



شركة شلاتين للثروة المعدنية

Shalateen Mineral Resources Co.



**Arab Republic of Egypt
Ministry of Petroleum and Mineral Resources
The Egyptian Mineral Resources Authority
Shalateen Mineral Resources Company**

**Data Package Summary
of
International Bid Round No (1) 2023
for Exploration and Exploitation of
Gold and associated minerals in the areas of
(Fatiri - Umm Ud - Atud - Barramiya - Hamata)
Eastern Desert, Egypt.**

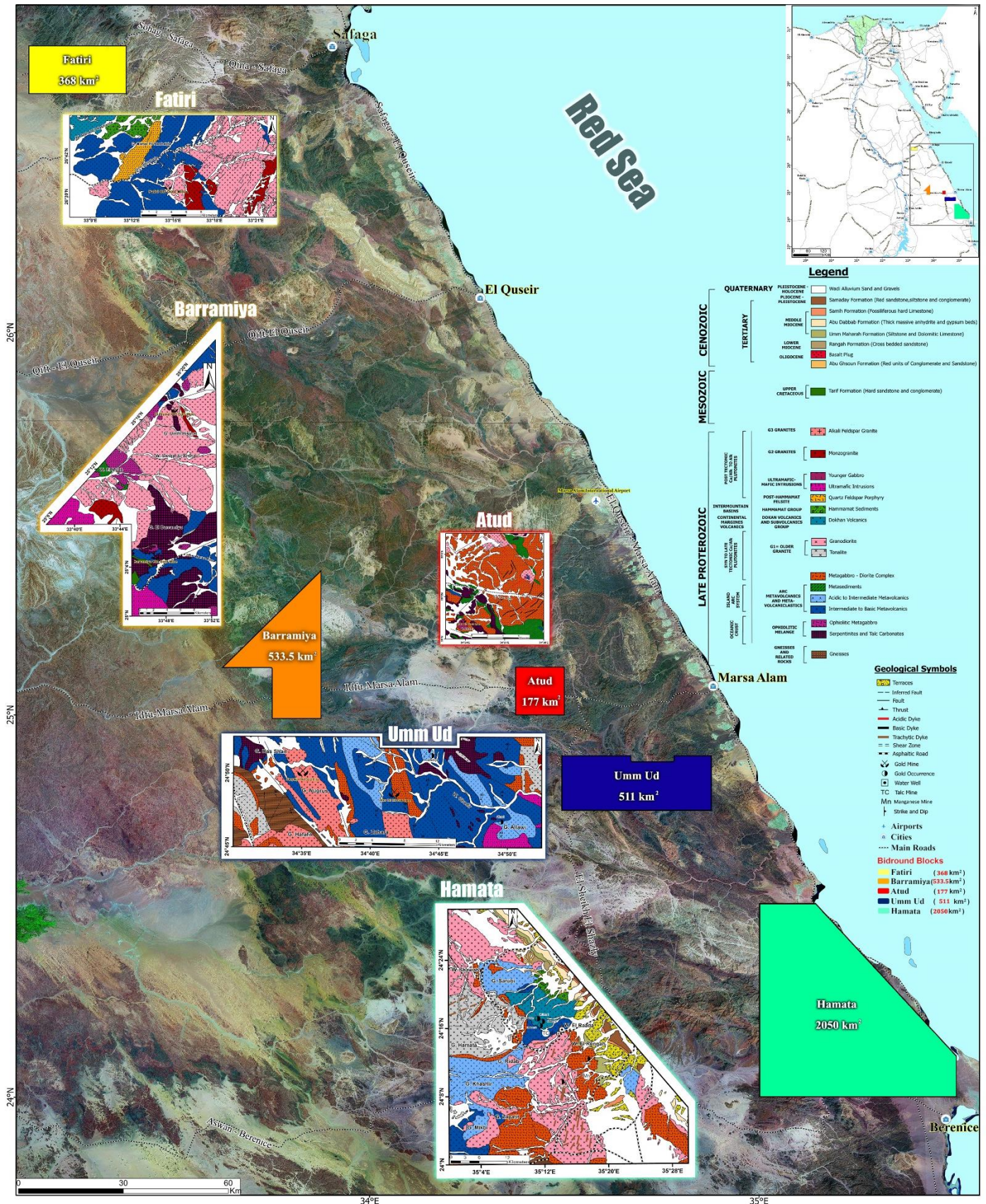
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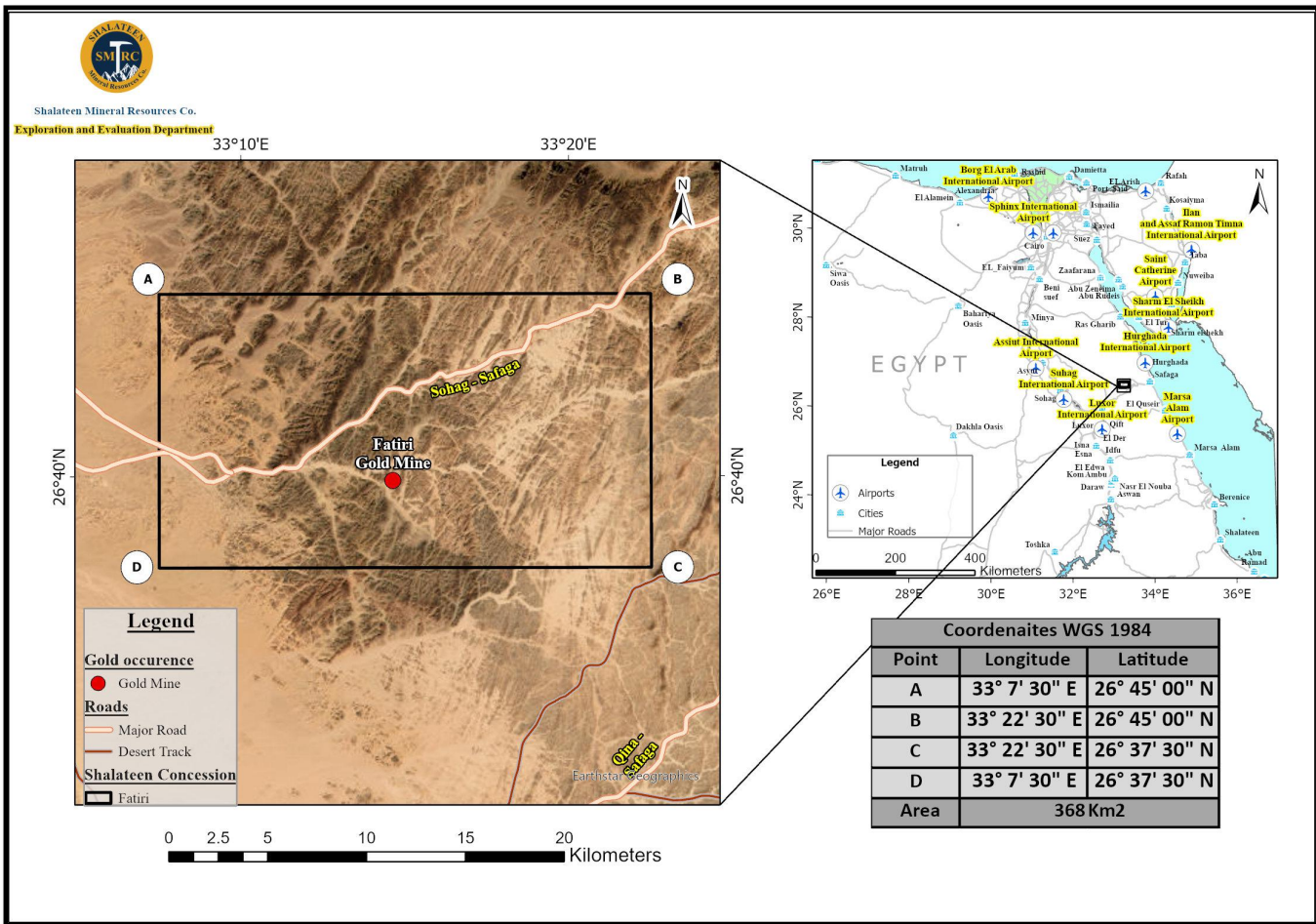
Data package area and price

