

BERMUDA STATUTORY INSTRUMENT

BR 11/1998

THE ANTARCTIC REGULATIONS 1998

[made under sections 9(1), 10(1), 11(1), 14(1), 15, 25(1) and (3), 29 and 32 of the Antarctic Act 1994 of the United Kingdom as extended to Bermuda by the Antarctic Act (Overseas Territories) Order 1995 {title 20 item 19} and brought into operation on 30 January 1998]

Citation and commencement

1 These Regulations may be cited as the Antarctic Regulations 1998 and shall come into operation on the 30th day of January 1998.

Interpretation

2 (1) In these Regulations, "the Act" means the Antarctic Act 1994, and expressions used in these Regulations have, unless the contrary intention appears, the meaning which they bear in the Act.

(2) Any reference in these Regulations to a communication "in writing" shall include a reference to a communication by telex, facsimile or other similar instantaneous means which produces a document containing a text of the communication.

(3) Any reference in these Regulations to a numbered regulation shall be construed as a reference to the regulation bearing that number in these Regulations.

(4) Any period of time specified in these Regulations by reference to days, working days or months—

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- (a) where such period is expressed to begin after a particular date, shall begin on the first day after that date, and shall be inclusive of the last day unless that day falls on a Saturday, Sunday, Christmas Day, Good Friday or any other day appointed by law to be a public holiday in Bermuda, in which case the period shall run to the immediately following working day; and
- (b) where such period is expressed to run or to expire before a particular date or event, the period shall be calculated to expire on the last working day before the particular date or the date of that event.

(5) In computing any period of time specified in these Regulations by reference to working days there shall be disregarded the whole of any Saturday, Sunday, Christmas Day, Good Friday or any other day appointed by law to be a public holiday.

Service of documents

3 (1) Anything required to be served on any person unless these Regulations shall be set out in a notice in writing which may be served either—

- (a) by delivering it to that person;
- (b) by leaving it at his proper address;
- (c) by sending it by post to that address; or
- (d) by sending it to him at that address by telex, facsimile or other similar instantaneous means which produces a document containing a text of the communication, in which event the document shall be regarded as served when it is transmitted,

and where the person is a body corporate the document may be served, by any of these means, upon the Secretary of that body.

(2) When a document is sent by post it shall be deemed to have been received [seven] working days after despatch if posted to an address within Bermuda and [fifteen] working days if posted to an address elsewhere.

(3) For the purposes of this regulation the proper address of any person shall, in the case of a body corporate, be the registered or principal office of that body, and in any other case, shall be the last known address of the person.

PART 2

PERMITS

Applications for permits under sections 3, 4, 5 and 6 of the Act

4 (1) An application for a permit under section 3, 4, 5 or 6 of the Act shall be made to the Governor in such form, and accompanied by such number of copies, as he may require.

(2) No later than ten days after making the application, the applicant shall cause notice of the application to be published in the London Gazette in such form and containing such information as the Governor may require.

(3) The applicant shall, during the period the application is pending—

- (a) make available a copy of the application for inspection during normal office hours by any person who may so request; and
- (b) provide copies of the application to any person on receipt of a request in writing, subject to payment of reasonable charges for supplying the copies, including postage.

Initial Environmental Evaluation

5 (1) If the Governor considers that the activity for which an application has been made under regulation 4 is likely to have more than a negligible impact on the environment of Antarctica, he shall, unless he has required the applicant to submit a draft Comprehensive Environmental Evaluation in accordance with regulation 6(1), require the applicant to submit to him an Initial Environmental Evaluation.

(2) An Initial Environmental Evaluation shall be in such form, and accompanied by such number of copies, as the Governor may require and shall contain sufficient information for the Governor to be able to assess—

- (a) the scale of the impact which the proposed activity may have on the environment of Antarctica;
- (b) whether, in the light of existing and known planned activities, it may have a cumulative impact; and
- (c) whether there may be alternative ways of carrying out the proposed activity which might lessen the environmental impact or possible cumulative impact.

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(3) The applicant shall, during the period the application is pending—

- (a) make available a copy of the Initial Environmental Evaluation for inspection during normal office hours by any person who may so request; and
- (b) provide copies of the Initial Environmental Evaluation to any person on receipt of a request in writing, subject to payment of reasonable charges for supplying the copies, including postage.

(4) The Governor shall annually send to the Secretary of State a list of the Initial Environmental Evaluations submitted to the Governor in accordance with this regulation during the preceding twelve months.

Comprehensive Environmental Evaluation

6 (1) If the Governor at any time after the making of an application considers that the activity which is the subject of the application is likely to have more than a minor or transitory impact on the environment of Antarctica, he shall require the applicant to submit to him a draft Comprehensive Environmental Evaluation.

