PUBLICATIONS AND OPEN FILE
PRICE LIST

GEOLOGICAL SURVEY
MINISTRY OF MINES AND ENERGY
NAMIBIA

2011
# LIST OF CONTENTS

## 1. PUBLICATIONS

<table>
<thead>
<tr>
<th>Subsection</th>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.1</td>
<td>Memoirs of the Geological Survey of South Africa</td>
<td>2</td>
</tr>
<tr>
<td>1.2</td>
<td>South West Africa Series</td>
<td>2</td>
</tr>
<tr>
<td>1.3</td>
<td>Memoirs of the Geological Survey of Namibia</td>
<td>2</td>
</tr>
<tr>
<td>1.4</td>
<td>Bulletins of the Geological Survey of Namibia</td>
<td>2</td>
</tr>
<tr>
<td>1.5</td>
<td>Bibliography of S.W.A./Namibia Earth Science</td>
<td>3</td>
</tr>
<tr>
<td>1.6</td>
<td>Communications of the Geological Survey of Namibia</td>
<td>3</td>
</tr>
<tr>
<td>1.7</td>
<td>Departmental Reports</td>
<td>7</td>
</tr>
<tr>
<td>1.8</td>
<td>Special Publications</td>
<td>7</td>
</tr>
</tbody>
</table>

## 2. REPORTS ON OPEN FILE

<table>
<thead>
<tr>
<th>Subsection</th>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.1</td>
<td>Regional Geology</td>
<td>8</td>
</tr>
<tr>
<td>2.2</td>
<td>Mineral Resource Series</td>
<td>8</td>
</tr>
<tr>
<td>2.3</td>
<td>Economic Geology</td>
<td>9</td>
</tr>
<tr>
<td>2.4</td>
<td>Geophysics</td>
<td>11</td>
</tr>
<tr>
<td>2.5</td>
<td>Geophysical Project Reports</td>
<td>12</td>
</tr>
<tr>
<td>2.6</td>
<td>Engineering Geology</td>
<td>13</td>
</tr>
<tr>
<td>2.7</td>
<td>Economic Geology Mineral Information Series</td>
<td>13</td>
</tr>
<tr>
<td>2.8</td>
<td>Industrial Mineral Series</td>
<td>13</td>
</tr>
</tbody>
</table>

## 3. GEOLOGICAL MAPS AND DIGITAL DATA

<table>
<thead>
<tr>
<th>Subsection</th>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.1</td>
<td>Published Geological Maps and Explanations</td>
<td>13</td>
</tr>
<tr>
<td>3.2</td>
<td>Geological Maps published by other Organizations</td>
<td>14</td>
</tr>
<tr>
<td>3.3</td>
<td>Geological Maps on open file</td>
<td>14</td>
</tr>
<tr>
<td>3.4</td>
<td>Digital Geological Data</td>
<td>16</td>
</tr>
</tbody>
</table>

## 4. GEOPHYSICAL MAPS AND DIGITAL DATA

<table>
<thead>
<tr>
<th>Subsection</th>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.1</td>
<td>Regional Magnetic Data</td>
<td>17</td>
</tr>
<tr>
<td>4.2</td>
<td>High Resolution Magnetic and Radiometric Data</td>
<td>17</td>
</tr>
<tr>
<td>4.3</td>
<td>Open File Airborne Geophysical Data</td>
<td>19</td>
</tr>
</tbody>
</table>

## 5. GEOCHEMICAL MAPS AND ANALYSES

<table>
<thead>
<tr>
<th>Subsection</th>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.1</td>
<td>Geochemical Maps by CDM Mineral Surveys</td>
<td>20</td>
</tr>
<tr>
<td>5.2</td>
<td>Archival Geochemical Data</td>
<td>20</td>
</tr>
<tr>
<td>5.3</td>
<td>Laboratory Charges</td>
<td>21</td>
</tr>
</tbody>
</table>

## 6. ECONOMIC GEOLOGY MAPS AND DIGITAL DATA

<table>
<thead>
<tr>
<th>Subsection</th>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.1</td>
<td>Maps</td>
<td>22</td>
</tr>
<tr>
<td>6.2</td>
<td>Digital Data</td>
<td>22</td>
</tr>
</tbody>
</table>

## 7. GENERAL

<table>
<thead>
<tr>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Order form and confidentiality agreement</td>
<td>24</td>
</tr>
</tbody>
</table>
## 1. PUBLICATIONS

### 1.1 MEMOIRS OF THE GEOLOGICAL SURVEY OF SOUTH AFRICA

<table>
<thead>
<tr>
<th>No.</th>
<th>Author</th>
<th>Title</th>
<th>Page(s)</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>61</td>
<td>HEATH, D.C.</td>
<td>Die geologie van die sisteem Karoo in die gebied Mariental-Asab, Suidwes-Africa</td>
<td>44</td>
<td>N$45.00</td>
</tr>
<tr>
<td>64</td>
<td>MILLER, R. McG.</td>
<td>The Salem Granite Suite, South West Africa: Genesis by partial melting of the Khomas Schist</td>
<td>106</td>
<td>N$92.00</td>
</tr>
</tbody>
</table>

