. KRY62 CRA70 (*=station number; age also given as 505 MY in Table 2 of KRY62)
c. 68°S 165°E M Oates Coast Sector	290±120 MY(373*)K/A Terrigenous minerals in iceberg silt;--. KRY61A (*=station number; more info. in Russian in ref.)
c. 69°S 175°E M "Skotta Island"	40±20 MY(377*)K/A Terrigenous minerals in iceberg silt;--. KRY61A (*=station number; more info. in Russian in ref.)

GEOGRAPHIC AREA 27: ROSS ICE SHELF, MCMURDO SOUND, AND ROSS SEA; BLACK, WHITE, ROSS, AND FRANKLIN ISLANDS (samples from south to north by coordinates)

82°22S 168°38E R Ross Ice Shelf Site J9	174±75 MY(PNW-23A,PNW-23B)RS2I3/0.7155±0.0023 FD Glacial-marine sediments. FAU79 FAU83 ("provenance date")
78°31S 166°25E G near east end, Minna Bluff	GT 51,000 BP(K76-58;QL-1129)14Cl Macrofossils in Ross Ice Shelf, assoc. with Globocassidulina biora. KEL79A
78°13.9S 166°26.1E R Black I.	3.8±0.09 MY(VUW21205;YU-McM-21205)KA9 WR Pyroxene trachyte; Aurora Trachyte Fm. WEB72 ARM78
78°13.7S 166°27.4E R Black I.	3.35±0.14 MY(VUW 21208;YU-McM-21208)KA9 WR Alkali olivine basalt; Nubian Basalt Fm. WEB72 ARM78
78°12S 166°44E RM nr E. Black I.	3590±80 BP(QL-1222)14Cl SH Mixture of shells from debris band on surface of McMurdo Ice Shelf. STU81
78°12S 166°44E RM nr E. Black I.	3610±40 BP(QL-1132)14Cl SH Mixture of shells from debris band on surface of McMurdo Ice Shelf. STU81
78°10S 166°30E RM btwn Black Island and Brown Pen.	3770±40 BP(QL-1130)14Cl SH Mixture of shells from debris band on surface of McMurdo Ice Shelf. STU81
78°10S 166°30E RM nr N Black I.	1260±30 BP(QL-1128)14Cl SH Mixture of shells from debris band on surface of McMurdo Ice Shelf. STU81
78°10S 166°30E RM btwn Black Island and Brown Pen.	3130±40 BP(QL-167)14Cl SH Mixture of shells from debris band on surface of McMurdo Ice Shelf. STU81
78°10S 166°30E RM nr Black I.	1290±50 BP(QL-79)14Cl SH Mixture of shells from debris band on surface of McMurdo Ice Shelf. KEL77 STU81
78°10S 166°30E RM* nr NE shore, Black I.	3630±90 BP(QL-1123)14Cl SH Mixture of shells from debris band of McMurdo Ice Shelf. STU78 (*coords. are from STU81)
78°09.3S 166°19.8E R Black I.	10.9±0.4 MY(YU-McM-21230)KA9 WR Alkali olivine basalt; Melania Basalt Fm. ARM78
77°53S 165°15E RM nr Dailey Islands	1370±50 BP(QL-77)14Cl SH Mixture of shells from debris band of McMurdo Ice Shelf. STU81
77°53S 165°15E RM nr Dailey Islands	1340±30 BP(QL-1225)14Cl SH Mixture of shells from debris band on surface of McMurdo Ice Shelf. STU81
77°53S 165°15E RM nr Dailey Islands	3370±80 BP(QL-97)14Cl AL Mat, nonmarine, stranded on ice-cored moraine, McMurdo Ice Shelf. STU81
77°51S 166°41E G Observation Hill RM	1.17±0.03 MY(OH1-12-63;73028)KA12 WR Trachyte; --. FOR74 (mean age of 3 trachytes in FOR74=1.18±0.03 MY)
77°51S 166°41E G Observation Hill RM	1.16±0.03 MY(OH1-8-63;73030)KA12 WR Trachyte; --. FOR74 (mean age of 3 trachytes in FOR74=1.18±0.03 MY)
77°51S 166°41E G Observation Hill RM	1.22±0.04 MY(OH51-1-63;73029)KA12 WR Trachyte; --. FOR74 (mean age of 3 trachytes in FOR74=1.18±0.03 MY)
77°51S 166°40E G Observation Hill RM	1.8 MY(K-57g)KA6 WR Trachyte;--. POL76 (more info. in Russian in POL76)
77°51S 166°40E G Observation Hill RM	1.3 MY(K-57v)KA6 WR Trachyte;--. POL76 (more info. in Russian in POL76)
77°51S 166°40E G Observation Hill RM	10.0 MY(K-57)KA6 WR Trachyte;--. POL76 (more info. in Russian in POL76)

77°51S 166°38E G	0.8 MY(K-66)KA6 WR Plagiobasalt;--. POL76
Hut Pt. Promontory RM	(more info. in Russian in POL76)
77°50'59.68"S	1.32±0.16 MY(#?)KA17 WR Basanite clast;
166°40'28.77"E*	nr top of hyaloclastite unit 16, 173.93 m deep.
DVDP hole 2, Ross I.	KYL78
	(*coords. taken from DVDP Bull. 3)
77°50'59.68"S	1.16±0.03 MY(#?)KA17 WR Ne-benmoreite;
166°40'28.77"E*	flow unit 7, 62.38 m deep. KYL78
DVDP hole 2, Ross I.	(*coords. taken from DVDP Bull. 3)
77°50.4S 166°39.5E R	0.57±0.03 MY(YU-McM-HP26;22900)KA9 WR Olivine basalt;
Hut Point Peninsula	Nubian Basalt Fm. ARM78
77°50.3S 166°40.3E R	0.43±0.07 MY(YU-McM-HP18;22892)KA9 WR Olivine basalt;
Black Knob,	Nubian Basalt Fm. ARM78
Hut Pt. Pen.	
77°50S 166°40E*	1.34±0.23 MY(#?)KA17 WR Basanite clast;
DVDP hole 1, Ross I.	nr top of hyaloclastite unit 40, 148.81 m deep.
	KYL78
	(coords. taken from DVDP Bull. 3)
77°50S 166°40E*	1.21±0.11 MY(#?)KA17 WR Ne-hawaiite;
DVDP hole 1, Ross I.	flow unit 10, 25.52 m deep. KYL78
	(*coords. taken from DVDP Bull. 3)
77°50S 165°50E RM	4630±80 BP(QL-1127)14C1 SH Mixture of shells from
btwn Ross I-Brown Pen.	debris band on surface of McMurdo Ice Shelf. STU81
77°50S 165°50E RM	6510±50 BP(QL-1126)14C1 SH Mixture of shells from
btwn Ross I-Brown Pen.	debris band on surface of McMurdo Ice Shelf. STU81
77°50S 165°50E RM	6600±60 BP(QL-166)14C1 SH Mixture of shells from debris
btwn Ross I-Brown Pen.	band on surface of McMurdo Ice Shelf.
	KEL77 STU76A STU81
77°50S 165°50E RM	4140±60 BP(QL-85)14C1 AL Mat, nonmarine, stranded
btwn Ross I-Brown Pen.	on ice-cored debris band, McMurdo Ice Shelf. STU81
77°50S 165°50E RM	5670±100 BP(QL-84)14C1 SH Mixture of shells from debris
btwn Ross I-Brown Pen.	band on surface of McMurdo Ice Shelf. KEL77 STU81
77°49S 166°39E G	0.4 MY(K-46a)KA6 WR Gray olivine basalt;--. POL76
Arrival Heights RM	(more info. in Russian in POL76)
77°49S 166°39E G	3.4 MY(K-45v)KA6 WR Speckled olivine basalt;--. POL76
Arrival Heights RM	(more info. in Russian in POL76)
77°48.5S 166°44.6E R	1.0±0.15 MY(YU-McM-HP4;22878)KA9 WR Hornblende basalt
Half Moon Crater	(or trachybasalt); Melania Basalt Fm. ARM78
77°48S 166°46E G	4.7 MY(K-53)KA6 WR Hornblende basalt;
"Sulphur Cone"	--. POL76
(nr Castle Rock) RM	(more info in Russian in POL76)
77°48S 166°46E G	2.2 MY(K-42)KA6 WR Amphibole basalt;--. POL76
Castle Rk, Ross I. RM	(more info in Russian in POL76)
77°48S 166°46E G	0.5 MY(K-76)KA6 WR Amphibole basalt;--. POL76
Castle Rock RM	(more info in Russian in POL76)
77°48S 166°46E G	1.21±0.05 MY(22879)KA17 WR Basanite dike;
Castle Rock RM	--. KYL74 KYL81A
77°46S 166°51E G	5.0 MY(K-2)KA6 WR Kenyte;--. POL76
N part, Hut Pt Pen. RM	(more info in Russian in POL76)
77°38S 166°24E G	1570±90 BP(#?)14C AL Remains. YAM67 DOR81
Cape Evans	
77°35S 166°14E M	2760±100 BP(Y-2643)14C1 GB Mat, alt. 70 m on surface
nr Cape Barne,	of ice-cored Ross Sea Drift. DEN70 STU81
Ross Island	("Y-2623" in DEN70 should read Y-2643)

77°35S 166°14E RM nr Cape Barne, Ross Island	GT 49,000 BP(Y-2642)14Cl SH Mixture, in sponge mat resting on ice core, overlain by kenyte-rich Ross Sea ablation drift, 59 m a.s.l. DEN70 STU81
77°35S 166°14E RM Cape Barne, Ross Island	GT 47,000 BP(Y-2641)14Cl SH Mixture, in sponge mat resting on ice core, overlain by kenyte-rich Ross Sea ablation drift, 28.0-32.0 m a.s.l. DEN70 STU81
77°35S 166°14E RM nr Cape Royds, Ross Island	36,300+1200-1000 BP; 39,000+2100-1700 BP(QL-83)14Cl SH Marine (largely Serpulae), mixed into Ross Sea ablation drift on ice core. STU81
77°34S 166°12E G Backdoor Bay, Ross I.	120,000±6000 BP(#?)U/T SH Mollusk in uplifted marine seidments with Globocassidulina biora. KEL79A STU81
77°34S 166°13E G N of Deep Lake, Cape Barne	36,000±2300 BP(#?)14Cl CA Mollusca and Bryozoa from marine sediment above the permafrost table. HEN69
77°33.5S 166°16.2E R Cape Barne*	0.8±0.2 MY(YU-McM-PKA6;22909)KA9 WR Basalt;--. ARM78 (*"Middle Cone")
77°33.4S 166°16.9E R Cape Barne*	0.94±0.05 MY(YU-McM-PKA7;22910)KA9 FD Kenyte;--. ARM78 (*btwn. "Middle and East cones")
77°33S 166°09E G Cape Royds	0.68±0.14 MY(#?)K/A AN Trachyte (Antarctic kenyte) flow; youngest flow exposed. TRE67 TRE68
77°32.0S 167°07.6E R 2nd Crater, Mt. Erebus	0.20±0.07 MY(YU-McM-E15)KA9 WR Glassy kenyte; McMurdo Volcanic Group. ARM78
77°32.0S 167°07.6E R 2nd Crater, Mt. Erebus	0.15±0.05 MY(YU-McM-E15)KA9 WR Glassy kenyte; McMurdo Volcanic Group. ARM78
77°31.9S 167°08.8E R summit, Mt. Erebus	0.44±0.09 MY(YU-McM-ES)KA9 AN Decomposed glass froth; McMurdo Volcanic Group. ARM78
77°31.9S 167°08.8E R summit, Mt. Erebus	0.45±0.2 MY(YU-McM-13170)KA9 GS Trachyte; McMurdo Volcanic Group. ARM78
77°31.9S 167°08.8E R summit, Mt. Erebus	0.55±0.15 MY(YU-McM-13710)KA9 AN Trachyte; McMurdo Volcanic Group. ARM78
77°31.9S 167°57.1E R summit, Mt. Terra Nova	0.8±0.5 MY(YU-McM-14970)KA9 AN Pyroxene trachyte; McMurdo Volcanic Group. ARM78
77°31.0S 169°19.4E R Cape Crozier	1.29±0.05 MY(YU-McM-PKA52;22955)KA9 WR Pyroxene trachyte; Aurora Trachyte Fm. ARM78
77°31S 169°24E G Cape Crozier area RM	1.71 MY(#?)K/A -- Volcanic rock sample(s); McMurdo Volcanic Group. KYL81 (sample taken from RM, source not determined)
77°30S 168°00E G Ross Island and vicinity*	c.1500 MY PPM WR 18 phonolites, trachybasalts, and basanitoids; Cenozoic volc. province. SUN75 (*one sample is from Taylor Valley, Mt. Discovery, and Mt. Morning; two-stage model lead age)
77°29.3S 167°11.5E R Fang Ridge, Mt. Erebus	0.81±0.02 MY(YU-McM-E10)KA9 WR Fine grained plagioclase basalt; McMurdo Volc. Gp. (oldest rk. on ridge). ARM78
77°28.7S 167°11.2E R Fang Ridge, Mt. Erebus	0.73±0.07 MY(YU-McM-3AA)KA9 WR Porphyritic plagioclase basalt; McMurdo Volc. Gp. (youngest flows on ridge). ARM78
77°28.2S 169°13.9E R Cape Crozier	1.31±0.04 MY(YU-McM-PKA40;22934)KA9 WR Hornblende trachyte; Aurora Trachyte Fm. ARM78
77°27.8S 169°18.6E R Cape Crozier	0.8±0.14 MY(YU-McM-PKA73;22976)KA9 WR Olivine basalt; Melania Basalt Fm. ARM78

77°26.48S 178°30.19W R Site 270, SE Ross Sea	26.1±0.4 MY,25.9±0.4 MY(73-1184)KA12 GU Calcareous greensand; unit 3. MCD76 (DSDP Leg 28, Sample 270-43-6, 125-135 cm (364 m subbottom depth), c. 2% impurities)
77°26.48S 178°30.19W R Site 270, SE Ross Sea	27.9±0.4 MY,28.1±0.4 MY(73-1184)KA12 GU Calcareous greensand; unit 3. MCD76 (DSDP Leg 28, Sample 270-43-6, 125-135 cm (364 m subbottom depth), c. 8% impurities)
77°21.7S 173°04.0E, 77°25.5S 173°46.5E, 77°26.1S 174°47.7E R Ross Sea	7360+3700-2500 BP(QL-1125)14C1 OC Diatom-rich sediment; basal portion of unit A. KEL79 (composite sample from Ross Sea trigger cores GL76-1TW, 10-15 cm; GL76-12TW, 15-20 cm; and GL76-13TW, 12-23 cm)
77.17.1S 166°43.2E summit, Mt. Bird	4.5±0.6 MY(YU-McM-15970)KA9 WR Trachyte; --. ARM78
77°17.0S 166°21.9E R Cape Bird	3.15±0.09 MY(YU-McM-PKA32;22935)KA9 WR Pyroxene-hornblende trachyte; Aurora Trachyte Fm. ARM78
77°16.7S 166°20.6E R Cape Bird	3.0±0.15 MY(YU-McM-PKA31;22934)KA9 WR Hornblende trachyte; Trachyte Hill Fm. ARM78
77°15.1S 166°22.2E R Cape Bird	3.7±0.2 MY(YU-McM-PKA29;22932)KA9 WR Olivine-augite-plagioclase basalt; Melania Basalt Fm. ARM78
77°10.3S 168°06E R Ross Sea	5600±120 BP(QL-1288)14C1 OC Diatom-rich sediment, bulk sample; Unit A. KEL79B (from core GL78-11, 240-270 cm depth)
77°10S 166°41E G Cape Bird RM	43,000±6700 BP(588)14C SH Fragments (dominated by lamellibranch Zygochlamys)in volcanic cgl.; Scallop Hill Fm. SPE62 (min. age since partial recrystallization)
77°10S 168°05E R Ross Sea	7490±120 BP(QL-1287)14C1 OC Diatom-rich sediment, bulk sample; Unit A. KEL79B (from core GL78-10, 310-340 cm depth)
77°10S 168°05E R Ross Sea	3480±80 BP(QL-1286)14C1 OC Diatom-rich sediment, bulk sample; Unit A. KEL79B (from core GL78-7, 10-40 cm depth)
76°23S 166°53E R Ross Sea	6490±100 BP(QL-1285)14C1 OC Diatom-rich sediment, bulk sample; Unit A. KEL79B (from core GL78-7, 10-40 cm depth)
76°05S 168°19E RM W side, Franklin I.	1750±70 BP(QL-170)14C1 PQ Adelie, in seacliff exposure; top of upper unit of bedded brown sand and gravel. STU81
76°05S 168°19E RM W side, Franklin I	3150±80 BP(QL-169)14C1 PQ Adelie, in seacliff exposure; middle of upper unit of bedded brown sand and gravel. STU81
76°05S 168°19E RM W side, Franklin I.	5340±50 BP(QL-141)14C1 PQ Adelie, lowermost remains in seacliff exposure; base of upper unit of bedded brown sand and gravel. DEN75 STU81
76°00.7S 168°21E R Franklin I.	4.8±2.0 MY(YU-McM-R2C)KA9 WR Olivine basalt; McMurdo Volcanic Group. ARM78

GEOGRAPHIC AREA 28:	MARIE BYRD LAND (samples from west to east by coordinates)
78°09S 155°18W R Tennant Peak	92±5 MY(#?)K/A BT Granite;--. WAD69 WAD72A (from C. Craddock, pers. comm.)
78°04S 155°07W R Breckenridge Peak	102±3 MY(#?)K/A BT Schist;--. WAD69 WAD72A (from C. Craddock, pers. comm.)
77°52S 154°58W R Mt. Jackling	104±4 MY(#?)K/A BT Granite;--. WAD69 WAD72A (from C. Craddock, pers. comm.)
78°05'30"S 154°48W R Mt. Franklin	95.9±3.5 MY(#?)K/A BT Granitoid rock; --. WAD72
78°02S 154°36W R Mt. Paterson	102±4 MY(#?)K/A BT Granite (basis segregation); --. WAD69 WAD72A (from C. Craddock, pers. comm.)
77°02S 148°36W R Prezbecheski I.	107±4 MY(#?)K/A BT Granitoid rock; --. WAD72
77°52S 148°10W R McKinley Peak	101±4 MY(#?)K/A BT Granitoid rock; --. WAD72
76°25S 147°22W G Mitchell Peak	95±5 MY(66-D-172)RSM4/0.707* BT Biotite-quartz-feldspar schist;--. HAL72 (*calculated from total-rock-mineral data)
76°25S 147°22W G Mitchell Peak	102±5 MY(66-D-166)RSM4/0.706* BT Quartz-biotite-schist;--. HAL72 (*calculated from total-rock-mineral data)
76°54S 146°45W R Radford I.	355±12 MY(#?)K/A BT Granodioritic pluton; --. WAD72
76°29S 146°20W G Birchall Peaks*	98±5 MY(66-D-164)RSM4/0.710 BT Gneiss;--. HAL72 (*south nuns.)
76°29S 146°20W G Birchall Peaks*	100±5 MY(66-D-159)RSM4/0.715 BT Gneiss;--. HAL72 (*cen. nuns.)
76°33S 145°50W R Fosdick Mountains	130 MY(K-182)K/A WR Amphibolite; Proterozoic gneiss-migmatite complex. LOP76
76°51S 145°48W R Saunders Mtn.	348±12 MY(#?)K/A BT Granodioritic pluton; --. WAD72
76°15S 145°42W R West Nunatak	134±5 MY(#?)K/A BT Granitoid rock; --. WAD72
77°04S 145°38W R The Billboard	101±4 MY(#?)K/A BT Granitoid rock; --. WAD72
76°15S 145°36W R Phillips Mountains RM	120 MY(K-186v)KA6 WR Porphyraceous granite; intrusive "Chalky complex." KRY70 LOP76
76°40S 145°30W R Chester Mtns.	98.4±3.6 MY(#?)K/A BT Granitoid rock; --. WAD72
76°06'30"S 145°08W R Webster Bluff	88±3.4 MY(#?)K/A WR Granitoid rock; --. WAD72
76°16S 145°07W G Mt. June area and Phillips Mtns.*	352±21 MY RS8I4/0.7066±0.0168 WM Quartz diorite; --. HAL68 (*northmost nun. in W. Phillips Mtns.)
76°16S 145°07W G Mt. June area and Phillips Mtns.*	320±40 MY RS3I4 WR Quartz diorite; --. HAL68 (*northmost nun. in W. Phillips Mtns.)
76°16S 145°02W R Mt. June	328±5 MY(#?)K/A BT Granodioritic pluton; --. WAD72
77°33S 145°00W R Mt. West	475 MY(K-144)KA6 WR Phyllite-like schist; metasedimentary/metavolcanic complex. KRY70 LOP76

