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Report and recommendations of the Legal and Technical Commission to the Council of the International Seabed Authority relating to an application for the approval of a plan of work for exploration for cobalt-rich ferromanganese crusts by Companhia de Pesquisa de Recursos Minerais

I. Introduction

1. On 31 December 2013, the Secretary-General of the International Seabed Authority received an application for the approval of a plan of work for exploration for cobalt-rich ferromanganese crusts in the Area. The application was submitted pursuant to the Regulations on Prospecting and Exploration for Cobalt-rich Ferromanganese Crusts in the Area (“the Regulations”, [ISBA/18/A/11](#), annex). The application covers a total surface area of 3,000 square kilometres, located in the Rio Grande Rise in the South Atlantic Ocean.

2. In accordance with regulation 22 (c) of the Regulations, by a note verbale dated 31 December 2013, the Secretary-General notified the members of the International Seabed Authority of the receipt of the application and circulated information of a general nature concerning it. The Secretary-General also placed consideration of the application as an item on the agenda of the meeting of the Legal and Technical Commission held from 3 to 13 February 2014.

II. Methodology for consideration of the application by the Legal and Technical Commission

A. General methodology applied by the Commission in consideration of the application

3. In its consideration of the application, the Commission noted that, in keeping with the scheme established in article 6 of annex III to the United Nations Convention on the Law of the Sea, it was first required to make an objective determination as to whether the applicant had fulfilled the requirements contained in



the Regulations, particularly with respect to the form of applications, namely, whether the applicant had provided the necessary undertakings and assurances specified in regulation 15; and whether it had the necessary financial and technical capability to carry out the proposed plan of work for exploration. The Commission is then required to determine, in accordance with regulation 23, paragraph 4, and its procedures, whether the proposed plan of work will provide for effective protection of human health and safety and effective protection and preservation of the marine environment and will ensure that installations are not established where interference may be caused to the use of recognized sea lanes essential to international navigation or in areas of intense fishing activity. Regulation 23, paragraph 5, provides that if the Commission makes the determinations specified in paragraph 3 and determines that the proposed plan of work for exploration meets the requirements of paragraph 4, the Commission shall recommend approval of the plan of work for exploration to the Council.

4. In considering the proposed plan of work for exploration for cobalt-rich ferromanganese crusts, the Commission took into account the principles, policies and objectives relating to activities in the Area as provided for in Part XI of and annex III to the Convention and in the Agreement relating to the implementation of Part XI of the United Nations Convention on the Law of the Sea.

B. Consideration of the application

5. The Commission considered the application in closed meetings on 7 and 10 February 2014, and on 8 July 2014.

6. Prior to commencing a detailed examination of the application, the Commission invited the applicant's representative, Roberto Ventura Santos, Director of Geology and Mineral Resources of Companhia de Pesquisa de Recursos Minerais, accompanied by the Permanent Representative of Brazil to the Authority, Antonio Francisco Da Costa e Silva Neto, Eugênio Pires Frazão, Geological Researcher of Companhia de Pesquisa de Recursos Minerais, Claudia Maria Rezende de Souza, Executive Coordinator of the company and José Angel Alvarez Perez, Professor and Researcher at the University of Vale do Rio Doce, to make a presentation of the application. Members of the Commission then asked questions in order to obtain clarification on certain aspects of the application before convening in closed session to examine the application in detail. Following its initial consideration, the Commission decided to request the Chair of the Commission to transmit a list of questions to the applicant in writing through the Secretary-General. The Commission decided to defer consideration of the application and to take it up as a matter of priority at its next meeting in July 2014. The written responses provided by the applicant, which supplemented the equivalent parts of the application as originally submitted, were taken into account by the Commission in its subsequent consideration of it at its meetings in July.

III. Summary of basic information regarding the application

A. Identification of the applicant

7. The name and address of the applicant are as follows:

- (a) Name: Companhia de Pesquisa de Recursos Minerais;
- (b) Street address: SGAN, 603, Conj. J., Parte A, 1º andar, Brasília, DF, Brazil, Postcode 70830-100;
- (c) Postal address: not applicable;
- (d) Telephone number: +55-61-32259500;
- (e) Facsimile number: +55-61-32253985;
- (f) E-mail address: manael.barretto@cprm.gov.br.

8. The applicant's designated representative is:

- (a) Name: Roberto Ventura Santos, Director of Geology and Mineral Resources of Companhia de Pesquisa de Recursos Minerais;
- (b) Street and postal addresses: same as above;
- (c) Telephone number: +55-61-32231059;
- (d) Facsimile number: +55-61-3224-0687;
- (e) E-mail address: roberto.ventura@cprm.gov.br;
- (f) Applicant's place of registration and principal place of business/domicile: Brasília, DF, Brazil.

9. The applicant is a State enterprise which operates as the Geological Survey of Brazil, under the scope of the Ministry of Mining and Energy. The applicant was established by National Act No. 764 of 15 August 1969 and was transformed into a State enterprise by Act No. 8970 of 28 December 1994. Its bylaws were approved by Decree No. 1524 of 20 June 1995. The applicant provided a copy of the official registry in the Brazilian Internal Revenue Service, which attests to its existence.

B. Sponsorship

10. The sponsoring State is Brazil.

11. The date of deposit of the sponsoring State's instrument of ratification of the United Nations Convention on the Law of the Sea is 22 December 1988 and the date of the sponsoring State's consent to be bound by the Agreement relating to the implementation of Part XI of the Convention is 25 October 2007.

12. The date of the certificate of sponsorship is 24 December 2013; it was issued by the Minister of External Relations of Brazil, Luiz Alberto Figueiredo Machado.

13. The certificate of sponsorship states that the applicant is a State enterprise under the effective control of the Ministry of Mining and Energy of the Federative Republic of Brazil. It further states that the sponsoring State assumes responsibility for the activities of the applicant in accordance with article 139, paragraph 4, of article 153 of the United Nations Convention on the Law of the Sea and paragraph 4 of article 4 of annex III to the Convention.

C. Area under application

14. The area located on the Rio Grande Rise comprises 150 blocks, each with an area of 20 square kilometres. The blocks are grouped into 8 clusters, each containing from 5 to 56 contiguous blocks. Each block is rectangular or square in shape. All the blocks are located entirely within a geographical area measuring not more than 550 kilometres by 550 kilometres. The coordinates and general location of the area under application are shown in the annex to the present document.

D. Other information

15. The applicant has not been previously awarded any contract with the Authority.

16. In accordance with regulation 15 of the Regulations, the application includes a written undertaking dated 17 December 2013 and signed by Manoel Barreto da Rocha Neto, the applicant's Director President.

17. The applicant elects to offer an equity interest in a joint venture arrangement, in accordance with regulation 19.

18. The applicant has paid a fee of \$500,000 in accordance with regulation 21.

IV. Examination of information and technical data submitted by the applicant

19. The following technical documents and information were provided:

- (a) Information relating to the area under application;
- (i) Charts of the location of the blocks;
- (ii) A list of the coordinates of blocks under application, in accordance with the World Geodetic System 1984;
- (b) A certificate of sponsorship;
- (c) Information to enable the Council to determine whether the applicant is financially capable of carrying out the proposed plan of work for exploration;
- (d) Information to enable the Council to determine whether the applicant is technically capable of carrying out the proposed plan of work for exploration;
- (e) Plan of work for exploration;
- (f) Training programme;
- (g) Written undertakings by the applicant.

V. Consideration of financial and technical qualifications of the applicant

A. Financial capacity

20. The applicant declared its financial capacity to carry out the proposed plan of work for exploration and fulfilled its financial obligations to the Authority. The Commission noted that the applicant provided a financial statement dated 24 December 2013 duly signed by the Minister of External Relations of Brazil, Luiz Alberto Figueiredo Machado.

B. Technical capacity

21. The applicant states that it has been conducting scientific and technologic research activities in the field of geology for over 40 years, both in Brazil and overseas. With respect to marine geology, the applicant participated in specific programmes for marine research on mineral resources, such as the Programme for Prospecting and Exploration of Mineral Resources in the international seabed area of the South and Equatorial Atlantic and the Programme for the Assessment of the Mineral Potential of the Brazilian Legal Continental Shelf. Since 2009, the sponsoring State has been developing activities related to marine geology and biodiversity in the South Atlantic, including on the prominent feature of Rio Grande Rise.

22. The Commission noted that the applicant also provided details concerning the equipment, such as research vessels, geological and geophysical sampling equipment, remotely operated vehicles and autonomous submersibles, as well as methods that will be used to carry out the proposed plan of work for exploration. The applicant provided detailed information on its geological and environmental sampling survey objectives and strategies and monitoring activities on the flat areas, but also on the rift zone for environmental purposes only, including the assessment of vulnerable marine ecosystems and the delineation of preservation reference areas. The applicant stated that it would deposit annually data products related to the proposed plan of work for exploration. The applicant further stated that it would adopt a precautionary approach in the planning of an environmental baseline study and geological sampling strategies in order to avoid or minimize unforeseen harmful impact to the environment.