### 1.2 SOUTH WEST AFRICA SERIES

<table>
<thead>
<tr>
<th>No.</th>
<th>Author</th>
<th>Title</th>
<th>Page(s)</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DE KOCK, W.P.</td>
<td>The Geology of the Western Rehoboth</td>
<td>148</td>
<td>N$132.00</td>
</tr>
<tr>
<td>2</td>
<td>HAUGHTON, S.H. and FROMMUZZE, H.F.</td>
<td>The Geology of the Warmbad district South West Africa</td>
<td>64</td>
<td>N$57.00</td>
</tr>
<tr>
<td>3</td>
<td>SMITH, D.A.M.</td>
<td>The geology around the Khan and Swakop Rivers in South West Africa</td>
<td>113</td>
<td>N$103.00</td>
</tr>
<tr>
<td>4</td>
<td>PORADA, H.R.</td>
<td>The Khoabendus formation in the area northwest of Kamanjab and in the South-Eastern Kaokoveld</td>
<td>23, Map</td>
<td>N$28.00</td>
</tr>
<tr>
<td>5</td>
<td>PORADA, H.R. and HILL, R.S.</td>
<td>The marble deposits of South West Africa</td>
<td>57</td>
<td>N$63.00</td>
</tr>
<tr>
<td>6</td>
<td>MILLER, R. McG.</td>
<td>Geology of a portion of central Damaraland, South West Africa/ Namibia</td>
<td>78</td>
<td>N$74.00</td>
</tr>
</tbody>
</table>

### 1.3 MEMOIRS OF THE GEOLOGICAL SURVEY OF NAMIBIA

<table>
<thead>
<tr>
<th>No.</th>
<th>Author</th>
<th>Title</th>
<th>Page(s)</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>SAWYER, E.W.</td>
<td>Damaran structural and metamorphic geology of an area south-east of Walvis Bay, South West Africa/ Namibia</td>
<td>94</td>
<td>N$60.00</td>
</tr>
<tr>
<td>8</td>
<td>BARNES, S.J.</td>
<td>Serpentinites in central South West Africa/Namibia - a reconnaissance study</td>
<td>90</td>
<td>N$60.00</td>
</tr>
<tr>
<td>9</td>
<td>WARD, J.D.</td>
<td>The Cenozoic succession in the Kuiseb Valley, Central Namib Desert</td>
<td>124</td>
<td>N$60.00</td>
</tr>
<tr>
<td>10</td>
<td>DIEHL, M.</td>
<td>Geology, mineralogy, geochemistry and hydrothermal alteration of the Brandberg Alkaline Complex, Namibia.</td>
<td>55</td>
<td>N$60.00</td>
</tr>
<tr>
<td>11</td>
<td>HOAL, B.G.</td>
<td>The geology and geochemistry of the Proterozoic Awasib Mountain terrain, southern Namibia, 163 pp.</td>
<td></td>
<td>N$60.00</td>
</tr>
<tr>
<td>12</td>
<td>KUKLA, P.A.</td>
<td>Tectonics and sedimentation of a late Proterozoic Damaran convergent continental margin, Khomas Hochland, Central Namibia.</td>
<td>95</td>
<td>N$60.00</td>
</tr>
<tr>
<td>13</td>
<td>SWART, R.</td>
<td>The sedimentology of the Zerrissene Turbidite System, Damara Orogen, Namibia.</td>
<td>54</td>
<td>N$60.00</td>
</tr>
<tr>
<td>14</td>
<td>ZIEGLER, U.R.F. &amp; STOESSEL, G.F.U.</td>
<td>Age determinations in the Rehoboth Basement Inlier.</td>
<td></td>
<td>N$60.00</td>
</tr>
<tr>
<td>15</td>
<td>KUKLA, C.</td>
<td>Strontium isotope heterogeneities in the amphibolite facies, banded metasediments - a case study from the Late Proterozoic Kuiseb Formation of the southern Damara Orogen, central Namibia</td>
<td>139</td>
<td>N$60.00</td>
</tr>
<tr>
<td>16</td>
<td>STEVEN, N.M.</td>
<td>A Study of epigenetic mineralisation in the Central Zone of the Damara Orogen, Namibia, with special reference to gold, tungsten, tin and rare earth elements.</td>
<td>166</td>
<td>N$60.00</td>
</tr>
<tr>
<td>17</td>
<td>HEGENBERGER, W.</td>
<td>Stratigraphy and sedimentology of the Late Precambrian Witvlei and Nama Groups, east of Windhoek.</td>
<td>82</td>
<td>N$60.00</td>
</tr>
<tr>
<td>18</td>
<td>PICKFORD, M. &amp; SENUT, B.</td>
<td>Geology and palaeobiology of the Namib Desert Southwestern Africa,</td>
<td>155</td>
<td>N$60.00</td>
</tr>
<tr>
<td>19</td>
<td>PICKFORD, M. &amp; SENUT, B.</td>
<td>Palaeontology of the Orange River Valley, Namibia.</td>
<td>398</td>
<td>N$94.00</td>
</tr>
<tr>
<td>20</td>
<td>PICKFORD, M. &amp; SENUT, B.</td>
<td>Geology and Palaeobiology of the Northern Sperrgebiet, Namibia, 155 pp.</td>
<td></td>
<td>N$94.00</td>
</tr>
<tr>
<td>21</td>
<td>PICKFORD, M. &amp; SENUT, B.</td>
<td>Karst Geology and Palaeobiology of Northern Namibia, 74 pp.</td>
<td></td>
<td>N$94.00</td>
</tr>
</tbody>
</table>
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HENRY, G., STANISTREET, I.G. AND MAIDEN, K.J.  Preliminary results of a sedimentological study of the Chuos Formation in the Central Zone of the Damara Orogen: evidence for mass flow processes and glacial activity.
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PICKFORD, M. Note: Age of supergene ore bodies at Berg Aukas and Harasib 3a, Namibia.


