

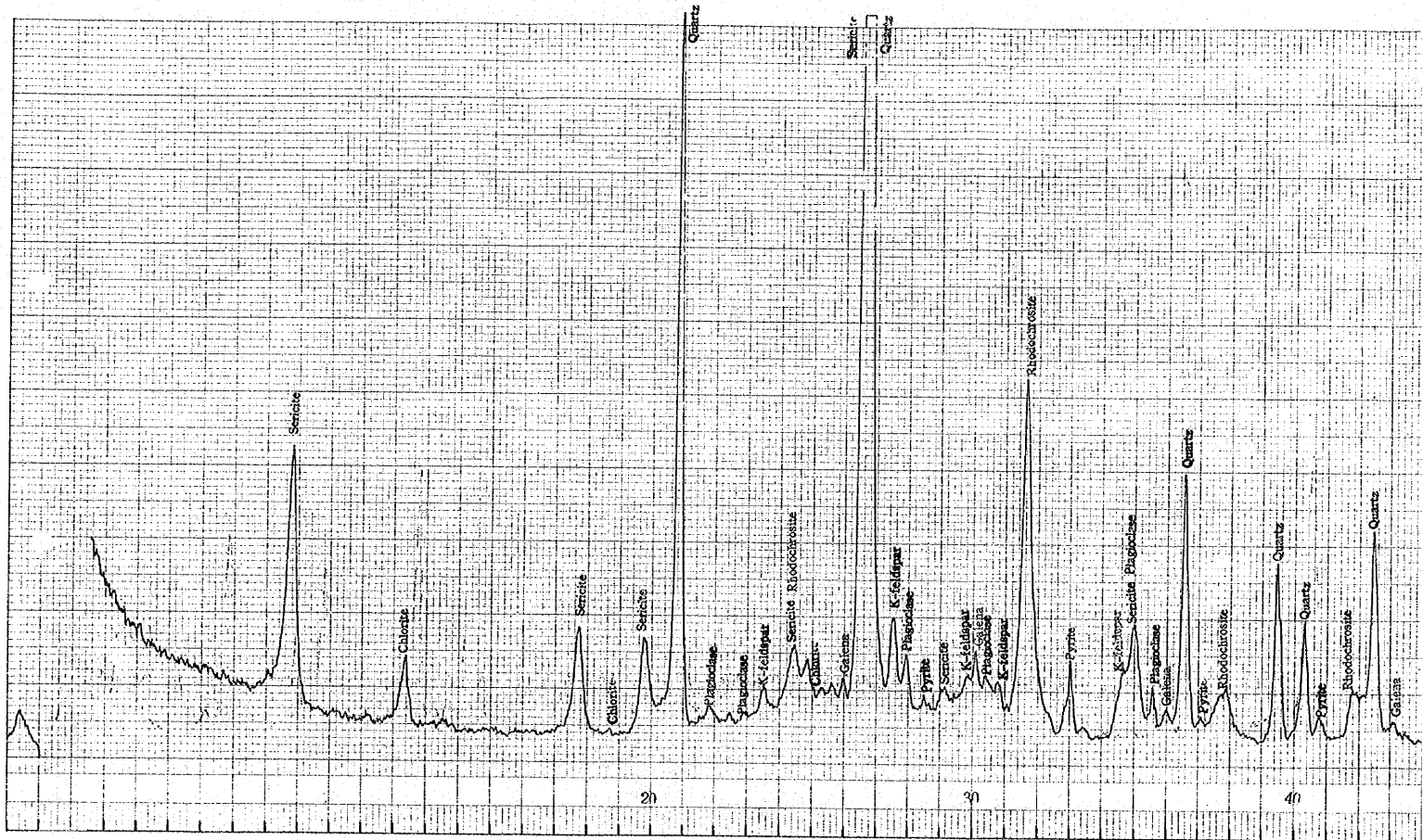
1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes that proper record-keeping is essential for transparency and accountability, particularly in the context of public administration and financial management. The text notes that without reliable records, it is difficult to track the flow of funds and ensure that resources are being used effectively and efficiently.

2. The second part of the document addresses the challenges associated with data collection and analysis. It highlights that gathering accurate and timely data can be a complex task, often requiring significant resources and expertise. The text suggests that organizations should invest in robust data management systems and training to overcome these challenges. Additionally, it stresses the importance of ensuring the privacy and security of the data collected, as this is crucial for maintaining trust and compliance with relevant regulations.

3. The third part of the document focuses on the role of technology in improving operational efficiency. It discusses how digital tools and automation can streamline processes, reduce errors, and enhance communication. The text provides examples of various technologies, such as cloud computing, artificial intelligence, and data analytics, and explains how they can be applied in different contexts. It also notes that while technology offers many benefits, it is important to consider the potential risks and ensure that any implementation is done in a secure and controlled manner.

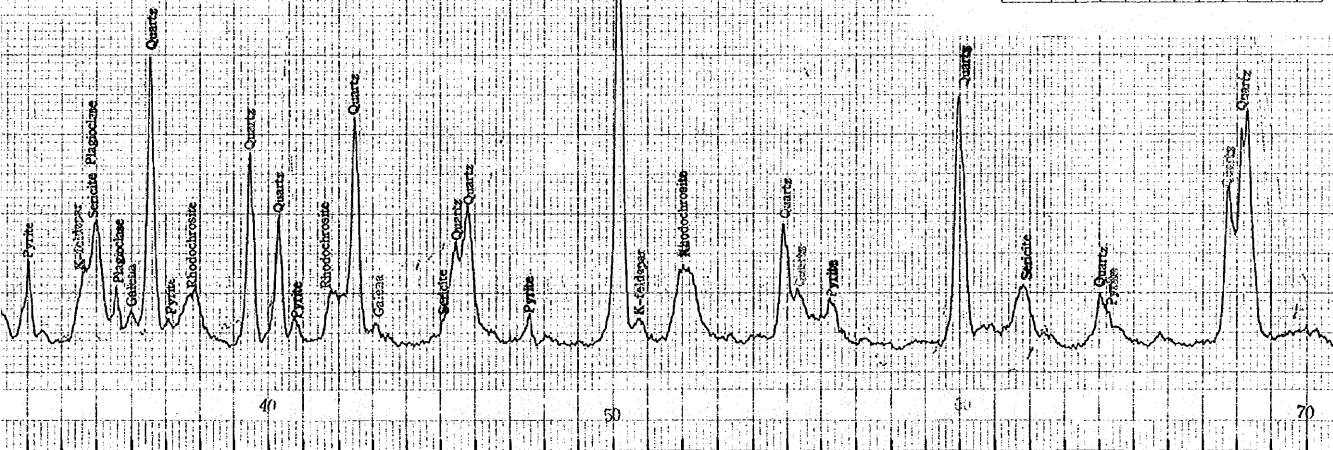
4. The fourth part of the document discusses the importance of continuous learning and professional development. It argues that in a rapidly changing environment, individuals and organizations must stay up-to-date with the latest trends and best practices. The text suggests that regular training, workshops, and conferences can help achieve this goal. Furthermore, it encourages a culture of learning and innovation, where employees are encouraged to share their knowledge and ideas, and to take ownership of their professional growth.

5. The fifth and final part of the document provides a summary of the key points discussed and offers some concluding thoughts. It reiterates the importance of transparency, data accuracy, technological innovation, and continuous learning. The text concludes by stating that these factors are all interconnected and essential for the success of any organization or public institution. It encourages readers to take action on these recommendations and to work together to create a more efficient and effective future.



X-Ray Diffractometer (Rotaflex) Chart

Sample	Tailing-2 Sample (BDF)
Target	Cu
Voltage	40 KV
Current	150 mA
Full Scale Range	4000 CPS
Time Constant	0.5 sec
Scanning Speed	4 °/min
Chart Speed	4 cm/min
Divergency	1°
Receiving Slit	0.15 mm
Detector	SC
G. Monochro	



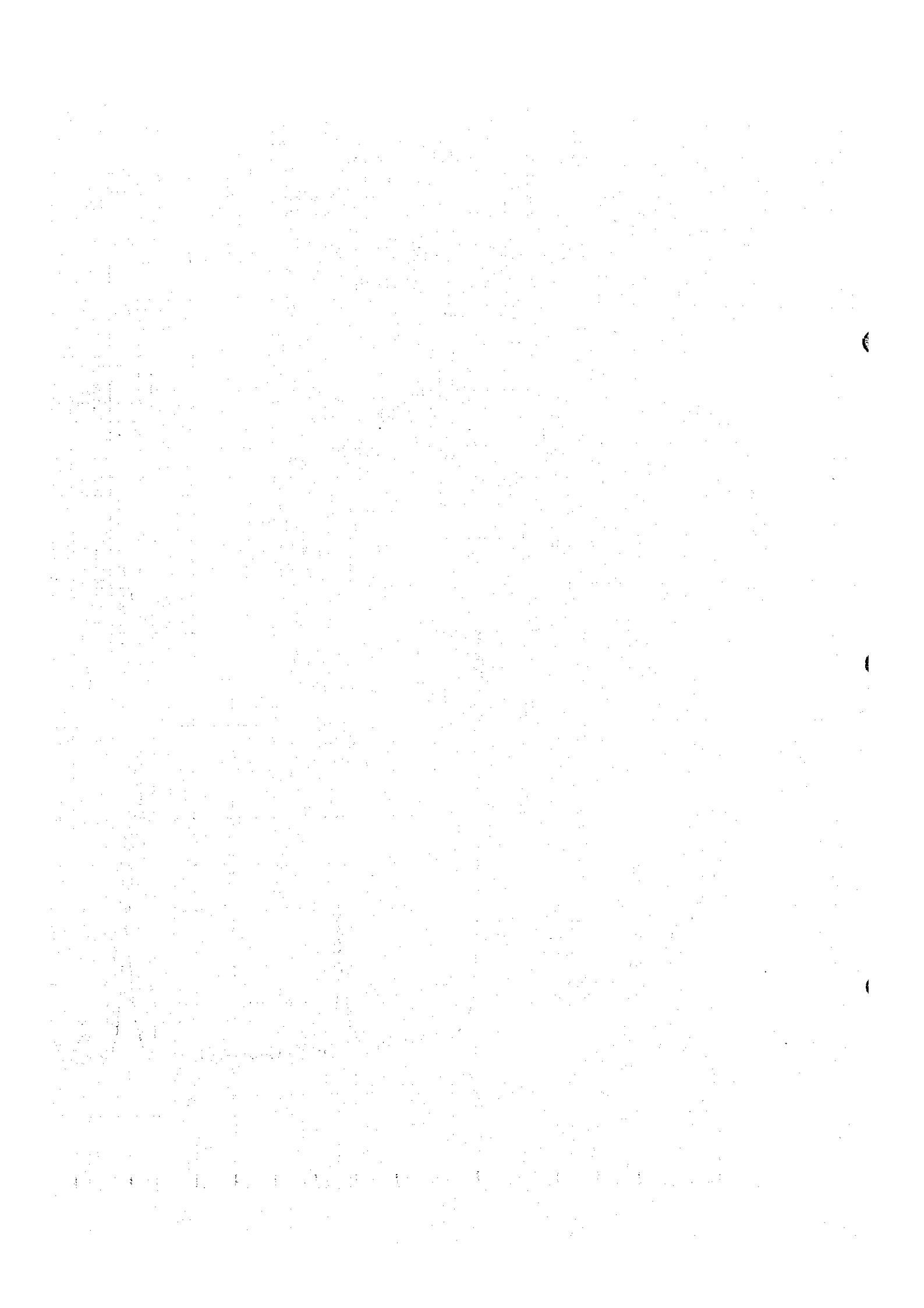
1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes that this is crucial for ensuring transparency and accountability in the organization's operations.

2. The second part of the document outlines the various methods and tools used to collect and analyze data. It highlights the need for consistent data collection procedures and the use of advanced analytical techniques to derive meaningful insights from the data.

3. The third part of the document focuses on the role of technology in data management and analysis. It discusses how modern software solutions can streamline data collection, storage, and processing, thereby improving efficiency and accuracy.

4. The fourth part of the document addresses the challenges associated with data management, such as data quality, security, and privacy. It provides strategies to mitigate these risks and ensure that the data remains reliable and secure throughout its lifecycle.

5. The fifth part of the document concludes by summarizing the key findings and recommendations. It stresses the importance of ongoing monitoring and evaluation to ensure that the data management processes remain effective and aligned with the organization's goals.



