

## Article

# Lithostratigraphy, Origin, and Geodynamic Setting of Iron Formations and Host Rocks of the Anyouzok Region, Congo Craton, Southwestern Cameroon

Table S1. Anyouzok iron ore deposit drillhole details.

Hole ID	Easting	Northing	Elevation	End of Hole	Azimuth	Dip angle
TH9	657,797	323,609	545	83	180	−50
TH31	657,607	324,482	350	81	135	−50
TD35	657,828	323,809	575	281	180	−55
TD37	657,809	323,698	556	179	180	−55
TD46	658,098	323,893	573	306	180	−55
TD47	658,400	324,101	602	329	180	−55
TD60	657,794	324,605	385	110	140	−70
TE4	660,816	317,370	686	245	60	−50
TE5	660,775	317,343	687	182	60	−50
TE6	660,705	317,321	686	300	60	−50
TE9	660,651	317,460	680	220	55	−50
TE22	660,886	317,253	679	139	70	−50
TD65	657,564	323,327	467	111	140	−70

Table S2. Anyouzok iron ore deposit logging details.

Northern prospect					
Drillhole	From	To (m)	Interval (m)	Rock type	Contact
TH9	0	3	3	Lateritic cover	Gradational
TH9	3	16.4	13.4	Hematite cap	Gradational
TH9	16.4	83	66.6	SBIF	EOH
TD37	0	3.3	3.3	Lateritic cover	Gradational
TD37	3.3	15	11.7	Hematite cap	Gradational
TD37	15	97.83	82.83	SBIF	Sharp
TD37	97.83	106.9	9.07	Biotite gneiss	Sharp
TD37	106.9	143.41	36.51	SBIF	Sharp
TD37	143.41	179	35.59	Mafic granulite	EOH
TD35	0	4	4	Lateritic cover	Gradational
TD35	4	23.4	19.4	Hematite cap	Gradational
TD35	23.4	107.08	83.68	SBIF	Sharp
TD35	107.08	114.2	7.12	Garnet amphibolite	Sharp
TD35	114.2	120.74	6.54	SBIF	Sharp
TD35	120.74	133.4	12.66	Mafic granulite	Sharp
TD35	133.4	220.2	86.8	Biotite gneiss	Sharp
TD35	220.2	281	60.8	Mafic granulite	EOH
TD46	0	5.44	5.44	Lateritic cover	Gradational
TD46	5.44	21.44	16	Hematite cap	Gradational
TD46	21.44	84.9	63.46	Biotite gneiss	Sharp
TD46	84.9	96.4	11.5	Mafic granulite	Sharp
TD46	96.4	102.4	6	SBIF	Sharp
TD46	102.4	110	7.6	Mafic granulite	Sharp
TD46	110	118	8	SBIF	Sharp
TD46	118	126.9	8.9	Mafic granulite	Sharp
TD46	126.9	154.3	27.4	SBIF	Sharp
TD46	154.3	186	31.7	Mafic granulite	Sharp