77°33S 145°00W R Mt. West	470 MY(K-144-A)KA6 WR Phyllite-like schist; metasedimentary/metavolcanic complex. KRY70 LOP76
77°26S 145°00W R Mt. West	445 MY(K-159)KA6 WR Phyllite-like schist; metasedimentary/metavolcanic complex. KRY70 LOP76
76°30S 144°50W RM midway btwn Mt.'s Colombo and Lockhart	92±5 MY(66-D-98)RSM4/0.724* BT Biotite-feldspar gneiss;--. HAL72 (*calculated from total-rock-mineral data)
76°28S 144°50W R N Flank, Fosdick Mtns.	39±4 MY(66-D-91)KA7 FD Scoriaceous olivine-basalt; intraglacial volcanic deposits. LEM82
76°30S 144°50W R Fosdick Mountains	120 MY(K-167)K/A WR Amphibolite; Proterozoic gneiss-migmatite complex. LOP76
76°30S 144°50W R Fosdick Mountains	100 MY(K-167[3])KA6 WR Biotite-cordierite schist; Proterozoic gneiss-migmatite complex. KRY70 LOP76
77°10S 144°48W G Asman Ridge RM	115 MY(K-177)KA6 WR Porphyraceous granite; --. KRY70
77°10S 144°48W G Asman Ridge RM	155 MY(K-181-A)KA6 WR Quartzite; --. KRY70
77°10S 144°48W G Asman Ridge RM	110 MY(K-176)KA6 WR Mica schist in contact with granites;--. KRY70
76°34S 144°41W R Fosdick Mtns.	92±5 MY(#?)K/A BT Biotite-gneiss;--. WAD69 WAD72A (from C. Craddock, pers. comm.)
76°34S 144°39W G W of Mt. Richardson	96±5 MY(66-D-88A)RSM4/0.716* MC Muscovite granite --. HAL72 (*calculated from total-rock-mineral data)
76°36S 144°30W R Fosdick Mountains	100 MY(K-172)KA6 WR Biotite-granite-gneiss; Proterozoic gneiss-migmatite complex. KRY70 LOP76
76°49S 144°26W R Wiener Peaks	299±11 MY(#?)K/A BT Granitoid rock; --. WAD72
76°31S 144°21W R Fosdick Mountains	190 MY(K-202-L)KA6 WR Magmatized-biotite-gneiss; Proterozoic gneiss-migmatite complex. KRY70 LOP76
76°50S 144°12W R Weiner Peaks	290 MY(K-134)KA6 WR Biotite granite; Mid. Paleozoic intrusive. KRY70 LOP76
76°32S 144°08W G W of Mt. Perkins	96±5 MY(66-D-63)RSM4/0.725* BT Granodiorite-gneiss; --. HAL72 (*calculated from total-rock-mineral data)
76°32S 144°08W G W of Mt. Perkins	93±5 MY(66-D-64)RSM4/0.714* BT Quartz-monzonite-gneiss; --. HAL72 (*calculated from total-rock-mineral data)
76°32S 144°08W R Mt. Perkins	110.0 MY(K-151v)KA6 WR Basalt from a fragment in tuff; Cenozoic volcanics. POL76 LOP76
76°30S 144°00W R Mt. Perkins	4.5±0.5 MY(66-D-30)KA7 WR Basalt in hyaloclastite; upper part, 40m thick hyaloclastite section. LEM82
76°30S 144°00W R Mt. Perkins	3.4±0.3 MY(66-D-28)KA7 WR Basalt in hyaloclastite; stratigraphically below sample 66-D-30. LEM82
76°30S 144°00W R Mt. Perkins	19±2 MY(66-D-27)KA7 FD Basalt nodule in hyaloclastite; stratigraphically below 66-D-28. LEM82
76°58S 143°48W R Mt. Swan	334±12 MY(#?)K/A BT Granodioritic pluton; --. WAD72
76°57S 143°45W R Mt. Swan	325 MY(K-125)K/A WR Granite; Mid. Paleozoic intrusive. LOP76 (Klimov, pers. comm.)
77°16'12"S 142°18'54"W R Mt. Atwood, Clark Mtns.	137±9 MY(BTB-30;523F)RSM4 KF Adamellite within pluton; intrudes metasediments. BOU66 WAD69

77°16'12"S 142°18'54"W R Mt. Atwood, Clark Mtns.	116+10 MY(BTB-30;523R;F5*)RSM4 WR Adamellite within pluton; intrudes metasediments. BOU66 WAD69 (*=site number in SCH72)
77°16'12"S 142°18'54W R Mt. Atwood, Clark Mtns.	143+4 MY(BTB-30;523B)KA13 BT Adamellite within pluton; intrudes metasediments. BOU66 WAD69
77°17S 142°15W R Clark Mountains	140 MY(K-143)KA6 WR Leucocratic granite; intrusive "Chalky complex." KRY70 LOP76
75°37S 142°00W R Mt. Shirley	156 MY R/S WR Diabasitic metaporphyrite; metasedimentary/metavolcanic complex. CRA70 LOP76
75°37S 142°00W R Mt. Shirley	100 MY(#?)K/A WR Diabasitic metaporphyry; metasedimentary/metavolcanic complex. CRA70 LOP76 (only one 100 MY sample is listed in CRA70 while LOP76 also lists a 100 MY syenite; infer one or both of these=100+2 metavolcanic in SPO81)
75°37S 142°00W R Mt. Shirley	100 MY(#?)K/A WR Quartzose syenite; intrusive "Chalky complex." CRA70 LOP76 (only one 100 MY sample is listed in CRA70 while LOP76 also lists a 100 MY metaporphyry; infer one or both of these=100+2 MY metavolcanic in SPO81)
75°52S 141°10W G Mt. McCoy	103+4 MY(#?)K/A WR Metavolcanic rocks;--. SPO81 (may=Mt. Hartkopf syenite in CRA70, LOP76)
76°00S 141°00W R Mt. Hartkopf	103 MY(#?)K/A WR Quartzose syenite; intrusive "Chalky complex." CRA70 LOP76 (may=Mt. McCoy metavolcanic in SPO81)
75°54S 140°58W R Mt. Pearson RM	109+9 MY,112+9 MY(7677Tr;RC1A)KA9 WR Andesite dike; Cretaceous Volcanic Rocks. GRI83
75°54S 140°57W G Mt. Pearson (=Pearson Peak)	121 MY(#?)RSM3/0.705 BT Plutonic igneous rock; --. HAL79
76°01S 140°41W G Milan Rock	101 MY(#?)RSM3/0.705 BT Plutonic igneous rock; --. HAL79
74°45S 140°40W R Cruzen Island	268+0.13 MY(51C)KA7 WR Subaerial basalt nr top of 150 m section; overlies 100+ m hyaloclastite. LEM83
75°53S 140°36W G Lewis Bluff	128 MY(#?)RSM3/0.705 BT Plutonic igneous rock; --. HAL79
73°52S 140°30W R Lewis Bluff RM	104+3 MY(7682Tr;RC23B)KA9 WR Dolerite dike; Cretaceous Volcanic Rocks. GRI83
75°39S 140°05W R Bailey Nun. RM	91+2 MY(7668Tr;RC7A)KA9 WR Camptonite dike; Cretaceous Volcanic Rocks. GRI83
75°32S 140°02W G Billey Bluff	102 MY(#?)RSM3/0.705 BT Plutonic igneous rock --. HAL79
75°32S 140°02W G Billey Bluff	94+12 MY RS5I3/0.7054+0.0013 WR Plutonic igneous rocks;--. HAL79
75°32S 140°02W G Billey Bluff	113+1 MY(#?)K/A WR Porphyritic basalt; --. SPO81 (infer=113 MY syenite of intrusive "Chalky complex" cited from CRA70 by LOP76)
75°40S 140°02W G Bailey Nunatak	98+1 MY(#?)K/A WR Rhyolite porphyry;--. SPO81 (infer=98 MY syenite of intrusive "Chalky complex" cited from CRA70 by LOP76)
75°32S 140°02W G Landry Peak (=Billey Bluff)	92 MY(#?)R/S --* Granite;--. MET78 (*infer=92 MY BT from syenite of the intrusive "Chalky complex" cited from CRA70 by LOP76)

77°00S 140°00W G nunataks,* Ford Ranges	98±3 MY RS6I4/0.7060±0.0015 WR Monzonite, quartz diorite, granodiorite, and adamellite; (Andean orogenic belt). HAL68 (*Mt. Corey, Mt. Peddie, O'Connor Nun., Hutcheson Nun.)
75°29S 139°45W G Ickes Mtns.	96 MY(#?)K/A AM Alkali granite;--. MET78 (infer=96 MY syenite from intrusive "Chalky complex" cited from CRA70 by LOP76)
75°20S 138°25W R Mt. Shirley	140 MY R/S WR Diabasitic metaporphyrite; metasedimentary/metavolcanic complex. CRA70 LOP76
75°38S 138°10W R Ruppert Coast	115 MY(K-240)KA6 WR Trachytic metaporphyry; metasedimentary/metavolcanic complex. KRY70 LOP76
75°24S 137°54W R Lambert nun. RM	94±3 MY(7670Tr; RC42A)KA9 WR Quartz dolerite dike; Cretaceous Volcanic Rocks. GRI83
75°05S 137°45W R Mt. Giles	473 MY(#?)R/S WR Gabbro; Early Paleozoic intrusive. CRA70 CRA72 LOP76
75°05S 137°45W R Mt. Giles	423 MY(#?)R/S WR Diorite; Early Paleozoic intrusive. CRA70 CRA72 LOP76
75°09S 137°37W G Mt. Giles, and 75°01S 136°42W G Mt. Gray	154±35 MY RS3I WR Gabbro(1), quartz monzonite(1) and quartz diorite (1);--. MET78 (first 2 rocks from Mt. Giles, third rock from Mt. Gray)
75°09S 137°37W G Mt. Giles	103 MY(#?)RSM3/0.705 BT Plutonic igneous rock; --. HAL79
75°09S 137°37W G Mt. Giles	133 MY(#?)RSM3/0.705 BT Plutonic igneous rock; --. HAL79
74°45S 136°50W R Cape Burks RM	99±3 MY,95±3 MY(7672Tr;CB7A)KA9 WR Andesite dike; Cretaceous Volcanic Rocks. GRI83
75°05S 136°20W R Mt. Gray	317 MY(#?)R/S WR Diorite; Early Paleozoic intrusive. CRA70 CRA72 LOP76
76°01S 136°16W G Mefford Knoll	0.63±0.03 MY(14B)KA7 WR Subaerial lava, 125 m above ice level;--. LEM83
76°04S 136°11W G Kraut Rocks	0.62±0.05 MY(7E)KA7 WR Subaerial lava, 200 m above ice level;--. LEM83
76°03S 136°03W G Merrem Peak	LT 0.1 MY(31A)KA7 WR Subaerial lava, 1000 m aboe ice level;--. LEM83
75°57S 136°00W R Brandenberger Bluff	2.58±0.10 MY(3C)KA7 WR Basalt lens of nodule in hyaloclastite; base of section, at ice level. LEM83
75°57S 136°00W R Brandenberger Bluff	2.23±0.26 MY(3D)KA7 WR Basalt lens or nodule in hyaloclastite; base of section, at ice level. LEM83
75°57S 136°00W R Brandenberger Bluff	2.70±0.10 MY(4C)KA7 WR Basalt lens or nodule in hyaloclastite; top of section. LEM83
76°06S 135°56W G Wedemeyer Rocks	2.5±0.2 MY(67A-35)KA7 WR Subaerial lava, 200 m above ice level;--. LEM83
76°03S 135°52W G Berlin Crater	LT 0.1 MY(23C)KA7 WR Subaerial lava, 1300 m above ice level;--. LEM83
75°00S 135°40W R Bowyer Butte	9.56±0.90 MY(57D)KA7 WR Basalt, 5 m. tk, on hyaloclastite; overlain by 10-20 m of flow rock. LEM83 (13±2 MY date from LEM82 from same section)
75°59S 135°18W G Edwards Spur	4.6±0.3 MY(67-1A)KA7 WR Subaerial lava, 200 m above ice level;--. LEM83
76°03S 135°08W G Mt. Moulton	4.68±0.61 MY(2A)FTK GS Volcanic rock; --. SEW80
76°03S 135°08W G Mt. Moulton	4.8±0.4 MY(2A)K/A GS Volcanic rock;--. SEW80 (same or closely adjacent to sample 2A, FTK date)

75°00S 135°00W R Bowyer Butte RM	13±2 MY(5)KA7 WR Basalt in hyaloclastite; "single subaerial(?) flow on basement." LEM72 LEM82 (previously reported as 23.2±2.1 MY in LEM72)
76°04S 134°43W G Prahl Crags	4.8±0.4 MY(67-2A)KA7 WR Subaerial lava, 450 m above ice level;--. LEM83
75°10S 134°30W G Bennett Bluff	101 MY(#?)RSM3/0.705 BT Plutonic igneous rock; --. HAL79
74°58S 134°11W G Mt. Prince	75 MY(#?)RSM3/0.705 BT Plutonic igneous rock; --. HAL79
74°58S 134°10W R Mt. Prince RM	91±3 MY(7673Tr;HC17)KA9 WR Microdiorite dike; Cretaceous Volcanic Rocks. GRI83
74°55S 133°50W R Holmes Bluff	6.0 MY(K-268d)KA6 WR Basalt; Cenozoic volcanics. POL76 LOP76
75°07S 133°45W R S end, Kouperov Pk	8.21±0.33 MY(47B)KA7 WR Subaerial lava, 180 m above ice level;--. LEM83
75°00S 133°45W R Holmes Bluff	8.17±0.33 MY(48B)KA7 WR Subaerial basalt flow; rest on peneplain remnant at 600 m. elev. LEM83
75°00S 133°45W R N side, Holmes Bluff	6.27±0.25 MY(50A)KA7 WR Basalt flow, 20 m. tk, with 1 m. of basal hyaloclastite. LEM83
74°59S 133°43W G Holmes Bluff	99 MY(#?)RSM3/0.705 BT Plutonic igneous rock; intrudes metasedimentary and metaigneous rks. HAL79
74°59S 133°43W G Holmes Bluff	100 MY(#?)RSM3/0.705 BT Plutonic igneous rock; intrudes metasedimentary and metaigneous rks. HAL79
74°59S 133°43W G Holmes Bluff	101 MY(#?)RSM3/0.705 BT Plutonic igneous rock; intrudes metasedimentary and metaigneous rks. HAL79
75°14S 133°42W R Patton Bluff RM	99±4 MY(7669Bi;HC8)KA9 BT Microdiorite dike; Cretaceous Volcanic Rocks. GRI83
75°13S 133°40W R Patton Bluff	9.97±0.40 MY(37A)KA7 WR Basalt flow, 5 m. tk, with 1 m of basal hyaloclastite; rests on peneplain. LEM83
75°20S 133°40W R Coleman Nunatak	2.63±0.11 MY(35K)KA7 WR Basalt lens or nodule in hyaloclastite; top of section. LEM83
75°20S 133°40W R Coleman Nunatak	3.19±0.33 MY(35E)KA7 WR Basalt lens or nodule in hyaloclastite; middle portion of section. LEM83
75°20S 133°40W R Coleman Nunatak	2.34±0.11 MY(35m)KA7 WR Basalt lens or nodule in hyaloclastite; middle portion of section. LEM83
75°10S 133°35W R Shibuya Peak	4.66±0.50 MY(38A)KA7 WR Basalt lens or nodule in hyaloclastite; middle of section, at top of tillite. LEM83
75°10S 133°35W R Shibuya Peak	4.75±0.20 MY(38C)KA7 WR Basalt lens or nodule in hyaloclastite; middle of section at top of tillite. LEM83
75°40S 133°30W R Shibuya Peak, Hobbs Coast RM	4.4±0.2 MY(6C)KA7 WR Basalt in hyaloclastite; upper part of the 100-200 m subaquatic basal succession. LEM73 LEM82 (previously reported as 6.6±0.7 MY, 75°10S 133°45W in LEM72)
76°01S 133°11W G Starbuck Crater	8.54±0.34 MY(25A)KA7 WR Subaerial lava, 100 m above ice level;--. LEM83
76°01S 133°11W G Starbuck Crater	9.0±1.0 MY(67A-7)KA7 WR Subaerial lava, 100 m above ice level;--. LEM83
76°00S 133°04W G Koerner Bluff	9.42±0.40 MY(67A-21)KA7 WR Subaerial lava, 450 m above ice level;--. LEM83
76°00S 133°04W G E of Koerner Bluff	9.31±0.37 MY(29A)KA7 WR Cinder cone, 400 m above ice level;--. LEM83
75°58S 133°02W G Syrstad Rock	10.4±0.4 MY(24A)KA7 WR Subaerial lava, 30 m above ice level;--. LEM83

76°00S 132°46W G Heaps Rock	6.04±0.24 MY(27A)KA7 WR Subaerial lava, 400 m above ice level;--. LEM83
74°25S 132°43W G Mt. Petinos	0.6 MY(10*)K/A -- Basaltic hyaloclastite; --. LEM80 (0.6±0.1 MY date given for Hawaiite in MCI81 may be based on this sample)
76°01S 132°39W G Hutt Peak	0.43±0.06 MY(28A)KA7 WR Cinder cone, 650 m above ice level;--. LEM83
74°23S 132°33W G Mathewson Pt.	0.6 MY(#?)K/A -- Thin basalt flow or cinder cones; overlie hyaloclastites. LEM80
74°23S 132°33W G Mathewson Pt.	1.5 MY(#?)K/A -- Basaltic hyaloclastite; --. LEM80
74°25S 132°30W R Shepard Island	0.6±0.1 MY(8E)KA7 WR Basalt lens or nodule in hyaloclastite; from +100 m level of the section. LEM83
74°25S 132°30W R Shepard Island	0.42±0.06 MY(9F)KA7 WR Basalt lens or nodule in hyaloclastite; from +300 m level of the section. LEM83
74°25S 132°30W R Shepard Island	0.6±0.1 MY(10D)KA7 WR Late subaerial trachyte flow, at sea level. LEM83
75°35S 132°20W R W Mt. Kauffman	5.5±0.5 MY(67B-8)KA7 WR Subaerial lava, 350 m above ice level;--. LEM83
75°50S 132°20W R W end, Lind Ridge, Mt. Andrus	11.1±0.5 MY(61C)KA7 FD Subaerial lava, 300 m above ice level;--. LEM83
75°50S 132°20W R WSW spur, Mt. Andrus	14.3±2.2 MY(67B-2)KA7 WR Subaerial lava, 200 m above level;--. LEM83
75°50S 132°20W R South Caldera wall, Mt. Andrus	10.5±0.4 MY(58D)KA7 WR Subaerial lava, 1100 m above ice level;--. LEM83
75°50S 132°20W R ctr., Lind Ridge, Mt. Andrus	10.0±0.4 MY(59B)KA7 WR Subaerial lava, 900 m above ice level;--. LEM83
75°50S 132°20W R E end, Lind Ridge Mt. Andrus	LT 0.1 MY(60A)KA7 WR Cinder cone, 900 m above ice level;--. LEM83
75°50S 132°20W R NW Mt. Andrus	11.3±0.4 MY(44F)KA7 WR Subaerial lava, 800 m above ice level;--. LEM83
75°43S 132°15W R W Mt. Kosciusko	10.0±0.4 MY(40A)KA7 WR Subaerial lava, 200 m above ice level;--. LEM83
75°43S 132°15W R W Mt. Kosciusko	8.66±0.35 MY(40C)KA7 WR Cinder cone, 200 m above ice level;--. LEM83
75°43S 132°15W R W Mt. Kosciusko	8.5±0.5 MY(67B-6)KA7 WR Subaerial lava, 200 m above ice level;--. LEM83
75°43S 132°15W R SW Mt. Kosciusko	10.3±0.4 MY(43A)KA7 WR Cinder cone, 800 m above ice level;--. LEM83
75°48S 132°14W G Mt. Andrus	10.8±0.5 MY RS3I4/0.7035 WR Trachyte and obsidian; supraglacial stratovolcano. HAL70A LEM72A
76°00S 132°00W G Mt. Bursey	3.8 MY(0G-21.67)K/A WR Olivine-basalt; supraglacial stratovolcano. GON72 LEM72A
75°35S 132°00W R N end, Ames Range	5.5±0.5 MY(67-B-8)K/A WR Trachyte; stratovolcano succession. LEM76
75°45S 132°00W R cen. Ames Range	8.5±0.5 MY(67-B-6)K/A WR Trachyte; stratovolcano succession. LEM76

74°25S 131°50W R Grant Island	0.7±0.1 MY(11E)KA7 WR Basalt lens or nodule in hyaloclastite; from phreatomagmatic tuff cone. LEM83 (infer=from Mt. Obiglio, mentioned in LEM82A)
75°55S 128°46W R Navarette Pk. RM	104±3 MY(7671Hb;MP7A)KA9 HB Microdiorite dike; Cretaceous Volcanic Rocks. GRI83
75°52S 128°39W G 1 km S of Mt. Petras summit RM	25.3±1.0 MY(PT67E)K/A WR Palagonite-tuff-breccia (hyaloclastite); c.150-200m thick section overlying erosion surface of rhyodacite. LEM81
75°52S 128°39W G 1 km S of Mt. Petras summit	23.0±1.0 MY(PT67M)K/A WR Palagonite-tuff-breccia (hyaloclastite); c.150-200m thick section overlying erosion surface of rhyodacite. LEM81
75°52S 128°39W G nr top, Mt. Petras RM	84.7±4.7(?) MY(13d)K/A WR Coarsely crystalline basalt flow; topographically above 13b. LEM72
75°45S 128°30W R Mt. Petras	80.8±5.7 MY(12C)K/A PL Rhyodacite ash flow; Mesozoic Suite. LEM76
75°50S 128°30W R Mt. Petras RM	22±1 MY(13b)KA7 WR Basalt in hyaloclastite; from thin blanket of subaquatic basal succession that overlies basement. LEM72 LEM82 (previously reported as 22.2±1.6 MY in LEM72)
77°10S 127°00W R S peak, Mt. Waesche	1.0±0.1 MY(33c)K/A WR Basalt (Hawaiite); --. LEM72B LEM76
11°10S 127°00W R S peak, Mt. Waesche	0.2±0.2 MY(39A')K/A WR Basalt (Benmoreite); Stratovolcano succession. LEM72B LEM76
77°10S 127°00W R Mt. Waesche	0.93±0.18 MY,1.48±0.33 MY(32A)FTK GS Volcanic rock; --. LEM72B SEW80 (natural age and corrected age, respectively, for annealed sample)
77°10S 127°00W R N caldera, Mt. Waesche	1.6±0.2 MY(32A)KA7 SN Rhyolite;--. LEM72B LEM76 SEW80 (same or closely adjacent to sample 32A, FTK date)
77°02S 126°06W G vicinity of Mt. Sidley	6.2 MY(#?)KA8 WR Anorthoclase-trachyte boulder; stratovolcano. DOU64 GON72
76°40S 126°00W R Mt. Cumming	9.7±0.5 MY(27A)K/A WR Trachyte; stratovolcano succession. LEM76
76°30S 126°00W R Whitney Pk., Mt. Hampton	13.4±0.5 MY(24A)K/A AN Volcanic rock; stratovolcano succession, NW caldera. LEM76
76°30S 126°00W R SE caldera, Mt. Hampton	8.3±0.5 MY(20D)K/A AN Volcanic rock; stratovolcano. LEM76
76°54S 126°00W R Mt. Hartigan	7.6±0.5 MY(46B)K/A WR Mugearite; stratovolcano succession. LEM76
75°55S 125°45W R Mt. Galla	87.6±4 MY(37)K/A FD Vitrophyric rhyolite; Mesozoic Suite. LEM76
75°50S 125°30W R USAS Escarpment	27±1 MY(58b)KA7 WR Basalt in hyaloclastite; from poorly exposed, subaquatic basal succession. LEM72 LEM76 LEM82 (previously reported as 31.3±2.0 MY in LEM72 LEM76)
76°03S 124°30W R Mt. Aldaz RM	19.4±1.5 MY(56b)KA7 WR Holocrystalline basalt; 100 m thick subaquatic basal succession over basement. LEM72 LEM76 LEM82 (76°00S 124°30W in LEM76)
76°30S 118°00W R Mt. Steere RM	8.3±0.3 MY(73)KA7 WR Holocrystalline basalt; base of 1,200m thick subaquatic basal succession. LEM72 LEM82 (previously rpt. as 7.0±1.1 MY in LEM72)

