

WEATHER WARNING
Weather conditions in the Casey area are subject to rapid deterioration. Early indications of approaching bad weather are cirrus clouds in the south and south-east, followed by drift tails above the Loken Moraine. Once the weather starts to deteriorate, you should seek shelter immediately.

SEA-ICE WARNING
The sea-ice at Casey rarely reaches greater than 500m in thickness and may frequently be blown out during the year. Extreme caution must be exercised when travelling on the sea-ice: do not travel alone, do carry a rope, and take precautions as detailed in the ANARE Field Manual. Cross-country skiing is the safest form of sea-ice travel at Casey.

MELT WARNING
During the period December-February the plateau ice and snow at Casey melt extensively, resulting in deep ravines and melt lakes, especially near the coast. These features persist until frozen or filled in by winter weather. Beware when travelling by any means that a break-through into a melt-lake or stream may be sudden or violent.

RUBBISH CONTROL
Wind will rapidly disperse un-secured rubbish: please collect all waste and return it to the station for disposal or mark and secure it for later removal.

SITES OF SPECIAL SCIENTIFIC INTEREST (ENTRY TO THESE SITES IS STRICTLY BY PERMIT ONLY)
SSSI 16 is located on the eastern boundary of station limits and is gazetted to protect the extremely rich lichen and moss communities. It contains the main site on the Antarctic continent for liverwort.

SSSI 17 is located on the Clark Peninsula to the east of Wilkes, and is gazetted to protect moss and lichen control sites which provide baseline data to monitor environmental impact at Casey.

MAJOR CONTINUOUS SCIENTIFIC PROGRAMS
(To be provided over the next months...)

MOVEMENT IN THE AREA
The Casey area is extremely rich in moss and lichen beds, and contains many breeding sites for Wilson's Storm Petrels and Snow Petrels: vehicles are restricted to prepared roads, ice, or snow-covered surfaces to protect these features. When moving about the area by vehicle or foot please avoid disturbance to breeding birds, and where at all possible, avoid walking through moss or lichen beds.

	January	February	March	April	May	June	July	August	September	October	November	December
Average mean daily maximum (°C)	2.9	0.4	-2.5	-7.8	-11	-15.5	-18.7	-19.2	-18.6	-17.1	-14.9	-12.0
Average mean daily minimum (°C)	-1.9	-4.5	-7.1	-10.4	-13.3	-17.1	-18.9	-18.4	-16.6	-14.1	-11.9	-9.2
Days of rain or more rain (h)	6	4	9	10	12	10	9	10	8	8	4	4
Average mean daily wind speed (km/h)	18.0	18.0	18.0	23.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
Average mean daily sunshine (hours)	6.5	5.0	3.1	2.0	1.0	0.4	0.5	1.2	3.3	6.9	6.3	9.2
Average number of gales from 12h (hours)	7.2	5.0	8.0	7.0	9.0	10.0	12.0	11.0	9.0	6.0	8.0	6.0
Highest maximum wind gust (km/h)	47/75	10/67	19/176	19/209	19/255	19/220	19/230	19/230	19/230	19/230	19/230	19/230
Lowest minimum wind gust (km/h)												

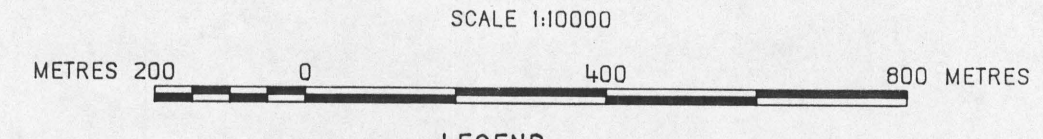
TO	SI	KM
JACK'S DOUGA		7
LANTON JUNCTION		10
BLYTH JUNCTION		16
BROWNING PENINSULAR		67
ANTARCTIC CIRCLE		79
S2		86
DOVE SUMMIT		118

