

# Lisheen - Anglo American



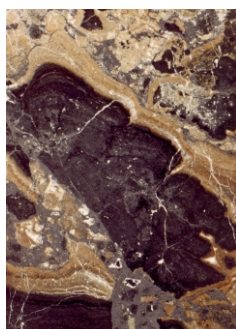
The carbonate-hosted zinc-lead deposit at Lisheen, Co. Tipperary, was discovered in 1990 as a result of geological modeling and shallow soil geochemistry, including the use of historic exploration data. Mineralization occurs as massive stratiform (flat lying) sulphide lenses at the base of dolomitized Waulsortian (Lower Carboniferous) "Reef" micrites (lime mud limestones) in the northern hanging wall of the ENE trending Killoran Fault Zone. Production at the underground mine commenced in September 1999. In September 2003 the operator and 50% owner, **Anglo American**, purchased the other 50% from its junior partner Ivernia West. During 2007, the mine produced 1.51Mt of ore grading 12.01% Zn and 1.91% Pb. This ore yielded 174,435t of zinc and 20,190t of lead in concentrate. Total production (1999-2007) is 11.08Mt grading 11.82% Zn and 2.16% Pb. Reserves at end December 2007 were 9.68Mt grading 11.94% Zn and 1.88% Pb, with additional resources of 2.03Mt at 13.73% Zn and 2.35% Pb.

## References:

- Fusciardi, L.P., Guven, J.F., Stewart, D.R.A., Carboni, V. and Walsh, J.J. The Geology and Genesis of the Lisheen Zn-Pb deposit, Co. Tipperary, Ireland. In: Kelly, J.G., Andrew, C.J., Ashton, J.U., Boland, M.B., Earls, G., Fusciardi, L. & Stanley, G. 2003. *Europe's Major Base Metal Deposits*. Irish Assoc. Econ. Geol., Dublin 455-481
- Hitzman, M.W., O'Connor, P., Shearley, E., Schaffalitzky, C., Beaty, D.W., Allan, J.R. and Thompson, T. Discovery and geology of the Lisheen Zn-Pb-Ag prospect, Rathdowney Trend, Ireland. In: Bowden, A.A., Earls, G., O'Connor, P.G. and Pyne, J.F., 1992. *The Irish Mineral Industry 1980 - 1990* Irish Assoc. Econ. Geol., Dublin, 227-246
- The Anglo American (Lisheen) website (<http://www.lisheenmine.ie>)



Drilling rig  
at Lisheen



Thin section  
of the Lisheen ore



Surface view