

https://dspace.org/

Twenty five years of mechanisation of tabular orebodies in South African gold and platinum mines

Rhodes, K A

2016-03-16
http://hdl.handle.net/10539/20095

Downloaded from a DSpace repository. https://dspace.org/

VOLUME 2

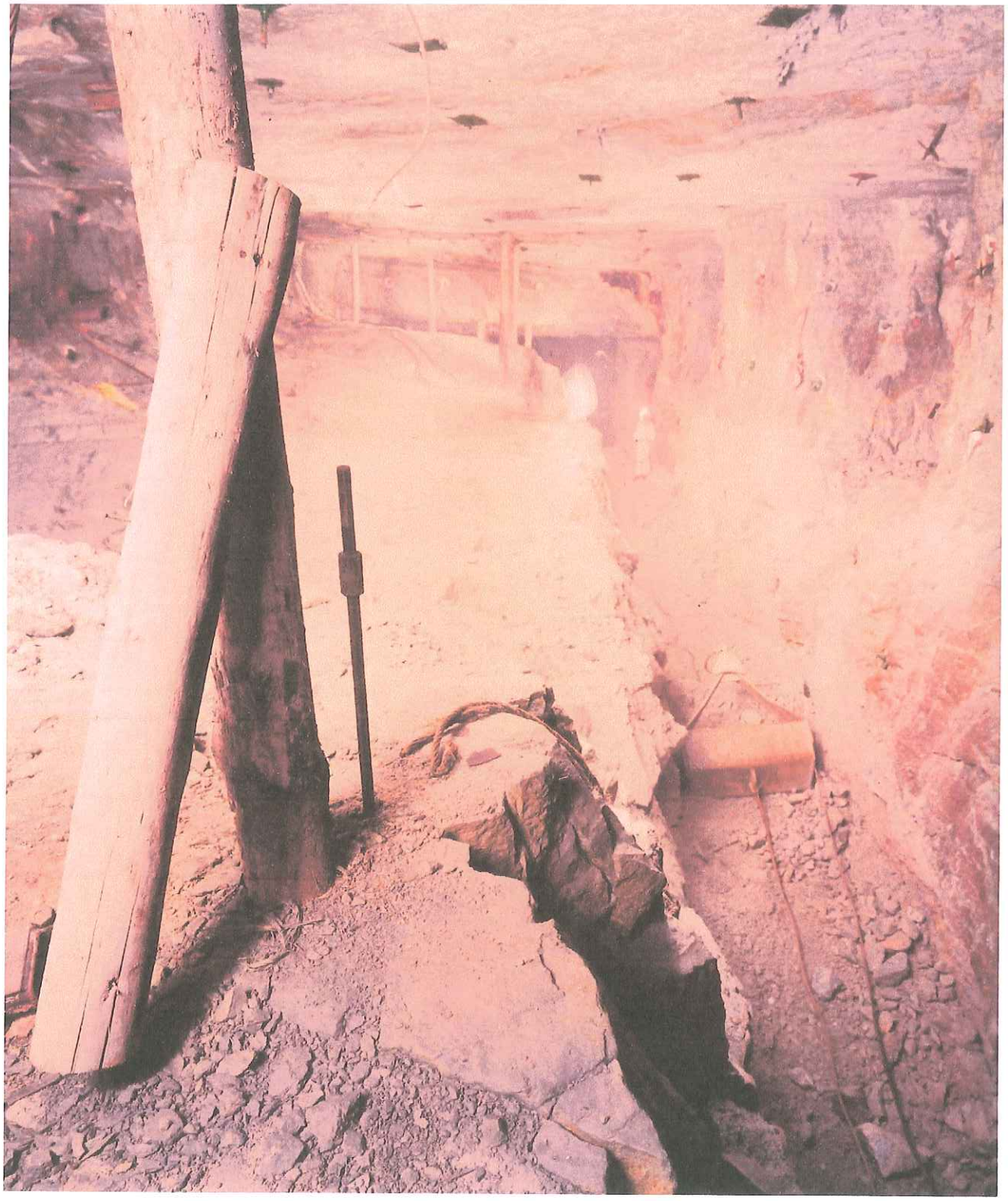
ANNEXURE 2.1

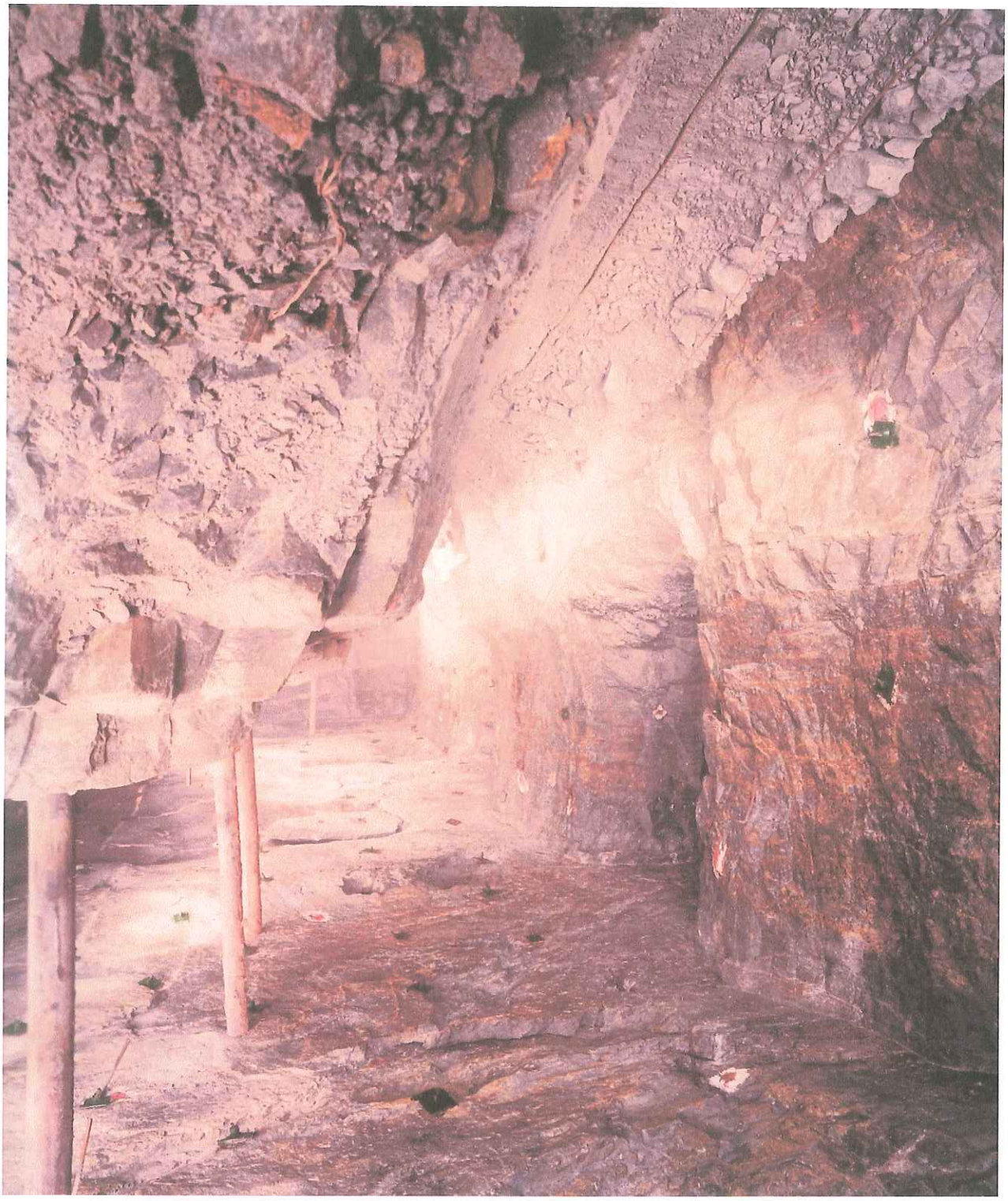
Photographs showing accumulation of rock and also dilution from the necessity to establish deep gullies to provide capacity for scraper mining in conventional wide reef stopes