Id	Block Name	Area	Data package price
1	Fatiri	368 km ²	5000 \$
2	Al Barramiya	481.37 km ²	5000 \$
3	Atud	177 km ²	5000 \$
4	Umm Ud & Hangaliya	511 km ²	5000 \$
5	Hamata	1220 km ²	5000 \$

Bid Round 1/2023 Location Map



Fatiri Gold Block Location Map

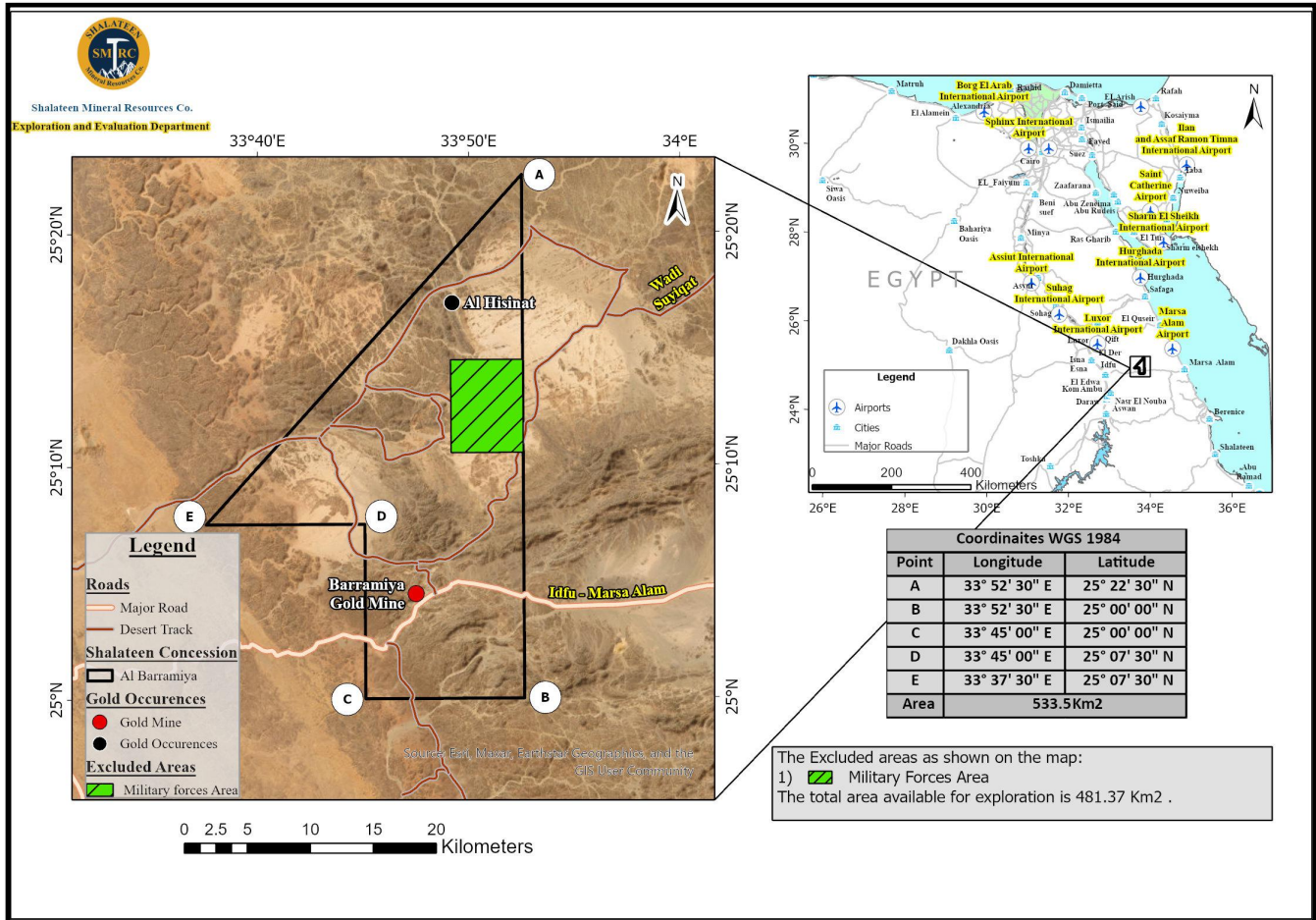


- The area is located 70 km west of the city of Safaga. The area can be reached through the Safaga - Qena asphalt road for a distance of 40 km, and then by using the new asphalt road of Qena - Hurghada for a distance of 30 km.
- The area covers an area of 368 km².
- The concentration of gold in the area ranges from 1.97 to 15.3 g/ton.

Fatiri Gold Block Data Package Items

No.	Report title	Report number
1	Geological and geochemical report of Fatiri gold block compiled by Shalateen co.	SMRC internal report No. 1/2022
2	Geology of Egypt (part iii the minerals of economic value ass. With prec. Ign. Rocks and ancient sed.)	Hume 1937
3	Mineral resources of the UAR report on generalization of geological data on mineral resources of the UAR carried out under contract 1247 in 1966-1968	18/1968
4	Report on the results of the prospecting work for gold in El Sid - Semna area	23/1973
5	Some results of the prospecting of the exploration work carried out in the central eastern desert of Egypt in the period 1970 – 1974	Annals (1976)
6	Results of prospecting for non-ferrous metals, rare-metals and gold in the area of wadis hammad, el atrash, el ghoza and fatira el beida + (3)maps	5 /1978
7	Mineralogy of alluvial and placer deposits of the central eastern desert Egypt	Annals (1980)
8	The gold ore formation in the eastern desert of Egypt	Annals (1984)
9	Reconnaissance of the gold deposits of the eastern desert of Egypt	39/1986
10	An assessment of gold potential of the fatiri, umm rus and barramia areas in the eastern desert Egypt	56/1991
11	New prospects for gold in Egypt	Annals (1993) 19-(47-56pg
12	Genesis of gold mineralization in the north eastern desert Egypt	Annals (1995)
13	Some new occurrences of gold mineralization eastern desert Egypt	Annals (1998)
14	Alexander Nubia data Reports + maps	Alexander Nubia data 2009 – 2011
15	Characteristics and nature of gold-bearing fluids in Fatira area, North Eastern Desert of Egypt possible transition from intrusion related to orogenic deposits	Arab J Geo sci 2020
16	Geological map of qena quadrangle 500k and geological map of Egypt 2 m scales	Maps

Barramiya Gold Block Location Map



- The area is located on both sides of the asphalt road Marsa Alam - Edfu, about 120 km west of Marsa Alam city.
- The area covers an area of 481.37 km².
- Al Barramiya area contains gold in the old Al Barramiya mine, with a gold concentration ranging from 0.9 g to 3.2 g / ton.
- Al-Hussainat area at the north of the region also contains gold concentration ranging from 0.5 g/ton to 5 g/ton.

