

**DEPARTMENT OF TRANSPORT  
DEPARTEMENT VAN VERVOER**

No. R. 11

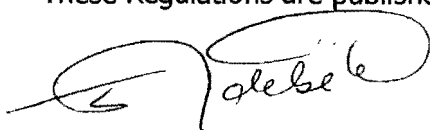
22 January 2010

**NATIONAL PORTS ACT, 2005****PORT LIMITS REGULATIONS**

The Minister of Transport has under section 80(1) (d) of the National Ports Act (Act No. 12 of 2005), made regulations in the Schedule.

The Port Limits Regulations contain a description in words and diagrams depicting the correct port limits.

These Regulations are published for general information and compliance

**S. J Ndebele****Minister of Transport****Date:** 12/12/2009**SCHEDULE**

**WHEREAS** the generally accepted current port limits of the respective ports are incorrectly reflected in Government Notice No. R. 1091 of 23 November 2007;

**WHEREAS** it is necessary to create legal certainty by reflecting the correct port limits of each port; and

**WHEREAS** the correct description of the respective port limits has been published for public comment under Government Notice No. 1486 of 26 November 2008 as so-called "revised Port Limits", the correct port limits are hereby confirmed and described:

**Definitions**

**1.** (1) In these Regulations any word or phrase to which a meaning has been assigned in the National Ports Act, 2005 (Act No. 12 Of 2005), has the meaning so assigned and, unless the context otherwise indicates—

**"point"** means a point of reference referred to in a description of a port limit in these Regulations as indicated on the applicable Surveyor-General diagram, and which is geographically positioned by way of coordinates in the table of coordinates contained in that diagram, or defined in the description of a port limit;

**"survey direction"** means the direction from one point to another point based on a South Azimuth System where zero degrees is due south;

**"Surveyor-General"** means a Surveyor-General as defined in the Land Survey Act, 1997 (Act No. 8 of 1997); and

**"Surveyor-General diagram"** means the applicable diagram of a port lodged with a Surveyor-General and identified by a number with the prefix "S.G."

(2) The visual representations of port limits in the Appendices are for ease of reference only and may not be used to determine or verify any port limits.

### Description of port limits

2. The port limits for the ports of Richards Bay, Durban, East London, Ngqura, Port Elizabeth, Mossel Bay, Cape Town, Saldanha Bay and Port Nolloth are the areas described below:

#### (1) Port of Richards Bay

The Port of Richards Bay comprises the area reflected in Surveyor-General diagram S.G. No. 1617/2009, which is visually represented for ease of reference in Appendix 1, and described as follows with reference to Surveyor-General diagram S.G. No. 1617/2009 and the table of coordinates contained therein:

The area bounded by a line commencing at point **a**; thence from point **a** in a straight line to point **A**; thence from point **A** in a straight line to point **B**; thence from point **B** in a straight line to point **C**; thence from point **C** in a straight line to point **D**; thence from point **D** along an irregular line to point **J**; thence from point **J** following the high water mark to point **b** (point **b** being the point where the straight line from point **K** in a 339°30'00" survey direction intersects the high water mark); thence from point **b** along an irregular line to point **L**; thence from point **L** in a straight line to point **M**; thence from point **M** in a straight line to point **N**; thence from point **N** in a straight line to point **P**; thence from point **P** in a straight line to point **Q**; thence from point **Q** in a straight line to point **R**; thence from point **R** in a straight line to point **S**; thence from point **S** in a straight line to point **T**; thence from point **T** in a straight line to point **U**; thence from point **U** in a straight line to point **V**; thence from point **V** in a straight line to point **W**; thence from point **W** in a straight line to point **X**; thence from point **X** in a straight line to point **Y**; thence from point **Y** in a straight line to point **Z**; thence from point **Z** along an irregular line to point **C1**; thence from point **C1** along an irregular line to point **F1**; thence from point **F1** in a straight line to point **G1**; thence from point **G1** in a straight line to point **H1**; thence from point **H1** along an irregular line to point **M1**; thence from point **M1** in a straight line to point **N1**; thence from point **N1** along an irregular line to point **Y1**; thence from point **Y1** along an irregular line to point **D2**; thence from point **D2** in a straight line to point **E2**; thence from point **E2** in a

straight line to point **F2**; thence from point **F2** in a straight line to point **c** (point **c** being the point where the straight line from point **F2** in a  $349^{\circ}40'10''$  survey direction intersects the high water mark); thence from point **c** following the high water mark to point **d** (point **d** being the point where the straight line from coordinate point Y-105 613,5m; X+3 187 026,4m (which is based on coordinate system WGS84/Lo31) in a  $79^{\circ}53'50''$  survey direction intersects the high water mark); thence from point **d** in a straight line to point **e** (point **e** being the point where the straight line from coordinate point Y-105 613,5m; X+3 187 026,4m (which is based on coordinate system WGS84/Lo31) in a  $259^{\circ}53'50''$  survey direction intersects the high water mark); thence from point **e** following the high water mark to point **f** (point **f** being the point where the straight line from point **G2** in a  $101^{\circ}30'15''$  survey direction intersects the high water mark); thence from point **f** in a straight line to point **G2**; thence from point **G2** along an irregular line to point **g** (point **g** being the point where the straight line from point **L2** in a  $312^{\circ}47'50''$  survey direction intersects the high water mark); thence from point **g** along the high water mark to point **a**.

(2) Port of Durban

The Port of Durban comprises the area reflected in Surveyor-General diagram S.G. No. 1616/2009, which is visually represented for ease of reference in Appendix 2, and described as follows with reference to Surveyor-General diagram S.G. No. 1616/2009 and the table of coordinates contained therein:

The area bounded by a line commencing at point **a**; thence from point **a** in a straight line to point **A**; thence from point **A** in a straight line to point **B**; thence from point **B** in a straight line to point **b**; thence from point **b** along the low water mark to point **C**; thence from point **C** in a straight line to point **D**; thence from point **D** along an irregular line to point **L**; thence from point **L** in a straight line to point **M**; thence from point **M** along an irregular line to point **G1**; thence from point **G1** along an irregular line to point **A2**; thence from point **A2** in a straight line to point **B2**; thence from point **B2** in a straight line to point **C2**; thence from point **C2** in a straight line to point **D2**; thence from point **D2** in a straight line to point **E2**; thence from point **E2** in a straight line to point **F2**; thence from point **F2** in a straight line to point **G2**; thence from point **G2** along an irregular line to point **K2**; thence from point **K2** in a straight line to point **L2**; thence from point **L2** in a straight line to point **M2**; thence from point **M2** in a straight line to point **N2**; thence from point **N2** in a straight line to point **P2**; thence from point **P2** in a straight line to point **Q2**; thence from point **Q2** in a straight line to point **R2**; thence from point **R2** along an irregular line to point **T2**; thence from point **T2** along an irregular line to point **Y2**; thence from point **Y2** in a straight line to point **Z2**; thence from point **Z2** along an irregular line to point **E4**; thence from point **E4** in a straight line to point **F4**; thence from point **F4** along an irregular line to point **H4**; thence from point **H4** in a straight line to point **J4**; thence from point **J4** in a straight line to point **K4**; thence from point **K4** in a straight line to point **L4**; thence from point **L4**