23. The applicant also provided information related to the prevention, reduction and control of hazards and possible impacts to the marine environment. The applicant stated that it had the capacity to respond to any incidents and activities that may potentially cause serious damage to the marine environment. The applicant has adopted internationally accepted measures to prevent, reduce and control pollution of the marine environment as set out, in particular, in the Convention for the Prevention of Pollution from Ships (MARPOL 73/78). The applicant also indicated that it managed environmental programmes, such as the national programme for research in environmental geochemistry and medical geology, the national centre for risk and disaster management plan, and the national risk management and disaster response.

VI. Consideration of data and information submitted for approval of the plan of work for exploration

24. In accordance with regulation 20 of the Regulations, the application included the following information for approval of the plan of work for exploration:

(a) A general description and a schedule of the proposed exploration programme, including the programme of activities for the immediate five-year period, such as studies to be undertaken in respect of the environmental, technical, economic and other appropriate factors that must be taken into account in exploration;

(b) A description of the programme for oceanographic and environmental baseline studies in accordance with those Regulations and any environmental rules, regulations and procedures established by the Authority that would enable an assessment of the potential environmental impact, including, but not restricted to, the impact on biodiversity, of the proposed exploration activities, taking into account any recommendations issued by the Legal and Technical Commission;

(c) A preliminary assessment of the possible impact of the proposed exploration activities on the marine environment;

(d) A description of proposed measures for the prevention, reduction and control of pollution and other hazards, as well as possible impacts, to the marine environment;

(e) Data necessary for the Council to make the determination it is required to make in accordance with regulation 13 (1);

(f) A schedule of anticipated yearly expenditures in respect of the programme of activities for the immediate five-year period.

VII. Training programme

25. The Commission noted that the applicant provided a detailed proposal which would offer up to 10 opportunities for the first five-year programme of activities. The proposed programme also includes details of the content, objectives and schedule of training opportunities. The Commission highlighted the fact that, in developing the training programme, the applicant and the Secretary-General should ensure that the training programme is in line with the Recommendations for the guidance of contractors and sponsoring States relating to training programmes under plans of work for exploration, as developed by the Commission during the nineteenth session ([ISBA/19/LTC/14](#)).

VIII. Conclusion and recommendations

26. Having examined the particulars submitted by the applicant, which are summarized in sections III to VII above, the Commission is satisfied that the application has been duly submitted in accordance with the Regulations and that the applicant:

(a) Has complied with the provisions of the Regulations;

(b) Has given the undertakings and assurances specified in regulation 15 of the Regulations;

(c) Possesses the financial and technical capability to carry out the proposed plan of work for exploration.

27. The Commission states that none of the conditions in regulation 23, paragraph 6, of the Regulations apply.

28. With respect to the proposed plan of work for exploration, the Commission is satisfied that the proposed plan of work for exploration will:

(a) Provide for effective protection of human health and safety;

(b) Provide for effective protection and preservation of the marine environment;

(c) Ensure that installations are not established where interference may be caused to the use of recognized sea lanes essential to international navigation or in areas of intense fishing activity.

29. Accordingly, pursuant to regulation 23, paragraph 5, of the Regulations, the Commission recommends to the Council approval of the plan of work for exploration submitted by Companhia de Pesquisa de Recursos Minerais.

Annex I

List of coordinates of the area under application

List of coordinates of the blocks under application (in accordance with the World Geodetic System 84)

<i>BLOCK</i>	<i>AREA (km²)</i>	<i>SECTOR</i>	<i>LATITUDE</i>	<i>LONGITUDE</i>
66	20	SECTOR 1	-30.78144705	-36.06689483
66	20	SECTOR 1	-30.78020124	-36.11907393
66	20	SECTOR 1	-30.74416066	-36.11791094
66	20	SECTOR 1	-30.74540471	-36.06575123
66	20	SECTOR 1	-30.78144706	-36.06689483
67	20	SECTOR 1	-30.78267192	-36.01471252
67	20	SECTOR 1	-30.78144706	-36.06689483
67	20	SECTOR 1	-30.74540471	-36.06575123
67	20	SECTOR 1	-30.74662783	-36.01358829
67	20	SECTOR 1	-30.78267192	-36.01471252
71	20	SECTOR 1	-30.72487621	-36.16947702
71	20	SECTOR 1	-30.72228538	-36.27376053
71	20	SECTOR 1	-30.70426769	-36.27315135
71	20	SECTOR 1	-30.70557263	-36.22102095
71	20	SECTOR 1	-30.70685667	-36.16888717
71	20	SECTOR 1	-30.72487621	-36.16947702
72	20	SECTOR 1	-30.74416067	-36.11791094
72	20	SECTOR 1	-30.7428957	-36.17006739
72	20	SECTOR 1	-30.72487621	-36.16947702
72	20	SECTOR 1	-30.70685667	-36.16888717
72	20	SECTOR 1	-30.70811984	-36.11675006
72	20	SECTOR 1	-30.74416067	-36.11791094
73	20	SECTOR 1	-30.74540471	-36.06575123
73	20	SECTOR 1	-30.74416067	-36.11791094

<i>BLOCK</i>	<i>AREA (km²)</i>	<i>SECTOR</i>	<i>LATITUDE</i>	<i>LONGITUDE</i>
73	20	SECTOR 1	-30.70811984	-36.11675006
73	20	SECTOR 1	-30.70936212	-36.06460969
73	20	SECTOR 1	-30.74540471	-36.06575123
79	20	SECTOR 1	-30.70557263	-36.22102095
79	20	SECTOR 1	-30.7042677	-36.27315135
79	20	SECTOR 1	-30.66823212	-36.27193466
79	20	SECTOR 1	-30.66953519	-36.21982354
79	20	SECTOR 1	-30.70557263	-36.22102095
80	20	SECTOR 1	-30.70685667	-36.16888717
80	20	SECTOR 1	-30.70557263	-36.22102095
80	20	SECTOR 1	-30.66953519	-36.21982354
80	20	SECTOR 1	-30.67081741	-36.16770906
80	20	SECTOR 1	-30.70685667	-36.16888717
81	20	SECTOR 1	-30.70811984	-36.11675006
81	20	SECTOR 1	-30.70685667	-36.16888717
81	20	SECTOR 1	-30.67081741	-36.16770906
81	20	SECTOR 1	-30.67207878	-36.11559126
81	20	SECTOR 1	-30.70811984	-36.11675006
82	20	SECTOR 1	-30.70936212	-36.06460969
82	20	SECTOR 1	-30.70811984	-36.11675006
82	20	SECTOR 1	-30.67207878	-36.11559126
82	20	SECTOR 1	-30.67331928	-36.0634702
82	20	SECTOR 1	-30.70936212	-36.06460969
83	20	SECTOR 1	-30.66823212	-36.27193466
83	20	SECTOR 1	-30.6669082	-36.32404234
83	20	SECTOR 1	-30.63087427	-36.32280858
83	20	SECTOR 1	-30.6321963	-36.27072014
83	20	SECTOR 1	-30.66823212	-36.27193466
84	20	SECTOR 1	-30.66953519	-36.21982354

<i>BLOCK</i>	<i>AREA (km²)</i>	<i>SECTOR</i>	<i>LATITUDE</i>	<i>LONGITUDE</i>
84	20	SECTOR 1	-30.66823212	-36.27193466
84	20	SECTOR 1	-30.6321963	-36.27072014
84	20	SECTOR 1	-30.63349751	-36.2186283
84	20	SECTOR 1	-30.66953519	-36.21982354
85	20	SECTOR 1	-30.67081741	-36.16770906
85	20	SECTOR 1	-30.66953519	-36.21982354
85	20	SECTOR 1	-30.63349751	-36.2186283
85	20	SECTOR 1	-30.63477791	-36.16653308
85	20	SECTOR 1	-30.67081741	-36.16770906
86	20	SECTOR 1	-30.67207878	-36.11559126
86	20	SECTOR 1	-30.67081741	-36.16770906
86	20	SECTOR 1	-30.63477791	-36.16653308
86	20	SECTOR 1	-30.63603748	-36.11443455
86	20	SECTOR 1	-30.67207878	-36.11559126
87	20	SECTOR 1	-30.62953142	-36.37489354
87	20	SECTOR 1	-30.62816778	-36.42697498
87	20	SECTOR 1	-30.59213747	-36.42570501
87	20	SECTOR 1	-30.59349917	-36.37364278
87	20	SECTOR 1	-30.62953142	-36.37489354
88	20	SECTOR 1	-30.63087427	-36.32280858
88	20	SECTOR 1	-30.62953142	-36.37489354
88	20	SECTOR 1	-30.59349917	-36.37364278
88	20	SECTOR 1	-30.5948401	-36.32157704
88	20	SECTOR 1	-30.63087427	-36.32280858
89	20	SECTOR 1	-30.6321963	-36.27072014
89	20	SECTOR 1	-30.63087427	-36.32280858
89	20	SECTOR 1	-30.5948401	-36.32157704
89	20	SECTOR 1	-30.59616024	-36.26950783
89	20	SECTOR 1	-30.6321963	-36.27072014