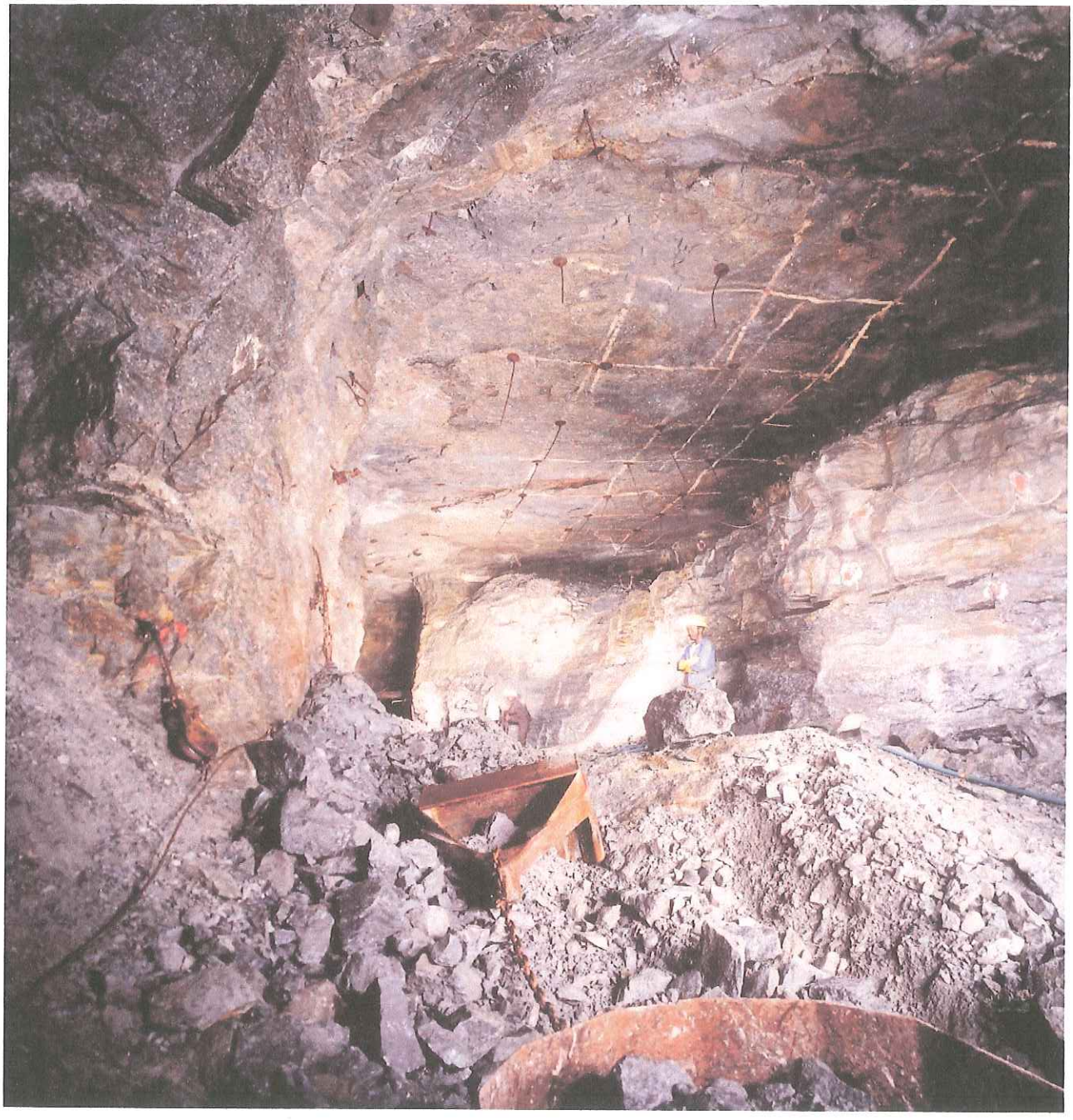








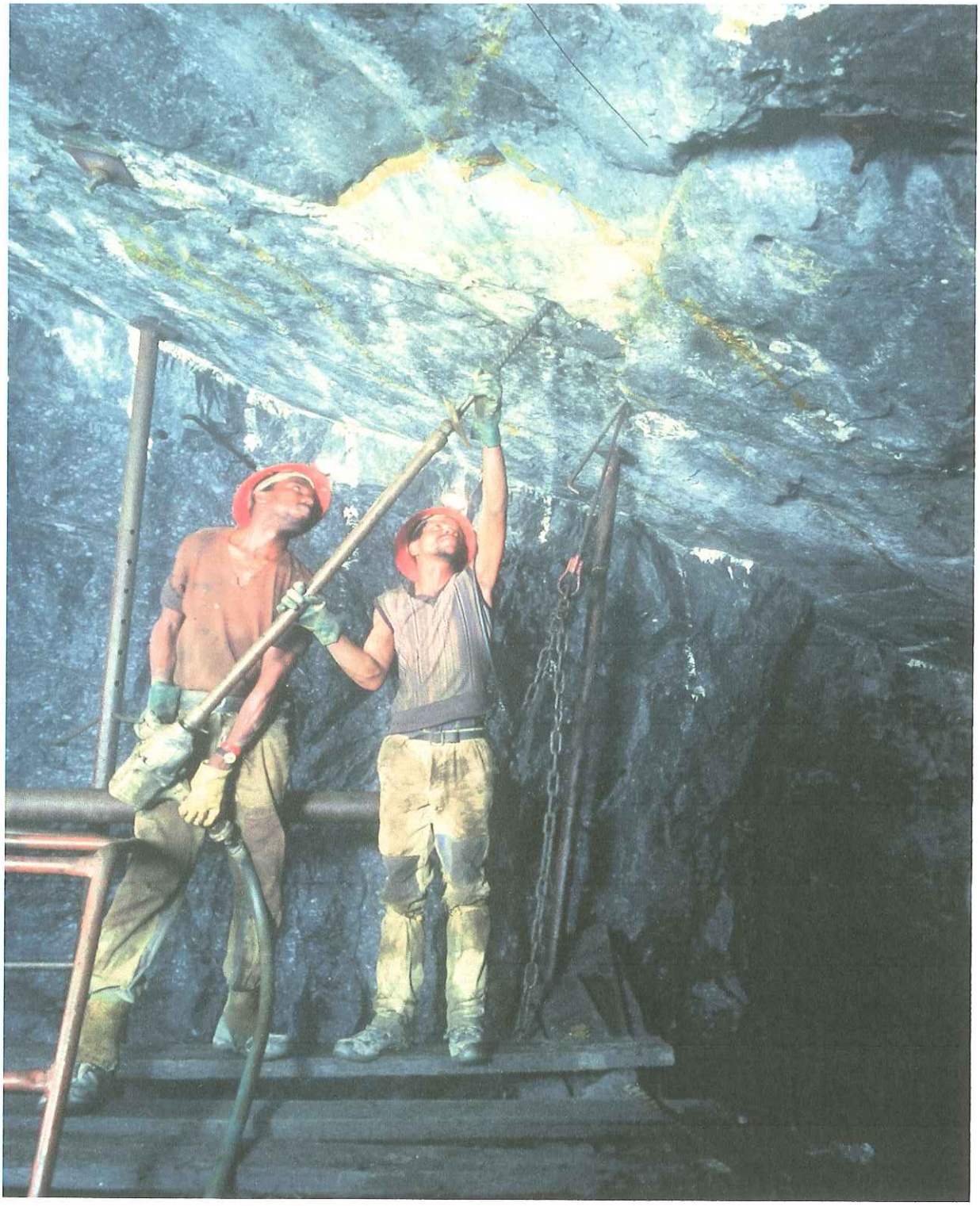


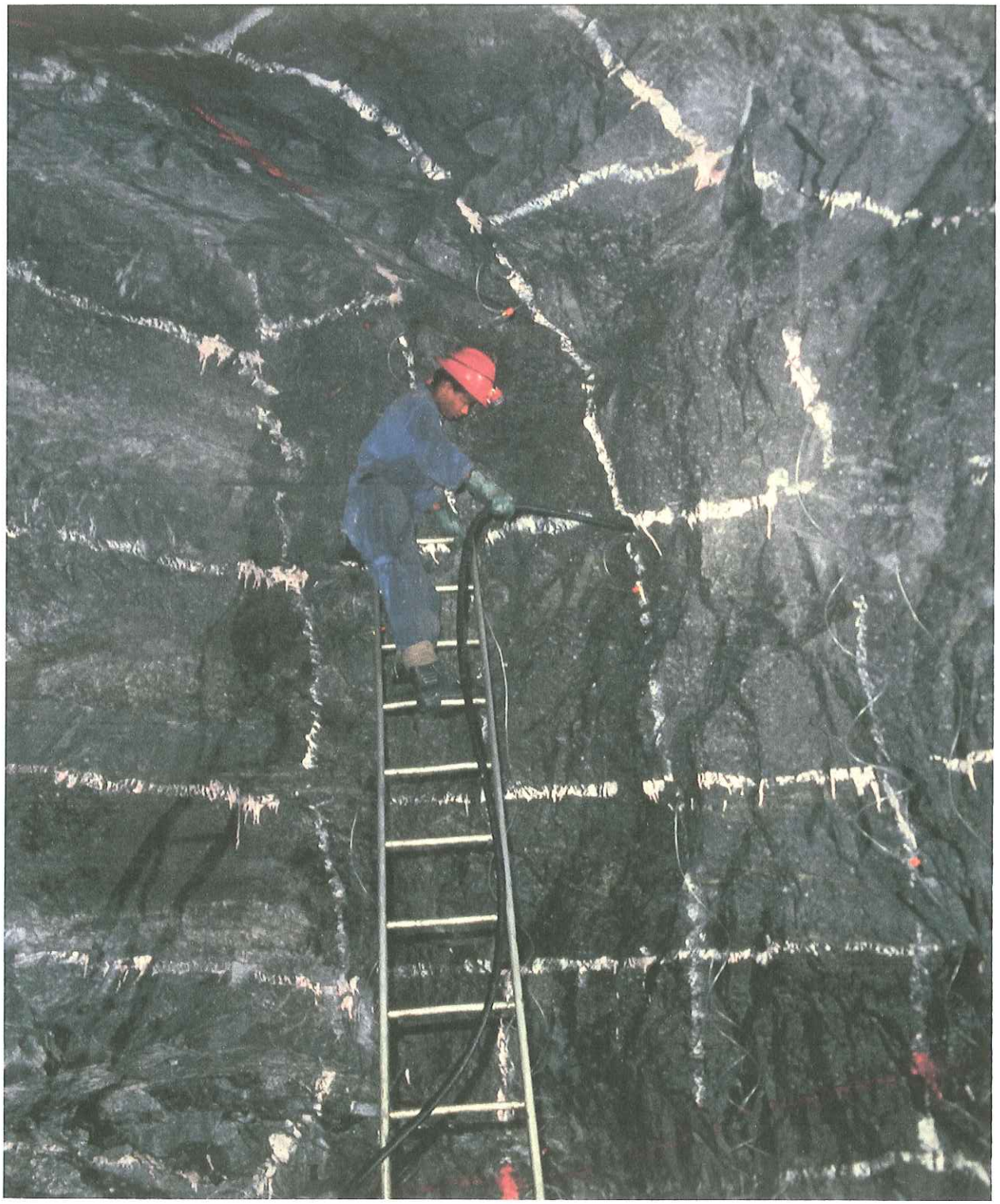


VOLUME 2

ANNEXURE 2.2

Photographs showing the necessity for platforms and ladders for drilling, making safe and charging up operations in conventional wide reef stopes





VOLUME 2

ANNEXURE 3.1

Final Preliminary Motivational Report

RANDFONTEIN ESTATES GOLD MINING COMPANY, WITWATERSRAND, LIMITED

MEMORANDUM

