# LIST OF CONTENTS

## 1. PUBLICATIONS

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

## 2. REPORTS ON OPEN FILE

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

## 3. GEOLOGICAL MAPS AND DIGITAL DATA

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

## 4. GEOPHYSICAL MAPS AND DIGITAL DATA

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

## 5. GEOCHEMICAL MAPS AND ANALYSES

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

## 6. ECONOMIC GEOLOGY MAPS AND DIGITAL DATA

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

## 7. GENERAL

<table>
<thead>
<tr>
<th>Subsection</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

No. 61  HEATH, D.C.  Die geologie van die sisteem Karoo in die gebied Mariental-Asab, Suidwest-Afrika, 44 pp.  OUT OF PRINT: Photocopies only available

N$50.00


N$110.00

1.2 SOUTH WEST AFRICA SERIES

No. 1  DE KOCK, W.P. 1934.  The Geology of the Western Rehoboth, 148 pp.  OUT OF PRINT: Photocopies only available

N$155.00

No. 2  HAUGHTON, S.H. and FROMMURZE, H.F. 1936.  The Geology of the Wambad district South West Africa, 64 pp.  OUT OF PRINT: Photocopies only available

N$70.00

No. 3  SMITH, D.A.M. 1965.  The geology around the Khan and Swakop Rivers in South West Africa. 113 pp. (Explanation to geological map 2215A Ebony, 2215B Usakos, scale: 125 000).  OUT OF PRINT: Photocopies only available

N$120.00

No. 4  PORADA, H.R. 1974.  The Khoabendus formation in the area northwest of Kamanjab and in the South-Eastern Koakoveld, South West Africa. 23 pp. Map.  OUT OF PRINT: Photocopies only available

N$30.00

No. 5  PORADA, H.R. and HILL, R.S. 1974.  The marble deposits of South West Africa. 57 pp.  OUT OF PRINT: Photocopies only available

N$65.00

No. 6  MILLER, R. McG. 1980.  Geology of a portion of central DamaraLand, South West Africa/Namibia. 78 pp.  OUT OF PRINT: Photocopies only available

N$85.00

1.3 MEMOIRS OF THE GEOLOGICAL SURVEY OF NAMIBIA


N$95.00


N$90.00


N$125.00


N$55.00

No. 11  HOAL, B.G. 1990.  The geology and geochemistry of the Proterozoic Awasib Mountain terrain, southern Namibia, 163 pp.

N$163.00


N$95.00


N$55.00


N$60.00

No. 15  KUKLA, C. 1993.  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. 139 pp.

N$145.00

No. 16  STEVEN, N.M. 1993.  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. 166 pp.

N$165.00
<table>
<thead>
<tr>
<th>No.</th>
<th>Author</th>
<th>Title</th>
<th>Pages</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<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$80.00</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$155.00</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$400.00</td>
</tr>
<tr>
<td>20</td>
<td>Pickford, M. &amp; Senut, B.</td>
<td>Geology and Palaeobiology of the Northern Sperrgebiet, Namibia</td>
<td>155</td>
<td>N$155.00</td>
</tr>
<tr>
<td>21</td>
<td>Pickford, M. &amp; Senut, B.</td>
<td>Karst Geology and Palaeobiology of Northern Namibia</td>
<td>74</td>
<td>N$75.00</td>
</tr>
</tbody>
</table>
1.4 BULLETINS OF THE GEOLOGICAL SURVEY OF NAMIBIA

No. 1  DALTRY, V.D.C. 1993. Type mineralogy of Namibia. 142 pp.  N$145.00

No. 2  EBERLE, D & HUTCHINS, D.G. 1996. The regional magnetic data set of Namibia: Comments on compilation and geological overview. 40 pp.  N$40.00

No. 3  EBERLE, D. & HUTCHINS, D.G. & PETZEL, V. 1997. The regional radiometric data set of Namibia: Comments on compilation of the data from west central and southern Namibia and on anomaly patterns thereof. 50 pp.  N$50.00


1.5 BIBLIOGRAPHY OF S.W.A/NAMIBIA EARTH SCIENCE


1.6 COMMUNICATIONS OF THE GEOLOGICAL SURVEY OF NAMIBIA

Vol. 1, 1985. 102 pp.  N$100.00

HOAL, B.G.  Preliminary report on the geology of the south-eastern part of the Diamond Area No. 2, South West Africa/Namibia.
HEGENBERGER, W. and BURGER, A.J. Die Oorlopende Pophyry Member, South West Africa/Namibia: Its age and regional setting.
DE KOCK, G.S.  Die geologie van ’n gebied suidoos van Karibib, Suidwes-Afrika/Namibië.
DE KOCK, G.S.  Die Otjimbingwe Alkaliese Kompleks wes van Otjimbingwe, Suidwes-Afrika/Namibië.
HEGENBERGER W.  Some aspects of Nama and Karoo sedimentation from a borehole south-east of Gobabis.
VON KNOHRING, O.  Some mineralogical, geochemical and economic aspects of lithium pegmatites from the Karibib – Cape Cross pegmatite field in South West Africa/Namibia.
VON KNOHRING, O.  Niobium and Tantalum minerals.


