OCCURRENCES OF KIMBERLITE, LAMPROITE AND ULTRAMAFIC LAMPROPHYRE IN GREENLAND

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DETAILED LOCALITY DESCRIPTIONS

The descriptions are mentioned on p. 5 in the above report as available on request

KIMBERLITE, LAMPROITE AND ASSOCIATED ROCKS

MAP SHEET 60V1 JULIANEHÅB

Locality no: 60V1.1
Coordinates: 60.8635 -46.1537
Place name: Karra, Igdlutalik
Rock type: Ultramafic lamprophyre
Field description: Dyke with max width c. 12 m, trending ENE. Can be followed for c. 500 m. Cut by late Gardar dykes. Packed with inclusions up to 40 cm across.
Primary locality:
Samples: 65121, 50170, 181913 -918. More?
Rock analyses: 181916, 181917 (matrix), 65121, 50170, 181913, 181915 (xenoliths) (Upton, in press). 101258: Upton & Emeleus (1987).
Mineral analyses: Tremolite, chlorite, magnetite, hematite, Cr-spinel, phlogopite, olivine. Upton (in press).
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Scott-Smith (1987), Upton & Emeleus (1987), Upton (in press).

Locality no: 60V1.2-60V1.6
Coordinates: 1 60.86382 -46.15289
2 60.92615 -46.07998
3 60.92317 -46.07484
4 60.92128 -46.07265
5 60.91650 -46.06588
6 60.91023 -46.04180
Place name: Narssaq
Rock type: Pyroxenite
Field description: Six small hypabyssal intrusions, 50-200 m across, cutting the Narssaq gabbro.
Primary locality:
Samples: Numerous, GGU and others.
Rock analyses: Ussing (1912, no 19); 10 analyses in Upton & Thomas (1973); 49 analyses in Craven (1985).
Mineral analyses: Olivine, pyroxene, phlogopite: Upton & Thomas (1973), Craven (1985); magnetite, ilmenite, pseudobrookite, garnet, perovskite, plagioclase, vesuvianite, amphibole, chlorite, monticellite, epidote, wollastonite, cuspidine: Craven (1985).
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments: The two smallest intrusions are no longer exposed.
References: Ussing (1912), Upton & Thomas (1973), Craven (1985).

Locality no:		60V1.7-60V1.8
Coordinates:	7	60.89615 -46.25105
	8	60.90782 -46.19011
Place name:		Tugtutôq, eastern part
Rock type:		Pyroxenite
Field description:		Two small hypabyssal intrusions, as in loc. 60V1.2-.6, cutting the Gardar giant dykes.
Primary locality:		
Samples:		Several GGU-samples.
Rock analyses:		3 analyses in Upton & Thomas (1973 nos. 30646, 30770 and 40550), 9 analyses in Craven (1985).
Mineral analyses:		Olivine, pyroxene, phlogopite: Upton & Thomas (1973), Craven (1985); magnetite, ilmenite, amphibole: Craven (1985).
Modal analyses:		
Rb-Sr data:		
K-Ar data:		
Comments:		
References:		Upton & Thomas (1973); Craven (1985).

Locality no:		60V1.9-60V1.12
Coordinates:	9	60.91457 -46.20370
	10	60.90751 -46.17130
	11	60.90508 -46.17022
	12	60.88601 -46.08321
Place name:		Tugtutôq-Igdlutalik, NE coast
Rock type:		Ultramafic lamprophyre
Field description:		Dykes, 0.5-1.5 m thick, trending NE and ENE. Flow banded, vesiculated.
Primary locality:		
Samples:		Sampled by A.R. Martin
Rock analyses:		Six analyses given in Martin (1985).
Mineral analyses:		
Modal analyses:		
Rb-Sr data:		
K-Ar data:		
Comments:		
References:		Martin (1985).

KIMBERLITE, LAMPROITE AND ASSOCIATED ROCKS

MAP SHEET 60V2 NANORTALIK

Locality no:		60V2.1-60V2.4
Coordinates:	1	60.97183 -45.11909
	2	60.96815 -45.11978
	3	60.96379 -45.10033
	4	60.96002 -45.10306
Place name:		Jespersen Dal (Østfjordsdal)
Rock type:		Ultramafic lamprophyre
Field description:		Dykes cutting granite. None cut the Igaliko syenites.
Primary locality:		
Samples:		As below
Rock analyses:		326271, 326301, 326303, 326304: Pearce (1988).
Mineral analyses:		Pyroxene, amphibole, phlogopite, magnetite, ilmenite: Pearce (1988).
Modal analyses:		
Rb-Sr data:		
K-Ar data:		
Comments:		
References:		Pearce (1988).

KIMBERLITE, LAMPROITE AND ASSOCIATED ROCKS

MAP SHEET 61V1 IVIGTUT

Locality no:		61V1.1-61V1.9
Coordinates:	1	61.36614 -48.19861
	2	61.37225 -48.19836
	3	61.37838 -48.19886
	4	61.38233 -48.19712
	5	61.38691 -48.19520
	6	61.38756 -48.20756
	7	61.38220 -48.21811
	8	61.37544 -48.21201
	9	61.37259 -48.22009
Place name:		Kedelsø (=Grydesø)
Rock type:		Kimberlite
Field description:		A complex of sills extending over c. 6 km2 around the lake Kedelsø. At least 5 levels of intrusion occur, giving rise to prominent stepped cliffs. Max thickness of sheets around 1 m, usually 0.3-0.5 m. Slight northerly dips.
Primary locality:		
Samples:		GGU 39602, 39604, 39623, 39642, 39644-39646, 39648-39649. Detailed sample localisations on maps no 61V1,71 and 99 in GGU's map archive.
Rock analyses:		Analyses given in the references cited cannot be referred to specific localities. See description of locs 10-21.
Mineral analyses:		As above.
Modal analyses:		
Rb-Sr data:		As above.
K-Ar data:		
Comments:		Two bulk rock samples (out of four examined) contained microscopic diamonds (Geisler, 1972a). Detailed maps are given by Emeleus (1958, unpublished map in GGU's map archive, no 61V1,99), Andrews & Emeleus (1971, 1975), Geisler (1972a).
References:		Emeleus (1958), Andrews & Emeleus (1971, 1975), Geisler (1972a, 1973a, 1974a), Emeleus & Andrews (1975).

Locality no:		61V1.10-61V1.21
Coordinates:	10	61.40201 -48.27305
	11	61.41293 -48.25063
	12	61.42056 -48.24362
	13	61.42442 -48.24527
	14	61.42714 -48.25369
	15	61.43199 -48.24801
	16	61.44597 -48.23079
	17	61.45057 -48.23657
	18	61.45016 -48.25010
	19	61.43526 -48.26394
	20	61.42508 -48.29988
	21	61.42078 -48.30967
Place name:		Pyramidefjeld
Rock type:		Kimberlite
Field description:		A complex of sills extending over c. 18 km2 around the

	mountain Pyramidefjeld and surroundings. Several levels of intrusion give rise to prominent stepped cliffs. Max thickness of sheets around 1 m, usually 0.1-0.5 m.
Primary locality:	
Samples:	GGU 27703, 31920, 31959-31961, 39651, 39654, 39660, 39670, 39679-39680, 39688, 126731-126751. Detailed sample localisations on maps no 61V1,70, 71 and 99 in GGU's map archive.
Rock analyses:	Average of six analyses given in Emeleus & Andrews (1975).
Mineral analyses:	Olivine, orthopyroxene, clinopyroxene, phlogopite, garnet, perovskite, serpentine, spinel. Emeleus & Andrews (1975).
Modal analyses:	31959, 39660. Emeleus & Andrews (1975).
Rb-Sr data:	Whole rock + separated mica from an unspecified sample yield an age of 220 +- 17 Ma (using l = 1.42 x 10-11) together with data from the Nigerdlikasik dyke (Andrews & Emeleus, 1971).
K-Ar data:	40Ar/39Ar analysis of bulk rock 39654 gave an age of 193 +- 6 Ma (Bridgwater, 1970, age recalculated).
Comments:	One bulk rock sample was analysed for diamonds. None were found (Geisler, 1972a). Detailed maps are given by Emeleus (1958, unpublished map in GGU's map archive, no 61V1, 99), Andrews & Ameleus (1971, 1975), Geisler (1972a).
References:	Emeleus (1958), Bridgwater (1970), Andrews & Emeleus (1971, 1975), Geisler (1972a), Emeleus & Andrews (1975).

Locality no:		61V1.22-61V1.26
Coordinates:	22	61.54172 -48.17663
	23	61.53792 -48.16480
	24	61.54207 -48.13142
	25	61.54857 -48.13984
	26	61.55263 -48.14771
Place name:		Midternæs
Rock type:		Kimberlite
Field description:		A complex of sills extending over c. 5 km2 north of Sioralik glacier. Dips around 10oW. Found from near sea level to almost 600 m.a.s.l.
Primary locality:		
Samples:		GGU 71246 + others not specified well.
Rock analyses:		
Mineral analyses:		
Modal analyses:		JA 71-72, JA 71-20a (Emeleus & Andrews, 1975).
Rb-Sr data:		
K-Ar data:		
Comments:		Two bulk rock samples (out of four examined) contained microscopic diamonds (Geisler, 1972a). Detailed maps are given by Geisler (1972a) and Andrews & Emeleus (1975).
References:		Andrews & Emeleus (1971, 1975), Geisler (1972a, 1973a, 1974a), Emeleus & Andrews (1975).

Locality no: 61V1.27
Coordinates: 60.9866 -49.6857
Place name: Small island just south of Frederikshåb
Rock type: Lamprophyre
Field description: Dyke 30 cm thick trending 140o. Multiple injections, with carbonate and biotite in up to 3 cm large crystals.
Primary locality:
Samples: 66029 - 66037
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Sørensen, P.B. (1966)

Locality no: 61V1.28
Coordinates: 60.9509 -49.5571
Place name: Kvaneø
Rock type: Lamprophyre
Field description: Two lamprophyre dykes trending NW. Mutual distance 400 m
Primary locality:
Samples: 60166, 66751-66752, 74037-74040
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments: Localities taken from map in GGU's map archive no 61V1,209. Sampling done by P. Brøgger Sørensen
References: GGU, unpublished

Locality no:		61V1.29-61V1.62		Samples located in map archive
Coordinates:	29	61.93059	-49.64781	73632, 73633, 73634
	30	61.93146	-49.60477	73642
	31	61.91416	-49.64803	
	32	61.91667	-49.62385	73637, 73638
	33	61.90402	-49.65205	
	34	61.90428	-49.62788	
	35	61.91391	-49.55304	73621, 73639, 73640, 73641
	36	61.89757	-49.66614	
	37	61.89353	-49.65759	
	38	61.88787	-49.65740	
	39	61.88804	-49.64371	
	40	61.88678	-49.63230	
	41	61.87969	-49.63498	
	42	61.89304	-49.60755	73702, 73703
	43	61.89007	-49.59729	
	44	61.89115	-49.58892	
	45	61.89994	-49.59116	
	46	61.89957	-49.57214	
	47	61.89723	-49.56397	73680, 73681
	48	61.88548	-49.57030	
	49	61.88224	-49.56955	73679
	50	61.87910	-49.56444	

	51	61.86616	-49.55575	
	52	61.86337	-49.54816	
	53	61.85898	-49.55255	
	54	61.85224	-49.54689	
	55	61.85249	-49.53719	
	56	61.86281	-49.46663	
	57	61.85957	-49.46153	
	58	61.84009	-49.46548	73700, 73701
	59	61.83572	-49.43020	
	60	61.83131	-49.42264	
	61	61.82213	-49.41532	
	62	61.81714	-49.43093	

Place name: Islands south of Frederikshåb
Rock type: Ultramafic lamprophyre
Field description: A swarm of NW-SE trending dykes with thicknesses from a few millimetres to 1.5 m. Some of these are loaded with plutonic nodules, mostly of crustal origin. One dyke cuts an allegedly mesozoic dolerite dyke. Single dykes can usually not be followed for long distances.
Primary locality:
Samples: 60117-121, 124-125, 163-164, 200-202, 217, 236-242, 245-247. 64240-241. 73632-634, 637, 641-642, 679-681, 700-703. 88480-481.
Rock analyses: 60240, 242. 73632, 642, 681, 701, 703.
Mineral analyses: Amphibole, pyroxene, carbonate, mica, olivine, garnet. Mostly from xenocrysts and in nodules.
Modal analyses: Walton & Arnold (1970)
Rb-Sr data:
K-Ar data: Separated mica from sample 64241 gave an age of 162 +-5 Ma (recalc. to 166 +-5 Ma by Larsen et al. 1983). Larsen & Møller (1968).
Comments: Detailed localisations of dykes and samples are found in GGU's map archive, maps no 61V1, 209, 211, 225, 229.
References: Walton (1964, 1966a,b), Larsen & Jørgensen (1964), Larsen & Møller (1968), Arnold (1968), Walton & Arnold (1970).

Locality no: 61V1.63-61V1.66

Coordinates:	63	61.19313	-48.37544
	64	61.18215	-48.47606
	65	61.16966	-48.48465
	66	61.17100	-48.47460

Place name: Arsuk region
Rock type: Ultramafic lamprophyre
Field description: Dykes
Primary locality:
Samples: Several GGU-samples
Rock analyses: GGU 81116, 81119
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Upton & Emeleus (1987)

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MAP SHEET 61V3 NARSSARSSUAQ

Locality no: 61V3.1
Coordinates: 61.14 -45.53
Place name: Qagssiarssuk
Rock type: Alkaline-ultramafic/carbonatitic rocks
Field description: Lavas, tuffs, pipe breccias and intrusive sheets cover appr. 2 km2. The rocks are strongly altered. They belong to the Mussartût Member of the Eriksfjord Formation.
Primary locality:
Samples: Numerous geologists, GGU and others, have visited the area and taken samples.
Rock analyses: Several. See Stewart (1970), Knudsen (1986) and Upton & Emeleus (1987).
Mineral analyses: Apatite, Knudsen (1986).
Modal analyses: Stewart (1970).
Rb-Sr data:
K-Ar data:
Comments:
References: Stewart (1970), Knudsen (1986), Upton & Emeleus (1987).

Locality no: 61V3.2-61V3.17
Coordinates:

2	61.15740	-45.57499
3	61.16672	-45.58735
4	61.17155	-45.55202
5	61.18559	-45.53927
6	61.18710	-45.55195
7	61.19523	-45.53227
8	61.20093	-45.56063
9	61.19142	-45.63656
10	61.19711	-45.63065
11	61.19899	-45.62583
12	61.20123	-45.63516
13	61.20516	-45.60166
14	61.20885	-45.60169
15	61.21929	-45.60235
16	61.22937	-45.63340
17	61.20897	-45.66693

Place name: Area north of Qagssiarssuk
Rock type: Alkaline-ultramafic/carbonatitic rocks
Field description: The basement is penetrated by numerous small intrusions forming thin sheets and steep plugs.
Primary locality:
Samples: Several GGU samples
Rock analyses: 61606. Stewart (1970)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments: A detailed map is given by Stewart (1970, fig. 10). The localities in this compilation are taken from GGU's map sheet 1:100.000 61V3 Syd, Narssarssuaq.
References: Stewart (1970)

Locality no:		61V3.18-61V3.28	
Coordinates:	18	61.18616	-45.45100
	19	61.18966	-45.45642
	20	61.18932	-45.43686
	21	61.19202	-45.43333
	22	61.19652	-45.43353
	23	61.21275	-45.47628
	24	61.21412	-45.45485
	25	61.21341	-45.44684
	26	61.21714	-45.39427
	27	61.25725	-45.36787
	28	61.26088	-45.44050
Place name:		Area north of Narssarssuaq	
Rock type:		Alkaline-ultramafic/carbonatitic rocks	
Field description:		The basement is penetrated by numerous intrusive sills, dykes and plugs.	
Primary locality:			
Samples:		Several GGU samples	
Rock analyses:		61682, 61685: Stewart (1970). 325972: Pearce (1988).	
Mineral analyses:		Pyroxene, amphibole, phlogopite, magnetite. Pearce (1988).	
Modal analyses:			
Rb-Sr data:			
K-Ar data:			
Comments:		More detailed localisations are given by Walton (1965) and Emeleus & Harry (1970). Those in the present compilation are mainly taken from GGU's map sheet 1:100.000 61V3 Syd, Narssarssuaq.	
References:		Walton (1965), Stewart (1970), Emeleus & Harry (1970), Pearce (1988).	

Locality no:		61V3.29-61V3.31	
Coordinates:	29	61.14664	-45.22929
	30	61.14816	-45.20883
	31	61.14394	-45.21107
Place name:		Lower Flink Dal	
Rock type:		Ultramafic lamprophyre	
Field description:		Dykes and a sill cutting the basement granite near the outer contact of the Motzfeldt centre, and also cutting rafts of Eriksfjord Formation rocks within the centre. None cut the syenites of the centre.	
Primary locality:			
Samples:		Several GGU samples	
Rock analyses:		46256, 46279, 326222, 326249, 326258-260, 326264, 326266: Pearce (1988). 257150: GGU (unpublished).	
Mineral analyses:		Pyroxene, amphibole, phlogopite, magnetite, nepheline, sodalite: Pearce (1988).	
Modal analyses:			
Rb-Sr data:			
K-Ar data:			
Comments:			
References:		Pearce (1988), GGU (unpublished).	

Locality no: 61V3.32-61V3.35
Coordinates: 32 61.10555 -45.02561
33 61.10209 -45.04961
34 61.09902 -45.04313
35 61.09603 -45.03294
Place name: South of Motzfeldt Sø
Rock type: Ultramafic lamprophyre
Field description: Dykes cutting the basement granite near the outer contact of the Motzfeldt centre. Some are cut by the centre.
Primary locality:
Samples: Several GGU samples
Rock analyses: 325948, 325952, 325955, 325956, 325958, 325959, 325961-963: Pearce (1988).
Mineral analyses: Pyroxene, olivine, phlogopite, magnetite: Pearce (1988).
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Pearce (1988).

Locality no: 61V3.36-61V3.38
Coordinates: 36 61.12508 -44.89718
37 61.15239 -44.83541
38 61.14928 -44.82244
Place name: Plateau between Sermia qiterdleq and Sermia kujatdleq
Rock type: Ultramafite
Field description: Remnants of Eriksfjord Formation at the margin of the Motzfeldt centre: Two dykes cutting sandstone and granite, and two lavas.
Primary locality:
Samples: 257238, 257248 (dykes); 257237, 257249 (lavas).
Rock analyses: The four above-mentioned. GGU (unpublished).
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1984), Larsen & Tukiainen (1985), GGU (unpublished).

Locality no: 61V3.39-61V3.40
Coordinates: 39 61.03067 -45.39584
40 61.00884 -45.36690
Place name: Between Igaliko and Narssarssûk
Rock type: Ultramafic lamprophyre
Field description: Dykes
Primary locality:
Samples: The below-mentioned. More?
Rock analyses: 41906, 326345, 326358, 326359: Pearce (1988).
Mineral analyses: Pyroxene, phlogopite, magnetite: Pearce (1988).
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Emeleus & Harry (1970), Pearce (1988).