TO : THE GENERAL MANAGER

FROM : ACTING MINE MANAGER - COOKE 1 & 2

SUBJECT : TRACKLESS MINING AT COOKE 2

DATE : 31 JANUARY 1984

****

I hereby submit a final preliminary report on a proposed trackless mining operation at Cooke 2 Shaft.

K.A. RHODES
ACTING MINE MANAGER
COOKE 1 & 2

KAR/im

TRACKLESS MINING OPERATION AT COOKE 2 SHAFT

I N D E X

		Page
SUMMARY REPORT		
TECHNICAL REPORT		
1.	INTRODUCTION	1.
2.	GEOLOGY	1.
3.	RESERVES	4.
4.	ROCK MECHANICS CONSIDERATIONS	4.
4.1	Overstoping	4.
4.2	Regional Pillars	6.
4.3	Primary and Secondary Extraction	6.
4.4	Pillar Size and Percentage Extraction	6.
5.	MINING DESIGN AND PLANNING	6.
5.1	Production Parameters	6.
5.2	General Mining Layout	7.
5.3	Cycle of Operations	7.
5.4	Ventilation	14.
5.5	Equipment, Workshops and Other Engineering Constructions	15.
6.	LABOUR	17.
7.	TRAINING	17.
8.	EFFICIENCIES	18.
9.	SAFETY	19.
10.	COSTS	21.