76°48S 117°42W R Mt. Frakes	6.0 MY(39)KA6 WR Basalt; Cenozoic volcanics. POL76 LOP76
76°57S 116°57W R Boyd Ridge	11.0 MY(36)KA6 WR Hyaloclastite tuff; Cenozoic volcanics. POL76 LOP76
75°30S 116°00W R Toney Mtn. RM	0.500±0.2 MY(76B)K/A WR Felsite; subaerial stratovolcano succession.LEM72 LEM72A
75°30S 116°00W R Toney Mtn.	0.5±0.1 MY(75)K/A WR Benmoreite; stratovolcano succession. LEM76
75°50S 115°51W R S slope, Toney Mt.	11.5 MY(47a)KA6 WR Alkali trachyte; Cenozoic volcanics. POL76 LOP76 (age=12.0 MY in LOP76)
75°48S 115°48W G Toney Mtn, alt. 1515	13.0 MY(42a)KA6 WR Alkali trachyte; Cenozoic volcanics. POL76 LOP76 (age=2.3 MY in LOP76)
75°48S 115°48W G Toney Mtn.	0.24±0.05,0.29±0.10 MY(76D)FTK GS Volcanic rock; --. SEW80 (natural age and corrected age, respectively, for annealed sample)
75°48S 115°48W G Toney Mtn.	0.5±0.2 MY(76D)K/A GS Volcanic rock;--. SEW80 (same or closely adjacent to sample 76D, FTK date)
75°30S 115°00W R Cox Bluff, Toney Mtn. RM	9.0±1.0 MY(80A)K/A WR Holocrystalline basalt; lower part, 200m thick subaerial basal succession. LEM72 LEM76 (reported as 9.1±1.0 MY in LEM72)
75°49S 115°00W R "Schist Ridge," Jones Mountains	12.0 MY(43v)KA6 WR Basalt; Cenozoic volcanics. POL76 LOP76
74°07S 114°55W R Martin Peninsula	370 MY(21v)K/A WR Metaporphyrite; metasedimentary/metavolcanic complex. LOP76
75°06S 114°23W R Kohler Range	13.0 MY(22)KA6 WR Olivine basalt; Cenozoic volcanics POL76 LOP76
74°25S 114°10W G Martin Pen. RM	118±6 MY(W10*)RS2I4/0.706 BT,WR Quartz-diorite; pluton. SCH72 (*=site number)
75°00S 114°00W R Leister Peak RM	9.8±1.7 MY(84)K/A WR Holocrystalline basalt; basal succession. LEM72 LEM76
75°11S 113°50W R Kohler Range	90 MY(3)K/A WR Adamellite; intrusive "Chalky complex." LOP76
75°11S 113°50W R Kohler Range	150 MY(3v)K/A WR Principal dike; intrusive "Chalky complex." LOP76
75°11'20"S 113°49W R Early Bluff	101±4 MY(#?)K/A BT Granitoid rock; --. WAD72
75°04S 113°44W R Kohler Range	295 MY(4)K/A WR Metaporphyry; metasedimentary/metavolcanic complex. LOP76
74°59S 113°43W G Mt. Isherwood	174 MY(#?)RSM3/0.705 BT Plutonic igneous rock; --. HAL79
74°59S 113°36W R Mt. Isherwood	283±10 MY(#?)K/A BT Granitoid rock; --. WAD72
74°58S 113°21W R Mt. Strange	265±20 MY(246)RS3I4/0.705 WR,BT,MC Quartz-diorite; --. HAL72
74°10S 113°20W R Kohler Range	95 MY(8)K/A WR Adamellite; intrusive "Chalky complex." LOP76
74°10S 113°20W R Kohler Range	90 MY(8)K/A BT Adamellite; intrusive "Chalky complex." LOP76

74°40S 113°20W R Kohler Range	90 MY(7)K/A WR Diorite; intrusive complex. LOP76
74°42S 113°02W R Wunneburger Rk.	101±4 MY(#?)K/A BT Granitoid rock; --. WAD72
76°00S 112°00W R Mt. Takahe	0.2±0.2 MY(65B)KA7 WR Basalt in hyaloclastite; intraglacial volcanic deposits. LEM72B LEM82
76°00S 112°00W R Mt. Takahe RM	LT 0.240 MY(65C)KA7 WR Aegerine syenite cognate inclusion; subaquatic stratovolcano succession. LEM72 LEM72A LEM82
76°00S 112°00W R Mt. Takahe	0.3±0.3 MY(67A)KA7 WR Basalt in hyaloclastite; intraglacial volcanic deposits. LEM72B LEM82
74°33'45"S 111°45W R Jeffrey Head	143±11 MY(#?)K/A BT Granitoid rock; --. WAD72
74°34S 111°44W R Bear Peninsula	130 MY(14)K/A WR Adamellite; intrusive "Chalky complex." LOP76
74°38S 111°44W R Bear Peninsula	295 MY(12)K/A WR Diorite; Late Paleozoic intrusive. LOP76
74°38S 111°44W R Bear Peninsula	290 MY(12)K/A AM Diorite; Late Paleozoic intrusive. LOP76
74°40S 111°30W RM NE Marie Byrd Land	244±44 MY(10e)RSM4/0.706±0.002 WR Aplite; basement rocks. HAL73 HAL74 (sample #="10f" in HAL74; ref. isochron age for #'s 10e, 26, and 26d = 240 MY)
75°15S 111°30W R Turtle Peak	13±3 MY(61A)KA7 WR Basalt in hyaloclastite; base of 800-1000m thick section. LEM82
75°15S 111°30W R Turtle Peak RM	15±5 MY(61B)KA7 WR Basalt in hyaloclastite; base of 800-1000m thick section. LEM72 LEM82 (previously reported as 42±9 MY, from base of 300-400m subaquatic basal succession, in LEM72)
74°40S 111°30W R Bear Peninsula	475 MY(10b)K/A WR Amphibolite; Proterozoic gneiss-migmatite complex. LOP76
75°27S 111°20W R Dorrel Rock	44±2 MY,42±2 MY(60A)KA7 WR Coarse-grained alkaline gabbro; subvolcanic pluton. LEM72 LEM82 (previously reported as 53.1±4.2 MY in LEM72)
75°27S 111°20W R Dorrel Rock	28±2 MY(60D)KA7 WR Aegerine syenite dike; in the gabbro described for sample 60A. LEM82
75°25S 111°20W R Dorrel Rock	45.0 MY(25)K/A WR Gabbro-dolerite; Cenozoic volcanics. LOP76 (more info. in Russian in LOP76)
75°22S 111°18W R Turtle Peak	9.0 MY(27)KA6 WR Hyaloclastite tuff; Cenozoic volcanics. POL76 LOP76
74°30S 111°16W R Bear Peninsula	145 MY(16a)K/A WR Andesitic porphyrite; metasedimentary/metavolcanic complex. LOP76
75°15S 111°00W R Mt. Murphy RM	0.90±0.14 MY(62A)KA7 WR Holocrystalline basalt; middle of 2,000m thick subaquatic basal succession. LEM72 LEM82 (previously rpt. as 0.82±0.14 MY in LEM72)
75°20S 110°53W R Mt. Murphy	5.0 MY(30)KA6 WR Olivine basalt; Cenozoic volcanics. POL76 LOP76
74°40S 110°30W R Bear Peninsula	225 MY(26v)K/A WR Porphyroblastic granodiorite; Proterozoic gneiss-migmatite complex. LOP76
74°40S 110°30W R Bear Peninsula	250 MY(26v)K/A BT Porphyroblastic granodiorite; Proterozoic gneiss-migmatite complex. LOP76

74°40S 110°20W RM NE Marie Byrd Land	240±20 MY(26)RSM4/0.706±0.002 BT Biotite-quartz-feldspar gneiss; basement rocks. HAL73 HAL74 (ref. isochron age for #'s 10e, 26, and 26d=240 MY)
74°40S 110°20W RM NE Marie Byrd Land	238±17 MY(26d)RSM4/0.706±0.002 KF Pegmatitic quartz and K-feldspar; basement rocks. HAL73 HAL74 (sample #="26e" in HAL74; ref. isochron age for #'s 10e, 26, and 26d = 240 MY)

GEOGRAPHIC AREA 29:	ELLSWORTH LAND, NORTH OF 77°00S (samples from west to east by coordinates)
74°10S 103°36W G Brownson Island RM and 74°25S 102°40W G Backer Island RM	112±5 MY(M-197,M-204,M-211)RS3I2/0.705 WR One granite, two leucogranites; (Andean intrusive belt). MUN72
73°37S 103°14W R Lindsey Islands	60 MY(151)K/A WR Biotite granite; intrusive "Chalky complex." LOP76
73°37S 103°14W R Lindsey Islands	125 MY(151a)K/A WR Lamprophyre dike; intrusive "Chalky complex." LOP76
73°37S 103°14W R Lindsey Islands	146 MY(151 v)K/A WR Porphyry dike; intrusive "Chalky complex." LOP76
74°07S 101°50W R McKinzie Island	105 MY(165b)K/A WR Biotite granite; intrusive "Chalky complex." LOP76
73°55S 101°22W R Mount Nickens	5.0 MY(155a)KA6 WR Basalt (pillow lava); Cenozoic volcanics. POL76 LOP76
72°10S 101°00W RM W. Thurston Island	347 MY(#?)R/S AM Paleozoic(?) intrusives and/or metamorphics.* CRA70 CRA72 (*"unpubl. data" shown on generalized RM)
72°07S 100°50W R Mt. Simpson	190 MY(68-50-1)K/A AM Amphibole-biotite granite; early Mesozoic intrusive complex. CRA70 LOP76
72°12S 100°48W R Thurston Island	220 MY(181)K/A WR Amphibole-biotite granite; early Mesozoic intrusive complex. LOP76
74°17S 100°05W R Hodgson Nunatak	9.0 MY(159)KA6 WR Hyaloclastite tuff; Cenozoic volcanics. POL76 LOP76
74°17S 100°05W R Hodgson Nunatak	12.0 MY(159a)KA6 WR Basalt from a fragment in hyaloclastite tuff; Cenozoic volcs. POL76 LOP76
74°17S 100°05W R Hodgson Nunatak	18.0 MY(159b)K/A WR Olivine basalt; Cenozoic volcanics. LOP76
72°08S 100°05W R Mt. Noxon	184 MY(68-51-1)K/A BT Biotite granite; early Mesozoic intrusive complex. CRA70 LOP76
72°08S 100°05W R Mt. Noxon	166 MY(68-51-1)R/S BT Biotite granite; early Mesozoic intrusive complex. CRA70 LOP76
74°30S 100°00W R Hudson Mountains	20±4 MY(#?)K/A WR Basalt; sub-glacial section. LEM72A (from T.S. Landon, unpubl. ms.; infer=#H-1, 20±4 MY, olivine basalt from Laudon in RUT68)
74°47S 99°41W R Mount Manthe	9.0 MY(208v)KA6 WR Basalt from crust; Cenozoic volcanics. POL76 LOP76
74°47S 99°41W R Mt. Manthe	64.0 MY(207a)K/A WR Basalt from a fragment in tuff; Cenozoic volcanics. LOP76
74°50S 99°30W R Mount Manthe	4.8±0.3 MY(42-6A)KA7 WR Basalt in hyaloclastite; top of 200m hyaloclastite section. LEM82
74°50S 99°30W R Mount Manthe	4.5±0.2 MY(42-5A)KA7 WR Basalt in hyaloclastite; below sample 42-6A. LEM82
74°50S 99°30W R Mount Manthe	4.9±0.3 MY(42-4A)KA7 WR Basalt in hyaloclastite; below sample 42-5A. LEM82
74°47S 99°21W G Mount Manthe	5.5±1.9 MY(H6)KA13 WR Basalt, subaerial flow-rocks; overlies hyaloclastite sequence. LAU82
74°47S 99°21W G Mount Manthe	8.3±1.0 MY(H4)KA13 WR Basalt, nodule within hyaloclastite; c. 50m from top of 200 m section. LAU82
74°47S 99°21W G Mount Manthe	4.8±1.6 MY(H2)KA13 WR Basalt, flow rock within hyaloclastite sequence; c. middle of 200m section. LAU82

74°22S 99°00W R	3.6±0.2 MY(28-3A)KA7 WR Basalt in hyaloclastite;
Velie Nunatak	intraglacial volcanic deposits. LEM82
72°04S 99°00W R	266 MY(68-54-1)K/A AM Quartzose diorite;
Guy Peak, Thurston I.	late Paleozoic intrusive complex. CRA70 LOP76
72°26S 98°42W R	145 MY(195)K/A WR Gabbro;
Boker Rock, Thurston I.	intrusive complex. LOP76
71°44S 98°27W R	140 MY(198a)K/A WR Gabbro;
"Mt. Fury," Thurston I.	intrusive complex. LOP76
72°09S 98°23W R	230 MY(6a)K/A WR Granodiorite;
Kohler Range	early Mesozoic intrusive complex. LOP76
72°27S 98°12W R	200 MY(179)K/A WR Andesitic porphyry;
Mt. Dowling,	metasedimentary/metavolcanic complex. LOP76
Thurston Island	
72°12S 97°50W R	348 MY(#?)K/A AM Gabbro;
"Mt. Babbier,"	late Paleozoic intrusive complex. CRA70 LOP76
Thurston Island	
72°28S 97°40W R	160 MY(68-63-1)K/A PY Gabbro;
Belknap Nunatak	intrusive complex. CRA70 LOP76
72°27S 97°24W R	140 MY(191)K/A WR Adamellite;
Shelton Head	intrusive "Chalky complex." LOP76
72°27S 97°24W R	60 MY(191 g)K/A WR Principal dike;
Shelton Head	intrusive "Chalky complex." LOP76
72°30S 96°47W G	13.2 MY(M-228)RSM2/0.706 BT Granodiorite;
Long Glacier,	--. MUN72
Thurston Island	
72°15S 96°20W R	233 MY(60-11-7)K/A BT Gneiss;
Thurston Island	Proterozoic gneiss-migmatite complex. CRA70 LOP76
72°12S 96°00W G	280±10 MY(60-10-8)RSM4/0.707 BT Quartz diorite gneiss;
SE wall, Morgan Inlet,	--. CRA64A
Thurston Island RM	
72°15S 96°00W R	502 MY(68-57-1)R/S CL Gneiss;
Thurston Island	Proterozoic gneiss-migmatite complex. CRA70 LOP76
72°15S 96°00W R	200 MY(60-12-8)K/A CL Gneiss;
Thurston Island	Proterozoic gneiss-migmatite complex. CRA70 LOP76
72°00S 95°45W R	314 MY(68-31-1)K/A AM Amphibolite;
Thurston Island	Proterozoic gneiss-migmatite complex. CRA70 LOP76
72°00S 95°45W R	430 MY(60-9-1)K/A AM Gneiss;
Thurston Island	Proterozoic gneiss-migmatite complex. CRA70 LOP76
72°20S 95°00W RM	138 MY(#?)K/A WR Paleozoic(?) intrusives and/or
E. Thurston Island	metamorphics.* CRA70 CRA72
	(*"unpubl. data" shown on generalized RM)
73°32S 94°27W G	9.6±0.5 MY,8.4±0.9 MY(69-C-18)K/A WR Basaltic flow;
below Snowplume Pk.	Jones Mts. volc. sequence. RUT72
73°32S 94°27W G	24±12 MY(61-1-1)K/A WR Olivine basalt;
Snowplume Peak	Jones Mts. volc. sequence. RUT68 RUT72
73°32S 94°27W G	10.0±1.2 MY,8.5±2.8 MY(69-C-17)K/A WR Basaltic flow;
Snowplume Peak	Jones Mts. volcanic sequence. RUT72
73°30S 94°26W R	210 MY(201)K/A WR Biotite granite;
"Mt. Jones"	early Mesozoic intrusive complex. LOP76
73°30S 94°24W G	225±50 MY(64-Jones-TB)K/A WR Olivine basalt;
Granite Spur	Jones Mts. volcanic sequence. RUT68 RUT72
73°30S 94°24W G	252±30 MY(64-Jones-TB)K/A WR Olivine basalt;
Granite Spur	Jones Mts. volcanic sequence. RUT68 RUT72
73°30S 94°24W G	210±8 MY(#?)R/S WR Granite;
Granite Spur	Basement Complex. RUT72

73°30S 94°22W G Avalanche Ridge	199±6 MY(61-159)K/A MC Porphyritic granite; Basement Complex. CRA64 RUT68
73°30S 94°22W G Avalanche Ridge	269±10 MY,332±15 MY(69-C-10)K/A WR Basaltic flow; Jones Mts. volc. sequence. RUT72
73°31S 94°20W G Pillsbury Tower	10.5±0.3 MY,9.6±0.3 MY(69-C-19)K/A WR Basaltic flow; Jones Mts. volcanic sequence. RUT72
73°31S 94°20W G Pillsbury Tower	6.8±0.3 MY,9.6±0.2 MY(69-C-20)K/A WR Basaltic flow; Jones Mts. volcanic sequence. RUT72
73°32S 94°17W RM "Plant Spur" Jones Mountains	52.2±5 MY,42.9±6 MY(69-C-12)K/A WR Basaltic flow; Jones Mts. volc. sequence. RUT72
73°32S 94°17W RM "Plant Spur" Jones Mountains	141±10 MY,148±15 MY(69-C-13)K/A WR Basaltic flow; Jones Mts. volc. sequence. RUT72
73°36S 94°12W G Forbidden Rocks	9.5±0.3 MY,10.8±0.6 MY(16)K/A WR Basaltic flow; Jones Mts. volcanic sequence. RUT72
73°36S 94°12W G "K Peak", W. of Forbidden Rocks	6.9±0.3 MY,6.1±0.15 MY,7.5±0.4 MY(69-C-9)K/A WR Basaltic flow; Jones Mts. volcanic sequence. RUT72 (unnamed peak about 30 km west at Forbidden Rocks)
73°26S 94°05W G Inspiration Rocks	14.8±1.3 MY,14.7±3 MY(69-C-15)K/A WR Basaltic flow; Jones Mts. volc. sequence. RUT72
73°30S 94°00W RM Jones Mountains Area	210 MY(#?)R/S WR Mesozoic intrusive rocks.* CRA70 CRA72 (*"unpubl. data" shown on generalized RM)
73°32S 94°00W G Jones Mountain Area	22±12 MY(61-225-4)K/A WR Olivine basalt; Jones Mts. volc. sequence. CRA64 RUT68 RUT72
73°32S 94°00W G Jones Mountains	12.1±1.7 MY(#?)FTK GS Basaltic; --. RUT73
73°27S 93°50W G Rice Ridge	104±4 MY(61-214-1)K/A WR Quartz-latite dike; intrudes extrusives of Basement Complex. CRA64 RUT68
72°34'56"S 93°23'00"W R "Peeler's Pinnacle"	150±20 MY(361Z)Pal ZR Quartz diorite; composite batholith. DRA64
72°34'56"S 93°23'00"W R "Peeler's Pinnacle"	97±5 MY(361B)KA13 BT Quartz diorite; composite batholith. DRA64 (from same sample as 361Z)
68°46S 90°42W R Cape Ingrid, Peter I Island	12.5±1.5 MY(PI-5)KA11 WR Olivine basalt; --. BAS76 BAS76A (infer=#?, 13 MY, in CRA70 and CRA72 with strat.=Miocene volcanic rocks)
75°27S 73°17W G N. of Mt. Glowa RM	102±6 MY RS2I2/0.706 WR,BT Quartz diorite; intrudes folded Jurassic sed. rocks. HAL67 LAU69
75°14S 73°15W R W. of Behrendt Mts.	108.9±1.6 MY(Kel93d)KA17 HB Granodiorite; west Behrendt batholith. FAR80
75°14S 73°15W R W. of Behrendt Mts.	104.5±1.5 MY(Kel93d)KA17 BT Granodiorite; west Behrendt batholith. FAR80
75°22S 72°37W G Mount Brice RM	103±6 MY(H-66-9)RS2I2 WR,BT Quartz monzonite; intrudes folded Jurassic sed. rocks. HAL67 LAU69 (combined with samples H-66-15 and H-66-9, age= 102±2 MY,RS6I2/0.7060±.0010)
75°19S 72°32W G Luck Nunatak RM	103±5 MY(H-66-15)RS2I2 WR,BT Granodiorite; intrudes folded Jurassic sed. rocks. HAL67 LAU69 (combined with samples H-66-15 and H-66-9, age= 102±2 MY, RS6I2/0.7060±.0010)

75°18S 72°25W G Mount Caywood RM	102±2 MY(H-66-20)RS2I2 WR,BT Granodiorite; intrudes folded Jurassic sed. rocks. HAL67 LAU69 (combined with samples H-66-15 and H-66-9, age= 102±2 MY, RS6I2/0.7060±.0010)
75°07S 72°04W G E. of Mt. Boyer	6 MY(#?)KA13 WR Basalt;--. HAL71
75°04S 71°57W G Mount Berger RM	109±10 MY(H-66-65)RS2I2/0.706 WR,BT Diorite; intrudes folded Jurassic sed. rocks. HAL67 LAU69
75°55S 71°19W R SE Ski-Hi Nunataks	120.5±1.7 MY,123.1±1.8 MY(Ro498j)KA17 HB Granodiorite; Ski-Hi stock. FAR80
75°16S 70°14W R Mount Smart	103.4±1.5 MY,110.8±1.5 MY(C2)KA17 BT Quartz monzonite; Smart stock. FAR80
75°28S 69°21W R Witte Nunataks	110.0±1.6 MY,112.3±1.6 MY(Ro441d)KA17 HB Granodiorite; interior of Witte stock. FAR80
75°28S 69°21W R Witte Nunataks	108.8±1.6 MY(Ro441d)KA17 BT Granodiorite; interior of Witte stock. FAR80
75°18S 68°11W R Hagerty Peak	112.6±1.6 MY,104.7±1.5 MY(V148a)KA17 HB Quartz monzonite; interior of Hagerty stock. FAR80
75°18S 68°11W R Hagerty Peak	116.0±1.6 MY(V148a)KA17 BT Quartz monzonite; interior of Hagerty stock. FAR80
75°09S 65°02W R Scaife Mountains	99.4±2.1 MY(S47e)KA9 BT Granodiorite; Terwileger pluton. MEH75
75°09S 65°02W R Scaife Mountains	102.8±2.2 MY(S47e)KA9 HB Granodiorite; Terwileger pluton. MEH75