Locality no: 61V3.41
Coordinates: 61.25629 -45.18563
Place name: Mellemlandet
Rock type: Ultramafic lamprophyre
Field description: Dyke
Primary locality:
Samples: 212156
Rock analyses: 212156. Upton & Fitton (1985)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Upton & Fitton (1985)

Locality no: 61V3.42
Coordinates: 61.35522 -44.81823
Place name: G.F. Holm nunataq
Rock type: Ultramafic lamprophyre
Field description: Dyke
Primary locality:
Samples: 212166, 212167.
Rock analyses: 212166, 212167. Upton & Fitton (1985)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Upton & Fitton (1985)

Locality no: 61V3.43
Coordinates: 61.36016 -44.77068
Place name: G.F. Holm nunataq
Rock type: Ultramafic lamprophyre
Field description: Dyke
Primary locality:
Samples: 212168.
Rock analyses: 212168. Upton & Fitton (1985)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Upton & Fitton (1985)

Locality no: 61V3.44
Coordinates: 61.37275 -44.78853
Place name: G.F. Holm nunataq
Rock type: Ultramafic lamprophyre
Field description: Dyke
Primary locality:
Samples: 212195 (loose block)
Rock analyses: 212195. Upton & Fitton (1985)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Upton & Fitton (1985)

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MAP SHEET 62V1 FREDERIKSHÅB ISBLINK

Locality no: 62V1.1
Coordinates: 62.0424 -48.865
Place name: Nigerdlikasik
Rock type: Kimberlite
Field description: One dyke 0.5 m thick, trending 140o, can be followed over 500 m.
Primary locality:
Samples: 59197-59200, 59901-59905, 72501, 72502.
Rock analyses: Average of two given in Emeleus & Andrews (1975).
Mineral analyses: Olivine, orthopyroxene, clinopyroxene, phlogopite, spinel: Emeleus & Andrews (1975).
Modal analyses: 59199, 59904: Emeleus & Andrews (1975).
Rb-Sr data: Whole rock + separated mica from an unspecified sample, together with data from a kimberlite at Pyramidefjeld, yield an age of 220 +-17 Ma (using l = 1.42 x 10-11). (Andrews & Emeleus (1971).
K-Ar data: One whole rock gave a K-Ar age of 609 +-36 Ma, which is considered to be erroneous (Andrews & Emeleus, 1971).
Comments: Two bulk rock samples were examined for diamonds. None were found (Geisler, 1972a). Detailed maps in Andrews (1967) and Andrews & Emeleus (1971).
References: Andrews (1967); Andrews & Emeleus (1971, 1975); Geisler (1972a); Emeleus & Andrews (1975).

Locality no: 62V1.2
Coordinates: 62.8763 -50.5387
Place name: Small island 15 km NW of mouth of Bjørnesund
Rock type: Monchiquite
Field description: Dyke 2.5 m thick, N-S trending.
Primary locality:
Samples: 183560 - 183561
Rock analyses: 183560, 183561: Hansen (1979).
Mineral analyses: Pyroxene, mica, amphibole, ilmenite, magnetite, K-feldspar: Hansen (1979).
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Hansen (1979)

Locality no: 62V1.3
Coordinates: 62.7337 -50.3783
Place name: Ravn Storø
Rock type: Monchiquite
Field description: Dyke 0.5-0.7 m thick, N-S trending.
Primary locality:
Samples: 129550
Rock analyses:
Mineral analyses: Pyroxene, mica: Hansen (1979)

Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Hansen (1979)

Locality no: 62V1.4
Coordinates: 62.7240 -50.3828
Place name: Ravn Storø
Rock type: Olivine monchiquite
Field description: Dyke 0.5 m thick, N-S trending
Primary locality:
Samples: 120560
Rock analyses: 120560: Hansen (1979).
Mineral analyses: Quartz, K-feldspar, mesolite from ocelli (Hansen, 1979).
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Hansen (1979)

Locality no: 62V1.5
Coordinates: 62.7007 -50.3549
Place name: Ravn Storø
Rock type: Olivine monchiquite
Field description: Dyke trending NNW, vertical.
Primary locality:
Samples: 183568 - 183569
Rock analyses: 183568, 183569: Hansen (1979).
Mineral analyses: Olivine: Hansen (1979).
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Hansen (1979)

Locality no: 62V1.6
Coordinates: 62.6765 -50.4014
Place name: Ravn Storø
Rock type: Olivine monchiquite
Field description: Dyke
Primary locality:
Samples:
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments: Probably the same dyke as at loc. 62V1.7
References: Hansen (1979)

Locality no: 62V1.7
Coordinates: 62.6735 -50.4023
Place name: Small island south of Ravn Storø
Rock type: Olivine monchiquite
Field description: Dyke 1 m thick, N-S- trending.
Primary locality:
Samples: 129554
Rock analyses: 129554: Hansen (1979).
Mineral analyses: Pyroxene: Hansen (1979).
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Hansen (1979)

Locality no: 62V1.8
Coordinates: 62.6665 -50.3535
Place name: Qeqertasugssuk island south of Ravn Storø.
Rock type: Olivine monchiquite
Field description: Thin dyke c. 15 cm thick, NNW-trending.
Primary locality:
Samples: 183567
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Hansen (1979)

Locality no: 62V1.9
Coordinates: 62.6450 -50.3409
Place name: Small island south of previous locality.
Rock type: Olivine monchiquite
Field description: Thin dyke 10-20 cm thick, NNW-trending.
Primary locality:
Samples: 120366 - 120367
Rock analyses: 120366, 120367: Hansen (1979, 1980, 1981, 1984).
Mineral analyses: Pyroxene, mica, magnetite, quartz: Hansen (1979).
Modal analyses:
Rb-Sr data: Hansen (1981)
K-Ar data: Separated phlogopite from 120366 gave an age of 138 +-5 Ma (recalc. to 141 +-5). Hansen & Larsen (1974).
Comments:
References: Hansen & Larsen (1974), Hansen (1979, 1980, 1981, 1984).

Locality no: 62V1.10
Coordinates: 62.6566 -50.3035
Place name: Qagssikasâup nunâ at west side of Ikatoq fjord.
Rock type: Monchiquite
Field description: Small sheet oriented 160/42W.
Primary locality:
Samples: 120337

Rock analyses: Hansen (1979)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Hansen (1979)

Locality no: 62V1.11
Coordinates: 62.6577 -50.2781
Place name: Sarqarigsup nunâ at west side of Ikatoq fjord.
Rock type: Olivine monchiquite
Field description: Dyke up to 1 m thick orientated 10/90.
Primary locality:
Samples: 183563 - 183564
Rock analyses: 183563, 183564: Hansen (1979).
Mineral analyses: Olivine, pyroxene, mica: Hansen (1979).
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Hansen (1979)

Locality no: 62V1.12
Coordinates: 62.7406 -50.1800
Place name: Mainland west of Qeqertarssuaq.
Rock type: Monchiquite
Field description: Dyke 1-1.5 m thick, N-S trending.
Primary locality:
Samples: 129948
Rock analyses: 129948: Hansen (1979, 1984).
Mineral analyses: Pyroxene, garnet, magnetite, titanite, perovskite: Hansen (1979).
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Hansen (1979, 1984)

Locality no: 62V1.13
Coordinates: 62.7267 -50.1094
Place name: Qeqertarssuaq at bottom of Ikatoq fjord.
Rock type: Alnöite
Field description: Dyke 0.4 m thick, N-S trending, dipping 74oW. Can be followed for c. 1 km and probably also appears south of Ikatoq.
Primary locality:
Samples: 118016
Rock analyses: 118016: Hansen (1979).
Mineral analyses: Pyroxene, perovskite: Hansen (1979).
Modal analyses:
Rb-Sr data:
K-Ar data:

Comments:
References: Hansen (1979)

Locality no: 62V1.14
Coordinates: 62.7048 -50.1211
Place name: Coast of Ikatoq fjord.
Rock type: Aillikite
Field description: Dyke 8 m thick, N-S trending, brecciated. Can be followed northward across a peninsula and appears to continue on Qeqertarssuaq north of Ikatoq.
Primary locality:
Samples: 109853
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Hansen (1979)

Locality no: 62V1.15
Coordinates: 62.7043 -50.1016
Place name: Itivdleq east of Ikatoq fjord.
Rock type: Monchiquite
Field description: Dyke 1 m thick, N-S trending, can be followed over 100 m or more.
Primary locality:
Samples: 109806, 109813
Rock analyses: 109806: Hansen (1979, 1980, 1981, 1984).
Mineral analyses:
Modal analyses:
Rb-Sr data: Hansen (1981)
K-Ar data:
Comments:
References: Hansen (1979, 1980, 1981, 1984)

Locality no: 62V1.16
Coordinates: 62.7872 -49.9559
Place name: Mainland NE of Qeqertarssuaq, Ikatoq.
Rock type: Monchiquite
Field description: Dyke, N-S trending.
Primary locality:
Samples: 118200
Rock analyses: 118200: Hansen (1979, 1981, 1984).
Mineral analyses: Pyroxene, amphibole, K-feldspar, apatite: Hansen (1979).
Modal analyses:
Rb-Sr data: Hansen (1981)
K-Ar data:
Comments:
References: Hansen (1979, 1981, 1984)

Locality no: 62V1.17
Coordinates: 62.7240 -49.9668
Place name: East of Majorarissap ilua.
Rock type: Olivine monchiquite
Field description: Dyke 1 m thick, N-S trending.
Primary locality:
Samples: 109507
Rock analyses: 109507: Hansen (1979, 1981, 1984).
Mineral analyses: Pyroxene, mica, magnetite, rutile: Hansen (1979).
Modal analyses:
Rb-Sr data: Hansen (1979)
K-Ar data: Separated phlogopite gave an age of 116 +-4 Ma (recalc. to 119 +-4). Hansen & Larsen (1974).
Comments:
References: Hansen & Larsen (1974), Hansen (1979, 1981, 1984).

Locality no: 62V1.18
Coordinates: 62.7216 -49.9254
Place name: East of Majorarissap ilua.
Rock type: Aillikite
Field description: Dyke 2 m thick, NNE-trending, showing multiple injection features.
Primary locality:
Samples: 118101 - 118103
Rock analyses: 118101, 118102, 118103: Hansen (1979, 1980, 1981, 1984).
Mineral analyses: Pyroxene, mica, amphibole, melilite, magnetite, apatite: Hansen (1979).
Modal analyses:
Rb-Sr data: Hansen (1981)
K-Ar data:
Comments:
References: Andersen (1971), Hansen (1979, 1980, 1981, 1984).

Locality no: 62V1.19
Coordinates: 62.6996 -49.8785
Place name: Just north-west of Frederikshåb Isblink.
Rock type: Monchiquite
Field description: Dyke, N-S trending.
Primary locality:
Samples: 110665
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Hansen (1979)

Locality no: 62V1.20
Coordinates: 62.6887 -49.8848
Place name: Just north-west of Frederikshåb Isblink.
Rock type: Aillikite
Field description: Dyke in fault zone, N-S trending.

Primary locality:
Samples: 110664
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Hansen (1979)

Locality no: 62V1.21
Coordinates: 62.6658 -49.8322
Place name: Just north-west of Frederikshåb Isblink.
Rock type: Olivine monchiquite to monchiquite
Field description: Dyke 1 m thick. orientated 25/72 E.
Primary locality:
Samples: 110689
Rock analyses: 110689: Hansen (1979, 1981).
Mineral analyses: Pyroxene, mica, magnetite, perovskite, nepheline: Hansen (1979).
Modal analyses:
Rb-Sr data: Hansen (1981)
K-Ar data:
Comments:
References: Andersen (1970), Hansen (1979, 1981).

Locality no: 62V1.22
Coordinates: 62.6534 -49.8283
Place name: Just north-west of Frederikshåb Isblink.
Rock type: Alnöite
Field description: Sheet 0.5 m thick, orientated 0/52W. Several pulses.
Primary locality:
Samples: 131205
Rock analyses: 131205: Hansen (1979).
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Hansen (1979).

Locality no: 62V1.23
Coordinates: 62.6765 -49.9383
Place name: Just north-west of Frederikshåb Isblink.
Rock type: Monchiquite
Field description: Sheet 10 cm thick, NE trending, dipping 15oS. Follows a thrust zone over c. 2 km.
Primary locality:
Samples: 109837
Rock analyses: 109837: Hansen (1979).
Mineral analyses:
Modal analyses:
Rb-Sr data:

K-Ar data:
Comments:
References: Hansen (1979)

Locality no: 62V1.24
Coordinates: 62.6583 -50.0053
Place name: Just north-west of Frederikshåb Isblink.
Rock type: Monchiquite
Field description: Thin sheet in fracture zone.
Primary locality:
Samples: 118293
Rock analyses: 118293: Hansen (1979, 1980).
Mineral analyses: Pyroxene: Hansen (1979).
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Hansen (1979, 1980).

Locality no: 62V1.25
Coordinates: 62.6550 -50.0107
Place name: Just north-west of Frederikshåb Isblink.
Rock type: Olivine monchiquite
Field description: Dyke 1 m thick, NNE-trending.
Primary locality:
Samples: 118295
Rock analyses: 118295: Hansen (1979, 1980, 1981, 1984).
Mineral analyses: Garnet: Hansen (1979).
Modal analyses:
Rb-Sr data: Hansen (1981)
K-Ar data: Separated phlogopite gave an age of 122 +-5 Ma (recalc. to 125 +-5). Hansen & Larsen (1974).
Comments: The dyke from this locality was sampled and investigated by Platinomino (no. D2) (Geisler, 1972b).
References: Geisler (1972b), Hansen & Larsen (1974), Hansen (1979, 1980, 1981, 1984).

Locality no: 62V1.26
Coordinates: 62.6452 -49.9752
Place name: Just north-west of Frederikshåb Isblink.
Rock type: Alnöite
Field description: Sheet 0.5 m thick, orientated 15/70 E.
Primary locality:
Samples: 109824
Rock analyses: 109824: Hansen (1979, 1980, 1981, 1984).
Mineral analyses: Mica, melilite, garnet, magnetite, perovskite, zeolite: Hansen (1981).
Modal analyses:
Rb-Sr data: Hansen (1981)
K-Ar data:
Comments: Separated sphene gave a fission track age of 144 +-12 Ma (Hansen, 1980).
References: Hansen (1979, 1980, 1981, 1984).

Locality no: 62V1.27
Coordinates: 62.6308 -49.9742
Place name: Just north-east of Frederikshåb Isblink.
Rock type: Alnöite
Field description: Sheet 0.5 m thick, NE-trending, dips 30oS.
Primary locality:
Samples: 118360
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Hansen (1979)

Locality no: 62V1.28
Coordinates: 62.5524 -50.1845
Place name: At the front of Frederikshåb Isblink.
Rock type: Olivine monchiquite
Field description: Dyke, N-S trending.
Primary locality:
Samples: 120533
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Hansen (1979)

Locality no: 62V1.29
Coordinates: 62.56757 - 49.7595
Place name: Kangârssûp nunâ
Rock type: Alnöite?
Field description: Two dykes 0.5 m and 0.4-0.7 m thick. Members of a 1 km broad NE-trending swarm of several dykes.
Primary locality:
Samples: 78239
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Dawes (1967, 1970)

Locality no: 62V1.30
Coordinates: 62.56560 -49.7284
Place name: Kangârssûp nunâ
Rock type: Olivine monchiquite

Field description: Two dykes at least 0.6 and 0.7 m thick, trending 60o and 110o.
Primary locality:
Samples: 78245, 78246
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Dawes (1967, 1970)

Locality no: 62V1.31
Coordinates: 62.55293 -49.7538
Place name: Kangârssûp nunâ
Rock type: Monchiquite
Field description: Dyke 0.5 - 1 m thick, orientated 75/75-90 NW. Up to 2 cm euhedral biotite crystals.
Primary locality:
Samples: 78222 - 78223
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Dawes (1967, 1970)

Locality no: 62V1.32
Coordinates: 62.54617 -49.7570
Place name: Kangârssûp nunâ
Rock type: Monchiquite
Field description: Dyke 0.5 - 1 m thick, orientated 75-94/35-65 S.
Primary locality:
Samples: 78224 - 78225
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Dawes (1967, 1970)

Locality no: 62V1.33
Coordinates: 62.53294 -49.7290
Place name: Kangârssûp nunâ
Rock type: Olivine monchiquite
Field description: Small dyke 1-10 cm thick, striking 63o.
Primary locality:
Samples: 78215
Rock analyses:
Mineral analyses:
Modal analyses:

Rb-Sr data:
K-Ar data:
Comments:
References: Dawes (1967, 1970)

Locality no: 62V1.34
Coordinates: 62.55546 -49.6972
Place name: Kangârssûp nunâ
Rock type:
Field description: Dyke 1 m thick, striking 20o.
Primary locality:
Samples: 86213
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Dawes (1968)

Locality no: 62V1.35
Coordinates: 62.55715 -49.6565
Place name: Kangârssûp nunâ
Rock type: Alnöite
Field description: Three lamprophyre dykes 0.7 - 1 m thick, orientated 70/50-75N.
Primary locality:
Samples: 78283
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Dawes (1967, 1970)

Locality no: 62V1.36
Coordinates: 62.55011 -49.6081
Place name: Kangârssûp nunâ
Rock type: Monchiquite
Field description: Two dykes 0.5 m and 1.5 m thick, trending 60-70o.
Primary locality:
Samples: 78274
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Dawes (1967, 1970)

Locality no: 62V1.37
Coordinates: 62.54364 -49.59478
Place name: Kangârssûp nunâ
Rock type: Olivine monchiquite
Field description: Dyke 2 m thick, orientated 80/85S.
Primary locality:
Samples: 78262
Rock analyses: 78262
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Dawes (1967, 1970), Hansen (1979)

KIMBERLITE, LAMPROITE AND ASSOCIATED ROCKS

MAP SHEET 63V1 FÆRINGEHAVN

Locality no: 63V1.1
Coordinates: 63.91339 -51.6842
Place name: Small island north of Qilangarssuit.
Rock type: Mica-rich ultramafic lamprophyre
Field description: Up to 15 cm wide dyke orientated 32/40W.
Primary locality: Nutman (1977) loc. 496
Samples: 211094
Rock analyses: 211094. GGU (unpublished)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data: Separated phlogopite from 211094 gave a K-Ar age of 175 +-7 Ma (D. Rex, unpublished data).
Comments:
References: Nutman (1977)

Locality no: 63V1.2
Coordinates: 63.91251 -51.6037
Place name: Kigtorqat island
Rock type: Mica-rich ultramafic lamprophyre
Field description: 0.5 m wide dyke trending approx. N-S.
Primary locality: Nutman (1976) loc. 30
Samples: 162417
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Nutman (1976)

Locality no: 63V1.3
Coordinates: 63.69713 -51.5698
Place name: Færingehavn
Rock type: Aillikite or micaceous kimberlite
Field description: Kimberlite dyke up to 5 m wide, with garnet + cpx nodules, trending 20o and dipping steeply.
A 'lamprophyre' dyke up to 1 m wide, trending 20o and dipping towards NW. (Same chemistry as the kimberlite).
Primary locality:
Samples: 265876 ('kimberlite'), 265877 ('lamprophyre')
Rock analyses: 265876, 265877. GGU (unpublished)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data: Separated phlogopite from 265877 gave a K-Ar age of 196 +-8 Ma (D. Rex, unpublished data).
Comments:
References: Allen Nutman, personal communication 1985

Locality no: 63V1.4
Coordinates: 63.66667 -51.5223
Place name: Kangâkasik
Rock type: Carbonate-rich ultramafic lamprophyre
Field description: Dyke
Primary locality:
Samples: 265875
Rock analyses: 265875. GGU (unpublished)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Allen Nutman, personal communication 1985

Locality no: 63V1.5
Coordinates: 63.64830 -51.5587
Place name: Teltøerne, north
Rock type: Mica-rich ultramafic lamprophyre
Field description: 0.5 m wide dyke trending 40o, dipping NW.
Primary locality:
Samples: 265872 - 265873
Rock analyses: 265872, 265873. GGU (unpublished)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data: Separated phlogopite from 265872 gave a K-Ar age of 185 +-7 Ma (D. Rex, unpublished data).
Comments:
References: Allen Nutman, personal communication 1985

Locality no: 63V1.6
Coordinates: 63.63978 -53.5628
Place name: Teltøerne
Rock type: Carbonate-rich ultramafic lamprophyre
Field description: Several veins with an aggregate thickness of 40 cm, orientated 63/82 NNW
Primary locality:
Samples: 265874
Rock analyses: 265874. GGU (unpublished)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Allen Nutman, personal communication 1985

KIMBERLITE, LAMPROITE AND ASSOCIATED ROCKS

MAP SHEET 63V2 FISKENÆSSET

Locality no: 63V2.1
Coordinates: 63.2065 -50.693
Place name: Eqalugârssuit N of Qeqertarssuatsiaq.
Rock type: Stream sediment sample. Diamond.
Field description:
Primary locality:
Samples: Platinomino B-33-72
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments: One microdiamond weighing 0.0005 carats was found in this sample.
References: Geisler (1973b, 1974a)

Locality no: 63V2.2
Coordinates: 63.2165 -50.661
Place name: Eqalugârssuit N of Qeqertarssuatsiaq.
Rock type: Stream sediment sample. Diamonds.
Field description:
Primary locality:
Samples: Platinomino B-79-72
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments: Nine microdiamonds weighing a total of 0.0167 carats were found in this sample.
References: Geisler (1973b, 1974a)

18 stream sediment samples later collected in the area contained no diamonds (Geisler, 1974b).