<i>BLOCK</i>	<i>AREA (km²)</i>	<i>SECTOR</i>	<i>LATITUDE</i>	<i>LONGITUDE</i>
90	20	SECTOR 1	-30.63349751	-36.2186283
90	20	SECTOR 1	-30.6321963	-36.27072014
90	20	SECTOR 1	-30.59616024	-36.26950783
90	20	SECTOR 1	-30.59745959	-36.2174352
90	20	SECTOR 1	-30.63349751	-36.2186283
91	20	SECTOR 1	-30.59349917	-36.37364278
91	20	SECTOR 1	-30.59213747	-36.42570501
91	20	SECTOR 1	-30.55610691	-36.42443733
91	20	SECTOR 1	-30.55746666	-36.37239427
91	20	SECTOR 1	-30.59349917	-36.37364278
92	20	SECTOR 1	-30.5948401	-36.32157704
92	20	SECTOR 1	-30.59349918	-36.37364278
92	20	SECTOR 1	-30.55746667	-36.37239427
92	20	SECTOR 1	-30.55880568	-36.32034772
92	20	SECTOR 1	-30.5948401	-36.32157704
93	20	SECTOR 1	-30.59616025	-36.26950783
93	20	SECTOR 1	-30.5948401	-36.32157704
93	20	SECTOR 1	-30.55880568	-36.32034772
93	20	SECTOR 1	-30.56012395	-36.26829769
93	20	SECTOR 1	-30.59616025	-36.26950783
94	20	SECTOR 1	-30.5974596	-36.2174352
94	20	SECTOR 1	-30.59616025	-36.26950783
94	20	SECTOR 1	-30.56012395	-36.26829769
94	20	SECTOR 1	-30.56142144	-36.21624426
94	20	SECTOR 1	-30.5974596	-36.2174352
95	20	SECTOR 1	-30.57170821	-36.16448021
95	20	SECTOR 1	-30.59873817	-36.16535921
95	20	SECTOR 1	-30.5974596	-36.2174352
95	20	SECTOR 1	-30.56142144	-36.21624426

<i>BLOCK</i>	<i>AREA (km²)</i>	<i>SECTOR</i>	<i>LATITUDE</i>	<i>LONGITUDE</i>
95	20	SECTOR 1	-30.56269819	-36.16418747
95	20	SECTOR 1	-30.57170821	-36.16448021
96	20	SECTOR 1	-30.55746667	-36.37239427
96	20	SECTOR 1	-30.55610691	-36.42443733
96	20	SECTOR 1	-30.54114542	-36.4239116
96	20	SECTOR 1	-30.5200761	-36.42317193
96	20	SECTOR 1	-30.52143391	-36.37114803
96	20	SECTOR 1	-30.55746667	-36.37239427
97	20	SECTOR 1	-30.56269819	-36.16418747
97	20	SECTOR 1	-30.56142144	-36.21624426
97	20	SECTOR 1	-30.52538305	-36.21505546
97	20	SECTOR 1	-30.52665796	-36.16301783
97	20	SECTOR 1	-30.56269819	-36.16418747
98	20	SECTOR 1	-30.572715	-36.12282855
98	20	SECTOR 1	-30.57170821	-36.16448021
98	20	SECTOR 1	-30.56269819	-36.16418747
98	20	SECTOR 1	-30.52665796	-36.16301783
98	20	SECTOR 1	-30.52766296	-36.12138535
98	20	SECTOR 1	-30.572715	-36.12282855
99	20	SECTOR 1	-30.5200761	-36.42317193
99	20	SECTOR 1	-30.54114542	-36.4239116
99	20	SECTOR 1	-30.53976573	-36.47594313
99	20	SECTOR 1	-30.5037368	-36.47465956
99	20	SECTOR 1	-30.5051145	-36.42264716
99	20	SECTOR 1	-30.5200761	-36.42317193
100	20	SECTOR 1	-30.52143391	-36.37114803
100	20	SECTOR 1	-30.5200761	-36.42317193
100	20	SECTOR 1	-30.5051145	-36.42264716
100	20	SECTOR 1	-30.48404505	-36.42190881

<i>BLOCK</i>	<i>AREA (km²)</i>	<i>SECTOR</i>	<i>LATITUDE</i>	<i>LONGITUDE</i>
100	20	SECTOR 1	-30.48540092	-36.36990402
100	20	SECTOR 1	-30.52143391	-36.37114803
101	20	SECTOR 1	-30.5037368	-36.47465956
101	20	SECTOR 1	-30.50233841	-36.52666835
101	20	SECTOR 1	-30.46631122	-36.52536801
101	20	SECTOR 1	-30.46770761	-36.47337831
101	20	SECTOR 1	-30.5037368	-36.47465956
102	20	SECTOR 1	-30.48404505	-36.42190881
102	20	SECTOR 1	-30.5051145	-36.42264716
102	20	SECTOR 1	-30.5037368	-36.47465956
102	20	SECTOR 1	-30.46770761	-36.47337831
102	20	SECTOR 1	-30.46908335	-36.42138499
102	20	SECTOR 1	-30.48404505	-36.42190881
103	20	SECTOR 1	-30.48540092	-36.36990402
103	20	SECTOR 1	-30.48404505	-36.42190881
103	20	SECTOR 1	-30.46908336	-36.42138499
103	20	SECTOR 1	-30.44801375	-36.42064798
103	20	SECTOR 1	-30.44936769	-36.36866225
103	20	SECTOR 1	-30.48540093	-36.36990402
104	20	SECTOR 1	-30.48673612	-36.31789572
104	20	SECTOR 1	-30.48540093	-36.36990402
104	20	SECTOR 1	-30.44936769	-36.36866225
104	20	SECTOR 1	-30.45070097	-36.31667303
104	20	SECTOR 1	-30.48673612	-36.31789572
105	20	SECTOR 1	-30.46770762	-36.47337831
105	20	SECTOR 1	-30.46631122	-36.52536801
105	20	SECTOR 1	-30.43028378	-36.52407002
105	20	SECTOR 1	-30.43167818	-36.47209936
105	20	SECTOR 1	-30.46770762	-36.47337831

<i>BLOCK</i>	<i>AREA (km²)</i>	<i>SECTOR</i>	<i>LATITUDE</i>	<i>LONGITUDE</i>
106	20	SECTOR 1	-30.44801375	-36.42064798
106	20	SECTOR 1	-30.46908336	-36.42138499
106	20	SECTOR 1	-30.46770762	-36.47337831
106	20	SECTOR 1	-30.43167818	-36.47209936
106	20	SECTOR 1	-30.43305195	-36.4201251
106	20	SECTOR 1	-30.44801375	-36.42064798
107	20	SECTOR 1	-30.44936769	-36.36866225
107	20	SECTOR 1	-30.44801375	-36.42064798
107	20	SECTOR 1	-30.43305195	-36.4201251
107	20	SECTOR 1	-30.41198221	-36.41938942
107	20	SECTOR 1	-30.41333421	-36.36742273
107	20	SECTOR 1	-30.44936769	-36.36866225
108	20	SECTOR 1	-30.45070097	-36.31667303
108	20	SECTOR 1	-30.44936769	-36.36866225
108	20	SECTOR 1	-30.41333421	-36.36742273
108	20	SECTOR 1	-30.41466558	-36.31545255
108	20	SECTOR 1	-30.45070097	-36.31667303
109	20	SECTOR 1	-30.50528226	-36.29769977
109	20	SECTOR 1	-30.5047536	-36.31850788
109	20	SECTOR 1	-30.48673612	-36.31789572
109	20	SECTOR 1	-30.45070097	-36.31667303
109	20	SECTOR 1	-30.41466558	-36.31545255
109	20	SECTOR 1	-30.41519235	-36.2946635
109	20	SECTOR 1	-30.50528226	-36.29769977
111	20	SECTOR 1	-30.43167818	-36.47209936
111	20	SECTOR 1	-30.43028378	-36.52407002
111	20	SECTOR 1	-30.3942561	-36.52277437
111	20	SECTOR 1	-30.3956485	-36.47082273
111	20	SECTOR 1	-30.43167818	-36.47209936

<i>BLOCK</i>	<i>AREA (km²)</i>	<i>SECTOR</i>	<i>LATITUDE</i>	<i>LONGITUDE</i>
112	20	SECTOR 1	-30.41198221	-36.41938942
112	20	SECTOR 1	-30.43305195	-36.4201251
112	20	SECTOR 1	-30.43167818	-36.47209936
112	20	SECTOR 1	-30.3956485	-36.47082273
112	20	SECTOR 1	-30.3970203	-36.41886748
112	20	SECTOR 1	-30.41198221	-36.41938942
113	20	SECTOR 1	-30.41333421	-36.36742273
113	20	SECTOR 1	-30.41198221	-36.41938942
113	20	SECTOR 1	-30.3970203	-36.41886748
113	20	SECTOR 1	-30.37595041	-36.41813313
113	20	SECTOR 1	-30.37730047	-36.36618544
113	20	SECTOR 1	-30.41333421	-36.36742273
115	20	SECTOR 1	-30.3942561	-36.52277437
115	20	SECTOR 1	-30.39284307	-36.57472237
115	20	SECTOR 1	-30.37400958	-36.57403604
115	20	SECTOR 1	-30.35681717	-36.57341008
115	20	SECTOR 1	-30.35822816	-36.52148106
115	20	SECTOR 1	-30.3942561	-36.52277437
116	20	SECTOR 1	-30.3956485	-36.47082273
116	20	SECTOR 1	-30.3942561	-36.52277437
116	20	SECTOR 1	-30.35822816	-36.52148106
116	20	SECTOR 1	-30.35961857	-36.46954839
116	20	SECTOR 1	-30.3956485	-36.47082273
117	20	SECTOR 1	-30.37595041	-36.41813313
117	20	SECTOR 1	-30.3970203	-36.41886748
117	20	SECTOR 1	-30.3956485	-36.47082273
117	20	SECTOR 1	-30.35961857	-36.46954839
117	20	SECTOR 1	-30.36098841	-36.41761213
117	20	SECTOR 1	-30.37595041	-36.41813313