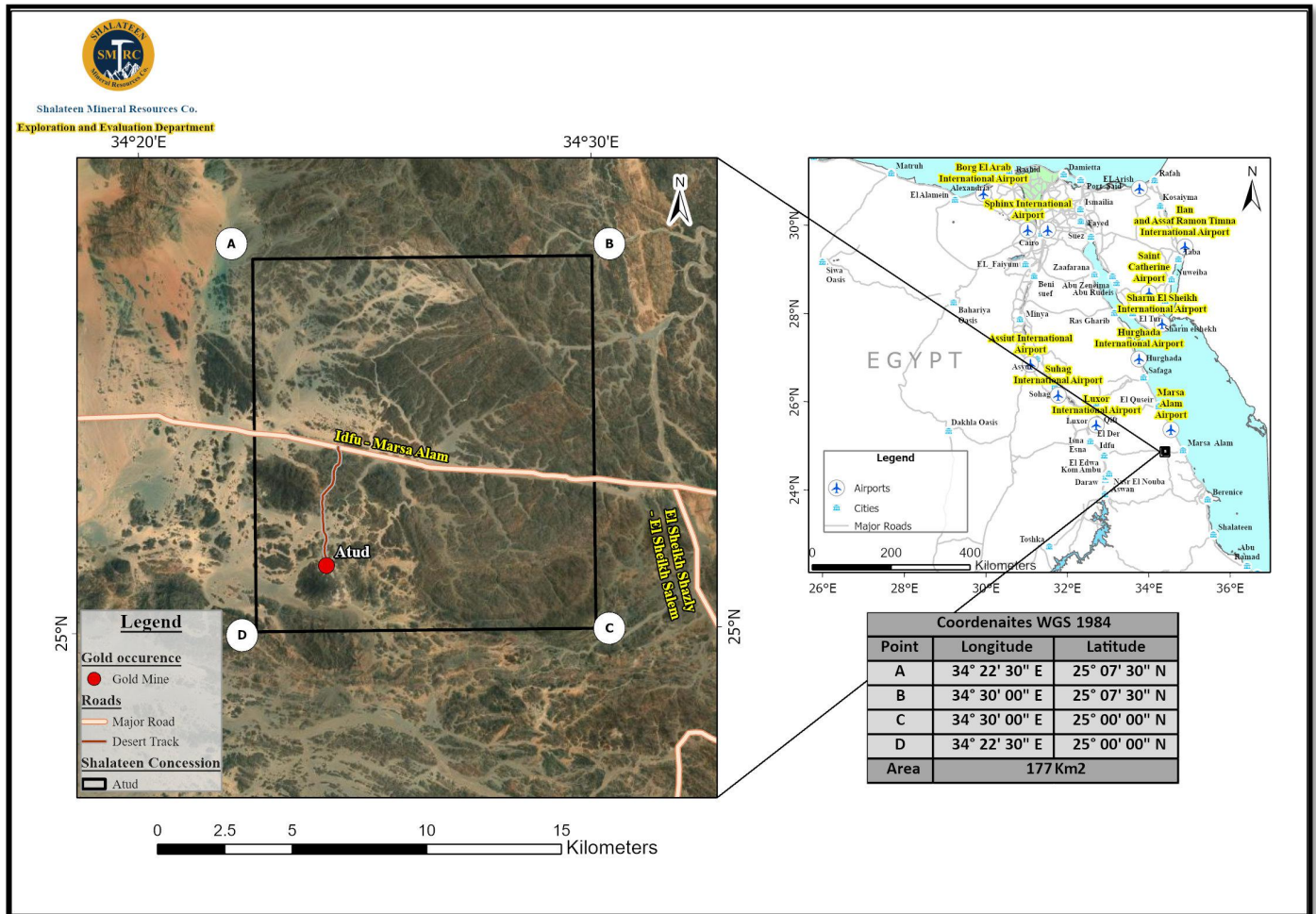
Barramiya Gold Block Data Package Items

No.	Report title	Report number
1	Geological and geochemical report of Barramiya gold block compiled by Shalateen co.	SMRC internal report No. 2/2022
2	(Barramiya) inspection of mining camp	3 /1911
3	inspection report on Barramiya mine	8 /1911
4	Inspection report on Barramiya mine	13 /1912
5	Inspection report on Barramiya mine	13/1913
6	Geophysical investigations for underground water in Wadi Beizah, Barramiya area Eastern Desert	2 / 1963
7	Mineral resources of the UAR report on generalization of geological data on mineral resources of the UAR carried out under contract 1247 in 1966-1968	18/1968
8	The results of prospection work for gold and rare metals by the Barramiya party in the area of Barramiya in 1971 – 1972 + (9)maps	23/1975
9	Review of the promising gold-bearing deposit eastern desert Egypt	83/1976
10	On gold mineralization in the eastern desert of Egypt	Annals 1976
11	Results of prospecting and revisory work for gold at Barramiya, sukkari and umm nar deposits (report of Barramiya party, 1974 - 1975) + (1) map	19/1977
12	Preliminary study on development of gold-bearing deposit at Barramiya	69/1979
13	Concentration of gold tails from Barramiya, eastern desert	55/1980
14	Measurements and results of well logging for Barramiya gold project	8 / 1982
15	Prospecting of el Barramiya gold ores using heap-leach method	48/1982
16	Projects for gold deposits evaluation in eastern desert, Egypt 1983	1983
17	Processing of el-Barramiya gold ores, Egypt, Using heap-leach method	Journal of African Earth Science 1983