KIMBERLITE, LAMPROITE AND ASSOCIATED ROCKS

MAP SHEET 65V1 SUKKERTOPPEN

Locality no: 65V1.1
Coordinates: 65.4588 -52.7078
Place name: Igdlusautigssat, small skerry 10 km ENE of Sukkertoppen.
Rock type: Mica-rich ultramafic lamprophyre
Field description: Dyke 60 cm thick orientated 48o. Cut by an alkali basalt dyke orientated 137o.
Primary locality: KØ loc. RJ 16/73 KØ map O-2863
Samples: KØ 17098 KØ thin section no. 4264
Rock analyses: KØ 17098, renumbered as GGU 265881 (unpublished).
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data: Separated phlogopite from 265881 gave a K-Ar age of 586 +-25 Ma (D. Rex, unpublished data).
Comments:
References: Juhava (1973, 1974)

Locality no: 65V1.2
Coordinates: 65.392 -52.400
Place name: Alanguarssuk, Søndre Isortoq south coast.
Rock type: Kimberlite
Field description: Dyke 0.6-2 m thick, orientation 46/90, coast parallel. Exposed over c. 150 m
Primary locality:
Samples: GGU 87739 - GGU 87745
Rock analyses: GGU 87739, GGU 87745. Trace elements: 87739, 87740, 87742
Mineral analyses: Olivine, garnet, orthopyroxene, clinopyroxene, mica, ilmenite
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Goff (1973)

Locality no: 65V1.3
Coordinates: 65.35833 -51.8843
Place name: 7 km NE of head of Kangia fjord.
Rock type: Kimberlite
Field description: Small dyke 7 cm x 2 m, orientation 35/90.
Primary locality: KØ loc. ES 145/71 KØ map O-2372
Samples: KØ 14981 KØ thin section no. 4054
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Sandberg (1971), Juhava (1974)

Locality no: 65V1.4
Coordinates: 65.30751 -52.3008
Place name: 2 km E of Amitsuarssuaralak, Alangua.
Rock type: Kimberlite
Field description: Dyke 2 m thick, direction W-E, dip 80oN.
Primary locality: KØ loc. TK 19/71 KØ map O-2347
Samples: KØ 14584
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Karhu (1971); Juhava (1974)

Locality no: 65V1.5
Coordinates: 65.303 -52.267
Place name: Alángua, north coast. KØ: 'Suvdloq' pipe.
Rock type: Kimberlite and alkali basalt
Field description: A kimberlite dyke can be followed intermittently over c. 2.5 km, with direction NE to E. It is cut by an alkali basalt dyke which at one place (the coordinates above) is enlarged to an oval pipe c. 45 m x 65 m in size, rich in inclusions, a.o. of kimberlite. There may be more than one kimberlite dyke.
Primary locality: KØ locs. TK 20/71, TK 21/71, JG 5/72
KØ maps O-2347 and O-2448
Samples: Kimberlite: KØ 14586 - KØ 14589, KØ 16107 - KØ 16108, KØ 16175 - KØ 16183.
GGU 224866, 265421 - 265423.
Alkali basalt: KØ 16101 - 16107, KØ 16109, KØ 16169 - KØ 16174
Kimberlite thin sections no 3909, 3914, 4050, 4061, 4066
Alkali basalt sections no 3913, 4051, 4058, 4065
Rock analyses: GGU 224866, 265421. GGU (unpublished)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments: A rather complicated locality. Best sketch map in Gothenborg (1972)
References: Karhu (1971); Juhava (1971, 1974); Gothenborg (1972)

Locality no: 65V1.6
Coordinates: 65.26129 -51.7824
Place name: 4 km south of Sermeralak ice cap.
Rock type: Kimberlite
Field description: Dyke 0.5 m thick, 20 m long, direction 160o.
Primary locality: KØ loc. JN 1076/71 KØ map O-2374
Samples: KØ 16116 KØ thin section no 4059
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:

Comments: Magnetic survey has been done over a rounded depression c. 2.5 km WSW of this locality.
References: Niniharju (1971); Juhava (1974); Lappalainen (1972).

Locality no: 65V1.7
Coordinates: 65.22633 -51.9873
Place name: Majuagâ
Rock type: Kimberlite
Field description: Dyke
Primary locality: KØ loc. RJ 166/71 KØ map O-2375
Samples: KØ 16153 KØ thin section no 4060
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Juhava (1974)

Locality no: 65V1.8
Coordinates: 65.21247 -52.1980
Place name: Qaersup nunâ, south of Finnefjeld.
Rock type: Kimberlite
Field description: 1 m thick dyke in joint zone, direction 110o, 400m long.
Primary locality: KØ locs. AH 279/71, JG 4/72, RJ 2/72
KØ map O-2433
Samples: KØ 15854, KØ 16194 - KØ 16198, KØ 17242
KØ thin sections no 3910, 4062
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments: The area is covered by a satellite image in Witschard & Larsson (1988).
References: Hakkinen (1971); Gothenborg (1972); Juhava (1972, 1974); Witschard & Larsson (1988).

Locality no: 65V1.9
Coordinates: 65.18161 -52.2965
Place name: Akia, south coast of Alangua.
Rock type: Kimberlite
Field description: 0.5 m thick dyke in joint zone with ENE direction.
Primary locality: KØ locs. AH 288/71, JG 1/72 KØ map O-2434
Samples: KØ 15857, KØ 16184 - KØ 16189. Thin section no 4057
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data: Separated phlogopite from KØ 15857, renumbered as GGU 265879, gave a K-Ar age of 613 +-25 Ma (D. Rex, unpublished data).
Comments:
References: Hakkinen (1971); Gothenborg (1972); Juhava (1974)

Locality no: 65V1.10
Coordinates: 65.08441 -52.1794
Place name: Timivta taserssua
Rock type: Kimberlite
Field description: Dyke 2 m x 50 m, situated in joint zone with direction 110-130o, dip 42oSW.
Primary locality: KØ locs. EK 567/71, JG 2/72, RJ 1/72. KØ map O-2425
Samples: KØ 15472, KØ 16190 - KØ 16193. Thin section no 4055
Rock analyses:
Mineral analyses: Garnet, ilmenite. Kurki et al. (1971)
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments: The area is covered by a satellite image in Witschard & Larsson (1988).
References: Korvuo (1971); Kurki et al. (1971); Gothenborg (1972); Juhava (1972, 1974); Witschard & Larsson (1988).

Locality no: 65V1.11
Coordinates: 65.08306 -52.0328
Place name: 5 km east of Timivta taserssua.
Rock type: Kimberlite
Field description: Dyke 1 m thick, 15 m long, direction 60/62SE. Contains garnet and other inclusions.
Primary locality: KØ loc. PK 55/71 KØ map O-2438
Samples: KØ 15659 KØ thin section no 4056
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments: Magnetic measurements have been carried out at this locality (Lappalainen, 1972). The area lies near to a circular structure on satellite images.
References: Karhunen (1971); Juhava (1974); Lappalainen (1972); Witschard & Larsson (1987, 1988).

Locality no: 65V1.12
Coordinates: 65.45 -52.80
Place name: 7 km SE of Tupertalik.
Rock type: Carbonatitic lamprophyre (kimberlite?)
Field description:
Primary locality:
Samples:
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments: Locality taken from Juhava (1974). The primary locality has not been identified
References: Juhava (1974)

KIMBERLITE, LAMPROITE AND ASSOCIATED ROCKS

MAP SHEET 65V2 MAJORQAQ

Locality no: 65V2.1
Coordinates: 65.40225 -51.7013
Place name: Qaqarssuk
Rock type: Micaceous lamprophyre (monchiquite).
Field description: Dyke 0.5-1 m thick orientated 18/75E, filled with inclusions of various kinds. Cuts the carbonatites of the Qaqarssuk complex, but is cut by late carbonate veins.
Primary locality: KØ locs. TV 15/70, HM 127/70
Samples: KØ 14138, KØ 14564 - KØ 14565. Several GGU samples.
Rock analyses: Knudsen (1986) give analyses of six samples of this rock type, including some from localities in the neighbourhood. The analysed rocks contain many inclusions.
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data: Separated phlogopite from GGU 223812 gave an age of 174 +-7 Ma. Larsen et al. (1983)
Comments:
References: Vuotovesi (1970); Mattila (1970); Secher (1977); Larsen (1979); Larsen et al. (1983); Knudsen (1986)

Locality no: 65V2.2
Coordinates: 65.37000 -51.5518
Place name: Fossilik, c. 5 km ESE of Qaqarssuk.
Rock type: Micaceous lamprophyre (monchiquite)
Field description: Possible dyke: 0.5 m x 5 m streak of loose lamprophyre blocks. The lamprophyre contains fragments of fossiliferous Palaeozoic limestone.
Primary locality: Secher (1982) loc. 759 - 760
Samples: 257588, 257590
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Secher (1982)

Locality no: 65V2.3
Coordinates: 65.37560 -51.5381
Place name: Fossilik, c. 10 km ESE of Qaqarssuk.
Rock type: Micaceous lamprophyre (monchiquite).
Field description: Outcrop 3 m wide. Rock with many inclusions. Spinel or garnet. Garnet in thin section.
Primary locality: Secher (1982) loc. 648
Samples: 257463 - 257464
Rock analyses:
Mineral analyses:
Modal analyses:

Rb-Sr data:
K-Ar data:
Comments:
References: Secher (1982)

Locality no: 65V2.4
Coordinates: 65.38238 -51.5185
Place name: Fossilik, c. 11 km E of Qaqarssuk.
Rock type: Micaceous lamprophyre (monchiquite).
Field description: Loose blocks
Primary locality: Secher (1982) loc. 714
Samples: 257551
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Secher (1982)

Locality no: 65V2.5
Coordinates: 65.32469 -51.6905
Place name: c. 5 km S of Qaqarssuk.
Rock type: Kimberlite
Field description: Local boulders, suggesting a < 2 m thick dyke traceable for 150-200 m; contains garnet.
Primary locality: KØ loc. TV 567/71 KØ map O-2405
Samples: KØ 14798 KØ thin section no 4053
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Vuotovesi (1971)

Locality no: 65V2.6
Coordinates: 65.30165 -51.6460
Place name: C. 8 km south of Qaqarssuk.
Rock type: Kimberlite
Field description: 1 m thick dyke orientated 90/45N; contains garnet.
Primary locality: KØ loc. HK 57/71 KØ map O-2406
Samples: KØ 15745
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Kauppi (1971)

Locality no: 65V2.7
Coordinates: 65.29249 -51.7114
Place name: C. 9 km south of Qaqarssuk.
Rock type: Kimberlite
Field description: 10-15 cm thick vein orientated 80/70S, seen only over 1 metre's length; contains garnet.
Primary locality: KØ loc. EE 190/71 KØ map O-2405
Samples: KØ 15981
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Ekdahl (1971)

Locality no: 65V2.8
Coordinates: 65.19748 -51.5421
Place name: 1.5 km south of Taserssuatsiaq.
Rock type: Kimberlite
Field description: 0.5-0.8 m thick dyke with E-W-orientation (80o?) which can be followed over 400 m laterally and 40 m vertically. Many garnets.
Primary locality: Secher (1982) loc. 777
Samples: 257604 - 257605
Rock analyses: 257604. GGU (unpublished)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Secher (1982)

Locality no: 65V2.9
Coordinates: 65.19843 -51.5286
Place name: 1 km east of foregoing locality.
Rock type: Kimberlite
Field description: Loose block
Primary locality: Secher (1982) loc. 776
Samples: 257603
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Secher (1982)

Locality no: 65V2.10
Coordinates: 65.19373 -51.5198
Place name: 2 km south of Taserssuatsiaq.
Rock type: Kimberlite
Field description: Local blocks. In a 20 m wide depression is a large

concentration of kimberlite blocks, possibly from a cross-cutting dyke with direction 70o-90o, and minimum thickness 1 m. Several finds of loose blocks in the neighbourhood may be from this or other dykes.
Primary locality: Secher (1982) locs. 762 (p 56-58), 770, 771
Samples: 257591 - 257592, 257598 - 257599
Rock analyses: 257592. GGU (unpublished)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Secher (1982)

Locality no: 65V2.11
Coordinates: 65.08149 -51.7148
Place name: 2 km SSE of southern end of Taserssuatsiaq.
Rock type: Kimberlite
Field description: Loose block, football-size. Other loose blocks in the neighbourhood.
Primary locality: Secher (1982) locs. 834, 835
Samples: 257642
Rock analyses: 257642. GGU (unpublished)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Secher (1982)

Locality no: 65V2.12
Coordinates: 65.37806 -51.5319
Place name: Fossilik
Rock type: Lamprophyre (monchiquite?)
Field description: Two dykes 0.8-1 m thick orientated 100o and 122o.
Primary locality: Jensen (1982) locs. G-7 and I-6.
Samples: 257802, 257807, 257819
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Jensen (1982)

KIMBERLITE, LAMPROITE AND ASSOCIATED ROCKS

MAP SHEET 66V1 HOLSTEINSBORG

Sample numbers with prefix Li- belong to the Liverpool University numbering system. Other numbers are GGU numbers.

Locality no: 66V1.1
Coordinates: 66.97494 -53.78615
Place name: Bay east of Igdlutalik.
Rock type: Kersantite (kimberlite?)
Field description: Narrow dyke, E-W striking, vertical.
Primary locality:
Samples:
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Brooks et al. (1978)

Locality no: 66V1.2
Coordinates: 66.94993 -53.69821
Place name: Foot of Præstefjeld, Holsteinsborg.
Rock type: Kimberlite
Field description:
Primary locality: Scott (1977) loc. 1. Piper (1981) loc.3.
Samples: Li 5601, Li 5606
Rock analyses: Li 5606. Scott (1977)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Scott (1977), Piper (1981).

Locality no: 66V1.3
Coordinates: 66.95338 -53.70863
Place name: Foot of Præstefjeld, Holsteinsborg.
Rock type: Kimberlite
Field description:
Primary locality: Scott (1977) loc. 2
Samples: Li 5519 - Li 5522, Li 5603 - Li 5604
Rock analyses: Li 5603. Scott (1977, 1981)
Mineral analyses: Olivine, phlogopite, garnet, perovskite, ilmenite, titanomagnetite. Scott (1977, 1981).
Modal analyses: Scott (1981)
Rb-Sr data:
K-Ar data:
Comments:
References: Scott (1977, 1981)

Locality no: 66V1.4
Coordinates: 66.95051 -53.70945
Place name: Coast below Præstefjeld, Holsteinsborg.
Rock type: Kimberlite
Field description:
Primary locality: Scott (1977) loc. 3. Brooks et al. (1978) loc. 2?
Samples: Li 5605, Li 5607
Rock analyses: Li 5605, Li 5607. Scott (1977, 1979)
Mineral analyses: Phlogopite, chromite, titanomagnetite (Scott, 1977, 1981).
Modal analyses:
Rb-Sr data: Scott (1981)
K-Ar data:
Comments:
References: Scott (1977, 1979, 1981); Brooks et al. (1978)

Locality no: 66V1.5
Coordinates: 66.94746 -53.62386
Place name: Ulkebugt, Holsteinsborg.
Rock type: Kersantite (kimberlite?)
Field description: 30 cm thick dyke.
Primary locality:
Samples:
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Brooks et al. (1978)

Locality no: 66V1.6
Coordinates: 66.88973 -53.45403
Place name: Manitsorssuaq
Rock type: Kimberlite
Field description:
Primary locality: Scott (1977) loc. 46
Samples: Li 5518
Rock analyses: Scott (1977, 1981)
Mineral analyses: Olivine, phlogopite, K-feldspar, ilmenite, chromite, magnetite, titanomagnetite. Inclusions: olivine, phlogopite, orthopyroxene, spinel, amphibole. Garnet, plagioclase, clinopyroxene, rutile, calcite. Scott (1977, 1979, 1981).
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Scott (1977, 1979, 1981)

Locality no: 66V1.7
Coordinates: 66.86909 -53.60354
Place name: Manitsorssuaq
Rock type: Kimberlite

Field description: Narrow dyke < 0.5 m thick.
Primary locality: Scott (1977) loc. 37. Piper (1981) loc.7.
Samples: Li 5964 - Li 5966
Rock analyses: Li 5964, Li 5966. Scott (1977, 1979).
Mineral analyses: Olivine, phlogopite, perovskite, chromite, titanomagnetite, Fe-sulphide. Scott (1977, 1979, 1981).
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Scott (1977, 1979, 1981), Piper (1981).

Locality no: 66V1.8
Coordinates: 66.86606 -53.59638
Place name: Manitsorssuaq
Rock type: Kimberlite
Field description: Dyke >0.5 m thick.
Primary locality: Scott (1977) loc. 36. Piper (1981) loc.8.
Samples: Li 5947 - Li 5963. 311006 - 311008
Rock analyses: Li 5947, Li 5962. Scott (1977)
Mineral analyses: Inclusions: olivine, spinel, phlogopite, clinopyroxene. Scott (1977).
Modal analyses: Scott (1981)
Rb-Sr data:
K-Ar data:
Comments:
References: Scott (1977, 1981), Piper (1981).