<i>BLOCK</i>	<i>AREA (km²)</i>	<i>SECTOR</i>	<i>LATITUDE</i>	<i>LONGITUDE</i>
118	20	SECTOR 1	-30.35681717	-36.57341008
118	20	SECTOR 1	-30.37400958	-36.57403604
118	20	SECTOR 1	-30.37257704	-36.6259704
118	20	SECTOR 1	-30.33655305	-36.6246404
118	20	SECTOR 1	-30.33678314	-36.61634043
118	20	SECTOR 1	-30.33798354	-36.57272499
118	20	SECTOR 1	-30.35681717	-36.57341008
120	20	SECTOR 1	-30.35822816	-36.52148106
120	20	SECTOR 1	-30.35681717	-36.57341008
120	20	SECTOR 1	-30.33798354	-36.57272499
120	20	SECTOR 1	-30.32079101	-36.57210016
120	20	SECTOR 1	-30.32219998	-36.52019008
120	20	SECTOR 1	-30.35822816	-36.52148106
121	20	SECTOR 1	-30.35961857	-36.46954839
121	20	SECTOR 1	-30.35822816	-36.52148106
121	20	SECTOR 1	-30.32219998	-36.52019008
121	20	SECTOR 1	-30.32358839	-36.46827636
121	20	SECTOR 1	-30.35961857	-36.46954839
122	20	SECTOR 1	-30.36098841	-36.41761213
122	20	SECTOR 1	-30.35961857	-36.46954839
122	20	SECTOR 1	-30.32358839	-36.46827636
122	20	SECTOR 1	-30.32495626	-36.41635905
122	20	SECTOR 1	-30.36098841	-36.41761213
123	20	SECTOR 1	-30.33678314	-36.61634043
123	20	SECTOR 1	-30.33655305	-36.6246404
123	20	SECTOR 1	-30.3353354	-36.6682527
123	20	SECTOR 1	-30.31960638	-36.66766577
123	20	SECTOR 1	-30.2993129	-36.66690921
123	20	SECTOR 1	-30.30075856	-36.61501585

<i>BLOCK</i>	<i>AREA (km²)</i>	<i>SECTOR</i>	<i>LATITUDE</i>	<i>LONGITUDE</i>
123	20	SECTOR 1	-30.33678314	-36.61634043
125	20	SECTOR 1	-30.2993129	-36.66690921
125	20	SECTOR 1	-30.31960638	-36.66766577
125	20	SECTOR 1	-30.31813902	-36.71956598
125	20	SECTOR 1	-30.28211851	-36.71820467
125	20	SECTOR 1	-30.28329237	-36.67669991
125	20	SECTOR 1	-30.28358378	-36.66632335
125	20	SECTOR 1	-30.2993129	-36.66690921
126	20	SECTOR 1	-30.28211851	-36.71820467
126	20	SECTOR 1	-30.28063276	-36.77008216
126	20	SECTOR 1	-30.24461414	-36.76870445
126	20	SECTOR 1	-30.24531174	-36.74441041
126	20	SECTOR 1	-30.24609776	-36.71684582
126	20	SECTOR 1	-30.28211851	-36.71820467
127	20	SECTOR 1	-30.28329237	-36.67669991
127	20	SECTOR 1	-30.28211851	-36.71820467
127	20	SECTOR 1	-30.24609776	-36.71684582
127	20	SECTOR 1	-30.23709254	-36.71650648
127	20	SECTOR 1	-30.23826428	-36.67502058
127	20	SECTOR 1	-30.28329237	-36.67669991
130	20	SECTOR 1	-30.24531174	-36.74441041
130	20	SECTOR 1	-30.24461414	-36.76870445
130	20	SECTOR 1	-30.24381723	-36.79626698
130	20	SECTOR 1	-30.20779951	-36.79488177
130	20	SECTOR 1	-30.20928531	-36.74327292
130	20	SECTOR 1	-30.20929186	-36.74304401
130	20	SECTOR 1	-30.24531174	-36.74441041
133	20	SECTOR 1	-30.21405848	-36.88876327
133	20	SECTOR 1	-30.2125083	-36.94059463

<i>BLOCK</i>	<i>AREA (km²)</i>	<i>SECTOR</i>	<i>LATITUDE</i>	<i>LONGITUDE</i>
133	20	SECTOR 1	-30.17649655	-36.93915863
133	20	SECTOR 1	-30.1780445	-36.88734605
133	20	SECTOR 1	-30.21405848	-36.88876327
134	20	SECTOR 1	-30.20628001	-36.84694451
134	20	SECTOR 1	-30.21528391	-36.8472953
134	20	SECTOR 1	-30.21405848	-36.88876327
134	20	SECTOR 1	-30.1780445	-36.88734605
134	20	SECTOR 1	-30.16904097	-36.88699214
134	20	SECTOR 1	-30.1702642	-36.84554294
134	20	SECTOR 1	-30.20628001	-36.84694451
135	20	SECTOR 1	-30.20779287	-36.79511067
135	20	SECTOR 1	-30.20628001	-36.84694451
135	20	SECTOR 1	-30.1702642	-36.84554294
135	20	SECTOR 1	-30.17177489	-36.79372787
135	20	SECTOR 1	-30.20779287	-36.79511067
136	20	SECTOR 1	-30.20928531	-36.74327292
136	20	SECTOR 1	-30.20779951	-36.79488177
136	20	SECTOR 1	-30.20779287	-36.79511067
136	20	SECTOR 1	-30.17177489	-36.79372787
136	20	SECTOR 1	-30.17326519	-36.7419089
136	20	SECTOR 1	-30.20928531	-36.74327292
138	20	SECTOR 1	-30.17177489	-36.79372787
138	20	SECTOR 1	-30.1702642	-36.84554294
138	20	SECTOR 1	-30.13424815	-36.84414389
138	20	SECTOR 1	-30.13575667	-36.79234758
138	20	SECTOR 1	-30.17177489	-36.79372787

<i>BLOCK</i>	<i>AREA (km²)</i>	<i>SECTOR</i>	<i>LATITUDE</i>	<i>LONGITUDE</i>
110	20	SECTOR 2	-30.46583966	-35.9448277
110	20	SECTOR 2	-30.4648928	-35.98644073
110	20	SECTOR 2	-30.41983427	-35.98506642
110	20	SECTOR 2	-30.42050908	-35.95542968
110	20	SECTOR 2	-30.42077943	-35.94347247
110	20	SECTOR 2	-30.46583966	-35.9448277
114	20	SECTOR 2	-30.42050908	-35.95542968
114	20	SECTOR 2	-30.41983427	-35.98506642
114	20	SECTOR 2	-30.41932082	-36.00742111
114	20	SECTOR 2	-30.38327447	-36.0063157
114	20	SECTOR 2	-30.38426601	-35.96294777
114	20	SECTOR 2	-30.38446103	-35.95434332
114	20	SECTOR 2	-30.42050908	-35.95542968
119	20	SECTOR 2	-30.38426601	-35.96294777
119	20	SECTOR 2	-30.38327447	-36.0063157
119	20	SECTOR 2	-30.38307604	-36.01491964
119	20	SECTOR 2	-30.34702973	-36.01381309
119	20	SECTOR 2	-30.34738889	-35.99820501
119	20	SECTOR 2	-30.348218	-35.96186022
119	20	SECTOR 2	-30.38426601	-35.96294777
124	20	SECTOR 2	-30.34738889	-35.99820501
124	20	SECTOR 2	-30.34702973	-36.01381309
124	20	SECTOR 2	-30.34618621	-36.05015569
124	20	SECTOR 2	-30.32726163	-36.04956856
124	20	SECTOR 2	-30.31014088	-36.04903787
124	20	SECTOR 2	-30.31134184	-35.99710615
124	20	SECTOR 2	-30.34738889	-35.99820501
128	20	SECTOR 2	-30.28386412	-36.06900568
128	20	SECTOR 2	-30.28263563	-36.12091942