18	Review of new innovations in gold technology and of The results of testing some Egyptian ores	Annals 1984
19	The gold ore formations in the eastern desert of Egypt	Annals 1984
20	Gold in Egypt commodity package	1986
21	On the mineralogy and geochemistry of some gold-bearing quartz veins in the central eastern desert of Egypt and their altered wall rocks	Annals 1990
22	Minex reports 3 reports	9 / 1991
23	Recovery of gold from Barramiya tailings	37/1994
24	Geological report of Barramiya area, central eastern desert Egypt + (1)map	5 / 2002
25	تقرير عن اعمال مشروع وضع مواصفات الخامات التعدينية المصرية (تقرير نصف مرحلي اول)	33/2003
26	Listvenite-lode association at the Barramiya gold mine - 2011	Ore Geology Reviews 2011
27	Brief notes on the results of prospecting for gold and associated minerals in the concession area of Minex mineral Egypt	20 / 1992
28	The mode of occurrence of gold-bearing listvenite at el Barramiya gold mine eastern desert, Egypt	Earth Science series 1995
29	Barramiya geological map scales 100, 250k and geological map of Egypt 2 m scale	Maps

Atud Gold Block Location Map



- The area is located on both sides of the asphalt road Marsa Alam - Edfu, about 50 km west of Marsa Alam city.
- The area covers an area of 177 km².
- The concentration of gold in the area ranges from 0.5 to 22 g / ton.