WARNING: POSITION OF SHORELINE IS APPROXIMATE

WARNING: ICE CLIFFS AND CREVASSES SURROUND O'BRIEN BAY

WARNING: POSITION OF SHORELINE IS APPROXIMATE

TO MITCHELL PENINSULAR 3KM AND ROBINSON'S RIDGE KM



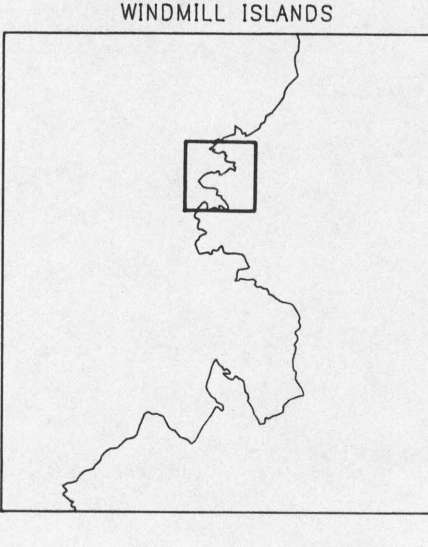
LEGEND

- CONTOUR MINOR
- CONTOUR MAJOR
- CONTOUR DEPRESSION
- CONTOUR ON ICE/SNOW
- EDGE OF ICE/SNOW
- SPOT HEIGHT
- EDGE WATER
- EDGE WATER (APPROX)
- TOP ICE CLIFF
- ROAD
- SERVICE DUCT
- BUILDING
- SURVEY MARK (MONUMENTED)
- BENCH MARK
- MAST OR AERIAL
- HELICOPTER PAD
- ANCHORAGE
- ADELIE PENGUIN ROOKERY
- FOOT/SKI ROUTE
- OVERSNOW ROUTE
- SENSITIVE AREA

INDEX TO BUILDINGS

- CASEY**
- 1 ANKAREHT BARRACK
- 2 WORKSHOP
- 3 EMERGENCY VEHICLE SHELTER
- 4 BULK FUEL TANK
- 5 BULLDOZER LARKS
- 6 STORE
- 7 INCUBATOR BUILDING
- 8 DOMESTIC BUILDING
- 9 CONTAINERS
- 10 POWER HOUSE
- 11 TANK HOUSE
- 12 OPERATIONS
- 13 METEOROLOGICAL CENTRE
- 14 EMERGENCY POWER
- 15 WASTE TREATMENT
- OLD CASEY**
- 1 POWER
- 2 WORKSHOP
- 3 STORAGE
- 4 WORKSHOP
- 5 FUEL TANKS
- 6 ACCUMULATOR CONTAINERS
- 7 STORE
- 8 GLACIOLOGY
- 9 OLD OFFICE
- 10 RADIO
- 11 SLEEPING
- 12 LAUNDRY
- 13 SUBSERY
- 14 MESS
- 15 REC AREA

LOCALITY DIAGRAM



HOW TO QUOTE A GRID REFERENCE FOR A PARTICULAR POINT eg 020 on BEALL ISLAND

1. Quote this map-----CASEY
 2. Locate the VERTICAL line of grid ticks to the left of the point-----76
 3. Estimate the tenths from the line of ticks to the point-----.8
 4. Locate the HORIZONTAL line of grid ticks below the point-----46
 5. Estimate the tenths from the line of ticks to the point-----.3
- Thus the reference for 020 is CASEY 768463

WARNING: ABSENCE OF CREVASSE SYMBOL DOES NOT MEAN CREVASSES ARE ABSENT

NOTE: THIS MAP IS COMPILED FROM AERIAL PHOTOGRAPHY WHICH IS SEVERELY AFFECTED BY CLOUD. CONSEQUENTLY SOME FEATURES MAY NOT APPEAR. ERRORS OF UP TO 25 METRES IN THE HORIZONTAL SENSE AND 10 METRES IN THE VERTICAL SENSE ARE KNOWN TO EXIST.

MANETIC NORTH IS CORRECT FOR CASEY STATION FOR 1992 AND MOVES WESTERLY BY ABOUT 0.17 DEGREES PER ANNUM.

COMPILED FROM AERIAL PHOTOGRAPHY DATED JANUARY 1962
 COMPILATION DATE: MARCH 1992
 FILM NO. ANTDIO FRAMES: 881-889 DATE: 11-1-1962
 FILM NO. ANTDIO FRAMES: 808-812 DATE: 18-1-1962
 VERTICAL DATUM: MEAN SEA LEVEL
 HORIZONTAL DATUM: WORLD GEODETIC SYSTEM 1966
 PROJECTION: UNIVERSAL TRANSVERSE MERCATOR, ZONE 19
 CONTOUR INTERVAL: 10 METRES