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GEOLOGICAL SURVEY

MINISTRY OF MINES AND ENERGY

NAMIBIA

2011
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Communications 1 – 13 CD (still in preparation)

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)


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1.8.2 Special publications of the Ministry of Mines and Energy


N$287.00

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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$103.00

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

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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, 8 maps.
2.2 MINERAL RESOURCE SERIES

MRS 01 Asbestos. G I C Schneider & G Genis, 1992, 2 pp. N$11.00
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EG 006 Interim reports on the Neuras Gold Prospect of the Windhoek Gold Mines (Pty) Ltd, (De Kock, W.P. 1930).

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2.4 GEOPHYSICS

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

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


GPX-12 Geolisiere onderzoek van voorgestelde damterreine op die pleie Nakaais 373 en Schlip 472 in die Rehoboth Gebiet. S Aldrich, June 1978. 7 pp.


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Maps to accompany Report No. GPX 2219 DC - Tu-Tabos 69 pp. N$50.00

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Airborne Magnetic and Radiometric Survey - Grünau and exention areas Namibia. E O Köstlin (CDM Mineral Surveys), August 1984. 31 pp. N$37.00


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).


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


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2.5 GEOPHYSICAL PROJECT REPORTS

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Area 2718, Grunau. 1977. (explanations on reverse side)

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3.3.7 **SCALE 1:50 000**
Colour plots available on request  
(clipped from 100K or 250K digital data according to availability – see above)  
N$230.00

3.3.8 **OTHER SCALES**
Black and white copies  
N$85.00

3.3.8.1 **SCALE 1:125 000**
Geology of the Otavi Mountainland (colour plot)  
N$250.00

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)  
N$100.00

3.3.8.5 **SCALE 1:1 100 000**
Mesoproterozoic Belts of Namibia (colour plot)  
N$120.00

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)

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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) N$2000.00
Image format N$500.00
Spergebiet 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
Image format N$200.00
Mesoproterozoic Belts of Namibia N$1200.00
Image format available only for generalized version N$100.00
Nama Group in Namibia N$1200.00
Image format available only for generalized version 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

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

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)

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

Magnetic and Radiometrics (where available)

1:250 000 scale
N$1000.00

1:2 000 000 scale
N$2000.00
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 Otjiere (C)
- 4.3.1.2.4 Gorob (D)
- 4.3.1.2.5 Hope (E)
- 4.3.1.2.6 Namib Lead (F)
- 4.3.1.2.7 Hohewarte (G)
- 4.3.1.2.8 Otjosondu (H)
- 4.3.1.2.9 Sandamap (I)
- 4.3.1.2.10 Onganja (K)
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)

1814 Etosha West 1914 Kamanjab
1814 AA Oviero 1914 AA Omaramba
1814 AB Amakange 1914 AB Kowarass
1814 AC Ojjuu
1814 AD Onamatanga 2120 Rietfontein
1814 CA Rusplaas 2120 CC Roobult
1814 CB Ohama 2120 CD Okutjove
1814 CC Otjikongoi 2120 DC Talismanis
1814 CD Ojviero
2218 Gobabis
2218 BD Gobabis 2219 CA Makam
2218 DB Dongveld 2219 CB Bonne Esperance
2218 DD Spatzenveld 2219 CC Ditmyne
2219 AC Welkom 2219 CD Semiliki
2219 AD Auheib 2219 DA Suyas
2219 BA Moopiplaas 2219 DB Laura
2219 BB Vergenoeg 2219 DC Tu-Tabos
2219 BC Babi-Babi 2219 DD Protek
2219 BD Somali

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:
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:

5.3.2.3 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:
5.3.2 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
(report/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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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 :
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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.

2. Data obtained, whether in digital format, by scanning of hardcopy maps or any other reproduction processes, are licensed for use by PURCHASER only for the above mentioned project. If the duration of the project exceeds one year special permission must be obtained from the Director, GEOLOGICAL SURVEY.

3. PURCHASER agrees that any derivative maps, interpretation and/or reports made from the original data will be only for internal use of PURCHASER or its affiliates. These second generation products may not, except as detailed under point 4, be sold, traded, disposed of, transmitted to or otherwise made available to third parties who have not purchased the original data from GEOLOGICAL SURVEY.

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

GEOLOGICAL SURVEY OF NAMIBIA

(Director)

(Data copied by)

(Purchased)

(Signed)

(Dated)