along an irregular line to point **A5**; thence from point **A5** along an irregular line to point **F5**; thence from point **F5** along an irregular line to point **N5**; thence from point **N5** in a straight line to point **P5**; thence from point **P5** along an irregular line to point **S5**; thence from point **S5** in a straight line to point **T5**; thence from point **T5** along an irregular line to point **Y5**; thence from point **Y5** in a straight line to point **Z5**; thence from point **Z5** in a straight line to point **A6**; thence from point **A6** in a straight line to point **B6**; thence from point **B6** in a straight line to point **C6**; thence from point **C6** in a straight line to point **D6**; thence from point **D6** along an irregular line to point **F6**; thence from point **F6** in a straight line to point **G6**; thence from point **G6** along an irregular line to point **Y6**; thence from point **Y6** along an irregular line to point **P7**; thence from point **P7** in a straight line to point **Q7**; thence from point **Q7** along an irregular line to point **P8**; thence from point **P8** in a straight line to point **Q8**; thence from point **Q8** in a straight line to point **R8**; thence from point **R8** along an irregular line to point **D9**; thence from point **D9** in a straight line to point **E9**; thence from point **E9** in a straight line to point **F9**; thence from point **F9** in a straight line to point **G9**; thence from point **G9** in a straight line to point **H9**; thence from point **H9** in a straight line to point **J9**; thence from point **J9** along an irregular line to point **R9**; thence from point **R9** in a straight line to point **S9**; thence from point **S9** along an irregular line to point **D10**; thence from point **D10** in a straight line to point **E10**; thence from point **E10** along an irregular line to point **N10**; thence from point **N10** along an irregular line to point **Z10**; thence from point **Z10** in a straight line to point **A11**; thence from point **A11** in a straight line to point **B11**; thence from point **B11** along an irregular line to point **L11**; thence from point **L11** in a straight line to point **M11**; thence from point **M11** in a straight line to point **N11**; thence from point **N11** in a straight line to point **P11**; thence from point **P11** in a straight line to point **Q11**; thence from point **Q11** in a straight line to point **R11**; thence from point **R11** along an irregular line to point **U11**; thence from point **U11** in a straight line to point **V11**; thence from point **V11** in a straight line to point **W11**; thence from point **W11** along an irregular line to point **B12**; thence from point **B12** along an irregular line to point **T12**; thence from point **T12** in a straight line to point **U12**; thence from point **U12** along an irregular line to point **W12**; thence from point **W12** along the high water mark to point **a**,

but, excluding the area bounded by a line commencing at point **A13**; thence from point **A13** in a straight line to point **B13**; thence from point **B13** in a straight line to point **C13**; thence from point **C13** in a straight line to point **D13**; thence from point **D13** in a straight line to point **E13**; thence from point **E13** in a straight line to point **F13**; thence from point **F13** in a straight line to point **G13**; thence from point **G13** in a straight line to point **H13**; thence from point **H13** in a straight line to point **J13**; thence from point **J13** in a straight line to point **K13**; thence from point **K13** in a straight line to point **L13**; thence from point **L13** in a straight line to point **M13**; thence from point **M13** in a straight line to point **N13**; thence from point **N13** in a straight line to point **P13**; thence from point **P13** in a

straight line to point **Q13**; thence from point **Q13** in a straight line to point **R13**; thence from point **R13** in a straight line to point **A13**.

(3) Port of East London

The Port of East London comprises the area reflected in Surveyor-General diagram S.G. No. 6216/2008, which is visually represented for ease of reference in Appendix 3, and described as follows with reference to Surveyor-General diagram S.G. No. 6216/2008 and the table of coordinates contained therein:

The area bounded by a line commencing at point **a**; thence from point **a** in a straight line to point **A**; thence from point **A** in a straight line to point **B**; thence from point **B** in a straight line to point **b**; thence from point **b** along the high water mark to point **c** (point **c** being the point where the extended straight line from point **D** through point **C** intersects the high water mark); thence from point **c** in a straight line to point **C**; thence from point **C** in a straight line to point **D**; thence from point **D** along an irregular line to point **U**; thence from point **U** in a straight line to point **V**; thence from point **V** along an irregular line to point **K1**; thence from point **K1** in a straight line to point **L1**; thence from point **L1** in a straight line to point **M1**; thence from point **M1** in a straight line to point **N1**; thence from point **N1** in a straight line to point **P1**; thence from point **P1** along an irregular line to point **M2**; thence from point **M2** in a straight line to point **N2**; thence from point **N2** in a straight line to point **P2**; thence from point **P2** in a straight line to point **Q2**; thence from point **Q2** in a straight line to point **R2**; thence from point **R2** in a straight line to point **S2**; thence from point **S2** in a straight line to point **T2**; thence from point **T2** in a straight line to point **U2**; thence from point **U2** in a straight line to point **V2**; thence from point **V2** in a straight line to point **W2**; thence from point **W2** along an irregular line to point **B4**; thence from point **B4** in a straight line to point **C4**; thence from point **C4** along an irregular line to point **K4**; thence from point **K4** in a straight line to point **L4**; thence from point **L4** along an irregular line to point **S4**; thence from point **S4** in a straight line to point **T4**; thence from point **T4** along an irregular line to point **X4**; thence from point **X4** along an irregular line to point **H5**; thence from point **H5** in a straight line to point **J5**; thence from point **J5** along an irregular line to point **T5**; thence from point **T5** in a straight line to point **U5**; thence from point **U5** along an irregular line to point **Z5**; thence from point **Z5** in a straight line to point **A6**; thence from point **A6** in a straight line to point **B6**; thence from point **B6** in a straight line to point **C6**; thence from point **C6** along an irregular line to point **G6**; thence from point **G6** along the high water mark to point **a**.

(4) Port of Ngqura

The Port of Ngqura comprises the area reflected in Surveyor-General diagram S.G. No. 6217/2008, which is visually represented for ease of reference in

Appendix 4, and described as follows with reference to Surveyor-General diagram S.G. No. 6217/2008 and the table of coordinates contained therein:

The area bounded by a line commencing at point **a**; thence from point **a** in a straight line to point **A**; thence from point **A** in a straight line to point **B**; thence from point **B** in a straight line to point **C**; thence from point **C** in a straight line to point **b**; thence from point **b** along the high water mark to point **c** (point **c** being the point where the extended straight line from point **E** through point **D** intersects the high water mark); thence from point **c** in a straight line to point **D**; thence from point **D** in a straight line to point **E**; thence from point **E** in a straight line to point **F**; thence from point **F** in a straight line to point **G**; thence from point **G** in a straight line to point **H**; thence from point **H** in a straight line to point **J**; thence from point **J** in a straight line to point **K**; thence from point **K** in a straight line to point **L**; thence from point **L** along an irregular line to point **W**; thence from point **W** in a straight line to point **X**; thence from point **X** in a straight line to point **Y**; thence from point **Y** in a straight line to point **Z**; thence from point **Z** along an irregular line to point **E1**; thence from point **E1** in a straight line to point **F1**; thence from point **F1** along an irregular line to point **R1**; thence from point **R1** along an irregular line to point **S2**; thence from point **S2** in a straight line to point **T2**; thence from point **T2** in a straight line to point **U2**; thence from point **U2** in a straight line to point **V2**; thence from point **V2** in a straight line to point **W2**; thence from point **W2** in a straight line to point **X2**; thence from point **X2** in a straight line to point **d** (point **d** being the point where the extended straight line from point **W2** through point **X2** intersects the high water mark); thence from point **d** along the high water mark to point **a**,

but, excluding the Islands of Jahleel, St. Croix and Brenton, and the 500 metres marine reserve surrounding each island.