GEOGRAPHIC AREA 30:	ELLSWORTH LAND, SOUTH OF 77°00S, INCLUDING WHITMORE MOUNTAIN AREA (samples from north to south by coordinates)
77°02S 78°20W R Haag Nunataks	1018±28 MY(E.4690.1)KA9 HB Gneiss; may be metamorphic basement of Ellsworth Mts. CIA77
77°02S 78°20W R Haag Nunataks	991±22 MY(E.4690.1)KA9 BT Gneiss; may be metamorphic basement of Ellsworth Mts. CIA77
77°02S 78°20W R Haag Nunataks	745±18 MY(E.4690.1)KA9 BT Gneiss; may be metamorphic basement of Ellsworth Mts. CIA77
77°02S 78°20W R Haag Nunataks	628±18 MY(3.4690.1)KA9 BT Gneiss; may be metamorphic basement of Ellsworth Mts. CIA77
77°02S 78°20W R Haag Nunataks	1031±14 MY(3.4690.2)KA9 BT Gneiss; may be metamorphic basement of Ellsworth Mts. CIA77
77°02S 78°20W R Haag Nunataks	1002±24 MY(E.4690.2)KA9 BT Gneiss; may be metamorphic basement of Ellsworth Mts. CIA77
77°02S 78°20W R Haag Nunataks	731±18 MY(E.4690.2)KA9 BT Gneiss; may be metamorphic basement of Ellsworth Mts. CIA77
77°02S 78°20W R Haag Nunataks	595±16 MY(3.4690.2)KA9 PL Gneiss; may be metamorphic basement of Ellsworth Mts. CIA77
79°09S 86°25W G (Frazier Ridge*)	308±15 MY(MY79120701)KA17 WR Muscovite-chlorite phyllite;--. YOS82 (*location given in text="Fraser Ridge")
79°50S 83°39W G Edson Hills	396±20 MY(MY80010602)KA17 WR Weakly altered dolerite; intrudes Heritage Group. YOS82
79°50S 83°39W G Edson Hills	278±14 MY(MY80010707)KA17 WR Chlorite-muscovite phyllite;--. YOS82
79°50S 83°39W G Edson Hills	237±12 MY(MY80010801A)KA17 WR Strongly cleaved and altered andesite dike; intrudes Heritage Gp. YOS82
79°50S 83°39W G Edson Hills	254±13 MY(MY80010801)KA17 WR Cleaved and altered basaltic dike; intrudes Heritage Gp. YOS82
79°50S 84°00W RM Ellsworth Mts. area	298 MY(#?)K/A WR Paleozoic strata.* CRA70 CRA72 (*"unpubl. data" shown on generalized RM)
80°01S 80°38W G Wilson Nunataks	381±19 MY(MY69123033)KA17 WR Altered massive dolerite; intrudes Heritage Group. YOS82
80°01S 80°38W G Wilson Nunataks	935±47 MY(MY79122909)KA17 WR Fine-grained chlorite-muscovite-quartz feldspar rock (meta-pelite); assumed basement metasediments drawn upward. YOS82
81°17S 85°21W G Pirrit Hills area RM	176 MY(#?)K/A BT Mesozoic intrusive rocks.* CRA70 CRA72 (*"unpubl. data" shown on generalized RM)
81°17S 85°21W G Pirrit Hills area RM	167 MY(#?)K/A MC Mesozoic intrusive rocks.* CRA70 CRA72 (*"unpubl. data" shown on generalized RM)
81°17S 85°21W G Pirrit Hills area RM	166 MY(#?)K/A BT Mesozoic intrusive rocks.* CRA70 CRA72 (*"unpubl. data" shown on generalized RM)
81°17S 85°21W G Pirrit Hills area RM	163 MY(#?)K/A MC Mesozoic intrusive rocks.* CRA70 CRA72 (*"unpubl. data" shown on generalized RM)
81°53S 89°23W G Nash Hills area RM	175 MY(#?)K/A BT Mesozoic intrusive rocks.* CRA70 CRA72 (*"unpubl. data" shown on generalized RM)
81°53S 89°23W G Nash Hills area RM	174 MY(#?)K/A FD Mesozoic intrusive rocks.* CRA70 CRA72 (*"unpubl. data" shown on generalized RM)
81°53S 89°23W G Nash Hills area RM	172 MY(#?)K/A BT Mesozoic intrusive rocks.* CRA70 CRA72 (*"unpubl. data" shown on generalized RM)
81°53S 89°23W R Mount Byerly	177±5 MY(#?)RS2I1/0.7070 BT,WR Granite; thought to intrude metasediments. HAI66

82°28S 103°54W G Mount Seelig	190±8 MY(W-65-45)KA13 BT Granite, coarsely crystalline prophyritic; Mount Seelig Granite. WEB82A
82°35S 105°55W R Mount Chapman Whitmore Mts.	173 MY(120A,120B)RS4I3/0.7148 WR,BT,FD Fine and coarse-grained phases of granite; the two phases may correlate with the Linck Nunataks granite and Mt. Seelig granite. KOV78
82°41S 104°12W G Linck Nunataks	176±5 MY(W-65-76)KA13 BT Granite, finely crystalline equigranular; Linck Nunataks Granite. WEB82A

GEOGRAPHIC AREA 31:	PALMER LAND (samples from south to north by coordinates)
74°28S 64°28W R N. Latady Mountains	108.6±2.3 MY(S10a)KA9 BT Mafic granodiorite; North Latady pluton. MEH75
74°28S 64°28W R N. Latady Mountains	117.0±2.4 MY(S10a)KA9 HB Mafic granodiorite; North Latady pluton. MEH75
74°23S 65°02W AR Copper Nunataks	95.2±3.0 MY(M430a)KA12 BT Quartz monzonite; Copper Nunataks pluton. ROW75 FAR82
74°23S 64°53W AR Copper Nunataks	95.6±3.0 MY(311a)KA12 BT Granodiorite porphyry dike; in Copper Nunataks pluton. ROW75 FAR82
74°23S 64°50W AR Copper Nunataks	104.9±3.2 MY(M308a)KA12 BT Granodiorite; West RARE batholith. ROW75 FAR82
74°22S 64°28W R N. RARE Range	113.4±2.3 MY(S54a)KA9 BT Mafic granodiorite; North RARE pluton. MEH75
74°22S 64°28W R N. RARE Range	119.4±2.5 MY(S54a)KA9 HB Mafic granodiorite; North RARE pluton. MEH75
74°21S 64°16W R cen. RARE Range	98.7±2.1 MY(W56)KA9 HB Quartz monzonite; Crowell pluton. MEH75
74°21S 64°16W R cen. RARE Range	100.0±2.1 MY(W56)KA9 BT Quartz monzonite; Crowell pluton. MEH75
74°19S 62°41W AR S. Hutton Mountains	108.6±6.8 MY(Ro160a)KA12 BT Mafic granodiorite; Rath pluton. FAR82
73°57S 63°04W AR Playfair Mountains	98.2±3.0 MY(Ro207a)KA12 BT Quartz monzonite; southern Werner batholith. FAR82
73°57S 63°04W AR Playfair Mountains	100.9±3.0 MY(Ro207a)KA12 HB Quartz monzonite; southern Werner batholith. FAR82
73°33S 64°33W R N. Latady Mountains	105.9±2.2 MY(S16x)KA9 BT Granodiorite; McLaughlin pluton. MEH75
73°33S 64°33W R N. Latady Mountains	107.1±2.3 MY(S16x)KA9 BT Granodiorite; McLaughlin pluton. MEH75
73°32S 62°29W AR Werner Mountains	107.9±5.1 MY(Ro241a)KA12 BT Diorite, older mafic phase; near E. intrusive contact, Werner batholith. FAR82
73°24S 63°19W AR SW Dana Mountains	104.9±4.6 MY(Ke33h)KA12 BT Granodiorite, silicic phase; near roof of central Werner batholith. FAR82
73°23S 63°15W AR SW Dana Mountains	101.3±3.6 MY(V39f)KA12 BT Diorite, older mafic phase; near roof of central Werner batholith. FAR82
73°23S 63°15W AR SW Dana Mountains	114.4±6.8 MY(V39f)KA12 HB Diorite, older mafic phase; near roof of central Werner batholith. FAR82
73°15S 62°10W AR E. Dana Mountains	108.1±2.7 MY(Ro304a)KA12 BT Diorite; Grimminger pluton. FAR82
73°11S 62°19W AR E. Dana Mountains	104.3±3.8 MY(Ke61f)KA12 BT Granodiorite; Galan batholith. FAR82
72°50S 63°12W AR Unnamed mountains	100.6±4.3 MY(Bo68a)KA12 BT Granodiorite; northern Werner batholith. FAR82
71°54S 68°13W G Two Step Cliffs RM	6930±60 BP(SRR-1500)14C SH Barnacles (outer fraction) in moraine; oldest of two ice shelf moraines (Unit 6). CLA82
71°54S 68°13W G Two Step Cliffs RM	7200±50 BP(SRR-1500)14C SH Barnacles (inner fraction) in moraine; oldest of two ice shelf moraines (Unit 6). CLA82
71°54S 68°13W G Two Step Cliffs RM	30,600±600 BP(SRR-1499)14C SH Hiatella solida (inner fraction) in basal till, 94 to 114 m. alt.;--. CLA82

71°54S 68°13W G Two Step Cliffs RM	32,160±360 BP(SRR-1499)14C SH Hiatella solida (outer (fraction) in basal till, 94 to 114m. alt.;--. CLA82
71°31S 67°15W R SSW of Mt. Bagshawe	124±7 MY(KG.200A)RS2I4/0.7037 BT Tonalite;--. REX76 (appears to be Andean Intrusive Suite)
71°31S 67°15W R SSW of Mt. Bagshawe	131±5 MY(KG.200A;IDB1160)KA9 BT Tonalite;--. REX76 (appears to be Andean Intrusive Suite)
71°31S 67°15W R SSW of Mt. Bagshawe	134±5 MY(KG.200A;IDB1174)KA9 BT Tonalite;--. REX76 (appears to be Andean Intrusive Suite)
71°31S 68°14W G N. end, Waitabit Cliffs RM	15±1 MY(KG.103.22;AR17)KA9 WR Olivine-camptonite dike; intrudes Aptian sediments. HOR67 REX70 REX76
71°31S 68°14W G N. end, Waitabit Cliffs RM	15±1 MY(KG.103.22;AR30)KA9 WR Olivine-camptonite dike; intrudes Aptian sediments. HOR67 REX70 REX76
71°24S 63°00W G nr Davis Ridge RM	115±4 MY(E.4178.1)KA9 BT Foliated granodiorite; main granodiorite unit. SIN80
71°24S 63°00W G nr Davis Ridge RM	118±5 MY(E.4178.1)KA9 HB Foliated granodiorite; main granodiorite unit. SIN80
71°23S 63°22W G nr Mount Jackson RM	108±4 MY(E.4193.1)KA9 BT Foliated granodiorite; main granodiorite unit. SIN80
71°23S 63°22W G nr Mount Jackson RM	113±4 MY(E.4193.1)KA9 HB Foliated granodiorite; main granodiorite unit. SIN80
71°00S 62°50W G nr Giannini Peak RM	104±4 MY(E.4065.1)KA9 BT Undeformed granodiorite; main granodiorite unit. SIN80
70°57S 63°30W G Welch Mountains RM	121±4 MY(E.4012.1)KA9 BT Undeformed granodiorite; main granodiorite unit. SIN80
70°57S 63°30W G Welch Mountains RM	119±4 MY(E.4021.1)KA9 BT Underformed granodiorite; main granodiorite unit. SIN80
70°57S 63°30W G Welch Mountains RM	123±4 MY(E.4021.1)KA9 HB Undeformed granodiorite; main granodiorite unit. SIN80
70°57S 63°30W G Welch Mountains RM	124±4 MY(E.4012.1)KA9 HB Undeformed granodiorite; main granodiorite unit. SIN80
70°56S 66°48W R Palmer Land	152±7 MY(KG.509.2;AR173)KA9 WR Basic dike; --. REX72 REX76
70°55S 69°20W G Le May Range	165 MY(18)KA6 WR Arkosic sandstone; upper horizon of the Trinity series. GRI67
70°55S 69°20W G Le May Range	165 MY(19)KA6 WR Foliated arkosic sandstone; upper horizon of the Trinity series. GRI67
70°53S 66°23W R W of St. Valentines	88±3 MY(KG.211)RS2I4/0.740 MC,KF Granite; --. REX76
70°48S 66°13W R SE of St. Valentines	112±5 MY(KG.226.1;IDB1166)KA9 BT,WR Granite;--. REX76 (appears to be Andean Intrusive Suite)
70°48S 66°13W R SE of St. Valentines	119±33 MY(KG.226.1)RS2I4/0.7096 BT;KF Granite;--. REX76 (appears to be Andean Intrusive Suite)
70°46S 65°55W R SE of St. Valentines	86±4 MY(KG.214;IDB1028)KA9 WR Andesite; --. REX72 REX76
70°42S 69°49W G Mt. Corelli Horn	105 MY(16)KA6 WR Polymict sandstone; lower horizon of the Trinity series. GRI67
70°42S 69°49W G Mt. Corelli Horn	110 MY(17)KA6 WR Polymict sandstone; lower horizon of the Trinity series. GRI67
70°35S 69°35W G N.E. Colbert Mountains	69 MY(15)KA17 BT Lithocrystalloclastic tuff; Vivaldi Formation. GRI67 BUR81 (earlier reported as 70 MY, KA6, GRI67)
70°35S 70°35W G Colbert Mtns.	62±1 MY RS6I3/0.7057±0.0001 WR Rhyolite tuffs and sills; Antarctic Pen. Volc. Gp. THO83

70°28S 66°33W R	91±4 MY(KG.554.3;AR201)KA9 WR Basic dike;
Palmer Land	--. REX72 REX76
70°28S 66°33W R	92±4 MY(KG.554.3;AR175)KA9 WR Basic dike;
Palmer Land	--. REX72 REX76
70°S 70°W RM	40-60 MY(#?)KA17 WR Two lavas from Colbert Fm.
N. Alexander Island	and 4 lavas from Elgar Fm. BUR81
70°S 65°W M	175 MY RSR3/0.706 WR Altered volcanic and
N. Palmer Land	metavolcanics;--. THO83
69°39S 63°49W G	177±2 MY RS9I3/0.7075±0.0003 WR Augen-gneisses
W end, Mt. Sullivan	and acid gneisses; crystalline basement. PAN83
69°13S 70°50W G	46.3±2.8 MY RS6I3/0.7030±0.0016 WR Adamellite;
NW Rouen Mountains RM	Rouen Mountains batholith. BUR81 PAN82

GEOGRAPHIC AREA 32:	GRAHAM LAND, EXCLUDING TRINITY PENINSULA (samples from south to north by coordinates)
68°30S 68°30W G Marguerite Bay area	87±3 MY(E2725.2)KA9 BT --; --. GLE82
68°23S 67°00W G Tiber Rocks Island RM	100 MY(21)KA6 WR Porphyroblastic granite from massif of coarse-grained granites;--. GRI66
68°21S 67°04W G Garnet Rocks Mtn. RM	110 MY(18)KA6 WR Mesocratic gneissoid granodiorite; metamorphic complex in crystalline basement. GRI66
68°20S 66°57W G Safety Col RM	90 MY(24)KA6 WR Biotite granite; Andean intrusive complex. GRI66
68°20S 66°57W G Safety Col RM	85 MY(25)KA6 WR Granite porphyry from dike; in Andean intrusive complex. GRI66
68°20S 66°57W G Safety Col RM	100 MY(20)KA6 WR Porphyroblastic granite from massif of coarse-grained granites;--. GRI66
68°20S 66°57W G Safety Col RM	100 MY(22)KA6 WR Potassic keratophyre; --. GRI66
68°20S 66°57W G Safety Col RM	113±2 MY RS10I3/0.7063±0.0001 WR Adamellite/aplite; --. PAN82
68°18S 67°08W G Red Rock Ridge	92±2 MY RS7I3/0.7050±0.0001 WR Pink granite; --. PAN82
68°16S 66°50W G Neny Fjord area*	190 MY RSR3/0.705 WR Granite-gneisses to diorite-gneisses; "Marguerite Bay Gneisses." PAN83 (*locs.=Roman Four Promontory, Neny Island, and Randall Rocks; IR is calc., not assumed)
68°13S 66°56W G Roman Four Promontory	117±10 MY(76b)RSM4/0.706 WR Adamellite dike; post-'basement'. HAL72
68°13S 66°56W G Roman Four Promontory	200±10 MY(69-36,69-33)RS2I4/0.705 WR Biotite-granite-gneiss and a diorite-gneiss; 'Basement Complex' orthogneiss. HAL72
68°13S 66°56W G Roman Four Prom. RM	95 MY(17)KA6 WR Gneissoid granite; intersects metamorphic complex. GRI66
68°13S 66°56W G Roman Four Prom. RM	110 MY(16)KA6 AM Amphibolite; metamorphic complex in crystalline basement. GRI66
68°12S 67°03W G Neny Island RM	120 MY(15)KA6 WR Biotitic amphibolite; metamorphic complex in crystalline basement. GRI66
68°12S 67°03W G Neny Island RM	115 MY(14)KA6 BT Biotitic amphibolite; metamorphic complex in crystalline basement. GRI66
68°12S 66°54W G Mt. Nemesis RM	140 MY(13)KA6 AM Biotitic amphibolite; metamorphic complex in crystalline basement. GRI66
68°12S 66°54W G Mt. Nemesis RM	95 MY(12)KA6 WR Gnessoid cataclastic granite; intersects metamorphic complex. GRI66
68°12S 66°41W R Pyrox Island	86±3 MY(π.102.2;IDB650)KA9 BT Granite;--. REX76 (appears to be Andean Intrusive Suite)
68°11S 67°00E G Anemometer Hill	119±1 MY RS5I2/0.7063 WR Gray granitic dike; --. GLE82
68°11S 67°00W G nr Mast Hill	111±4 MY(BS101.19)KA9 BT Leucocratic gneiss; gneissic metamorphic complex. GLE82
68°11S 67°00W G Stonington I. sta. RM	110 MY(7)KA6 WR Melanocratic gneissoid diorite; metamorphic complex in crystalline basement. GRI66
68°11S 67°00W G Stonington I. sta. RM	115 MY(8)KA6 BT Xenoliths of quartz-plagioclase-biotitic rock in granite veins; metamorphic complex in crystalline basement GRI66
68°11S 67°00W G Stonington I. sta. RM	95 MY(9)KA6 WR Granite vein in gneissoid diorites; intersects metamorphic complex. GRI66

68°11S 67°00W G Stonington I. sta. RM	115 MY(10)KA6 BT Biotite-amphibolic gneissoid rocks of diorite composition; metamorphic complex in crystalline basement. GRI66
68°11S 67°00W G Stonington I. sta. RM	125 MY(11)KA6 BT Amphibole-biotitic gneissoid rocks of dioritic composition; metamorphic complex in crystalline basement. GRI66
68°11S 67°00W G Stonington Island	115±10 MY(69-37)RSM4/0.706 WR Granodiorite dike; post-"basement". HAL72
68°11S 67°00W G Stonington Island	108±5 MY(69-33)RSM4/0.705 BT Diorite-gneiss; "Basement Complex" orthogneiss. HAL72
68°11S 67°00W G Stonington Island	105±15 MY(CT-IV-5)RSM4/0.706 WR Quartz-diorite dike; post-"basement". HAL72
68°11S 65°42W R S of Daspit Glacier	181±7 MY(TL.103.1;IDB1038)KA9 BT Gneiss;--. REX76 (appears to be Andean Intrusive Suite)
68°11S 65°28W R N side of Joerg Pen	171±7 MY(TL.1161.1;IDB1173)KA9 MC Potash-granite-gneiss contact;--. REX76 (appears to be Andean Intrusive Suite)
68°10S 65°00W G Bowman Coast	600 MY(R.1206.2)RSM3 -- Migmatitic gneiss; Antarctic Peninsula Volcanic Group.* HAM82 (R.J. Pankhurst, pers. comm.; *widely referred to as Upper Jurassic Volcanic Group)
68°09S 67°13W G Millerand Island RM	82±8 MY RS6I3/0.7045±0.0003 WR Pink granite; --. PAN82
68°08S 67°06W G Barbara Island	109±1 MY RS5I2/0.7060 WR Granite(3) and aplite(2); pluton of coarse pink granite suite. GLE82
68°08S 67°06W G Barbara Island	120±25 MY RS3I2/0.7054 WR Granite; pluton of coarse pink granite suite. GLE82 (same granite samples as 109±1 MY sample of GLE82)
68°08S 67°06W G Barbara Island	115±10 MY(69-35)RSM4/0.706 WR Coarse pink granite; post-"basement." HAL72
68°08S 67°06W G Barbara Island	98±15 MY(54a,55a)RS2I4/0.706 WR Coarse pink granite; post-"basement." HAL72
68°08S 67°07W G Barry Island	175±7 MY RS6I2/0.7076 WR Pink granitic gneiss; gneissic metamorphic complex. GLE82
68°08S 66°50W G Mt. Rhamnus RM	100 MY(23)KA6 WR Biotite granite; Andean intrusive complex. GRI66
68°08S 67°07W G Debenham Island RM	85 MY(19)KA6 WR Granite prophyry from massif of coarse-grained granites;--. GRI66
67°51S 67°12W R Horseshoe Island	72±3 MY(*.93.8;IDB582,IDB596)KA9 HB,PY Gabbro; --. REX76 (appears to be Andean Intrusive Suite)
67°51S 67°12W G Horseshoe Island RM	90 MY(26)KA6 WR Quartz albitophyre from dike; in Andean intrusive complex. GRI66
67°49S 67°21W G Beacon Head RM	67±8 MY RS8I3/0.7050±0.0001 WR Pale feldspathic granite;--. PAN82
67°49S 67°11W G NW of Gaul Cove, Horseshoe Island RM	102±1 MY RS5I3/0.7055±0.0007 WR Pink granite/diorite; --. PAN82 (four granites alone gave an age of 101±6 MY)
67°36S 68°13W G Anchorage Island RM	62±2 MY RS10I3/0.7039±0.0001 WR Granodiorite/granite; --. PAN82
67°30S 68°10W RM Square Peninsula	60±3 MY RS11I3/0.7038±0.0001 WR Intrusion of leucogranodiorite-adamellite;--. PAN82
67°27S 67°56W G Webb Island	67±24 MY RS3I3/0.7038±0.0002 WR Dacite; Antarctic Pen. Volc. Gp. THO83