BULLEY, B.G.  The engineering geology of Swakopmund.
BADENHORST, F.P.  ‘n Voorlopige petrografiese studie van die granitiese gesteentes van Gebied 2115B in die noordelike Sentrale Sone van die Damara-oroogen.
DIEHL, M.  Preliminary report on the Cape Cross - Uis pegmatite field.
ALDRICH, S.  Progress report on a gravity and magnetic investigation of the Messum and Erongo igneous complexes.
HOAL, B.G., HARMER, R.E. AND EGLINGTON, B.M.  Rb-Sr geochronology of the Middle to Late Proterozoic Awasb Mountain Terrane.
SWART, R.  A note on an occurrence of scapolite in the Noorthern Zone of the Damara Orogen.
VON KNOHRING, O.  A note on tin-tantalum pegmatites in the Damara Orogen and alkali rocks associated with the Brandberg Complex.
BORG, G. AND MAIDEN, K.J.  A preliminary appraisal of the tectonic and sedimentological environment of the Sinclair Sequence in the Klein Aub area.
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.


MILNER, S.C. The geological and volcanological features of the quartz latites of the Etendeka Formation.

KASCH, K.W. Tectonic subdivision, lithostratigraphy and structural geology of the Upper Black Nossob River area.

BREITKOPF, J.H. AND MAIDEN K.J. A volcanogenic exhalative iron formation in the Southern Margin Zone of the Damara Orogen.

WILLIAMS-JONES, I.E. The petrology of the basalts of the Dordabis Formation, in the vicinity of Dordabis in central S.W.A./Namibia.

BADENHORST, F.P. Lithostratigraphy of the Damara Sequence in the Omaruru area of the northern Central Zone of the Damara Orogen and a proposed correlation across the Omaruru Lineament.

HOFFMANN, K.H. Stratigraphic subdivision and sedimentary facies of the Duruchaus Formation in the Geelkop Dome and Nauaspoort-Wortelpoort area north of Rehoboth, southern Damara Belt.

SWART, R. The Brandberg West Formation - a Late Proterozoic carbonate turbidite?

MERRY, C.L., VAN GYSSEN, H. AND DIEHL, M. A reconnaissance gravity survey of the Skeleton Coast.

SCHNEIDER, G.I.C. On the mineralogy of nambulite, a rare manganese silicate from Namibia, Japan and Brazil.

DE KOCK, G.S. Aspekte van die Okongavabatoliet en insluitsels van die mafiese Audawibsuite op Otjimbingwe 104, Suidwes-Afrika.

HEGENBERGER, W. Gas escape structure in Precambrian pelitic carbonate rocks.

WARD, J.D. AND MARTIN, H. A terrestrial conglomerate of Cretaceous age - a new record from the Skeleton Coast, Namib Desert.

SWART, R. Aspects of the geology of the guano islands north of Lüderitz.


KASCH, K.W. Metamorphism of pelites in the Upper Black Nossob River area of the Damara Orogen.


BORG, G., GRAFT N. AND MAIDEN, K.J. The Klein Aub Fault Zone - a wrench fault system in Middle Proterozoic metasediments in central SWA/Namibia.

PIRAJ NO, F. AND JACOB, R.E. Hydrothermal tin - tungsten mineralisation in the Brandberg West - Goantagab area of the Damara Orogen, SWA/Namibia.

PREUSSINGER, H., MAIDEN, K.J. AND OKRUSCH, M. Contrasting styles of sedimentation in metasediments of the Kuiseb Formation near Gorob, SWA/Namibia.

SCHMIDT-MUMM, A. AND BEHR, H.J. Fluid inclusion studies on hydrothermal mineralisation associated with the Duruchaus Formation: Genetic aspects of large quartz - dolomite bodies and associated alteration.

LÖFFLER, T. UND PORADA, H. Fazielle Untersuchungen an Metapsammiten der Duruchaus Formation (Geelkop - Aufwölbung, südliches Damara Orogen, Namibia/Südwestafrika).

PFURR, N., WISSMANN, K. AHRENDT, H., HILL, R.S. AND WEBER, K. Alpinotype thrust tectonics and basement - cover relationships in the Southern Margin Zone of the Pan-African Damara Orogen, Rostock area.

STEVEN, N.M. Tungsten mineralisation at the Otjua prospect: a geological and geochemical investigation.

HARRIS, C. A note on native copper occurrences in Karoo basalts of the Etendeka Formation.

COOPER, A. F. Geology of Dicker Willem, a subvolcanic carbonatite complex in south-west Namibia.

HAACK, U. AND Gohn, E. Rb-Sr data on some pegmatites in the Damara Orogen (Namibia).

WARD, J.D. AND BULLEY, B.G.  Aeolian deposits at Henties Bay, central Namib coast: provenance and engineering implications.  


HARRIS, C.  Oxygen isotope geochemistry of a quartz-agate geode from north-western Namibia.  