MARTINI, J. Note: Swakrione (Ca(NH₄)₂(HPO₄)₂·H₂O, orthorhombic), a new mineral from Arnhem Cave, Namibia.

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STEVEN, N.M. Note: Mafic dykes in the Pre-Damaran basement, south-east of Usakos, central Namibia

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BECKER, T., HANSEN, B.T., WEBER, K. AND WIEGAND, B. U-Pb and Rb-Sr isotopic data for the Mooirivier Complex, Weener Igneous Suite and Gaub Valley Formation (Rehoboth Sequence) in the Nauchas area and their significance for Paleoatmospheric burning and regional distribution of mineralization.


DEANE, J.G. The structural evolution of the Kombat Deposits, Otavi Mountainland, Namibia.

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HOLZER, L., KAMBER, B.S., KRAMERS, J.D. AND FREI, R. The tectono-metamorphic event at 2 Ga in the Limpopo Belt and the resetting behaviour of the chronometers at high temperature.

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ETTLER, V., JOHAN, Z., KRÍBEK, B. & NOLTE, H. Mineralogy of primary phases in slags and mattes from the Tsumeb smelter (Namibia) N$94.00

ELLMIES, R., AMKONGO, A., IYAMBO, E., MUFENDA, M., ZAUTER, H., BEUKES, H., KATJIMUNE, M., WRABEL, J., HELM, R. & HARTMANN, T. Hazardous potential of the municipal waste disposal site of Tsumeb, regarding groundwater contamination Free

MAPANI, B., ELLMIES, R., KRÍBEK, B., KAMONA, F., MAJER, V., KNÉSL, I., PAŠAVA, J., KONOPÁSEK, J. & KAWALI, L. Human health risks associated with historic ore processing at Berg Aukas, Grootfontein Area, Namibia Free

MUFENDA, M. & ELLMIES, R. Characterisation of contamination of stream sediments and surface water at the Otjihase Mine, Namibia N$94.00

AMKONGO, A. AND ELLMIES, R. Geochemical characterization of groundwater and soil contamination in the surroundings of the Rosh Pinah Mine, Namibia N$94.00

ELLMIES, R., AMKONGO, A., MUFENDA, M., KATJIMUNE, M., BEUKES, H., KULOBone, N. & MERORO, V. Influence of Daberas Mine on Groundwater Quality and Vegetation at Orange River N$94.00

KOTZÉ, P. & MANDEA, M. The changing magnetic field of the Southern African sub-continent: a unique behaviour N$94.00

LEONOV, M.V., FEDONKIN, M.A., VICKERS-RICH, P., YU. IVANTSOV, A. YU & TRUSLER, P. Discovery of the first macroscopic algal assemblage in the Terminal Proterozoic of Namibia, southwest Africa N$94.00

Communications 1 – 13 CD (still in preparation) N$1,000.00

1.7 DEPARTMENTAL REPORTS


1.8 SPECIAL PUBLICATIONS

1.8.1 Special publication of the Geological Survey of Namibia


GEOLOGICAL SURVEY OF NAMIBIA. 1992. The Mineral Resources of Namibia, CD (pdf) N$455.00


1.8.2 Special publications of the Ministry of Mines and Energy


1.8.3 Special Publication 11 of the Geological Society of South Africa


1.8.4 Special publication of the Geological Society of Namibia and the Desert Ecological Research Unit of Namibia 1990

Environmental Implications of Mining and Prospecting in the Namib, 57 pp. OUT OF PRINT: Photocopies only available N$51.00

Proterozoic crustal & Metallogenic Evolution - Abstracts. 1994. 79 pp. OUT OF PRINT: Photocopies only available N$101.00

Proterozoic crustal & Metallogenic Evolution – Excursion 1, 2, 3, 4, 5. (Sold separately), 121 pp. OUT OF PRINT: Photocopies only available N$103.00

1.8.5. SADC Publications. Mining Sector Coordinating Unit. Mineral Resource Survey Programme

Bauxite deposits in the SADC region. (Project AAA 3.5), 1997. N$287.00

Heavy-mineral sand deposits in the SADC region. (Project AAA 3.6), 1997. N$287.00

Diamonds in the SADC Region (Project AAA 1.2), 1999. N$425.00

1.8.6 Special Publication


Volume 1: Archaean to Mesoproterozoic

Volume 2: Neoproterozoic to Lower Palaeozoic

Volume 3: Palaeozoic to Cenozoic
2. REPORTS ON OPEN FILE

2.1 REGIONAL GEOLOGY

RG-3  The geology of an area south-east of Walvis Bay: Lithology, sedimentation and field relationships. E W Sawyer, 1976. 123 p, 13 diagrams, 6 maps.  
RG-4  Pleistocene to recent faulting in the area west of Omaruru (SWA/Namibia). J A Klein, 1980. 35 p, 2 maps.  