Milling time	Particle Size (Mesh)	Distribution											Cumulative Distribution												
		Weight (%)					Weight (%)					Weight (%)					Weight (%)								
		Grade											Grade												
		Cu	Pb	Zn	Fe	Ag	Au	Cu	Pb	Zn	Fe	Ag	Au	Cu	Pb	Zn	Fe	Ag	Au	Cu	Pb	Zn	Fe	Ag	Au
0 min	-65	54.1	9.6	3.7	4.5	277	0.7	44.9%	56.4%	65.1%	51.1%	51.9%	58.3%	44.9%	56.4%	65.1%	51.1%	51.9%	58.3%	44.9%	56.4%	65.1%	51.1%	51.9%	58.3%
	-100	9.0	18	2.9	5.7	312	0.7	7.3%	9.5%	8.2%	10.8%	9.7%	9.7%	52.8%	65.9%	73.3%	61.9%	61.0%	61.0%	52.8%	65.9%	73.3%	61.9%	61.0%	61.0%
	-150	8.2	11.7	2.5	6.3	366	0.8	7.2%	7.1%	7.7%	9.1%	10.4%	10.1%	60.0%	73.0%	81.0%	71.0%	72.0%	78.1%	60.0%	73.0%	81.0%	71.0%	72.0%	78.1%
	-200	5.3	7.6	2.5	6.3	317	0.8	5.9%	6.7%	4.3%	7.0%	5.8%	6.5%	65.9%	79.7%	85.3%	78.0%	77.8%	84.6%	65.9%	79.7%	85.3%	78.0%	77.8%	84.6%
	-270	3.9	80.5	3.0	6.2	311	0.8	4.8%	5.1%	3.8%	5.1%	4.2%	4.8%	70.7%	84.8%	89.1%	83.1%	82.0%	89.4%	70.7%	84.8%	89.1%	83.1%	82.0%	89.4%
	-325	2.0	82.5	2.7	6.1	398	0.8	2.8%	2.3%	1.8%	2.6%	2.8%	2.5%	73.5%	87.1%	90.9%	85.7%	84.8%	91.9%	73.5%	87.1%	90.9%	85.7%	84.8%	91.9%
	Total	17.5	100.0	1.6	3.9	250	0.3	26.5%	12.9%	9.1%	14.3%	15.2%	8.1%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
3 min	-65	33.8	8.6	3.2	2.1	105	0.3	11.9%	14.0%	34.9%	18.1%	14.7%	19.3%	11.9%	14.0%	34.9%	18.1%	14.7%	19.3%	11.9%	14.0%	34.9%	18.1%	14.7%	19.3%
	-100	11.9	14.1	4.2	5.4	372	0.8	13.7%	19.3%	16.1%	16.4%	18.3%	18.1%	25.6%	33.3%	51.0%	34.5%	33.0%	37.4%	25.6%	33.3%	51.0%	34.5%	33.0%	37.4%
	-150	13.1	58.8	3.8	5.4	315	0.8	17.1%	18.7%	16.0%	18.0%	17.1%	19.9%	42.7%	52.0%	67.0%	52.5%	50.1%	57.3%	42.7%	52.0%	67.0%	52.5%	50.1%	57.3%
	-200	8.1	66.9	3.7	5.6	292	0.7	8.9%	11.1%	9.7%	11.6%	9.8%	10.8%	51.6%	63.1%	76.7%	64.1%	59.9%	68.1%	51.6%	63.1%	76.7%	64.1%	59.9%	68.1%
	-270	5.4	72.3	3.1	5.0	340	0.8	7.0%	7.8%	5.4%	6.9%	7.6%	8.2%	58.6%	70.9%	82.1%	71.0%	67.5%	76.3%	58.6%	70.9%	82.1%	71.0%	67.5%	76.3%
	-325	3.4	75.7	3.5	5.7	332	0.8	4.8%	4.9%	3.8%	4.9%	4.7%	5.2%	63.4%	75.8%	85.9%	75.9%	72.2%	81.5%	63.4%	75.8%	85.9%	75.9%	72.2%	81.5%
	Total	24.3	100.0	1.8	3.9	277	0.4	36.6%	24.2%	14.1%	24.1%	27.8%	18.5%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
5 min	-65	16.6	1.4	2.0	3.9	242	0.5	3.9%	2.6%	11.0%	13.9%	4.0%	9.2%	3.9%	2.6%	11.0%	13.9%	4.0%	9.2%	3.9%	2.6%	11.0%	13.9%	4.0%	9.2%
	-100	16.8	9.1	4.2	5.3	213	0.9	8.9%	17.0%	23.4%	19.1%	16.8%	20.9%	12.8%	19.6%	34.4%	33.0%	20.8%	30.1%	12.8%	19.6%	34.4%	33.0%	20.8%	30.1%
	-150	17.3	50.7	3.2	4.4	328	0.9	16.3%	21.6%	18.4%	16.4%	26.6%	21.5%	41.2%	49.4%	52.8%	49.4%	47.4%	51.6%	41.2%	49.4%	52.8%	49.4%	47.4%	51.6%
	-200	10.6	61.3	4.0	5.7	326	1.2	11.9%	15.6%	14.1%	13.0%	16.2%	17.6%	41.0%	56.8%	66.9%	62.4%	63.6%	69.2%	41.0%	56.8%	66.9%	62.4%	63.6%	69.2%
	-270	6.2	67.5	3.9	5.8	331	1.1	7.7%	9.5%	8.0%	7.7%	9.6%	9.4%	48.7%	66.3%	74.9%	70.1%	73.2%	78.6%	48.7%	66.3%	74.9%	70.1%	73.2%	78.6%
	-325	4.2	71.7	3.2	5.5	308	1.0	6.2%	6.1%	4.5%	5.0%	6.1%	5.8%	54.9%	72.4%	79.4%	75.1%	79.3%	84.4%	54.9%	72.4%	79.4%	75.1%	79.3%	84.4%
	Total	28.3	100.0	2.2	4.1	157	0.4	45.1%	27.6%	20.6%	24.9%	20.7%	15.6%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
10 min	-65	2.0	0.02	1.5	4.1	12	0.2	0.2%	0.2%	0.9%	1.8%	0.2%	0.8%	0.2%	0.2%	0.9%	1.8%	0.2%	0.8%	0.2%	0.2%	0.9%	1.8%	0.2%	0.8%
	-100	10.3	12.3	2.7	3.9	18	0.3	3.4%	1.6%	8.5%	8.6%	1.5%	6.1%	3.6%	1.8%	9.4%	10.4%	1.7%	6.9%	3.6%	1.8%	9.4%	10.4%	1.7%	6.9%
	-150	19.6	31.9	4.8	4.7	63	0.6	12.9%	11.4%	23.3%	19.8%	10.0%	23.1%	16.5%	13.2%	32.7%	30.2%	11.7%	30.0%	16.5%	13.2%	32.7%	30.2%	11.7%	30.0%
	-200	16.3	48.2	3.6	4.9	127	0.7	15.2%	15.2%	18.1%	17.0%	16.8%	22.5%	31.7%	28.4%	50.8%	47.2%	28.5%	52.5%	31.7%	28.4%	50.8%	47.2%	28.5%	52.5%
	-270	8.3	56.5	4.3	5.6	190	1.0	9.6%	14.9%	10.9%	10.1%	12.8%	16.3%	41.3%	43.3%	61.7%	57.3%	41.3%	63.8%	41.3%	43.3%	61.7%	57.3%	41.3%	63.8%
	-325	5.6	62.1	4.0	5.2	154	0.8	6.8%	7.9%	6.9%	6.3%	7.0%	8.8%	48.1%	51.2%	68.6%	63.6%	48.3%	77.6%	48.1%	51.2%	68.6%	63.6%	48.3%	77.6%
	Total	37.9	100.0	2.7	4.5	168	0.3	51.9%	48.8%	31.4%	36.4%	51.7%	22.4%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

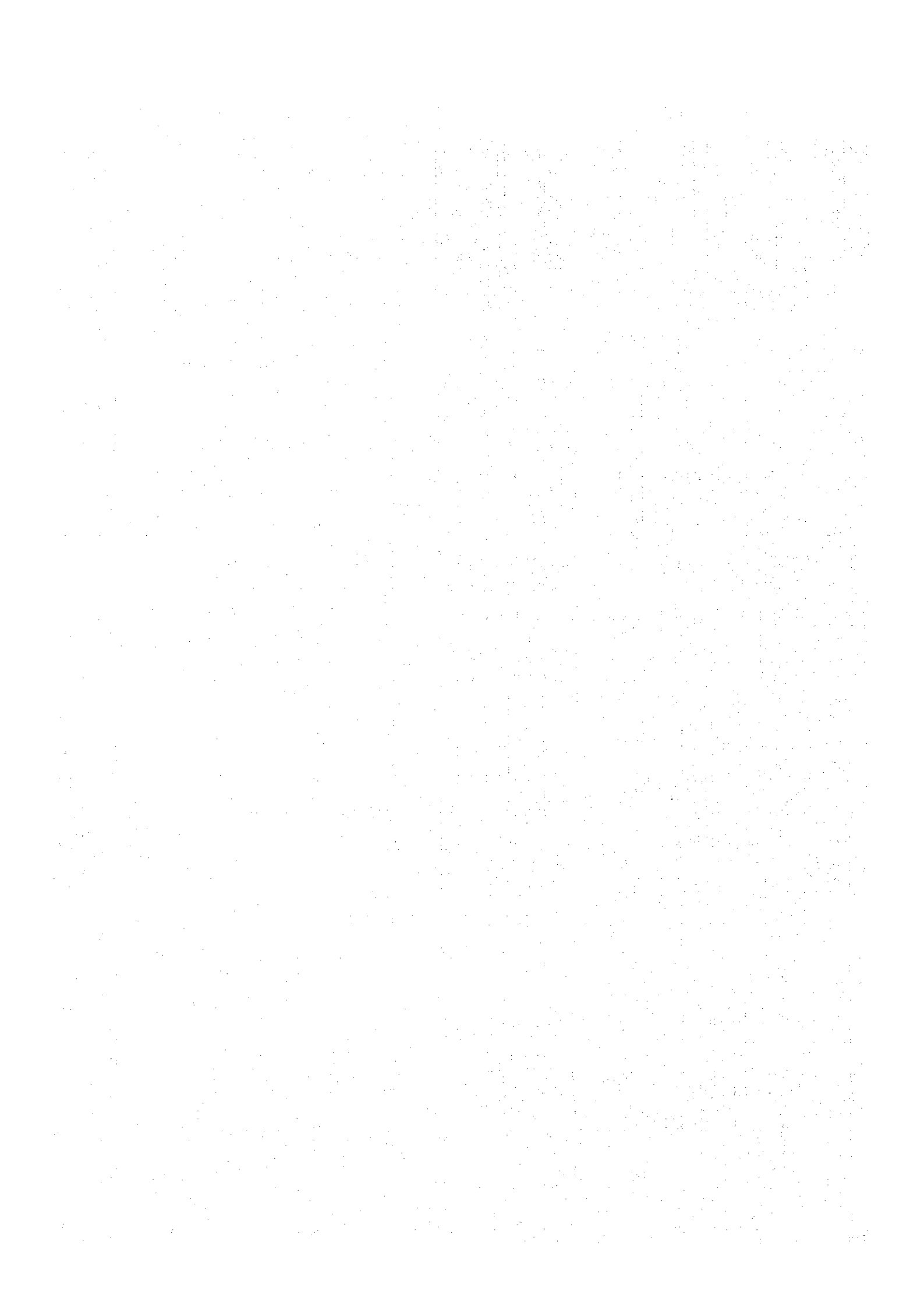
Apx. 23 Grinding Test Results





Type	Particle Size (Mesh)	Weight (%)										Cumulative Distribution (%)									
		1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
Crude Ore	<55	46.24	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
	10-20	16.7	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
	150-200	52.4	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
	200-270	22.23	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
	>270	13.20	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Conc 1	<55	40.70	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
	10-20	3.01	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
	150-200	11.10	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
	200-270	12.97	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
	>270	13.20	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Conc 2	<55	0.74	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
	10-20	0.25	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
	150-200	1.24	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
	200-270	0.62	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
	>270	1.35	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Conc 3	<55	1.38	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
	10-20	0.70	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
	150-200	0.88	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
	200-270	0.45	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
	>270	1.15	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Tailing	<55	31.59	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
	10-20	70.86	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
	150-200	1.24	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
	200-270	0.70	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
	>270	11.45	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Total	<55	115.81	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
	10-20	37.52	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
	150-200	1.24	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
	200-270	0.70	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
	>270	11.45	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9

Apr. 25 Results of Floation Test by Grain Size without Activator CuSO₄ .)