(5) Port of Port Elizabeth

The Port of Port Elizabeth comprises the area reflected in Surveyor-General diagram S.G. No. 6218/2008, which is visually represented for ease of reference in Appendix 5, and described as follows with reference to Surveyor-General diagram S.G. No. 6218/2008 and the table of coordinates contained therein:

The area bounded by a line commencing at point **a**; thence from point **a** in a straight line to point **A**; thence from point **A** in a straight line to point **B**; thence from point **B** in a straight line to point **b**; thence from point **b** along the high water mark to point **c** (point **c** being the point where the straight line from point **C** in a 237°31'50" survey direction intersects the high water mark); thence from point **c** in a straight line to point **C**; thence from point **C** along an irregular line to point **C1**; thence from point **C1** in a straight line to point **D1**; thence from point **D1** in a straight line to point **E1**; thence from point **E1** along an irregular line to point **J1**; thence from point **J1** in a straight line to point **K1**; thence from point **K1** along an irregular line to point **P1**; thence from point **P1** along an irregular line to point **B2**; thence

from point **B2** in a straight line to point **C2**; thence from point **C2** in a straight line to point **D2**; thence from point **D2** in a straight line to point **E2**; thence from point **E2** in a straight line to point **F2**; thence from point **F2** along an irregular line to point **J2**; thence from point **J2** in a straight line to point **K2**; thence from point **K2** in a straight line to point **L2**; thence from point **L2** in a straight line to point **M2**; thence from point **M2** along an irregular line to point **T2**; thence from point **T2** in a straight line to point **U2**; thence from point **U2** along an irregular line to point **X3**; thence from point **X3** along an irregular line to point **P4**; thence from point **P4** in a straight line to point **Q4**; thence from point **Q4** in a straight line to point **R4**; thence from point **R4** along an irregular line to point **W4**; thence from point **W4** in a straight line to point **X4**; thence from point **X4** along an irregular line to point **K5**; thence from point **K5** in a straight line to point **L5**; thence from point **L5** in a straight line to point **M5**; thence from point **M5** in a straight line to point **d** (point **d** being the point where the straight line from point **M5** in a 302°49'40" survey direction intersects the high water mark); thence from point **d** along the high water mark to point **a**.

(6) Port of Mossel Bay

The Port of Mossel Bay comprises the area reflected in Surveyor-General diagram S.G. No. 6219/2008, which is visually represented for ease of reference in Appendix 6, and described as follows with reference to Surveyor-General diagram S.G. No. 6219/2008 and the table of coordinates contained therein:

The area bounded by a line commencing at point **a**; thence from point **a** in a straight line to point **b** (point **b** being the point where the straight line between point **a** and point **A** intersects the high water mark); thence from point **b** along the high water mark to point **c** (point **c** being the point where the extended straight line from point **C** through point **B** intersects the high water mark); thence from point **c** in a straight line to point **B**; thence from point **B** in a straight line to point **C**; thence from point **C** along an irregular line to point **F**; thence from point **F** along an irregular line to point **X**; thence from point **X** in a straight line to point **Y**; thence from point **Y** along an irregular line to point **G1**; thence from point **G1** in a straight line to point **H1**; thence from point **H1** in a straight line to point **J1**; thence from point **J1** in a straight line to point **K1**; thence from point **K1** in a straight line to point **L1**; thence from point **L1** along an irregular line to point **P1**; thence from point **P1** along an irregular line to point **Y1**; thence from point **Y1** along the high water mark to point **a**.

(7) Port of Cape Town

The Port of Cape Town comprises the area reflected in Surveyor-General diagram S.G. No. 6220/2008, which is visually represented for ease of reference

in Appendix 7, and described as follows with reference to Surveyor-General diagram S.G. No. 6220/2008 and the table of coordinates contained therein:

The area bounded by a line commencing at point **a** (point **a** being the point where the straight line between point **M7** and point **A** intersects the high water mark on Robben Island); thence from point **a** along the high water mark on Robben Island to point **b** (point **b** being the point where the straight line between point **A** and point **B** intersects the high water mark on Robben Island); thence from point **b** in a straight line to point **B**; thence from point **B** along an irregular line to point **H**; thence from point **H** along an irregular line to point **N**; thence from point **N** in a straight line to point **P**; thence from point **P** along an irregular line to point **S**; thence from point **S** in a straight line to point **T**; thence from point **T** along an irregular line to point **X**; thence from point **X** in a straight line to point **Y**; thence from point **Y** along an irregular line to point **L3**; thence from point **L3** in a straight line to point **M3**; thence from point **M3** along an irregular line to point **P3**; thence from point **P3** along an irregular line to point **F4**; thence from point **F4** along an irregular line to point **K4**; thence from point **K4** in a straight line to point **L4**; thence from point **L4** along an irregular line to point **P4**; thence from point **P4** in a straight line to point **Q4**; thence from point **Q4** along an irregular line to point **S4**; thence from point **S4** in a straight line to point **T4**; thence from point **T4** along an irregular line to point **X4**; thence from point **X4** in a straight line to point **Y4**; thence from point **Y4** along an irregular line to point **T5**; thence from point **T5** along an irregular line to point **W5**; thence from point **W5** in a straight line to point **X5**; thence from point **X5** in a straight line to point **Y5**; thence from point **Y5** in a straight line to point **Z5**; thence from point **Z5** in a straight line to point **A6**; thence from point **A6** in a straight line to point **B6**; thence from point **B6** in a straight line to point **C6**; thence from point **C6** in a straight line to point **D6**; thence from point **D6** in a straight line to point **E6**; thence from point **E6** in a straight line to point **F6**; thence from point **F6** in a straight line to point **G6**; thence from point **G6** along an irregular line to point **P6**; thence from point **P6** along an irregular line to point **R6**; thence from point **R6** along an irregular line to point **U6**; thence from point **U6** in a straight line to point **V6**; thence from point **V6** along an irregular line to point **C7**; thence from point **C7** in a straight line to point **D7**; thence from point **D7** in a straight line to point **E7**; thence from point **E7** in a straight line to point **F7**; thence from point **F7** in a straight line to point **G7**; thence from point **G7** in a straight line to point **H7**; thence from point **H7** in a straight line to point **J7**; thence from point **J7** in a straight line to point **K7**; thence from point **K7** in a straight line to point **L7**; thence from point **L7** in a straight line to point **d** (point **d** being the point where the straight line from point **L7** in a 54°59'00" survey direction intersects the low water mark on Table Bay); thence from point **d** along the low water mark to point **e** (point **e** being the point where the straight line between point **M7** and point **A** intersects the low water mark on Table Bay); thence from point **e** in a straight line to point **a**.

