Record Nr. UNINA9910807135503321 Autore Rendu J.-M Titolo An introduction to cut-off grade estimation [[electronic resource] /] / by Jean-Michel Rendu Pubbl/distr/stampa Littleton, Colo., : Society for Mining, Metallurgy, and Exploration, 2008 **ISBN** 1-61344-066-9 0-87335-284-X Edizione [1st ed.] Descrizione fisica 1 online resource (115 p.) Disciplina 622/.7 Soggetti Ores - Grading Ores - Sampling and estimation Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Includes bibliographical references and index. Nota di bibliografia Nota di contenuto Cover; Title; Copyright; Contents; Preface; CHAPTER 1: Introduction; CHAPTER 2: General Principles: CHAPTER 3: Minimum Cut-off Grades: CHAPTER 4: Cut-off Grade for Polymetallic Deposits; CHAPTER 5: Cutoff Grade and Optimization of Processing Plant Operating Conditions; CHAPTER 6: Cut-off Grade and Mine Planning-Open Pit and Underground Selective Mining; CHAPTER 7: Cut-off Grade and Mine Planning- Block and Panel Caving; CHAPTER 8: Which Costs Should Be Included in Cut-off Grade Calculations?; CHAPTER 9: When Marginal Analysis No Longer Applies: A Gold Leaching Operation CHAPTER 10: Mining Capacity and Cut-off Grade When Processing Capacity Is FixedCHAPTER 11: Processing Capacity and Cut-off Grade When Mining Capacity Is Fixed; CHAPTER 12: Mining and Processing Capacity and Cut-off Grade When Sales Volume Is Fixed; CHAPTER 13: Releasing Capacity Constraints: A Base Metal Example: CHAPTER 14: Relationship Between Mine Selectivity, Deposit Modeling, Ore Control, and Cut-off Grade; CHAPTER 15: Conclusions; Bibliography; Symbols;

About the Author

Sommario/riassunto

An Introduction to Cut-off Grade Estimation examines one of the most important calculations in the mining industry. Cut-off grades are essential to determining the economic feasibility and mine life of a project. Increased cut-off grades can reduce political risks by ensuring higher financial returns over a shorter period of time. Conversely, lower

cut-off grades may increase project life with longer economic benefits to shareowners, employees, and local communities. Cut-off grades also impact reported reserves, which are closely monitored by stock exchanges and regulatory agencies. Author Dr.