HEGENBERGER, W.  Karoo sediments of the Erongo Mountains, their environmental setting and correlation.  

KASCH, K.W.  Lithostratigraphy and structural geology of the upper Swakop River area east of Okahandja, SWA/Namibia.  

BADENHORST, F.P.  A note on stratiform tourmalinites in the Late Precambrian Kuiseb Formation, Damara Sequence.  


WALRAVEN, FELIX C.  Geology and alteration-mineralisation in the Gamigab area, north of the Brandberg.  

SWART, R.  Notes on the geology of some of the guano islands off the coast of Namibia.  

CILLIERS, B. EN BEUKES, N.J.  'n Petrogenetiese studie van 'n gedeelte van die Namakwalandse Metamorfe Kompleks langs die Oranjerivier, tussen die Ramansdrif- en Homriviere, in suidelike Suidwes-Afrika/Namibië.  

BADENHORST, F.P.  The lithostratigraphy of the Chos mixtite in part of the southern Central Zone of the Damara Orogen, South West Africa.  


HOAL, B.G.  The geological history of the Awasib Mountain terrain and its relationship to the Messum Complex, Namibia.  


HOFFMANN, K.H.  New aspects of lithostratigraphic subdivision and correlation of late Proterozoic to early Cambrian rocks of the southern Damara Belt and their correlation with the central and northern Damara Belt and the Gariep Belt.  


SWART, R.  Note: Porphyroblastic K-feldspar from low-grade marbles of the Northern Zone of the Damara Orogen, Namibia.  


MCLACHLAN, I.R. Introductory note on the history of the Kudu prospect.  

VAN RIJ SWIJCK, P.G. AND STEYN, A.  A short note on the results of geophysical logging and testing at the Kudu 9A-2 and 9A-3 boreholes.  

WICKENS, H. DE V. AND MCLACHLAN, I.R.  The stratigraphy and sedimentology of the reservoir interval of the Kudu 9A-2 and 9A-3 boreholes.  


BENSON, J.M.  Palynofacies characteristics and palynological source rock assessment of the Cretaceous sediments of the northern Orange Basin (Kudu 9A-2 and 9A-3 boreholes).  

MAROT, J.E.B.  Petrography and porosity of the gas-bearing sandstones intersected by the Kudu 9A-2 and 9A-3 boreholes.  

DAVIS, C.P.N. AND VAN DER SPUY, D.  Chemical and optical investigations into the hydrocarbon source potential and thermal maturity of the Kudu 9A-2 and 9A-3 boreholes.  

ERLANK, A.J., LE ROEX, A.P., HARRIS, C., MILLER, R. MCG. AND MCLACHLAN, I. Preliminary note on the geochemistry of basalt samples from the Kudu boreholes.  

HORSTHEMKE, E., LEDENDECER, S. AND PORADA, H.  Depositional environments and stratigraphic correlation of the Karoo Sequence in northwestern DamaraLand.  


NS90.00  

NS70.00
**Vol. 7, 1991, 78 pp.**

REID, DAVID L.  Alkaline rocks in the Kuboos-Bremen igneous province, southern Namibia: The Kanabeam multiple ring complex.

BÜHN, B., STANISTREET, I.G. AND CHARLESWORTH, E.G.  Multiple deformation patterns in the Otjozonduo manganese mining area, eastern Damara Belt, Namibia.

KELLER, P.  The occurrence of Li-Fe-Mn phosphate minerals in granitic pegmatites of Namibia.

PFURR, N., AHRENDT, H., HANSEN, B.T. AND WEBER, K.  U-Pb and Rb-Sr isotopic study of granitic gneisses and associated metavolcanic rocks from the Rostock massif, southern margin of the Damara Orogen: implications for lithostratigraphy of this crustal segment.


WATKINS, R.T. AND LE ROEX, A.P.  Petrology and structure of syenite intrusions of the Okenyenya igneous complex.


**Vol. 8, 1992, 159 pp.**

STEVEN, N.M., ARMSTRONG, R.A. AND MOORE, J.M.  New Rb-Sr data from the Central Zone of the Damara Orogen, Namibia.

BÜHN, B. AND STANISTREET, I.G.  A Correlation of structural patterns and lithostratigraphy at Otjozonduo with the Damara Sequence of the southern Central Zone, Namibia.


DINGLE, R.V.  Structural and sedimentary development of the continental margin off southwestern Africa.

DAVIS, C.P.N. AND VAN DER SPUY, D.  The Kudu wells: Results of a biomarker study related to burial history modelling.

KELBER, K.-P., FRANZ, L., STACHEL, T., LORENZ, V. AND OKRUSCH, M.  Plant fossils from Gross Brukkaros (Namibia) and their biostratigraphical significance.

MILLER, D.E. AND KINAHAN, J.  The metallurgical analysis of copper beads and ore from archaeological sites in central Namibia.


SIEGFRIED, P.R.  Report: Results of preliminary investigation into the geology of the Diaz Point Formation. Lüderitzbucht, Namibia.

SAYLOR, B.Z.  Report: Progress report on the stratigraphy of the Nama Group, Namibia.