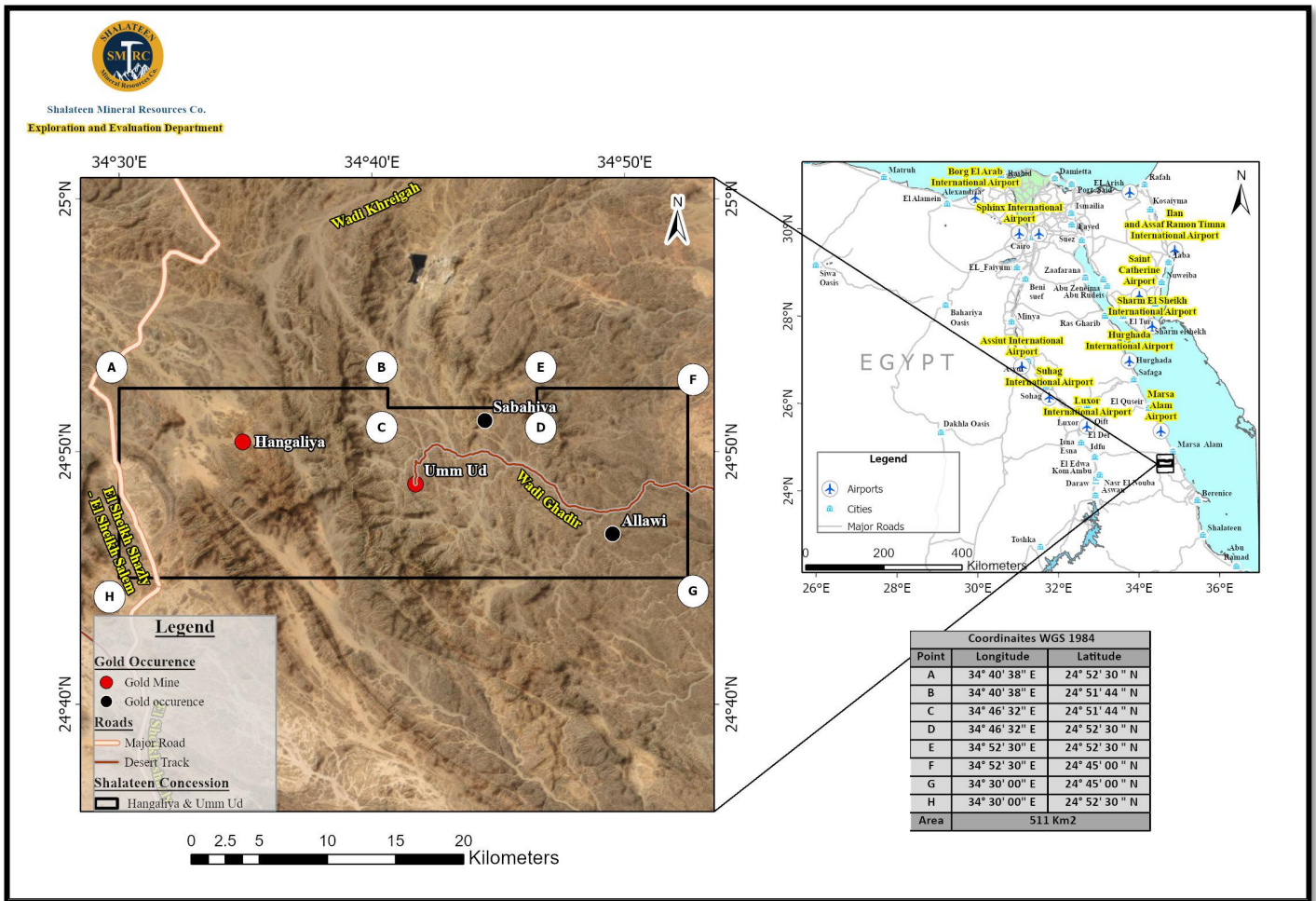
Atud Gold Block Data Package Items

No.	Report title	Report number
1	Geological and geochemical report of Atud gold block compiled by Shalateen co.	SMRC internal report No. 3/2022
2	Geology of atud district	1953
3	Report on Prospecting work Carried out by the mechanical expedition At atud Eastern desert 1953 - 1954	3 / 1953
4	Geology and structure of the area east of gabal atud	1964
5	Mineral resources of the UAR report on generalization of geological data on mineral resources of the UAR carried out under contract 1247 in 1966-1968	18/1968
6	A note on a gold-bearing quartz-wolframite vein at atud eastern desert	1970
7	Results of prospecting for gold and rare metals in the area of atud, sukary, abu rasheid in 1971-1972 + (3)maps	20/1975
8	Review of the promising gold-bearing deposit eastern desert Egypt	83/1976
9	Petrography and geochemistry of some altered granite pebbles from atud area eastern desert	1977
10	The gold ore formations in the Eastern Desert of Egypt	65 / 1981
11	Petrography and geochemistry of gebel atud gabbros south eastern desert Egypt	Annals 1983
12	Projects for gold deposits evaluation in eastern desert, Egypt 1983	1983
13	A comparative study Of gold cyanidation of atud ore	28/1984
14	Report on the photogeological and photodrainage maps of gabal atud area	56/1985
15	Abstract of papers presented at the fifth symposium on precambrian and development (1986)	The Academy of Scientific Research and Technology 1986
16	Cyanidation of atud gold-bearing rocks	2 / 1988



17	On the mineralogy and geochemistry of some gold-bearing quartz veins in the central eastern desert of Egypt and their altered wall rocks	Annals 1990
18	Geology, petrography and tectonic implication of gebel atud gabbros and serpentinites	AI- Azhar Bull. Sci. 1990
19	An appraisal of the gold potential in the sukari and atud areas of the eastern desert, Egypt	55/1991
20	مشروع التقييم الاقتصادي وطرق المعالجة لنفايات الذهب بمناجم مصر القديمة	7 / 1997
21	Wall rock alteration, atud gold mine, eastern desert, Egypt: processes and p- t-xCO ₂ conditions of metasomatism	Journal of African Earth Sciences 1999
22	Fluid inclusions in the mesozonal gold deposit at atud mine	Journal of African Earth Sciences 2002
23	البيانات الوصفية للخامات التعدينية المصرية	71 / 2003
24	Geological maps of umm gheig 100k, wadi el barramiya and wadi shait 250k and geological map of Egypt 2 m scales	Maps

Hangaliya & Umm Ud Gold Block Location Map



- The area is located about 40 km southwest of Marsa Alam city. It can be reached through the asphalt roads of Marsa Alam - Edfu and Sheikh Salem - Sheikh Shazly, then using paved mountain roads.
- The area covers an area of 511 km².

