

005108

1987 06 08

MEMORANDUM

TO: Gregg Jilson
Kevin Atherton ✓

FROM: Lee Pigage

SUBJECT: Grum 8606 (=G2) Drill Hole Collar Coordinates

Coordinate conversion equations from the UTM grid to 8606 (=G2) grid were derived by J. Marlon-Lambert and incorporated into program DH202. This program was used for all Grum drill holes to download the drill hole data from DDHDB to MINTEC 8606 mine model.

In deriving the conversion equations J.M-L inadvertently made an arithmetic error. Consequently all Grum drill hole collar locations in the 8606 model are slightly in error. The following spread sheet indicates the extent of the error.

All drill holes in the Grum 8606 model are displaced 2 metres from their proper location. This displacement is in the general east direction (true compass direction). The spreadsheet also indicates the correction that should be made to the drill hole collar coordinates during the conversion to the 8705 model.

Lee Pigage

DRILL HOLE COLLAR COORDINATE COMPARISON
GRUM 8606 (=62) COORDINATES

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DATA "A"
J. MARLON-LAMBERT (1982)

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DATA "B"
L. PIGAGE (1984)

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THETA = -42.225833
No = 6902768.58
Eo = 580968.94
SH = 0.99950853

THETA = -42.225833
No = 6902768.47
Eo = 580970.89
SH = 0.99950853

DRILL HOLE NAME	UTM COORDINATES DATA "A"		GRUM 8606 COORDINATES DATA "A"		GRUM 8606 COORDINATES DATA "B"		DIFFERENCES IN 8606 ("B" - "A")		DISTANCE
	NORTHING	EASTING	NORTHING	EASTING	NORTHING	EASTING	NORTHING	EASTING	
FAGA017	6904691.10	592269.00	9022.32	7079.15	9021.09	7077.64	-1.23	-1.52	1.95
FAGA018	6905312.80	591855.90	9205.15	6355.08	9203.92	6353.56	-1.23	-1.52	1.95
FAGA031	6904617.20	592533.00	9145.08	7324.43	9143.85	7322.91	-1.23	-1.52	1.95
FAGA041	6904887.50	591961.50	8961.07	6719.28	8959.84	6717.76	-1.23	-1.52	1.95
FAGA053	6905019.20	592243.30	9248.12	6839.50	9246.89	6837.99	-1.23	-1.52	1.95
FAGA061	6905274.80	591988.30	9266.02	6478.72	9264.80	6477.20	-1.23	-1.52	1.95
FAGA100	6905000.00	592473.40	9388.61	7022.89	9387.38	7021.37	-1.23	-1.52	1.95
FAGA116	6904961.00	592599.30	9444.37	7142.39	9443.14	7140.87	-1.23	-1.52	1.95
FAGA119	6904659.60	592573.50	9203.72	7325.93	9202.49	7324.41	-1.23	-1.52	1.95
FAGA126	6905185.50	591905.80	9144.39	6477.64	9143.16	6476.13	-1.23	-1.52	1.95
FAGA131	6904704.60	592614.70	9264.77	7326.19	9263.54	7324.68	-1.23	-1.52	1.95
FAGA137	6904898.90	592628.00	9417.66	7205.40	9416.43	7203.88	-1.23	-1.52	1.95