SWART, R.  Note: Cretaceous synvolcanic conglomerates on the coastal margin of Namibia related to the break-up of West Gondwana.

HENRY, G., OSBORNE, M.A. AND SCHMEROULD, R.K.  Note: Proposed lithostratigraphic subdivision of the Ugab Subgroup (Damara Sequence) in Kaokoland, Namibia.

PICKFORD, M.  Note: Age of supergene ore bodies at Berg Aukas and Harasib 3a, Namibia.

STEVEN, N.M.  Note: The potential for stratified copper (-silver-platinum) mineralisation in the Rehoboth-Dordabis-Witvlei area, central Namibia: a new approach.

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

STEVEN, N.M.  A study of epigenetic mineralisation in the Central Zone of the Damara Orogen, with special reference to gold, tungsten, tin and rare earth elements.

**Vol. 9, 1994, 98 pp.**


PICKFORD, M.H.F.  A new species of Propyrax (Mammalia, Hyracoidea) from the middle Miocene of Amisdrift, Namibia.

STEVEN, N.M., BADENHORST, F.P. AND PETZEL, V.F.W.  A review of gold occurrences in the Northern and Central Zone of the Damara Orogen and the underlying Mid-Proterozoic basement,
central Namibia.

BECKER, T., AHRENDT, H. AND WEBER, K. Report: The geological history of the pre-Damaran Gaub Valley Formation and the Weener Igneous Complex in the vicinity of Gamsberg.

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

STEVEN, N.M. AND THATCHER, E.C. Note: A magnetite-bearing diorite with possible lamprophyric affinities at Eausiro West, Erongo Region, central Namibia.


WILLNER, A.P. Pressure-temperature evolution of a low-pressure amphibolite facies terrane in central Bushmanland (Namaqua Mobile Belt; South Africa).

JUNG, S., HOFFER, E., MASBERG, P. AND HOERNES, S. Geochemistry of granitic in-situ low-melt fractions – an example from the Central Damara Orogen.

OLIVER, G.J.H. The Central Zone of the Damara Orogen, Namibia, as a deep metamorphic core complex.

BOWDEN, P., HERD, D. AND KINNAIRD, J.A. The significance of Uranium and Thorium concentrations in pegmatitic leucogranites (alaskites), Rössing Mine, Swakopmund, Namibia

NEX, P. AND KINNAIRD, J.A. Granites and their mineralisation in the Swakop River area around Goanikontes.


HATION, C.J. The Bushveld Complex, a product of interaction among magmas derived from a mantle plume.

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

BORG, B.G. Metallocrogenesis of Neoproterozoic basins in Namibia and Botswana.


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

EBERLE, D., ANDRITZKY, G. AND WACKERLE, R. The new magnetic data set of Namibia: Its contribution to the understanding of crustal evolution and regional distribution of mineralization.


SAYLOR, B.Z. AND GROTZINGER, J.P. Reconstruction of important Proterozoic-Cambrian boundary exposures through the recognition of thrust deformation in the Nama Group of southern Namibia.

SMITHES, R.H. AND MARCH, J.S. Alkaline rocks in the Kubus-Bremen igneous province, southern Namibia: the Grootpensieland and Marinkas Kwela Complexes.


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 Naub has area and their significance for Paleoproterozoic crustal evolution in Namibia.

HOFFMAN, P.F., HAWKINS, D.P., ISACHSEN, C.E. AND BOWRING, S.A. Precise U-Pb zircon ages for early Damaran magmatism in the Summas Mountains and Welwitschia Inlier, northern Damara belt, Namibia.

OLIVIER, C.J.H. AND KINNAIRD, J.A. The Rössing-Sj dome, Central Zone, Damara Belt, Namibia: an example of mid-crustal extensional rifting.


HOFFMANN, K.H. AND PRAVE, A.R. A preliminary note on a revised subdivision and regional correlation of the Otavi Group based on glaciogenic diamictites and associated cap dolostones.


CORNER, B. Crustal framework of Namibia derived from magnetic and gravity data


BECKER, T. & BRANDENBURG, A. The evolution of Alberta Complex, Naub Diorite and Elim
Formation within the Rehoboth Basement Inlier, Namibia: geochemical constraints.

BECKER, T., DIEDRICHS, B., HANSEN, B.T. & WEBER, K. Weener Igneous Complex: geochemistry and implications for the evolution of the Palaeoproterozoic Rehoboth basement inlier; Namibia.

COLLISTON, W.P. & SCHOCH, A.E. Mid-Proterozoic tectonic evolution along the Orange River on the border between South Africa and Namibia.

PORADA, H. & LÖFFLER, T. Microbial shrinkage cracks in siliciclastic rocks of the Neoproterozoic Nsib Group (Damara Supergroup) of central Namibia.

KILLICK, A. The Matchless Belt and associated sulphide mineral deposits, Damara Orogen, Namibia.


MALOOF, A.C. Superposed folding at the junction of the inland and coastal belts, Damara Orogen, NW Namibia.

