

# Characteristics of Copper Deposits

Characteristic	Porphyry Copper	Sediment Hosted	VMS
<b>Tonnage (MT)</b>	100-1000+	10-100+	2-20+
<b>Copper Grade (%)</b>	0.20-1.5	0.5 – 3.0+	1.0-2.5
<b>Other commodities</b>	Au, Ag, Mo	Ag, Co	Au, Ag, Zn, Pb
<b>Deposit shape</b>	Oval, pipelike	Sheetlike or tabular	Lens-like, funnel and tabular
<b>Deposit Dimensions (metres)</b>	100's-1000's m in all dimensions	100's-1000's m long and wide, 3-50 thick	100-500 m long and wide 2-20 m thick
<b>Notable Drill Intersections</b>	50+ metres of 0.20% Cu and 0.25 g/t Au or more	Metres to tens of metres with 0.5% Cu or more	Several metres with combined Cu, Zn, Pb of 4-10% +/- Au, Ag

Source: USGS, 2021 and Mineral Exploration and Mining Essentials, 2010