(8) Port of Saldanha Bay

The Port of Saldanha Bay comprises the area reflected in Surveyor-General diagram S.G. No. 6221/2008, which is visually represented for ease of reference in Appendix 8, and described as follows with reference to Surveyor-General diagram S.G. No. 6221/2008 and the table of coordinates contained therein:

The area bounded by a line commencing at point **A**; thence from point **A** in a straight line to point **a**; thence from point **a** starting in a general east-south-easterly direction along the high water mark to point **B**; thence from point **B** along an irregular line to point **T**; thence from point **T** in a straight line to point **U**; thence from point **U** in a straight line to point **V**; thence from point **V** in a straight line to point **W**; thence from point **W** in a straight line to point **b** (point **b** being the point where the extended straight line from point **V** through point **W** intersects the high water mark); thence from point **b** along the high water mark to point **c** (point **c** being the point where the straight line from point **X** in a  $327^{\circ}11'40''$  survey direction intersects the high water mark); thence from point **c** in a straight line to point **X**; thence from point **X** along an irregular line to point **Z**; thence from point **Z** in a straight line to point **A1**; thence from point **A1** in a straight line to point **B1**; thence from point **B1** along an irregular line to point **E1**; thence from point **E1** in a straight line to point **F1**; thence from point **F1** in a straight line to point **G1**; thence from point **G1** in a straight line to point **H1**; thence from point **H1** in a straight line to point **J1**; thence from point **J1** in a straight line to point **K1**; thence from point **K1** in a straight line to point **L1**; thence from point **L1** in a straight line to point **M1**; thence from point **M1** in a straight line to point **N1**; thence from point **N1** in a straight line to point **P1**; thence from point **P1** in a straight line to point **Q1**; thence from point **Q1** along an irregular line to point **B2**; thence from point **B2** in a straight line to point **C2**; thence from point **C2** in a straight line to point **D2**; thence from point **D2** in a straight line to point **E2**; thence from point **E2** in a straight line to point **F2**; thence from point **F2** in a straight line to point **G2**; thence from point **G2** in a straight line to point **H2**; thence from point **H2** along an irregular line to point **M2**; thence from point **M2** along an irregular line to point **P2**; thence from point **P2** along an irregular line to point **W2**; thence from point **W2** along an irregular line to point **D3**; thence from point **D3** in a straight line to point **E3**; thence from point **E3** in a straight line to point **F3**; thence from point **F3** in a straight line to point **G3**; thence from point **G3** in a straight line to point **H3**; thence from point **H3** along an irregular line to point **K3**; thence from point **K3** in a straight line to point **d** (point **d** being the point where the straight line from point **K3** in a  $75^{\circ}15'20''$  survey direction intersects the high water mark); thence from point **d** along the high water mark to point **e**; thence from point **e** in a straight line to point **L3**; thence from point **L3** in a straight line to point **A**.

(9) Port of Port Nolloth

The Port of Port Nolloth comprises the area reflected in Surveyor-General diagram S.G. No. 2427/2008, which is visually represented for ease of reference in Appendix 9, and described as follows with reference to Surveyor-General diagram S.G. No. 2427/2008 and the table of coordinates contained therein:

The area bounded by a line commencing at point **A**; thence from point **A** in a straight line to point **a**; thence from point **a** along the high water mark to point **B**; thence from point **B** in a straight line to point **C**; thence from point **C** along an irregular line to point **E**; thence from point **E** in a straight line to point **F**; thence from point **F** along an irregular line to point **L**; thence from point **L** in a straight line to point **M**; thence from point **M** in a straight line to point **N**; thence from point **N** along the high water mark to point **b**; thence from point **b** in a straight line to point **P**; thence from point **P** in a straight line to point **A**.

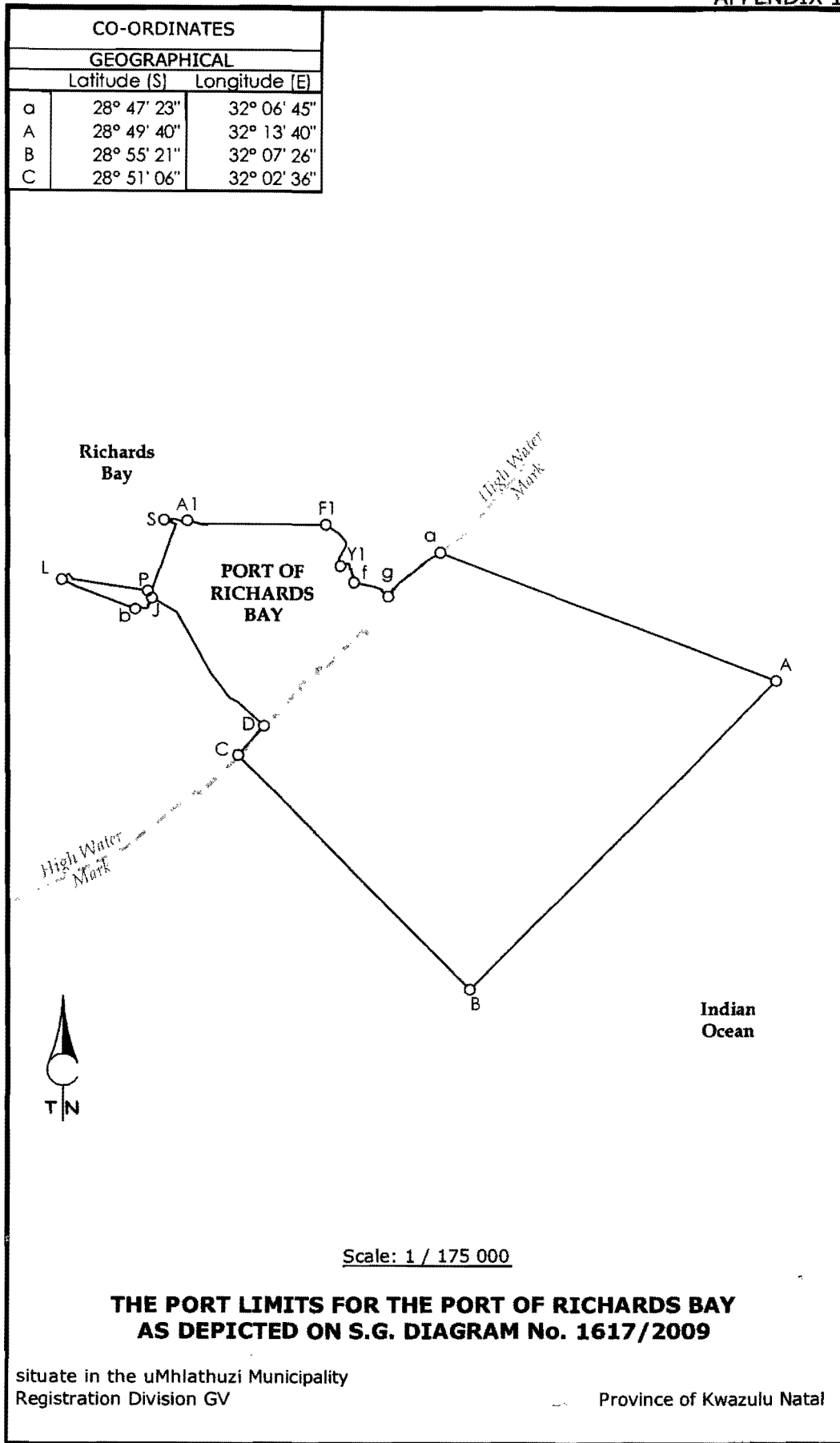
**Repeal of Chapter 5 of Government Notice No. R. 1091 of 2008**

3. Chapter 5 of the National Ports Regulations, 2007, published under Government Notice No. R. 1091 of 23 November 2008 is hereby repealed.