Test No.	Type	Weight (g)	Weight (%)	Grade					Distribution					Distribution					
				Cu	Pb	Zn	Fe		Cu	Pb	Zn	Fe		Cu	Pb	Zn	Fe		
1	Crude Ore	497.78	100.0	0.17	7.91	2.52	4.59	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
	Bulk Conc	101.93	20.4	0.70	34.95	11.80	9.15	90.5%	90.5%	95.9%	40.8%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
	Pb Conc	73.81	14.8	0.79	43.36	14.50	7.24	81.3%	81.3%	85.3%	23.4%	89.8%	89.8%	89.0%	88.8%	89.0%	89.0%	89.0%	89.0%
	Zn Conc	28.12	5.6	0.45	12.88	4.72	14.18	15.3%	9.2%	10.6%	17.4%	17.8%	10.2%	11.0%	17.8%	10.2%	11.0%	11.0%	11.0%
	Tailing	395.85	79.6	0.03	0.95	0.13	3.42	14.3%	9.5%	4.1%	59.2%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
2	Crude Ore	498.80	100.0	0.17	7.94	2.56	4.64	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
	Bulk Conc	93.73	18.8	0.66	37.52	12.87	7.46	88.8%	88.8%	94.6%	30.2%	90.7%	90.7%	90.7%	90.7%	90.7%	90.7%	90.7%	90.7%
	Pb Conc	72.37	14.5	0.78	47.55	15.85	4.30	86.9%	86.9%	89.9%	13.4%	86.9%	86.9%	86.9%	86.9%	86.9%	86.9%	86.9%	86.9%
	Zn Conc	21.36	4.3	0.27	3.55	2.78	18.17	7.0%	1.9%	4.7%	16.8%	9.3%	2.2%	4.9%	9.3%	2.2%	4.9%	4.9%	4.9%
	Tailing	405.07	81.2	0.05	1.10	0.17	3.99	24.6%	11.2%	5.4%	69.8%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
3	Crude Ore	498.15	100.0	0.16	8.02	2.49	4.64	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
	Bulk Conc	95.36	19.2	0.73	37.49	12.34	8.59	85.1%	89.5%	94.8%	35.4%	92.1%	92.1%	92.1%	92.1%	92.1%	92.1%	92.1%	92.1%
	Pb Conc	75.05	15.1	0.85	46.61	15.49	5.28	78.4%	87.6%	93.7%	17.1%	87.6%	87.6%	87.6%	87.6%	87.6%	87.6%	87.6%	87.6%
	Zn Conc	20.31	4.1	0.27	3.79	0.68	20.80	6.7%	1.9%	1.1%	18.3%	7.9%	2.2%	1.2%	7.9%	2.2%	1.2%	1.2%	1.2%
	Tailing	402.79	80.8	0.03	1.04	0.16	3.71	14.9%	10.5%	5.2%	64.6%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
4	Crude Ore	498.84	100.0	0.16	7.97	2.49	4.77	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
	Bulk Conc	95.87	19.2	0.72	37.58	12.36	8.91	85.1%	90.6%	95.5%	35.9%	94.5%	94.5%	94.5%	94.5%	94.5%	94.5%	94.5%	94.5%
	Pb Conc	79.34	15.9	0.82	44.55	14.64	6.99	80.4%	88.9%	93.6%	23.3%	88.9%	88.9%	88.9%	88.9%	88.9%	88.9%	88.9%	88.9%
	Zn Conc	16.53	3.3	0.23	4.10	1.43	18.14	4.7%	1.7%	1.9%	12.5%	5.5%	1.9%	2.0%	5.5%	1.9%	2.0%	2.0%	2.0%
	Tailing	402.97	80.8	0.03	0.93	0.14	3.78	14.9%	9.4%	4.5%	64.1%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
5	Crude Ore	498.59	100.0	0.16	7.93	2.42	4.64	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
	Bulk Conc	102.38	20.6	0.72	35.36	11.39	9.18	94.9%	91.6%	96.7%	40.7%	96.4%	96.4%	96.4%	96.4%	96.4%	96.4%	96.4%	96.4%
	Pb Conc	79.17	15.9	0.83	44.09	14.45	7.04	84.5%	88.3%	94.9%	24.1%	88.0%	88.0%	88.0%	88.0%	88.0%	88.0%	88.0%	88.0%
	Zn Conc	23.21	4.7	0.35	5.58	0.95	16.50	10.4%	3.3%	1.8%	16.6%	11.0%	3.6%	1.9%	11.0%	3.6%	1.9%	1.9%	1.9%
	Tailing	396.21	79.4	0.01	0.84	0.10	3.46	5.1%	8.4%	3.3%	59.3%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
6	Crude Ore	498.48	100.0	0.16	7.90	2.52	4.70	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
	Bulk Conc	96.20	19.3	0.73	36.47	12.37	8.82	89.8%	89.1%	94.6%	36.2%	92.0%	92.0%	92.0%	92.0%	92.0%	92.0%	92.0%	92.0%
	Pb Conc	79.03	15.9	0.82	43.57	14.94	7.10	82.6%	87.4%	93.8%	23.9%	88.1%	88.1%	88.1%	88.1%	88.1%	88.1%	88.1%	88.1%
	Zn Conc	17.17	3.4	0.33	3.80	0.55	16.73	7.2%	1.7%	0.8%	12.3%	8.0%	1.9%	0.8%	8.0%	1.9%	0.8%	0.8%	0.8%
	Tailing	402.28	80.7	0.02	1.07	0.17	3.72	10.2%	10.9%	5.4%	63.8%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
7	Crude Ore	499.10	100.0	0.17	7.80	2.58	4.71	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
	Bulk Conc	99.71	20.0	0.75	35.32	12.53	8.85	90.3%	90.5%	96.9%	37.5%	92.6%	92.6%	92.6%	92.6%	92.6%	92.6%	92.6%	92.6%
	Pb Conc	81.22	16.3	0.85	42.34	14.99	7.19	83.6%	88.4%	94.5%	24.8%	88.4%	88.4%	88.4%	88.4%	88.4%	88.4%	88.4%	88.4%
	Zn Conc	18.49	3.7	0.30	4.50	1.70	16.15	6.7%	2.1%	2.4%	12.7%	7.4%	2.4%	2.5%	7.4%	2.4%	2.5%	2.5%	2.5%
	Tailing	399.39	80.0	0.02	0.93	0.10	3.68	9.7%	9.5%	3.1%	62.5%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
8	Crude Ore	499.99	100.0	0.17	7.91	2.57	4.74	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
	Bulk Conc	95.24	19.1	0.74	37.61	12.88	8.26	85.4%	90.6%	95.6%	33.3%	94.7%	94.7%	94.7%	94.7%	94.7%	94.7%	94.7%	94.7%
	Pb Conc	80.79	16.2	0.83	43.55	14.91	7.41	80.9%	88.0%	93.9%	25.3%	88.2%	88.2%	88.2%	88.2%	88.2%	88.2%	88.2%	88.2%
	Zn Conc	14.45	2.9	0.26	4.38	1.55	13.12	4.5%	1.6%	1.7%	8.0%	5.3%	1.8%	1.8%	5.3%	1.8%	1.8%	1.8%	1.8%
	Tailing	404.75	80.9	0.03	0.92	0.14	3.91	14.6%	9.4%	4.4%	66.7%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Apx. 26 Results of Preliminary Flotation Test (Bulk Differential Flotation)

Test No.	Type	Weight		Weight (%)	Grade				Distribution			
		(g)	(%)		Cu	Pb	Zn	Fe	Cu	Pb	Zn	Fe
1	Crude Ore	496.77	100.0	0.17	6.44	3.09	4.71	100.0%	100.0%	100.0%	100.0%	
	Pb Conc	56.65	11.4	0.93	44.23	12.73	2.09	64.0%	78.3%	47.0%	5.1%	
	Tailing	440.12	88.6	0.07	1.58	1.85	5.05	36.0%	21.7%	53.0%	94.9%	
2	Crude Ore	498.71	100.0	0.17	6.83	3.27	4.64	100.0%	100.0%	100.0%	100.0%	
	Pb Conc	34.16	6.9	0.96	52.76	4.98	1.06	38.2%	52.9%	10.5%	1.6%	
	Tailing	464.55	93.1	0.11	3.45	3.14	4.90	61.8%	47.1%	89.5%	98.4%	
3	Crude Ore	496.95	100.0	0.16	6.24	2.94	4.66	100.0%	100.0%	100.0%	100.0%	
	Pb Conc	54.20	10.9	0.92	44.77	11.54	2.06	61.7%	78.1%	42.9%	4.8%	
	Tailing	442.75	89.1	0.07	1.53	1.88	4.98	38.3%	21.9%	57.1%	95.2%	
4	Crude Ore	496.96	100.0	0.18	6.07	3.18	4.57	100.0%	100.0%	100.0%	100.0%	
	Pb Conc	43.90	8.8	0.99	38.46	8.26	1.61	49.1%	56.0%	22.9%	3.1%	
	Tailing	453.06	91.2	0.10	2.93	2.69	4.85	50.9%	44.0%	77.1%	96.9%	
5	Crude Ore	497.47	100.0	0.17	6.32	3.08	4.62	100.0%	100.0%	100.0%	100.0%	
	Pb Conc	45.28	9.1	0.93	48.57	6.77	1.27	49.4%	69.9%	20.1%	2.5%	
	Tailing	452.19	90.9	0.10	2.09	2.71	4.96	50.6%	30.1%	79.9%	97.5%	
6	Crude Ore	497.22	100.0	0.16	7.11	3.03	4.63	100.0%	100.0%	100.0%	100.0%	
	Pb Conc	61.99	12.5	0.92	48.27	13.70	2.39	72.4%	84.7%	56.4%	6.4%	
	Tailing	435.23	87.5	0.05	1.24	1.51	4.95	27.6%	15.3%	43.6%	93.6%	
7	Crude Ore	497.62	100.0	0.17	5.43	3.14	4.69	100.0%	100.0%	100.0%	100.0%	
	Pb Conc	48.30	9.7	0.86	42.02	5.79	1.19	48.4%	75.0%	17.9%	2.5%	
	Tailing	449.32	90.3	0.10	1.50	2.86	5.06	51.6%	25.0%	82.1%	97.5%	
8	Crude Ore	496.01	100.0	0.18	6.38	3.20	4.64	100.0%	100.0%	100.0%	100.0%	
	Pb Conc	31.17	6.3	0.96	39.54	4.48	1.21	34.6%	39.0%	8.8%	1.7%	
	Tailing	464.84	93.7	0.12	4.15	3.11	4.87	65.4%	61.0%	91.2%	98.3%	
9	Crude Ore	497.99	100.0	0.17	6.56	3.16	4.80	100.0%	100.0%	100.0%	100.0%	
	Pb Conc	54.19	10.9	0.86	45.42	12.67	2.08	54.9%	75.3%	43.6%	4.7%	
	Tailing	443.80	89.1	0.09	1.82	2.00	5.13	45.1%	24.7%	56.4%	95.3%	

Apx. 27 Results of Preliminary Flotation Test(Straight Differential Flotation)

Test No.	Type	Weight (g)	Weight (%)	Grade				Distribution			
				Cu	Pb	Zn	Fe	Cu	Pb	Zn	Fe
1	Crude Ore	495.79	100.0	0.10	7.94	3.07	4.71	100.0%	100.0%	100.0%	100.0%
	Bulk Conc	89.89	18.1	0.39	39.34	15.97	8.58	74.4%	89.8%	94.4%	33.0%
	Tailing	405.90	81.9	0.03	0.99	0.21	3.85	25.6%	10.2%	5.6%	67.0%
2	Crude Ore	498.10	100.0	0.13	7.92	3.04	4.71	100.0%	100.0%	100.0%	100.0%
	Bulk Conc	88.67	17.7	0.60	39.85	16.10	8.45	81.1%	89.5%	94.3%	32.0%
	Tailing	409.43	82.3	0.03	1.01	0.21	3.90	18.9%	10.5%	5.7%	68.0%
3	Crude Ore	498.59	100.0	0.08	7.91	3.05	4.67	100.0%	100.0%	100.0%	100.0%
	Bulk Conc	95.00	19.0	0.34	37.55	15.14	8.50	79.9%	90.5%	94.7%	34.7%
	Tailing	403.59	81.0	0.02	0.93	0.20	3.77	20.1%	9.5%	5.3%	65.3%
4	Crude Ore	496.96	100.0	0.10	7.82	3.07	4.80	100.0%	100.0%	100.0%	100.0%
	Bulk Conc	88.30	17.8	0.43	39.55	16.37	8.09	75.6%	89.9%	94.6%	30.0%
	Tailing	408.66	82.2	0.03	0.96	0.20	4.09	24.4%	10.1%	5.4%	70.0%
5	Crude Ore	497.61	100.0	0.09	7.82	3.07	4.66	100.0%	100.0%	100.0%	100.0%
	Bulk Conc	98.69	19.8	0.36	35.90	14.78	8.43	81.9%	91.1%	95.6%	36.0%
	Tailing	398.92	80.2	0.02	0.87	0.17	3.72	18.1%	8.9%	4.4%	64.0%
6	Crude Ore	496.91	100.0	0.10	8.03	3.47	4.40	100.0%	100.0%	100.0%	100.0%
	Bulk Conc	92.95	18.8	0.38	38.69	17.63	7.53	74.5%	90.1%	95.1%	32.0%
	Tailing	403.96	81.2	0.03	0.98	0.21	3.68	25.5%	9.9%	4.9%	68.0%
7	Crude Ore	497.35	100.0	0.10	7.45	3.11	4.60	100.0%	100.0%	100.0%	100.0%
	Bulk Conc	90.14	18.1	0.39	37.24	16.23	7.92	74.3%	90.6%	94.5%	31.2%
	Tailing	407.21	81.9	0.03	0.86	0.21	3.86	25.7%	9.4%	5.5%	68.8%
8	Crude Ore	498.17	100.0	0.13	8.10	3.13	4.81	100.0%	100.0%	100.0%	100.0%
	Bulk Conc	93.64	18.7	0.56	38.21	15.60	8.70	81.3%	88.7%	93.8%	34.0%
	Tailing	404.53	81.3	0.03	1.13	0.24	3.91	18.7%	11.3%	6.2%	66.0%
9	Crude Ore	496.85	100.0	0.11	7.68	3.14	4.72	100.0%	100.0%	100.0%	100.0%
	Bulk Conc	87.80	17.7	0.43	38.55	16.72	7.93	69.9%	88.7%	94.0%	29.7%
	Tailing	409.05	82.3	0.04	1.05	0.23	4.03	30.1%	11.3%	6.0%	70.3%

Apx. 28 Results of Basic Flotation Test(Bulk Differential Flotation)