66°52S 63°43W G	209±3 MY RS8I3/0.7065±0.0001 WR 'Older' granite;
Cape Robinson RM	--. PAN82
66°50S 64°00W G	174±5 MY RS5I3/0.7063±0.0001 WR Porphyritic dikes;
Cape Robinson RM	--. PAN82
66°50S 64°00W G	178±2 MY RS6I3/0.7068±0.0002 WR 'Younger' granite;
Cape Robinson RM	--. PAN82
66°42S 64°10W R	176±7 MY(TL.228;IDB998,IDB1002)KA9 BT Tonalite;
N. end, Mt. Hayes	--. REX76
	(appears to be Andean Intrusive Suite)
66°30S 62°45W G	82±1 MY RS12I3/0.7042±0.0001 WR Pink granite/diorite;
N end, Churchill	Andean Intrusive Suite. PAN82
Peninsula Rm	
66°30S 62°45W G	99±8 MY RS3I3/0.7083±0.0010 WR Rhyolite inclusions in
Churchhill Pen. RM	pink granite; Andean Intrusive Suite. PAN82
66°25S 62°20W G	203±24 MY RSI3/0.7164±0.0003 Amphibolite and quartzo-
Adie Inlet area	feldspathic bands from banded gneiss;--. PAN83
66°25S 62°20W G	246±4 MY RS3I3/0.7065±0.0001 BT,HB,PL Amphibolitic
head, Adie Inlet	inclusion in the gneisses;--. PAN83
66°23S 63°47W R	174±7 MY(TL.517.3;IDB1019)KA9 BT Granite;
W of Cape Casey	--. REX76
	(appears to be Andean Intrusive Suite)
66°23S 63°47W R	176±7 MY(TL.517.3)RSM4/0.709 BT Granite;
W of Cape Casey	--. REX76
	(appears to be Andean Intrusive Suite)
66°14S 62°53W R	83±4 MY(TL.872.1;IDB1158)KA9 BT Diorite;
W of Gulliver Nunatak	--. REX76
	(appears to be Andean Intrusive Suite)
66°13S 62°48W R	243±10 MY(TL.866.3;IDB1067)KA9 HB Gneiss;
W of Gulliver Nunatak	basement complex. REX76
66°12S 62°40W G	174±2 MY RS5I3/0.7075±0.0001 WR Rhyolite/dacite;
Gulliver Nunatak RM	overlie migmatitic gneisses. PAN82
66°12S 62°40W G	98 MY RS3I3/0.7088 WR Granite gneiss;--. PAN83
Gulliver Nunatak	(inclusion of 2 data points for granodioritic gneiss
	yields age of 174±30 MY, IR=0.7080±0.0003)
66°12S 62°40W G	240±4 MY RSI3/0.7070±0.0001 BT Pegmatitic phase of
Gulliver Nunatak	granite gneiss;--. PAN83
	("WR intersection age")
66°08S 62°56W R	182±7 MY(TL.846.1;IDB1139)KA9 BT Granite;
W of Gemini Nunatak	--. REX76
	(appears to be Andean Intrusive Suite)
66°08S 62°56W R	179±7 MY(TL.846.1;IDB1440)KA9 HB Granite;
W of Gemini Nunatak	--. REX76
	(appears to be Andean Intrusive Suite)
66°05S 61°21W R	186±8 MY(D.2133.1;IDC293)KA9 WR Basalt;
Jason Peninsula	--. REX72 REX76
66°05S 61°21W R	156±6 MY(D.2136.1;IDC301)KA9 WR Basalt;
Jason Peninsula	--. REX72 REX76
66°03S 62°46W G	170±2 MY RS6I3/0.7063±0.0001 WR Granite/granodiorite;
McCarrol Peak RM	--. PAN82
66°02S 63°13W R	164±6 MY(TL.778.1;IDB1046,IDC45)KA9 BT Granite
Leppard Glacier	gneiss; basement complex. REX76
66°02S 63°13W R	237±9 MY(TL.778.1;IDB1066)KA9 HB Granite gneiss;
Leppard Glacier	basement complex. REX76
66°00S 62°42W G	164±2 MY RS5I3/0.7070±0.0001 WM Diorite;
Mt Fritsche RM	--. PAN82

66°00S 62°57W G Target Hill RM	180±5 MY RS5I3/0.7063±0.0001 WM Adamellite/ granodiorite;--. PAN82
66°00S 62°57W G W of Target Hill	167±17 MY RS7I3/0.7072±0.0000 WR,PL Biotite-gneisses; --. PAN83 (6 WR samples give date of 141±49 MY)
66°00S 62°57W G W of Target Hill	336±34 MY RS3I3/0.7054±0.0005 WR Granitic sheets; in banded migmatite. PAN83
66°00S 63°00W RM 'D' Nunatak	173±6 MY RS7I3/0.7065±0.0001 WR Granodiorite; --. PAN82
66°00S 63°00W RM 'D' Nunatak	169±3 MY RS3I3/0.7067±0.0002 WR Granite boss; intruded into granodiorite. PAN82
66°00S 63°00W RM 'D' Nunatak	159 MY RSM3/0.7065 WR Cross-cutting pink quartz feldspar porphyry dike;--. PAN82
65°55S 64°16W G Argentine Is. RM	55±3 MY RS13I3/0.7038±0.0001 WR Diorite/granodiorite/ aplite;--. PAN82 (strat. may be Andean Intrusive Suite)
65°49S 62°36W G SW of Bildad Peak RM	167±2 MY RS28I3/0.7062±0.0001 WR Tonalite and overlying granodiorite;--. PAN82
65°49S 62°36W G SW of Bildad Peak RM	163±2 MY RS13I3/0.7066±0.0001 WR Adamellite intruding tonalite and granodiorite;--. PAN82
65°47S 62°37W R NW of Bildad Peak	163±6 MY(TL.659.1;IDB1167)KA9 BT Quartz diorite; --. REX76 (appears to be Andean Intrusive Suite)
65°47S 62°37W R NW of Bildad Peak	158±16 MY(TL.659.1)RS2I4/0.7075 BT,KF Quartz diorite; --. REX76 (appears to be Andean Intrusive Suite)
65°19S 64°10W R Berthelot Islands	73±6 MY(π.49.2;IDB597)KA9 PY Diorite;--. REX76 (appears to be Andean Intrusive Suite)
65°15S 64°05W G Rasmussen I. RM	128±3 MY RS3I3/0.7041±0.0002 WR Pink granite; --. PAN82 (strat. may be Andean Intrusive Suite)
65°15S 64°15W G Galindez Island	721±105 BP(#?)14C PE Near the base of a small deep (max. 170 cm) moss (Chorisodontium) bank. SMI82
65°14S 64°W R Forge Islands	54±2 MY(IDB801,IDB807)KA9 HB Hornblendite;--. REX76 (appears to be Andean Intrusive Suite)
65°14S 64°20W R South Island	56±2 MY(π.40.3;IDB574)KA9 BT Quartz-diorite;--. REX76 (appears to be Andean Intrusive Suite)
65°14S 64°20W R South Island	56±2 MY(π.41.1;IDB701)KA9 BT Quartz-diorite;--. REX76 (appears to be Andean Intrusive Suite)
65°14S 64°20W R South Island	57±2 MY(π.41.3;IDB583)KA9 BT Quartz-diorite;--. REX76 (appears to be Andean Intrusive Suite)
65°14S 64°20W G The Barchans	57±2 MY(BS103.11)KA9 BT Perthite dike in contact with granodiorite pluton; cuts Antarct. Pen. Volc. Group. GLE82
65°14S 64°20W G South Island	57±2 MY(BS103.12)KA9 BT Perthite dike in contact with granodiorite pluton; cuts Antarct. Pen. Volc. Group. GLE82
65°14S 64°20W G South Island	72±1 MY RS4I2/0.7036 WR Perthite dike and normal facies of granodiorite pluton; cuts Antarct. Pen. Volc. Group. GLE82
65°10S 64°11W G Rouch Point RM	93±8 MY RS5I3/0.7045±0.0001 WR Late granite-diorite intrusion;--. PAN82 (strat. may be Andean Intrusive Suite)

65°08S 59°50W R Oceana Volcano	2.8±0.5 MY(#?)K/A WR Volcanic deposits; Seal Nunataks Volc. Gp. GON83 (Del Valle and Fourcade, pers. comm.)
65°07S 61°59W R nr Punchbowl Glacier	98±4 MY(TL.10.1;IDB1159)KA9 BT Granite dike; Andean Intrusive Suite. FLE68 REX76
65°07S 61°59W R nr Punchbowl Glacier	99±4 MY(TL.10.2;IDB1121)KA9 BT Granite; Andean Intrusive Suite. FLE68 REX76
65°07S 61°59W R nr Punchbowl Glacier	94±5 MY(TL.10.2;IDB1130)KA9 HB Granite; Andean Intrusive Suite. FLE68 REX76
65°07S 61°59W R nr Punchbowl Glacier	102±8 MY(TL.10.1)RS2I4/0.7044 BT,KF Granite dike; Andean Intrusive Suite. FLE68 REX76
65°06'30"S 60°05W R Gray Volcano	LT 0.2 MY(#?)K/A WR Volcanic deposits; Seal Nunataks Volc. Gp. GON83 (Del Valle and Fourcade, pers. comm.)
65°06'30"S 60°02W R Arctowski Volcano	1.4±0.3 MY(#?)K/A WR Volcanic deposits; Seal Nunataks Volc. Gp. GON83 (Del Valle and Fourcade, pers. comm.)
65°05S 60°10W R Seal Nunataks	LT 0.1 MY(D.727.2)KA9 WR Basalt; James Ross Island group. REX72 REX76
65°05S 60°10W R Seal Nunataks	LT 0.1 MY(D.727.3)KA9 WR Basalt; James Ross Island group. REX72 REX76
65°05S 59°35W R Christensen Volcano	0.7±0.3 MY(#?)K/A WR Volcanic deposits; Seal Nunataks Volc. Gp. GON83 (Del Valle and Fourcade, pers. comm.)
65°04'30"S 60°15W R Bruce Volcano	1.5±0.3 MY(#?)K/A WR Volcanic deposits; Seal Nunataks Volc. Gp. GON83 (Del Valle and Fourcade, pers. comm.)
65°04'30"S 60°07W R Donald Volcano	LT 0.2 MY(#?)K/A WR Volcanic deposits; Seal Nunataks Volc. Gp. GON83 (Del Valle and Fourcade, pers. comm.)
65°03S 60°11W R Akerlundh Nunatak	LT 0.1 MY(D.4105.1)KA9 WR Basalt; James Ross Island group. REX72 REX76
65°03S 60°11W R Akerlundch Volcano	0.7±0.3 MY(#?)K/A WR Volcanic deposits; Seal Nunataks Volc. Gp. GON83 (Del Valle and Fourcade, pers. comm.)
65°00S 61°01W G nr Cape Fairweather RM	101±2 MY RS15I3/0.7055±0.0002 WR Adamellite; --. PAN82
65°00S 61°01W G Cape Fairweather RM	111±2 MY RS3I3/0.7071±0.0002 WR Garnetiferous granite; within the Trinity Pen. Group. PAN82
65°00S 61°01W G Cape Fairweather RM	92±2 MY RS6I3/0.7046±0.0001 WR Pink granite/diorite; Andean Intrusive suite. PAN82
65°00S 61°01W G Cape Fairweather RM	93±2 MY RS3I3/0.7047±0.0001 WR Dolerite-felsite dike cutting adamellite; Andean Intrusive Suite. PAN82
64°59S 61°04W R Cape Fairweather	100±4 MY(D.4664.1;IDB1146)KA9 BT Quartz-diorite; Andean Intrusive Suite. FLE68 REX76
64°59S 61°04W R Cape Fairweather	97±4 MY(D.4664.1;IDB1147)KA9 HB Quartz-diorite; Andean Intrusive Suite. FLE68 REX76
64°59S 61°32W G Mural Nunatak	244±27 MY("R.372.1")RS3I3/0.7074±0.0003 WR Biotite- schist; Trinity Pen. Gp. PAN83
64°59S 60°22W R Evenson Volcano	1.4±0.3 MY(#?)K/A WR Volcanic deposits; Seal Nunataks Volc. Gp. GON83 (Del Valle and Fourcade, pers. comm.)
64°58S 60°05W R Larsen Nunatak	LT 0.1 MY(D.4114.1)KA9 WR Olivine-basalt; James Ross Island group. REX72 REX76

64°57S 61°21W R	99±4 MY(D.4655.1;IDC90)KA9 BT Microgranite dike;
nr Skilly Peak	Andean Intrusive Suite. FLE68 REX76
64°57S 61°21W R	84±3 MY(D.4655.1)RS2I4/0.7173 BT,KF Microgranite dike;
nr Skilly Peak	Andean Intrusive Suite. FLE68 REX76
64°57S 60°05W R	1.5±0.5 MY(#?)K/A WR Volcanic deposits;
Larsen Volcano	Seal Nunataks Volc. Gp. GON83
	(Del Valle and Fourcade, pers. comm.)
64°56S 62°00W R	105±4 MY(D.4642;IDB1059,IDC46)KA9 HB Gabbro;--. REX76
Hectoria Glacier	(appears to be Andean Intrusive Suite)
64°56S 62°00W R	92±5 MY(D.4642.3;IDB1148)KA9 HB Gabbro;--. REX76
Hectoria Glacier	(appears to be Andean Intrusive Suite)
64°55S 62°03W R	98±10 MY(D.4636.2;IDB1076)KA9 HB Diorite;--. REX76
Rugate Ridge	(appears to be Andean Intrusive Suite)
64°54S 63°03W G	131±4 MY RS7I3/0.7060±0.0010 WR Granite intrusion;
Mount Banck RM	pre-volcanic. PAN82
64°52S 61°02W G	95±1 MY RS5I3/0.7045±0.0003 WM Pink granite;
nr Andersson Peak RM	Andean Intrusive Suite. PAN82
64°51S 62°54W G	120 MY(30b)KA6 WR Greenstone-altered plagiobasalt;
Paradise Harbor RM	--. GRI70
	(sample from vicinity of Almirante Brown Sta.)
64°51S 63°35W G	52.5±2 MY(#?)KA11 BT Quartz diorite pluton;
Doumer Island	--. SCO65
	(sample is from "Peninsula Patagonia" RM)
64°51S 63°35W G	45±5 MY(#?)P/a Quartz diorite pluton;--. SCO65
Doumer Island	(C. Ruiz, pers. comm.; sample is from "Peninsula
	Patagonia" RM)
64°50S 62°33W G	114±11 MY RS6I3/0.7054±0.0006 WR Granite intrusion;
Neko Harbour RM	pre-volcanic. PAN82
64°50S 63°31W R	51±2 MY(π.201.3;IDB514)KA9 BT Quartz-diorite;
Gouldier Island	--. REX76
nr Port Lockrey	(appears to be Andean Intrusive Suite)
64°50S 63°31W R	51±2 MY(π.201.3;IDB539)KA9 HB Quartz-diorite;
Gouldier Island	--. REX76
nr Port Lockroy	(appears to be Andean Intrusive Suite)
64°49S 63°30W R	48±2 MY(π.204.2;IDB687)KA9 BT Quartz-diorite;
Port Lockroy	--. REX76
	(appears to be Andean Intrusive Suite)
64°49S 63°30W R	51±2 MY(π.204.2;IDB711)KA9 HB Quartz-diorite;
Port Lockroy	--. REX76
	(appears to be Andean Intrusive Suite)
64°49S 63°30W R	49±2 MY(π.204.3;IDB603)KA9 BT Quartz-diorite;
Port Lockroy	--. REX76
	(appears to be Andean Intrusive Suite)
64°48S 62°49W G	94±8 MY(#?)KA11 BT Diorite;
"Canelo Point"	--. SCO65
(=Duthiers Point)	
64°47S 64°05W G	630±50 BP(#?)14C PE On terrace 0.25 m from glacier
Bonaparte Point	snout, thought to represent base of former moss bank
	(Polytrichum-Chorisodontium). SMI82
64°47S 64°05W G	425±40 BP(#?)14C PE On terrace 5-6 m from glacier
Bonaparte Point	snout, thought to represent base of former moss bank
	(Polytrichum-Chorisodontium). SMI82
64°47S 64°05W G	501±40 BP(#?)14C PE On terrace 10-12 m from glacier
Bonaparte Point	snout, thought to represent base of former moss bank
	(Polytrichum-Chorisodontium). SMI82

64°47S 64°05W G NE of Bonaparte Point nr Palmer station	19.8±0.8 MY(BS104.2)KA9 BT Hybrid pluton; intrudes Antarct. Pen. Volc. Gp. GLE82 (assoc. with gabbro and tonalite plutons)
64°47S 64°05W G NE of Bonaparte Point nr Palmer station	20.1±0.8 MY(BS104.3A)KA9 HB Hybrid pluton; intrudes Antarct. Pen. Volc. Gp. GLE82 (assoc with gabbro and tonalite plutons)
64°47S 64°05W G NE of Bonaparte Point nr Palmer station	20.8±1.0 MY(BS104.3B)KA9 HB Hybrid pluton; intrudes Antarct. Pen. Volc. Gp. GLE82 (assoc with gabbro and tonalite plutons)
64°47S 64°05W G NE of Bonaparte Point nr Palmer station	35±6 MY("BS104.1")RS8I2/0.7037 WR Hybrid pluton; intrudes Antarct. Pen. Volc. Gp. GLE82 (assoc with gabbro and tonalite plutons)
64°47S 64°05W G NE of Bonaparte Point nr Palmer station	21 MY(BS104.1)RSM2/0.7037 BT Hybrid pluton; intrudes Antarct. Pen. Volc. Gp. GLE82 (assoc. with gabbro and tonalite plutons)
64°46S 64°06W G Litchfield Island	495±85 BP(#?)14C PE Base (47.5 cm deep) of extensive moss (Polytrichum) bank. SMI82
64°44S 61°21W R SW of Drygalski Gl.	73±4 MY(D.4822.2;IDB933)KA9 HB Hornblende-gabbro; --. REX76 (appears to be Andean Intrusive Suite)
64°44S 61°21W R SW of Drygalski Gl.	75±3 MY(D.4822.1;IDB937,IDB961)KA9 HB Diorite; --. REX76 (appears to be Andean Intrusive Suite)
64°40S 60°56W R Bekker Nunataks	117±5 MY(D.4844.3;IDB865)KA9 BT Granodiorite; --. REX76 (appears to be Andean Intrusive Suite)
64°27S 59°11W G Porphyry Bluff RM	117±4 MY RS6I3/0.7153±0.0003 WR Rhyolite;--. PAN82 (may be the youngest member of the volcanic succession on Trinity Peninsula)
64°25S 59°18W G Hampton Bluffs RM	130±7 MY RS5I3/0.7091±0.0006 WR Rhyodacite; --. PAN82
64°18S 61°03W G (Spring Point)	96±6 MY(#?)K/A WR Rhyodacites from lava flow; Andean igneous complex. VAL79 (loc. given as "Cerro Escombrera" in "Cape Spring")
64°18S 61°03W G (NE of Spring Point)	102±5 MY(#?)K/A WR Rhyodacites from dike; cut Andean Intrusives. VAL79 (loc. given as NE of "Cape Spring")
64°10S 60°58W R "Tisné Point"	96±2 MY(B-2)RS2I2/0.705 WM Granodiorite; --. HAL67
64°08S 61°04W R Two Hummock Island	37±2 MY(BS.1.2;AR187)KA9 WR Basalt; --. REX72 REX76

GEOGRAPHIC AREA 33:	TRINITY PENINSULA (samples from west to east by coordinates)
63°32S 59°50W R Tower Island	58±2 MY(BS.52.3;AR189)KA9 WR Basalt; --. REX72 REX76
63°32S 59°50W R Tower Island	63±2 MY(BS.52.11;AR188)KA9 WR Basalt; --. REX72 REX76
63°32S 59°50W R Tower Island	54±2 MY(B5.53.2;AR272)KA9 WR Basalt; --. REX76
64°14S 59°15W R Sjögren Glacier	113±4 MY(D.3961.1;IDB902)KA9 BT Diorite;--. REX76 (appears to be Andean Intrusive Suite)
64°14S 59°15W R Sjögren Glacier	111±4 MY(D.3961.1;IDB909)KA9 HB Diorite;--. REX76 (appears to be Andean Intrusive Suite)
64°14S 59°15W R Sjögren Glacier	92±5 MY(D.3966.1;IDB951)KA9 BT Amphibolite;--. REX76 (appears to be Andean Intrusive Suite)
64°14S 59°15W R Sjögren Glacier NE of Mount Hornsby	103±4 MY(D.3966.1;IDB913,IDB962)KA9 HB Amphibolite; --. REX76 (appears to be Andean Intrusive Suite)
63°33S 58°56W G Cape Roquemaurel RM	110 MY(1b)KA6 WR Metagranodiorite; Cretaceous intrusive complex. GRI70
63°33S 58°56W G Cape Roquemaurel RM	100 MY(1g)KA6 WR Coarse-grained leucocratic granite; Cretaceous intrusive complex. GRI70
63°33S 58°56W G Cape Roquemaurel RM	100 MY(1i)KA6 WR Cataclasized leucocratic biotite granite; Cretaceous intrusive complex. GRI70
63°45S 58°52W R E of Aureole Hills	137±6 MY(D.4463.2;IDB903)KA9 BT Hornfels; --. REX76 (appears to be Andean Intrusive Suite)
63°37S 58°49W R Wimple Dome	139±6 MY(D.3550.1;IDB678)KA9 BT Granite;--. REX76 (appears to be Andean Intrusive Suite)
63°37S 58°49W R Wimple Dome	143±6 MY(D.3550.2;IDB790)KA9 BT Granite;--. REX76 (appears to be Andean Intrusive Suite)
63°37S 58°49W R N face, Wimple Dome	139±6 MY(D.3850.1;IDB821)KA9 BT Granodiorite;--. REX76 (appears to be Andean Intrusive Suite)
63°37S 58°49W R nr Wimple Dome	131±6 MY(D.3852.1;IDB860)KA9 BT Granite;--. REX76 (appears to be Andean Intrusive Suite)
63°27S 58°47W R NE of Aitkenhead Gl.	170±7 MY(D.4257.1;IDB925)KA9 BT Granodiorite;--. REX76 (appears to be Andean Intrusive Suite)
63°27S 58°47W R NE of Aitkenhead Gl.	169±7 MY(D.4258.2;IDB916)KA9 BT Granodiorite;--. REX76 (appears to be Andean Intrusive Suite)
63°52S 58°38W R W of Mount Bradley	156±6 MY(D.3662.4;IDB825)KA9 BT Granite;--. REX76 (appears to be Andean Intrusive Suite)
63°52S 58°38W R NW of Mount Bradley	155±6 MY(D.3663.1;IDB832)KA9 BT Tonalite;--. REX76 (appears to be Andean Intrusive Suite)
63°48S 58°35W R Victory Glacier	165±7 MY(D.3524.1;IDB768)KA9 BT Granite;--. REX76 (appears to be Andean Intrusive Suite)
63°48S 58°35W R NW-facing buttress of Victory Glacier	136±6 MY(D.3667.2;IDB874)KA9 BT Metamorphosed laminated siltstone;--. REX76
64°10S 58°30W R James Ross Island	3.0±0.5 MY(D.2144.1;IDC306)KA9 WR Basalt; James Ross Island Group. REX72 REX76
64°04S 58°15W R SW Palisade Nun. RM	6.5±0.3 MY(D.4086.1;AR609)KA9 WR Olivine-dolerite; James Ross I. Volc. Gp. NEL66 REX76
64°04S 58°15W R SW Palisade Nun. RM	5.4±0.3 MY(D.4086.1;AR693)KA9 WR Olivine-dolerite; James Ross I. Volc. Gp. NEL66 REX76