<i>BLOCK</i>	<i>AREA (km²)</i>	<i>SECTOR</i>	<i>LATITUDE</i>	<i>LONGITUDE</i>
128	20	SECTOR 2	-30.26043517	-36.12021649
128	20	SECTOR 2	-30.24659236	-36.11977858
128	20	SECTOR 2	-30.24781908	-36.06788375
128	20	SECTOR 2	-30.28386413	-36.06900568
129	20	SECTOR 2	-30.31014089	-36.04903787
129	20	SECTOR 2	-30.32726164	-36.04956856
129	20	SECTOR 2	-30.32677517	-36.07034397
129	20	SECTOR 2	-30.28386414	-36.06900568
129	20	SECTOR 2	-30.2478191	-36.06788375
129	20	SECTOR 2	-30.23666285	-36.06753692
129	20	SECTOR 2	-30.23714758	-36.04678043
129	20	SECTOR 2	-30.3101409	-36.04903787
131	20	SECTOR 2	-30.24659238	-36.11977858
131	20	SECTOR 2	-30.26043519	-36.12021649
131	20	SECTOR 2	-30.25918727	-36.17211535
131	20	SECTOR 2	-30.2400847	-36.17150111
131	20	SECTOR 2	-30.22314564	-36.17095692
131	20	SECTOR 2	-30.22439178	-36.11907693
131	20	SECTOR 2	-30.24659238	-36.11977858
132	20	SECTOR 2	-30.22314564	-36.17095692
132	20	SECTOR 2	-30.2400847	-36.17150111
132	20	SECTOR 2	-30.23881723	-36.22338669
132	20	SECTOR 2	-30.2027773	-36.22221051
132	20	SECTOR 2	-30.20337161	-36.19796011
132	20	SECTOR 2	-30.20404295	-36.17034378
132	20	SECTOR 2	-30.22314564	-36.17095692
137	20	SECTOR 2	-30.20337161	-36.19796011
137	20	SECTOR 2	-30.2027773	-36.22221051
137	20	SECTOR 2	-30.20209506	-36.24982508

<i>BLOCK</i>	<i>AREA (km²)</i>	<i>SECTOR</i>	<i>LATITUDE</i>	<i>LONGITUDE</i>
137	20	SECTOR 2	-30.16605589	-36.24864101
137	20	SECTOR 2	-30.16625628	-36.24054524
137	20	SECTOR 2	-30.1673306	-36.19679486
137	20	SECTOR 2	-30.20337161	-36.19796011
139	20	SECTOR 2	-30.16625628	-36.24054524
139	20	SECTOR 2	-30.16605589	-36.24864101
139	20	SECTOR 2	-30.16496432	-36.29238857
139	20	SECTOR 2	-30.12892647	-36.29119079
139	20	SECTOR 2	-30.12967225	-36.2613328
139	20	SECTOR 2	-30.13021657	-36.23936624
139	20	SECTOR 2	-30.16625628	-36.24054524
140	20	SECTOR 2	-30.12967225	-36.2613328
140	20	SECTOR 2	-30.12892647	-36.29119079
140	20	SECTOR 2	-30.1283735	-36.31315592
140	20	SECTOR 2	-30.09233621	-36.31195237
140	20	SECTOR 2	-30.09363308	-36.26014799
140	20	SECTOR 2	-30.12967225	-36.2613328
141	20	SECTOR 2	-30.09233621	-36.31195237
141	20	SECTOR 2	-30.09101897	-36.36375334
141	20	SECTOR 2	-30.05498332	-36.36253325
141	20	SECTOR 2	-30.05539578	-36.34638222
141	20	SECTOR 2	-30.05629867	-36.31075099
141	20	SECTOR 2	-30.09233621	-36.31195237
142	20	SECTOR 2	-30.05539578	-36.34638222
142	20	SECTOR 2	-30.05498332	-36.36253325
142	20	SECTOR 2	-30.05406644	-36.39816213
142	20	SECTOR 2	-30.01803189	-36.3969314
142	20	SECTOR 2	-30.01844292	-36.38098817
142	20	SECTOR 2	-30.0193593	-36.34517017

<i>BLOCK</i>	<i>AREA (km²)</i>	<i>SECTOR</i>	<i>LATITUDE</i>	<i>LONGITUDE</i>
142	20	SECTOR 2	-30.05539578	-36.34638222
143	20	SECTOR 2	-30.01844292	-36.38098817
143	20	SECTOR 2	-30.01803189	-36.3969314
143	20	SECTOR 2	-30.01710145	-36.43274701
143	20	SECTOR 2	-29.981068	-36.43150562
143	20	SECTOR 2	-29.98240752	-36.37976542
143	20	SECTOR 2	-30.01844292	-36.38098817
144	20	SECTOR 2	-29.981068	-36.43150562
144	20	SECTOR 2	-30.01710145	-36.43274701
144	20	SECTOR 2	-30.01655919	-36.45344955
144	20	SECTOR 2	-29.99552163	-36.45272016
144	20	SECTOR 2	-29.92647703	-36.45033171
144	20	SECTOR 2	-29.92701736	-36.42964775
144	20	SECTOR 2	-29.981068	-36.43150562
145	20	SECTOR 2	-29.92647703	-36.45033171
145	20	SECTOR 2	-29.99552163	-36.45272016
145	20	SECTOR 2	-29.99497657	-36.47341779
145	20	SECTOR 2	-29.92652793	-36.47103574
145	20	SECTOR 2	-29.90489603	-36.47028466
145	20	SECTOR 2	-29.90543913	-36.44960561
145	20	SECTOR 2	-29.92647703	-36.45033171
146	20	SECTOR 2	-29.90489603	-36.47028466
146	20	SECTOR 2	-29.92652793	-36.47103574
146	20	SECTOR 2	-29.92515488	-36.52274204
146	20	SECTOR 2	-29.88912437	-36.52147285
146	20	SECTOR 2	-29.89049544	-36.46978511
146	20	SECTOR 2	-29.90489603	-36.47028466
147	20	SECTOR 2	-29.89049544	-36.46978511
147	20	SECTOR 2	-29.88912437	-36.52147285

<i>BLOCK</i>	<i>AREA (km²)</i>	<i>SECTOR</i>	<i>LATITUDE</i>	<i>LONGITUDE</i>
147	20	SECTOR 2	-29.85309362	-36.52020597
147	20	SECTOR 2	-29.85341857	-36.50801132
147	20	SECTOR 2	-29.8544627	-36.46853673
147	20	SECTOR 2	-29.89049544	-36.46978511
148	20	SECTOR 2	-29.85478289	-36.45634124
148	20	SECTOR 2	-29.8544627	-36.46853673
148	20	SECTOR 2	-29.85341857	-36.50801132
148	20	SECTOR 2	-29.8173871	-36.5067511
148	20	SECTOR 2	-29.81874945	-36.45509948
148	20	SECTOR 2	-29.85478289	-36.45634124
149	20	SECTOR 2	-29.82009166	-36.40344435
149	20	SECTOR 2	-29.81874945	-36.45509948
149	20	SECTOR 2	-29.78271575	-36.45385998
149	20	SECTOR 2	-29.78405602	-36.4022233
149	20	SECTOR 2	-29.82009166	-36.40344435
150	20	SECTOR 2	-29.78405602	-36.4022233
150	20	SECTOR 2	-29.78271575	-36.45385998
150	20	SECTOR 2	-29.74668182	-36.45262273
150	20	SECTOR 2	-29.74802014	-36.40100445
150	20	SECTOR 2	-29.78405602	-36.4022233
<i>BLOCK</i>	<i>AREA (km²)</i>	<i>SECTOR</i>	<i>LATITUDE</i>	<i>LONGITUDE</i>
45	20	SECTOR 3	-30.95300091	-35.02456932
45	20	SECTOR 3	-30.95620884	-35.024637
45	20	SECTOR 3	-30.95537837	-35.07695384
45	20	SECTOR 3	-30.91930891	-35.07617383
45	20	SECTOR 3	-30.9201382	-35.0238766
45	20	SECTOR 3	-30.95300091	-35.02456932
46	20	SECTOR 3	-30.95364997	-34.98271569

<i>BLOCK</i>	<i>AREA (km²)</i>	<i>SECTOR</i>	<i>LATITUDE</i>	<i>LONGITUDE</i>
46	20	SECTOR 3	-30.95300091	-35.02456932
46	20	SECTOR 3	-30.9201382	-35.0238766
46	20	SECTOR 3	-30.90791255	-35.02361918
46	20	SECTOR 3	-30.90856046	-34.98178516
46	20	SECTOR 3	-30.95364997	-34.98271569
47	20	SECTOR 3	-30.9166943	-35.23305214
47	20	SECTOR 3	-30.91578052	-35.28534026
47	20	SECTOR 3	-30.87971585	-35.28448337
47	20	SECTOR 3	-30.88062833	-35.23221481
47	20	SECTOR 3	-30.9166943	-35.23305214
48	20	SECTOR 3	-30.91758696	-35.18076165
48	20	SECTOR 3	-30.9166943	-35.23305214
48	20	SECTOR 3	-30.88062833	-35.23221481
48	20	SECTOR 3	-30.88151972	-35.17994389
48	20	SECTOR 3	-30.91758696	-35.18076165
49	20	SECTOR 3	-30.91845849	-35.12846886
49	20	SECTOR 3	-30.91758696	-35.18076165
49	20	SECTOR 3	-30.88151972	-35.17994389
49	20	SECTOR 3	-30.88239002	-35.12767067
49	20	SECTOR 3	-30.91845849	-35.12846886
50	20	SECTOR 3	-30.91930891	-35.07617383
50	20	SECTOR 3	-30.91845849	-35.12846886
50	20	SECTOR 3	-30.88239002	-35.12767067
50	20	SECTOR 3	-30.88323923	-35.07539521
50	20	SECTOR 3	-30.91930891	-35.07617383
51	20	SECTOR 3	-30.90791255	-35.02361918
51	20	SECTOR 3	-30.9201382	-35.0238766
51	20	SECTOR 3	-30.91930891	-35.07617383
51	20	SECTOR 3	-30.88323923	-35.07539521