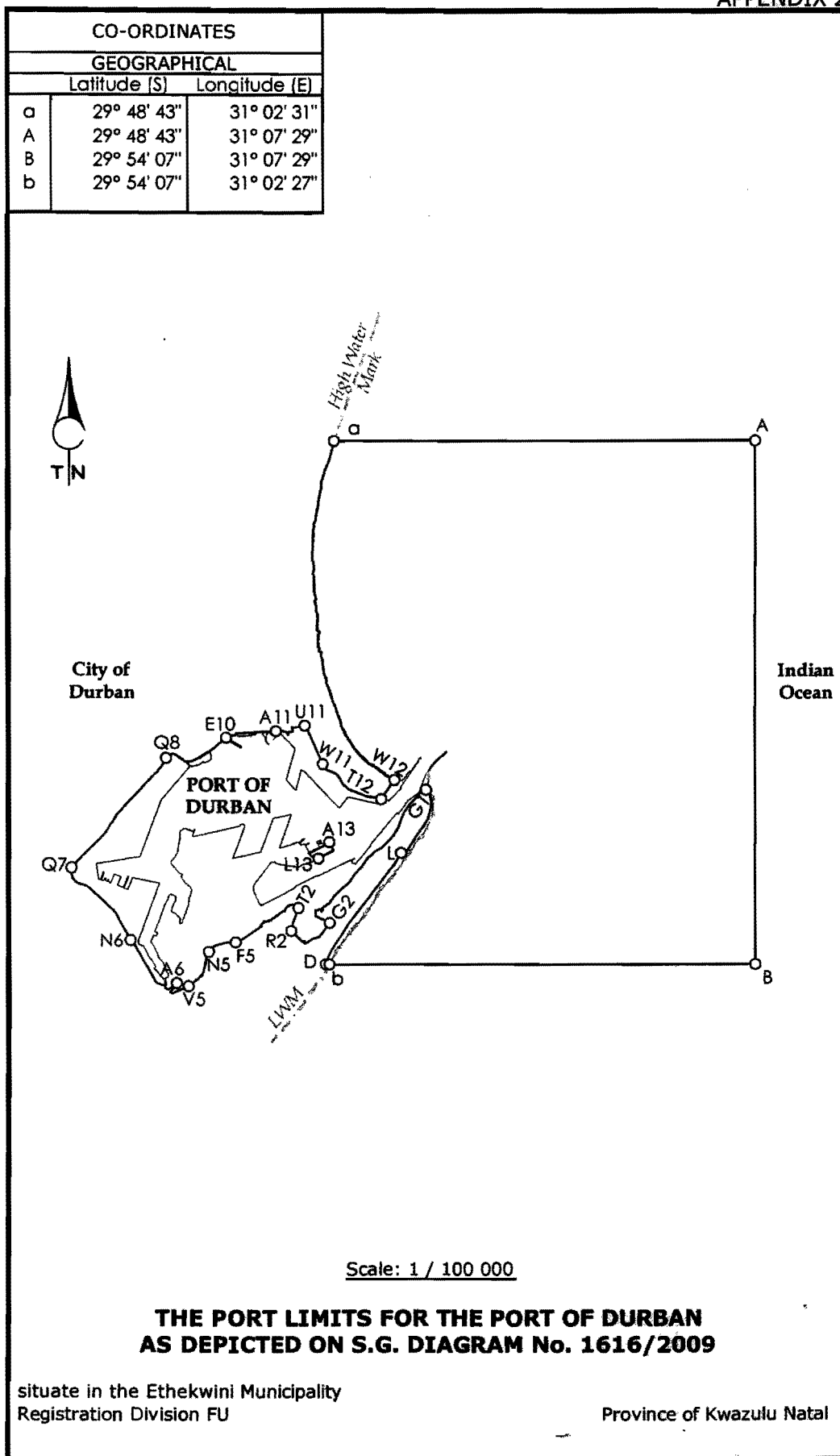
**Short title**

4. These regulations are called the Port Limits Regulations, 2009 and come into