Test No.	Type	Weight (g)	Weight (%)	Grade						Distribution								
				Cu	Pb	Zn	Fe	Cu	Pb	Zn	Fe	Cu	Pb	Zn	Fe			
																Weight (%)	Weight (%)	Weight (%)
1	Crude Ore	495.79	100.0	0.10	7.94	3.07	4.71	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	Bulk Conc	89.76	18.1	0.41	39.38	16.01	8.59	75.0	89.8	94.4	94.4	33.0	5.6	67.0	100.0	100.0	100.0	100.0
	Bulk Tail	406.03	81.9	0.03	0.99	0.21	3.85	25.0	10.2	5.6	15.0	3.8	17.6	97.1	2.9	15.9	84.1	88.5
	Pb Conc	49.50	10.0	0.13	69.34	4.62	1.79	13.2	87.2	2.8	79.4	29.2	82.4	100.0	100.0	100.0	100.0	100.0
2	Zn Conc	40.26	8.1	0.75	2.55	30.01	16.94	61.8	2.8	49.0	28.5	64.6	100.0	100.0	100.0	100.0	100.0	100.0
	Crude Ore	498.10	100.1	0.13	7.92	3.04	4.71	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	Bulk Conc	91.86	18.4	0.57	39.46	15.53	9.19	81.0	91.9	94.4	35.9	6.4	35.9	100.0	100.0	100.0	100.0	100.0
	Bulk Tail	406.24	81.7	0.03	0.79	0.21	3.70	19.0	8.1	5.6	7.4	7.4	35.4	96.9	3.1	48.1	51.9	79.3
3	Pb Conc	57.52	11.5	0.32	61.07	11.97	3.04	28.6	89.1	4.8	28.5	28.5	100.0	100.0	100.0	100.0	100.0	100.0
	Zn Conc	34.34	6.9	0.98	3.27	21.63	19.50	52.4	2.8	49.0	28.5	64.6	100.0	100.0	100.0	100.0	100.0	100.0
	Crude Ore	498.59	100.0	0.09	7.91	3.05	4.67	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	Bulk Conc	90.54	18.1	0.34	38.46	15.85	8.18	71.4	88.2	94.4	31.8	6.8	31.8	100.0	100.0	100.0	100.0	100.0
4	Bulk Tail	408.05	81.9	0.03	1.13	0.21	3.89	28.6	11.7	5.6	68.2	7.3	7.3	97.1	2.9	47.5	52.5	78.5
	Pb Conc	55.94	11.2	0.04	60.45	12.19	2.87	5.2	85.7	4.8	5.9	5.9	92.7	7.3	47.5	52.5	78.5	78.5
	Zn Conc	34.60	6.9	0.82	2.92	21.78	16.76	66.2	2.8	49.0	24.9	66.2	100.0	100.0	100.0	100.0	100.0	100.0
	Crude Ore	496.96	100.1	0.10	7.82	3.07	4.80	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
5	Bulk Conc	89.20	18.0	0.41	39.43	16.20	9.28	75.1	90.5	94.7	34.7	7.3	7.3	97.1	2.9	47.5	52.5	78.5
	Bulk Tail	407.76	82.1	0.03	0.91	0.20	3.82	24.9	9.5	5.3	65.3	7.3	7.3	97.1	2.9	47.5	52.5	78.5
	Pb Conc	50.53	10.2	0.15	67.59	4.54	1.83	15.4	88.0	15.0	3.9	3.9	20.5	97.2	2.8	15.9	84.1	88.5
	Zn Conc	38.62	7.8	0.76	2.55	31.46	19.03	59.7	2.5	79.7	30.8	30.8	100.0	100.0	100.0	100.0	100.0	100.0
6	Crude Ore	497.61	100.1	0.09	7.82	3.07	4.66	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	Bulk Conc	87.08	17.5	0.41	39.24	16.45	8.65	81.2	87.8	93.8	32.5	6.2	6.2	96.9	3.1	80.0	80.0	90.0
	Bulk Tail	410.53	82.6	0.02	1.16	0.23	3.81	18.3	12.2	6.2	67.5	16.4	16.4	96.9	3.1	80.0	80.0	90.0
	Pb Conc	48.56	9.8	0.58	68.18	5.90	1.55	13.3	85.1	2.7	75.0	29.3	83.6	100.0	100.0	100.0	100.0	100.0
7	Zn Conc	38.52	7.7	0.77	2.75	29.76	17.61	67.9	2.7	75.0	29.3	83.6	100.0	100.0	100.0	100.0	100.0	100.0
	Crude Ore	496.91	100.1	0.10	8.03	3.47	4.40	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	Bulk Conc	94.45	19.0	0.40	38.06	17.36	7.41	75.8	90.1	95.1	32.1	6.2	6.2	96.9	3.1	80.0	80.0	90.0
	Bulk Tail	402.46	81.1	0.03	0.98	0.21	3.69	24.4	9.9	4.9	67.9	16.4	16.4	96.9	3.1	80.0	80.0	90.0
8	Pb Conc	59.38	11.9	0.18	58.91	12.84	3.63	21.8	87.7	44.2	9.9	9.9	28.6	97.3	2.7	46.5	53.5	69.2
	Zn Conc	35.07	7.1	0.76	2.77	25.02	13.81	54.0	2.4	50.9	22.2	71.4	100.0	100.0	100.0	100.0	100.0	100.0
	Crude Ore	497.35	100.0	0.10	7.45	3.11	4.60	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	Bulk Conc	90.52	18.2	0.43	36.84	16.13	8.60	75.9	90.0	94.5	34.1	6.2	6.2	96.9	3.1	80.0	80.0	90.0
9	Bulk Tail	406.83	81.8	0.03	0.91	0.21	3.71	24.1	10.0	5.5	65.9	7.3	7.3	97.0	3.0	50.9	50.9	81.9
	Pb Conc	52.82	10.6	0.08	61.24	10.81	2.67	8.3	87.3	36.9	6.2	6.2	11.0	97.0	3.0	50.9	50.9	81.9
	Zn Conc	37.70	7.6	0.91	2.65	23.59	16.90	67.6	2.7	57.6	27.9	27.9	89.0	100.0	100.0	100.0	100.0	100.0
	Crude Ore	498.17	100.2	0.13	7.80	3.13	4.81	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
9	Bulk Conc	91.73	18.5	0.57	37.57	15.94	8.88	81.2	88.7	93.7	34.0	6.2	6.2	95.0	5.0	69.4	69.4	87.9
	Bulk Tail	406.44	81.7	0.03	1.08	0.24	3.89	18.3	11.3	6.3	66.0	7.3	7.3	95.0	5.0	69.4	69.4	87.9
	Pb Conc	50.62	10.2	0.47	64.68	8.84	1.95	36.7	84.3	28.7	4.1	4.1	45.3	95.0	5.0	69.4	69.4	87.9
	Zn Conc	41.11	8.3	0.70	4.19	24.69	17.42	44.5	4.4	65.0	29.9	29.9	89.0	100.0	100.0	100.0	100.0	100.0
9	Crude Ore	496.85	100.1	0.11	7.68	3.14	4.72	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	Bulk Conc	90.14	18.1	0.49	38.36	16.54	8.32	78.4	90.6	95.6	32.0	6.2	6.2	95.0	5.0	69.4	69.4	87.9
	Bulk Tail	406.71	82.0	0.03	0.88	0.17	3.92	21.6	9.4	4.4	68.0	7.3	7.3	97.2	2.8	10.9	10.9	7.8
	Pb Conc	48.76	9.8	0.18	68.92	3.33	1.20	15.5	88.1	10.4	2.5	2.5	19.8	97.2	2.8	10.9	10.9	7.8
9	Zn Conc	41.38	8.3	0.86	2.34	32.11	16.72	62.9	2.5	85.2	29.5	29.5	80.2	2.8	89.1	89.1	92.2	92.2

Apx. 29 Results of Basic Flotation Test(Pb-Zn Flotation in Bulk Differential Flotation)

Test No.	Type	Weight (g)	Weight (%)	Grade				Distribution			
				Cu	Pb	Zn	Fe	Cu	Pb	Zn	Fe
1	Crude Ore	497.58	100.0	0.14	7.09	3.00	4.53	100.0%	100.0%	100.0%	100.0%
	Pb Conc	59.07	11.9	0.64	43.11	18.03	2.98	55.8%	72.1%	71.3%	7.9%
	Tailing	438.51	88.1	0.07	2.24	0.98	4.74	44.2%	27.9%	28.7%	92.1%
2	Crude Ore	497.34	100.0	0.13	6.99	3.02	4.64	100.0%	100.0%	100.0%	100.0%
	Pb Conc	61.00	12.2	0.63	42.87	17.50	2.75	57.2%	75.2%	71.2%	7.3%
	Tailing	436.34	87.8	0.07	1.98	0.99	4.91	42.8%	24.8%	28.8%	92.7%
3	Crude Ore	497.76	100.0	0.13	7.12	3.17	4.67	100.0%	100.0%	100.0%	100.0%
	Pb Conc	54.91	11.1	0.67	51.96	12.24	2.11	55.9%	80.5%	42.5%	5.0%
	Tailing	442.85	88.9	0.07	1.56	2.05	4.99	44.1%	19.5%	57.5%	95.0%
4	Crude Ore	497.99	100.0	0.13	6.86	3.03	4.50	100.0%	100.0%	100.0%	100.0%
	Pb Conc	69.74	13.9	0.58	40.19	17.97	3.55	63.7%	82.0%	83.1%	11.0%
	Tailing	428.25	86.1	0.05	1.44	0.60	4.65	36.3%	18.0%	16.9%	89.0%
5	Crude Ore	495.22	100.0	0.14	6.33	3.10	4.61	100.0%	100.0%	100.0%	100.0%
	Pb Conc	67.54	13.6	0.64	37.28	18.61	3.33	64.4%	80.2%	81.7%	9.9%
	Tailing	427.68	86.4	0.06	1.45	0.65	4.81	35.6%	19.8%	18.3%	90.1%
6	Crude Ore	497.30	100.0	0.13	7.25	3.14	4.66	100.0%	100.0%	100.0%	100.0%
	Pb Conc	60.46	12.1	0.68	51.80	14.91	2.28	65.7%	86.8%	57.7%	5.9%
	Tailing	436.84	87.9	0.05	1.09	1.51	4.99	34.3%	13.2%	42.3%	94.1%
7	Crude Ore	497.61	100.0	0.12	6.84	3.09	4.60	100.0%	100.0%	100.0%	100.0%
	Pb Conc	74.23	14.9	0.59	40.20	18.51	4.04	70.0%	87.7%	89.3%	13.1%
	Tailing	423.38	85.1	0.04	0.99	0.39	4.70	30.0%	12.3%	10.7%	86.9%
8	Crude Ore	499.74	100.0	0.14	7.08	3.13	4.26	100.0%	100.0%	100.0%	100.0%
	Pb Conc	66.47	13.3	0.59	44.12	18.55	2.98	57.4%	82.9%	78.8%	9.4%
	Tailing	433.27	86.7	0.07	1.40	0.77	4.46	42.6%	17.1%	21.2%	90.6%
9	Crude Ore	496.48	100.0	0.13	6.85	3.16	4.66	100.0%	100.0%	100.0%	100.0%
	Pb Conc	61.09	12.3	0.63	47.83	15.45	2.29	60.9%	86.0%	60.1%	6.0%
	Tailing	435.39	87.7	0.06	1.10	1.44	4.99	39.1%	14.0%	39.9%	94.0%

Apx. 30 Results of Basic Flotation Test(Pb-Flotation in Straight Differential Flotation)