(2) Such draft Comprehensive Environmental Evaluation shall be in such form, and accompanied by such number of copies, as the Governor may require and shall contain sufficient information for the Governor to be able to consider or determine—

- (a) possible alternatives to the proposed activity, including the alternative of not proceeding with it;
- (b) the initial environmental reference state with which predicted changes are to be compared, and the likely future environmental state in the absence of the proposed activity;
- (c) whether the methods and data used to forecast the impacts of the proposed activity are satisfactory for that purpose;
- (d) the nature, extent, duration and intensity of the likely direct impacts of the proposed activity;
- (e) possible indirect or second order impacts of the proposed activity;
- (f) any cumulative impacts of the proposed activity in the light of existing activities and other known planned activities;

- (g) the measures which could be taken to minimise or mitigate impacts of the proposed activity, and whether a monitoring programme to verify foreseen impacts or detect unforeseen impacts, and provide early warning of any adverse effects of the activity, should be provided for;
- (h) the measures which could be taken to deal promptly and effectively with accidents;
- (i) whether there may be any unavoidable impacts of the proposed activity;
- (j) the effects of the proposed activity on the conduct of scientific research and on other existing uses and values; and
- (k) whether there are gaps in knowledge or uncertainties with regard to the possible impact of the proposed activity.

(3) When so required by the Governor, the applicant shall submit to him a final Comprehensive Environmental Evaluation in such form, and accompanied by such number of copies, as the Governor may require.

(4) When making a requirement under paragraph (3), the Governor shall provide the applicant with—

- (a) any comments in writing on the draft Comprehensive Environmental Evaluation which have been received by the Governor from any person in accordance with paragraph (6);
- (b) any comments on such Evaluation from another Contracting Party;
- (c) any advice in respect of such Evaluation from the Committee for Environmental Protection established under the Protocol; and
- (d) an account of the consideration by the Antarctic Treaty Consultative Meeting of such Evaluation in the light of such advice,

and the applicant shall, in preparing the final Comprehensive Environmental Evaluation, take into account such comments, advice and account and include or summarise them in the final Comprehensive Environmental Evaluation.

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(5) The Governor shall as soon as conveniently may be after receipt transmit the draft and the final Comprehensive Environmental Evaluation to the Secretary of State and shall provide any person with copies on request in writing subject to payment of reasonable charges for supplying the copies, including postage.

(6) The Governor shall, by a notice published in the London Gazette, notify receipt by him of each draft Comprehensive Environmental Evaluation and each final Comprehensive Environmental Evaluation, state where the same may be inspected, and where and how copies may be obtained and invite comments in writing, in the case of a draft Comprehensive Environmental Evaluation, within ninety days of publication of the notice and, in the case of a final Comprehensive Environmental Evaluation, within thirty days of the publication of the notice.

(7) The Governor in taking his decision whether to grant a permit shall take into account any comments in writing submitted to him by any person in accordance with paragraph (6), if the comments are received within the relevant period specified in that paragraph.

Refusal of Permits under sections 3, 4, 5 and 6 of the Act

7 If the Governor decides not to grant a permit under section 3, 4, 5 or 6 of the Act he shall so inform the applicant in writing giving his reasons.

Applications for and refusals of permits under sections 11 and 12 of the Act

8 (1) An application for a permit under section 11 or 12 of the Act shall be made to the Governor in such form, and accompanied by such number of copies, as he may require.

(2) If the Governor decides not to grant such a permit he shall so inform the applicant in writing giving his reasons.

Production of permits

9 (1) Subject to the provisions of this regulation, where there is reason to believe that a person has carried out (or is carrying out or may be about to carry out) an activity for which a permit is required by section 3(1), 4(1), 5(1), 6(1), 7(1), 8(1), 9(1) or 11(1) of the Act, an authorised person may require that person to produce, or cause to be produced, within five days after the request has been made, a permit granted under the Act authorising that activity.

(2) Where a permit has been granted to a person in respect of another specified person or of persons of a specified description, the

requirement in paragraph (1) to produce the permit shall apply also to such person or persons.

(3) The requirements of the preceding paragraphs may be satisfied by the production of a true photocopy of the permit.

(4) An authorised person shall have the power to inspect and copy any permit which he has the power pursuant to this regulation to require to be produced to him.