2.2 MINERAL RESOURCE SERIES

MRS 43  Chromium. G I C Schneider & C P Schreuder 1992, 3 pp  
MRS 52  Uranium. Mr H Roesener & C P Schreuder, 55 pp.
2.3 ECONOMIC GEOLOGY

EG 002 Report on an asbestos prospect on the farm Hopewell 244. (Campbell, D. 1951). 3 pp. N$11.00
EG 003 Report on the geology of the Friedenau and Matchless Amphibolites between Windhoek and Kuiseb 281 (Hälbich, I.W. 1966). 9 pp. 2 maps. N$34.00
EG 005 The Ondundu-Otjiwapa anticline (Thomas, ? 1932 ?). 11 pp. N$17.00
EG 007 Barytes, Blydsdorp 268, Otjozondjupa District (Carr, R.G. 1978). 9 pp. 1 map N$17.00
EG 008 Beryl in the Warmbad and Keetmanshoop District. (De Kock, W.P. 1932) 6 pp. N$11.00
EG 009 The occurrence of gold, copper, lead and barytes on the farm Witkrans 342, Rehoboth District (Anon, undated). 5 pp. N$11.00
EG 010 Preliminary report on the Ondundu gold and copper occurrences, Otjiwarongo Reserve (Cooke, R 1965). 10 pp. N$17.00
EG 011 The beryl on the farm Nakeis No. 11, S.W.A. (Schwellnus, C.M. 1938.11 pp. N$11.00
EG 012 The beryl, pollucite, phlogopite claims (Martin, H. 1952). 4 pp. N$11.00
EG 013 The Roobank iron deposit (Heath, D.C. 1961). 1 pp., 1 map. N$11.00
EG 014 The lead occurrence at Hoehewarte (Gevers, T.W. & Baumann Max, 1929). 22 pp. (Siewwright F.R. 1928), 6 pp., (Schwellnus C.M., 1944) 5 pp. N$32.00
EG 015 Report on the mineral occurrences of Ai-Ais, S.W.A. (Haughton, S.H. and Frommuz, H.F. undated.) 21 pp. N$23.00
EG 016 Report on examination of manganese deposits in the neighbourhood of Otjosondjupa (Dickson, A.F. 1941). 7 pp., sketch. N$13.00
EG 017 The occurrence of beryl on the farm Dassiefontein 87, Keetmanshoop District. (Anon, 1961). 4 pp. N$11.00
EG 018 Minerale-hulpbronse en Mynbou-ontwikkeling - Owambo. (Söhnge, G. 1974). 34 pp. + 1 borehole map + 1 map N$19.00
EG 019 A report on the geology of the Klein Aub copper prospect, Rehoboth District. (Anon 1962 ?) 8 pp., 1 map. N$11.00
EG 020 The geology of the Otjosondjupa manganese occurrence (Vermaak, C.F. 1969). 7 pp + 1 map N$19.00
EG 021 Reserve bepaling van die Otjosondjupa (Ebeneezeer 377) sekondere mangaanaafsetting (Schreuder, C.P. 1981). 5 pp. N$11.00
EG 022 Minor Cu-occurrences: Rehoboth; KwaKwas 251, Hamis 280, Ondigara 342, Aucas 347, (Söhnge, G and Linning, K. 1961/62). 29 pp. N$28.00
EG 025 Copper occurrences on Vergeleë 380, Gibeon District, Schlip and environs, Farm Schlipmündung, Kalkrand District and EG 026 Alluvial gold occurrence on Epako 38. (Rossouw, P.J. 1937) 8 pp. N$11.00
EG 027 Scheelite : The Natas Mine, S.W.A. (Joubert, G.K. 1943) 5 pp. N$11.00
EG 031 The Daberas alunite occurrence, Keetmanshoop District, S.W.A. (Barnard, K.J. 1962). 9 pp. N$11.00
EG 032 Asbestos on Kuchanas and Kochena in the Keetmanshoop District (De Kock, W.P. undated). 4 pp. N$11.00
EG 034 Verkenningsonderzoek van klei-afsettingen langs die Ocavango-river (Schreuder, C.P. 1980). 10 pp., 2 Fig. N$23.00
EG 035 Interim report of the Coal Commission of South West Africa. 124 pp. N$13.00
EG 041 The geology of the Okorusu fluor spar deposits, Otjiwarongo District (Van Zijl, P.J. 1956). 11 pp. N$17.00
EG 044 The graphite prospect at Aukam, District of Bethanie (De Kock, W.P. 1935). 10 pp. N$17.00
EG 045 The Zn-Pb-Cu deposits at the Rosh Pinah Mine. (Page, D.C. and Kindl, S. 1978). 17 pp., 3 maps. N$47.00
EG 046 The Iceland Spar deposits of Mariental and Rehoboth (De Kock, W.P. undated). 11 pp. N$17.00
EG 047 Die voorkoms van ilmeniethoudende sand langs die weskus in die Distrikte Swakopmund en Omaruru (Hugo, P.J. 1968). 4 pp. N$11.00
EG 049 Crocodile, Toumaline and Chalcdochylony on the farm Ojtoruharui 251, S.W.A. (Schwellnus, C.M. 1942). 4 pp. N$11.00
EG 050 Gemstones (Seeger, KG. 1966). 47 pp. N$47.00
EG 051 Ziemon-electric quartz occurrences in the western Rehoboth area, S.W.A. (Schwellnus, C.M. 1942). 23 p + General report on Ziemon-electric quartz, 15 pp. N$35.00
EG 052 Geologiese verslag oor die soutpanne langs die weskus tussen Swakopmund en die Kunenemond, Suidwes-Afrika (Toerien, D.K. 1964) 30 pp., + 3 maps N$45.00
EG 053 Geological report on the Cape Cross Salt Pan (Linning, K. 1965). 14 pp; 1 map. N$25.00

EG 072 Results of boreholes drilled for brine in the Kalahari Beds, southern Owamboland (Hugo, P.J., 1970). 18 pp. 2 Fig., 2 Table, 11 pp. Appendices.

EG 073 Preliminary report on the occurrences of sodium nitrate (Anon, undated) 17 pp.


EG 078 The mining potential of the Kamanjab area (Seeger, K.G., 1980). 4 pp.