PUHAN, D., FILLIE, S. & HENKEL, N. Evolution of the assemblage magnesite and quartz by metasomatic reactions within metadolomites during retrogressive metamorphism in the southern Damara Orogen, Namibia.

GROß, C.J., WEBER, K., SIEGESMUND, S. & VOLLBRECHT, A. Abnormal grain growth and Fe/Mn stained fluid paths in metacarbonates of the Damara Orogen (Namibia).

MASBERG, P. Garnet growth in medium-pressure granulite facies metapelites from the central Damara Orogen: igneous versus metamorphic history.

SETH, B., OKRUSCH, M., WILDE, M. & HOFFMANN, K. The Voetspoor Intrusion, Southern Kaoko Zone, Namibia: mineralogical, geochemical and isotopic constraints for the origin of a syenitic magma.


JACOB, R.E., MOORE, J.M. & ARMSTRONG, R. Zircon and titanite age determinations from igneous rocks in the Karibib District, Namibia: implications for Navachab vein-style gold mineralization.


FRIMMEL, H. The stratigraphy of the Chameis Sub-terrane in the Gariep Belt in southwestern Namibia.


BORG, G. Regional controls on sediment-hosted Pb-Zn (Ba-Cu) occurrences within the Pan-African orogenic belts of Namibia.

GROßZINGER, J.P. Facies and paleoenvironmental setting of thrombolite-stromatolite reefs, Terminal Proterozoic Nama Group (ca. 550 – 548 Ma), central and southern Namibia.

BANGERT, B., STOLLHOFEN, H. GEIGER, M. & LORENZ, V. Fossil record and high-resolution tephrostratigraphy of Carboniferous glaciomarine mudstone, Dwyka Group, southern Namibia.


WANKE, A., STOLLHOFEN, H., STANISTREET, I.G. & LORENZ, V. Karoo unconformities in NW Namibia and their tectonic implications.


BAUMGARTNER, M.C. LE ROEX, A.P. & GURNEY, J.J. Mantle and crustal xenoliths from the Okenyenia lamprophyre diatreme: constraints on the upper mantle and lower crust beneath the Damara Belt, northwestern Namibia.


MILLER, T.M. The Agate Mountain Carbonatite Complex, Cape Flia, NW Namibia.

AIZAWA, M., BLICK, B., CARTWRIGHT, J., MILNER, S., SWART, R. & WARD, J. Constraints on the geomorphological evolution of Namibia from the offshore stratigraphic record.


KURSZLAUKIS, S. & LORENZ, V. Volcanology of the Kimberlitic Gibeon Volcanic Field, southern Namibia.
Namibia.

PICKFORD, M. Neogene and Quaternary vertebrate biochronology of the Sperrgebiet and Otavi Mountainland, Namibia.

SENUT, B. Fossil ratite eggshells: a useful tool for Cainozoic biostratigraphy in Namibia.

MEIN, P., PICKFORD, M. & SENUT, B. Late Miocene micromammals from the Harasib karst deposits, Namibia. Part I – Large muroids and non-muroid rodents.

MEIN, P., PICKFORD, M. & SENUT, B. Late Miocene micromammals from the Harasib karst deposits, Namibia. Part 2a – Myocricetodontinae, Petromyscinae and Namibimyinae (Redentia, Gerbillidae).


SIMMONDS, A.LE. & SMALLEY, T.J. Kalahari aquifers in the Gam area of north-eastern Namibia.


MWIYA, S. An Overview of Semi-Quantitative, Qualitative and Knowledge-Based System Methodologies Relevant to Solid Waste Disposal Site Design in Arid and Semiarid Environments in Namibia.

MWIYA, S. & GILES, D. A knowledge-based approach to Municipal Solid Waste Disposal Site Development in the Karstified Dolomitic terrain around the town of Tsumeb in North-Central Namibia.

SCHNEIDER, G.I.C. & WALMSLEY, B. The Sperrgebiet Land Use Plan – An example of integrated Management of Natural Resources.

NGUNO, A.K. Kimberlite indicator minerals of the Gibeon Kimberlite Province (GKP), southern Namibia: Their character and distribution in kimberlite intrusions and fluvial sediments.

MEIN, P., PICKFORD, M. & SENUT, B. Late Miocene micromammals from the Harasib karst deposits, Namibia. Part 2b - Cricetomyidae, Dendromuridae and Muridae, with an addendum on the Myocricetodontinae.

SCHNEIDER, T., BECKER, T., BORG, G., HILKEN, U., HANSEN, B.T. & WEBER, K. New U-Pb zircon ages of the Nückopf formation and their significance for the Mesoproterozoic event in Namibia.

BECKER, T., WIEGAND, B., HANSEN, B.T. & WEBER, K. Sm-Nd, Rb-Sr and U-Pb data from the Rehoboth Basement Inliers, Namibia: Evidence of a Paleoproterozoic magmatic arc.

HAHN, L., SOLESBURY, F. & MWIYA, S. Assessment of Potential Environmental Impacts and Rehabilitation of Abandoned Mine Sites in Namibia.