(5) For the purpose of this regulation—

"authorised person" means the Governor and the Secretary of State and—

(a) in Bermuda—

- (i) a justice of the peace;
- (ii) a police officer;
- (iii) a customs or immigration officer; or
- (iv) any other person authorised by the Governor in writing for the purpose of this regulation either generally or in a particular case,

(b) anywhere in Antarctica—

- (i) a station manager (that is to say any person who is for the time being running a station in Antarctica on behalf of the Director of the British Antarctic Survey);
- (ii) any person authorised by the Governor in writing for the purpose of this regulation either generally or in a particular case; or
- (iii) in respect of permits granted under section 12 of the Act, any person designated as an observer by a party to the Antarctic Treaty in accordance with Article VII thereof;

(c) only in the British Antarctica Territory—

- (i) a magistrate of the British Antarctic Territory; or
- (ii) a public officer of the British Antarctic Territory;

(d) south of the Antarctic Convergence, in respect of permits granted under section 11 of the Act, any person designated as an inspector by a Member of the

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Commission for the Conservation of Antarctic Marine Living Resources under Article XXIV of the Convention;

- (e) in respect of a British vessel in the seas south of 60 degrees South latitude
 - (i) a British naval officer; or
 - (ii) the master of a vessel operated by or on behalf of the British Antarctic Survey.

Revocation and suspension of permits

10 (1) Subject to the provisions of this regulation, the Governor may revoke or suspend wholly or in part any permit granted under the Act; and where a permit has been granted in respect of more than one specified person (or vessel or aircraft), or in respect of persons (or vessels or aircraft) of a description specified in the permit, the revocation or suspension may be limited to such persons (or such vessels or aircraft), or to persons (or vessels or aircraft) of such description, as may be specified by the Governor in the notice of revocation or suspension.

(2) Save as provided in paragraph (3), the Governor may exercise his powers under paragraph (1) only after giving twenty-eight days notice to the permit-holder of his intention to do so and after due consideration of any representations made in writing by or on behalf of the permit-holder (or any person specified or of a description specified in the permit).

(3) If, by reason of the urgency of the matter, it appears to the Governor to be necessary for him to do so he may provisionally suspend a permit without complying with the requirements of paragraph (2), but he shall in any such case comply with those requirements as soon thereafter as is reasonably practicable, and shall then either—

- (a) revoke the provisional suspension of the permit; or
- (b) substitute therefor a definitive revocation or suspension which, if a definitive suspension, may be for the same or a different period as the provisional suspension (if any).

(4) The powers vested in the Governor by paragraph (1) and paragraph (3) may be exercised by them if it appears to him that—

- (a) the permit was procured by fraud or misrepresentation;
- (b) the application for the permit contained a material error or omission;

- (c) the holder of the permit, or a person or persons specified in it, or of a description specified in it, are not fit and proper persons to carry out an activity authorised by the permit;
 - (d) there has been a material change in the circumstances under which an activity authorised by the permit would be or is being carried out (including receipt by the Governor of information as to the environmental impact of the activity which was not previously available) such that the continuation of the activity would have an unacceptable impact on the Antarctic environment;
 - (e) the carrying out or continuation of an activity authorised by the permit would be undesirable because of an emergency which has arisen subsequent to the grant of the permit;
 - (f) the person to whom the permit was granted (or any person or persons specified in it or of a description specified in it) will not be able to comply with a material condition of the permit;
 - (g) there has been a breach of a condition of the permit;
 - (h) the holder of the permit has purposed to transfer, or has given possession of, the permit (or a copy of it) to a person who is not entitled to hold it; or
 - (i) the permit (or a copy of it) has been altered or defaced.
- (5) The permit-holder or any person having possession or custody of any permit which has been revoked or suspended under this regulation shall surrender it and any copies of it to the Governor within a reasonable time of being required by him to do so.
- (6) References in this regulation to the "permit-holder" are references to the person to whom any permit to which this Part applies has been granted.

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PART 3

APPEALS

Appeals against revocation of permits granted under section 3, 4, 5 or 6 of the Act

11 (1) Subject to the modifications specified in paragraph (2) of this regulation, Part 3 of the United Kingdom Regulations shall have effect in Bermuda so as—

- (a) to confer a right of appeal to the Antarctic Act Tribunal ("the Tribunal") established by regulation 11(1) of the United Kingdom Regulations from and against the revocation or suspension by the Governor under regulation 10 of a permit granted under section 3, 4, 5 or 6 of the Act in its application to Bermuda under the Order in Council ("Bermuda Appeals"), in the same way as it confers a right of appeal from and against the revocation or suspension by the Secretary of State under regulation 10 of the United Kingdom Regulations of a permit granted by the Secretary of State under sections 3, 4, 5 or 6 of the Act in the form it has effect in the United Kingdom ("United Kingdom Appeals");
- (b) to confer upon the Tribunal the like jurisdiction and powers in relation to Bermuda Appeals as it has under the United Kingdom Regulations in relation to United Kingdom Appeals; and
- (c) to make the like provision in relation to procedural and other matters in relation to Bermuda islands Appeals as is made in relation to United Kingdom Appeals by regulation 13 of the United Kingdom Regulations.

(2) For the purpose of the application of Part 3 of the United Kingdom Regulations in accordance with paragraph (1) above, the words "Secretary of State" in regulations 11(3), 11(4), and 13(7)(b) of the United Kingdom Regulations shall be replaced by the word "Governor".