Test No.	Type	Weight (g)	Weight (%)	Weight (%)	Grade					Distribution					Distribution				
					Cu	Pb	Zn	Fe	Cu	Pb	Zn	Fe	Cu	Pb	Zn	Fe	Cu	Pb	Zn
1	Crude Ore	497.00	100.0	100.0	0.14	7.09	3.00	4.53	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
	Pb Conc	65.06	13.1	100.0	0.63	45.53	14.23	2.16	58.6%	84.1%	62.0%	5.2%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
	Pb Tail	431.94	86.9	100.0	0.07	1.30	1.31	4.89	41.4%	15.9%	38.0%	93.8%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
	Zn Conc	22.93	4.6	5.3	0.73	14.16	19.18	13.81	23.9%	9.2%	29.5%	14.1%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
2	Tailing	409.01	82.3	94.7	0.03	0.58	0.31	4.39	17.5%	6.7%	8.5%	79.7%	42.3%	42.3%	22.4%	22.4%	85.0%	85.0%	
	Crude Ore	497.34	100.0	100.0	0.13	6.97	3.00	4.64	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
	Pb Conc	61.00	12.3	100.0	0.66	48.63	14.20	2.23	64.6%	85.6%	58.1%	5.9%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
	Pb Tail	436.34	87.7	100.0	0.05	1.15	1.43	4.98	35.4%	14.4%	41.9%	94.1%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
3	Zn Conc	19.29	3.9	4.4	0.71	13.80	23.14	13.40	22.0%	7.7%	29.9%	11.2%	62.1%	53.3%	71.3%	11.9%	11.9%	11.9%	
	Tailing	417.05	83.8	95.6	0.02	0.56	0.43	4.59	13.4%	6.7%	12.0%	82.9%	37.9%	46.7%	28.7%	28.7%	88.1%	88.1%	
	Crude Ore	497.76	100.0	100.0	0.13	7.12	3.17	4.67	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
	Pb Conc	62.45	12.5	100.0	0.64	44.86	13.86	2.11	60.7%	79.0%	54.9%	5.7%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
4	Pb Tail	435.31	87.5	100.0	0.06	1.70	1.64	5.04	39.3%	21.0%	45.1%	94.3%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
	Zn Conc	23.56	4.7	5.4	0.75	17.87	27.60	7.26	26.8%	11.9%	41.2%	7.4%	68.2%	56.7%	91.3%	7.8%	7.8%	7.8%	
	Tailing	411.75	82.8	94.6	0.02	0.78	0.15	4.91	12.5%	9.1%	3.9%	86.9%	31.8%	43.3%	8.7%	8.7%	92.2%	92.2%	
	Crude Ore	497.99	100.0	100.0	0.13	6.83	3.02	4.50	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
5	Pb Conc	69.74	14.0	100.0	0.58	40.19	15.00	2.08	62.9%	82.4%	69.6%	6.5%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
	Pb Tail	428.25	86.0	100.0	0.06	1.40	1.07	4.90	37.1%	17.6%	30.4%	93.5%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
	Zn Conc	19.87	4.0	4.6	0.79	15.82	17.66	13.50	24.4%	9.1%	23.3%	12.0%	65.8%	51.7%	76.8%	12.8%	12.8%	12.8%	
	Tailing	408.38	82.0	95.4	0.02	0.71	0.25	4.48	12.7%	8.5%	7.1%	81.5%	34.2%	48.3%	23.2%	23.2%	87.2%	87.2%	
6	Crude Ore	495.22	100.0	100.0	0.14	6.30	3.09	4.61	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
	Pb Conc	67.54	13.6	100.0	0.64	37.28	15.58	2.33	63.4%	80.7%	68.8%	6.9%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
	Pb Tail	427.68	86.4	100.0	0.06	1.41	1.11	4.97	36.6%	19.3%	31.2%	93.1%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
	Zn Conc	17.72	3.6	4.1	0.71	15.28	19.21	14.03	18.5%	8.7%	22.3%	10.9%	50.6%	44.9%	71.6%	11.7%	11.7%	11.7%	
7	Tailing	409.96	82.8	95.9	0.03	0.81	0.33	4.58	18.1%	10.6%	8.9%	82.2%	49.4%	55.1%	28.4%	28.4%	88.3%	88.3%	
	Crude Ore	497.30	100.0	100.0	0.13	7.22	3.13	4.66	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
	Pb Conc	60.46	12.2	100.0	0.68	51.80	14.91	2.28	64.4%	87.2%	57.9%	5.9%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
	Pb Tail	436.84	87.8	100.0	0.05	1.06	1.50	4.99	35.6%	12.8%	42.1%	94.1%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
8	Zn Conc	18.67	3.8	4.3	0.77	9.01	30.44	10.86	22.5%	4.7%	36.5%	8.7%	63.2%	36.5%	36.6%	9.3%	9.3%	9.3%	
	Tailing	418.17	84.0	95.7	0.02	0.70	0.21	4.73	13.1%	8.1%	5.6%	85.4%	36.8%	63.5%	13.4%	13.4%	90.7%	90.7%	
	Crude Ore	497.61	100.0	100.0	0.12	6.84	3.09	4.60	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
	Pb Conc	63.83	12.8	100.0	0.58	44.37	16.04	2.34	63.8%	83.2%	66.6%	6.5%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
9	Pb Tail	433.78	87.2	100.0	0.05	1.32	1.18	4.94	36.2%	16.8%	33.4%	93.5%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
	Zn Conc	26.81	5.4	6.2	0.48	6.33	18.07	18.99	22.2%	5.0%	22.8%	22.2%	61.3%	29.6%	68.3%	23.3%	23.3%	23.3%	
	Tailing	406.97	81.8	93.8	0.02	0.99	0.40	4.01	14.0%	11.8%	10.6%	71.3%	38.7%	70.4%	31.7%	31.7%	76.2%	76.2%	
	Crude Ore	499.74	100.0	100.0	0.14	7.08	3.13	4.26	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
10	Pb Conc	66.47	13.3	100.0	0.61	44.12	16.32	2.18	58.2%	82.9%	69.4%	6.8%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
	Pb Tail	433.27	86.7	100.0	0.07	1.40	1.10	4.58	41.8%	17.1%	30.6%	93.2%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
	Zn Conc	15.67	3.1	3.6	1.06	17.81	22.80	10.51	23.8%	7.9%	22.9%	7.7%	57.0%	45.1%	74.7%	8.3%	8.3%	8.3%	
	Tailing	417.60	83.6	96.4	0.03	0.75	0.29	4.36	18.0%	9.2%	7.7%	85.5%	43.0%	53.9%	25.3%	25.3%	91.7%	91.7%	
11	Crude Ore	496.48	100.0	100.0	0.13	6.82	3.15	4.66	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
	Pb Conc	61.09	12.3	100.0	0.63	47.83	15.45	2.29	60.3%	86.3%	60.3%	6.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
	Pb Tail	435.39	87.7	100.0	0.06	1.07	1.43	4.99	39.7%	13.7%	39.7%	94.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
	Zn Conc	18.58	3.7	4.3	0.69	6.60	27.59	15.79	20.1%	3.6%	32.8%	12.7%	50.6%	26.4%	82.5%	13.5%	13.5%	13.5%	
12	Tailing	416.81	84.0	95.7	0.03	0.82	0.26	4.51	19.6%	10.1%	6.9%	81.3%	49.4%	73.6%	17.5%	17.5%	86.5%	86.5%	

Apx. 31 Results of Basic Flotation Test (Zn-Flotation in Straight Differential Flotation)

Item	Equipment	Maker	Model	Specification
Sample Preparation	Sample breaker	Otsuka	R-52	125mmL x 50mmW
	Sample grinder	Otsuka	AG-6	135mm ϕ
	Screen	San-el	501	500mm ϕ
Mineral Dressing Test	Apparatus of Work Index	Ogawa	OSK141	Hardgrove method
	Sieve shaker	Teraoka	S-1	Lo-tap type
	Sieve shaker	Seishin	200	Vibration type
	Ball mill	Kyokuto	B-1	153mm ϕ x 174mmL
	Flotation machine	Ohta machinery	MS	500g/batch
	Flotation machine	Ohta machinery	MS	150g/batch
Analysis Instruments	Atomic Absorption Spectrometer	Shimazu	AA-660	
	Emission Spectrometer	Seikou	SPS-1100H	
	X-Ray Fluorescence Spectrometer	Rigaku	3270	
	X-Ray Diffractometer	Rigaku	D/max-III	
Mineralogical study	Diamond cutter	Maruto	MC-4290	
	Polishing machine	Marumoto	5627-62	
	Lapping machine	Marumoto	T-62	
	Reflecting microscope	Olympus	BHM	
	Camera	Olympus	PM104A	

Apx.32 Equipment List for Mineral Dressing Test



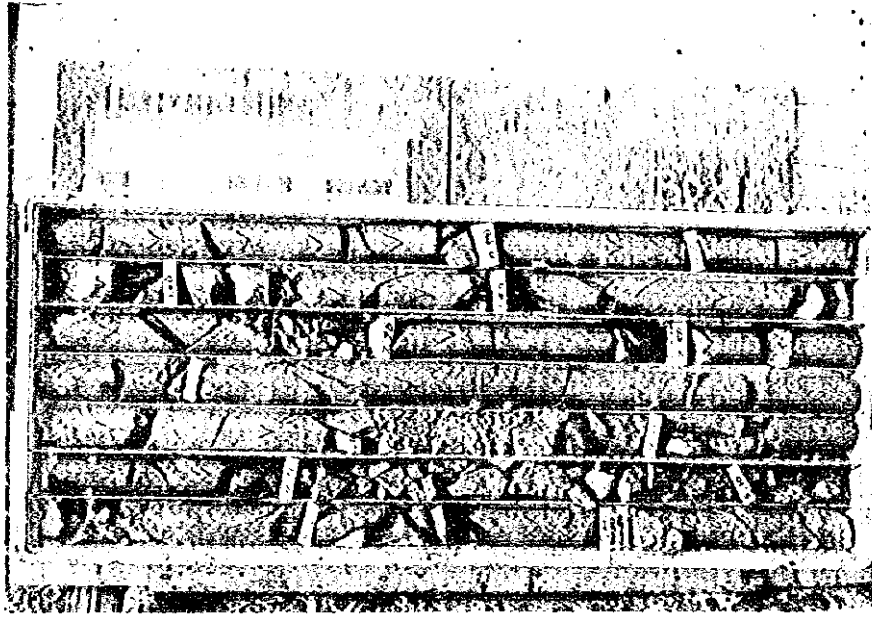
Photographs of
Diamond Drilling
Core



MJMT-15

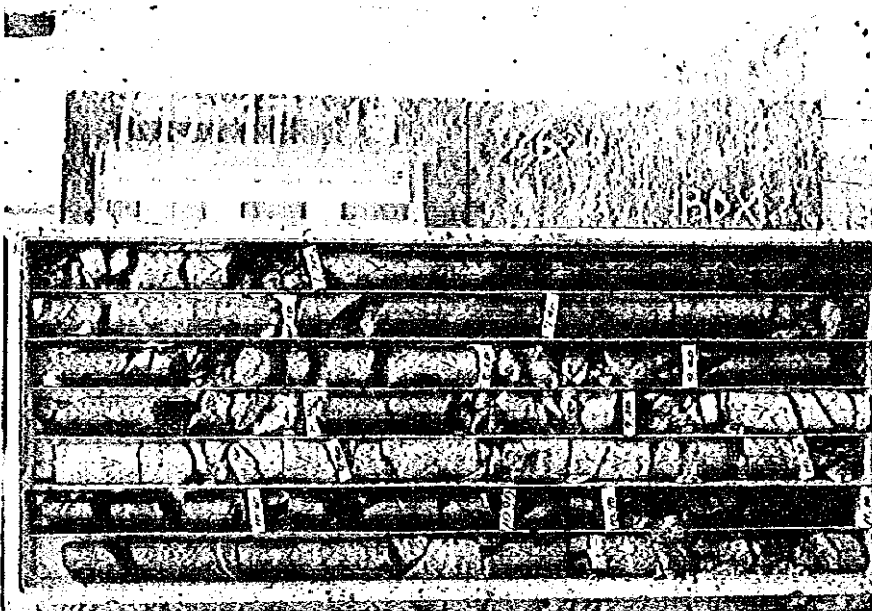
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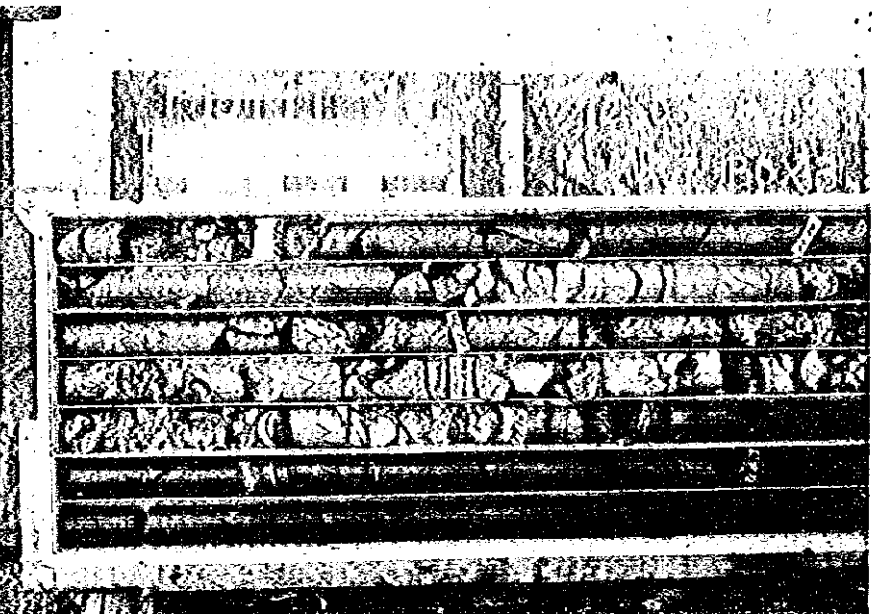
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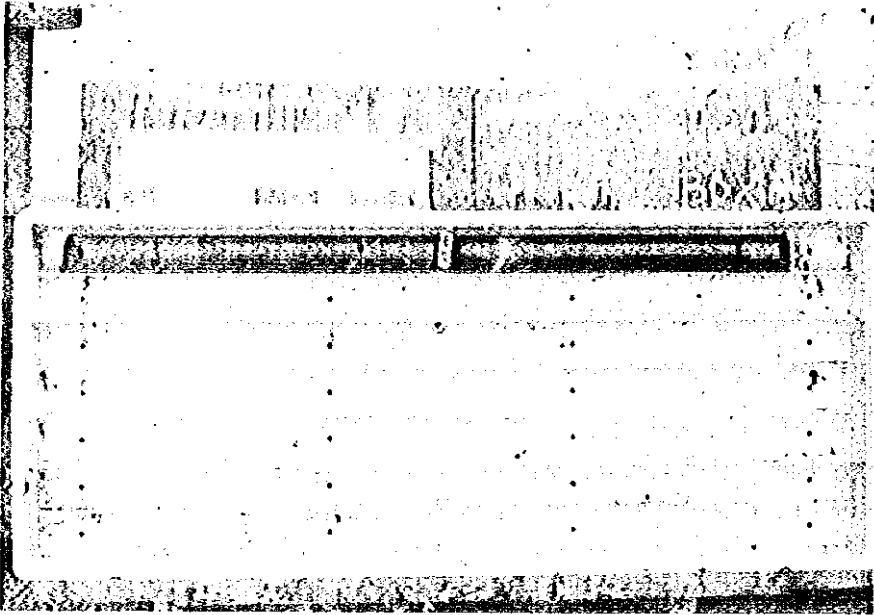
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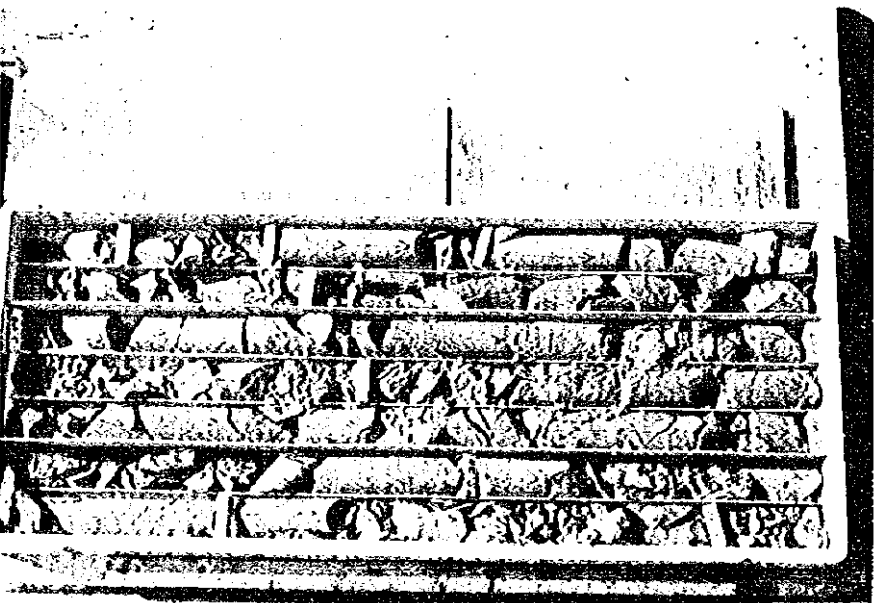
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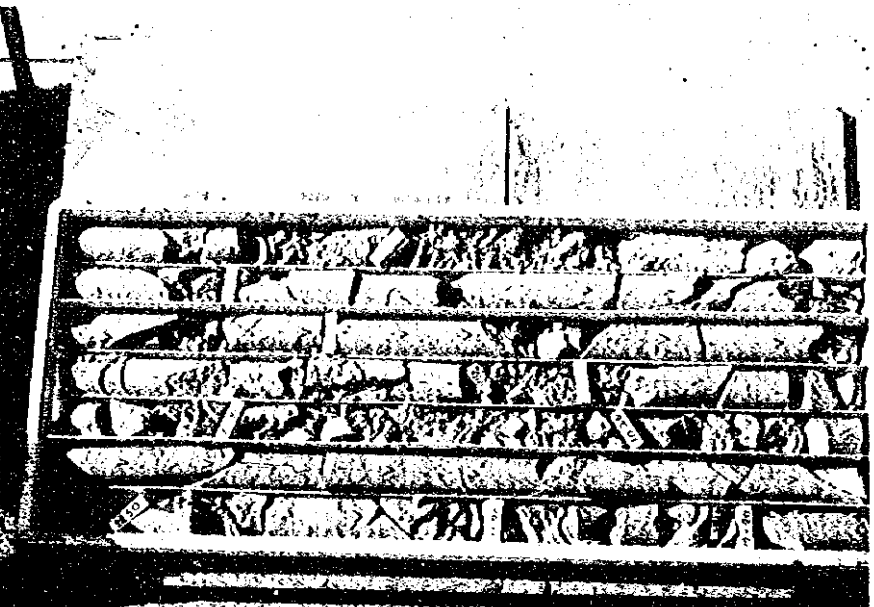
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MJMT-16