Locality no: 66V1.9
Coordinates: 66.86599 -53.59089
Place name: Manitsorssuaq
Rock type: Kimberlite
Field description:
Primary locality: Scott (1977) loc. 38a
Samples: Li 5984 - Li 5997. 311009
Rock analyses: Li 5985, Li 5997. Scott (1977)
Mineral analyses: Olivine, spinel, phlogopite, clinopyroxene, titanomagnetite, apatite, serpentine. Inclusions: olivine, garnet, clinopyroxene, orthopyroxene, ilmenite. Scott (1977, 1981).
Modal analyses: Scott (1981)
Rb-Sr data: Scott (1981)
K-Ar data:
Comments:
References: Scott (1977, 1979, 1981)

Locality no: 66V1.10
Coordinates: 66.86449 -53.58560
Place name: Manitsorssuaq
Rock type: Kimberlite
Field description:
Primary locality: Scott (1977) loc. 38b
Samples: Li 5998 - Li 5999. 311010

Rock analyses: Li 5998, Li 5999. Scott (1977, 1979)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments: Either this locality or another of the group no 7-13 is mentioned in Brooks et al. (1978, no 5).
References: Scott (1977, 1979), Brooks et al. (1978)

Locality no: 66V1.11
Coordinates: 66.86339 -53.56936
Place name: Manitsorssuaq
Rock type: Kimberlite
Field description: 1.5 m thick dyke.
Primary locality: Scott (1977) loc. 40
Samples: Li 5967 - Li 5975
Rock analyses: Li 5973, Li 5974, Li 5975. Scott (1977, 1979, 1981)
Mineral analyses: Olivine, phlogopite, ilmenite, titanomagnetite, serpentine. Scott (1977, 1979, 1981).
Modal analyses:
Rb-Sr data: Li 5973, also Sm-Nd. Nelson (1989).
K-Ar data:
Comments:
References: Scott (1977, 1979, 1981), Nelson (1989).

Locality no: 66V1.12
Coordinates: 66.86467 -53.56230

Place name: Manitsorssuaq
Rock type: Kimberlite
Field description:
Primary locality: Scott (1977) loc. 39
Samples:
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Scott (1977)

Locality no: 66V1.13
Coordinates: 66.86118 -53.55674
Place name: Manitsorssuaq
Rock type: Kimberlite
Field description:
Primary locality: Scott (1977) loc. 41
Samples: Li 5976 - Li 5983
Rock analyses: Li 5983. Scott (1977)
Mineral analyses: Clinopyroxene. Inclusions: olivine. Scott (1977).
Modal analyses:
Rb-Sr data:
K-Ar data:

Comments:
References: Scott (1977)

Locality no: 66V1.14
Coordinates: 66.84871 -53.57425
Place name: Umanârssuk
Rock type: Kimberlite
Field description:
Primary locality: Scott (1977) loc. 45
Samples: Li 5512
Rock analyses:
Mineral analyses: Olivine, phlogopite, perovskite, ilmenite, titanomagnetite. Scott (1977, 1979, 1981).
Modal analyses: Scott (1981)
Rb-Sr data:
K-Ar data:
Comments:
References: Scott (1977, 1979, 1981)

Locality no: 66V1.15
Coordinates: 66.84592 -53.57602
Place name: Umanârssuk
Rock type: Kimberlite
Field description:
Primary locality: Scott (1977) loc. 44. Piper (1981) loc. 13.
Samples: Li 5507 - Li 5511, Li 5513
Rock analyses: Li 5508, Li 5511. Scott (1977, 1979)
Mineral analyses:
Modal analyses:
Rb-Sr data: Li 5508, also Sm-Nd. Nelson(1989).
K-Ar data:
Comments:
References: Scott (1977, 1979), Piper (1981), Nelson (1989).

Locality no: 66V1.16
Coordinates: 66.84385 -53.57825
Place name: Umanârssuk
Rock type: Kimberlite
Field description:
Primary locality: Brunet (1974) loc. K-10. Scott (1977) loc. 43. Piper (1981) loc. 14.
Samples: Li 5502 - Li 5505, Li 5514 - Li 5517
Rock analyses: Li 5503, Li 5504, Li 5505. Scott (1977, 1981)
Mineral analyses: Olivine, phlogopite, ilmenite, titanomagnetite, serpentine. Scott (1977).
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Brunet (1974), Scott (1977, 1981), Piper (1981).

Locality no: 66V1.17
Coordinates: 66.81132 -53.49927
Place name: Sarfanguaqland, western island.
Rock type: Lamproite
Field description:
Primary locality: Scott (1977) loc. 20
Samples: Li 5692 - Li 5693
Rock analyses: Li 5692. Scott (1977, 1981)
Mineral analyses: Olivine, phlogopite, clinopyroxene. Scott (1977, 1979).
Modal analyses: Scott (1981)
Rb-Sr data:
K-Ar data:
Comments:
References: Scott (1977, 1979, 1981)

Locality no: 66V1.18
Coordinates: 66.82512 -53.42087
Place name: Sarfanguaqland, western part.
Rock type: Lamprophyre
Field description:
Primary locality: Scott (1977) loc. 42
Samples: Li 5501
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Scott (1977)

Locality no: 66V1.19
Coordinates: 66.85797 -53.43720
Place name: Sarfanguaqland, western part.
Rock type: Kimberlite
Field description:
Primary locality: Scott (1977) loc. 21. Piper (1981) loc. 12.
Samples: Li 5694 - Li 5699, Li 5901
Rock analyses: Li 5696, Li 5699. Scott (1977, 1979, 1981)
Mineral analyses: Olivine, phlogopite, clinopyroxene, perovskite, ilmenite, chromite, titanomagnetite. Inclusions: olivine, clinopyroxene, orthopyroxene, spinel, phlogopite. Scott (1977, 1981).
Modal analyses:
Rb-Sr data: Scott (1981)
K-Ar data:
Comments:
References: Scott (1977, 1979, 1981), Piper (1981).

Locality no: 66V1.20
Coordinates: 66.89676 -53.09638
Place name: Sarfanguaqland, northern part.
Rock type:
Field description: Dyke

Primary locality:
Samples:
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments: Detailed localisation uncertain.
References: Escher & Watterson (1973)

Locality no: 66V1.21
Coordinates: 66.90891 -52.91493
Place name: Imartuninguaq, bottom of Amerdloq.
Rock type: Kersantite
Field description: Several narrow dykes, NW-SE striking.
Primary locality:
Samples:
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Noe-Nygaard & Ramberg (1961), Brooks et al. (1978)

Locality no: 66V1.22
Coordinates: 66.89522 -52.87106
Place name: Sarfanguaq
Rock type: Kersantite
Field description: Dyke, 75 cm thick, E-W striking.
Primary locality:
Samples: GGU 3703 (lost)
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Noe-Nygaard & Ramberg (1961), Brooks et al. (1978)

Locality no: 66V1.23
Coordinates: 66.90794 -52.61535
Place name: Ikertoq, eastern part.
Rock type: Lamprophyre
Field description: Dyke, orientation 105/88N.
Primary locality:
Samples: GGU 2055 (lost)
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:

References: J. Korstgård, unpublished; Noe-Nygaard & Ramberg (unpublished)

Locality no: 66V1.24
Coordinates: 66.94231 -52.59535
Place name: Igalassat, eastern Ikertôq.
Rock type: Lamprophyre
Field description: Two thin dykes.
Primary locality:
Samples:
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: J. Korstgård, unpublished

Locality no: 66V1.25
Coordinates: 66.94004 -52.58667
Place name: Igalassat, eastern Ikertôq.
Rock type: Lamprophyre
Field description: Dyke, orientation 77/80S. Cuts Kangâmiut metadolerite.
Primary locality:
Samples:
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: J. Korstgård (unpublished)

Locality no: 66V1.26
Coordinates: 66.85922 -52.50783
Place name: Avatdleq, eastern Ikertôq.
Rock type: Lamproite
Field description: Dyke, orientation 124/84S. + several thin dykes.
Primary locality:
Samples: Li 1057, Li 1058
Rock analyses: Li 1057, Li 1058. O. Stecher (unpublished), Thy et al. (1987).
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: J. Korstgård (unpublished), O. Stecher (unpublished), Thy et al. (1987)

Locality no: 66V1.27
Coordinates: 66.85850 -52.39890
Place name: Avatdleq, eastern Ikertôq.
Rock type:
Field description: Three dykes.
Primary locality:
Samples:
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: J. Korstgård (unpublished)

Locality no: 66V1.28
Coordinates: 66.85345 -52.39673
Place name: Avatdleq, eastern Ikertôq.
Rock type:
Field description: Dyke.
Primary locality:
Samples:
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: J. Korstgård (unpublished)

Locality no: 66V1.29
Coordinates: 66.82049 -52.29080
Place name: Avatdleq, south coast.
Rock type: 'Kersantite' (1), 'mica peridotite' (3)
Field description: Dyke. 7 m thick, orientation 115o, sheared parallel toÿ
B
strike (2) 4 m thick, orientation 120o (3).ÿ
B
Primary locality:
Samples: Li 1065
Rock analyses: no
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: (1) Noe-Nygaard & Ramberg (1961); (2) Brooks et al. (1978); (3) J. Korstgård (unpublished)

Locality no: 66V1.30
Coordinates: 66.81637 -52.81604
Place name: Qeqertalik, north coast.
Rock type: Lamproite
Field description: Dyke
Primary locality:
Samples: Li 5272, Li 5273
Rock analyses: Trace elements only. Stecher & Thy (unpublished).
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: J. Korstgård (unpublished); Stecher & Thy (unpublished)

Locality no: 66V1.31
Coordinates: 66.82366 -52.82784
Place name: Qeqertalik, north coast.
Rock type:
Field description: Dyke.
Primary locality:
Samples: Li 5274
Rock analyses: no
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: J. Korstgård (unpublished)

Locality no: 66V1.32
Coordinates: 66.82354 -52.88874
Place name: Qeqertalik, north coast.
Rock type:
Field description: Dyke.
Primary locality:
Samples:
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: J. Korstgård (unpublished)

Locality no: 66V1.33
Coordinates: 66.80571 -52.84551
Place name: Qeqertarssua, in Qeqertalik.
Rock type:
Field description: Three thin dykes in a fracture zone.

Primary locality:
Samples:
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: J. Korstgård (unpublished)

Locality no: 66V1.34
Coordinates: 66.80385 -52.88381
Place name: Qeqertarssua, in Qeqertalik.
Rock type:
Field description: Dyke, E-W oriented.
Primary locality:
Samples:
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: J. Korstgård (unpublished)

Locality no: 66V1.35
Coordinates: 66.77204 -52.78653
Place name: Qeqertalik, south coast.
Rock type: Lamproite
Field description: Dyke, orientation 128/87S.
Primary locality:
Samples: Li 5297
Rock analyses: Li 5297. Stecher & Thy (unpublished).
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: J. Korstgård (unpublished); Stecher & Thy (unpublished)

Locality no: 66V1.36
Coordinates: 66.76504 -52.79501
Place name: Qeqertalik, south coast.
Rock type:
Field description: Dyke, 1 m thick, orientation 120o; jointed.ÿ
B
Primary locality:
Samples:
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:

Comments:
References: J. Korstgård (unpublished)

Locality no: 66V1.37
Coordinates: 66.75715 -52.80599
Place name: Qeqertalik, south coast.
Rock type:
Field description: Dyke.
Primary locality:
Samples:
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: J. Korstgård (unpublished)

Locality no: 66V1.38
Coordinates: 66.75338 -52.82308
Place name: Qeqertalik, south coast.
Rock type: Lamproite
Field description: Dyke; cuts Kangâmiut dolerite.
Primary locality:
Samples: Li 5291
Rock analyses: Li 5291. Stecher & Thy (unpublished).
Mineral analyses: Clinopyroxene, mica, ilmenite, apatite. Thy et al. (1987).
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: J. Korstgård (unpublished); Stecher & Thy (unpublished); Thy et al. (1987)

Locality no: 66V1.39
Coordinates: 66.75097 -52.83082
Place name: Qeqertalik, south coast.
Rock type: Lamproite
Field description: Two dykes with olivine nodules. Orientation 80o.ÿ B
Primary locality:
Samples: Li 5295
Rock analyses: Li5295. Stecher & Thy (unpublished).
Mineral analyses: Olivine, clinopyroxene, mica. Thy et al. (1987).
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: J. Korstgård (unpublished); Stecher & Thy (unpublished); Thy et al. (1987)

Locality no: 66V1.40
Coordinates: 66.74489 -52.77903
Place name: Kangerdluarssuk, north coast.
Rock type: Lamproite
Field description: Dyke with gneiss inclusions.
Primary locality:
Samples: Li 1135
Rock analyses: Li 1135. Thy et al. (1987).
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: J. Korstgård (unpublished); Stecher & Thy (unpublished); Thy et al. (1987)

Locality no: 66V1.41
Coordinates: 66.78501 -53.01710
Place name: Qeqertalik, north coast.
Rock type:
Field description: Thin dyke.
Primary locality:
Samples:
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: J. Korstgård (unpublished)

Locality no: 66V1.42
Coordinates: 66.77656 -53.03166
Place name: Qeqertalik, north coast.
Rock type:
Field description: More than four thin dykes.
Primary locality:
Samples:
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: J. Korstgård (unpublished)

Locality no: 66V1.43
Coordinates: 66.77224 -53.05965
Place name: Qeqertalik, north coast.
Rock type:
Field description: Dyke, jointed.
Primary locality:
Samples:

Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: J. Korstgård (unpublished)

Locality no: 66V1.44
Coordinates: 66.73557 -53.08408
Place name: Qeqertalik, south coast.
Rock type: Kersantite
Field description: Dyke, 1 m thick, orientation E-W/70oS.ÿ
B
Primary locality: Brooks et al. (1978) loc. 9
Samples:
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Noe-Nygaard & Ramberg (1961); Brooks et al. 1978)

Locality no: 66V1.45
Coordinates: 66.73234 -53.17701
Place name: Mouth of Kangerdluarssuk, north coast.
Rock type: Lamproite
Field description: Dyke, 20-30 cm thick, en echelon running. Orientation E-W/vertical; cuts metadolerite.
Primary locality: Scott (1977) loc. 13. Brooks et al. (1978) loc. 10.
Samples: Li 5635 - Li 5637. 311002-311003
Rock analyses: Li5635, Li5636, Li5637. Scott (1977, 1979) 311002,311003. GGU (unpublished)
Mineral analyses: Olivine, priderite. Scott (1977, 1981).
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: J. Korstgård (unpublished); Noe-Nygaard & Ramberg (1961); Brooks et al. (1978); Scott (1977, 1979, 1981)

Locality no: 66V1.46
Coordinates: 66.73581 -53.19772
Place name: Mouth of Kangerdluarssuk, north coast.
Rock type:
Field description: Dyke, 70 cm thick, orientation 85/86S.
Primary locality:
Samples: Li 5265
Rock analyses: no
Mineral analyses:
Modal analyses:
Rb-Sr data:

K-Ar data:
Comments:
References: J. Korstgård (unpublished)

Locality no: 66V1.47
Coordinates: 66.74393 -53.28872
Place name: Sagdlerssuaq, south coast.
Rock type:
Field description: Dyke.
Primary locality:
Samples:
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments: Detailed localisation uncertain.
References: Escher & Watterson (1973)

Locality no: 66V1.48
Coordinates: 66.73887 -53.30662
Place name: Sagdlerssuaq, south coast.
Rock type:
Field description: Dyke.
Primary locality: Brunet (1974) loc. K-12
Samples:
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Escher & Watterson (1973); Brunet (1974)

Locality no: 66V1.49
Coordinates: 66.72577 -53.52702
Place name: Island west of Sagdlerssuaq.
Rock type: Lamproite
Field description: Several dykes up to 0.5 m thick, with en echelon offsets.
Primary locality: Scott (1977) loc. 9. Piper (1981) loc.28.
Samples: Li 5622 - Li 5629
Rock analyses: Li 5622, Li 5623, Li 5624, Li5625, Li5628, Li5629.
Scott (1977, 1979, 1981).
Mineral analyses: Olivine, mica, amphibole, pseudoleucite, Fe-sulphide.
Scott (1977, 1981).
Modal analyses: Scott (1981)
Rb-Sr data: Scott (1981). Li 5622, also Sm-Nd: Nelson (1989).
K-Ar data:
Comments:
References: Scott (1977, 1979, 1981), Piper (1981), Nelson (1989).

Locality no: 66V1.50
Coordinates: 66.71229 -53.47156
Place name: Island west of Sagdlerssuaq.
Rock type: Lamproite
Field description:
Primary locality: Scott (1977) loc. 16
Samples: Li 5653 - Li 5665
Rock analyses: Li 5653,Li 5655, Li 5658, Li 5659, Li5663, Li 5664, Li 5665. Scott (1977, 1979).
Mineral analyses: Olivine. Scott (1977).
Modal analyses: Scott (1981)
Rb-Sr data: Scott (1981)
K-Ar data:
Comments:
References: Scott (1977, 1979, 1981)

Locality no: 66V1.51
Coordinates: 66.73043 -53.47896
Place name: Island west of Sagdlerssuaq.
Rock type: Lamproite
Field description:
Primary locality: Scott (1977) loc. 14. Piper (1981) loc.26.
Samples: Li 5638 - Li 5645
Rock analyses: Li 5641, Li 5643, Li 5645. Scott (1977, 1981)
Mineral analyses: Mica, clinopyroxene, amphibole, pseudoleucite, Fe-sulphide. Scott (1977, 1981).
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Scott (1977, 1981), Piper (1981)

Locality no: 66V1.52
Coordinates: 66.73632 -53.46135
Place name: Sagdlerssuaq, west.
Rock type: Anomalous lamprophyre
Field description: Dyke. Dark-coloured, with abundant euhedral augite crystals.
Primary locality: Scott (1977) loc. 19
Samples: Li 5672 - Li 5687
Rock analyses: Li 5672. Scott (1977, 1979)
Mineral analyses:
Modal analyses:
Rb-Sr data: Li 5672, also Sm-Nd: Nelson (1989).
K-Ar data:
Comments:
References: Scott (1977, 1979), Nelson (1989).

Locality no: 66V1.53
Coordinates: 66.73455 -53.45540
Place name: Sagdlerssuaq, west.
Rock type: Lamprophyre
Field description:

Primary locality: Scott (1977) loc. 17
Samples: Li 5666
Rock analyses: no
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Scott (1977)

Locality no: 66V1.54
Coordinates: 66.73591 -53.44907
Place name: Sagdlerssuaq, west.
Rock type: Anomalous lamprophyre
Field description: Dyke. Variable strike from 70 to 144. Distinct internal contacts.
Primary locality: Scott (1977) loc. 18. Piper (1981) loc. 23.
Samples: Li 5667 - Li 5671
Rock analyses: Li 5667, Li 5668. Scott (1977, 1981).
Mineral analyses: Clinopyroxene, amphibole, mica, feldspar, chromite, titanomagnetite. Scott (1977, 1981).
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Scott (1977, 1981), Piper (1981).

Locality no: 66V1.55
Coordinates: 66.73266 -53.45537
Place name: Sagdlerssuaq, west.
Rock type: Lamproite
Field description:
Primary locality: Scott (1977) loc. 15. Piper (1981) loc.24.
Samples: Li 5646 - Li 5652
Rock analyses: Li 5646, Li 5647, Li 5651, Li 5652. Scott (1977, 1979).
Mineral analyses: Mica, clinopyroxene, amphibole, K-feldspar, pseudo-leucite, rutile, calcite. Scott (1977, 1979, 1981).
Modal analyses: Scott (1981)
Rb-Sr data: Li 5652, also Sm-Nd: Nelson (1989).
K-Ar data:
Comments:
References: Scott (1977, 1979, 1981), Piper (1981), Nelson (1989).

Locality no: 66V1.56
Coordinates: 66.72692 -53.44935
Place name: Sagdlerssuaq, west.
Rock type: Lamproite
Field description: Dyke, 0.5 m thick.
Primary locality: Scott (1977) loc. 8a. Piper (1981) loc.31/32.
Samples: Li 5615 - Li 5621
Rock analyses: Li 5616, Li 5620, Li 5621. Scott (1977)
Mineral analyses:
Modal analyses:

Rb-Sr data:
K-Ar data:
Comments:
References: Scott (1977), Piper (1981).