(3) In this regulation—

- (a) "the Order in Council" means the Antarctic Act 1994 (Overseas Territories) Order 1995; and
- (b) "the United Kingdom Regulations" means the Antarctic Regulations 1995 (SI 1995 No. 490).

PART 4

SPECIAL AREAS

Restricted Areas

12 For the purposes of section 9(1) of the Act, the areas listed and described in Schedule 1 to these Regulations are hereby designated as areas restricted under the Protocol.

Antarctic Historic Sites and Monuments

13 For the purposes of section 10(1) of the Act, the sites and monuments listed in Schedule 2 to these Regulations are hereby designated as Antarctic Historic Sites and Monuments.

Protected Places

14 For the purposes of section 11(1) of the Act, the places listed in Schedule 3 to these Regulations are hereby designated as places protected under the Convention.

PART 5

OFFENCES UNDER THE ACT

Application of Part 5

15 This Part applies when the Governor has reasonable grounds for believing that a United Kingdom national (hereinafter referred to as "the suspect") has committed an offence under the Act (hereinafter referred to as "the offence") and is in any part of Antarctica or, in respect of those offences related to in section 29(1)(a), is in any part of the area south of the Antarctic Convergence.

Arrest and conveyance in custody

16 (1) A court in Bermuda may, on the application of a person entitled under section 28 of the Act to institute proceedings in that court in respect of the offence, issue a warrant for the arrest of the suspect and his conveyance in custody to Bermuda.

(2) Once arrested, the person the subject of the warrant (hereinafter referred to as "the accused"), shall be deemed to be in legal custody at any time when, being in the British Antarctic Territory (or any other part of Antarctica), or other British territory, or on board a British ship, British aircraft or British hovercraft, he is being taken under the warrant to or from any place or being kept in custody under the warrant.

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(3) A person authorised by the warrant to take the accused to or from any place or to keep him in custody (hereafter referred to as "the authorised person") shall have all the powers, authority, protection and privileges of a police officer.

(4) If the accused escapes he may be arrested without warrant by a constable and taken to any place to which he may be taken under the warrant.

(5) In paragraph (2)—

"British aircraft" means a British-controlled aircraft within the meaning of section 92 of the Civil Aviation Act 1982 (application of criminal law to aircraft) or one of Her Majesty's aircraft;

"British hovercraft" means a British-controlled hovercraft within the meaning of that section as applied in relation to hovercraft by virtue of provisions made under the Hovercraft Act 1968 or one of Her Majesty's hovercraft; and

"British ship" means a British ship for the purpose of the Merchant Shipping Acts 1894 to 1988 or one of Her Majesty's ships;

and in this paragraph references to Her Majesty's aircraft, hovercraft or ships are references to aircraft, hovercraft or, as the case may be, ships belonging to or exclusively employed in the service of Her Majesty in right of the Government of the United Kingdom.

(6) In paragraph (4) "police officer" means—

- (a) in relation to Bermuda, any person who is a police officer in Bermuda and any person who at the place in question has under any enactment, including paragraph (3), the powers of a police officer in Bermuda; or
- (b) in relation to a British territory outside Bermuda, any person who is a police officer in that territory or any person who in that territory has the powers of a police officer.

Physical evidence

17 (1) The authorised person may seize and detain any article which may be evidence connected with the offence and convey it to Bermuda.

(2) Where it is necessary for any article to be accompanied by any certificate, affidavit or other verifying document the authorised

person shall also furnish for transmission such document of that nature as may be specified in any direction given by the Governor.

(3) Where the article consists of a document, the original or a copy may be transmitted, and where it consists of any other article the article itself or a description, photograph or other representation of it may be transmitted.

Attendance of witnesses

18 (1) This regulation applies where the Governor is notified by the court in Bermuda where the accused is being tried or is to be tried that a United Kingdom national who has been called to give evidence (hereinafter referred to as "the witness") has failed to comply with the order of the court, or is believed by the court to be unlikely to comply, and is in Antarctica or in the area south of the Antarctic Convergence, as the case may be.

(2) If the Governor receives a notification in accordance with paragraph (1) he may issue a warrant for the arrest of the witness.

(3) The provisions of paragraphs (2) to (6) of regulation 16 shall apply to the arrest and conveyance in custody of the witness as they apply to the accused.

(4) Once in the Bermuda the witness shall be delivered by the authorised person to the court which made the notification under paragraph (1).

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SCHEDULE 1 (regulation 12) RESTRICTED AREAS

Specially Protected Area No. 1 Taylor Rookery, MacRobertson Land Latitude 67 degrees 26'S; Longitude 60 degrees 50'E

The Area consists of the whole of the northernmost rock exposure on the east side of Taylor Glacier, MacRobertson Land (Lat. 67 degrees 26'S; Longitude 60 degrees 50'E). The rookery is located on a low lying rock outcrop in the south-west corner of a bay formed by Taylor Glacier to the west, the polar ice cap to the south and the islands of Colbeck Archipelago to the east. The Area is surrounded by sea ice to the north and east. The Area is some 90 km west of Mawson station. There is ice-free terrain adjacent to the glacier on the western boundary and to the south the rock rises steeply to meet the ice of the plateau.