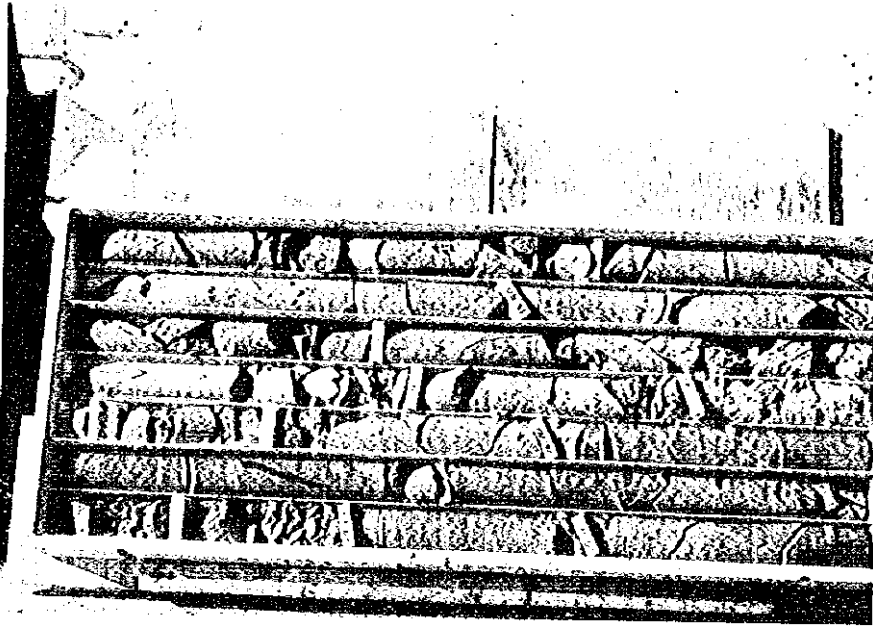
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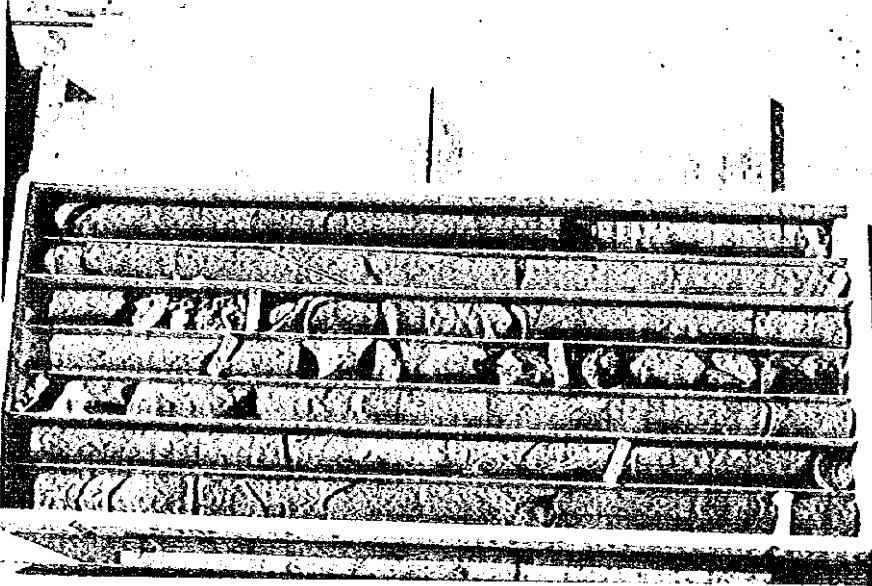


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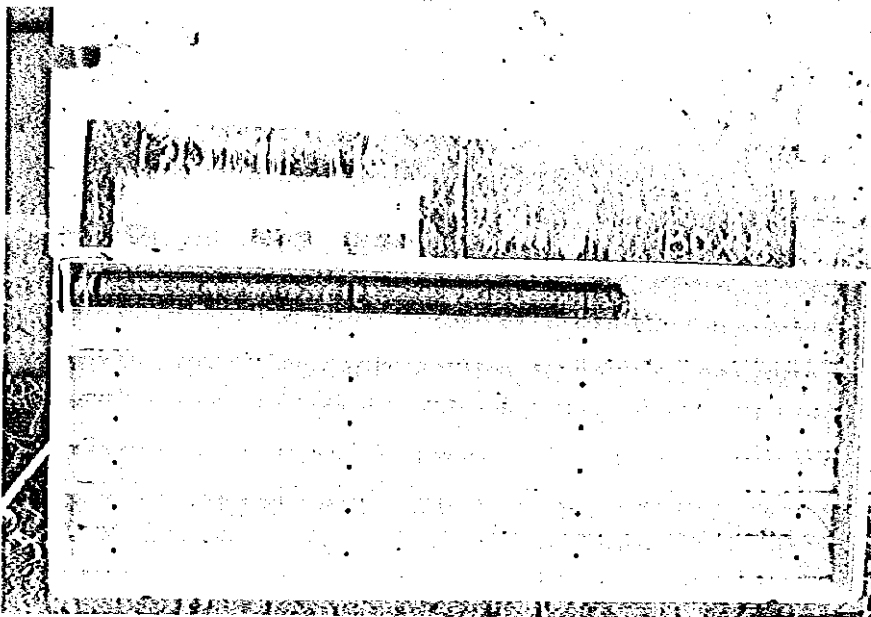
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~19.00m
~24.70m~



~25.70m

MJMT-17

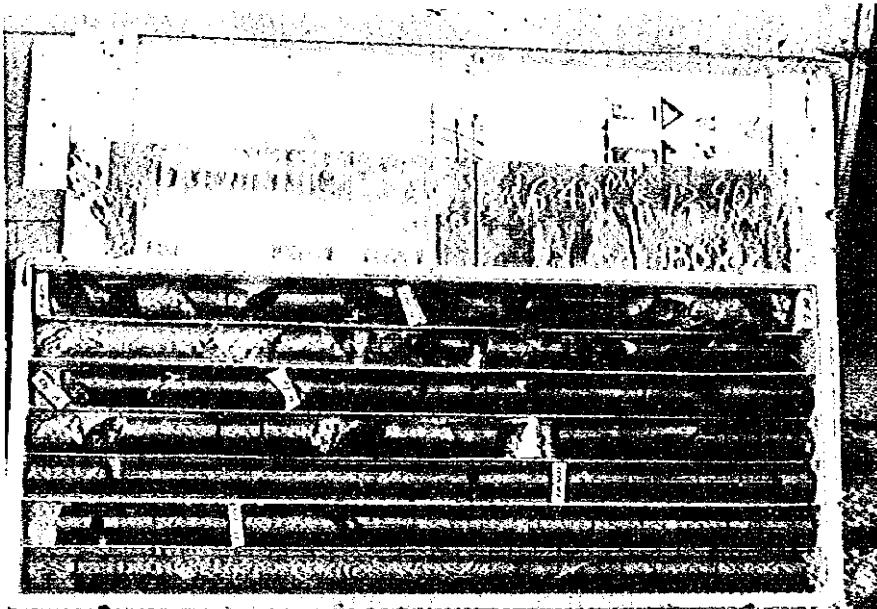
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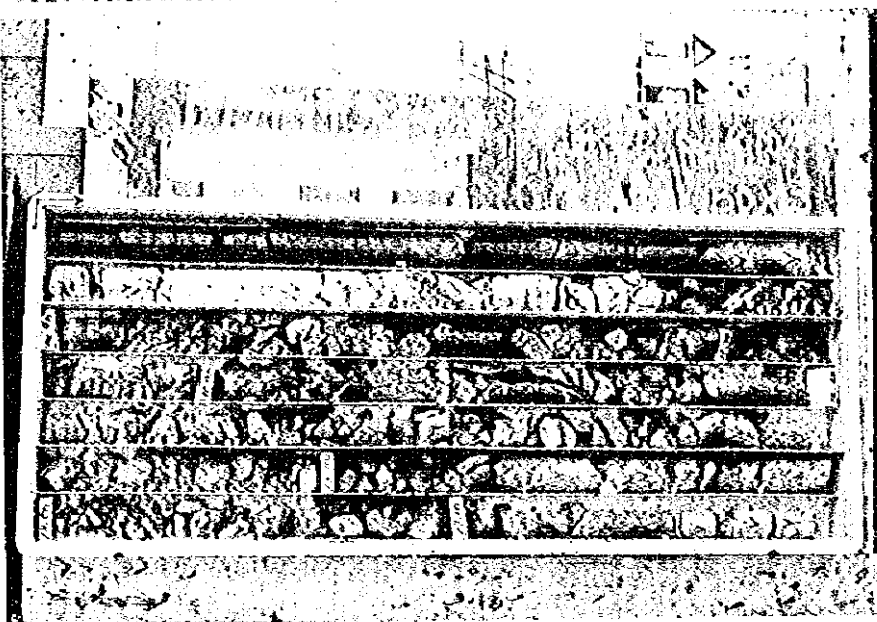
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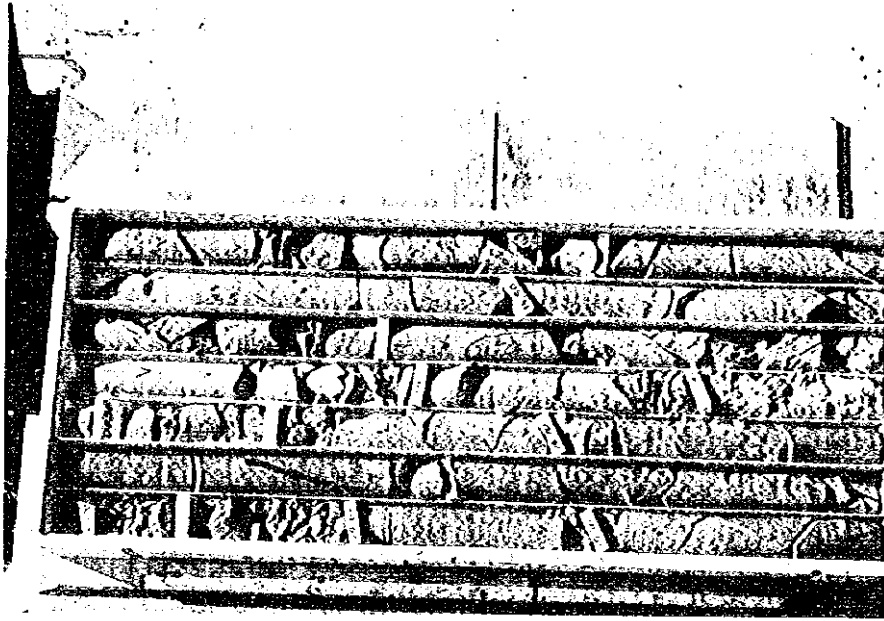
~12.90m~