BARTH, A., ECKARDT, J., PETZEL, V. & SCHREIBER, U. Earth Data Namibia - a milestone in information management at the Geological Survey of Namibia: background, data base design, features, further planning.

AJAGBE, S.D. The Economic Geology Mineral Resources Information Series – an important step towards a successful mineral exploration programme.

BECKER, T. & GOSSCOMBE, B. The geochronological database of Namibia.

Vol. 14, 2009, 93 pp. (only available digitally) N$95.00

Vol. 15, 2014, 142 pp. (only available digitally) N$140.00

Communications 1 – 15 CD (still in preparation) N$100.00

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$600.00


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
11

(Includes geological maps, scale 1:500 000). (Book out of print, available on CD only – pdf)


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

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

1.8.5. SADC Publications. Mining Sector Coordinating Unit. Mineral Resource Survey Programme
Bauxite deposits in the SADC region. (Project AAA 3.5), 1997.
Heavy-mineral sand deposits in the SADC region. (Project AAA 3.6), 1997.
Diamonds in the SADC Region (Project AAA 1.2), 1999.

1.8.6 Special Publication (Minerals Development Fund)
Volume 1 : Archaean to Mesoproterozoic
Volume 2 : Neoproterozoic to Lower Palaeozoic
Volume 3 : Palaeozoic to Cenozoic

1.8.7 Special Publication (Geohydraulics)
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N$ 150.00

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123 p, 13 diagrams, 6 maps.
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RG-4 Pleistocene to recent faulting in the area west of Omaruru (SWA/Namibia). J A Klein, 1980. 35 p, 2 maps.
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EG 007 Barytes, Bludskap 268, Otjo District (Carr, R.G. 1978). 9 pp. 1 map N$10.00

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EG 011 The beryl on the farm Nakeis No. 11, S.W.A. (Schwellnus, C.M. 1938,1 pp. N$10.00
EG 013 The Roobank iron deposit (Heath, D.C. 1961). 1 pp., 1 map.
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EG 018 Minereale-hulpbron en Mynbou-ontwikkeling - Owambo. (Söhne, G. 1974). 34 pp + 1 borehole map + 1 map
EG 019 A report on the geology of the Klein Aub copper prospect, Rehoboth District. (Anon, 1962 ?) 8 pp., 1 map.
EG 020 The geology of the Otjosondu manganese occurrence (Vermaak, C.F. 1969). 7 pp + 1 map
EG 022 Minor Cu-occurrences: Rehoboth; KwaKwas 251, Hamis 280, Opdam 284, Witkranz 342, AUCHAS 347, (Söhne, G and Linning, K. 1961/62). 29 pp.
EG 025 Copper occurrences on Vergeleë 380, Gibeon District, Schlip and environs, Farm Schlipmündung, Kalkrand District and Khorrob 65, Keetmanshoop District. (Anon, 1963) 4 pp.
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EG 103 Namibia’s Principal Industrial Mineral Deposits. (D.P. Piper, 1998) N$10.00
2.4 GEOPHYSICS

2.4.1 OPEN FILE PUBLICATIONS (Available at GS Sales)

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


GPX-7 Operational Report on Airborne Geophysical Survey : (S8/76 and S9/76). 18 pp., 1 map.


GPX-12 Geofisiese ondersoek van voorgestelde damterreine op die plase Nakaeis 373 en Schlip 472 in die Rehoboth Gebiet. S Aldrich, Junie 1978. 7 pp.


GPX-16 Airborne radiometric interpretation of Blocks S12/79, S13/79 and S14/79 (Sheets : 2217; 2218; 2219; 2116; 2117; 2118). S Aldrich, April 1980. 28 p, 1 map. (1:250 000), 2 diagrams.

GPX-17 Bykomende regionale gravitasiëwaamings in die gebied 21 tot 30 S en 17 tot 23 oos met opdatering van die Namibia gravitasie-data. C P Venter 1980. 152 p, 2 maps (1:1 000 000), 1 A3 diagram.

GPX-18 Bepaling van die absolute waardes van gravitasiebasisse in Windhoek, Namibia. C P Venter, Julie 1980. 36 pp, 2 diagrams (A3).


GPX-22 An HP-9830 computer program for the interpretation of two dimensional gravity anomalies - structures are developed from reference depth towards the surface. S Aldrich, September 1981. 23 pp.


GPX-27 Programmes for HP9830 calculator. S Aldrich 1984 (Not available).


GPX-29 Airborne Magnetic Survey, Gobabis Block, Namibia. E O Köstlin (CDM Mineral Surveys), September 1978. 11 p, 1 map (1:250 000), 1 SWA map (A3).

GPX-29/1 Geological Interpretation Sheet 2218 BD - Gobabis 107 pp.
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| GPX-34       | Airborne Magnetic and Radiometric Survey - Grünau and extention areas Namibia. E O Köstlin (CDM Mineral Surveys), August 1984. 31 pp. | N$35.00  |
| 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$60.00  |
| GPX-38       | An aeromagnetic interpretation of the geology of the Otjosondu mining area of South West Africa/Namibia (Sheets 2117, 2118). Joan Tod, Geotermex Ltd., Ottawa, 1983. 38 pp. | N$45.00  |
2.4.2 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.