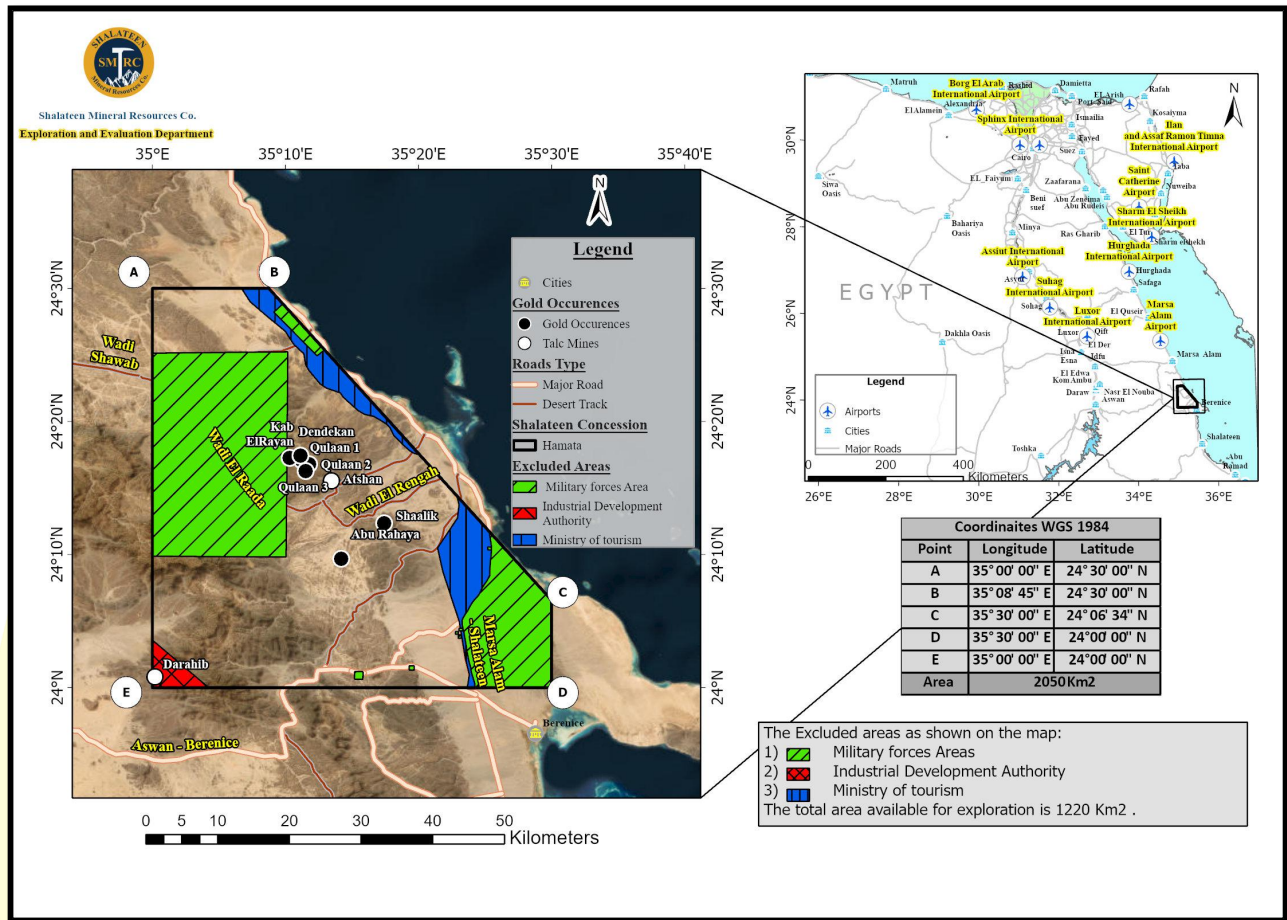
Hangaliya & Umm Ud area contains two gold mines and two gold occurrences, as follow :

Site name	Average Gold concentration g/ton
Umm Ud gold mine	1 - 22
Hangaliya gold mine	0.6 - 14
Sabaheya gold occurrence	1
Allawi gold occurrence	0.4

Umm Ud Gold Block Data Package Items

No.	Report title	Report number
1	Geological and geochemical report of Umm Ud & Hangaliya gold block compiled by Shalateen co.	SMRC internal report No. 4/2022
2	Note on ancient gold mine workings in upper Egypt	3/1925
3	Geology of Egypt (part iii the minerals of economic value ass. With prec. Ign. Rocks and ancient sed.)	Hume 1937
4	Mineral resources of the UAR report on generalization of geological data on mineral resources of the UAR carried out under contract 1247 in 1966-1968 + (5)maps	18/1968
5	Review of the promising gold-bearing deposit eastern desert Egypt	83/1976
6	On gold mineralization in the eastern desert of Egypt	Annals 1976
7	Results of prospecting and prospecting-exploration at the umm Ud gold ore field in the central eastern desert in 1977 to 1978 party 8 b 177 + (11) maps	120/1978
8	Reconnaissance of the gold deposits of the Eastern Desert of Egypt part 1	39/1986
9	Preliminary activity report on prospection and evaluation of Hangaliya gold deposit	65/1987
10	Geology and geochemical prospecting for gold in Sabahia area Central Eastern Desert	21/ 1988
11	Cyanidation of el hangaliya gold bearing rocks	26/1988
12	Distribution of gold among quartz, sulphides and oxides of the Hangaliya gold mine central eastern desert Egypt	Earth science -1989
13	تقرير عن اعمال مشروع وضع مواصفات الخامات التعدينية المصرية (تقرير نصف مرحلي اول)	33/2003
14	An appraisal of the gold potential in the Sukari and Atud areas of the eastern desert. Egypt + (1)map	55/1991
15	Gold mineralization and its alteration zones at the Hangaliya gold mine area, eastern desert, Egypt	Geol- society vol. 12/ 2000
16	Geochemistry of wall rock alterations and radioactive mineralization in the vicinity of Hangaliya auriferous shear zone, eastern desert, Egypt	Egyptian journal of geology Vol. 45- 1a.2001
17	Active Faults and Subsurface Structures in North Marsa Alam Area, As Deduced From Poential and Earthquake Data	50 / 2007
18	Geological and geochemical exploration of gold at umm ud, leweiwi, allawi and wadi el-homer areas, south eastern desert, Egypt Expedition no. G2 / 2014	35/2016
19	Gabal hamata 250k + geological map of Egypt 2 m scales	Maps