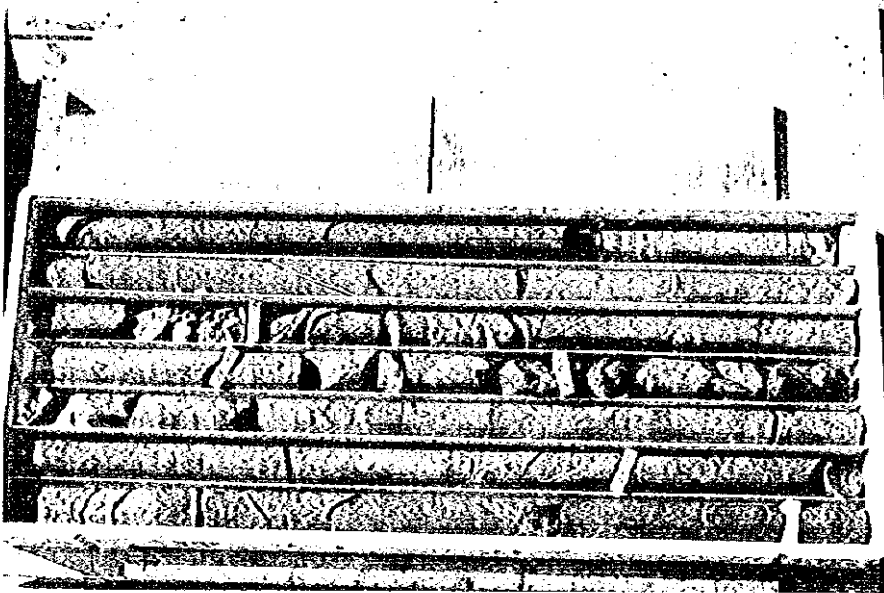
~14.50m

~19.10m~

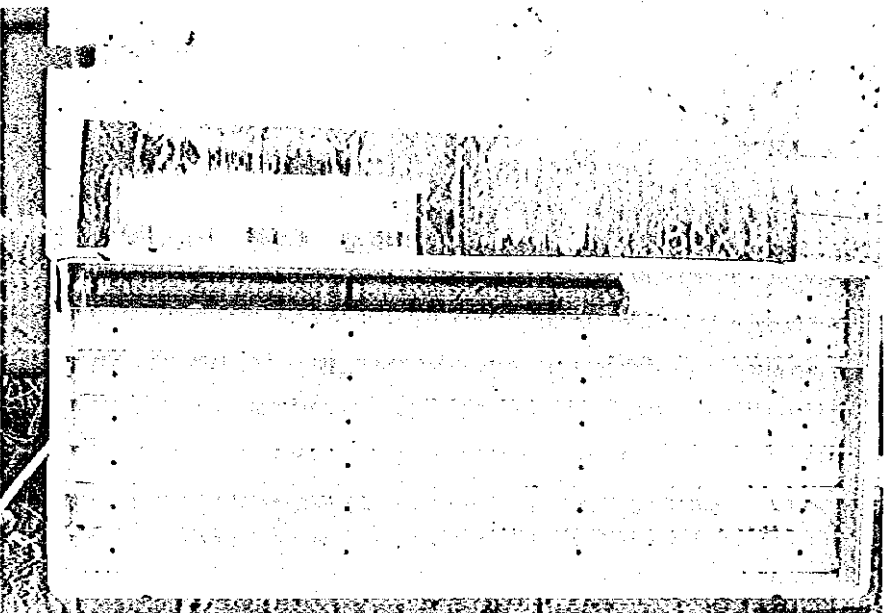




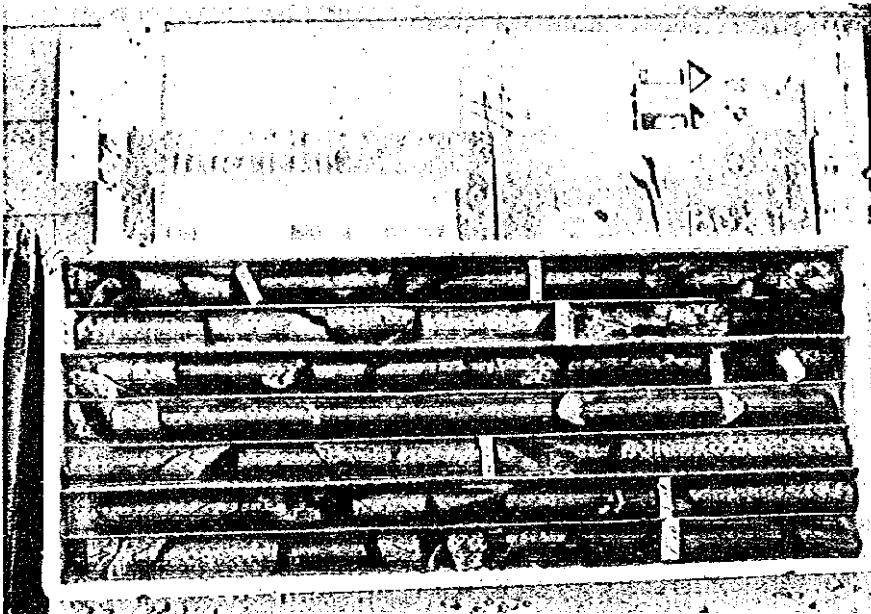
~12.80m
~18.00m~



~19.00m
~24.70m~



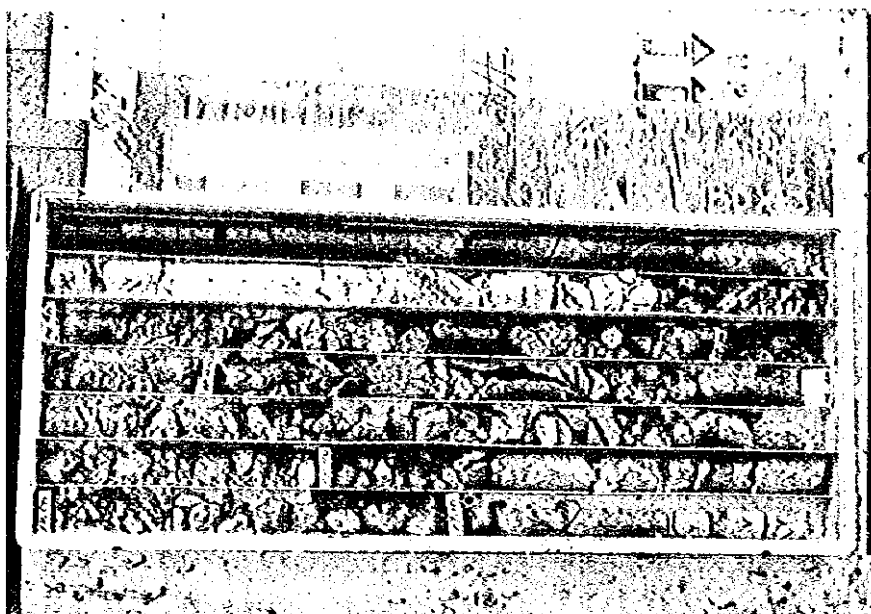
~25.70m



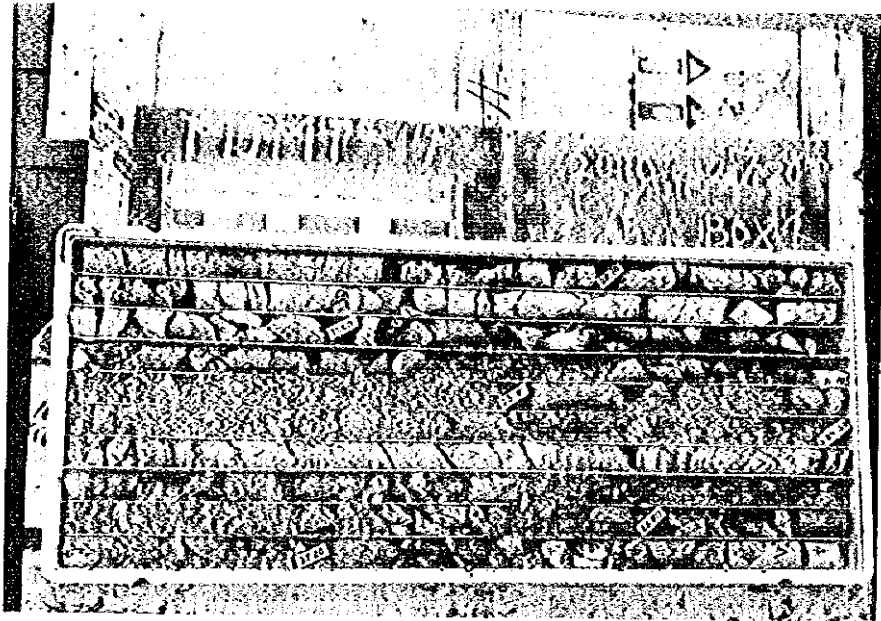
MJMT-17
0.00m
~6.20m~



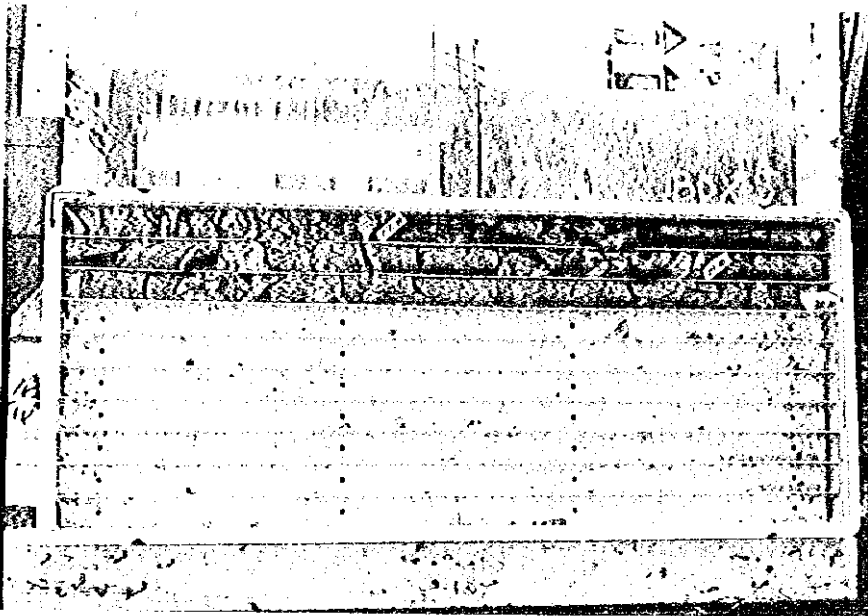
~6.40m
~12.90m~



~14.50m
~19.10m~



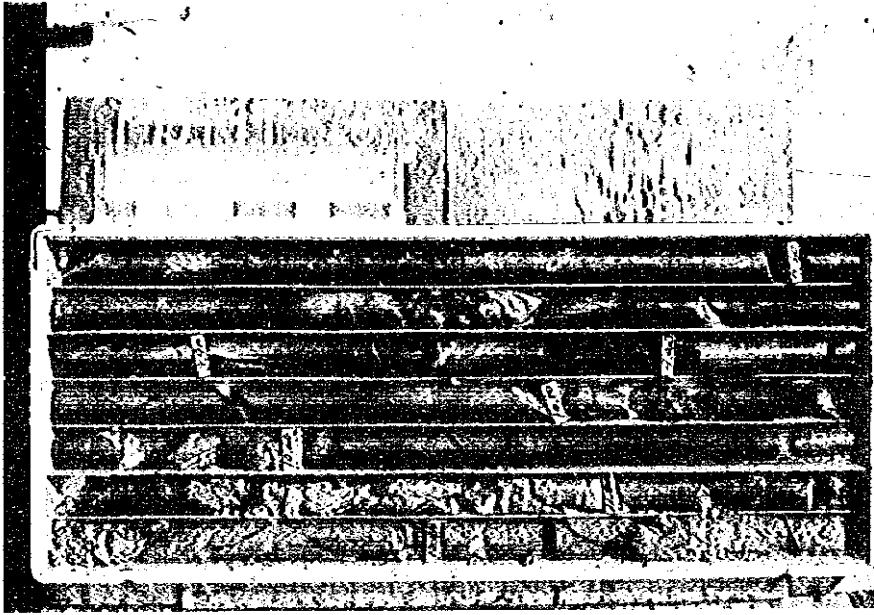
~20.10m
~27.20m~



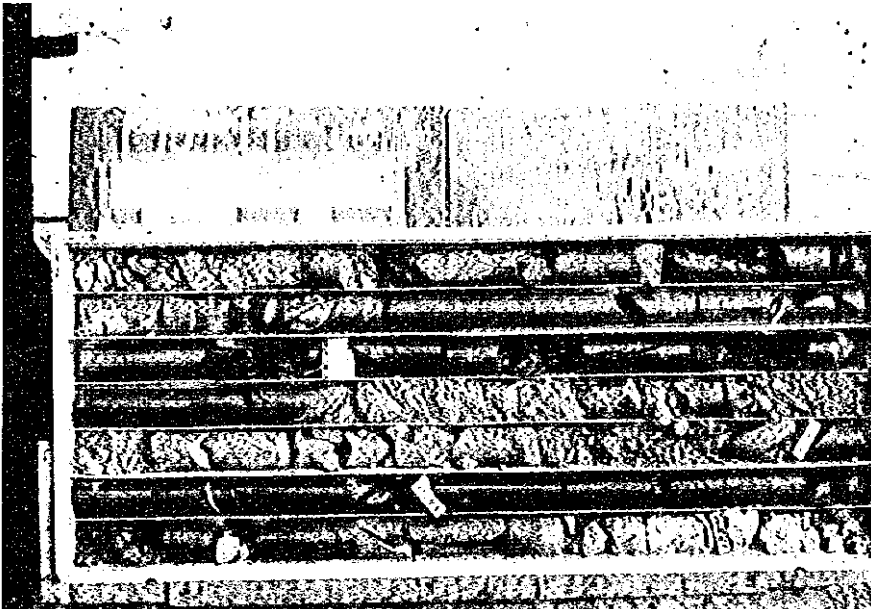
~27.90m
~30.10m