Locality no: 66V1.57
Coordinates: 66.72530 -53.45387
Place name: Sagdlerssuaq, west.
Rock type: Lamproite
Field description: Two dykes, 0.5 m thick.
Primary locality: Scott (1977) loc. 8b or 8 (?). Piper (1981) loc.31/32.
Samples: Li 5608 - Li 5614
Rock analyses: Li 5611, Li 5612. Scott (1977, 1979).
Mineral analyses: Olivine. Scott (1977, 1979, 1981).
Modal analyses:
Rb-Sr data: Li 5611, also Sm-Nd: Nelson (1989).
K-Ar data:
Comments:
References: Scott (1977, 1979, 1981), Piper (1981), Nelson (1989).

Locality no: 66V1.58
Coordinates: 66.68335 -53.37892
Place name: Pikiulik
Rock type: Lamproite
Field description:
Primary locality: Scott (1977) loc. 10
Samples: Li 5630
Rock analyses: Li 5630. Scott (1977, 1979).
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Scott (1977, 1979); Noe-Nygaard & Ramberg (1961)

Locality no: 66V1.59
Coordinates: 66.69755 -53.30041
Place name: Kingap timerdlia
Rock type: Lamproite
Field description: Dyke, E-W striking, possibly the same as loc. 66v1.61.
Primary locality: Scott (1977) loc. 11. Piper (1981) loc. 33.
Samples: Li 5631-Li5633. GGU 1041
Rock analyses: Li 5632, GGU 1041. Scott (1977, 1981), Brooks et al. (1978).
Mineral analyses: Olivine, K-feldspar. Scott (1977, 1979, 1981). Olivine, mica, clinopyroxene, carbonate, pseudoleucite, amphibole. Brooks et al. 1978).
Modal analyses: Scott (1981)
Rb-Sr data:
K-Ar data: Age 1206 +- 18 Ma. Brooks et al. (1978).
Comments:
References: Noe-Nygaard & Ramberg (1961); Brooks et al. (1978); Scott (1977, 1979, 1981); Piper (1981).

Locality no: 66V1.60
Coordinates: 66.70563 -53.25420
Place name: Kingap timerdlia
Rock type: Lamproite
Field description:
Primary locality: Scott (1977) loc. 12. Piper (1981) loc.34.
Samples: Li 5634
Rock analyses: Li 5634. Scott (1977, 1979)
Mineral analyses:
Modal analyses:
Rb-Sr data: Li 5634, also Sm-Nd: Nelson (1989).
K-Ar data:
Comments:
References: Scott (1977, 1979), Piper (1981), Nelson (1989).

Locality no: 66V1.61
Coordinates: 66.69958 -53.21261
Place name: Kingap timerdlia, mouth of Kangerdluarssuk.
Rock type: Kersantite
Field description: Dyke, E-W striking, possibly the same as loc. 66v1.59.
Primary locality:
Samples:
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Noe-Nygaard & Ramberg (1961); Brooks et al. (1978)

Locality no: 66V1.62
Coordinates: 66.71443 -53.11783
Place name: Kangerdluarssuk, north coast.
Rock type: Lamproite
Field description: Dyke, 0.5 m thick, orientation 90/90.
Primary locality: Jensen (1978) loc. 257
Samples: 186138
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Jensen (1978)

Locality no: 66V1.63
Coordinates: 66.71383 -53.07605
Place name: Kangerdluarssuk, north coast.
Rock type: Lamproite ?
Field description: Dyke, 2 m thick, dissolves into crossing apophyses.

Primary locality: Jensen (1978) loc. 261
Samples:
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Jensen (1978)

Locality no: 66V1.64
Coordinates: 66.67592 -53.00836
Place name: Kangerdluarssuk, south coast.
Rock type:
Field description: Two dykes, 0.5 m thick.
Primary locality:
Samples:
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: J. Korstgård (unpublished)

Locality no: 66V1.65
Coordinates: 66.57705 -53.44769
Place name: Itivdleq, mainland east of settlement.
Rock type: Lamproite
Field description:
Primary locality: Scott (1977) loc. 35. Piper (1981) loc. 45.
Samples: Li 5940 - Li 5946. 311001
Rock analyses: Li 5940, Li 5942, Li 5943, Li 5944, Li 5945: Scott (1977, 1981). 311001: GGU (unpublished)
Mineral analyses:
Modal analyses:
Rb-Sr data: Scott (1981)
K-Ar data:
Comments:
References: Scott (1977, 1981), Piper (1981).

Locality no: 66V1.66
Coordinates: 66.57770 -53.43957
Place name: Itivdleq, mainland east of settlement.
Rock type: Lamprophyre
Field description:
Primary locality: Brunet (1974) loc. K-6. Scott (1977) loc. 34
Samples: K-6-73. Li 5937 - 5939
Rock analyses: Li 5937, Li 5938. Scott (1977)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:

Comments:
References: Brunet(1974); Scott (1977)

Locality no: 66V1.67
Coordinates: 66.58119 -53.44257
Place name: Itivdleq, mainland east of settlement.
Rock type: Anomalous lamprophyre
Field description:
Primary locality: Scott (1977) loc. 47
Samples: Li 5688 - Li 5691
Rock analyses: Li 5688. Scott (1977)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Scott (1977)

Locality no: 66V1.68
Coordinates: 66.57587 -53.41989
Place name: Itivdleq, mainland east of settlement.
Rock type: Micaceous lamprophyre
Field description: 30 x 10 m pipe-like intrusion with nodules.
Primary locality: Scott (1977) loc. 30
Samples: Li 5918 - Li 5931
Rock analyses: no
Mineral analyses: Wehrlite inclusion: olivine, chromite, anphibole. Scott (1977).
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Scott (1977, 1981, 1987)

Locality no: 66V1.69
Coordinates: 66.57069 -53.40648
Place name: Itivdleq, mainland east of settlement.
Rock type: Lamprophyre
Field description:
Primary locality: Scott (1977) loc. 33. Piper (1981) loc. 46.
Samples: Li 5936
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Scott (1977), Piper (1981).

Locality no: 66V1.70
Coordinates: 66.56519 -53.41542

Place name: Itivdleq, mainland east of settlement.
Rock type: Lamproite
Field description:
Primary locality: Brunet (1974) loc. K-4. Scott (1977) loc. 32
Samples: Li 5933 - Li 5935
Rock analyses: Li 5934, Li 5935. Scott (1977)
Mineral analyses: Olivine. Scott (1977)
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Brunet (1974); Scott (1977, 1981).

Locality no: 66V1.71
Coordinates: 66.56595 -53.36352
Place name: Itivdleq, mainland east of settlement.
Rock type: Kersantite
Field description: Dyke, E-W oriented, narrow. Probably the same as at loc. 66V1.72.
Primary locality:
Samples:
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Noe-Nygaard & Ramberg (1961); Brooks et al. (1978).

Locality no: 66V1.72
Coordinates: 66.56693 -53.32810
Place name: Itivdleq, mainland east of settlement.
Rock type: Kersantite
Field description: Probably a continuation of the dyke in loc. 66V1.71.
Primary locality:
Samples:
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Noe-Nygaard & Ramberg (1961); Brooks et al. (1978); Escher & Watterson (1973)?

Locality no: 66V1.73
Coordinates: 66.59949 -53.38889
Place name: Itivdleq, mainland east of settlement.
Rock type:
Field description: Dyke
Primary locality: Locality taken from Scott (1981). No accurate localisation.
Samples:

Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Escher & Watterson (1973); Scott (1981)

Locality no: 66V1.74
Coordinates: 66.59282 -53.32145
Place name: Itivdleq, mainland east of settlement.
Rock type:
Field description: Dyke
Primary locality: Locality taken from Scott (1981). No accurate localisation.
Samples:
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Escher & Watterson (1973); Scott (1981)

Locality no: 66V1.75
Coordinates: 66.56274 -52.71559
Place name: Itivdleq, north coast.
Rock type:
Field description: Dyke, orientation 82/89S.
Primary locality:
Samples:
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Escher & Watterson (1973); J. Korstgård (unpublished)

Locality no: 66V1.76
Coordinates: 66.55489 -52.65408
Place name: Itivdleq, north coast.
Rock type:
Field description: Three dykes, each 10 cm thick. Orientation 78/80N.
Primary locality:
Samples:
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments: J. Korstgård's field description complies with that of Brunet (1974) loc. K-11, but the localisations differ

by c. 2km
References: J. Korstgård (unpublished); Brunet (1974)

Locality no: 66V1.77
Coordinates: 77 66.33045 -52.67325

Place name: Søndre Strømfjord, at Kangingussâ.
Rock type: Kimberlite
Field description: Dyke, NW-SE oriented. On several field maps - must be rather large.
Primary locality:
Samples: GGU 3127
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Noe-Nygaard & Ramberg (1961)

Locality no: 66V1.78
Coordinates: 66.46560 -52.35684
Place name: Søndre Strømfjord, west of Sarfartûp nunâ.
Rock type: Kimberlite
Field description: '5 cm thick rusty carbonatite vein with kimberlite'.
Primary locality: Jensen (1978) loc. 325
Samples: 186151
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Jensen (1978)

Locality no: 66V1.79
Coordinates: 66.33045 -52.67325
Place name: Søndre Strømfjord, west of Sarfartûp nunâ.
Rock type:
Field description: 'Joints with carbonatite mineralisation'.
Primary locality: Jensen (1978) loc. 334
Samples:
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Jensen (1978)

Locality no: 66V1.80
Coordinates: 66.53047 -52.32401
Place name: Søndre Strømfjord, 'south side of Qaqortorssuaq'.
Rock type: Kimberlite
Field description:
Primary locality:
Samples: GGU 3666
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments: Very uncertain localisation.
References: GGU, unpublished

Locality no: 66V1.81
Coordinates: 66.51830 -52.13263
Place name: Søndre Strømfjord, at Qaqatsiaq.
Rock type: Kimberlite
Field description: 'Dyke, 1 m thick, zoned, with olivine phenocrysts up to 2 cm large, and black hornblende or pyroxene up to 2 cm large. Also rusty carbonatite mineralisation'.
Primary locality: Jensen (1978) loc. 346
Samples: 186153
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Jensen (1978)

Locality no: 66V1.82
Coordinates: 66.66330 -51.96102
Place name: Søndre Strømfjord
Rock type:
Field description: Dyke.
Primary locality:
Samples:
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments: Accurate localisation uncertain.
References: Escher & Watterson (1973)

Locality no: 66V1.83
Coordinates: 66.64575 -51.82927
Place name: Søndre Strømfjord
Rock type:
Field description: Dyke.
Primary locality:

Samples:
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments: Accurate localisation uncertain.
References: Escher & Watterson (1973)

Locality no: 66V1.84
Coordinates: 66.45746 -51.93368
Place name: Sarfartûp nunâ
Rock type: Kimberlite and lamproite
Field description:
Primary locality: Scott (1977) loc. 31
Samples: Li 5820, Li 5834, Li 5932 (kimberlite)
Li 5890 - Li 5891 (lamproite)
Rock analyses: Li 5820, Li 5834, Li 5932, Li 5890, Li 5891.
Scott (1977, 1979)
Mineral analyses:
Modal analyses:
Rb-Sr data: Li 5932, also Sm-Nd: Nelson (1989).
K-Ar data:
Comments:
References: Scott (1977, 1979), Nelson (1989).

Locality no: 66V1.85
Coordinates: 66.41930 -51.83769
Place name: Sarfartûp nunâ
Rock type: Kimberlite
Field description: Loose blocks, local
Primary locality: Scott (1977) loc. 22
Samples: Li 5902 - Li 5903. 265167 - 265169
Rock analyses: Li 5903. Scott (1977, 1979)
Mineral analyses:
Modal analyses:
Rb-Sr data: Li 5903, also Sm-Nd: Nelson (1989).
K-Ar data:
Comments:
References: Scott (1977, 1979); Larsen (1979), Nelson (1989).

Locality no: 66V1.86
Coordinates: 66.41857 -51.83548
Place name: Sarfartûp nunâ
Rock type: Kimberlite
Field description: Loose blocks, local
Primary locality: Scott (1977) loc. 23
Samples: Li 5904 - Li 5905
Rock analyses: Li 5905. Scott (1977)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:

Comments:
References: Scott (1977)

Locality no: 66V1.87
Coordinates: 66.41816 -51.84088
Place name: Sarfartûp nunâ
Rock type: Kimberlite
Field description: Loose blocks, local, followed over 30 m.
Primary locality: Scott (1977) loc. 24
Samples: Li 5906 - Li 5907. 265170 - 265171
Rock analyses: Li 5907, 265170. Scott (1977, 1979); GGU (unpublished).
Mineral analyses:
Modal analyses:
Rb-Sr data: Li 5907, also Sm-Nd: Nelson (1989).
K-Ar data:
Comments:
References: Scott (1977, 1979); Larsen (1979), Nelson (1989).

Locality no: 66V1.88
Coordinates: 66.41540 -51.83.203
Place name: Sarfartûp nunâ
Rock type: Kimberlite
Field description: Loose blocks, local.
Primary locality: Scott (1977) loc. 25
Samples: Li 5908 - Li 5910
Rock analyses: Li 5908. Scott (1977)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Scott (1977)

Locality no: 66V1.89
Coordinates: 66.41726 -51.83015
Place name: Sarfartûp nunâ
Rock type: Kimberlite
Field description: Loose blocks, local.
Primary locality: Scott (1977) loc. 26
Samples: Li 5911
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Scott (1977)

Locality no: 66V1.90
Coordinates: 66.41223 -51.85260
Place name: Sarfartûp nunâ

Rock type: Kimberlite
Field description:
Primary locality: Brunet (1974) loc.K-8. Scott (1977) loc. 28.
Samples: K-8-73. Li 5912 - Li 5916
Rock analyses: Li 5915. Scott (1977).
Mineral analyses: Olivine, mica, perovskite, titanomagnite, serpentine. Dunite inclusion: olivine. Scott (1977, 1981).
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Brunet (1974); Scott (1977, 1981)

Locality no: 66V1.91
Coordinates: 66.41135 -51.86856
Place name: Sarfartûp nunâ
Rock type: Kimberlite
Field description:
Primary locality: Scott (1977) loc. 29
Samples: Li 5917
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Scott (1977)

Locality no: 66V1.92
Coordinates: 66.50207 -51.83218
Place name: Sarfartôq valley
Rock type: Kimberlite
Field description: Loose blocks in local scree. Several blocks from thin veins up to 10 cm thick; some from thicker dykes.
Primary locality: Larsen (1979) loc. 156
Samples: 265399 - 265405
Rock analyses: 265399, 265403. GGU (unpublished)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V1.93
Coordinates: 66.50130 -51.80227
Place name: Sarfartôq valley
Rock type: Kimberlite
Field description: Thin rusty veins in joint system orientated 30/40E.
Primary locality: Larsen (1979) loc. 157
Samples:
Rock analyses:
Mineral analyses:

Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V1.94
Coordinates: 66.49819 -51.78877
Place name: Sarfartôq valley
Rock type: Kimberlite
Field description: 5-10cm thick rusty veins in joint system orientated 40/40E.
Primary locality: Larsen (1979) loc. 158
Samples:
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V1.95
Coordinates: 66.49173 -51.77919
Place name: Sarfartôq valley
Rock type: Kimberlite
Field description: Clean outcrop at river bank. Joint system orientated 20-40/35-45E. Several 0-10 cm thin rusty brown veins.
Primary locality: Larsen (1979) loc. 155
Samples: 265397 - 265398
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V1.96
Coordinates: 66.50174 -51.77703
Place name: Sarfartôq valley
Rock type: Kimberlite
Field description: 15-40 cm thick dyke in joint system orientated 160-180/30-40E. More dykes are seen above this level (300 m).
Primary locality: Larsen (1979) loc. 151
Samples: 265392
Rock analyses: 265392. GGU (unpublished)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V1.97
Coordinates: 66.49640 -51.75577
Place name: Sarfartôq valley
Rock type: Kimberlite
Field description: Scree-slopes with loose blocks, and outcropping dykes up to 25 cm thick, in joint system with measured orientations 137/35E, and 30-45/40E.
Primary locality: Larsen (1979) locs. 149-150 and 152-153
Samples: 265391, 265393 - 265395
Rock analyses: 265391. GGU (unpublished)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V1.98
Coordinates: 66.47288 -52.04006
Place name: Qernartarssuarsûp qulâ, Søndre Strømfjord.
Rock type: Kimberlite
Field description: Dyke 0.5m thick striking 90-100; length 500m.
Primary locality: Brunet (1974) loc. K-7
Samples: K-7-73
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Brunet (1974)

Locality no: 66V1.99
Coordinates: 66.49813 -51.85271
Place name: Mouth of Sarfartôq valley.
Rock type: Stream sand/gravel. Diamond.
Field description:
Primary locality:
Samples: G-84-73
Rock analyses:
Mineral analyses:
Modal analyses: One diamond weighing 0.0005 carats was found in this sample.
Rb-Sr data:
K-Ar data:
Comments:
References: Brunet (1974)

Locality no: 66V1.100
Coordinates: 66.48889 -51.81803

Place name: Mouth of Sarfartôq valley.
Rock type: Stream sand/gravel. Diamond.
Field description:
Primary locality:
Samples: BS-3-75
Rock analyses:
Mineral analyses:
Modal analyses: One diamond weighing 0.0015 carats was found in this sample.
Rb-Sr data:
K-Ar data:
Comments:
References: Brunet (1976)

Locality no: 66V1.101
Coordinates: 66.85978 -53.49412
Place name: Manitsorssuaq
Rock type: Kimberlite
Field description: Dyke 1.7m thick striking 100-120; length 300m.
Primary locality: Brunet (1974) loc. K-1
Samples: K-1-73. BG-4-73 from beach
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Brunet (1974)

Locality no: 66V1.102
Coordinates: 66.60897 -53.40623
Place name: Itivdleq, mainland east of settlement
Rock type: Kimberlite?
Field description: Six narrow dykes, 2m in total thickness,striking 90-100, length 60m.
Primary locality: Brunet (1974) loc. K-5
Samples: K-5-73
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Brunet (1974)

Locality no: 66V1.103
Coordinates: 66.71953 -52.62095
Place name: Kangerdluarssuk, head of fjord.
Rock type: Kimberlite
Field description: Dyke.
Primary locality:
Samples: Li 1122
Rock analyses: Li 1122: Stecher & Thy (unpublished).
Mineral analyses:

Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Stecher & Thy (unpublished)

KIMBERLITE, LAMPROITE AND ASSOCIATED ROCKS

MAP SHEET 66V2 SØNDRE STRØMFJORD

Locality no: 66V2.1
Coordinates: 66.96943 -50.96285
Place name: Strømfjordshavn
Rock type: Kimberlite
Field description: Loose blocks, the biggest 40 x 40 x 12 cm.
Primary locality: Larsen (1979) loc. 239
Samples: 265871
Rock analyses: 265871. GGU (unpublished)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.2
Coordinates: 66.86061 -50.79300
Place name: Umîvît, Søndre Strømfjord
Rock type: Kimberlite
Field description: Dyke c. 80 cm thick, with schlieren and vesicles, orientation 24/30E.
Primary locality: Larsen (1979) loc. 238
Samples: 265868 - 265870
Rock analyses: 265868. GGU (unpublished)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data: Separated phlogopite from 265868 gave an age of 589 +- 18 Ma (Larsen et al., 1983)
Comments:
References: Larsen (1979), Larsen et al. (1983)

