





Overhead 3.1.4 **Factors in Mining Method Selection** Spatial characteristics of deposit ⇒ size, shape, attitude, depth Geologic, hydrologic conditions nineralogy, chemical composition, structure, planes of weakness, uniformity, alteration, weathering, groundwater **Geotechnical properties** elastic properties, plastic or viscoelastic behavior, stress, consolidation, compaction, competence, other physical properties **Economic considerations** reserves, production rate, mine life, cost comparison **Technological factors** ⇒ mine recovery, dilution, flexibility, selectivity, concentration or dispersion of workings, capital, labor, mechanization intensity **Environmental concerns** ⇒ ground control, subsidence, atmospheric control, work force