EG 084 Geology and mineralisation of the Rubicon Pegmatite, Namibia (Diehl, B.J.M. & Schneider, G.I.C, 1990) 20 pp + 1 + 1 map.

EG 085 The potential of marbles in the Karibib Formation, Damara Sequence, as a raw material for the manufacture of cement in SWA/Namibia. (Christelis, G.C. 1985). 29 p, 13 figs.

EG 086 The coal potential of the Toscanini Area, Skeleton Coast Park. (Schommarz, R.E., 1988). 15 pp. 13 fig. 5 tables.


EG 091 Explanatory note on the geology and ore deposits of the Orange and Kaalfeld areas, the Republic of Namibia. 44 pp, 1 map.


2.4 GEOPHYSICS

GPX-1 Grondradiometriese opname: Gebied B, SWA. P.J Hugo, November 1971. 3 pp., 1 map.

GPX-2 Gravity results from the continental margin of South-Western Africa. R.A. Scrutton, 1972. 18 pp.


GPX-36 The reprocessing of airborne radiometric data for areas A and B in western Damaraland South West Africa. W Herzberg (Geological Survey) and P D Toens (Atomic Energy Board), June 1971. 37 pp. 2 maps (1:250 000). N$63.00


GPX-38 An aeromagnetic interpretation of the geology of the Otjosondu mining area of South West Africa/Namibia (Sheets 2117, 2118). Joan Tod, Geoterrex Ltd., Ottawa, 1983. 38 pp. N$147.00


GPX-41 Airborne Magnetic and Radiometric Survey, Arabab Block-Namibia, E O Köstlin (CDM Minerals), 1984. 28 pp. N$37.00


GPX-43 Operations and Processing Report on Airborne Geophysical Survey: (S22/87). N$31.00


2.5 GEOPHYSICAL PROJECT REPORTS

Series No 1 Integrated Investigation of selected magnetic anomalies in the Khomas Trough. (G Andritzky, D Eberle, J Ostwald and R Wackerle, 1994) 20 pp., 24 Figs. N$68.00

Series No 2 Integrated Investigation of selected magnetic anomalies in part of the NORTHERN ZONE NE OF OTJIWARONGO. (G Andritzky, D. Eberle, J Ostwald and R Wackerle, 1995) 13 pp., 6 enclosures. N$45.00

Series No 3 Integrated Investigation of selected magnetic anomalies in part of the NORTHERN ZONE SW OF OUTJO. (G Andritzky, D Eberle, J Ostwald and R Wackerle, 1995) 32 pp., 13 enclosures. N$74.00

Series No 4 Integrated Investigation of selected magnetic anomalies and lineaments in part of the NORTHERN ZONE UGAB (Vingerklip Area). (G Andritzky, D Eberle, J Ostwald and R Wackerle, 1995) 30 pp., 3 enclosures. N$133.00

Series No 5 Selection of aeromagnetic anomalies for ground truth investigation in 1993 and 1994 on the base of 1:1 000 000 scale compilations. (G Andritzky and D Eberle, 1995). 14 pp., 1 map. N$74.00

Series No 6 Magnetic patterns over geological units and mineral deposits in Namibia. (G Andritzky and D Eberle, 1995), 31 pp. N$45.00

Series No 7 Integrated investigation of magnetic patterns in the Sinclair - Helmeringhausen area (G Andritzky, D Eberle, J Ostwald and R Wackerle, 1996) 25 pp, 13 enclosures. N$375.00

Series No 8 Satellite image interpretation applied to the mineral provinces of Southern Namibia (H Mollat and U Schäffer, 1995) 52 pp. N$70.00

Series No 9 Integrated investigation of magnetic patterns in and around the Rosh Pinah area (G Andritzky, D Eberle, J Ostwald, A Speiser and R Wackerle, 1996) 34 pp., 10 enclosures. N$195.00

Series No 10 Fracture zones, mineral deposits and magmatic features in Namibia (G Andritzky, 1996) 27 pp, 1 map. N$101.00

Series No 11 Synopsis of geological and geophysical data as a guide to new mineral exploration (G Andritzky, D Eberle, J Ostwald, R Wackerle, 1996) 31 pp, 2 maps, 2 colour plots. N$303.00

Series No 12 Synopsis of geological and geophysical data as a guide to new mineral exploration areas in central and northern Namibia. (G Andritzky, D Eberle, J Ostwald and R Wackerle, 1996) 96 pp, 2 colour plots. N$481.00

2.6 ENGINEERING GEOLOGY

EN1 Report on the availability of naturally occurring building materials in SWA/Namibia. A Schall (Geological Survey) and L von Solms (Department of Transport), June 1983. 5 pp. N$11.00


2.7 ECONOMIC GEOLOGY MINERAL INFORMATION SERIES

Swarthooidsdriif Sheet 1712. S.D. Ajagbe, 1999. 53 pp + 1 map (1:500 000). N$147.00