Hamata Gold Block Location Map



- The area is located on the Red Sea coast in the south of the Eastern Desert, about 50 km long, north of the village of Berenice. It can be reached through several valleys, Wadi Al Ringa, Wadi Abu Ghosun, and Wadi Al Ra'dah.
- The area covers an area of 1220 km².
- Hamata area contains (6) gold occurrences , as follows:

Site name	Average Gold concentration (g/ton)
Dendekan	0.6 – 3.6
Sha'alik	1.6 – 6.3
Abu Rahaya	1.8 – 20
Wadi Al Homr	0.1 - 9
Kab Al Rayan	1.9 - 7.8
Qulaan	8.06

Hamata Gold Block Data Package Items

No.	Report title	Report number
1	Geological and geochemical report of Hamata gold block compiled by Shalateen co.	SMRC internal report No. 5/2022
2	Report on the prospecting work carried out in wadi hamata area- south eastern desert (1953-1954)	Report on the prospecting work carried out in wadi hamata area- south eastern desert (1953-1954)
3	Detailed report on the work carried out by hamata expedition 1955	2 / 1955
4	Geology and geochemical exploration Of F. Soliman R. Fakhry Hamata area	86/1978
5	Results of Geochemical exploration on Hamata area Hamata party 7/79	63/1981
6	A contribution to the geochemistry of volcanites and associated mineralization in hamata talc mine Eastern desert	Journal of african earth sciences (and the middle east) (volume 7 number 1,1988)
7	Some petrochemical features of the gabbroic rocks of hamata area eastern desert	Mansoura science bulletin vol.16 (1).(1989)
8	Petrographical and petrochemical characteristics of some dykes in the hamata area southeastern desert Egypt	المجلة العلمية لكلية العلوم - جامعة أسيوط مجلد 18-1989 العدد 1
9	Mineralogy and origin of the precambrian massive sulphide deposit atshan area Egypt	First conference on geochemistry march, 1-2, 1989.
10	Prognostic criteria of copper mineralization in the southeastern desert, Egypt	Annals (1986-1990)
11	Geology of sheikh shadli-hamata district,Southeastern desert, Egypt	36/1994
12	Metavolcanic and older granites of the central eastern desert of Egypt are cogenetic island arc regime: mineralogical and geochemical evidences	Geochemistry of igneous rocks and geochemistry exploration volume i, third conference on geochemistry (3-4 september 1997).
13	Final report on Geological and geochemical studies of Some occurrences of gossan in South eastern desert	16/1997
14	A comparative study on petrology and geochemistry of some mafic-ultramafic intrusions in the eastern desert and Sinai, Egypt	/ (2000)

15	Geological and geophysical prospection for Mineral deposits in the area of " qulan al-atshan "ar-radah", and "el-homer", eastern desert, Egypt	4 / 2002
16	تقرير عن اعمال مشروع وضع مواصفات الخامات التعدينية المصرية (تقرير نصف مرحلي اول)	33/2003
17	Mapping potential area for gold and base metals mineralization in the southeastern desert Egypt: an approach by using remote sensing and GIS	The egyptian journal of remote sensing and space sciences issn 1110-9823 volume vi, 2003
18	Report on Detailed geological and geochemical exploration At berenice area (abu rahaya, sha'alik, qulan and kabb Ar-ray an) gold occurrences, south eastern desert,Egypt	70/2005
19	Geological and geochemical studies of gneissose-granite and granitic rocks From abu ghalaga area, south eastern desert, Egypt	The geological society of egypt –egyptian journal of geology vol.52(2008)
20	The application of integrated geophysical methods to delineating probable areas of metallic mineralization at an area at the south of marsa alam city, south eastern desert, Egypt, report of expedition g 8/2011	54 /2012
21	Geological and geophysical prospecting for mineral deposits at hamata area southeastern desert	27/2014
22	Geological and geochemical exploration of gold and associated minerals, at gabal sarubi and surroundig areas, south eastern desert, Egypt expedition no. g7/2016	29 / 2017
23	Geological and geochemical exploration of gold and associated minerals at wadi dendekan area, south eastern desert, Egypt work group no.g. 8/2017.	4 / 2019
24	Geological and geophysical prospection for mineral deposits north wadi dendikan, hamata episode ii, south eastern desert, Egypt final report of expedition g7-2014	24 - 2020
25	Geophysical Report of Expedition No. G2/2018 Acquisition and Processing of the Ground Magnetic and Gravity Geophysical Survey over Hamata Quadrangle, South Eastern Desert, Egypt.	8 / 2020
26	Gabal hamata geological map scale 250k and geological map of Egypt 2 m scales	Maps