USGS science for a changing world

RÉPUBLIQUE ISLAMIQUE DE MAURITANIE

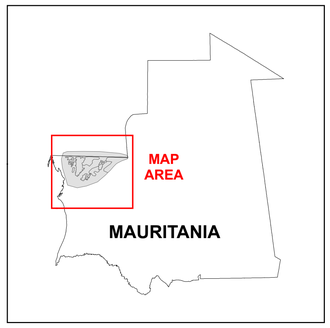
PRISM

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

By Stuart A. Giles and Robert G. Eppinger

2012

Geochemistry of Rocks in the Tasiast-Tijirit Area — Mercury



16°W 15°W 14°W 13°W

22°N 21°N 20°N 19°N

Hg	
Samples:	31
Minimum:	0.0050
Maximum:	0.0100
Mean:	0.0052
Geo.Mean:	0.0051
Median:	0.0050
Mode:	0.0050
Std.Dev.:	0.000898
Std.Err.:	0.0001613
Skew:	5.041
Kurtosis:	24.19
Log:	
Mean:	-2.291
Median:	-2.301
Skew:	5.041

Explanation

- Tasiast-Tijirit region sub-areas
- Geologic formation contact

Samples with no matching chemistry

- Rock (885 samples)

Rock samples - Mercury

- No Hg analysis (1,205 samples)
- 0.005 ppm (<95th percentile)
- 0.01 ppm (>95th percentile)

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

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).