There are no boundary markers since the Area is easily defined by its natural features.

Specially Protected Area No. 2
Rookery Islands, Holme Bay, MacRobertson Land
Latitude 67 degrees 37'S; Longitude 62 degrees 33'E

The Rookery Islands are a group of small islands and rocks in the south-western part of Holme Bay, MacRobertson Land, approximately 10 km to the west of Mawson station. The Area comprises the islands and rocks lying within the rectangular area shown on the maps below, the general location of which is latitude 67 degrees 37'S, longitude 62 degrees 33'E. There are no boundary markers delimiting the site.

There are approximately 75 small islands. They range in size from small rocks which barely remain above water at high tide to the largest islands of the group which are Giganteus Islands (approximately 400 m Longitude, 400 m wide and 30 m wide and 30 m high) and Rookery Island which is of similar size but slightly more elongated. Rookery Island is the highest of the group reaching an altitude of 62 m.

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Specially Protected Area No. 3
Ardery Island and Odbert Island, Budd Coast
Lat. 66 degrees 22'S; Longitude 110 degrees 33'E

Ardery Island (Lat. 66 degrees 22'S, Longitude. 110 degrees 28' E) and Odbert Island (Lat. 66 degrees 22'S, Longitude. 110 degrees 33'E) form part of the Windmill Islands group lying in the eastern end of Vincennes Bay off the Budd Coast. They are located 5 km and 0.6 km respectively to the west of Robinson Ridge, south of Casey Station. Odbert Island is approximately 2.5 km Longitude and 0.5 km wide. In some years the island remains joined to Robinson Ridge on the mainland by sea ice. Ardery Island is a steep ice-free island approximately 1 km Longitude and 0.5 km wide, with an east-west orientation.

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Specially Protected Area No. 20
"College Valley", Caughley Beach, Cape Bird, Ross Island
Latitude 77 degrees 14'S; Longitude 166 degrees 23'E

The Area is in latitude 77 degrees 14'S, longitude 166 degrees 23'E, in the northern part of the Cape Bird ice-free area. It lies between Northern Rookery and Middle Rookery and is about 250 m south of the summer research station, Cape Bird Hut.

The Area consists of the generally west-facing ice-free slopes lying between the cliff top above Caughley Beach and a line parallel to and about 100 m west of the edge of the Mount Bird Ice Cap, and between a line south of the main stream bed of "Keble Valley" and the south side of "New College Valley". Its total area is about 10 hectares.

SCHEDULE 2

(regulation 13)

ANTARCTIC HISTORIC SITES AND MONUMENTS

1. Flag mast erected in December 1965 at the South Geographical Pole by the First Argentine Overland Polar Expedition.
2. Rock cairn erected in January 1961 and plaques at Syowa Station (Latitude 69 degrees 00'S, Longitude 39 degrees 35'E) in memory of Shin Fukushima.
3. Rock cairn and plaque on Proclamation Island, Enderby Land (Latitude 65 degrees 51'S, Longitude 53 degrees 41'E), erected in January 1930 by Sir Douglas Mawson to commemorate the British, Australian and New Zealand Antarctic Research Expedition of 1929-31.
4. Station building to which a bust of V.I. Lenin is fixed, together with a plaque in memory of the conquest of the Pole of Inaccessibility by Soviet Antarctic explorers in 1958 (Latitude 83 degrees 06' S, Longitude 54 degrees 58'E).
5. Rock cairn and plaque at Cape Bruce, MacRobertson Land (Latitude 67 degrees 25'S, Longitude 60 degrees 47'E), erected in February 1931 by Sir Douglas Mawson to commemorate the British, Australian and New Zealand Antarctic Research Expedition.
6. Rock cairn at Walkabout Rocks, Vestfold Hills, Princess Elizabeth Land (Latitude 68 degrees 22'S, Longitude 78 degrees 33'E), erected in 1939 by Sir Hubert Wilkins.
7. Stone with inscribed plaque, erected at Mirny Observatory, Mabus Point (Latitude 66 degrees 33'S, Longitude 93 degrees 01'E), in memory of Ivan Kharmā.
8. Metal monument-sledge at Mirny Observatory, Mabus Point (Latitude 66 degrees 33'S, Longitude 93 degrees 01'E), with plaque in memory of Anatoly Shcheglov.
9. Cemetery on Buromskiy Island, near Mirny Observatory (Latitude 66 degrees 32'S, Longitude 93 degrees 01'E), in which are buried Soviet, Czechoslovak and GDR citizens, members of Soviet Antarctic Expeditions.
10. Building (Magnetic observatory) at Dobrowolsky Station, Bunger Hills (Latitude 66 degrees 16'S, Longitude 100 degrees 45'E), with plaque in memory of the opening of Oasis Station in 1956.
11. Heavy tractor at Vostok Station (Latitude 78 degrees 28'S, Longitude 106 degrees 48'E), with plaque in memory of the opening of the station in 1957.