<i>BLOCK</i>	<i>AREA (km²)</i>	<i>SECTOR</i>	<i>LATITUDE</i>	<i>LONGITUDE</i>
51	20	SECTOR 3	-30.88406734	-35.02311756
51	20	SECTOR 3	-30.90791255	-35.02361918
52	20	SECTOR 3	-30.87971585	-35.28448337
52	20	SECTOR 3	-30.8787823	-35.33674952
52	20	SECTOR 3	-30.84271873	-35.33587464
52	20	SECTOR 3	-30.84365096	-35.28362801
52	20	SECTOR 3	-30.87971585	-35.28448337
53	20	SECTOR 3	-30.88062833	-35.23221481
53	20	SECTOR 3	-30.87971585	-35.28448337
53	20	SECTOR 3	-30.84365096	-35.28362801
53	20	SECTOR 3	-30.84456214	-35.23137898
53	20	SECTOR 3	-30.88062833	-35.23221481
54	20	SECTOR 3	-30.88151972	-35.17994389
54	20	SECTOR 3	-30.88062833	-35.23221481
54	20	SECTOR 3	-30.84456214	-35.23137898
54	20	SECTOR 3	-30.84545226	-35.1791276
54	20	SECTOR 3	-30.88151972	-35.17994389
55	20	SECTOR 3	-30.88239002	-35.12767067
55	20	SECTOR 3	-30.88151972	-35.17994389
55	20	SECTOR 3	-30.84545226	-35.1791276
55	20	SECTOR 3	-30.84632133	-35.12687392
55	20	SECTOR 3	-30.88239002	-35.12767067
56	20	SECTOR 3	-30.88323923	-35.07539521
56	20	SECTOR 3	-30.88239002	-35.12767067
56	20	SECTOR 3	-30.84632133	-35.12687392
56	20	SECTOR 3	-30.84716933	-35.074618
56	20	SECTOR 3	-30.88323923	-35.07539521
57	20	SECTOR 3	-30.84176545	-35.3881188
57	20	SECTOR 3	-30.84079112	-35.44036045

<i>BLOCK</i>	<i>AREA (km²)</i>	<i>SECTOR</i>	<i>LATITUDE</i>	<i>LONGITUDE</i>
57	20	SECTOR 3	-30.80473007	-35.43944817
57	20	SECTOR 3	-30.80570301	-35.38722601
57	20	SECTOR 3	-30.84176545	-35.3881188
58	20	SECTOR 3	-30.84271873	-35.33587464
58	20	SECTOR 3	-30.84176545	-35.3881188
58	20	SECTOR 3	-30.80570301	-35.38722601
58	20	SECTOR 3	-30.80665494	-35.33500133
58	20	SECTOR 3	-30.84271873	-35.33587464
59	20	SECTOR 3	-30.84365096	-35.28362801
59	20	SECTOR 3	-30.84271873	-35.33587464
59	20	SECTOR 3	-30.80665494	-35.33500133
59	20	SECTOR 3	-30.80702982	-35.31411077
59	20	SECTOR 3	-30.80758584	-35.2827742
59	20	SECTOR 3	-30.84365096	-35.28362801
60	20	SECTOR 3	-30.84456214	-35.23137898
60	20	SECTOR 3	-30.84365096	-35.28362801
60	20	SECTOR 3	-30.80758584	-35.2827742
60	20	SECTOR 3	-30.80849573	-35.23054467
60	20	SECTOR 3	-30.84456214	-35.23137898
61	20	SECTOR 3	-30.84545226	-35.1791276
61	20	SECTOR 3	-30.84456214	-35.23137898
61	20	SECTOR 3	-30.80849573	-35.23054467
61	20	SECTOR 3	-30.80938458	-35.17831278
61	20	SECTOR 3	-30.84545226	-35.1791276
62	20	SECTOR 3	-30.80473007	-35.43944817
62	20	SECTOR 3	-30.80373612	-35.49166777
62	20	SECTOR 3	-30.76767626	-35.49073769
62	20	SECTOR 3	-30.7686688	-35.43853754
62	20	SECTOR 3	-30.80473007	-35.43944817

<i>BLOCK</i>	<i>AREA (km²)</i>	<i>SECTOR</i>	<i>LATITUDE</i>	<i>LONGITUDE</i>
63	20	SECTOR 3	-30.80570301	-35.38722601
63	20	SECTOR 3	-30.80473007	-35.43944817
63	20	SECTOR 3	-30.7686688	-35.43853754
63	20	SECTOR 3	-30.76964035	-35.38633482
63	20	SECTOR 3	-30.80570301	-35.38722601
64	20	SECTOR 3	-30.80665494	-35.33500133
64	20	SECTOR 3	-30.80570301	-35.38722601
64	20	SECTOR 3	-30.76964035	-35.38633482
64	20	SECTOR 3	-30.77059092	-35.3341296
64	20	SECTOR 3	-30.80665494	-35.33500133
65	20	SECTOR 3	-30.76767626	-35.49073769
65	20	SECTOR 3	-30.80373612	-35.49166777
65	20	SECTOR 3	-30.80292583	-35.53344156
65	20	SECTOR 3	-30.75785241	-35.53225979
65	20	SECTOR 3	-30.75866126	-35.49050543
65	20	SECTOR 3	-30.76767626	-35.49073769
68	20	SECTOR 3	-30.7686688	-35.43853754
68	20	SECTOR 3	-30.76767626	-35.49073769
68	20	SECTOR 3	-30.75866126	-35.49050543
68	20	SECTOR 3	-30.73161618	-35.48980929
68	20	SECTOR 3	-30.7326073	-35.43762855
68	20	SECTOR 3	-30.7686688	-35.43853754
69	20	SECTOR 3	-30.76964035	-35.38633482
69	20	SECTOR 3	-30.7686688	-35.43853754
69	20	SECTOR 3	-30.7326073	-35.43762855
69	20	SECTOR 3	-30.73357747	-35.38544524
69	20	SECTOR 3	-30.76964035	-35.38633482
70	20	SECTOR 3	-30.77059092	-35.3341296
70	20	SECTOR 3	-30.76964035	-35.38633482

<i>BLOCK</i>	<i>AREA (km²)</i>	<i>SECTOR</i>	<i>LATITUDE</i>	<i>LONGITUDE</i>
70	20	SECTOR 3	-30.73357747	-35.38544524
70	20	SECTOR 3	-30.73452669	-35.33325944
70	20	SECTOR 3	-30.77059092	-35.3341296
74	20	SECTOR 3	-30.73161618	-35.48980929
74	20	SECTOR 3	-30.75866126	-35.49050543
74	20	SECTOR 3	-30.75785241	-35.53225979
74	20	SECTOR 3	-30.71277863	-35.53108068
74	20	SECTOR 3	-30.71358605	-35.48934571
74	20	SECTOR 3	-30.73161618	-35.48980929
75	20	SECTOR 3	-30.80702982	-35.31411077
75	20	SECTOR 3	-30.80665494	-35.33500133
75	20	SECTOR 3	-30.77059092	-35.3341296
75	20	SECTOR 3	-30.73452669	-35.33325944
75	20	SECTOR 3	-30.71649449	-35.33282495
75	20	SECTOR 3	-30.71686804	-35.31195381
75	20	SECTOR 3	-30.80702982	-35.31411077
76	20	SECTOR 3	-30.7326073	-35.43762855
76	20	SECTOR 3	-30.73161618	-35.48980929
76	20	SECTOR 3	-30.71358605	-35.48934571
76	20	SECTOR 3	-30.69555586	-35.48888256
76	20	SECTOR 3	-30.69654557	-35.43672119
76	20	SECTOR 3	-30.7326073	-35.43762855
77	20	SECTOR 3	-30.73357747	-35.38544524
77	20	SECTOR 3	-30.7326073	-35.43762855
77	20	SECTOR 3	-30.69654557	-35.43672119
77	20	SECTOR 3	-30.69751436	-35.38455727
77	20	SECTOR 3	-30.73357747	-35.38544524
78	20	SECTOR 3	-30.71649449	-35.33282495
78	20	SECTOR 3	-30.73452669	-35.33325944