operation on the date of publication.

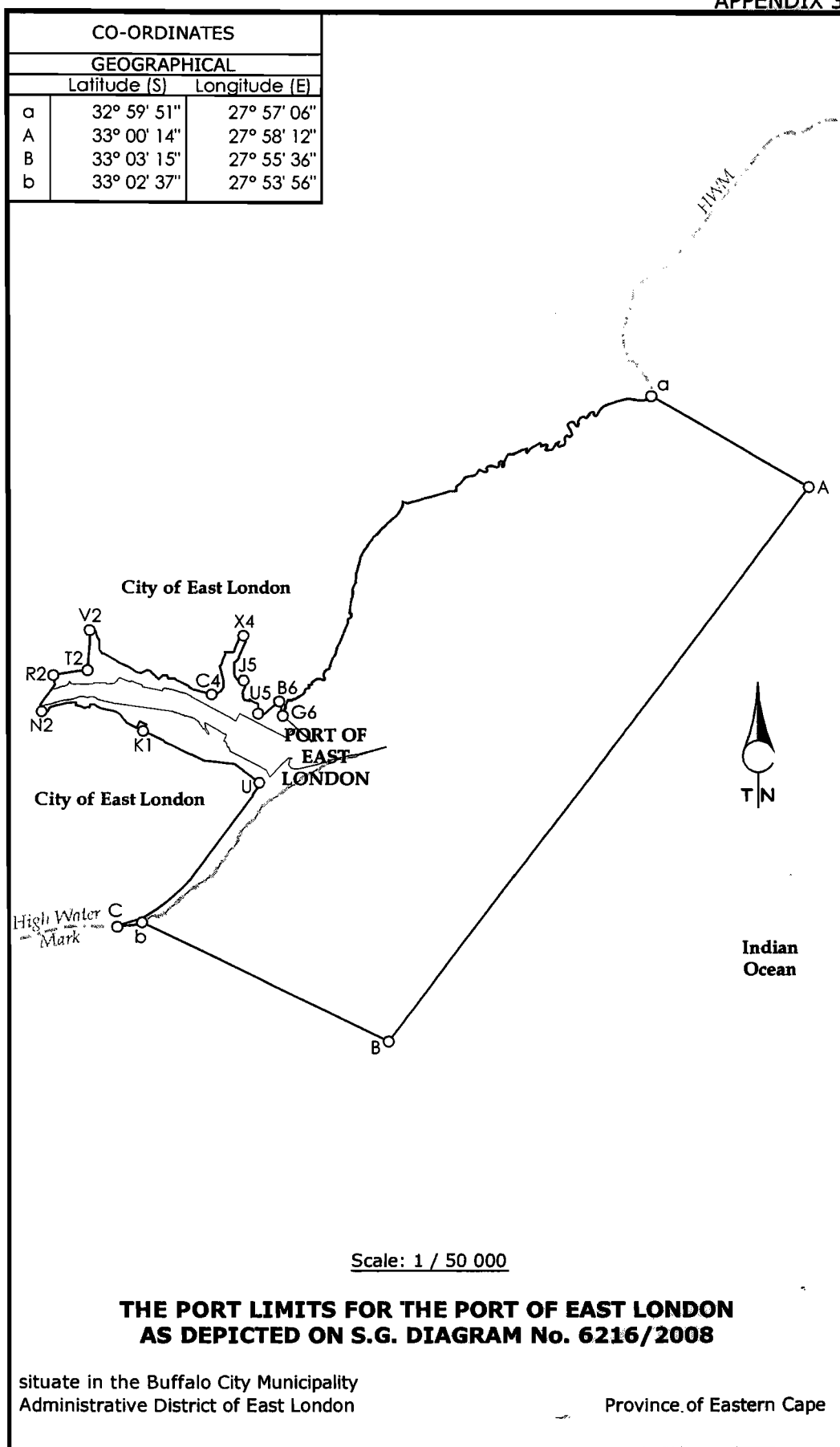
APPENDIX 1



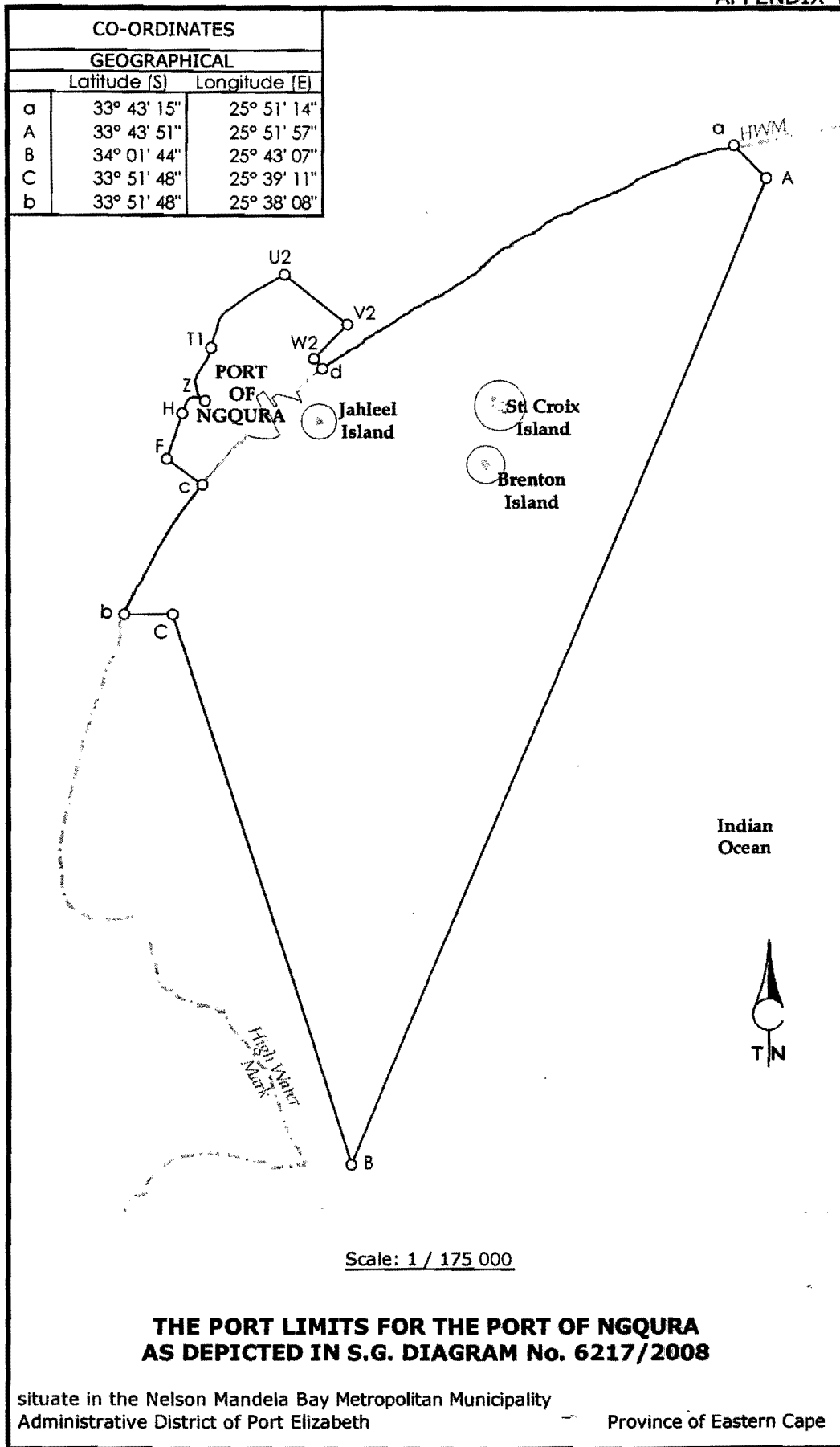