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12. Cross and plaque at Cape Denison, George V Land (Latitude 67 degrees 00'S, Longitude 142 degrees 42'E), erected in 1913 by Sir Douglas Mawson. The cross and plaque commemorate Lieutenant B. E. S. Ninnis and Dr X Mertz, members of the Australasian Antarctic Expedition of 1911-14.
13. Hut at Cape Denison, George V Land (Latitude 67 degrees 00'S, Longitude 142 degrees 42'E), built in January 1912 by Sir Douglas Mawson for the Australasian Antarctic Expedition of 1911-14.
14. Remains of rock shelter at Inexpressible Island, Terra Nova Bay (Latitude 74 degrees 54'S, Longitude 163 degrees 43'E), constructed in March 1912 by Victor Campbell's Northern Party, British Antarctic Expedition, 1910-13.
15. Hut at Cape Royds, Ross island (Latitude 77 degrees 38'S, Longitude 166 degrees 07'E), built in February 1908 by Ernest Shackleton.
16. Hut at Cape Evans, Ross Island (Latitude 77 degrees 38'S, Longitude 166 degrees 24'E), built in February 1911 by Captain Robert Falcon Scott.
17. Cross on Wind Vane Hill, Cape Evans, Ross Island (Latitude 77 degrees 38'S, Longitude 166 degrees 24'E), erected by the Ross Sea Party of Ernest Shackleton's Trans-Antarctic Expedition, 1914-16, in memory of three members of the party who died in the vicinity in 1916.
18. Hut at Hut Point, Ross Island (Latitude 77 degrees 51'S, Longitude 166 degrees 37'E), built in February 1902 by Captain Robert Falcon Scott.
19. Cross at Hut Point, Ross Island (Latitude 77 degrees 51'S, Longitude 166 degrees 37'E), erected in February 1904 by the British Antarctic Expedition, 1901-04, in memory of T. Vince.
20. Cross on Observation Hill, Ross Island (Latitude 77 degrees 51'S, Longitude 166 degrees 40'E), erected in January 1913 by the British Antarctic Expedition 1910-13, in memory of Captain Robert Falcon Scott's party which perished on the return journey from the South Pole, March 1912.
21. Stone hut at Cape Crozier, Ross Island (Latitude 77 degrees 32'S, Longitude 169 degrees 18'E), constructed in July 1911 by Edward Wilson's party (British Antarctic Expedition 1910-13).
22. Hut at Cape Adare (Latitude 71 degrees 17'S, Longitude 170 degrees 15'E), built in February 1899 during the Southern Cross Expedition led by C. E. Borchgrevink.

23. Grave at Cape Adare (Latitude 71 degrees 17'S, Longitude 170 degrees 15'E), of Norwegian biologist, Nicolai Hanson, a member of C.E. Borchgrevink's Southern Cross' Expedition, 1899-1900. (The first known grave in the Antarctic.)
24. Rock cairn, known as 'Amundsen's Cairn', on Mount Betty, Queen Maud Range (Latitude 85 degrees 11'S, Longitude 163 degrees 45'W) erected by Roald Amundsen on 6 January, 1912, on his way back to 'Framheim' from the South Pole.
25. Hut and plaque on Peter I Oy (Latitude 68 degrees 47'S, Longitude 90 degrees 42'W), built by the Norwegian Captain Nils Larsen in February 1929 at Framnaesodden.
26. Abandoned installations of Argentine Station 'General San Martin' on Barry Island, Debenham Islands, Marguerite Bay (Latitude 68 degrees 08'S), Longitude 67 degrees 08'W), with cross, flag mast, and monolith built in 1951.
27. Cairn with plaque on Megalestris Hill, Petermann Island (Latitude 65 degrees 10'S, Longitude 64 degrees 10'W), erected in 1908 by the second French expedition led by J-B. Charcot.
28. Rock cairn at Port Charcot, Booth Island (Latitude 65 degrees 03'S, Longitude 64 degrees 01'W), with wooden pillar and plaque inscribed with the names of the first French expedition led by J-B. Charcot which wintered here in 1904 aboard Le Francais.
29. Lighthouse named 'Primero de Mayo' erected on Lambda Island, Melchior Islands (Latitude 64 degrees 18'S, Longitude 62 degrees 59'W).
30. Shelter at Paradise Harbour (Latitude 64 degrees 49'S, Longitude 62 degrees 51'W), erected in 1950 near the Chilean Base 'Gabriel Gonzales Videla' to honour Gabriel Gonzales Videla.
31. Memorial plaque marking the position of a former cemetery on Deception Island (Latitude 62 degrees 59'S, Longitude 60 degrees 34'W) where some 40 Norwegian whalers were buried in the first half of the twentieth century.
32. Concrete monolith, near Arturo Prat Base on Greenwich Island (Latitude 62 degrees 29'S, Longitude 59 degrees 40'W), erected in 1947.
33. Shelter and cross with plaque near Arturo Prat Base, Greenwich Island (Latitude 62 degrees 30'S, Longitude 59 degrees 41'W), erected in memory of Lieutenant-Commander Gonzalez Pacheco.
34. Bust of the Chilean naval hero Arturo Prat erected in 1947 at the base of the same name on Greenwich Island (Latitude 62 degrees 30'S, Longitude 59 degrees 41'W).