Locality no: 66V2.3
Coordinates: 66.70634 -51.50087
Place name: Angujârtorfik, Søndre Strømfjord
Rock type: Kimberlite
Field description: Many loose blocks at the beach.
Primary locality: Larsen (1979) loc. 223
Samples:
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.4
Coordinates: 66.70573 -51.44595
Place name: Angujârtorfik, Søndre Strømfjord
Rock type: Kimberlite
Field description: Many loose blocks forming a strip from the beach and some distance into the land. Probably a dyke.
Primary locality: Larsen (1979) loc. 221
Samples: GGU 3141, 265827 - 265828
Rock analyses: 265827, 265828. GGU (unpublished)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments: The old GGU sample probably comes from this locality
References: Larsen (1979), unpublished GGU-data

Locality no: 66V2.5
Coordinates: 66.72626 -51.40278
Place name: Angujârtorfiup kûa, near Søndre Strømfjord.
Rock type: Kimberlite
Field description: Several dykes, 10 - 40 cm thick, in joint system orientated 20/40E.
Primary locality: Larsen (1979) loc. 222
Samples: 265829 - 265830
Rock analyses: 265829. GGU (unpublished)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.6
Coordinates: 66.71734 -51.18944
Place name: Between Taserssuaq and Søndre Strømfjord.
Rock type: Kimberlite
Field description: Several dykes up to at least 20 cm thick, in joints orientated 160/70 SW. Bad exposures.
Primary locality: Larsen (1979) loc. 220
Samples: 265825 - 265826
Rock analyses: 265826. GGU (unpublished)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.7
Coordinates: 66.71451 -50.47870
Place name: Mountain side at Kangerdluatsiarssuaq, east Taserssuaq.
Rock type: Kimberlite
Field description: Several dykes up to at least 60 cm thick seen over

	c. 200 m. Two sets of orientations: 50/85W and 85/40N, but same rock.
Primary locality:	Larsen (1979) loc. 235
Samples:	265846 - 265851
Rock analyses:	265846. GGU (unpublished)
Mineral analyses:	
Modal analyses:	
Rb-Sr data:	
K-Ar data:	
Comments:	
References:	Larsen (1979)

Locality no:	66V2.8
Coordinates:	66.60783 -50.60221
Place name:	Arnanganeq, south of Taserssuaq.
Rock type:	Kimberlite
Field description:	One dyke 50 cm thick, orientated 90/28N.
Primary locality:	Larsen (1979) loc. 233
Samples:	265840 - 265842
Rock analyses:	265840. GGU (unpublished)
Mineral analyses:	
Modal analyses:	
Rb-Sr data:	
K-Ar data:	
Comments:	
References:	Larsen (1979)

Locality no:	66V2.9
Coordinates:	66.63147 -50.40848
Place name:	Ivnajuagtoq, south-east of Taserssuaq.
Rock type:	Kimberlite
Field description:	Several dykes up to 15 cm thick, orientated 80/20N. 4 cm thick rusty-brown marginal zones, and 0-7 cm thick grey-green coarse-grained center.
Primary locality:	Larsen (1979) loc. 234
Samples:	265843 - 265845
Rock analyses:	265843, 265844, 265845. GGU (unpublished)
Mineral analyses:	
Modal analyses:	
Rb-Sr data:	
K-Ar data:	
Comments:	
References:	Larsen (1979)

Locality no:	66V2.10
Coordinates:	66.56925 -51.52632
Place name:	Mountain side N of Sarfartôq valley.
Rock type:	Kimberlite
Field description:	Loose blocks in scree and thin brown veins in joint system orientated 20-40/30E.
Primary locality:	
Samples:	265831
Rock analyses:	265831. GGU (unpublished)

Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.11
Coordinates: 66.49137 -51.72888
Place name: Sarfartôq main valley, north side.
Rock type: Kimberlite
Field description: Dyke 20 cm thick, orientated 15/30E. Bluish finegrained marginal zones, rusty central zone. Rather altered.
Primary locality: Larsen (1979) loc. 154
Samples: 265396 (loose)
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.12
Coordinates: 66.49861 -51.66840
Place name: Sarfartôq main valley, north side.
Rock type: Kimberlite
Field description: Thin brown veins in joint plane orientated 20/20E.
Primary locality: Larsen (1979) loc. 160
Samples: 265406
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.13
Coordinates: 66.49379 -51.66245
Place name: Sarfartôq main valley, north side.
Rock type: Kimberlite
Field description: Thin veins and two dykes, 25 cm and 40 cm thick, in joints orientated c. 0/40E.
Primary locality: Larsen (1979) loc. 161-162
Samples: 265407 - 265411
Rock analyses: 265408, 265410. GGU (unpublished)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.14
Coordinates: 66.49242 -51.64602
Place name: Sarfartôq main valley, north side.
Rock type: Kimberlite
Field description: Several dykes in east-dipping joint system.
Primary locality: Larsen (1979) loc. 163-164
Samples: 265412 - 265414
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.15
Coordinates: 66.47725 -51.67305
Place name: Sarfartôq main valley, south side.
Rock type: Kimberlite
Field description: Talus slope with many kimberlite blocks, both small rusty-brown stones and larger grey-green blocks up to 60 cm large.
Primary locality: Larsen (1979) loc. 148
Samples: 265386 - 265390
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.16
Coordinates: 66.47451 -51.63730
Place name: Sarfartôq main valley, south side.
Rock type: Kimberlite
Field description: Large rock glacier with material from the small valley behind it; contains many rusty-brown stones and a few larger grey-green blocks up to 30 cm large.
Primary locality: Larsen (1979) loc. 147
Samples: 265379 - 265385
Rock analyses: 265381, 265384. GGU (unpublished)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.17
Coordinates: 66.47532 -51.61105

Place name: Sarfartôq main valley, south side.
Rock type: Kimberlite
Field description: Several dykes in east-dipping joint system orientated c. 30/50E but somewhat variable. Narrow brown veins and larger grey-green dykes up to 50 cm thick.
Primary locality: Larsen (1979) loc. 138-141
Samples: 265355 - 265364
Rock analyses: 265358. GGU (unpublished)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.18
Coordinates: 66.47262 -51.52975
Place name: Side valley to Sarfartôq main valley, south side.
Rock type: Kimberlite
Field description: Front of broad rock glacier, with material slid down in semi-coherent condition. Remains of a large kimberlite dyke over 1 m thick. 10 cm thick marginal zones and inclusion-rich central part. Also loose blocks from other dykes.
Primary locality: Larsen (1979) loc. 131-132
Samples: 265344 - 265347
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.19
Coordinates: 66.46850 -51.53214
Place name: Side valley to Sarfartôq main valley, south side.
Rock type: Kimberlite
Field description: Front of rock glacier. A large gneiss block contains an 8 cm thick dyke of mica-rich kimberlite.
Primary locality: Larsen (1979) loc. 133
Samples: 265348
Rock analyses: 265348. GGU (unpublished)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.20
Coordinates: 66.47113 -51.51962
Place name: Side valley to Sarfartôq main valley, south side.

Rock type: Kimberlite
Field description: Dyke, 20-30 cm thick, orientated 0/30E, parallel to the valley side.
Primary locality: Larsen (1979) loc. 135
Samples: 265353 - 265354
Rock analyses: 265353. GGU (unpublished)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.21
Coordinates: 66.46530 -51.52041
Place name: Side valley to Sarfartôq main valley, south side.
Rock type: Kimberlite
Field description: Large dyke 50-70 cm thick, in a prominent 1.5 m broad crevasse that can be followed toward east over the valley side, orientated 62/70E.
Primary locality: Larsen (1979) loc. 134
Samples: 265349 - 265352
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.22
Coordinates: 66.49701 -51.56053
Place name: Sarfartôq main valley, north side.
Rock type: Kimberlite
Field description: Talus cones with loose blocks of kimberlite, originating from the steep valley side above.
Primary locality: Larsen (1979) loc. 143
Samples: 265365 - 265369
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.23
Coordinates: 66.50179 -51.52691
Place name: Sarfartôq main valley, north side.
Rock type: Kimberlite
Field description: Talus cones with loose blocks of kimberlite, originating from the steep valley side above.
Primary locality: Larsen (1979) loc. 144

Samples: 265370 - 265376
Rock analyses: 265376. GGU (unpublished)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.24
Coordinates: 66.50620 -51.47570
Place name: Sarfartôq main valley, north side.
Rock type: Kimberlite
Field description: Talus cones with loose blocks of kimberlite, one very large (120x85x25 cm), very altered. Also blocks of beforsite agglomerate.
Primary locality: Larsen (1979) loc. 145
Samples: 265377 of olivine-rich kimberlite
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.25
Coordinates: 66.50852 -51.42871
Place name: Sarfartôq main valley, north side.
Rock type: Kimberlite
Field description: Talus cones with loose blocks of kimberlite, beforsite and beforsite agglomerate. In situ dyke, 15 cm thick, orientation 32/78E. In situ dyke 60 cm thick, rusty, altered, orientated 10/60E.
Primary locality: Larsen (1979) loc. 236
Samples: 265852 - 265865. 265862 - 265863 from large dyke
Rock analyses: 265853, 265855, 265862. GGU (unpublished)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.26
Coordinates: 66.50909 -51.38820
Place name: Sarfartôq main valley, north side.
Rock type: Kimberlite
Field description: Talus cones with loose blocks of brown, carbonate-rich rocks, kimberlite and/or beforsite. In situ dykes 8-15 cm thick, in east-dipping joint system with general orientation 0/70E.
Primary locality: Larsen (1979) loc. 231

Samples: 265836 - 265838
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.27
Coordinates: 66.50976 -51.37583
Place name: Sarfartôq main valley, north side.
Rock type: Kimberlite
Field description: Dyke 10-30 cm thick orientated 150/40E of dark brown carbonate-rich rock. Sidewall red-stained, strongly parallel-jointed, partly brecciated.
Primary locality: Larsen (1979) loc. 230
Samples: 265834 - 265835
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.28
Coordinates: 66.50946 -51.35489
Place name: Sarfartôq main valley, north side.
Rock type: Kimberlite
Field description: Dyke 10 cm thick, orientated 35/65E.
Primary locality: Larsen (1979) loc. 227
Samples: 265832 - 265833
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.29
Coordinates: 66.52656 -51.34100
Place name: Side valley to Sarfartôq main valley, north side.
Rock type: Kimberlite
Field description: Dyke up to 70 cm thick, in red agglomeratic host rock. Rock light grey-green, strongly altered, cut by joints and faults related to the carbonatite intrusion. The dyke splits up in two and pinches out upwards.
Primary locality: Larsen (1979) loc. 10
Samples: 120668, 223854-223855, 265115-265116, 265146-265147
Rock analyses:
Mineral analyses:

Modal analyses:
Rb-Sr data:
K-Ar data: A K-Ar age of 584 +- 18 Ma for separated phlogopite from 120668 is given by Bridgwater (1971), and recalculated to 593 +- 18 Ma by Larsen et al. (1983)
Comments: This dyke shares many features with those at loc. 66V2.31
References: Bridgwater (1971), Escher & Watterson (1973), Secher (1977), Larsen (1979), Larsen et al. (1983)

Locality no: 66V2.30
Coordinates: 66.53123 -51.27146
Place name: Plateau north of Sarfartôq main valley.
Rock type: Kimberlite
Field description: Up to 50 cm thick N-S-running, steeply east-dipping dykes and veins.
Primary locality: Larsen (1979) loc. 8
Samples: 265112
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.31
Coordinates: 66.50233 -51.29985
Place name: Plateau edge facing Sarfartôq main valley.
Rock type: Kimberlite
Field description: Two large dykes, 60 cm and >1 m thick, exposed over 20-30 m vertically. Orientation 110/75NE. Both dykes pinch out upwards. The rock is strongly altered, with many inclusions.
Primary locality: Larsen (1979) loc. 22
Samples: 253752, 265141, 265142
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments: These dykes share many features with that at loc. 66V2.29
References: Larsen (1979), GGU (unpublished)

Locality no: 66V2.32
Coordinates: 66.51452 -51.27279
Place name: Plateau above Sarfartôq main valley, north side.
Rock type: Kimberlite
Field description: Diatreme-like feature 10x25 m. Breccia of micaceous kimberlite with inclusions of carbonatite and fenite.
Primary locality: Larsen (1979) loc. 146. Secher (1979) loc. 33-83
Samples: 265378, 266434
Rock analyses:
Mineral analyses:

Modal analyses:
Rb-Sr data:
K-Ar data:
Comments: This diatreme is connected with those in the following two localities
References: Larsen (1979), Secher (1979)

Locality no: 66V2.33
Coordinates: 66.51008 -51.24730
Place name: North side of Sarfartôq main valley.
Rock type: Kimberlite
Field description: A row of at least four small elongated diatremes, 4-10 m x 2-3 m in size, of micaceous kimberlite, all cutting a common kimberlite dyke orientated 130-160/40-50NE.
Primary locality: Secher (1979) locs. 33-249 to 33-252. Nielsen (1979) loc. 12-8-6
Samples: 265539, 266508, 266510 (dyke); 265540, 266509, 266511, 266512 (diatremes)
Rock analyses: 266509. GGU (unpublished)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments: This locality is connected with those in locs. 32 and 34
References: Nielsen (1979), Secher (1979)

Locality no: 66V2.34
Coordinates: 66.50768 -51.23196
Place name: Bottom of Sarfartôq main valley, at foot of N-slope.
Rock type: Kimberlite
Field description: Diatreme-like feature 30-40 m across. Central part of bronze-coloured, inclusion-filled, micaceous rock; one garnet crystal observed on surface. Marginal part an intrusion breccia with carbonatite blocks in dark, micaceous matrix.
Primary locality: Secher (1977) loc. 33-64. Larsen (1979) loc. 40
Samples: 225373-225375, 252801-252802, 265178-265185
Rock analyses: 225373, 265181. GGU (unpublished)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments: This locality is connected with those in the two previous localities
References: Secher (1977), Larsen (1979)

Locality no: 66V2.35
Coordinates: 66.50966 -51.18673
Place name: Sarfartôq main valley.
Rock type: Shonkinite
Field description: A large moraine block, c. 1 m3, with up to 15 cm large feldspar megacrysts. Evidently transported some distance.
Primary locality: Larsen (1979) loc. 11

Samples: 265119, 276412
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979), Nielsen (1979)

Locality no: 66V2.36
Coordinates: 66.56143 -51.09886
Place name: North-running main valley east of Sarfartôq.
Rock type: Kimberlite
Field description: Loose blocks of local origin, from top of talus cones under the steep valley side.
Primary locality: Larsen (1979) loc. 52-53)
Samples: 265203 - 265205
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.37
Coordinates: 66.55623 -51.09589
Place name: North-running main valley east of Sarfartôq.
Rock type: Kimberlite
Field description: Dyke in valley side, rather irregular.
Primary locality: Larsen (1979) loc. 54
Samples: 265207 - 265209
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.38
Coordinates: 66.55282 -51.09655
Place name: North-running main valley east of Sarfartôq.
Rock type: Kimberlite
Field description: Thin kimberlite vein orientated 62/90. On top of talus cone loose local blocks from thicker dykes.
Primary locality: Larsen (1979) loc. 55
Samples: 265210 - 265212
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:

Comments:
References: Larsen (1979)

Locality no: 66V2.39
Coordinates: 66.54921 -51.10170
Place name: North-running main valley east of Sarfartôq.
Rock type: Kimberlite
Field description: Rather flat-lying kimberlite sheet c. 40 cm thick, orientated 0/30-35W. Several 1-15 cm thick parallel veins. Brown margins and dark grey central parts.
Primary locality: Larsen (1979) loc. 56-57
Samples: 265214 - 265218
Rock analyses: 265214, 265215. GGU (unpublished)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.40
Coordinates: 66.54417 -51.10866
Place name: North-running main valley east of Sarfartôq.
Rock type: Shonkinite, kimberlite, basanite
Field description: Shonkinite dyke, 2-3 m thick, orientation 130/60SW. Metre-sized blocks in talus cone. The rock is full of inclusions; there are no good internal structures. The dyke cuts, with some difficulties (narrowing), through a kangâmiut-dyke. It is itself cut by veins and small dykes of both beforsite and kimberlite and a fine-grained black rock. A loose block shows the following succession: Shonkinite is cut by small black dyke, and both are cut by beforsite veins.
Primary locality: Larsen (1979) loc. 60
Samples: 265222-265224: Kimberlite. 265225, 265227-265229: Shonkinite. 265226: Small black dyke.
Rock analyses: 265224, 265226, 265227. GGU (unpublished)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data: Separated phlogopite from 265227 gave 1974 +- 60 Ma (Larsen et al. 1983)
Comments: The small black dyke is basanitic (265226).
References: Larsen (1979), Larsen et al. (1983)

Locality no: 66V2.41
Coordinates: 66.53968 -51.11494
Place name: North-running main valley east of Sarfartôq.
Rock type: Shonkinite
Field description: Several large blocks in talus cones.
Primary locality: Larsen (1979) loc. 49-50
Samples: 265200 - 265201
Rock analyses: 265200. GGU (unpublished)
Mineral analyses:

Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.42
Coordinates: 66.54393 -51.09378
Place name: North-running main valley east of Sarfartôq.
Rock type: Kimberlite
Field description: Narrow dykes in joints, N-S oriented, with steep dips toward both E and W.
Primary locality: Larsen (1979) loc. 47-48
Samples:
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.43
Coordinates: 66.53996 -51.09803
Place name: North-running main valley east of Sarfartôq.
Rock type: Shonkinite
Field description: Dyke, 0.5-1 m thick, orientation 170/90. The rock is strongly sheared, with ill-defined margins. Up to 3 cm feldspar megacrysts.
Primary locality: Larsen (1979) loc. 46
Samples: 265196 - 265197
Rock analyses: 265197. GGU (unpublished)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.44
Coordinates: 66.53500 -51.11603
Place name: North-running main valley east of Sarfartôq.
Rock type: Kimberlite
Field description: Transported blocks up to 25 cm large in stream bed.
Primary locality: Larsen (1979) loc. 42
Samples: 265188
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.45
Coordinates: 66.53258 -51.11555
Place name: North-running main valley east of Sarfartôq.
Rock type: Kimberlite
Field description: Dykes up to 15 cm thick, orientations 80/72S and 20/20E.
Primary locality: Larsen (1979) locs. 70-71
Samples: 265243 - 265245, 265252
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.46
Coordinates: 66.53574 -51.10003
Place name: North-running main valley east of Sarfartôq.
Rock type: Kimberlite
Field description: Local blocks in talus slopes. Several dykes in situ, 5-20 cm thick, with general orientation 0/50W.
Primary locality: Larsen (1979) locs. 73-74
Samples: 265248 - 265251
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.47
Coordinates: 66.53834 -51.10568
Place name: North-running main valley east of Sarfartôq.
Rock type: Shonkinite
Field description: Dyke 0-40 cm thick, sheared, with oblique jointing.
Primary locality: Larsen (1979) loc. 44
Samples: 265190 - 265194
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.48
Coordinates: 66.54983 -51.00385
Place name: Eastern side valley to Sarfartôq main valley.
Rock type: Kimberlite

Field description: Blocks in talus cone and in situ dykes orientated appr. 0/20W.
Primary locality: Larsen (1979) locs. 201-202
Samples: 265499, 265801 - 265804
Rock analyses: 265499, 265801. GGU (unpublished)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.49
Coordinates: 66.55272 -50.99687
Place name: Eastern side valley to Sarfartôq main valley.
Rock type: Shonkinite
Field description: Large dyke 2 m thick, but narrowing upwards to 0.5 m. Orientation 165/80SW.
Primary locality: Larsen (1979) loc. 200
Samples: 265495 - 265498
Rock analyses: 265496. GGU (unpublished)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data: Separated phlogopite from 265496 gave an age of 1786 +- 54 Ma (Larsen et al., 1983)
Comments:
References: Larsen (1979), Larsen et al. (1983)