APPENDIX 2



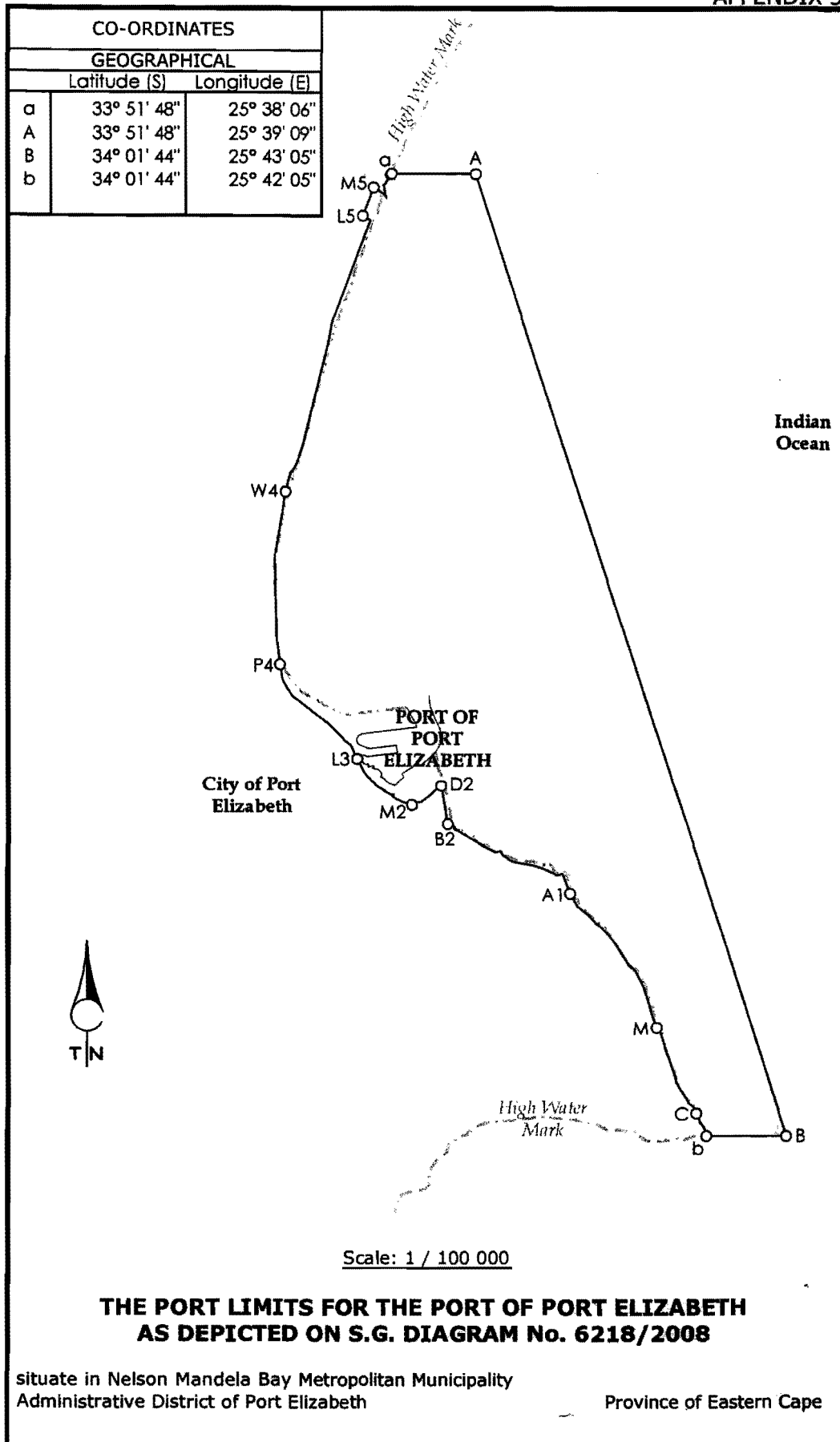
APPENDIX 3



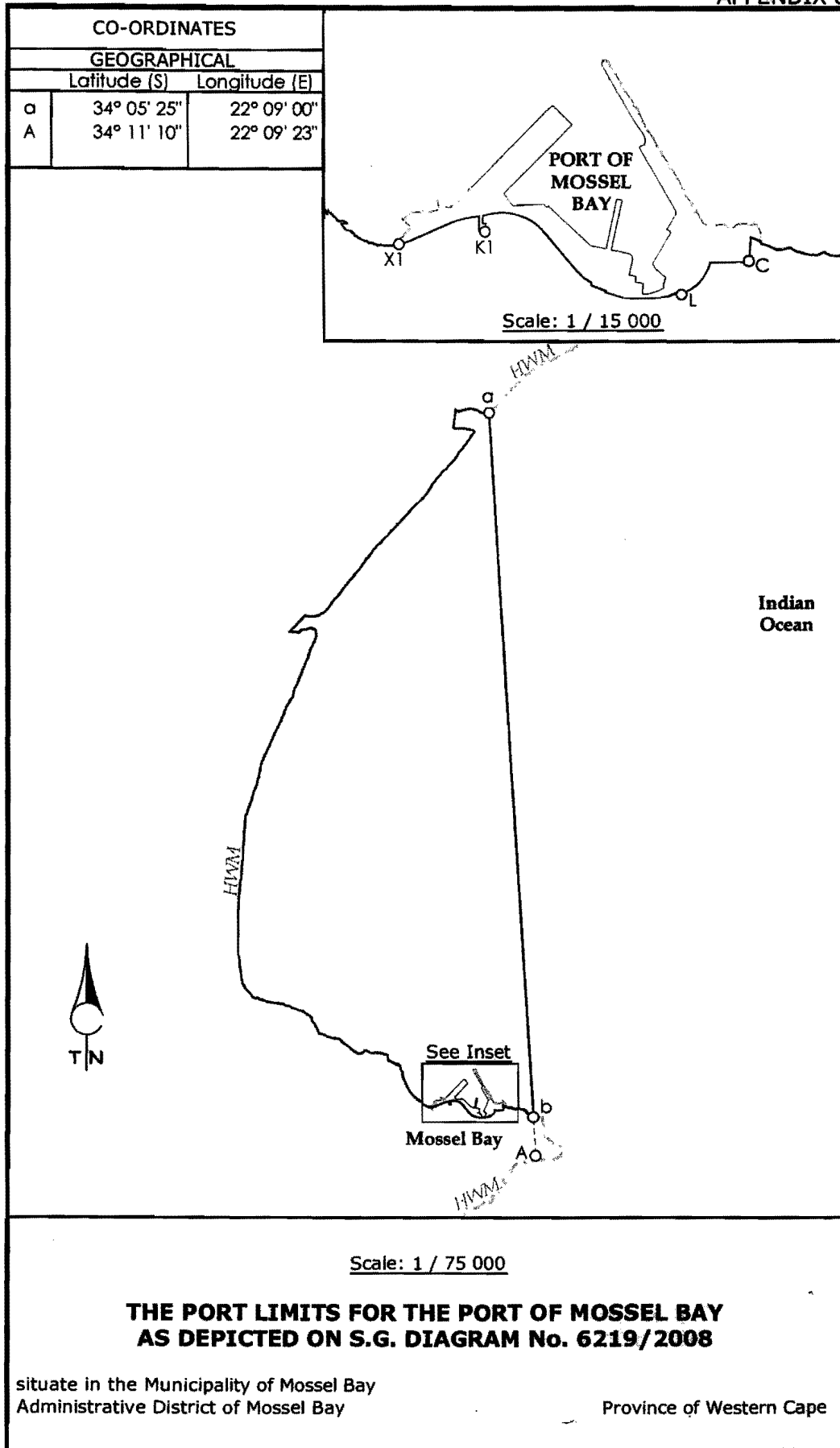
APPENDIX 4