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35. Wooden cross and statute of the Virgin of Carmen erected in 1947 near Arturo Prat Base on Greenwich Island (Latitude 62 degrees 30'S, Longitude 59 degrees 41'W).
36. Metal plaque at Potter Cove, King George Island (Latitude 62 degrees 13'S, Longitude 58 degrees 42'W), erected by Eduard Dallmann to commemorate the visit of his German expedition on 1 March, 1874.
37. Statue of Bernard O'Higgins, erected in 1948, in front of the station of the same name (Latitude 63 degrees 19'S, Longitude 57 degrees 54'W).
38. Hut on Snow Hill Island (Latitude 64 degrees 24'S, Longitude 57 degrees 00'W) built in February 1902 by the main party of the Swedish Polar Expedition, led by Otto Nordenskjöld.
39. Stone hut at Hope Bay (Latitude 63 degrees 24'S, Longitude 56 degrees 59'W), built in January 1903 by a party of the Swedish South Polar Expedition.
40. Bust of General San Martin, grotto with a statue of the Virgin of Lujan, and a flag mast at Base 'Esperanza', Hope Bay (Latitude 63 degrees 24'S, Longitude 56 degrees 59'W), erected in 1955 together with a graveyard with stele in memory of members of Argentine expeditions who died in the area.
41. Stone hut on Paulet Island (Latitude 63 degrees, 35'S, Longitude 55 degrees 47's W), built in February 1903 by the Norwegian C. A. Larsen, of the Swedish South Polar Expedition led by Otto Nordenskjöld, together with the grave of a member of that expedition.
42. Area at Scotia Bay, Laurie Island, South Orkney Island (Latitude 60 degrees 46'S, Longitude 44 degrees 40'W), in which are found: stone hut built in 1903 by the Scottish Expedition led by W. S. Bruce; the Argentine Meteorological and Magnetic Observatory, built in 1903; and a graveyard with seven tombs dating from 1903.
43. Cross erected in 1955, at a distance of 1,300 metres north-east of the Argentine Base 'General Belgrano' at Piedrabuena Bay, Filchner Ice Shelf (Latitude 77 degrees 49'S, Longitude 38 degrees 02'W).
44. Plaque erected at the temporary Indian station 'Dakshin Gangotri', Princess Astrid Kyst, Dronning Maud Land (Latitude 70 degrees 45'S, Longitude 11 degrees 38'E), listing the names of the members of the First Indian Antarctic Expedition which landed nearby on 9 January 1982.
45. Plaque on Brabant Island, on Metchnikoff Point, (Latitude 64 degrees 02' S, Longitude 62 degrees 34'W), erected by de Gerlache to

commemorate the first landing on Brabant Island by the Belgian Antarctica expedition 1897-99.

46. The building and installations of Port Martin base, Terre Adelie (Latitude 66 degrees 49'S, Longitude 141 degrees 24'E) constructed in 1950 by the 3rd French expedition and partly destroyed by fire during the night of 23 to 24 January 1952.

47. Wooden building called 'Base Marret' on the Ile des Petrels, Terre Adelie (Latitude 66 degrees 40'S, Longitude 140 degrees 01'E).

48. Cross erected on the North-East headland of the Ile des Petrels, Terre Adelie (Latitude 66 degrees 40'S, Longitude 140 degrees 01'E) in memory of Andre Prudhomme.

49. The concrete pillar erected in January 1959 by the First Polish Antarctic Expedition at Dobrolowski Station on the Bunger Hill (Latitude 66 degrees 16.3'S, Longitude 100 degrees 45'E, h = 35.4m) to measure acceleration due to gravity.

50. A commemorative plaque mounted on a sea cliff on the Fildes Peninsula, King George Island, Maxwell Bay (Latitude 62 degrees 12'S, Longitude 58 degrees 54'W), south-west of the Chilean and Soviet stations in memory of Professor Siedlecki Tazar.

