Non Statutory - Updated Monthly

173 000 N National Grid Metres

172 800 N

172 600 N

172 400 N

172 200 N

172 000 N

171 800 N

171 600 N

171 400 N

171 200 N

222 200 E

222 400 E

222 600 E

222 800 E

223 000 E

223 200 E

223 400 E

223 600 E

223 800 E

224 000 E

224 200 E

224 400 E

224 600 E

224 800 E

225 000 E

K2

K

K23

CW

CWS

GNE

GE

G

R

Portal

N

SCALE BAR

20 0 100 200 Metres

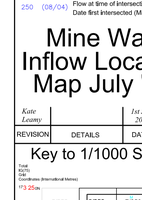
lundin mining

GALMOY MINES

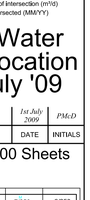
Galmoy Mine Site
Via Thurles
County Kilkenny
Ireland

Survey Data

North Data



Shaft Data



North Points

At Galmoy, Magnetic North is 05° 03' West of Irish Grid (IG75) North in 2009. Annual decrease is 09.7'.
True North or Convergence of the Meridian is Approximately 0° 19' 44.1" West of IG(75) North at Galmoy Mine.

IG(75) ITM and MAGNETIC BEARINGS
IG(75) and ITM Graticules are parallel.
To convert IG(75) Bearings to Magnetic ADD 5.4° (2009)
To convert Magnetic Bearings to IG(75) SUBTRACT 5.4° (2009)

Elevations

All elevations are in metres Above Mine Datum (AMD).
Mine Datum is 1000 metres Below Ordnance Datum Poolbeg.
The old Poolbeg Datum is 2,670 metres BELOW Ordnance Datum Malin (ODM) in the Galmoy area.

Coordinates and Distances

All Coordinates are in Metres and refer to the IG(75) Total Coordinates.
Local Scale Factor (at Stn A1) is 1.000 044 5
Ground Distance = Grid Distance / Local Scale Factor

Legend

- First Aid Facilities/Fire Extinguishers
- Emergency Egress Routes
- Refuges and Defibrillator Locations
- Telephone (Location and Number) — Crusher Cabin Tel.193
- Ventilation Brattice with Door/Access
- Development Profiles (floor +-1.2m)
- Development measured but not Surveyed
- Development measure dates (e) estimated
- Surface Shafts (Vertical)
- Raises (Top/Bottom/Vertical)
- Bench / Brow Line (Text to lowest side)
- Backfill Barricades Provisional/Measured
- Backfill Areas >=50% full / <50% full — 32%
- Orebody Name / Drive Names — K R1a
- Planned Development (where they HEAVE from)
- KCC Planning Cotroled Zone
- Planning / Mining Licence Boundaries
- Planned Pillar Positions
- Statutory Cautionary Zones
- Stope Names and Boundaries
- FW Survey Pegs / HW Survey Pegs
- Floor/Back Spot Height (F/W H/W)
- Line Pegs (Surveyed/Unsurveyed)
- Revision Pegs
- Major Fissures and Faults
- Surface Borehole Intersections (Non GPS)
- Vertical/Non Vertical GPS Intersections
- Transformer (6000v x 600v) / MPO Boxes
- Leaky Feeder Cable (Radio Reception)
- Portable and Fixed Pumps (Power [kw] Capacity [l/s])
- RE 6 South — Watermake Location Name
- 250 (08/04) — Flow at time of Intersection (m³/d) / Date first intersected (MM/YY)

Mine Water Inflow Location Map July '09

REVISION	DETAILS	DATE	INITIALS
Kate Leamy		1st July 2009	PMcD

Key to 1/1000 Sheets

Each Survey Sheet covers an area of 1000m x 750m corresponding to an area of 75ha.
Each A0 Mine Plan Plotter to the Scale of 1:1000 has Grid Intersections Marked at 250m.

To Date to 1st July 2009

Scale at A0 as Scalebar

Sheets '7../.250, '8../.250, '6../.175, '7../.175, '8../.175, '7../.100.