Locality no: 66V2.50
Coordinates: 66.55272 -50.98763
Place name: Eastern side valley to Sarfartôq main valley.
Rock type: Kimberlite
Field description: West-dipping joint system with rusty veins.
Primary locality: Larsen (1979) loc. 203
Samples: 265500
Rock analyses: 265500. GGU (unpublished)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.51
Coordinates: 66.53478 -51.14757
Place name: Sarfartôq main valley, where it bends northwards.
Rock type: Kimberlite
Field description: Dyke at least 30 cm thick. Loose block?
Primary locality: Nielsen (1979) loc. 31-3
Samples: 265051
Rock analyses:
Mineral analyses:

Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Nielsen (1979)

Locality no: 66V2.52
Coordinates: 66.52102 -51.15893
Place name: Sarfartôq main valley, south side.
Rock type: Kimberlite
Field description: Loose block 20x20x20 cm.
Primary locality: Larsen (1979) loc. 69
Samples: 265242
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.53
Coordinates: 66.51735 -51.15033
Place name: Entrance to Qôruluarqap kûa.
Rock type: Shonkinite
Field description: Two dykes, 0.5 m and 1 m thick. Orientations 155/80SW and 160/70 SW. Some shearing.
Primary locality: Larsen (1979) locs. 37, 39, 62
Samples: 265162, 265165, 265231, 265232
Rock analyses: 265162, 265231, 625232. GGU (unpublished)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.54
Coordinates: 66.51458 -51.14469
Place name: Entrance to Qôruluarqap kûa.
Rock type: Kimberlite
Field description: Loose blocks 20-30 cm large, probably transported.
Primary locality: Larsen (1979) loc. 68
Samples: 265241
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.55
Coordinates: 66.51827 -51.13571
Place name: Entrance to Qôruluarqap kûa.
Rock type: Shonkinite
Field description: Dyke 50-70 cm thick, orientated 155/70SW. Some shearing and carbonatisation, especially in the marginal parts.
Primary locality: Larsen (1979) loc. 35
Samples: 265155-265158, 265160
Rock analyses: 265155. GGU (unpublished)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.56
Coordinates: 66.51316 -51.13049
Place name: Entrance to Qôruluarqap kûa.
Rock type: Shonkinite
Field description: Dyke 10-30 cm thick, orientation 150/82SW. Sheared.
Primary locality: Larsen (1979) loc. 75
Samples: 265254
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments: This dyke is probably the same as that in loc. 66V2.55
References: Larsen (1979)

Locality no: 66V2.57
Coordinates: 66.51983 -51.11410
Place name: Entrance to Qôruluarqap kûa.
Rock type: Kimberlite
Field description: Loose block, transported.
Primary locality: Larsen (1979) loc. 63
Samples: 265233
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.58
Coordinates: 66.51832 -51.09900
Place name: Entrance to Qôruluarqap kûa.
Rock type: Kimberlite
Field description: Several thin rusty veins and one 20 cm thick dyke, in joint system orientated 135-155/20-55SW.

Primary locality: Larsen (1979) locs. 64-65
Samples: 265234-265239, 276961
Rock analyses: 265234, GGU (unpublished)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979), Nielsen (1979)

Locality no: 66V2.59
Coordinates: 66.51175 -51.11381
Place name: Entrance to Qôruluarqap kûa.
Rock type: Kimberlite
Field description: Thin vein orientated 0/40W. Also loose blocks in stream bed.
Primary locality: Larsen (1979) locs. 76-77
Samples: 265255, 265257
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.60
Coordinates: 66.51131 -51.09625
Place name: Entrance to Qôruluarqap kûa.
Rock type: Kimberlite
Field description: Dyke c. 1 m thick, orientated 126/80NE, well exposed.
Primary locality: Larsen (1979) loc. 82
Samples: 265265-265267
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.61
Coordinates: 66.51025 -51.08094
Place name: Entrance to Qôruluarqap kûa.
Rock type: Kimberlite
Field description: Blocks in stream bed, transported.
Primary locality: Larsen (1979) loc. 78
Samples: 265258
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:

Comments:
References: Larsen (1979)

Locality no: 66V2.62
Coordinates: 66.50847 -51.07485
Place name: Entrance to Qôruluarqap kûa.
Rock type: Kimberlite
Field description: Two dykes, one 30-40 cm thick orientated 70/80S, the other 60 cm thick orientated 60/90.
Primary locality: Larsen (1979) locs. 79-80
Samples: 265261-265263
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.63
Coordinates: 66.50183 -51.05995
Place name: Entrance to Qôruluarqap kûa.
Rock type: Kimberlite
Field description: Transported blocks in terrace at lake shore.
Primary locality: Larsen (1979) loc. 81
Samples: 265264
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.64
Coordinates: 66.50537 -51.01248
Place name: Qôruluarqap kûa
Rock type: Kimberlite
Field description: Several thin rusty veins up to 10 cm thick, in joint system orientated appr. 10/25W. Many loose blocks in local talus.
Primary locality: Larsen (1979) loc. 194
Samples: 265486-265489
Rock analyses: 265487. GGU (unpublished)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.65
Coordinates: 66.50664 -50.99944
Place name: Qôruluarqap kûa
Rock type: Kimberlite and shonkinite
Field description: Two rusty kimberlite veins 10 cm thick, orientated 60/60NW. Talus cone with local blocks of kimberlite and shonkinite up to 40 cm in size.
Primary locality: Larsen (1979) loc. 195
Samples: 265490 (kimberlite), 265491-265492 (shonkinite)
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.66
Coordinates: 66.50897 -50.98841
Place name: Qôruluarqap kûa
Rock type: Kimberlite
Field description: Thin veins up to 20 cm thick in joint system. Also talus cone with local blocks of kimberlite with megacrysts and peridotite nodules.
Primary locality: Larsen (1979) loc. 196-197
Samples: 265493-265494
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.67
Coordinates: 66.50718 -50.95937
Place name: Qôruluarqap kûa
Rock type: Kimberlite
Field description: Thin veins 0-10 cm thick in prominent west-dipping joint system orientated c. 10/30W.
Primary locality: Larsen (1979) loc. 193
Samples:
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.68
Coordinates: 66.51078 -50.94565
Place name: Qôruluarqap kûa

Rock type: Kimberlite
Field description: Loose local blocks with inch-size inclusions and garnet.
Primary locality: Larsen (1979) loc. 188
Samples: 265474
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.69
Coordinates: 66.51132 -50.93529
Place name: Qôruluarqap kûa
Rock type: Kimberlite
Field description: Dyke 50 cm thick, orientated 10/30W.
Primary locality: Larsen (1979) loc. 187
Samples: 265472-265473
Rock analyses: 265472, 265473, GGU (unpublished)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.70
Coordinates: 66.51114 -50.92944
Place name: Qôruluarqap kûa
Rock type: Shonkinite
Field description: Dyke c. 1 m thick orientated 140/70SW. Many inclusions of gneiss. Weird east contact with very coarse-grained facies.
Primary locality: Larsen (1979) loc. 186
Samples: 265469-265471
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.71
Coordinates: 66.51150 -50.92426
Place name: Qôruluarqap kûa
Rock type: Kimberlite
Field description: Dykes and veins up to 20 cm thick, in west dipping joint system 0/30W.
Primary locality: Larsen (1979) loc. 185
Samples: 265467-265468
Rock analyses:

Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.72
Coordinates: 66.51159 -50.91097
Place name: Qôruluarqap kûa
Rock type: Kimberlite
Field description: Many veins and dykes up to 50 cm thick in regional joint system orientated 0-30/20-40W.
Primary locality: Larsen (1979) loc. 184 and 189
Samples: 265459-265466, 265475-265477
Rock analyses: 265475, 265476, 265477. GGU (unpublished)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.73
Coordinates: 66.51230 -50.89702
Place name: Qôruluarqap kûa
Rock type: Kimberlite
Field description: Two dykes. One 50 cm thick orientated 30/30-40W, followed over 50 m. Many internal structures, several intrusion phases. The other c. 50 cm thick, not well exposed, mainly loose blocks.
Primary locality: Larsen (1979) locs. 190 and 191
Samples: 265478-265483 (dyke one), 265484 (dyke two)
Rock analyses: 265478, 265480. GGU (unpublished)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data: Separated phlogopite from 265481 gave an age of 604 +- 18 Ma.
Comments:
References: Larsen (1979), Larsen et al. (1983)

Locality no: 66V2.74
Coordinates: 66.51186 -50.88508
Place name: Qôruluarqap kûa
Rock type: Kimberlite
Field description: Stream bed with kimberlite boulders up to 40 cm large.
Primary locality: Larsen (1979) loc. 192
Samples: 265485
Rock analyses: 265485. GGU (unpublished)
Mineral analyses:
Modal analyses:
Rb-Sr data:

K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.75
Coordinates: 66.50557 -50.87474
Place name: Qôruluarqap kûa
Rock type: Kimberlite
Field description: Dyke 15 cm thick orientated 40/30W.
Primary locality: Larsen (1979) loc. 204
Samples: 265805
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.76
Coordinates: 66.50985 -50.81778
Place name: Qôruluarqap kûa
Rock type: Kimberlite
Field description: Dyke c. 50 cm thick, orientated 20/30 W.
Primary locality: Larsen (1979) loc. 209
Samples: 265813
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.77
Coordinates: 66.50591 -50.82838
Place name: Qôruluarqap kûa
Rock type: Kimberlite
Field description: Several veins and dykes up to 30 cm thick, in the regional, west-dipping joint system.
Primary locality: Larsen (1979) locs. 206-207
Samples: 265810-265812
Rock analyses: 265812. GGU (unpublished)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.78

Coordinates: 66.50178 -50.84166
Place name: Qôruluarqap kûa
Rock type: Kimberlite
Field description: Three dykes. 1: 15 cm thick orientated 140/10SW. 2: 50 cm thick orientated 90/17N, with inclusion-filled centre. 3: just a joint zone with loose blocks.
Primary locality: Larsen (1979) loc. 205 (1-2) and loc. 210 (3)
Samples: 265806 (dyke 1), 265807-265809 (dyke 2), 265814 (dyke 3)
Rock analyses: 265807, 265808. GGU (unpublished)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data: Separated phlogopite from 265807 gave an age of 598 +- 18 Ma.
Comments:
References: Larsen (1979); Larsen et al. (1983)

Locality no: 66V2.79
Coordinates: 66.49563 -50.83537
Place name: Qôruluarqap kûa
Rock type: Kimberlite
Field description: Dyke 40 cm thick, orientated 40/30NW.
Primary locality: Larsen (1979) loc. 219
Samples: 265824
Rock analyses: 265824. GGU (unpublished)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.80
Coordinates: 66.49257 -50.82506
Place name: Qôruluarqap kûa
Rock type: Kimberlite
Field description: Dyke 50 cm thick orientated 15/25W. Many parallel veins.
Primary locality: Larsen (1979) loc. 218
Samples: 265823
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.81
Coordinates: 66.48852 -50.81635
Place name: Qôruluarqap kûa
Rock type: Kimberlite
Field description: Two dykes. 1: 40 cm thick orientated 60-76/20-30N 2: Strip of rotated blocks from badly exposed dyke.

Primary locality: Larsen (1979) loc. 216 (dyke 1) and 217 (dyke 2)
Samples: 265820 (dyke 1), 265821-265822 (dyke 2)
Rock analyses: 265820. GGU (unpublished)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.82
Coordinates: 66.48635 -50.80739
Place name: Qôruluarqap kûa
Rock type: Kimberlite
Field description: Several veins and dykes up to 20 cm thick, in west-dipping joint system.
Primary locality: Larsen (1979) loc. 214-215
Samples: 265818-265819
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.83
Coordinates: 66.48329 -50.80001
Place name: Qôruluarqap kûa
Rock type: Kimberlite
Field description: Rusty vein 1-3 cm thick orientated 90/50S.
Primary locality: Larsen (1979) loc. 213
Samples: 265817
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.84
Coordinates: 66.48130 -50.79106
Place name: Qôruluarqap kûa
Rock type: Kimberlite
Field description: Dyke c. 50 cm thick orientated 0/20-30W. Marginal zones with pipe vesicles growing upwards.
Primary locality: Larsen (1979) loc. 212
Samples: 265815-265816
Rock analyses: 265816. GGU (unpublished)
Mineral analyses:
Modal analyses:
Rb-Sr data:

K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.85
Coordinates: 66.44702 -51.09815
Place name: Qôrulûp kûa
Rock type: Kimberlite
Field description: Loose block.
Primary locality: Larsen (1979) loc. 97
Samples: 265285
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.86
Coordinates: 66.44191 -51.08402
Place name: Qôrulûp kûa
Rock type: Kimberlite
Field description: Loose block, transported.
Primary locality: Larsen (1979) loc. 96
Samples: 265284
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.87
Coordinates: 66.44210 -51.07079
Place name: Qôrulûp kûa
Rock type: Kimberlite
Field description: Many loose blocks of local origin, up to 70x60x20 cm large. No large dykes seen in situ, but they must be there.
Primary locality: Larsen (1979) loc. 98-99
Samples: 265286-265297
Rock analyses: 265293. GGU (unpublished)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.88
Coordinates: 66.43509 -51.06788
Place name: Qôrulûp kûa
Rock type: Kimberlite
Field description: Thin veins in the regional joint system, orientated 40-60/30-50NW. Also veins orientated 140-155/65-80E Also loose blocks.
Primary locality: Larsen (1979) loc. 95 and 237
Samples: 265283, 265866-265867
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.89
Coordinates: 66.47901 -51.38058
Place name: Plateau south of Sarfartôq main valley.
Rock type: Lamprophyre ?
Field description: Loose block.
Primary locality: Secher (1977) loc. 34-35
Samples: 225258
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Secher (1977)

Locality no: 66V2.90
Coordinates: 66.46674 -51.31469
Place name: South of Sarfartôq main valley.
Rock type: Kimberlite
Field description: Loose block, local.
Primary locality: Larsen (1979) loc. 92
Samples: 265279
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.91
Coordinates: 66.46151 -51.38328
Place name: Sarfartôq
Rock type: Kimberlite
Field description: Loose blocks in river bed; transported.
Primary locality: Larsen (1979) loc. 90

Samples: 265275
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.92
Coordinates: 66.45472 -51.37243
Place name: Sarfartôq
Rock type: Kimberlite
Field description: Loose blocks in river bed; transported. One with a fine garnet.
Primary locality: Larsen (1979) loc. 91
Samples: 265276-265277
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.93
Coordinates: 66.44481 -51.29295
Place name: South of Sarfartôq main valley.
Rock type: Kimberlite
Field description: Loose block, sheared.
Primary locality: Larsen (1979) loc. 93
Samples: 265280
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.94
Coordinates: 66.43972 -51.27677
Place name: South of Sarfartôq main valley.
Rock type: Kimberlite
Field description: Dyke c. 1 m thick, cut by carbonatite dykes. Loose blocks in the neighbourhood.
Primary locality: Larsen (1979) loc. 94
Samples: 265033, 265281 (loose)
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:

Comments:
References: Nielsen (1979), Larsen (1979)

Locality no: 66V2.95
Coordinates: 66.44333 -51.31804
Place name: East of Sarfartôq canyon.
Rock type: Kimberlite
Field description: Two dykes 30-40 cm wide orientated 0-20/60-70E. Badly exposed and altered.
Primary locality: Larsen (1979) loc. 88
Samples: 265272
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.96
Coordinates: 66.44075 -51.31129
Place name: East of Sarfartôq canyon.
Rock type: Kimberlite
Field description: 1 m wide, deep crack orientated 75/85S. Many loose kimberlite blocks in the crack.
Primary locality: Larsen (1979) loc. 89
Samples: 265273-265274, 265298
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.97
Coordinates: 66.43833 -51.30477
Place name: East of Sarfartôq canyon.
Rock type: Kimberlite
Field description: Several dykes 10-30 cm thick. One orientated 16/62E.
Primary locality: Larsen (1979) locs. 100, 101 and 102
Samples: 265299-265302
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.98

Coordinates: 66.43565 -51.29713
Place name: East of Sarfartôq canyon.
Rock type: Kimberlite
Field description: Thin dyke, badly exposed, orientated 45/80NW.
Primary locality: Larsen (1979) loc. 103
Samples: 265303-265304
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.99
Coordinates: 66.43396 -51.28860
Place name: East of Sarfartôq canyon.
Rock type: Kimberlite
Field description: Dyke 20 cm thick, strongly altered, orientated 04/64E.
Primary locality: Larsen (1979) loc. 104
Samples: 265305
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.100
Coordinates: 66.43147 -51.33294
Place name: East of Sarfartôq canyon.
Rock type: Kimberlite
Field description: Dyke 8 cm thick orientated 134/44N.
Primary locality: Larsen (1979) loc. 121
Samples: 265333
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.101
Coordinates: 66.43126 -51.34728
Place name: East of Sarfartôq canyon.
Rock type: Kimberlite
Field description: Loose blocks, may be transported. Fresh, olivine-rich. kimberlite
Primary locality: Larsen (1979) loc. 105
Samples: 265307-265308
Rock analyses:

Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.102
Coordinates: 66.42390 -51.35033
Place name: East of Sarfartôq canyon.
Rock type: Kimberlite
Field description: Dyke 30-50 cm thick orientated 8/56E.
Primary locality: Larsen (1979) loc. 118
Samples: 265331
Rock analyses: 265331. GGU (unpublished)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.103
Coordinates: 66.42647 -51.36671
Place name: Sarfartôq canyon.
Rock type: Kimberlite
Field description: Many loose, rolled boulders in river bed.
Primary locality: Larsen (1979) loc. 106
Samples: 265312-265318
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.104
Coordinates: 66.42325 -51.36981
Place name: Sarfartôq canyon.
Rock type: Kimberlite
Field description: Two dykes c. 25 cm thick orientated 120-140/25NE.
One dyke 10-15 cm thick orientated 50/66NW, faulted.
Primary locality: Larsen (1979) loc. 107-108
Samples: 265309-265311
Rock analyses: 265311 (faulted dyke). GGU (unpublished)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.105
Coordinates: 66.42100 -51.37135
Place name: Sarfartôq canyon
Rock type: Kimberlite
Field description: Two dykes 7-15 cm thick orientated 156/30NE and 26/60E.
Primary locality: Larsen (1979) loc. 110-111
Samples: 265319-265320
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.106
Coordinates: 66.41652 -51.37085
Place name: Sarfartôq canyon.
Rock type: Kimberlite
Field description: Loose rolled boulders in river bed. Also several dykes in situ, orientated 120-130/50-90NE.
Primary locality: Larsen (1979) loc. 112
Samples: 265321-265323 (265323 is a boulder)
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.107
Coordinates: 66.42334 -51.36175
Place name: Sarfartôq canyon.
Rock type: Kimberlite
Field description: Two thin dykes 1-10 cm thick orientated 140/40NE and 70/50NW.
Primary locality: Larsen (1979) loc. 115-116
Samples: 265327-265329
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.108
Coordinates: 66.42111 -51.36239
Place name: Sarfartôq canyon.
Rock type: Kimberlite

Field description: Dyke 20 cm thick orientated 79/52N. Inclusions with garnet.
Primary locality: Larsen (1979) loc. 114
Samples: 265325-265326
Rock analyses: 265326. GGU (unpublished)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.109
Coordinates: 66.41679 -51.36368
Place name: Sarfartôq canyon.
Rock type: Kimberlite
Field description: Dyke 10 cm thick orientated 56/80NW. Altered.
Primary locality: Larsen (1979) loc. 113
Samples: 265324
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.110
Coordinates: 66.41414 -51.39321
Place name: Western side valley to Sarfartôq canyon.
Rock type: Kimberlite
Field description: Rolled boulders in stream bed.
Primary locality: Larsen (1979) loc. 124
Samples: 265335-265336
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.111
Coordinates: 66.41153 -51.40101
Place name: Western side valley to Sarfartôq canyon.
Rock type: Kimberlite
Field description: Vein swarm orientated 140/55 NE. Many rolled boulders in stream bed, some with garnet.
Primary locality: Larsen (1979) locs. 125-126
Samples: 265337 (vein swarm), 265338 (boulder)
Rock analyses:
Mineral analyses:
Modal analyses:

Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.112
Coordinates: 66.40944 -51.40546
Place name: Western side valley to Sarfartôq canyon.
Rock type: Kimberlite
Field description: Rolled boulders in stream bed.
Primary locality: Larsen (1979) loc. 127
Samples: 265339
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.113
Coordinates: 66.40603 -51.41280
Place name: Western side valley to Sarfartôq canyon.
Rock type: Kimberlite
Field description: Rolled boulders in stream bed. Ome with large garnet megacryst.
Primary locality: Larsen (1979) loc. 128
Samples: 265340-265341
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.114
Coordinates: 66.40008 -51.42212
Place name: Western side valley to Sarfartôq canyon.
Rock type: Kimberlite
Field description: Rolled boulders in stream bed.
Primary locality: Larsen (1979) loc. 129-130
Samples: 265342-265343
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.115
Coordinates: 66.36930 -51.50170
Place name: Plateau west of Sarfartôq canyon.
Rock type: Kimberlite
Field description: Dyke.
Primary locality:
Samples:
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments: Very uncertain localisation.
References: Escher & Watterson (1973)

Locality no: 66V2.116
Coordinates: 66.35980 -51.34090
Place name: Sarfartôq canyon.
Rock type: Kimberlite
Field description: Dyke 20 cm thick orientated 110-120/20N. Thin brown vein 3 cm thick orientated 20/86W.
Primary locality: Larsen (1979) loc. 173
Samples: 265440 (dyke), 265441 (vein)
Rock analyses: 265440. GGU (unpublished)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.117
Coordinates: 66.35097 -51.36403
Place name: Sarfartôq canyon.
Rock type: Kimberlite
Field description: 3-4 dykes up to 40 cm thick. Two different directions: 50/76NW and 150/40NE. No cutting relations exposed.
Primary locality: Larsen (1979) loc. 170, 171 and 172
Samples: 265434-265438. 265439: a rolled boulder
Rock analyses: 265434. GGU (unpublished)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.118
Coordinates: 66.34782 -51.37158
Place name: Sarfartôq canyon.
Rock type: Kimberlite
Field description: Several dykes/veins 2-10 cm thick orientated 110-124/44-60NE.