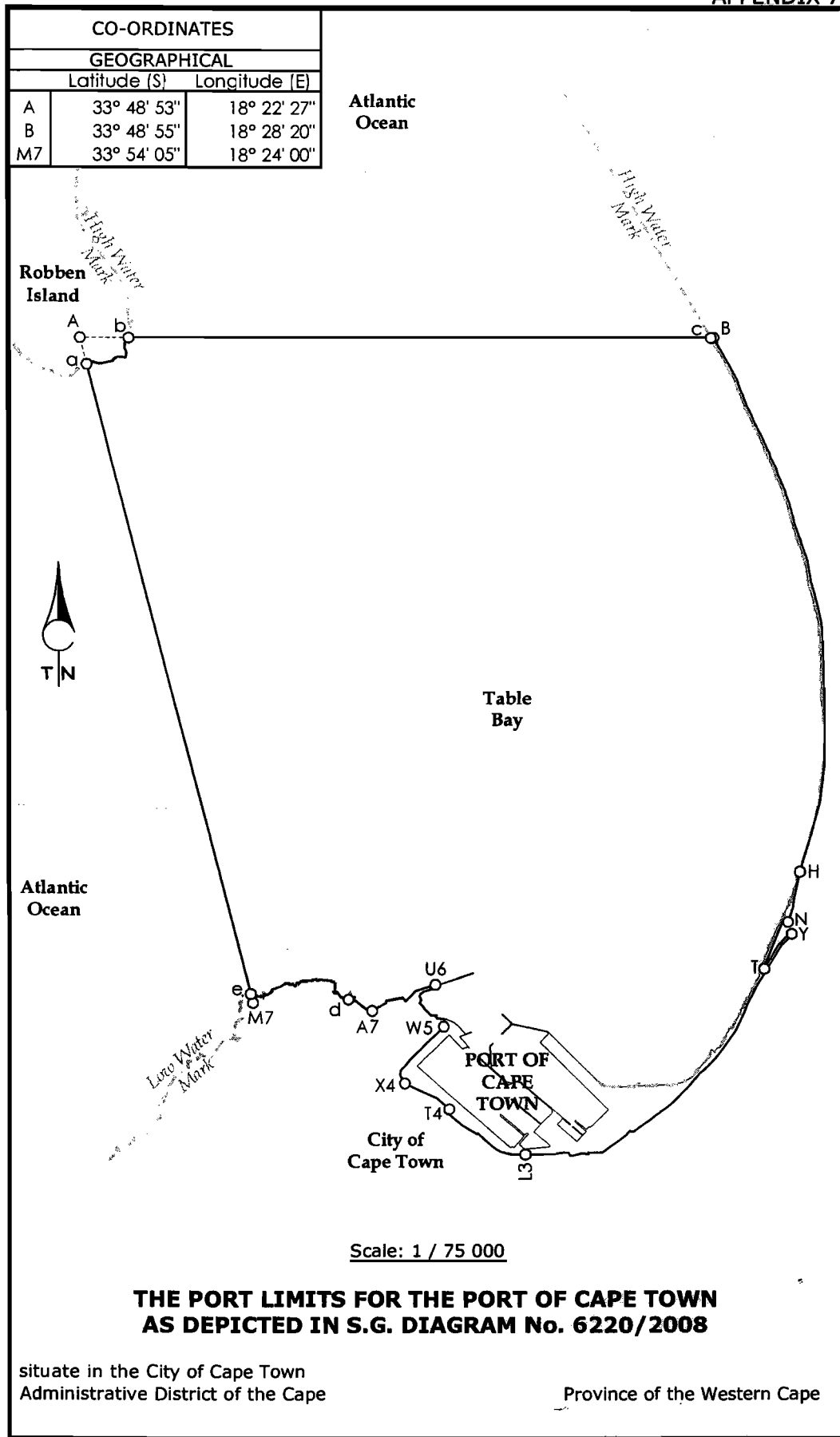
APPENDIX 5



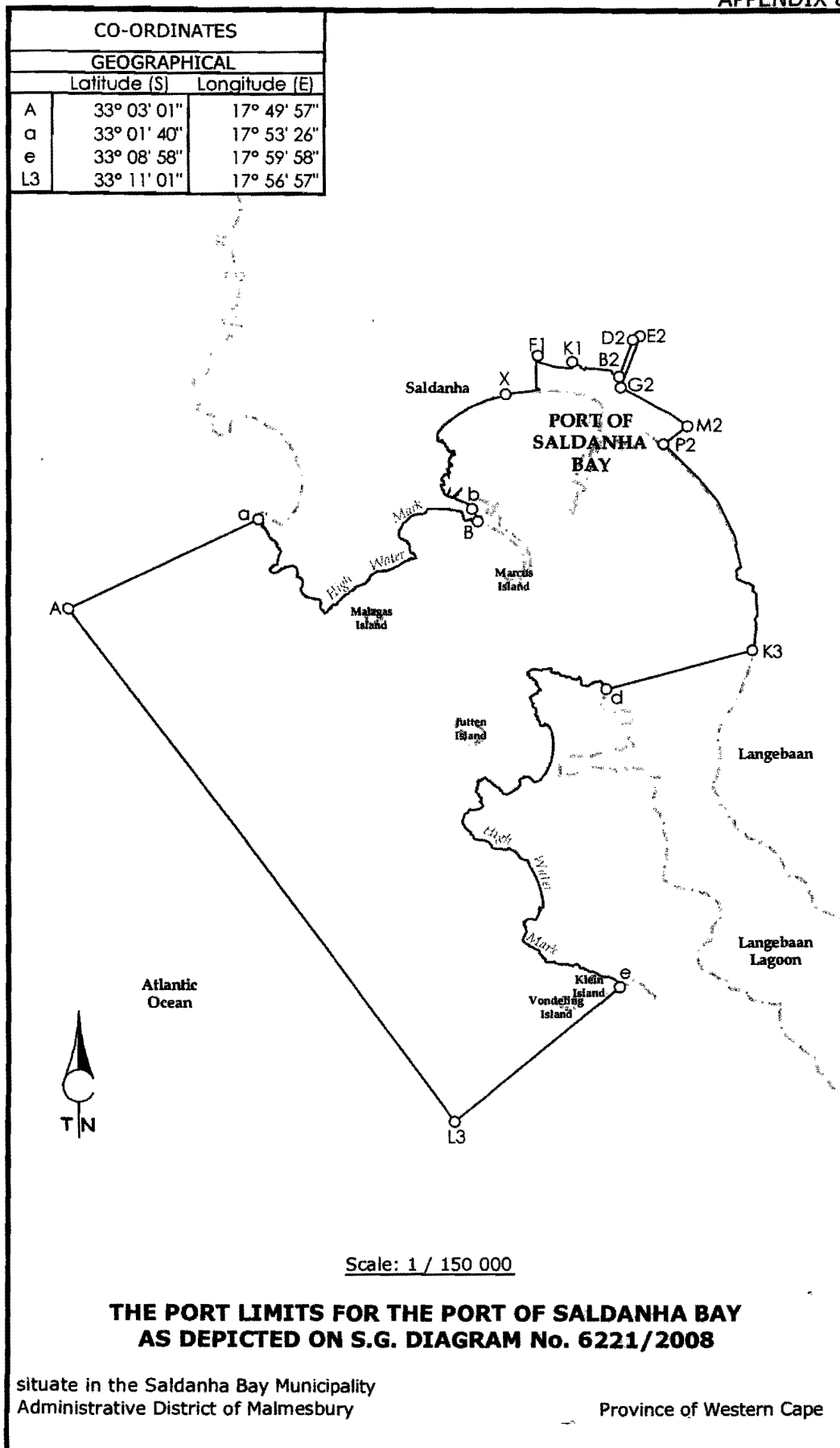
APPENDIX 6



APPENDIX 7



APPENDIX 8



APPENDIX 9