63°50S 58°15W R Carlson Island	2.0±0.5 MY(D.2166.1;IDC316)KA9 WR Basalt; James Ross Island Group. REX72 REX76
63°50S 58°15W R Carlson Island	1.4±0.3 MY(D.2166.1;AR197)KA9 WR Basalt; James Ross Island Group. REX72 REX76
63°50S 58°15W R Carlson Island	1.4±0.2 MY(D.2166.1;AR204)KA9 WR Basalt; James Ross Island Group REX72 REX76
64°00S 58°13W R James Ross Island RM	3.5±0.5 MY(D.4085.2;AR183)KA9 WR Olivine-basalt; extrusive phase IV, James Ross I. Volc. Gp. NEL66 REX72 REX76
63°56S 58°13W R James Ross Island	4.6±0.4 MY(D.4096.1;AR181)KA9 WR Basalt; James Ross Island Group. REX72 REX76
63°55S 58°13W R S of Lagrelius Pt., James Ross Island RM	2.1±1.0 MY(D.4097.2;AR182)KA9 WR Olivine-basalt in palagonite tuff; James Ross I. Volc. Gp. NEL66 REX72 REX76
63°25S 58°03W R SE end, Cape Ducorps	75±8 MY(1;H-62-19)KA4 PY Quartz-diorite; Plutonic Intrusive Suite. HAL62 HAL64
63°17S 57°58W R Bulnes Island area	100±20 MY(2;H-62-14)KA4 PY Gabbro; poss. Plutonic Intrusive Suite. HAL62 HAL64
63°19S 57°54W RM* "Base O'Higgins" area	74.7±2.8 MY(H-62-4)KA4 PY Porphyritic andesite dike; cuts unnamed fm. HAL64 (*avg. coords. for the area)
63°19S 57°54W RM* "Base O'Higgins" area	116±4 MY(H-62-26)KA4 HB Diorite pebble; "pebbly mudstone unit" of unnamed fm. HAL64 (*avg. coords. for the area)
63°19S 57°54W RM* "Base O'Higgins" area	86±7 MY(H-62-76)KA4 PY Porphyritic andesite;--. HAL64 (*avg coords. for the area)
63°44S 57°52W G Red Island RM	1.6±0.2 MY(27812)KA9 WR Alkali basalt; James Ross I. Volc. Gp. BAK77
63°50S 57°52W R James Ross Island RM	4.6±0.4 MY(D.3753.5;AR692)KA9 WR Microdiorite; --. NEL66 REX76 (may be extrusive phase II, James Ross I. Volc. Gp. from Lachman Crags)
63°40S 57°37W R S side, South Tail I RM	2.7±0.5 MY(D.3771.1)KA9 WR Basalt; extrusive phase I, James Ross I. Volc. Gp. NEL66 REX72
63°16S 57°36W R Coupvent Point	90±4 MY(D.3510.1;IDB778)KA9 HB Quartz-diorite; --. REX76 (appears to be Andean Intrusive Suite)
63°16S 57°36W R Coupvent Point	89±5 MY(D.3510.1;IDB789)KA9 BT Quartz-diorite; --. REX76 (appears to be Andean Intrusive Suite)
63°38S 57°25W R Eagle Island	2.0±0.2 MY(D.3776.1;AR603)KA9 WR Olivine-basalt; --. REX76
63°38S 57°25W R Eagle Island	1.7±0.2 MY(D.3776.1;AR712)KA9 WR Olivine-basalt; --. REX76
63°33S 57°22W G View Point	386±40 MY RS8I3/0.7108±0.0010 WR Detrital granite cobbles in a cgl; View Pt. Fm., Trinity Pen. Gp. BRI81 PAN83 ("errorchron" date; BAS "unpubl. data")
63°36S 57°22W R Beak Island	1.7±0.2 MY(D.3711.3;AR597)KA9 WR Olivine-basalt; --. REX76
63°36S 57°22W R Beak Island	2.0±0.2 MY(D.3711.3;AR694)KA9 WR Olivine-basalt; --. REX76

64°16S 57°21W R nr Gourden Glacier, James Ross Island RM	3.3±0.8 MY(D.4053.6;AR606)KA9 WR Basalt; --. NEL66 REX76 (may be extrusive phase III, James Ross I Volc. Gp.)
64°16S 57°21W R nr Gourdon Gl. RM	2.2±0.5 MY(D.4053.11;AR180)KA9 WR Olivine-basalt; extrusive phase III, James Ross I. Volc. Gp. NEL66 REX72 REX76
63°14S 57°08W R NW of Mt. Bransfield	101±5 MY(D.3504.4;IDB780)KA9 HB Quartz-diorite; --. REX76 (appears to be Andean Intrusive Suite)
63°17S 57°06W R Mount Bransfield	93±4 MY(D.3504.1;IDB706)KA9 BT Hypersthene-quartz-diorite;--. REX76 (appears to be Andean Intrusive Suite)
63°17S 57°06W R Mount Bransfield	97±5 MY(D.3504.1;IDB731)KA9 HB Hypersthene-quartz-diorite;--. REX76 (appears to be Andean Intrusive Suite)
63°31S 57°01W G Lizard Hill RM	92±2 MY RS8I3/0.7040±0.0001 WM Granodiorite; --. PAN82
63°31S 57°01W R Lizard Hill	384±15 MY(D.17;IDB696)KA9 BT Granite; Paleozoic Intrusive Suite. REX76
63°31S 57°01W R Lizard Hill	351±14 MY(D.19;IDB714)KA9 BT Granite; Paleozoic Intrusive Suite. REX76
63°31S 57°01W R Lizard Hill	374±15 MY(D.19;IDB724)KA9 MC Granite; Paleozoic Intrusive Suite. REX76
63°25S 57°01W G Scar Hills	281±16 MY("BR.072.1")RS7I3/0.7069±0.0001 WR Red arkosic grit(1), grey-green grit(1), banded mud/siltstone(5); Hope Bay Fm., Trinity Pen. Gp. PAN83 ("errorchron" date; isochron of 5 samples=296±4 MY with IR=0.7063±0.0001)
63°32S 57°00W G NW Tabarin Pen. RM	0.9±0.2 MY(27831)KA9 WR Alkali basalt (hawaiite); James Ross I. Volc. Gp. BAK77
63°23S 57°00W G Hope Bay	242±50 MY RS2I WR Shale; Trinity Pen. Fm. DAL72A DAL82
63°32S 56°57W R Tabarin Pen.	1.1±0.1 MY(D.3787.1;AR600)KA9 WR Basalt; --. REX76
63°32S 56°57W R Tabarin Pen.	1.1±0.1 MY(D.3783.1;AR701)KA9 WR Basalt; --. REX76
64°17S 56°45W G Seymour Island	6.8 MY(#?)K/A WR Dike;--. ZIN82 (quoted from RIN78)
63°30S 55°55W G Islet E of Dundee Island RM	72±3 MY(27809)KA9 WR Basaltic andesite; --. BAK77
63°35S 55°47W G N end Paulet I. RM	0.3±0.1 MY(27788)KA9 WR Alkali basalt; James Ross I. Volc. Gp. BAK77

GEOGRAPHIC AREA 34:	SOUTH SHETLAND ISLANDS AND SOUTH ORKNEY ISLANDS (samples from west to east by coordinates)
63°00S 62°30W G	58 MY(#?)K/A GU Metamorphic rocks;
Smith Island	likely pre-middle Jurassic basement complex. DAL82
63°00S 62°30W G	c.70 MY RS7I3/0.704* WR Schist (Terrane A);
Smith Island RM	Scotia Metamorphic Complex. TAN92 (*date based on broad concordance of these 7 samples with isochron listed for 2/46, Elephant I.)
63°00S 62°30W G	LT 135 MY(4.831.3)RSM3/0.703 WR Schist (Terrane A);
Smith Island	Scotia Metamorphic Complex. TAN82
63°13S 62°15W G	121±3 MY(P.407.4)KA17 WR Granodiorite pluton;
Cape Wallace, Low I.	cuts later Jurassic marine beds. PAN83B
63°13S 62°15W G	127 MY(#?)A/A WR Dacitic intrusion;
Cape Wallace, Low Island	--. PAN83B (Elliot, Dupré and Gracanin, pers. comm.)
63°18S 61°59W G	120±5 MY(P.215.1)KA17 WR Micro-ademellite pluton;
nr Cape Hooker, Low I.	cuts later Jurassic marine beds. PAN83B
62°35S 61°13W G	129±4 MY(P.862.3)KA17 WR Andesite dike (coarse mesh);
Start Point Pen. RM	cuts "younger" agglomeratic unit. PAN80
62°35S 61°13W G	127±4 MY(P.862.3)KA17 WR Andesite dike (coarse mesh);
Start Point Pen. RM	cuts "younger" agglomeratic unit. PAN80
62°35S 61°13W G	127±7 MY(P.862.4)KA17 WR Basalt sill (coarse mesh);
Start Point Pen. RM	nr. base of "younger" agglomeratic unit. PAN80
62°35S 61°13W G	119±4 MY(P.862.4)KA17 WR Basalt sill (coarse mesh);
Start Point Pen. RM	nr. base of "younger" agglomeratic unit. PAN80
62°44S 61°12W G	46±2 MY(P.417.2)KA17 WR Dacite extrusive;
President Head, Snow Island	--. PAN83B
62°41S 61°06W G	108±4 MY(P.845.1b)KA17 WR Basalt lava (fine mesh);
Vietor Rk area RM	youngest of three lava flows with tuffs. PAN80
62°41S 61°06W G	103±4 MY(P.845.1b)KA17 WR Basalt lava (coarse mesh);
Vietor Rk area RM	youngest of three lava flows with tuffs. PAN80
62°41S 61°06W G	107±4 MY(P.845.2c)KA17 WR Basaltic andesite
Vietor Rk area RM	(fine mesh); from sequence of three lava flows with tuffs. PAN80
62°41S 61°06W G	109±4 MY(P.845.2c)KA17 WR Lava (coarse mesh);
Vietor Rk area RM	from sequence of three lava flows with tuffs. PAN80
62°41S 61°06W G	86±3 MY(P.845.3a)KA17 WR Basaltic andesite (fine mesh);
Vietor Rk area RM	oldest of three lava flows with tuffs. PAN80
62°41S 61°06W G	91±4 MY(P.845.3a)KA17 WR Lava (fine mesh);
Vietor Rk area RM	oldest of three lava flows with tuffs. PAN80
62°41S 61°06W G	82±3 MY(P.845.3a)KA17 WR Lava (coarse mesh);
Vietor Rk area RM	oldest of three lava flows with tuffs. PAN80
62°41S 61°06W G	74±3 MY(P.845.3b)KA17 WR Basaltic andesite (fine mesh);
Vietor Rk area RM	oldest of three lava flows with tuffs. PAN80
62°41S 61°06W G	73±3 MY(P.845.3b)KA17 WR Lava (coarse mesh);
Vietor Rk area RM	oldest of three lava flows with tuffs. PAN80
62°41S 61°06W G	108±4 MY(P.845.8)KA17 WR Dolerite plug (coarse mesh);
Vietor Rk area RM	cuts tuffaceous sediments underlying lava. PAN80
62°41S 61°06W G	109±4 MY(P.845.9)KA17 WR Dolerite plug (coarse mesh);
Vietor Rk area RM	cuts tuffaceous sediments underlying lava. PAN80
62°38S 61°05W G	111±4 MY RS10I3/0.7051±0.0002 WR Rhyolite;
Byers Pen. RM	--. PAN82
62°38S 61°05W G	74±3 MY(P.850.5)KA17 WR Basalt sill (fine mesh);
E Byers Pen. RM	from sequence of lavas. PAN80
62°38S 61°05W G	77±4 MY(P.850.5)KA17 WR Basalt sill (fine mesh);
E Byers Pen. RM	from sequence of lavas. PAN80

62°38S 61°05W G E Byers Pen. RM	92±3 MY(P.850.8)KA17 WR Basalt lava (fine mesh); from sequence of lavas. PAN80
62°38S 61°05W G E Byers Pen. RM	97±6 MY(P.850.8)KA17 WR Basalt lava (coarse mesh); from sequence of lavas. PAN80
62°38S 61°05W G E Byers Pen. RM	78±3 MY(P.850.11)KA17 WR Basalt lava (fine mesh); from sequence of lavas. PAN80
62°38S 61°05W G E Byers Pen. RM	81±5 MY(P.850.11)KA17 WR Basalt lava (coarse mesh); from sequence of lavas. PAN80
62°38S 61°05W G E Byers Pen. RM	77±3 MY(P.864.1a)KA17 WR Basalt sill (fine mesh); from sequence of lavas. PAN80
62°38S 61°05W G E Byers Pen. RM	78±3 MY(P.864.1a)KA17 WR Basalt sill (fine mesh); from sequence of lavas. PAN80
62°38S 61°05W G E Byers Pen. RM	74±3 MY(P.864.1a)KA17 WR Basalt sill (coarse mesh); from sequence of lavas. PAN80
62°38S 61°05W G E Byers Pen. RM	74±3 MY(P.864.1c)KA17 WR Basalt sill (fine mesh); from sequence of lavas. PAN80
62°38S 61°05W G E Byers Pen. RM	73±3 MY(P.864.1c)KA17 WR Basalt sill (coarse mesh); from sequence of lavas. PAN80
62°38S 61°05W G E Byers Pen. RM	89±4 MY(P.864.2)KA17 WR Dolerite plug (coarse mesh); --. PAN80
62°38S 61°05W G E Byers Pen. RM	95±5 MY(P.864.4)KA17 WR Dolerite plug (coarse mesh); --. PAN80
62°38S 61°05W G Chester Cone area RM	116±5 MY(P.848.1)KA17 WR Andesite plug (fine mesh); Chester Cone intrusions. PAN80
62°38S 61°05W G Chester Cone area RM	107±4 MY(P.848.1)KA17 WR Andesite plug (fine mesh); Chester Cone intrusions. PAN80
62°38S 61°05W G Chester Cone area RM	107±4 MY(P.848.1)KA17 WR Andesite plug (coarse mesh); Chester Cone intrusions. PAN80
62°38S 61°05W G Chester Cone area RM	132±5 MY(P.848.7)KA17 AM Megacrysts from andesite; Chester Cone andesite. PAN80
62°38S 61°05W G Chester Cone area RM	111±4 MY(P.848.5)KA17 WR Andesite plug (fine mesh); Chester Cone intrusions. PAN80
62°38S 61°05W G Chester Cone area RM	116±4 MY(P.848.5)KA17 WR Andesite plug (coarse mesh); Chester Cone intrusions. PAN80
62°38S 61°05W G Chester Cone area RM	112±4 MY(P.848.5)KA17 WR Andesite plug (coarse mesh); Chester Cone intrusions. PAN80
62°38S 61°05W G Chester Cone area RM	109±4 MY(P.848.14)KA17 WR Rhyolite lava (coarse mesh); --. PAN80
62°38S 61°05W G Chester Cone area RM	132±5 MY(P.848.7)KA17 AM Megacrysts from andesite; Chester Cone andesite. PAN80
62°38S 61°05W G Chester Cone	111±4 MY RSI3 WR Acid volcanics; --. PAN83B
62°40S 61°04W G South Beaches RM	1025±80 BP(115732;I-7869)14C3 CO Whalebone vertebrate, foreslope of 3.5-5 m raised beach, alt. 4.5 m. CUR80 (age corrected for 14C deficiency is 85±80 BP)
62°40S 61°04W G South Beaches RM	2530±85 BP(15731;I-7870)14C3 CO Whalebone vertebrae, rear of 6m raised beach, alt. 7.6 m. CUR80 (age corrected for 14C deficiency is 1590±85 BP)
62°40S 61°04W G Start Point RM	4905±100 BP(13731;I-7872)14C3 CO Whalebone vertebrae, exposed on rear of storm beach, alt. 1.8 m. CUR80 (age corrected for 14C deficiency is 3965±100 BP)
62°38S 61°00W R Byers Peninsula	2820±40 BP(SRR-1086)14C2 CO Whalebone vertebra embedded in shingle ridge crest of "10 m" raised beach. HAR81 (age corrected for 14C deficiency is 2100 BP)

62°38S 61°00W R Byers Peninsula	3130±40 BP(SRR-1087)14C2 CO Whalebone, 200 m from SRR-1086. HAR81
62°42S 60°56W R E South Beaches RM	1056±130 BP(Birm-50)14C2 CO Whalebone centrum, c. 3 m a.s.l., embedded in emerged beach;--.SHO71 SUG73
62°41S 60°23W G Hurd Peninsula	197 MY R/S WR Five samples from mudstone layer w/ crude slaty cleavage; Miers Bluff Fm. DAL72A (recalc. as 204±10 MY, RS5I3/0.7091±0.0011 in PAN83)
62°40S 60°22W G nr Johnson's Dock Livingston Island RM	55 MY(101/1)KA6 WR Altered basalt porphyry from dike;--. GRI70
62°43S 60°22W G False Bay	38 MY(#?)A/A BT Pluton;--. ELL83 (cooling date)
62°46S 60°21W G Barnard Point	40±1 MY(P.1259.2)KA17 BT Tonalite pluton; --. PAN83B
62°46S 60°21W G Barnard Point	46±2 MY(P.1259.2)KA17 HB Tonalite pluton; --. PAN83B
62°42S 60°16W R E side, False Bay	39±4 MY(LI110)RS*/0.706 BT Tonalite; "Andean" intrusives. DAL73 (*mineral data set the age; WR and BT analyses determined the IR; avg of three LI110 samples= 40±10 MY)
62°42S 60°16W R E side, False Bay	38±8 MY(LI110)RS*/0.712 BT Tonalite; "Andean" intrusives. DAL73 (*mineral data set the age; WR and BT analyses determined the IR; avg of three LI110 samples= 40±10 MY)
62°42S 60°16W R E side, False Bay	42±5 MY(LI110)RS*/0.707 BT Tonalite; "Andean" intrusives. DAL73 (*mineral data set the age; WR and BT analyses determined the IR; avg of three LI110 samples= 40±10 MY)
62°35S 60°15W G Gleaner Heights	0.1±0.4 MY(P.51.1)KA17 WR Basalt extrusive; --. PAN83B
62°28S 60°08W* Sayer Nunatak	74±2 MY(P.225.1a)KA17 WR Basalt sill;--. PAN83B (*coords. taken from Antarct. Jl. U.S. 17(4):9-12)
62°28S 60°08W* Sayer Nunatak	79±2 MY(P.225.1b)KA17 WR Basalt sill;--. PAN83B (*coords. taken from Antarct. Jl. U.S. 17(4):9-12)
62°28S 60°08W* Sayer Nunatak	81±2 MY(P.428.3)KA17 WR Clast in vent;--. PAN83B (*coords. taken from Antarct. Jl. U.S. 17(4):9-12)
62°33S 60°01W G Edinburgh Hill	c.1 MY(#?)A/A WR Plug; --. ELL83
62°27S 59°59W* Express Island	84±2 MY(P.926.1)KA17 WR Microgabbro extrusive; --. PAN83B (*coords. taken from Antarct. Jl. U.S. 17(4):9-12)
62°36S 59°55W G Half Moon Island RM	105 MY(4a)KA6 WR Quartz-bearing diorite; outcrop amongst effusive strata. GRI70
62°28S 59°49W G Mt. Plymouth	0.2±0.3 MY(P.54.1)KA17 WR Basalt extrusive; --. PAN83B
62°28S 59°49W G Mt. Plymouth	0.2±0.4 MY(P.55.1)KA17 WR Basalt extrusive; --. PAN83B
62°31S 59°47W G Greenwich Island	80±2 MY(P.485.1)KA17 WR Basalt sill; --. PAN83B
62°22S 59°43W G Coppermine Pen.	82±2 MY(P.840.4)KA17 WR Basalt extrusive; --. PAN83B