<i>BLOCK</i>	<i>AREA (km²)</i>	<i>SECTOR</i>	<i>LATITUDE</i>	<i>LONGITUDE</i>
78	20	SECTOR 3	-30.73357747	-35.38544524
78	20	SECTOR 3	-30.69751436	-35.38455727
78	20	SECTOR 3	-30.69846223	-35.33239084
78	20	SECTOR 3	-30.71649449	-35.33282495

<i>BLOCK</i>	<i>AREA (km²)</i>	<i>SECTOR</i>	<i>LATITUDE</i>	<i>LONGITUDE</i>
13	20	SECTOR 4	-31.21280379	-34.04888113
13	20	SECTOR 4	-31.21236512	-34.10136329
13	20	SECTOR 4	-31.17627999	-34.10094539
13	20	SECTOR 4	-31.17671804	-34.04848313
13	20	SECTOR 4	-31.21280379	-34.04888113
22	20	SECTOR 4	-31.17627999	-34.10094539
22	20	SECTOR 4	-31.17582057	-34.15340648
22	20	SECTOR 4	-31.13973589	-34.15296946
22	20	SECTOR 4	-31.14019466	-34.10052824
22	20	SECTOR 4	-31.17627999	-34.10094539
23	20	SECTOR 4	-31.17671804	-34.04848313
23	20	SECTOR 4	-31.17627999	-34.10094539
23	20	SECTOR 4	-31.14019466	-34.10052824
23	20	SECTOR 4	-31.14054632	-34.05857441
23	20	SECTOR 4	-31.14063209	-34.04808584
23	20	SECTOR 4	-31.17671804	-34.04848313
29	20	SECTOR 4	-31.13973589	-34.15296946
29	20	SECTOR 4	-31.13925577	-34.20540945
29	20	SECTOR 4	-31.10317156	-34.20495339
29	20	SECTOR 4	-31.103651	-34.15253323
29	20	SECTOR 4	-31.13973589	-34.15296946
34	20	SECTOR 4	-31.14054632	-34.05857441
34	20	SECTOR 4	-31.14019466	-34.10052824

<i>BLOCK</i>	<i>AREA (km²)</i>	<i>SECTOR</i>	<i>LATITUDE</i>	<i>LONGITUDE</i>
34	20	SECTOR 4	-31.09508771	-34.10000785
34	20	SECTOR 4	-31.09543874	-34.05807386
34	20	SECTOR 4	-31.14054632	-34.05857441
35	20	SECTOR 4	-31.10317156	-34.20495339
35	20	SECTOR 4	-31.10267081	-34.25737227
35	20	SECTOR 4	-31.06658711	-34.25689724
35	20	SECTOR 4	-31.06708715	-34.20449815
35	20	SECTOR 4	-31.10317156	-34.20495339
36	20	SECTOR 4	-31.07390309	-34.15217419
36	20	SECTOR 4	-31.103651	-34.15253323
36	20	SECTOR 4	-31.10317156	-34.20495339
36	20	SECTOR 4	-31.06708715	-34.20449815
36	20	SECTOR 4	-31.0675659	-34.15209778
36	20	SECTOR 4	-31.07390309	-34.15217419
40	20	SECTOR 4	-31.09543874	-34.05807386
40	20	SECTOR 4	-31.09508771	-34.10000785
40	20	SECTOR 4	-31.07436068	-34.09976912
40	20	SECTOR 4	-31.04998043	-34.09948864
40	20	SECTOR 4	-31.05033084	-34.05757443
40	20	SECTOR 4	-31.09543874	-34.05807386
41	20	SECTOR 4	-31.04998043	-34.09948864
41	20	SECTOR 4	-31.07436068	-34.09976912
41	20	SECTOR 4	-31.07390309	-34.15217419
41	20	SECTOR 4	-31.0675659	-34.15209778
41	20	SECTOR 4	-31.03781783	-34.15173939
41	20	SECTOR 4	-31.03827477	-34.09935409
41	20	SECTOR 4	-31.04998043	-34.09948864

<i>BLOCK</i>	<i>AREA (km²)</i>	<i>SECTOR</i>	<i>LATITUDE</i>	<i>LONGITUDE</i>
6	20	SECTOR 5	-31.54096959	-34.29942029
6	20	SECTOR 5	-31.5404236	-34.35208032
6	20	SECTOR 5	-31.52238369	-34.35182037
6	20	SECTOR 5	-31.50434372	-34.35156066
6	20	SECTOR 5	-31.50488894	-34.29892085
6	20	SECTOR 5	-31.54096959	-34.29942029
7	20	SECTOR 5	-31.50434372	-34.35156066
7	20	SECTOR 5	-31.52238369	-34.35182037
7	20	SECTOR 5	-31.52181642	-34.40446883
7	20	SECTOR 5	-31.48573723	-34.40392943
7	20	SECTOR 5	-31.4863037	-34.35130118
7	20	SECTOR 5	-31.50434372	-34.35156066
8	20	SECTOR 5	-31.4863037	-34.35130118
8	20	SECTOR 5	-31.48573723	-34.40392943
8	20	SECTOR 5	-31.48226631	-34.40387759
8	20	SECTOR 5	-31.44965782	-34.403391
8	20	SECTOR 5	-31.45022349	-34.35078291
8	20	SECTOR 5	-31.4863037	-34.35130118
9	20	SECTOR 5	-31.44965782	-34.403391
9	20	SECTOR 5	-31.48226631	-34.40387759
9	20	SECTOR 5	-31.48179763	-34.44597755
9	20	SECTOR 5	-31.43669914	-34.44528462
9	20	SECTOR 5	-31.43701752	-34.41678491
9	20	SECTOR 5	-31.43716699	-34.40320481
9	20	SECTOR 5	-31.44965782	-34.403391
10	20	SECTOR 5	-31.43701752	-34.41678491
10	20	SECTOR 5	-31.43669914	-34.44528462
10	20	SECTOR 5	-31.43642496	-34.46938411
10	20	SECTOR 5	-31.40034632	-34.46882167

<i>BLOCK</i>	<i>AREA (km²)</i>	<i>SECTOR</i>	<i>LATITUDE</i>	<i>LONGITUDE</i>
10	20	SECTOR 5	-31.4007381	-34.4342246
10	20	SECTOR 5	-31.40093804	-34.41624259
10	20	SECTOR 5	-31.43701752	-34.41678491
11	20	SECTOR 5	-31.4007381	-34.4342246
11	20	SECTOR 5	-31.40034632	-34.46882167
11	20	SECTOR 5	-31.40013901	-34.48680315
11	20	SECTOR 5	-31.36406044	-34.48623485
11	20	SECTOR 5	-31.36465869	-34.43367638
11	20	SECTOR 5	-31.4007381	-34.4342246
<i>BLOCK</i>	<i>AREA (km²)</i>	<i>SECTOR</i>	<i>LATITUDE</i>	<i>LONGITUDE</i>
12	20	SECTOR 6	-31.19648562	-35.14791887
12	20	SECTOR 6	-31.19469125	-35.25280531
12	20	SECTOR 6	-31.17665932	-35.25237809
12	20	SECTOR 6	-31.17756654	-35.19994597
12	20	SECTOR 6	-31.17845242	-35.14751151
12	20	SECTOR 6	-31.19648562	-35.14791887
16	20	SECTOR 6	-31.17756654	-35.19994597
16	20	SECTOR 6	-31.17665932	-35.25237809
16	20	SECTOR 6	-31.14059528	-35.25152481
16	20	SECTOR 6	-31.14150122	-35.19911252
16	20	SECTOR 6	-31.17756654	-35.19994597
17	20	SECTOR 6	-31.17845242	-35.14751151
17	20	SECTOR 6	-31.17756654	-35.19994597
17	20	SECTOR 6	-31.14150122	-35.19911252
17	20	SECTOR 6	-31.14210158	-35.16367964
17	20	SECTOR 6	-31.14238585	-35.14669788
17	20	SECTOR 6	-31.17845242	-35.14751151
18	20	SECTOR 6	-31.17988932	-35.05962541

<i>BLOCK</i>	<i>AREA (km²)</i>	<i>SECTOR</i>	<i>LATITUDE</i>	<i>LONGITUDE</i>
18	20	SECTOR 6	-31.1790392	-35.11206367
18	20	SECTOR 6	-31.1429718	-35.11126345
18	20	SECTOR 6	-31.14354796	-35.07583145
18	20	SECTOR 6	-31.14382072	-35.05884501
18	20	SECTOR 6	-31.17988932	-35.05962541
19	20	SECTOR 6	-31.1816785	-34.94464722
19	20	SECTOR 6	-31.18087518	-34.99709022
19	20	SECTOR 6	-31.14480519	-34.99633349
19	20	SECTOR 6	-31.14519567	-34.97098945
19	20	SECTOR 6	-31.14560737	-34.94391032
19	20	SECTOR 6	-31.1816785	-34.94464722
20	20	SECTOR 6	-31.18246047	-34.89220214
20	20	SECTOR 6	-31.1816785	-34.94464722
20	20	SECTOR 6	-31.14560737	-34.94391032
20	20	SECTOR 6	-31.14638823	-34.89148509
20	20	SECTOR 6	-31.18246047	-34.89220214
21	20	SECTOR 6	-31.18322108	-34.83975504
21	20	SECTOR 6	-31.18246047	-34.89220214
21	20	SECTOR 6	-31.14638823	-34.89148509
21	20	SECTOR 6	-31.14714777	-34.83905784
21	20	SECTOR 6	-31.18322108	-34.83975504
24	20	SECTOR 6	-31.14519567	-34.97098945
24	20	SECTOR 6	-31.14480519	-34.99633349
24	20	SECTOR 6	-31.14382072	-35.05884501
24	20	SECTOR 6	-31.14354796	-35.07583145
24	20	SECTOR 6	-31.12551377	-35.07543857
24	20	SECTOR 6	-31.12716031	-34.97061639
24	20	SECTOR 6	-31.14519567	-34.97098945
27	20	SECTOR 6	-31.1429718	-35.11126345