Sesfontein Sheet 1912. S.D. Ajagbe, 1999. 35 pp + 1 map. (1:500 000) N$105.00

Opuwo Sheet 1812. S.D. Ajagbe, 1999. 85 pp + 1 map. (1:500 000) N$231.00

Oshakati Sheet 1714. S.D. Ajagbe, 2000. 37 pp + 1 map. (1:500 000) N$121.00

Etosha West Sheet 1814. S.D. Ajagbe, 2000. 17 pp + 1 map (1:500 000) N$84.00

Kamanjab Sheet 1914. S.D. Ajagbe, 2000. 87 pp + 1 map (1:500 000) N$261.00


2.8 INDUSTRIAL MINERAL SERIES


3. GEOLOGICAL MAPS AND DIGITAL DATA

3.1 PUBLISHED GEOLOGICAL MAPS AND EXPLANATIONS

3.1.1 Scale 1:4 000 000

3.1.2 Scale 1:1 000 000
Only NW, SW and SE sheets.
Per sheet
Seismicity of Sub-Saharan Africa

3.1.3 Scale 1:500 000
Geological Map of the Damara Orogen, South West Africa/Namibia. 1988
Set of 2 sheets

3.1.4 Scale 1:250 000 (see 1:250 000 scale sheet index, pg 16)
Area 2013, Cape Cross. 1988. (no explanations)
Area 2416, Mariental. 1980.
Explanation to Area 2416, Mariental, 1980, 14 pp.
Area 2218, Gobabis. 1980
Area 2618, Keetmanshoop, 1982.
Area 2718, Grunau. 1977. (explanations on reverse side)
Area 2214, Walvis Bay 1995
Explanation to Area 2214, Walvis Bay, 1995, 50 pp.
Area 2314, Kuiseb 1994 (no explanations)
Area 2114, Omaruru 1997 (no explanations)
Area 2314, Kuiseb 1994
Area 2114, Omaruru 1997
Explanation to Area 2114, Omaruru, 2000 (provisional), 45 pp.

Cost per 250K Geological Map in ESRI shapefile format
Not available
NS 600
NS 1000
NS 1500
(prices according to detail and accuracy of data)
Entire 250K data set (merged): NS 30 000
Image file (jpg, tif): NS 300 per map sheet
3.1.5 Scale 1:125 000

3.1.6 Scale 1:100 000 (see index map RG-No. 3, pg 19)

3.1.7 Scale 1:50 000 (see index map RG-No. 2, pg 20)

3.2 GEOLOGICAL MAPS PUBLISHED BY OTHER ORGANISATIONS

3.2.1 Scale 1:250 000 (see 1:250 000 scale sheet index, pg 16)

3.3 GEOLOGICAL MAPS ON OPEN FILE (UNPUBLISHED)

3.3.1 Geological Evolution of Namibia (Poster)

3.3.2 SCALE 1:500 000
Geological Map of the “Sperrgebiet” (colour plot)

3.3.3 SCALE 1:250 000 (colour plots; see 1:250 000 scale sheet index, pg 16)
Laminated per map sheet (on request)
Area 1712, Swartbooisdrif (provisional, no explanations)
Area 1812, Opuwo (provisional, no explanations)
Area 1814, Etosha West (provisional, no explanations)
Area 1912, Sesfontein (provisional, no explanations)
Area 1914, Kamanjab (provisional, no explanations)
Area 1916, Tsumeb (provisional, no explanations)
Area 2014, Fransfontein (provisional)
Area 2016, Otjiwarongo (provisional, no explanations)
Area 2116, Okahandja (provisional, no explanations)
Area 2216, Windhoek (provisional)
Explanation to Area 2216, Windhoek, 2011 (provisional), 53 pp.
Area 2316, Rehoboth (provisional)
Explanation to Area 2316, Rehoboth, 2011 (provisional), 66 pp.
Area 2318, Leonardville (provisional, no explanations)
Area 2414, Meob Bay (provisional, no explanations)
Area 2418, Arranos (provisional, no explanations)
Area 2514, Spencer Bay (provisional, no explanations)
Area 2516, Gibeon (provisional, no explanations)
Area 2518, Köes (provisional, no explanations)
Area 2615, Luderitz (provisional, no explanations)
Area 2616, Bethanien (provisional, no explanations)
3.3.4 SCALE 1:250 000
Black and white copies

1714 Oshakati 1716 Eenhana 1718 Rundu
1812 Opuwo 1814 Etosha West 1816 Namutoni
1818 Karakuwisa 1820 Mukwe 1918 Grootfontein
1920 Tsumkwe 2018 Eiseb 2020 Gam
2118 Steinhausen 2120 Rietfontein

3.3.5 SCALE 1:100 000 COLOUR PLOTS
For available areas see index map below

3.3.6 SCALE 1:100 000
Black and white copies (see index map below)

3.3.7 SCALE 1:50 000
Colour plots available on request
(clipped from 100K or 250K digital data according to availability – see above)

3.3.8 OTHER SCALES
Black and white copies

3.3.8.1 SCALE 1:125 000
Geology of the Otavi Mountainland (colour plot)
2618 Keetmanshoop (Areas 2616D; 2619C and 2619D – B & W prints)
2716 Ai-Ais (Areas 2717D – B & W prints)
2718 Grunau (Areas 2718C and 2718D – B & W prints)

3.3.8.2 SCALE 1:750 000
Simplified map of the Nama Group in Namibia (colour plot)

3.3.8.5 SCALE 1:1 100 000
Mesoproterozoic Belts of Namibia (colour plot)
3.3.8.7 CUSTOMIZED COLOUR PLOTS VARIOUS SCALES (ON REQUEST)
(for available areas see index map)

Charged on the basis of time needed for creating customized map
Digital (jpg/tif/pdf) (minimum cost) N$280.00/hr

Printouts are charged on the basis of map size
A4 N$6.00
A3 N$11.00
A2 N$53.00
A1 N$94.00
A0 N$146.00

3.4 DIGITAL GEOLOGICAL DATA

• PURCHASER is required to complete a confidentiality and copyright agreement at the time of purchase of any digital data from GEOLOGICAL SURVEY.
• Orders must be placed in writing at least seven (7) working days in advance of delivery.
• Data are supplied in ESRI shapefile format (UTM33S WGS84)
• Image files are can be supplied in pdf, jpg or tif format (specify when ordering)