62°22S 59°43W G Coppermine Pen.	83±3 MY(P.840.5)KA17 WR Basalt extrusive; --. PAN83B
62°22S 59°43W G Coppermine Pen.	80±2 MY(P.840.6)KA17 WR Basalt extrusive; --. PAN83B
62°22S 59°43W G Coppermine Pen.	84±2 MY(P.842.6)KA17 WR Basalt extrusive; --. PAN83B
62°22S 59°43W G Coppermine Pen.	82±3 MY(P.842.9)KA17 WR Basalt extrusive; --. PAN83B
62°22S 59°43W G Coppermine Pen.	60±1 MY(P.1613.1)KA17 WR Basalt extrusive; --. PAN83B
62°24S 59°30W G "Kitchen Point," Robert Island	53±1 MY(P.477.1)KA17 WR Andesite extrusive; --. PAN83B
62°13S 59°02W G (Flat Top Pen.)	61±3 MY(A24K)K/A WR Andesite lava flow; may be Andean igneous complex. VAL79 (loc. given as "E. Flat Top Point")
62°13S 59°02W G (Flat Top Pen.)	88±5 MY(A11)K/A WR Andesite lava flow; may be Andean igneous complex. VAL79 (loc. given as "E. Flat Top Point")
62°13S 59°01W G Horatio Stump RM	54.3±0.6 MY(#?)KA3 WR Basaltic plug; Fildes Peninsula Group. WAT82
62°13S 59°01W G Horatio Stump	51±1 MY(P.619.1)KA17 WR Cross-cutting andesite plug; --. PAN83B
62°14S 59°00W G Fildes Strait	110±10 MY(A23)K/A WR Andesite lava flow; may be Andean igneous complex. VAL79
62°15S 58°59W R S of Rip Point RM	802±43 BP(Birm-14)14C2 WD Austrocedrus chilensis (Chilean Pine), in raised beach gravel, c. 6.5 m a.s.l.;--. SHO68 SUG73
62°12S 58°58W G S end, Fildes Pen. RM	79.2±2.6 MY(#?)KA3 WR Basaltic dike; Upper Jurassic Volcanic Group. WAT82
62°12S 58°58W G S end, Fildes Pen. RM	64.4±0.8 MY(1)KA3 WR Basaltic lava; Upper Jurassic Volcanic Group. WAT82
62°12S 58°58W G S end, Fildes Pen. RM	106.0±1.2 MY(2)KA3 WR Basaltic lava; Upper Jurassic Volcanic Group. WAT82
62°12S 58°58W G Fildes Peninsula	85 MY(20a)KA6 WR Mantle facies of olivine-pyroxene basalt; "Andean intrusive complex." GRI70
62°12S 58°58W G Fildes Peninsula	45 MY(134)KA6 WR Vent facies of andesite-basalt; "Andean intrusive complex." GRI70
62°12S 58°58W G S. Fildes Pen.	51±1 MY(P.615.1)KA17 WR Andesite extrusive; --. PAN83B
62°12S 58°58W G S. Fildes Pen.	59±2 MY(P.604.1)KA17 WR Andesite extrusive; --. PAN83B
62°12S 58°58W G S. Fildes Pen.	58±1 MY(P.608.5a)KA17 WR Andesite extrusive; --. PAN83B
62°12S 58°58W G S. Fildes Pen.	58±2 MY(P.609.3)KA17 WR Andesite extrusive; --. PAN83B
62°12S 58°58W G S. Fildes Pen.	58±1 MY(P.627.1)KA17 WR Altered lava; --. PAN83B
62°12S 58°58W G S. Fildes Pen.	31±3 MY(P.629.1)KA17 WR Altered lava; --. PAN83B
62°12S 58°58W G N. Fildes Pen.	58±4 MY(P.1149.1)KA17 WR Andesite extrusive; --. PAN83B
62°12S 58°58W G N. Fildes Pen.	52±1 MY(P.1166.7)KA17 WR Andesite extrusive; --. PAN83B

62°12S 58°58W G N. Fildes Pen.	48±1 MY(P.1147.3)KA17 WR Basalt extrusive; --. PAN83B
62°12S 58°58W G N. Fildes Pen.	48±1 MY(P.1147.4)KA17 WR Basalt extrusive; --. PAN83B
62°12S 58°58W G N. Fildes Pen.	57±3 MY(P.1162.5)KA17 WR Basalt extrusive; --. PAN83B
62°12S 58°58W G N. Fildes Pen.	43±1 MY(P.1125.1)KA17 WR Basalt andesite extrusive; --. PAN83B
62°12S 58°58W G N. Fildes Pen.	42±1 MY(P.1182.1/2)KA17 WR Dacite extrusive; --. PAN83B
62°12S 58°58W G N. Fildes Pen.	46±1 MY(P.1183.2/7)KA17 WR Dacite extrusive; --. PAN83B
62°13S 58°56W G Ardley Island	27±2 MY(A6)K/A WR Andesite lava flow; may be Andean igneous complex. VAL79
62°12S 58°55W G Suffield Point	44±1 MY(P.611.1)KA17 WR Cross-cutting andesite plug; --. PAN83B
62°13S 58°48W G (N of Marian Cove)	47.8±1.8 MY(#?)K/A WR Type 1 dolerite; Andean Intrusive Suite. DAV82 (loc.="Weaver Pen."; R.J. Pankhurst, pers. comm.)
62°13S 58°48W R E of South Spit, Marian Cove RM	1430-470 BP(Birm-17)14C2 SW Inclined sheets of gravel beneath truncation layer, c. 3 m a.s.l.;--. SHO70 SUG73
62°13S 58°48W G Marian Cove RM	55 MY(27b)KA6 WR Granodiorite from small intrusive stock of gabbroids;--. GRI70
62°13S 58°48W R E of South Spit, Marian Cove RM	1223±81 BP(Birm-16)14C2 SW Truncation layer above inclined sheets of beach gravel, c. 5m a.s.l. SHO68 SUG73 (apparently younger than modern seaweed Birm-15)
62°13S 58°48W G Marian Cove	46±1 MY(P.1473.5)KA17 WR Basaltic andesite extrusive; --. PAN83B
62°14S 58°47W R E of penguin rookery, S Barton Pen. RM	1390±140 BP(Birm-224)14C2 CO Whalebone rib, from face of raised beach gravel, c. 6-7 m a.s.l. SHO71 SUG73
62°14S 58°46W G Barton Peninsula RM	1440±55 BP(MB-2;DIC-373)14C3 CO Whale vertebrae, foreslope below 6 m raised beach, alt. 5.2 m CUR80 (age corrected for 14C deficiency is 500±55 BP)
62°14S 58°46W G Barton Peninsula RM	1210±55 BP(MB-4;DIC369)14C3 CO Whale ear bone, foreslope of 2.5-3 m raised beach, alt. 2 m. CUR80 (age corrected for 14C deficiency is 270±55 BP)
62°14S 58°46W G Noel Hill RM	46.0±0.7 MY(1)KA3 WR Granodiorite; Andean Intrusive Suite. WAT82
62°14S 58°46W G Noel Hill RM	50.2±0.6 MY(2)KA3 WR Granodiorite; Andean Intrusive Suite. WAT82
62°14S 58°46W G Noel Hill	48±1 MY(P.533.1)KA17 WR Cross-cutting granodiorite plug;--. PAN83B
62°14S 58°46W G Noel Hill	46±1 MY(P.533.2/3)KA17 WR Cross-cutting granodiorite plug;--. PAN83B
62°14S 58°42W G Potter Cove RM	49.1±0.9 MY(1)KA3 WR Upper andesite lava; Ezcurra Inlet Group. WAT82
62°14S 58°42W G Potter Cove RM	57.9±0.8 MY(2)KA3 WR Middle andesite lava; Ezcurra Inlet Group. WAT82
62°14S 58°42W G Potter Cove RM	49.7±1.7 MY(3)KA3 WR Lower andesite lava; Ezcurra Inlet Group. WAT82
62°15S 58°41W G Three Brothers Hill RM	50.6±0.7 MY(4)KA3 WR Basaltic plug; Ezcurra Inlet Group. WAT82

62°15S 58°41W G nr Three Brothers Hill RM	1360±65 BP(MB-3;DIC-371)14C3 CO Whale vertebrae, top of 6 m raised beach, alt. 6 m. CUR80 (age corrected for 14C deficiency is 420±65 BP)
62°15S 58°41W G nr Three Brothers Hill RM	1200±110 BP(SP-1;DIC-368)14C3 CO Whale vertebrae, in foreslope of 2.5-3 m raised beach, alt. 2.1 m. CUR80 (age corrected for 14C deficiency is 260±110 BP)
62°14S 58°41W G S shore, Potter Cove RM	7683±860 BP(Birm-23)14C2 SW Iron-stained sand layer "C", c. 4 m a.s.l., beneath till. SHO68 SUG73
62°14S 58°41W R S shore, Potter Cove RM	9670±230 BP(Birm-48a)14C2 SH Inner fraction, Laternula sp., junction of dark silt horizon (A) and sandy horizon (B) beneath till. SHO69 SUG73
62°14S 58°41W R S shore, Potter Cove RM	8790±260 BP(Birm-48b)14C2 SH Middle fraction, Laternula sp., junction of dark silt horizon (A) and sandy horizon (B) beneath till. SHO69 SUG73
62°15S 58°41W G Three Brothers Hill	47±1 MY(P.685.4)KA17 WR Cross-cutting andesite plug; --. PAN83B
62°15S 58°40W* Potter Peninsula	44±1 MY(P.232.1)KA17 WR Basalt extrusive; Fildes Fm. PAN83B (*coords. taken from Antarct. Jl. U.S. 17(4):9-12)
62°15S 58°40W* Potter Peninsula	45±1 MY(P.696.1)KA17 WR Basaltic andesite extrusive; Fildes Fm. PAN83B (*coords. taken from Antarct. Jl. U.S. 17(4):9-12)
62°15S 58°40W* Potter Peninsula	42±1 MY(P.750.1)KA17 WR Basaltic andesite extrusive; Fildes Fm. PAN83B (*coords. taken from Antarct. Jl. U.S. 17(4):9-12)
62°15S 58°40W* Potter Peninsula	47±1 MY(P.758.1)KA17 WR Basaltic andesite extrusive; Fildes Fm. PAN83B (*coords. taken from Antarct. Jl. U.S. 17(4):9-12)
62°15S 58°40W* Potter Peninsula	48±1 MY(P.757.2)KA17 WR Andesite extrusive; Fildes Fm. PAN83B (*coords. taken from Antarct. Jl. U.S. 17(4):9-12)
62°05S 58°26W G Keller Peninsula	41±1 MY(P.560.1)KA17 WR Unaltered andesite dike cross-cutting altered lavas;--. PAN83B
62°05S 58°26W G Keller Peninsula	44±1 MY(P.1452.2)KA17 WR Unaltered andesite dike cross-cutting altered lavas;--. PAN83B
62°05S 58°26W G Keller Peninsula	42±1 MY(P.1454.1)KA17 WR Unaltered andesite dike cross-cutting altered lavas;--. PAN83B
62°10S 58°25W G SW of Admiralty Bay	67-77 MY(#?)K/A -- Lowest exposed part of volcanic succession. PAN83B (K. Birkenmajer and W. Narebski, pers. comm.)
62°08S 58°24W G Point Hennequin	45±1 MY(P.831.2)KA17 WR Andesite lava; Hennequin Fm. PAN83B
62°08S 58°24W G Point Hennequin	27±1 MY(P.831.3)KA17 WR Andesite lava; Hennequin Fm. PAN83B
62°08S 58°24W G Point Hennequin	32±1 MY(P.831.4)KA17 WR Andesite lava; Hennequin Fm. PAN83B
62°08S 58°24W G Point Hennequin	46±1 MY(P.831.5)KA17 WR Andesite lava; Hennequin Fm. PAN83B
62°08S 58°24W G Point Hennequin	47±1 MY(P.831.8)KA17 WR Andesite lava; Hennequin Fm. PAN83B
62°08S 58°07W G Lion's Rump	42±1 MY(P.438.1)KA17 WR Andesite lava; beneath Plio-Pleistocene cgl. PAN83B
61°57S 57°50W G Esther Nunatak	32±1 MY(G.28.1)KA17 WR Andesite plug; --. PAN83B

61°30S 55°58W G O'Brien Island RM	28.6 MY(OB5)KA17 HB Schist; Scotia metamorphic complex. TAN82
61°30S 55°58W G O'Brien Island RM	29.4 MY(OB5)KA17 HB Schist; Scotia metamorphic complex. TAN82
61°15S 55°20W RM SW coast, Elephant I.	100±4 MY(JSE2/36/7)KA9 MI Quartz-albite-muscovite-schist;--. REX73
61°10S 55°14W G N Elephant I. RM	105 MY(2/44/2)KA17 AM Schist; Scotia metamorphic complex. TAN82
61°10S 55°14W G S Elephant I. RM	118 MY(3/38/2)KA17 HB Albite-hornblende-epidote-schist; Scotia metamorphic complex. TAN82
61°10S 55°14W G N Elephant I. RM	75±16 MY(2/46*)RS6I3/0.7044 WR Phyllite; Terrane A, Scotia metamorphic complex. TAN82 (*locality number; max age=250 MY for IR=0.703)
61°10S 55°14W G N Elephant I. RM	270 MY(2/36*)RSR3/0.704 WR Schist (Terrane B); Scotia metamorphic complex. TAN82 (*=locality number; isochron drawn through 4 close data points)
61°10S 55°14W G S Elephant I. RM	96±3 MY(2/36*)RS5I3 MC,WR Schist (Terrane B); Scotia metamorphic complex. TAN82 (*=locality number)
61°10S 55°14W G S Elephant I. RM	102±2 MY(2/36*)RS5I3 MC,WR Schist (Terrane B); Scotia metamorphic complex. TAN82 (*=locality number)
61°10S 55°14W R nr "Wreck Cove" SW Elephant I. RM	82.7±3.5 MY(E62-1)KA12 WR Quartz-calcite-amphibole schist; Elephhant Island subgroup. DAL72
61°10S 55°14W R nr "Wreck Cove" SW Elephant I. RM	77.6±1.6 MY(E62-4)KA12 WR Quartz-calcite-amphibole schist; Elephant Island subgroup. DAL72
61°10S 55°14W R nr "Wreck Cove" SW Elephant I. RM	88.3±1.6 MY(E62-5)KA12 WR Quartz-calcite-amphibole schist; Elephant Island subgroup. DAL72
61°10S 55°14W R nr "Wreck Cove" SW Elephant I. RM	81.4±1.6 MY(E62-8)KA12 WR Quartz-calcite-amphibole schist; Elephant Island subgroup. DAL72
61°10S 55°14W R Elephant Island	1515±36 BP(#?)14C MO Bank, c. 240 cm depth. COL76 (may be same sample as SRR-27 of HAR79 dated as 1520±40 BP)
61°S 55°W M Clarence and/or N. Elephant Islands	104-105 MY(#?)K/A MC Glaucophane schist; suggested correlation with Paleozoic-lower Mesozoic complex of South Orkneys. DAL82
61°08S 54°42W G N of Walker Point	1520±40 BP(SRR-28)14C1 MO Peat from eroded bank. HAR79 (loc. described as SE slope; may be same sample dated as 1515±36 BP in COL76)
61°04S 54°28W G S Cornwallis I. RM	9.5±0.4 MY(JSE2/106/6)KA9 BT Granodiorite; Andean Intrusive Suite. REX73
61°19S 54°06W R Cape Bowles, Clarence Island	71±40 MY RS7I3/0.7094±0.0005 WR Phyllites and/or schists; blueschist-greenschist facies, Scotia Metamorphic Complex. HER84 ("errorchron"; model ages=300-800 MY if IR=0.704)
61°12S 54°05W G E Clarence Island RM	30 MY(31a)KA6 WR Sericite-chlorite-quartz schist; contains Upper Precambrian microfossils. GRI70
61°12S 54°05W G E Clarence Island RM	55 MY(31b)KA6 WR Chlorite-epidote schist; contains Upper Precambrian microfossils. GRI70
60°45S 45°41W R N of Snipe Pk., Moe I.	186±7 MY(H.135B.1;IDC74)KA9 MC Schist; Basement complex. REX76

60°45S 45°41W R N of Snipe Pk., Moe I.	178±7 MY(H.135.B1;IDC63)KA9 BT Schist; Basement complex. REX76
60°40S 45°40W R E of Rusty Bluff	δ14C=-13.9±8.5°/oo=Modern (SRR-515)14Cl MO Peat (Chorisodontium aciphyllum, w/ Polytrichum alpestre), bank between ice and rock outcrop. HAR79 (infer="1770-1910 or 1850-1920 AD" sample in FEN82A with site shown on RM)
60°40S 45°40W R E of Rusty Bluff	δ14C=-6.0±8.3°/oo=Modern (SRR-514)14Cl MO Peat (Chorisodontium aciphyllum, w/ Polytrichum alpestre), base of deposit, under 65 cm of ice. HAR79 (may not be in situ; infer="1814-1944 or 1850-1910 AD" sample in FEN82A w/site shown on RM)
60°40S 45°40W R Signy Island	d14C=-20.5±4.6°/oo=Modern (SRR-897)14Cl MO Shallow bank of Chorisodontium aciphyllum, c. 10 cm deep. HAR81 (infer="1731-1811 or 1900-1930 AD" sample in FEN82A with site shown on RM)
60°40S 45°40W R Signy Island	470±60 BP(SRR-898;8)14Cl MO Lower edge (1 m above present ice) of bank of Chorisodontium aciphyllum w/ some Polytrichum alpestre, c. 15-20 cm deep. HAR81 (infer="1425-1535 AD" sample in FEN82A with site shown on RM)
60°40S 45°40W R Signy Island	d14C=+24.5±5.5°/oo=Modern (SRR-899;9)14Cl MO Chorisodontium aciphyllum, c. 10-15 cm deep, on level ground. HAR81 (infer="Post-1950 AD" sample in FEN82A with site shown on RM)
60°40S 45°40W AR Signy Island	d14C=+6.9±4.3°/oo=Modern (SRR-901;11)14Cl MO Chorisodontium aciphyllum bank, 10-15 cm deep at lower end, 2 m from permanent ice. HAR81 (infer="Post-1950 AD" sample in FEN82A with site shown on RM)
60°42S 45°40W G NW coast above Spindrift Rocks	1843±96 BP(Q-801)14C2 MO Polytrichum-Dicranum, from base (150-170 cm from surface) of large frozen moss bank, 150-200 ft. a.s.l. GOD66
60°41S 45°38W R Spindrift, Signy I.	3380±100 BP(SRR-1088;13)14Cl MO Peat (Chorisodontium aciphyllum) bank overlying bedrock, sample from base of bank, c. 2 m depth. HAR81
60°41S 45°38W R Spindrift, Signy I.	4800±300 BP(SRR-1089;14)14Cl MO Peat (Chorisodontium aciphyllum) bank overlying bedrock, sample from base of bank, c. 1.25 m depth. HAR81 (reported as 4801±300 BP in FEN82B)
60°41S 45°38W R Spindrift, Signy I.	1210±40 BP(SRR-1090;14)14Cl MO Peat (Chorisodontium aciphyllum) bank overlying bedrock, sample from base of front face, c. 2 m depth. HAR81
60°41S 45°38W R Spindrift, Signy I.	1150±40 BP(SRR-1091;16)14Cl MO Peat (Chorisodontium aciphyllum) bank overlying bedrock, sample from front face, c. 1.95 m depth. HAR81
60°41S 45°38W R Spindrift, Signy I.	1050±40 BP(SRR-1092;17)14Cl MO Peat (Chorisodontium aciphyllum) bank overlying bedrock, sample from front face, c. 1.6 m depth. HAR81

60°41S 45°38W R Spindrift, Signy I.	480±40 BP(SRR-1093;18)14Cl MO Peat (Chorisodontium aciphyllum) bank overlying bedrock, sample from front face, c. 1.3 m depth. HAR81
60°41S 45°38W R Spindrift, Signy I.	430±40 BP(SRR-1094;19)14Cl MO Peat (Chorisodontium aciphyllum) bank overlying bedrock, sample from ceiling of overhang, c. 1 m deep in base of bank. HAR81
60°43S 45°38W G Signy Island RM	191 MY(H.173.7A)KA17 HB Albite-epidote-amphibolite facies (Terrane B); Scotia meta. complex. TAN82
60°43S 45°38W G Signy Island RM	185 MY(H.173.7A)KA17 HB Albite-epidote-amphibolite facies (Terrane B); Scotia meta. complex. TAN82
60°43S 45°38W G Signy Island RM	183 MY(H.173.7B)KA17 HB Albite-epidote-amphibolite facies (Terrane B); Scotia meta. complex. TAN82
60°43S 45°38W G Signy Island RM	184 MY(H.173.7B)KA17 HB Albite-epidote-amphibolite facies (Terrane B); Scotia meta. complex. TAN82
60°43S 45°38W G Signy Island RM	192 MY(H.206.2A)KA17 HB Albite-epidote-amphibolite facies (Terrane B); Scotia meta. complex. TAN82
60°43S 45°38W G Signy Island RM	188 MY(H.206.2B)KA17 HB Albite-epidote-amphibolite facies (Terrane B); Scotia meta. complex. TAN82
60°43S 45°38W G Signy Island RM	193 MY(H.900)KA17 HB Albite-epidote-amphibolite facies (Terrane B); Scotia meta. complex. TAN82
60°43S 45°38W G Signy Island RM	190 MY(H.950)KA17 HB Albite-epidote-amphibolite facies (Terrane B); Scotia meta. complex. TAN82
60°43S 45°38W R Berntsen Pt., Signy I.	177±7 MY(H.220.1;IDC54)KA9 BT Schist; Basement complex. REX76
60°43S 45°38W G Signy I. and 60°45S 45°42W G Moe I.	193 MY(H.1,365.1 and H.1,384.1)KA14 BT Quartz-mica-schist; basement schist. MIL60 (composite sample)
60°43S 45°38W G Signy Island	286±57 MY RS8I2/0.7122±0.002 WR Schist; Basement complex. REX76 (date=271±54 MY using RS8I4; coords. of each sample are listed in REX76)
60°43S 45°38W G Signy Island	176 MY(H.60.3)KA14 BT Quartz-mica-schist; basement schists. MIL60
60°43S 45°38W G Signy Island	199 MY(H.86.1)KA14 BT Quartz-mica-schist; basement schists. MIL60
60°43S 45°38W G Signy Island	183 MY(H.154.8)KA14 BT Quartz-mica-schist; basement schists. MIL60
60°43S 45°38W G Signy Island	184 MY(H.164.2)KA14 BT Quartz-mica-schist; basement schists. MIL60
60°43S 45°38W G Signy Island	195 MY(H.205.2)KA14 BT Quartz-mica-schist; basement schists. MIL60
60°43S 45°38W G Signy Island	195 MY(H.507.3)KA14 BT Quartz-mica-schist; basement schists. MIL60
60°43S 45°38W G Signy Island	176 MY(H.507.3)KA14 BT Quartz-mica-schist; basement schists. MIL60
60°43S 45°38W G Signy Island	189 MY(H.1,369.1)KA14 BT Quartz-mica-schist; basement schists. MIL60
60°41S 45°38W R Spindrift, Signy I.	1010±40 BP(SRR-1095;20)14Cl MO Peat(Chorisodontium aciphyllum) bank overlying bedrock, sample from below vertical edge. HAR81