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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.

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2.5 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), J June 1983. 5 pp.


2.6 ECONOMIC GEOLOGY MINERAL INFORMATION SERIES


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

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Area 2217C Bismarckberge. 1986.

3.2 GEOLOGICAL MAPS PUBLISHED BY OTHER ORGANISATIONS

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3.3 GEOLOGICAL MAPS ON OPEN FILE (UNPUBLISHED)

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<td>N$250.00</td>
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<td>2618 Keetmanshoop (Areas 2616D; 2619C and 2619D – B &amp; W prints)</td>
<td>N$30.00</td>
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<tr>
<td>1:125 000</td>
<td>2716 Ai-Ais (Areas 2717D – B &amp; W prints)</td>
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<td>2718 Grunau (Areas 2718C and 2718D – B &amp; W prints)</td>
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<tr>
<td>1:750 000</td>
<td>Simplified map of the Nama Group in Namibia (colour plot)</td>
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<td>1:1 100 000</td>
<td>Mesoproterozoic Belts of Namibia (colour plot)</td>
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<td>CUSTOMIZED COLOUR PLOTS VARIOUS SCALES (ON REQUEST)</td>
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<td>Charged on the basis of time needed for creating customized map</td>
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### 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 (UTM 33S 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 Flyer

Free

### 3.4.2 1:2 000 000 (SCALE OF SOURCE DATA)

Simplified Geological Map of Namibia (1980)

(Geology; roads, rivers, farms, regions & districts, nature reserves)

NB. Topo cadastral data from 1:1mio geological map of Namibia (1980)

Image format (jpg)

N$300.00

### 3.4.3 1:1 000 000 (SCALE OF SOURCE DATA)

Geological Map of Namibia (1980)

(Geology; roads, rivers, farms, regions & districts, nature reserves)

NB. Topo cadastral data from 1:1mio geological map of Namibia (1980)

Image format (jpg)

N$500.00

### 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)

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<th>Price per sheet</th>
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<tr>
<td>2214 Walvis Bay</td>
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<tr>
<td>2314 Kuiseb</td>
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<td>2014 Fransfontein</td>
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2016 Otjiwarongo 2116 Okahandja 2218 Gobabis 2414 Meob Bay
2416 Mariental 2514 Spencer Bay 2516 Gibeon 2615 Lüderitz
2616 Bethanien 2618 Keetmanshoop 2716 Ai-Ais 2718 Gibeon
2816 Oranjemund 2818 Warmbad 1914 Kamanjab

2518 Koes
2418 Aranos
2318 Leonardville

1814 Etosha West (areas 1814A and C only)

2418 Lüderitz
2616 Bethanien
2618 Keetmanshoop
2716 Ai-Ais
2718 Gibeon

2816 Oranjemund
2818 Warmbad
1914 Kamanjab

N$30 000.00

3.4.5 1:100 000 BLOCKS
1:250 000 data also available as 1:100 000 blocks
(e.g. Block 2014A - Fransfontein sheet = N$1500/8+15% = N$215)

3.4.6 THEMATIC MAPS
Damara Orogen map (1:500 000)  N$2000.00
Image format (jpg/pdf)  N$500.00

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

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

Otavi Mountainland map (1:250 000)  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
(payable 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)

4.2 HIGH RESOLUTION MAGNETIC AND RADIOMETRIC DATA - 200 m line spacing
(see index map GPX-No. 2)

Magnetics and Radiometrics (where available)

1:250 000 scale
1:2 000 000 scale

4.3 DIGITAL GEOPHYSICAL DATA

The new 2014 pricelist applies for the scissor-able geophysical data sets available from the Geophysics and Remote Sensing Division:

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

4.4.1 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 Otjiere (C)
4.3.1.2.4 Gorob (D)
4.3.1.2.5 Hope (E)
4.3.1.2.6 Namib Lead (F)
NOTE:
PAYMENTS FOR HIGH RESOLUTION DATA ARE MADE PAYABLE TO:
MINERALS DEVELOPMENT FUND

For further queries, contact the Geophysics Division at +264-(0)61-284-8369.

5. GEOCHEMICAL MAPS AND ANALYSES

5.1 GEOCHEMICAL MAPS BY CDM MINERAL SURVEYS

Black and white copies
Report

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

<table>
<thead>
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<td>1914 AD Onamatanga</td>
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<td>1814 AD Omaramba</td>
<td>1914 AB Ovivero</td>
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<tr>
<td>1814 CA Ruuplaas</td>
<td>2120 Retfontein</td>
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<td>1814 CB Ovama</td>
<td>2120 CC Rooubult</td>
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<td>1814 CD Otjiverto</td>
<td>2120 DC Talismanis</td>
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</table>

