

Afmeco Mining and Exploration, Western Arnhem Land, NT, Australia
2002 Diamond Drilling Summary

Tenem. Hole ID	G. coord. X y z	Date: started finished	Core size	depth/ strike(M)/ dip	unconf x y z	downh logging tool(s)	PIMA XRD Analy. min's.	Geological summary	Ra max cps/m Tot. GT (cutoff 1‰) from/to
EL 2516 EMA01	302790 8621416 40	14/6/02 18/6/02	HQ 29.9 NQ2	0/15/-60 50/19.5/-59½ 101/19/-58 152/20/-57½	n/a	A-75		0-159.8m, ?Lower Cahill Formation/?Mt Howship Gneiss 0-5.5m, lateritic clay 5.5-26.1m, weathered gneiss and lateritic clays 26.1-38.0m, banded biotite gneiss and garnetiferous amphibolite 38.0-39.5m, pyritic garnet-biotite gneiss, amphibolitic, coarse garnet in part 39.5-41.5m, garnet-actinolite gneiss (calc-silicate), abundant pyrrhotite as veins and disseminations, minor pyrite 41.5-42.4m, amphibolitic garnet-biotite schist, some pyrite, ?graphitic 42.4-44.5m, quartzite, pink/orange, ?recrystallised carbonate 44.5-46.0m, garnet-actinolite gneiss (calc-silicate), abundant pyrrhotite and pyrite, possibly some magnetite 46.0-47.3m, sheared garnet-biotite gneiss/schist, minor pyrite, ?graphitic 47.3-49.0m, garnet-biotite-actinolite schist (calc-silicate), patchy pyrite and pyrrhotite 49.0-51.5m, sequence of quartzite, meta arkose and garnet-actinolite-biotite gneiss (calc-silicate), minor sulphides 51.5-54.1m, garnet-biotite amphibolite (calc-silicate), few sulphides 54.1-56.8m, amphibolitic biotite-garnet gneiss, quartzitic in part, minor py 56.8-58.7m, sulphidic garnet-biotite quartzite – "lode", abundant pyrite, pyrrhotite and ?magnetite as disseminations, veins and masses 58.7-59.8m, garnet-biotite schist, ?graphitic, few sulphides 59.8-61.3m, micaceous quartzite, pyrrhotite-rich in part, min py in veins 61.3-62.4m, sulphidic quartzite, garnet-biotite schist and graphite bands 62.4-66.7m, banded sulphidic chlorite-biotite gneiss, abundant pyrite and pyrrhotite, minor chalcopyrite, at 66.0m 40cm wide coarse sulphide ?vein 66.7-68.3m, garnetiferous amphibolite (calc silicate) 68.3-114.3m, sequence of garnet-biotite gneiss, with amphibolite bands 114.3-141.8m, banded biotite gneiss/meta arkose 141.8-147.2m, garnet-biotite gneiss with garnetiferous amphibolite bands, minor graphitic bands, some disseminated pyrite 147.2-159.8m, garnet-biotite schist, minor staurolite porphyroblasts	135c/s at 119.2m
EL 2505 NEM01	322675 8623438 128	21/6/02 29/6/02	HQ 3.0 NQ2 210.3 BQ	0/340/-80 50/346/-80 102/352/-80 153/343/-80	263.8	A-75		0-263.8m, Mamadawerre sandstone, Kombolgie subgroup 0-51.0m, fine/medium silicified, bleached sandstone, fractured in part 51.0-89.5m, strongly silicified fine/medium sandstone, wk hematite 89.5-118.3m, hematitic, silicified fine/medium sandstone, some bleaching 118.3-151.0m, strongly silicified fine/medium sandstone, weakly hematitic 151.0-169.0m, as above, with drusy quartz veins, some brecciation	Not anomalous

Table 2: Geological summaries

Els 2505 & 2516

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NEM01 Contd								<p>169.0-174.2m, fine/coarse sandstone, silicified/hematitic 174.2-192.3m, strongly silicified, hematitic fine/medium sandstone 192.3-200.7m, strongly broken fine/coarse sandstone, bleached 200.7-204.7m, bleached, silicified pebbly sandstone 204.7-212.0m, strongly broken silicified and bleached fine sandstone 212.0-220.0m, silicified medium sandstone, wk hematite, drusy qtz veins 220.0-228.1m, silicified, brecciated pebbly sandstone, chloritic in part 228.1-243.6m, chloritic brecciated pebbly sandstone, minor dolomite veins 243.6-246.5m, chloritic pebbly sandstone, some brecciation 246.5-257.1m, silicified, hematitic/chloritic pebbly sandstone 257.1-263.8m, chloritic, silicified coarse sandstone, few pebbles</p> <p>263.8m, Unconformity</p> <p>263.8-301.1m, ?Lower Arkosic unit, Lower Cahill Formation 263.8-271.2m, chlorite/clay altered meta arkose 271.2-275.0m, strongly hematitic/chloritic amphibolite 275.0-282.1m, altered meta arkose and hematitic/illitic amphibolite 282.1-301.1m, altered meta arkose and mica schist, few amphibolite bands</p>	

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