3.4.1 GENERAL
Simplified Geological Map of Namibia
Simplified tectonostratigraphic map of Namibia Free

3.4.2 1:2 000 000 (SCALE OF SOURCE DATA)
Simplified Geological Map of Namibia (1980) N$300.00
(Geology; roads, rivers, farms, regions & districts, nature reserves)
NB. Topocadastral data from 1:1mio geological map of Namibia (1980)
Image format (jpg) N$150.00

3.4.3 1:1 000 000 (SCALE OF SOURCE DATA)
Geological Map of Namibia (1980) N$500.00
(Geology; roads, rivers, farms, regions & districts, nature reserves)
NB. Topocadastral data from 1:1mio geological map of Namibia (1980)
Image format (jpg) N$200.00

3.4.4 1:250 000 SERIES
(Geology compiled from 1:50 000 and 1:100 000 scale field maps; topo data compiled from 1:250 000 topo series published between 1970 and 1980, partly incomplete; due to different mapping status maps vary in detail)

2114 Omaruru per sheet N$1500.00
2214 Walvis Bay
2314 Kuiseb

Provisional per sheet N$1500.00
2014 Fransfontein
2316 Rehoboth
2216 Windhoek

1712 Swartbooisdrif 1912 Sesfontein 1916 Tsueeb 2013 Cape Cross per sheet N$1000.00
2016 Otjiwarongo 2116 Okahandja 2218 Gobabis 2414 Meob Bay
2416 Mariental 2514 Spencer Bay 2516 Gibeon 2615 Lüderitz
2616 Bethanien 2818 Keetmanshoop 2716 Ai-Ais 2718 Grunau
2816 Oranjemund 2818 Warmbad 1914 Kamanjab

1714 Oshakati 1812 Opuwo 1814 Etosha West per sheet N$600.00
1918 Grootfontein 2318 Leonardville 2418 Aranos
2518 Koes

Entire set (one shape file) N$30 000.00
Image format per map sheet N$300.00

3.4.5 1:100 000 BLOCKS
1:250 000 data also available as 1:100 000 blocks dependant on price of 250K sheet
(e.g. Block 2014A – Fransfontein sheet = N$1500/8+15% = N$215)
Image format (jpg/pdf) per map sheet N$150.00
3.4.6 THEMATIC MAPS

Damara Orogen map (1:500 000)  
Image format  
N$2000.00  
N$500.00

Sperrgebiet map (1:500 000)  
Image format  
N$500.00  
N$200.00

Otavi Mountainland map (1:125 000)  
Image format  
N$1500.00  
N$400.00

Otavi Mountainland map (1:250 000)  
Image format  
N$500.00  
N$200.00

Mesoproterozoic Belts of Namibia  
Image format available only for generalized version  
N$1200.00  
N$100.00

Nama Group in Namibia  
Image format available only for generalized version  
N$1200.00  
N$100.00

4. GEOPHYSICAL MAPS AND DIGITAL DATA

4.1 REGIONAL MAGNETIC DATA - Generally 1 km line spacing

(pecial to Geological Survey +10% GST)

4.1.1 MAPS (magnetics and radiometrics where available)

(see index map GPX-No. 1)

4.1.1.1 1:250 000 scale colour maps  
N$120.00

4.1.1.2 1:1 000 000 scale colour maps (4 sheets)  
(Magnetic only)  
N$400.00

4.1.2 DIGITAL DATA (magnetics and radiometrics where available)

Grids only  
N$1 000.00
4.2 HIGH RESOLUTION MAGNETIC AND RADIOMETRIC DATA – 200 m line spacing
(see index map GPX-No. 2)

NOTE: PAYMENTS FOR HIGH RESOLUTION DATA ARE MADE PAYABLE TO:
MINERALS DEVELOPMENT FUND

4.2.1 DIGITAL DATA
4.2.1.1 Data (grids and line archives) sold at base rate of N$1.00 per line km
4.2.1.2 Grids only sold at base rate of N$0.50 per line km
4.2.1.3 Geotiffs sold at N$1000 per 1:250 000 image

4.2.2 MAPS
Magnetics and Radiometrics (where available)

<table>
<thead>
<tr>
<th>Scale</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:250 000</td>
<td>N$1000.00</td>
</tr>
<tr>
<td>1:2 000 000</td>
<td>N$2000.00</td>
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</tbody>
</table>

4.3 OPEN FILE AIRBORNE GEOPHYSICAL DATA (index map GPX-No. 3)
Cost available upon request; not exceeding N$1.00 per line km

4.3.1 DIGITAL DATA
4.3.1.1 VARIOUS SURVEYS
4.3.1.1.1 Gold Fields (abandoned Exploration Licences)
4.3.1.1.2 RTZ (abandoned Exploration Licences)
4.3.1.1.3 Gam Survey (Aeromagnetic)
4.3.1.1.4 Japanese Project (abandoned Exploration Licences)
4.3.1.1.5 Ruacana (Anglo American) (abandoned Exploration Licences)
4.3.1.1.6 German Groundwater Exploration Project - EM and magnetic data
(Digital data in various formats - for detailed information and price where not listed please contact GSN)

4.3.1.2 EM CASE HISTORIES
4.3.1.2.1 Otjimboyo (A)
4.3.1.2.2 Elbe (B)
4.3.1.2.3 Otiere (C)
4.3.1.2.4 Gorob (D)
4.3.1.2.5 Hope (E)
4.3.1.2.6 Namib Lead (F)
5. GEOCHEMICAL MAPS AND ANALYSES