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

### 5.2 ARCHIVAL GEOCHEMICAL DATA (dbf FORMAT)

**N$10/1000** data points. Consult geologist for data available.

### 5.3 LABORATORY CHARGES

#### 5.3.1 General sample handling and preparation

##### 5.3.1.1 Rock slabbing and core cutting

- **Rock slabs:** N$96/hr and N$6.00/100cm²
- **Core cutting:** 35 mm diameter - N$96/hr and N$8.00/m
- **Core cutting:** 46 mm diameter - N$96/hr and N$10.00/m
- **Core cutting:** 67 mm diameter - N$96/hr and N$12.00/m
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
N$182.00/hr

5.3.2.3 XRD mineralogical determination
XRD trace and basic interpretation:
N$169.00/sample

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:
  N$36/sample
- Quantitative: First element:
  N$55.00/sample
- Subsequent elements:
  N$7.00/element/sample

5.3.3.2 Portable XRF (Pulverized samples, rocks, minerals) data formatted in MS Excel
- Qualitative analysis:
  solid (rocks, minerals):
  N$18/sample
  or N$218/hr
- Semi-quantitative analysis:
  powdered samples, excl. sample prep.:
  N$24/sample
  or N$242/hr
- Drill core analysis (scanning):
  N$218/hr

5.3.3.3 ICP-AES and AAS (sample preparation by mineral acid/microwave digestion and/or fusion)
- First sample:
  N$79/element
- Subsequent samples:
  N$24/first element
- Subsequent elements:
  N$19.00/element

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 per hour temporary on offer

6. ECONOMIC GEOLOGY MAPS

6.1 MAPS
6.1.1 Mineral Map of Namibia (Provisional)
(Scale 1:1 000 000; 2 sheets)
N$200.00

6.1.2 1:1 mio Map of Kimberlite Distribution
(Map plus geochemical plots)
(Map only)
N$150.00
N$120.00

6.1.3 1:1 mio Aeromagnetic interpretation and mineral locations of Northwestern Namibia
N$150.00
1:1 mio Aeromagnetic interpretation and mineral locations of Southern Namibia
N$150.00

6.1.4 Dimension Stones in Namibia (1:2 000 000)
N$120.00

6.1.5 Current EPLs
(Scale 1:2 000 000)
N$143.00

6.1.6 Besshi-Type Mineralisation along the Matchless Belt
(Scale 1:250 000)
N$150.00

6.2 DIGITAL DATA
6.2.1 Mineral Map of Namibia
(ESRI shapefiles and layerfiles)
(N.B. Locations of mineral occurrences only partly verified)
N$600.00

6.2.2 Diamondiferous Kimberlite Potential of Namibia
(ESRI shapefiles and layerfiles)
N$500.00

6.2.3 CD - Cement Source Materials
(reports/maps from previous exploration)
N$200.00

6.2.4 Scanned archival exploration reports/maps from Earth Data Namibia Database
(as EPL packages; consult database for available information)
per 10 files
N$100.00
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 US$, £ or SA Rand. For local purchases, payment is done in N$. 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.

POSTAL RATES:
Postal rates depend on destination address and weight of the parcel and are determined by NAMPOST. You will be informed by e-mail

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<td>MINISTRY OF MINES AND ENERGY</td>
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<td>GEOLOGICAL SURVEY</td>
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ORDER FORM
for Publications and Open File

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5. **Photocopies (N$1 for A4 and N$2 for A3)**

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**TOTAL:**

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Telephone: ......................... ...(W) .................................................. (H)

Signature: ........................................ Date: ........................................
CONFIDENTIALITY AND COPYRIGHT AGREEMENT
FOR THE PURCHASE OF DIGITAL DATA

THIS CONTRACT made and entered into by GEOLOGICAL SURVEY OF NAMIBIA, a Directorate of the Ministry of Mines and Energy, Government of the Republic of Namibia.

having offices at: 1 Aviation Road, Windhoek, Namibia

hereinafter referred to as: ‘GEOLOGICAL SURVEY’ and

the purchaser/company: ..........................................................................................................................................

having offices at: ....................................................................................................................................................

Postal address: .....................................................................................................................................................

Telephone number: ............................................................................................................................................... 

hereinafter referred to as: PURCHASER.

TITLE OF PROJECT: ............................................................................................................................................... 

APP. DURATION OF PROJECT (max. 1 year): ....................................................................................................
NOW THIS AGREEMENT WITNESSETH THAT in consideration of the terms, conditions, and covenants hereinafter set forth, the parties do hereby agree as follows:

1. PURCHASER in signing this Agreement agrees that all digital data, delivered by GEOLOGICAL SURVEY shall be for the internal use of PURCHASER. Data products may be shown but NOT sold, traded, disposed of, transmitted to or otherwise made available to any individual(s), joint-venture(s) or partner company or companies excepting its parent company, any wholly-owned subsidiary, or affiliate. If any outside consultants are engaged to work on this data, they must be made aware of this agreement and requested to initial one copy.

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IN WITNESS WHEREOF, this agreement is executed as of the dates set forth below:

GEOLOGICAL SURVEY OF NAMIBIA

______________________________
(Director)

PURCHASE AGREED TO BY

______________________________
(Purchaser)

______________________________
(Data copied by)

______________________________
(Signed)