51. The grave of Wlodzimierz Puchalski, surmounted by an iron cross, on a hill to the south of Arctowski Station on King George Island (Latitude 62 degrees 09'S, Longitude 58 degrees 28'W).

52. Monolith erected to commemorate the establishment in February 1985 of the 'Great Wall Station' on Fildes Peninsula, King George Island (Latitude 62 degrees 13'S, Longitude 58 degrees 58'W), in the South Shetland Islands.

53. Monoliths and commemorative plaques and bronze busts of Luis Pardo Villalon on Elephant Island (Latitude 61 degrees 03'S, Longitude 54 degrees 50'W) and their replicas on the Chilean bases 'Arturo Prat' (Latitude 62 degrees 30'S, Longitude 59 degrees 49'W) and 'Rodolfo Marsh' (Latitude 62 degrees 12'S, Longitude 62 degrees 12'W), celebrating the rescue of survivors of the British ship "Endurance" by the Chilean Navy cutter "Yelcho".

54. Richard E. Byrd Historic Monument, McMurdo Station, Antarctica (Latitude 77 degrees 51'S, Longitude 166 degrees 40'E) with inscriptions describing the polar achievements of Richard Evelyn Byrd.

55. East Base, Antarctica, Stonington Island (Latitude 68 degrees 11'S, Longitude 67 degrees 00'W). Buildings and artefacts used during the Antarctic Service Expedition (1940-41) and the Ronne Antarctic Research Expedition (1947-48).

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56. Waterboat Point, Danco Coast, Antarctic Peninsula (Latitude 64 degrees 49'S, Longitude 62 degrees 52'W). The remains and immediate environs of the Waterboat Point hut, situated close to the unoccupied Chilean station, 'President Gabriel Gonzalez Videla'.

57. Commemorative plaque at Yankee Bay, MacFarland Strait, Greenwich Island, South Shetland Islands, near the Chilean refuge located at Latitude 62 degrees 32'S, Longitude 59 degrees 45'W, to the memory of Captain Robert MacFarlane.

58. Cairn with memorial plaque erected at Whalers' Bay, Deception Island, South Shetland Islands, in the vicinity of the whalers' cemetery (Latitude 62 degrees 59'S, Longitude 60 degrees 34'W) to honour Captain Adolfus Amadus Andresen.

59. A cairn on Half Moon beach, Cape Shirreff, Livingston Island, South Shetland Islands (Latitude 62 degrees 29'S, Longitude 60 degrees 47'W), commemorating the officers, soldiers and seamen on board the San Telmo, which sank in September 1819.

60. Wooden plaque and rock cairn located at Penguins bay, southern coast of Seymour Island (Marambio), James Ross Archipelago (Latitude 64 degrees 16'00" S, Longitude 56 degrees 39'10"W) in memory of the 1903 Swedish Expedition led by Dr Otto Nordenskjold.

SCHEDULE 3

(regulation 14)

PROTECTED PLACES

No. 1

Seal Islands, South Shetland Islands

Latitude 60 degrees 59'S; Longitude 55 degrees 23'W

The Seal Islands are composed of small islands and skerries located approximately 7 km north of the Northwest corner of Elephant Island, South Shetland Islands. The Seal Islands Protected Place includes the entire Seal Islands group, which is defined as Seal Island plus any land or rocks exposed at mean low tide within a distance of 5.5 km of the point of highest elevation on Seal Island. Seal Island is the largest island of the group, and is situated at Lat. 60 degrees 59'S, Longitude, 55 degrees 23'W.

The Seal Islands cover an area approximately 5.7 km from east to west and 5 km from north to south. Seal Island is joined to the adjacent island to the west by a narrow sand bar that is approximately 50 m Longitude.

No. 2
Cape Shirreff and the San Telmo Islands,
South Shetland Islands
Lat. 62 degrees 27'S; Longitude 60 degrees 47'W

Cape Shirreff is a low, ice-free peninsula towards the western end of the north coast of Livingston Island, South Shetland Islands, situated at Lat. 62 degrees 27'S, Longitude 60 degrees 47'W, between Barclay Bay and Hero Bay. San Telmo Island is the largest of a small group of ice-free rock islets, approximately 2 km west of Cape Shirreff. Cape Shirreff is approximately 3 km from north to south and 0.5 to 1.2 km from east to west.

No man-made markers indicate the limits of the Protected Place, the boundaries being defined by natural features (i.e. coastlines or glacial margins). Its southern boundary is bordered by a permanent glacial ice barrier, which is located at the narrowest part of the Cape. The eastern side of the base of the Cape has two beaches with a total length of about 600 m. Above this the extremity of the Cape has a rocky barrier about 150 m Longitude. The western side is formed by almost continuous cliffs 10 to 15 m high. Near the southern base of the Cape on the western side is a small sandy beach approximately 50 m Longitude.