5.1 GEOCHEMICAL MAPS BY CDM MINERAL SURVEYS

Black and white copies
Report N$22.00

5.1.1 SCALE 1:50 000
(Seven maps per map sheet, i.e. geology, sample sites, Zn, Ni, Cu, Co, Pb data + report)

1814 Etoisha West 1914 Kamanjab
1814 AA Ovivero 1914 AA Omaramba
1814 AB Amakange 1914 AB Kowares
1814 AC Ojiju
1814 AD Onamatanga 2120 Rietfontein
1814 CA Rusplas 2120 CC Roibult
1814 CB Ohama 2120 CD Okoutjove
1814 CC Ojikongoi 2120 DC Talismanis
1814 CD Ojivero

2218 Gobabis
2218 BD Gobabis 2219 CA Makam
2218 DB Doringveld 2219 CB Bonne Esperance
2218 DD Spatzenveld 2219 CC Dismyne
2219 AC Welkom 2219 CD Semiliki
5.2 ARCHIVAL GEOCHEMICAL DATA (dbf FORMAT)

Data also available in digital (dbf) format (complete set ca. 710 000 data points; see index map below)

5.3 LABORATORY CHARGES

5.3.1 General sample handling and preparation

5.3.1.1 Rock slabbing and core cutting
- Rock slabs:
  - Core cutting: 35 mm diameter
  - Core cutting: 46 mm diameter
  - Core cutting: 67 mm diameter

5.3.1.2 Polished rock slabs
- Cutting and polishing (single side):

5.3.1.3 Sample Preparation
- Splitting, crushing and pulverising (carbon-steel vessel):
- Sieving:

5.3.1.4 Heavy Mineral Separation (heavy liquids, table, magnetic)
- Including sample preparation (weighing, sieving and washing):

5.3.2 Petrography and Mineralogy

5.3.2.1 Petrographic thin sections:
- Standard section
  - 76 x 51mm
  - 76 x 110mm
- Polished thin section (standard size)
- Polished block (standard size)
5.3.2.2 Petrographic descriptions:
XRD mineralogical determination:
XRD trace and basic interpretation:

5.3.3 Chemical analysis (rocks, minerals, soils, water and oil)
(excluding crushing and pulverising, including loss on ignition)
5.3.3.1 XRF (Pressed powder pellets and/or fusion discs)
• Scan (Na to U), plus semi-quantitative analysis:
• Quantitative: First element
• Subsequent elements
5.3.3.2 Portable XRF (Pulverized samples, rocks, minerals) data formatted in MS Excel
• Qualitative analysis
  solid (rocks, minerals)
• Semi-quantitative analysis
  (powdered samples, excl. sample prep.)
• Drill core analysis (scanning)
5.3.3.3 ICP-AES and AAS (sample preparation by mineral acid/microwave digestion and/or fusion)
• First sample:
• Subsequent samples:
• Subsequent elements

5.3.4 Industrial mineral evaluation
A variety of tests are available (e.g. particle size analysis, thermogravimetry, colour, brightness, clay mineral evaluation etc.). No specific charges are available at this time. Laboratory personnel time is charged at

6. ECONOMIC GEOLOGY MAPS

6.1 MAPS
6.1.1 MINERAL MAP OF NAMIBIA (PROVISIONAL)
(Scale 1:1 000 000; 2 sheets)

6.1.2 1:1 mio Map of Kimberlite Distribution
(Map plus geochemical plots)
(Map only)

6.1.3 1:1 mio Aeromagnetic interpretation and mineral locations of Northwestern Namibia
1:1 mio Aeromagnetic interpretation and mineral locations of Southern Namibia

6.1.4 Dimension Stones in Namibia (1:2 000 000)

6.1.5 CURRENT EPLs (Scale 1:2 000 000)

6.1.6 Besshi-Type Mineralisation along the Matchless Belt (Scale 1:250 000)

6.2 DIGITAL DATA
6.2.1 MINERAL MAP OF NAMIBIA (ESRI shapefiles and layerfiles)
(N.B. Locations of mineral occurrences only partly verified)

6.2.2 Diamondiferous Kimberlite Potential of Namibia (ESRI shapefiles and layerfiles)

6.2.3 CD – Cement Source Materials
(reports/maps from previous exploration)

6.2.4 Scanned archival exploration reports/maps from Earth Data Namibia Database
(as EPL packages; consult database for available information)
per 10 files
How To Purchase Publications/Data

The listed publications can be purchased from the Geological Survey of Namibia, Tel. 284-8111, Fax 24-9144.

Postal address

Private Bag 13297
WINDHOEK
NAMIBIA

Street address

1 Aviation Road
WINDHOEK
NAMIBIA

Please note: Payment, including postage, must accompany the order and is payable in U$, £ or SA Rand. For local purchases, payment is done in N$. All cheques and postal orders should be made payable to the Director, Geological Survey. Order forms, as well as a Confidentiality and Copyright Agreement to be signed for digital data, are included.

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e.g. Price of publication N$11.00

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# ORDER FORM
for Publications and Open File

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REPUBLIC OF NAMIBIA

MINISTRY OF MINES AND ENERGY

GEOLOGICAL SURVEY
5. **Photocopies (N$1 A4 – N$2 A3)**

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having offices at : 1 Aviation Road, Windhoek, Namibia

hereinafter referred to as : ‘GEOLOGICAL SURVEY’ and

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