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U.S. Department of the Interior
U.S. Geological Survey

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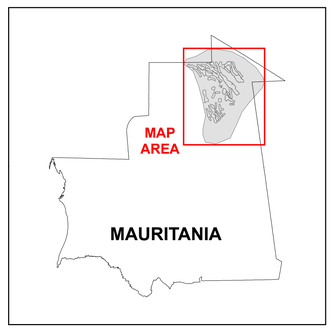
RÉPUBLIQUE ISLAMIQUE DE MAURITANIE

PRISM

Geochemistry of Unconsolidated Materials in the Nord-East Area — Manganese

10°W 9°W 8°W 7°W 6°W

26°N 25°N 24°N 23°N



Explanation

- Nord-east region sub-areas
- Geologic formation contact

Samples with no matching chemistry

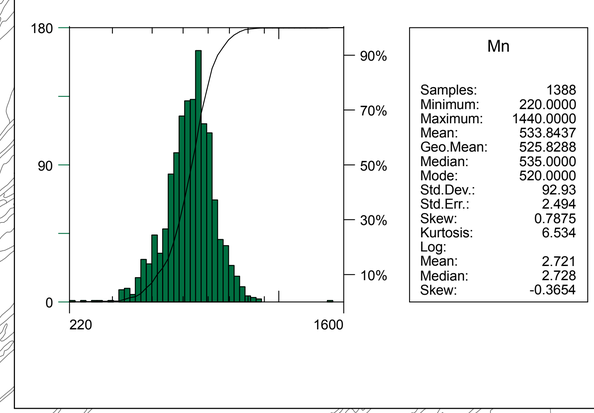
- Sediment (52 samples)
- Regolith (169 samples)

Unconsolidated samples - Manganese

- No Mn analysis (4,639 samples)
- 220 - 360 ppm (<2.5th percentile)
- 365 - 380 ppm (2.5 - 5th percentile)
- 385 - 415 ppm (5 - 10th percentile)
- 420 - 475 ppm (10 - 25th percentile)
- 480 - 590 ppm (25 - 75th percentile)
- 595 - 645 ppm (75 - 90th percentile)
- 650 - 690 ppm (90 - 95th percentile)
- 695 - 730 ppm (95 - 97.5th percentile)
- 735 - 765 ppm (97.5 - 99th percentile)
- 770 - 1,440 ppm (>99th percentile)

Contour map - Manganese

- 220 - 360 ppm (<2.5th percentile)
- 361 - 380 ppm (2.5 - 5th percentile)
- 381 - 415 ppm (5 - 10th percentile)
- 416 - 475 ppm (10 - 25th percentile)
- 476 - 590 ppm (25 - 75th percentile)
- 591 - 645 ppm (75 - 90th percentile)
- 646 - 690 ppm (90 - 95th percentile)
- 691 - 730 ppm (95 - 97.5th percentile)
- 731 - 765 ppm (97.5 - 99th percentile)
- 766 - 1,440 ppm (>99th percentile)



Mn	
Samples:	1388
Minimum:	220.0000
Maximum:	1440.0000
Mean:	533.8437
Geo.Mean:	525.8288
Median:	535.0000
Mode:	520.0000
Std.Dev.:	92.93
Std.Err.:	2.494
Skew:	0.7875
Kurtosis:	6.534
Log:	
Mean:	2.721
Median:	2.728
Skew:	-0.3654

Transverse Mercator projection, WGS 84 Datum
Scale factor 0.9996, Longitude of central meridian 11° W.; latitude of origin 0°

4½° TRUE NORTH GRAPHITE NORTH
APPROXIMATE MEAN DECLINATION, 2007

SCALE 1:500 000
10 0 10 20 30 40 MILES
10 0 10 20 30 40 50 KILOMETERS

This map was produced as part of the "Second Projet de Renforcement Institutionnel du Secteur Minier (PRISM II)" co-financed by the Government of Mauritania and the World Bank (Credit No. IDA-38100 MAU).