<i>BLOCK</i>	<i>AREA (km²)</i>	<i>SECTOR</i>	<i>LATITUDE</i>	<i>LONGITUDE</i>
27	20	SECTOR 6	-31.14238585	-35.14669788
27	20	SECTOR 6	-31.14210158	-35.16367964
27	20	SECTOR 6	-31.10603518	-35.16286106
27	20	SECTOR 6	-31.10690418	-35.11046466
27	20	SECTOR 6	-31.1429718	-35.11126345
28	20	SECTOR 6	-31.12716031	-34.97061639
28	20	SECTOR 6	-31.12551377	-35.07543857
28	20	SECTOR 6	-31.10747953	-35.07504605
28	20	SECTOR 6	-31.1091249	-34.97024365
28	20	SECTOR 6	-31.12716031	-34.97061639
<i>BLOCK</i>	<i>AREA (km²)</i>	<i>SECTOR</i>	<i>LATITUDE</i>	<i>LONGITUDE</i>
14	20	SECTOR 7	-31.19536894	-35.63390483
14	20	SECTOR 7	-31.19450304	-35.67584496
14	20	SECTOR 7	-31.14943746	-35.67457735
14	20	SECTOR 7	-31.15030183	-35.63265703
14	20	SECTOR 7	-31.19536894	-35.63390483
15	20	SECTOR 7	-31.19622118	-35.5919629
15	20	SECTOR 7	-31.19536894	-35.63390483
15	20	SECTOR 7	-31.15030183	-35.63265703
15	20	SECTOR 7	-31.15115257	-35.59073492
15	20	SECTOR 7	-31.19622118	-35.5919629
25	20	SECTOR 7	-31.14921924	-35.68505715
25	20	SECTOR 7	-31.14811537	-35.73745441
25	20	SECTOR 7	-31.11206452	-35.73641865
25	20	SECTOR 7	-31.11316683	-35.68404116
25	20	SECTOR 7	-31.14921924	-35.68505715
26	20	SECTOR 7	-31.15136313	-35.58025412
26	20	SECTOR 7	-31.15115257	-35.59073492

<i>BLOCK</i>	<i>AREA (km²)</i>	<i>SECTOR</i>	<i>LATITUDE</i>	<i>LONGITUDE</i>
26	20	SECTOR 7	-31.15030183	-35.63265703
26	20	SECTOR 7	-31.11424789	-35.63166082
26	20	SECTOR 7	-31.11530769	-35.57927768
26	20	SECTOR 7	-31.15136313	-35.58025412
30	20	SECTOR 7	-31.11094096	-35.78879324
30	20	SECTOR 7	-31.10979615	-35.84116486
30	20	SECTOR 7	-31.07374827	-35.84009152
30	20	SECTOR 7	-31.07489146	-35.78773962
30	20	SECTOR 7	-31.11094096	-35.78879324
31	20	SECTOR 7	-31.11206452	-35.73641865
31	20	SECTOR 7	-31.11094096	-35.78879324
31	20	SECTOR 7	-31.07489146	-35.78773962
31	20	SECTOR 7	-31.07601343	-35.73538476
31	20	SECTOR 7	-31.11206452	-35.73641865
32	20	SECTOR 7	-31.11316683	-35.68404116
32	20	SECTOR 7	-31.11206452	-35.73641865
32	20	SECTOR 7	-31.07601343	-35.73538476
32	20	SECTOR 7	-31.07711419	-35.683027
32	20	SECTOR 7	-31.11316683	-35.68404116
33	20	SECTOR 7	-31.11424789	-35.63166082
33	20	SECTOR 7	-31.11316683	-35.68404116
33	20	SECTOR 7	-31.07711419	-35.683027
33	20	SECTOR 7	-31.07819371	-35.63066639
33	20	SECTOR 7	-31.11424789	-35.63166082
37	20	SECTOR 7	-31.07489146	-35.78773962
37	20	SECTOR 7	-31.07374827	-35.84009152
37	20	SECTOR 7	-31.03770016	-35.8390201
37	20	SECTOR 7	-31.03884173	-35.78668789
37	20	SECTOR 7	-31.07489146	-35.78773962

<i>BLOCK</i>	<i>AREA (km²)</i>	<i>SECTOR</i>	<i>LATITUDE</i>	<i>LONGITUDE</i>
38	20	SECTOR 7	-31.07601343	-35.73538476
38	20	SECTOR 7	-31.07489146	-35.78773962
38	20	SECTOR 7	-31.03884173	-35.78668789
38	20	SECTOR 7	-31.03996211	-35.73435272
38	20	SECTOR 7	-31.07601343	-35.73538476
39	20	SECTOR 7	-31.07711419	-35.683027
39	20	SECTOR 7	-31.07601343	-35.73538476
39	20	SECTOR 7	-31.03996211	-35.73435272
39	20	SECTOR 7	-31.04106131	-35.68201466
39	20	SECTOR 7	-31.07711419	-35.683027
42	20	SECTOR 7	-31.03770016	-35.8390201
42	20	SECTOR 7	-31.0365374	-35.8913493
42	20	SECTOR 7	-31.0004907	-35.89026017
42	20	SECTOR 7	-31.00165181	-35.83795061
42	20	SECTOR 7	-31.03770016	-35.8390201
43	20	SECTOR 7	-31.03884173	-35.78668789
43	20	SECTOR 7	-31.03770016	-35.8390201
43	20	SECTOR 7	-31.00165181	-35.83795061
43	20	SECTOR 7	-31.00279176	-35.78563805
43	20	SECTOR 7	-31.03884173	-35.78668789
44	20	SECTOR 7	-31.03996211	-35.73435272
44	20	SECTOR 7	-31.03884173	-35.78668789
44	20	SECTOR 7	-31.00279176	-35.78563805
44	20	SECTOR 7	-31.00391056	-35.73332254
44	20	SECTOR 7	-31.03996211	-35.73435272

<i>BLOCK</i>	<i>AREA (km²)</i>	<i>SECTOR</i>	<i>LATITUDE</i>	<i>LONGITUDE</i>
1	20	SECTOR 8	-32.07134179	-32.79841034
1	20	SECTOR 8	-32.08938508	-32.79837073
1	20	SECTOR 8	-32.08945833	-32.85135704
1	20	SECTOR 8	-32.0533716	-32.85141541
1	20	SECTOR 8	-32.05329846	-32.79844991
1	20	SECTOR 8	-32.07134179	-32.79841034
2	20	SECTOR 8	-32.07112896	-32.69245926
2	20	SECTOR 8	-32.07134179	-32.79841034
2	20	SECTOR 8	-32.05329846	-32.79844991
2	20	SECTOR 8	-32.0532271	-32.75768929
2	20	SECTOR 8	-32.05308577	-32.69251963
2	20	SECTOR 8	-32.07112896	-32.69245926
3	20	SECTOR 8	-32.0532271	-32.75768929
3	20	SECTOR 8	-32.05329846	-32.79844991
3	20	SECTOR 8	-32.0533716	-32.85141541
3	20	SECTOR 8	-32.05338532	-32.86362017
3	20	SECTOR 8	-32.03534187	-32.86364692
3	20	SECTOR 8	-32.03529291	-32.82390395
3	20	SECTOR 8	-32.03518376	-32.75773682
3	20	SECTOR 8	-32.0532271	-32.75768929
4	20	SECTOR 8	-32.01804741	-32.82393694
4	20	SECTOR 8	-32.03529291	-32.82390395
4	20	SECTOR 8	-32.03534187	-32.86364692
4	20	SECTOR 8	-32.03535539	-32.87685915
4	20	SECTOR 8	-31.99926832	-32.8769074
4	20	SECTOR 8	-31.99920592	-32.82397296
4	20	SECTOR 8	-32.01804741	-32.82393694
5	20	SECTOR 8	-32.01796287	-32.77099186
5	20	SECTOR 8	-32.01804741	-32.82393694
5	20	SECTOR 8	-31.99920592	-32.82397296
5	20	SECTOR 8	-31.98196033	-32.82400589
5	20	SECTOR 8	-31.9818759	-32.77108154
5	20	SECTOR 8	-32.01796287	-32.77099186

Annex II

Map of the general location of the area under application