TD46	186	216	30	SBIF	Gradational
TD46	216	240	24	Garnet amphibolite	Sharp
TD46	240	306	66	Mafic granulite	EOH
TH31	0	3.6	3.6	Lateritic cover	Gradational
TH31	3.6	17.9	14.3	Garnet amphibolite	Gradational
TH31	17.9	31.9	14	SBIF	Sharp
TH31	31.9	49.9	18	Mafic granulite	Sharp
TH31	49.9	62.88	12.98	Garnet amphibolite	Sharp
TH31	62.88	81	18.12	Mafic granulite	EOH
TD47	0	25.4	25.4	Lateritic cover	Gradational
TD47	25.4	55.9	30.5	Garnet amphibolite	Gradational
TD47	55.9	70.2	14.3	SBIF	Gradational
TD47	70.2	82.9	12.7	Garnet amphibolite	Gradational
TD47	82.9	184.9	102	SBIF	Sharp
TD47	184.9	189.1	4.2	Biotite gneiss	Sharp
TD47	189.1	195.1	6	Garnet amphibolite	Sharp
TD47	195.1	197	1.9	Biotite gneiss	Sharp
TD47	197	204.7	7.7	Garnet amphibolite	Sharp
TD47	204.7	212.1	7.4	Biotite gneiss	Sharp
TD47	212.1	214.6	2.5	Mafic granulite	Sharp
TD47	214.6	242	27.4	Biotite gneiss	Gradational
TD47	242	273	31	SBIF	Sharp
TD47	273	315.9	42.9	Biotite gneiss	Sharp
TD47	315.9	329	13.1	Garnet amphibolite	EOH
TD60	0	12.6	12.6	Lateritic cover	Gradational
TD60	12.6	16.9	4.3	Biotite gneiss	Sharp
TD60	16.9	40	23.1	Mafic granulite	Sharp
TD60	40	67	27	Garnet amphibolite	Gradational
TD60	67	72.2	5.2	SBIF	Sharp
TD60	72.2	79.3	7.1	Garnet amphibolite	Sharp
TD60	79.3	84.4	5.1	SBIF	Gradational
TD60	84.4	110	25.6	Garnet amphibolite	EOH
TD65	0	1.3	1.3	Lateritic cover	Gradational
TD65	1.3	8.7	7.4	Hematite cap	Gradational
TD65	8.7	22.06	13.36	Mafic granulite	Gradational
TD65	22.06	56.55	34.49	SBIF	Sharp
TD65	56.55	111	54.45	Mafic granulite	EOH
<b>Southern prospect</b>					
TE6	0	11	11	Lateritic cover	Gradational
TE6	11	91.3	80.3	Biotite gneiss	Gradational
TE6	91.3	95.9	4.6	Mafic granulite	Gradational
TE6	95.9	125	29.1	Biotite gneiss	Sharp
TE6	125	153.8	28.8	Garnet amphibolite	Sharp
TE6	153.8	192.8	39	SBIF	Sharp
TE6	192.8	218.3	25.5	Mafic granulite	Gradational
TE6	218.3	246.9	28.6	SBIF	Gradational
TE6	246.9	300	53.1	Biotite gneiss	EOH
TE5	0	6.56	6.56	Lateritic cover	Gradational
TE5	6.56	88.93	82.37	Biotite gneiss	Gradational
TE5	88.93	123.25	34.32	SBIF	Sharp
TE5	123.25	155	31.75	Mafic granulite	Sharp
TE5	155	168.4	13.4	SBIF	Sharp
TE5	168.4	182	13.6	Biotite gneiss	EOH
TE4	0	8.5	8.5	Lateritic cover	Gradational
TE4	8.5	44.65	36.15	Biotite gneiss	Sharp
TE4	44.65	81.35	36.7	SBIF	Sharp
TE4	81.35	106.25	24.9	Mafic granulite	Sharp

TE4	106.25	115.55	9.3	SBIF	Sharp
TE4	115.55	245	129.45	Biotite gneiss	EOH
TE9	0	11.65	11.65	Lateritic cover	Gradational
TE9	11.65	80.7	69.05	Biotite gneiss	Gradational
TE9	80.7	93.7	13	Garnet amphibolite	Gradational
TE9	93.7	119.5	25.8	SBIF	Gradational
TE9	119.5	134.75	15.25	Garnet amphibolite	Gradational
TE9	134.75	141	6.25	Mafic granulite	Gradational
TE9	141	186.4	45.4	SBIF	Sharp
TE9	186.4	220	33.6	Biotite gneiss	EOH
TE22	0	19.4	19.4	Lateritic cover	Gradational
TE22	19.4	21.6	2.2	SBIF	Sharp
TE22	21.6	33.4	11.8	Mafic granulite	Sharp
TE22	33.4	37.3	3.9	SBIF	Sharp
TE22	37.3	42	4.7	Mafic granulite	Sharp
TE22	42	45.5	3.5	SBIF	Sharp
TE22	45.5	46.5	1	Mafic granulite	Gradational
TE22	46.5	48	1.5	BIF	Gradational
TE22	48	50.5	2.5	Mafic granulite	Sharp
TE22	50.5	133.5	83	SBIF	Sharp
TE22	133.5	137.6	4.1	Mafic granulite	Sharp
TE22	137.6	139	1.4	Biotite gneiss	EOH