60°41S 45°38W R Signy I.	235 MY(11)KA6 WR Plagioclase-actinolite schist; --. GRI67
60°43S 45°38W G Signy I.	225 MY(12)KA6 WR Garnet-quartz-mica schist; --. GRI67
60°43S 45°38W G Signy I.	205 MY(13)KA6 MC Garnet-quartz-mica schist; --. GRI67
60°43S 45°38W G below Jane Peak RM	254±35 BP(13*)14C MO Base of re-exposed 30 cm thick Chorisodontium aciphyllum peat bank. COL76 (*site number; appears to be same sample as SRR-27 of HAR79 listed from below Jane Peak)
60°43S 45°38W G below Jane Peak, Signy I.	δ14C=-26.3±3.8°/oo=Modern (SRR-27)14Cl MO Exposed peat from base of bank, c. 30 cm deep. HAR79 (infer="1661-1731 or 1935-1950 AD" sample in FEN82A with site shown on RM)
60°44S 45°38W G in McLeod Glacier	d14C=+42.0±4.9°/oo=Modern (SRR-895;5)14Cl MO Carpet of Drepanocladus uncinatus on rk. outcrop. HAR81 (infer="Post-1950 AD" sample in FEN82A with site shown on RM)
60°44S 45°38W G in McLeod Glacier	d14C=-13.4±6.5°/oo=Modern (SRR-900;10)14Cl LI Usnea antarctica on same rock outcrop as SRR-895. HAR81 (infer="1799-1909 or 1850-1910 AD" sample in FEN82A with site shown on RM)
60°44S 45°38W G E of Rusty Bluff	δ14C=-24.3±6.6°/oo=Modern (SRR-513)14Cl MO Peat (Chorisodontium aciphyllum w/ Polytrichum alpestre), upper layer of deposit, under 65 cm of ice. HAR79 (infer="1733-1843 or 1900-1935 AD" sample in FEN82A with site shown on RM)
60°41S 45°37W G below Spindrift Col	d14C=+1.9±6.5°/oo=Modern (SRR-896;6)14Cl MO Polytrichum juniperinum cushion on rk. outcrop. HAR81 (infer="Post-1950 AD" sample in FEN82A with site shown on RM)
60°40S 45°35W G nr Cape Hansen	168±60 BP(#?)14C MO Re-exposed moss. HAR81
60°38S 45°35W G W of Shingle Cove, Coronation I.	d14C=-23.2±4.9°/oo=Modern (SRR-902)14Cl MO Polytrichum alpestre and Chorisodontium aciphyllum re-exposed turf bank, c. 20 cm deep. HAR81 (infer="1738-1818 or 1910-1940 AD" sample of FEN82A)
60°38S 45°35W R Coronation I.	189±7 MY(H.1374.1;IDC48)KA9 MC Schist; Basement complex. REX76
60°38S 45°35W R Coronation I.	187±7 MY(H.246.1;IDC35)KA9 MC Schist; Basement complex. REX76
60°39S 45°32W R Cape Hansen, Coronation I.	δ14C=-17.0±7.5°/oo=Modern (SRR-512)14Cl MO Basal 3.5 cm of re-exposed 10 cm-thick peat bank (Chorisodontium aciphyllum). HAR79 (infer="1722-1842 or 1890-1945 AD" sample of FEN82A)
60°45S 45°09W G Matthews I. RM	c.90 MY(#?)K/A WR Basic doleritic dike; cuts Spence Harbour Conglomerate. THO81 (based on 3 samples analyzed by R.J. Pankhurst)

GEOGRAPHIC AREA 35:	OCEAN SITES WITHIN C. 250 KM OF THE WEST ANTARCTIC COAST, EXCLUDING WEDDELL SEA (samples from west to east by coordinates)
64°05'30"S 75°19'42"W R SE Pacific Basin	18,240±1050 BP(FSU-46)14C2 FO Globigerina parhyderma; Core No. 10-15, 0-10 cm from top. STI66
64°05'30"S 75°19'42"W R SE Pacific Basin	23,940±925 BP(FSU-48)14C2 FO Globigerina parhyderma; Core No. 10-15, 20-30 cm from top. STI66
64°10'30"S 75°18'00"W R SE Pacific Rise	22,460±925 BP(FSU-47)14C2 FO Globigerina parhyderma; Core No. 10-14, 5-15 cm from top. STI66
60°02'00"S 64°54'00"W R mid. Drake Passage	GT 23,600 BP(FSU-49)14C2 FO Globigerina parhyderma; Core No. 4-14, 85-95 cm from top. STI66

GEOGRAPHIC AREA 36:	FILCHNER ICE SHELF, RONNE ICE SHELF, WEDDELL SEA, AND ASSOCIATED ISLANDS (samples from south to north by coordinates)
74°22.57S 37°45.50W R SE Weddell Sea	31,290+4330-2800 BP(212/15;T-3,625)14C SH Fragments 1-10 mm in size, from overconsolidated till from shelf edge at water depth 512 m. ELV81
74°16.15S 39°26.44W R SE Weddell Sea	GT 35,100 BP(214/175;T-3,835)14C SH Bivalves in situ in glaciomarine deposits from upper continental slope at water depth 730 m. ELV81
72°10S 16°35W R SE Weddell Sea	21,240±760 BP(234/35;T-3,617)14C Bryozoan debris, in glaciomarine deposits from upper continental slope at water depth 650 m. ELV81
72°10S 16°35W R SE Weddell Sea	28,130±1410 BP(234/85;T-3,618)14C Bryozoan debris, in glaciomarine deposits from upper continental slope at water depth 650 m. ELV81
72°10S 16°35W R SE Weddell Sea	37,830±3110 BP(234/105;T-3,332)14C Bryozoan debris, in glaciomarine deposits from upper continental slope at water depth 650 m. ELV81
70°00S 2°00W RM nr SANAE, E edge, Weddell Sea	3950±160 BP(206/16;T-3836)14CC Coral, in glaciomarine sediments from outer continental shelf at water depth 420 m. ELV83 (date=4700 BP minus 750 yr correction factor)

GEOGRAPHIC AREA 37: CENTRAL EAST ANTARCTICA (samples from south to north by coordinates)

No listings

LIST 2

RADIOCARBON DATES ON MARINE AND LACUSTRINE MATERIAL, INDEPENDENTLY ESTABLISHED OR INFERRED TO BE RECENT (samples arranged by coordinates in the same fashion as List 1)

GEOGRAPHIC AREA 3

74°54S 163°39E G Inexpressible I. RM	1390±40 BP(QL-171)14C1 SE Weddell seal killed in 1912 by Scott's Northern Party. STU81
74°54S 163°39E G Inexpressible I. RM	1770±50 BP(QL-172)14C1 PQ Remains of Adelie penguin in rookery on emerged beaches. STU81
74°54S 163°39E G Inexpressible I. RM	1300±50 BP(QL-173)14C1 PQ Emperor penguin killed in 1912 by Scott's Northern Party. STU81
75°02S 162°36E G Backstairs Passage (Glacier) RM	1540±50 BP(QL-175)14C1 SH From surface of floating ice tongue. STU81

GEOGRAPHIC AREA 6

77°43S 162°25E G ice of L. Bonney	615±100 BP(#?)14C SE Dead no more than a few weeks. DOR71 (may refer to M-1920)
77°40-43S 162°30-45E R Suess Gl., L. Bonney, Nussbaum Riegel	615±100 BP(M-1920)14C2 SK Crabeater seal, side away from ground; dead no longer than 1 yr. CRA72
77°34S 163°35E G Explorers Cove	850±50 BP(QL-98)14C1 SH Adamussium colbecki, with soft parts attached, surface of sea ice. STU81
77°34S 163°35E G Explorers Cove	990±50 BP(QL-996)14C1 SH Adamussium colbecki, alive, from Cove floor at 25 m depth. STU81

GEOGRAPHIC AREA 19

69°10S 37°30E G Lutzow-Holm Bay	1190±90 BP(GaK-6789a)14C FL Living Neoliuccinum eatoni, c. -17 to -35 m. YOS79
69°10S 37°30E G Lutzow-Holm Bay	1300±90 BP(GaK-6789b)14C SH Living Neoliuccinum eatoni, c. -17 to -35 m. YOS79
69°10S 37°30E G Lutzow-Holm Bay	1070±90 BP(GaK-6790a)14C FL Living Ophionotus victoriae, -92 m. YOS79
69°10S 37°30E G Lutzow-Holm Bay	1210±100 BP(GaK-6790b)14C SH Living Ophionotus victoriae, -92 m. YOS79
69°10S 37°30E G Lutzow-Holm Bay	1160±110 BP(GaK-6791a)14C FL Living Sterechinus neumayeri, -17 m. YOS79
69°10S 37°30E G Lutzow-Holm Bay	860±110 BP(GaK-6791b)14C SH Living Sterechinus neumayeri, -17 m. YOS79
69°10S 37°30E G Lutzow-Holm Bay	1160±110 BP(GaK-6792)14C Living Trematomus berunacchii, -15 m. YOS79

(LIST 2 CONTINUED)

69°10S 37°30E G Lutzow-Holm Bay	1010±110 BP(GaK-6793)14C Living Zoarcidae sp., -500 m. YOS79
69°10S 37°30E G Lutzow-Holm Bay	1120 BP Mean value of correction factor determined from Lutzow-Holm Bay samples of YOS79
68°44.5S 38°42.0E R Lutzow-Holm Bay	880±115 BP(N-860)14C2 Sea water, -10m. OMO72
69°40.0S 39°23.5E R lake nr Syowa Sta.	δ14C=+278±19°/oo=Modern (N-859)14C2 Lake water, -0.5 m. OMO72
69°40.0S 39°23.5E R lake nr Syowa Sta.	δ14C=+253±19°/oo=Modern (N-861)14C2 Lake water, -0.5 m. OMO72
69°16.1S 39°29.5E R S of Ungane Islands	1455±110 BP(TH-052)14C2 SE Skin from recent seal which died on foot ice on 9/2/73. OMO76
69°00'29"S 39°34'30"E R East Ongul Island	150±80 BP(GaK-3666)14C2 SH Living sea urchin, on sea bottom, about -10 m a.s.l. OMO74 YOS83 (date for Dr. T. Hoshiai, pers. comm.)
69°01.0S 39°36.5E R Lutzow-Holm Bay	2860±125 BP(N-858)14C2 Sea water, -10 m. OMO72

GEOGRAPHIC AREA 22

68°34S 77°55E RM anchorage off Davis	1310±125 BP(SUA 1236)14C Modern marine algal sediment, surface 5 cm of sea floor, 17m water depth. PIC82 ADA83
68°35S 77°59E RM seashore nr Davis	950±110 BP(SUA 1235)14C SH Modern Laternula. PIC82 ADA83 (infer age revised from 1295±105 BP in ZHA83)
68°33S 78°00E RM "Airport beach," near Davis	1312±65 BP(ZDL84)14C SH Modern Laternula. ZHA83

GEOGRAPHIC AREA 26

64°11S 83°59E R S. Indian Ocean	Δ14C=-66.9°/oo(286;ML2375)14C Seawater, 9 m. depth, coll. on 2/13/78. STU83A
64°11S 83°59E R S. Indian Ocean	Δ14C=-67.9°/oo(287;ML2374)14C Seawater, 29 m. depth, coll. on 2/13/78. STU83A
64°11S 83°59E R S. Indian Ocean	Δ14C=-92.9°/oo(288;ML2373)14C Seawater, 46 m. depth, coll. on 2/13/78. STU83A
64°11S 83°59E R S. Indian Ocean	Δ14C=-147.8°/oo(290;ML2372)14C Seawater, 210 m. depth, coll. on 2/13/78. STU83A
64°11S 83°59E R S. Indian Ocean	Δ14C=-155.1°/oo(292;ML2370)14C Seawater, 674 m. depth, coll. on 2/13/78. STU83A
64°11S 83°59E R S. Indian Ocean	Δ14C=-159.1°/oo(293;ML2369)14C Seawater, 905 m. depth, coll. on 2/13/78. STU83A
64°11S 83°59E R S. Indian Ocean	Δ14C=-164.0°/oo(294;ML2368)14C Seawater, 1119 m. depth, coll. on 2/13/78. STU83A
64°11S 83°59E R S. Indian Ocean	Δ14C=-159.5°/oo(295;ML2367)14C Seawater, 1392 m. depth, coll. on 2/13/78. STU83A
64°11S 83°59E R S. Indian Ocean	Δ14C=-161.4°/oo(395;ML2366)14C Seawater, 1665 m. depth, coll. on 2/13/78. STU83A
64°11S 83°59E R S. Indian Ocean	Δ14C=-161.2°/oo(394;ML2365)14C Seawater, 1939 m. depth, coll. on 2/13/78. STU83A

(LIST 2 CONTINUED)

64°11S 83°59E R S. Indian Ocean	Δ14C=-161.6°/oo(393;ML2364)14C Seawater, 2214 m. depth, coll. on 2/13/78. STU83A
64°11S 83°59E R S. Indian Ocean	Δ14C=-163.1°/oo(392;ML2363)14C Seawater, 2490 m. depth, coll. on 2/13/78. STU83A
64°11S 83°59E R S. Indian Ocean	Δ14C=-161.7°/oo(391;ML2362)14C Seawater, 2763 m. depth, coll. on 2/13/78. STU83A
64°11S 83°59E R S. Indian Ocean	Δ14C=-155.5°/oo(390;ML2361)14C Seawater, 2975 m. depth, coll. on 2/13/78. STU83A
64°11S 83°59E R S. Indian Ocean	Δ14C=-151.9°/oo(388;ML2360)14C Seawater, 3186 m. depth, coll. on 2/13/78. STU83A
64°11S 83°59E R S. Indian Ocean	Δ14C=-148.8°/oo(387;ML2359)14C Seawater, 3396 m. depth, coll. on 2/13/78. STU83A
64°11S 83°59E R S. Indian Ocean	Δ14C=-151.4°/oo(386;ML2358)14C Seawater, 3580 m. depth, coll. on 2/13/78. STU83A
62°-70°S, 160°-170°E R "South Polar Seas"	Δ14C=-95±8°/oo(#?)14C IC Surface seawater, collected Feb.-Mar. 1971. WIL75 (mean value)
66°14S 166°14E R South Pacific	δ14C=-44±20°/oo(W-2839)14C MU Snipe eel (Serrivomer sp.), -450 m., collected 2/6/72. WIL75
70°00S 168°34E R "South Polar Seas"	Δ14C=-112±8°/oo(#?)14C IC Surface seawater, collected Feb.-Mar. 1971. WIL75

GEOGRAPHIC AREA 27

82°22.5S 168°37.5E R J-9, Ross Ice Shelf	Δ14C=-73±7°/oo(LJ-4256)14Cl IC Seawater from 20 m below bottom of ice at hole J-9. LIN80
78°13S 163°54E R at Heald Island	Δ14C=-111±7°/oo(LJ-3955;PP4)14Cl IC Seawater from below ice head, -10 m. (ice thickness c. 10 m). LIN79
78°01S 167°21E R at White Island	Δ14C=-108±7°/oo(LJ-3957;PP6)14Cl IC Seawater from below ice, -3 m. LIN79
77°57S 164°38E R at Cape Chocolate	Δ14C=-116±7°/oo(LJ-3956;PP5)14Cl IC Seawater from below ice, -9 m. LIN79
77°52S 166°20E R nr McMurdo Sound	Δ14C=-70±8°/oo(LJ-3952;PP1)14Cl IC Seawater from ice hole, -5 m. LIN79
77°51S 166°37E R nr NAF, McMurdo Sound	1385±200 BP(TAM-14;McMRS-1)14Cl FL Freshly-killed Weddell Seal taken from the ice. NOA64
77°45S 166°30E AR McMurdo Sound	1060±40 BP(LJ-3074)14Cl MU Fish (Dissotichus mawsoni), c. -500 m. (nr bottom), coll. Nov. 73. WIL75 LIN77
77°30S 165°00E G McMurdo Sound	c.1200 BP(#?)14C FL Modern penguin and fish. BAR67 (d14C=-140°/oo; T.A. Rafter, pers. comm.; infer= 1200 BP fish sample mentioned in CLA65 and DOR81)
77°30S 165°00E G McMurdo Sound	d14C=-148°/oo(R.536/1)14C Surface sea water. BAR67
77°30S 165°00E G McMurdo Sound	1610±90 BP(#?)14C Living fishes caught at a fish-hole near McMurdo Station. YAM67 DOR81
77°11S 172°06E R Ross Sea	920±40 BP(LJ-3073)14Cl WB Fish (Pleurogrammma antarcticum), 0 to -200 m., 2/24/72. WIL75 LIN77

(LIST 2 CONTINUED)

77°05S 172°44E R Ross Sea	δ14C=-107±20°/oo(W-2836)14C Krill (Euphausia crystallorophias) 0 to -200 m., 2/24/72. WIL75
77°S 165°E AR McMurdo Sound	1300 BP(L-570)14Cl FL Right rear flipper of freshly killed seal. BRO61 (infer= unspecified sample in DOR71)

GEOGRAPHIC AREA 34

62°39S 61°00W R Livingston Island	840±75 BP(13732;DIC-372)14C3 BN Whale, dead 2-10 years, on storm beach. CUR80
62°38S 60°53W G (by Rotch Ice Dome) Livingston Island	420±100 BP(#?)14C FL "Modern" baby elephant seal. SCH72A SUG73
62°38S 60°53W G (by Rotch Ice Dome) Livingston Island	LT 250 BP(#?)14C BN "Modern" baby elephant seal. SCH72A
62°42S 60°24W R Livingston Island	970±50 BP(1373FB;DIC-370)14C3 SE Elephant seal skull intact with flesh on modern storm beach. CUR80
62°13S 58°48W R nr South Spit, Marion Cove	2512±50 BP(Birm-15)14C2 Supposed modern seaweed from high water mark. SHO68. SUG73 (possibility of contamination with ancient seaweed)
62°14S 58°41W R S shore, Potter Cove	850±145 BP(Birm-47a)14C2 Inner fraction, supposed modern bivalve shells (mostly Laternula sp.), just above high water mark. SHO68 SUG73 (described as mostly Mya in SHO68)
62°14S 58°41W R S shore, Potter Cove	586±113 BP(Birm-47b)14C2 Outer fraction, modern bivalve shells (mostly Mya) just above high water mark. SHO68 (described as mostly Laternula sp. in SUG73)
62°15S 58°41W R Three Brothers Hill Peninsula	674±66 BP(Birm-49b)14C2 CO fraction of vertebrae of decomposing whale on beach just above high water mark. SHO69 SUG73
62°15S 58°41W R Three Brothers Hill Peninsula	2810±550 BP(Birm-49a)14C2 Mineral fraction of vertebrae of decomposing whale on beach just above high water mark. SHO69
62°05S 58°23W R Admiralty Bay	1000±45 BP(AB-1;DIC-367)14C3 Whale ear bones from slaughtered whale on modern storm beach. CUR80 (time of death estimated to be 70 BP)

GEOGRAPHIC AREA 35

61°03S 62°58W R Drake Passage	Δ14C=-18.6°/oo(892;QL-477)14C Seawater, 95 m. depth, coll. on 1/3/73. STU80A
61°03S 62°58W R Drake Passage	Δ14C=-62.1°/oo(893;QL-478)14C Seawater, 142 m. depth, coll. on 1/3/73. STU80A
61°03S 62°58W R Drake Passage	Δ14C=-97.0°/oo(894;QL-479)14C Seawater, 189 m. depth, coll. on 1/3/73. STU80A
61°03S 62°58W R Drake Passage	Δ14C=-125.3°/oo(689;QL-480)14C Seawater, 246 m. depth, coll. on 1/3/73. STU80A
61°03S 62°58W R Drake Passage	Δ14C=-132.2°/oo(690;ML 937)14C Seawater, 345 m. depth, coll. on 1/3/73. STU80A
61°03S 62°58W R Drake Passage	Δ14C=-142.4°/oo(691;QL-481)14C Seawater, 445 m. depth, coll. on 1/3/73. STU80A

(LIST 2 CONTINUED)

61°03S 62°58W R Drake Passage	Δ14C=-145.8°/oo(692;QL-482)14C Seawater, 545 m. depth, coll. on 1/3/73. STU80A
61°03S 62°58W R Drake Passage	Δ14C=-147.0°/oo(693;QL-483)14C Seawater, 671 m. depth, coll. on 1/3/73. STU80A
61°03S 62°58W R Drake Passage	Δ14C=-155.4°/oo(694;QL-484)14C Seawater, 889 m. depth, coll. on 1/3/73. STU80A
61°03S 62°58W R Drake Passage	Δ14C=-161.9°/oo(389;QL-485)14C Seawater, 1192 m. depth, coll. on 1/3/73. STU80A
61°03S 62°58W R Drake Passage	Δ14C=-160.6°/oo(390;QL-486)14C Seawater, 1589 m. depth, coll. on 1/3/73. STU80A
61°03S 62°58W R Drake Passage	Δ14C=-163.2°/oo(391;QL-487)14c Seawater, 1985 m. depth, coll. on 1/3/73. STU80A
61°03S 62°58W R Drake Passage	Δ14C=-161.9°/oo(393;QL-489)14C Seawater, 2978 m. depth, coll. on 1/3/73. STU80A
61°03S 62°58W R Drake Passage	Δ14C=-163.3°/oo(394;ML 1066)14C Seawater, 3478 m. depth, coll. on 1/3/73. STU80A
59°25.6S 47°57.8W R Scotia Sea	Δ14C=-96±13°/oo(station 130)14C Krill, apparently were living in Weddell Sea water mass. MIC81

GEOGRAPHIC AREA 36

74°21.4S 31°17.3W R Weddell Sea	Δ14C=-92±6°/oo(station 80)14C Krill, apparently were living in Weddell Sea water mass. MIC81
72°00S 45°00W G Weddell Sea	Δ14C=-90°/oo(#?)14C IC Surface seawater, collected Jan.-Mar. 1972. WIL75 (mean value)

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