Primary locality: Larsen (1979) loc. 168
Samples: 265432
Rock analyses: 265432. GGU (unpublished)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.119
Coordinates: 66.34574 -51.37670
Place name: Sarfartôq canyon.
Rock type: Kimberlite
Field description: Prominent joints orientated 96-120/20-26N. Some joints are empty, others contain kimberlite dykes.
Primary locality: Larsen (1979) loc. 167
Samples: 265431
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.120
Coordinates: 66.33979 -51.39113
Place name: Sarfartôq canyon.
Rock type: Kimberlite
Field description: Dyke c. 15 cm thick orientated 120-140/25NE. Bad exposure. Rolled boulders in river bed, with garnet peridotite nodules.
Primary locality: Larsen (1979) loc. 166
Samples: 265429 (dyke), 265428, 265430 (loose)
Rock analyses: 265429. GGU (unpublished)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.121
Coordinates: 66.33441 -51.39464
Place name: Sarfartôq canyon.
Rock type: Kimberlite
Field description: Many rolled boulders up to 50 cm large, in river bed opposite Sarfartôq glacier.
Primary locality: Larsen (1979) loc. 165
Samples: 265425-265427
Rock analyses: 265427. GGU (unpublished)
Mineral analyses:

Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.122
Coordinates: 66.33436 -51.37321
Place name: Sarfartôq canyon.
Rock type: Kimberlite
Field description: Joint system with two thin, badly exposed dykes orientated 120/30-60NE. Strange rock: Loose block in talus at foot of one of the joints.
Primary locality: Larsen (1979) loc. 182-183
Samples: 265456 (dyke), 265457 (strange rock)
Rock analyses: 265456, 265457. GGU (unpublished)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.123
Coordinates: 66.32836 -51.37024
Place name: Sarfartôq canyon.
Rock type: Kimberlite
Field description: Dyke 2 m thick orientated 120/30NE. Very prominent, exposed over several hundred metres.
Primary locality: Larsen (1979) loc. 178
Samples: 265450
Rock analyses: 265450. GGU (unpublished)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.124
Coordinates: 66.32667 -51.36464
Place name: Sarfartôq canyon.
Rock type: Kimberlite
Field description: Dyke 50 cm thick with several parallel brown veins, orientation 150/30-40NE.
Primary locality: Larsen (1979) loc. 180
Samples: 265454-265455
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:

References: Larsen (1979)

Locality no: 66V2.125
Coordinates: 66.32300 -51.36147
Place name: Sarfartôq canyon.
Rock type: Kimberlite
Field description: Several dykes in joint zone orientated 20/90. Combined dyke thickness over 20 m = c. 3 m. Dykes anastomosing; direction of joints and dykes unusual.
Primary locality: Larsen (1979) loc. 179
Samples: 265451-265453
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.126
Coordinates: 66.32138 -51.36168
Place name: Sarfartôq canyon.
Rock type: Kimberlite
Field description: Two dykes 1 and 1.5 m thick and several thinner dykes. General orientation 120-150/25-35NE. Many inclusions.
Primary locality: Larsen (1979) loc. 177
Samples: 265446-265449
Rock analyses: 265446. GGU (unpublished)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Larsen (1979)

Locality no: 66V2.127
Coordinates: 66.31708 -51.35806
Place name: Sarfartôq canyon.
Rock type: Kimberlite
Field description: Dyke 1.5 m thick orientated 130-140/30NE. Many inclusions.
Primary locality: Larsen (1979) loc. 176
Samples: 265442-265445
Rock analyses: 265442. GGU (unpublished)
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data: Separared phlogopite from 265442 gave an age of 656 +- 20 Ma (Larsen et al., 1983).
Comments:
References: Larsen (1979), Larsen et al. (1983)

Locality no: 66V2.128
Coordinates: 66.08249 -51.70958
Place name: Head of Evighedsfjord.
Rock type: Kimberlite
Field description: Dyke.
Primary locality:
Samples:
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments: Very uncertain localisation.
References: Escher & Watterson (1973)

KIMBERLITE, LAMPROITE AND ASSOCIATED ROCKS

MAP SHEET 67V1 NORDRE STRØMFJORD VEST

Locality no: 67V1.1
Coordinates: 67.64964 -53.0070
Place name: Kangerdluarssuk, Nordre Strømfjord.
Rock type: Lamproite
Field description: A number of thin dykes, width 2-30 cm, orientation 70-85/subvertical. Small sinistral offsets around some of the dykes. Movements during intrusion are indicated.
Primary locality:
Samples: 190641
Rock analyses: Stecher & Thy (unpublished)
Mineral analyses: Cpx, mica, leucite. Thy et al. (1987).
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Christiansen & Rehkopff (1980), Thy et al. (1987), Stecher & Thy (unpublished). Geological map sheet 1:100000 67V1.N Agto.

Locality no: 67V1.2
Coordinates: 67.51254 -53.6706
Place name: Eqalúnguit, mouth of Nordre Strømfjord.
Rock type: Lamproite
Field description: A dyke 15-50 cm wide, 400 m long, jumping, orient. 95/90.
Primary locality:
Samples: 105757-759,105762-764, 105767-769, 105771-773.
Rock analyses: 105757, 105762, 105764, 105767, 105768, 105769, 105771, 105772, 105773. Stecher & Thy (unpublished).
Mineral analyses: Mica, amphibole, leucite. Thy (1982), Thy et al. (1987).
Modal analyses:
Rb-Sr data:
K-Ar data: K-Ar age determination on mica extract from 105768 gave 1240 +- 130 Ma. (Winther, 1974).
Comments:
References: Winther (1971, 1974), Thy (1982), Thy et al. (1987) Stecher & Thy (unpublished).Geological map sheet 1:1000000 67V1.N Agto.

Locality no: 67V1.3
Coordinates: 67.51344 -53.6051
Place name: N. of mouth of Nordre Strømfjord.
Rock type: Lamproite
Field description: One dyke, around 350 m long, orientation c. 60o
Primary locality:
Samples: 105962
Rock analyses: Stecher & Thy (unpublished).
Mineral analyses:
Modal analyses:
Rb-Sr data:

K-Ar data:
Comments:
References: Winther (1971), Stecher & Thy (unpublished).

Locality no: 67V1.4
Coordinates: 67.5063 -53.6262
Place name: N. of mouth of Nordre Strømfjord.
Rock type: Lamproite
Field description: Four dykes 100-200 m long orientation c. 60o. One of these is the same as at loc. 67V1.3.
Primary locality:
Samples: 105973-974, 105980-982, 105991.
Rock analyses: 105973, 105974, 105980, 105981, 105982. Stecher & Thy (unpublished).
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Winther (1971), Stecher & Thy (unpublished), Geological map sheet 1:100000 67V1.N Agto.

Locality no: 67V1.5
Coordinates: 67.44643 -53.7238
Place name: Taseralik, mouth of Nordre Strømfjord.
Rock type: Lamproite
Field description: Dyke
Primary locality:
Samples: 211374-376
Rock analyses: 211376. Stecher & Thy (unpublished).
Mineral analyses: Olivine. Thy et al. (1987).
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Thy et al. (1987), Stecher & Thy (unpublished).

Locality no: 67V1.6
Coordinates: 67.26004 -53.4306
67.26116 -53.4162
Place name: Nordre Isortoq, north coast.
Rock type: Kimberlite
Field description: Two dykes c. 1 km apart.
Primary locality:
Samples: 211382-383
Rock analyses: 211382, 211383. Stecher & Thy (unpublished).
Mineral analyses: Mica, spinel, perovskite. Thy et al. (1987).
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Thy et al. (1987), Stecher & Thy (unpublished).

Locality no: 67V1.7
Coordinates: 67.21429 -53.8150
Place name: Mouth of Nordre Isortoq, north side.
Rock type: Kimberlite
Field description: Dyke
Primary locality:
Samples: 211380-381
Rock analyses: 211380, 211381. Thy et al. (1987), Stecher & Thy (unpublished).
Mineral analyses: Olivine, clinopyroxene, ilmenite, spinel, serpentine. Thy et al.(1987).
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Thy et al. (1987), Stecher & Thy (unpublished).

Locality no: 67V1.8
Coordinates: 67.21763 -53.6532
Place name: Nordre Isortoq, north coast.
Rock type: Lamproite
Field description: Dyke
Primary locality:
Samples: 211384
Rock analyses: 211384. Stecher & Thy (unpublished).
Mineral analyses: Olivine, ilmenite, spinel. Thy et al. (1987).
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Thy et al. (1987), Stecher & Thy (unpublished).

Locality no: 67V1.9
Coordinates: 67.20647 -53.5665
Place name: Akuliarusinguaq, Nordre Isortoq.
Rock type: Kimberlite
Field description: One dyke, 50 cm thick.
Primary locality:
Samples: 311004-311005
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: GGU (unpublished)

Locality no: 67V1.10
Coordinates: 67.08929 -53.9253
Place name: Qipingassoq, coast S. of Nordre Isortoq.
Rock type: Kimberlite

Field description: Loose blocks
Primary locality:
Samples: 211385
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Peter Thy, personal communication, 1990.

Locality no: 67V1.11
Coordinates: 67.077430 -53.813260
Place name: Kangerdluarssuk ungatdleq.
Rock type: Kimberlite
Field description: Loose block
Primary locality:
Samples: 223846
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References: Secher (1977).

KIMBERLITE, LAMPROITE AND ASSOCIATED ROCKS

MAP SHEET 69V2 JAKOBSHAVN

Locality no: 69V2.1 - 69V2.44

Coordinates:

1	69.75745	-50.26024
2	69.76267	-50.16750
3	69.76006	-50.16886
4	69.75728	-50.16686
5	69.75319	-50.21105
6	69.75052	-50.22226
7	69.74999	-50.16419
8	69.74114	-50.14757
9	69.75893	-50.36138
10	69.72035	-50.38246
11	69.71435	-50.30308
12	69.71385	-50.24821
13	69.71671	-50.20931
14	69.71422	-50.15837
15	69.68918	-50.43826
16	69.68951	-50.41628
17	69.67659	-50.42447
18	69.69838	-50.40219
19	69.69933	-50.38304
20	69.69912	-50.36674
21	69.69785	-50.36081
22	69.69200	-50.35677
23	69.69271	-50.31047
24	69.68820	-50.30124
25	69.69011	-50.27561
26	69.68895	-50.17893
27	69.67386	-50.24261
28	69.66565	-50.30193
29	69.65954	-50.33587
30	69.65888	-50.28244
31	69.63975	-50.18350
32	69.63969	-50.16442
33	69.61607	-50.38584
34	69.61625	-50.34178
35	69.62726	-50.27997
36	69.62179	-50.24967
37	69.61947	-50.25384
38	69.61410	-50.23077
39	69.61296	-50.20735
40	69.61409	-50.26168
41	69.61540	-50.28073
42	69.61039	-50.28932
43	69.60308	-50.27505
44	69.62098	-50.28835

Place name: Mainland south of Eqe.

Rock type: Ultramafic lamprophyre

Field description: Swarm of mainly E-W-trending dykes, from few centimetres to 5 m in thickness, commonly 1-2 m thick. The dyke rocks are sheared, foliated and sometimes with small folds. They consist mainly of carbonate and phlogopite in varying proportions, with lesser amounts of magnetite, amphibole, sphene and apatite.

Primary locality:
Samples: 357075-082, 358661-667, 362463-488 and several additional single numbers.
Rock analyses: 341495, 356918, 356990, 358661
Mineral analyses: Magnesio-arfvedsonite. Marker & Knudsen (1989).
Modal analyses:
Rb-Sr data:
K-Ar data: Separated phlogopite from 356918 gave a K-Ar age of 1782+-70 Ma (D. Rex, unpublished data).
Comments: From field relations (contemporaneity with a Rb-Sr-dated dolerite dyke) an age of around 1650 Ma is inferred. Map of detailed dyke pattern in Marker & Knudsen (1989).
References: Brunet (1980), Marker & Knudsen (1989), GGU (unpublished data).

Locality no: 69V2.45 - 69V2.53
Coordinates: 45 69.77509 -50.54492
46 69.76321 -50.52711
47 69.76431 -50.54941
48 69.76712 -50.57197
49 69.76139 -50.60547
50 69.76697 -50.63607
51 69.73842 -50.69862
52 69.72450 -50.69448
53 69.72998 -50.72401
Place name: Alangoq, east of Atâ sund.
Rock type: Ultramafic lamprophyre
Field description: Thin dykes in joint zones in the Atâ granite; variable orientations. The dyke rocks are sheared and foliated, sometimes folded, and consist of varying proportions of phlogopite, amphibolite and carbonate, with minor amounts of magnetite and sphene.
Primary locality:
Samples: 343916, 939, 941, 949, 965-968, 352252-257,260
Rock analyses: None
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments: The dykes are inferred to be equivalent to those in the E-W-trending swarm at locs 69V2.1-44. The different orientation patterns may be caused by the different host rocks of the two groups (Atâ granite vs. gneisses).
References: L. Skjernaa, personal communication 1990.

Locality no: 69V2.54 - 69V2.55
Coordinates: 54 69.64068 -50.63751
55 69.63511 -50.62179
Place name: Qeqertâ in Kangerdluarssuk.
Rock type: Ultramafic lamprophyre
Field description: A c. 300 m wide E-W-trending zone in the gneiss with many thin lamprophyre veins and two larger dykes that can be followed over c. 1 km. The dyke thicknesses are variable, up to 2 m, with a local bulge up to 5 m. In two places are seen local accumulations of 1-10 cm nodules of dunite

	and pyroxenite. The dykes are rich in phlogopite, magnetite and carbonate, and the side walls are strongly fenitised.
Primary locality:	(Garde (1989) loc 159
Samples:	269732-741, 269748, 269751, 272662-665
Rock analyses:	
Mineral analyses:	
Modal analyses:	
Rb-Sr data:	
K-Ar data:	
Comments:	The dykes belong to the swarm in locs. 69V2.1-.44.
References:	A.A. Garde and A. Steenfelt, personal communication 1990.

Locality no:	69V2.56
Coordinates:	69.77703 -50.63526
Place name:	Oqaitsúnguit
Rock type:	Lamproite
Field description:	Two small round pipes, 50x70 m and 15x20 m large. The rock consists mostly of coarse-grained phlogopite in close-lying subhedral crystals, poikilitically enclosed in large crystals of microcline. The rock contains many rounded centimetre-sized inclusions of monomineralic phlogopite, and of light green clinopyroxene and amphibole.
Primary locality:	
Samples:	269766, 341604-610, 343955-961
Rock analyses:	269766
Mineral analyses:	L. Skjernaa, unpublished data.
Modal analyses:	
Rb-Sr data:	
K-Ar data:	Separated phlogopite from 269766 gave a K-Ar age of 1743+-70 Ma (D. Rex, unpublished data).
Comments:	
References:	L. Skjernaa, personal communication, 1990

Locality no:	69V2.57
Coordinates:	69.91269 -50.45973
Place name:	Anap Nunâ
Rock type:	Ultrabasic carbonate-rich rock.
Field description:	A breccia plug. The breccia forms a large lozenge-shaped c. 75 m long body with steep sides and sharp external contacts. The breccia is closely packed with angular, fine-grained ultrabasic fragments and also country rock fragments. Around the breccia there are several thin carbonate veins and pipes seen to emerge from the central body.
Primary locality:	Garde (1989) loc. 192.
Samples:	269719-269721.
Rock analyses:	
Mineral analyses:	
Modal analyses:	
Rb-Sr data:	
K-Ar data:	
Comments:	
References:	A. Garde, personal communication, 1990.

Locality no: 69V2.58
Coordinates: 69.90372 -51.33778
Place name:
Rock type: Ultramafic lamprophyre
Field description: Dyke
Primary locality:
Samples:
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References:

Locality no: 69V2.59
Coordinates: 69.76860 -51.06092
Place name:
Rock type: Ultramafic lamprophyre
Field description: Dyke
Primary locality:
Samples:
Rock analyses:
Mineral analyses:
Modal analyses:
Rb-Sr data:
K-Ar data:
Comments:
References:

KIMBERLITE, LAMPROITE AND ASSOCIATED ROCKS

MAP SHEET 71V1 SVARTENHUK HALVØ

Locality no:	71V1.1
Coordinates:	71.9 -53.2
Place name:	Ingia
Rock type:	Kimberlite, lamprophyre
Field description:	Dykes outcropping at the coast.
Primary locality:	
Samples:	U-1-79, U-2-79, U-3-79, U-6-79: Kimberlites U-4-79, U-5-79: Lamprophyres
Rock analyses:	
Mineral analyses:	Clinopyroxene, phlogopite, spinel, carbonate, matrix: Smith, 1981
Modal analyses:	
Rb-Sr data:	
K-Ar data:	
Comments:	The rocks are only localised within the rectangle 71o45' - 72oN, 52o30' - 54oW
References:	Smith, 1981

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