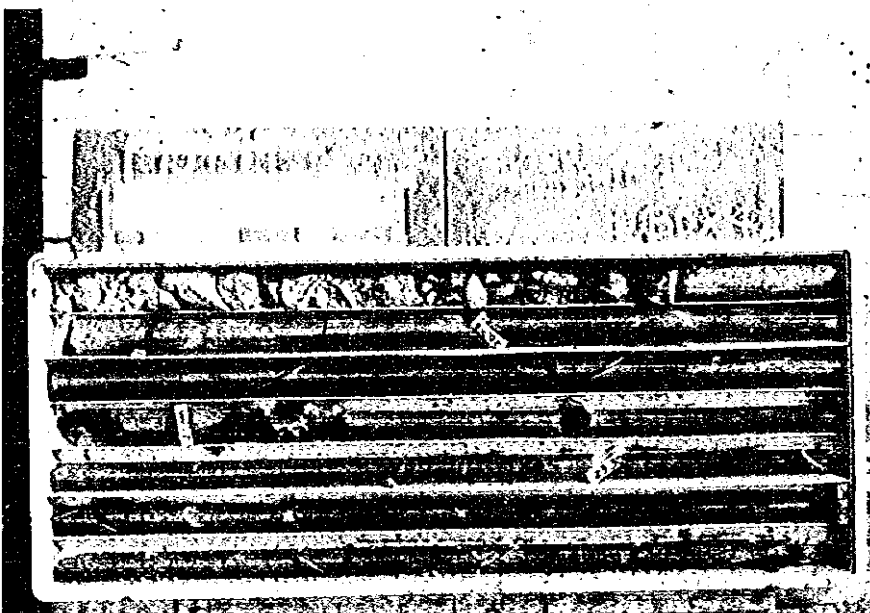
MJMT-18
0.00m
~6.10m~



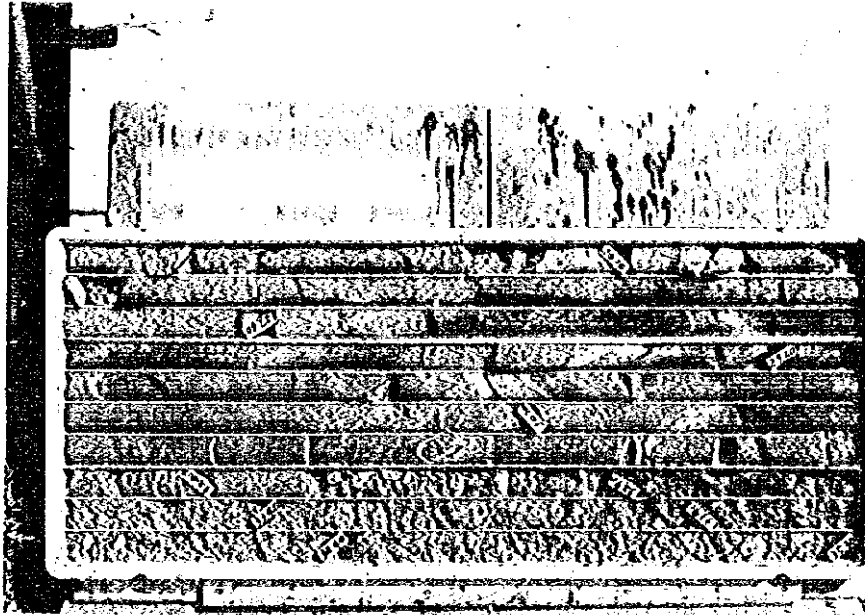
~7.60m
~12.40m~



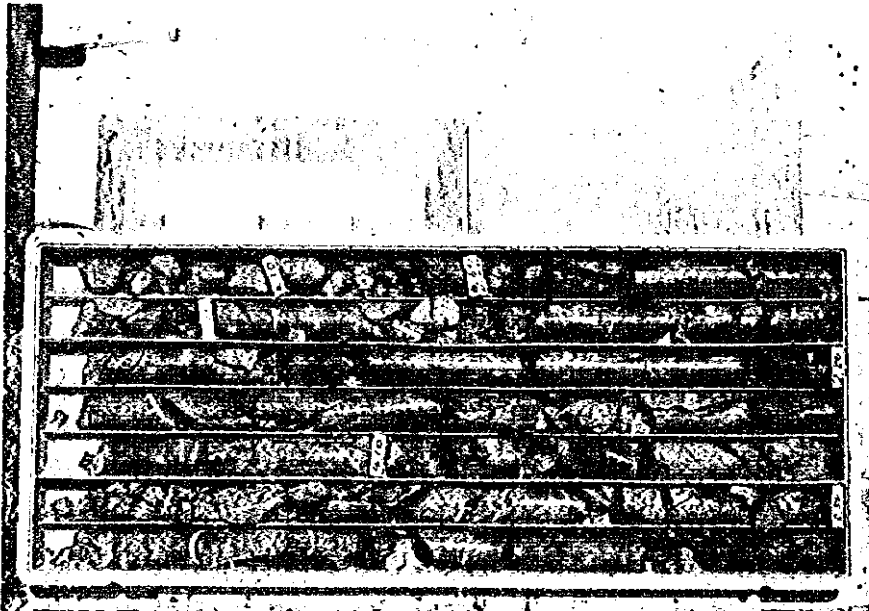
~13.60m
~18.80m~



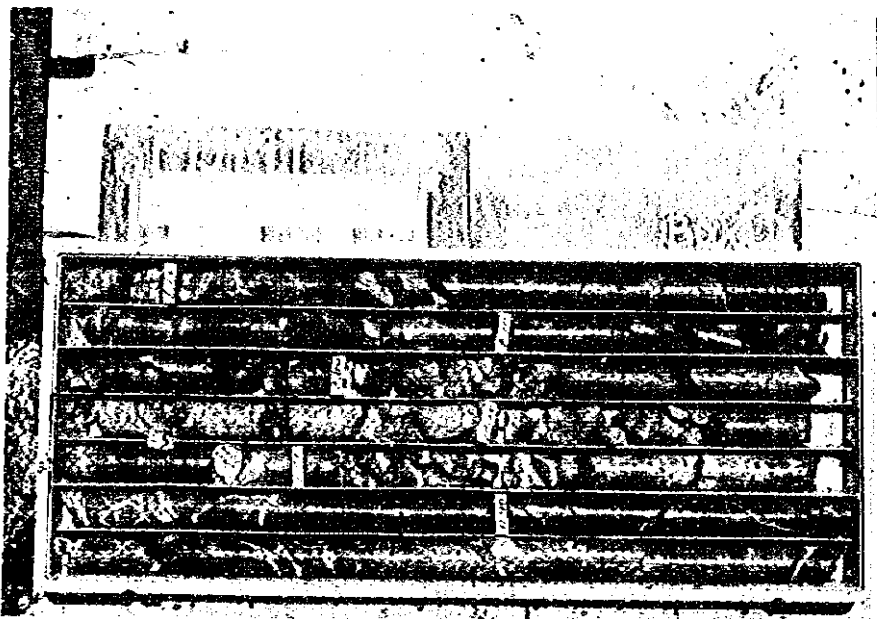
~20.30m
~24.50m~



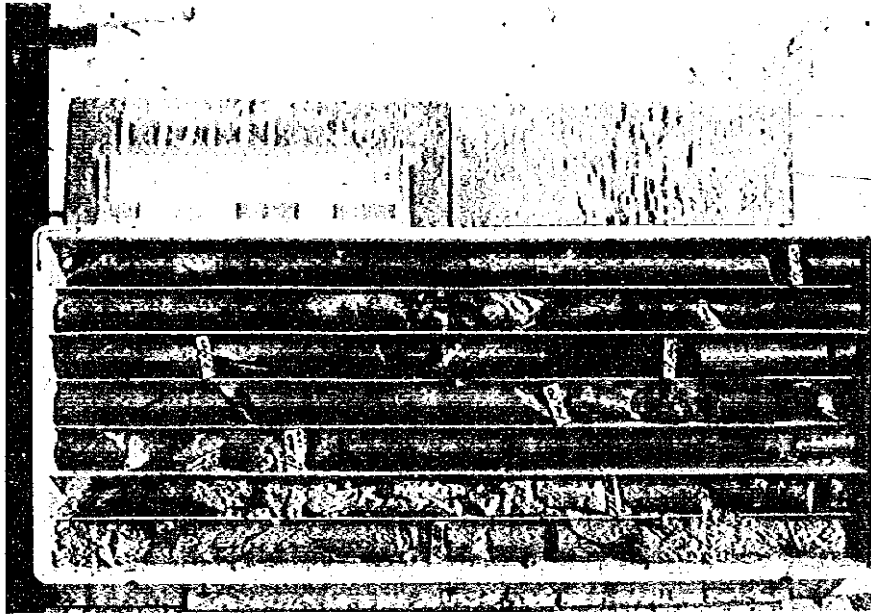
~26. 10m
~35. 30m



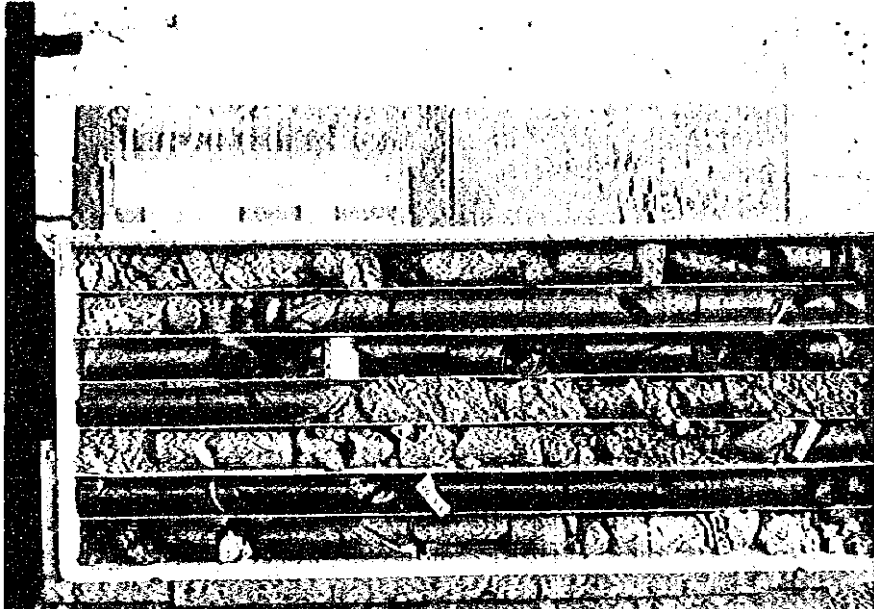
MJMT-19
0. 00m
~5. 50m~



~6. 60m
~12. 90m~



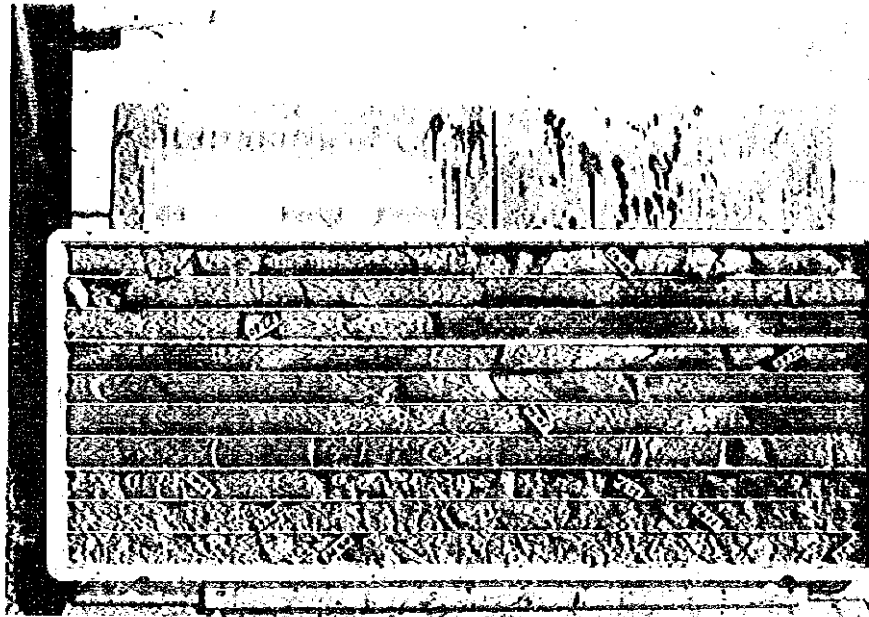
~7.60m
~12.40m~



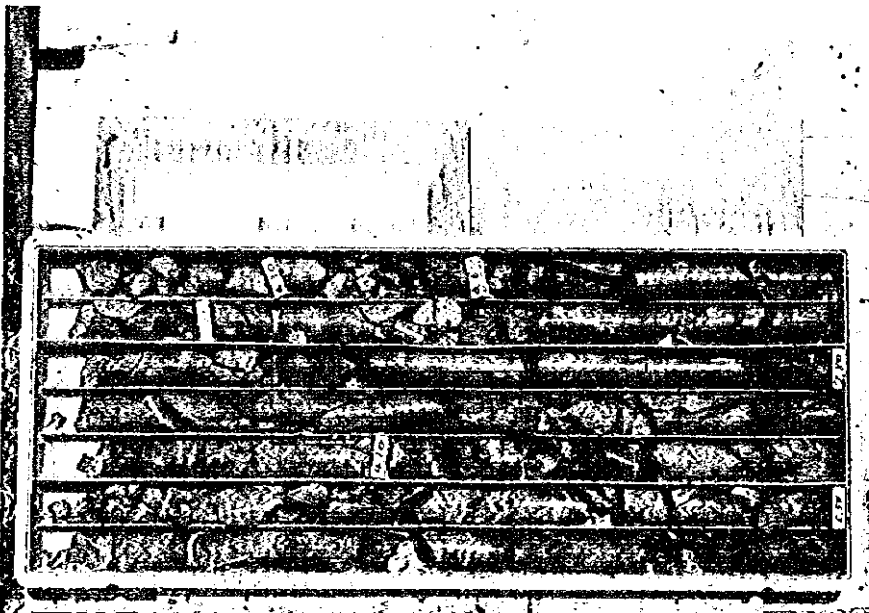
~13.60m
~18.80m~



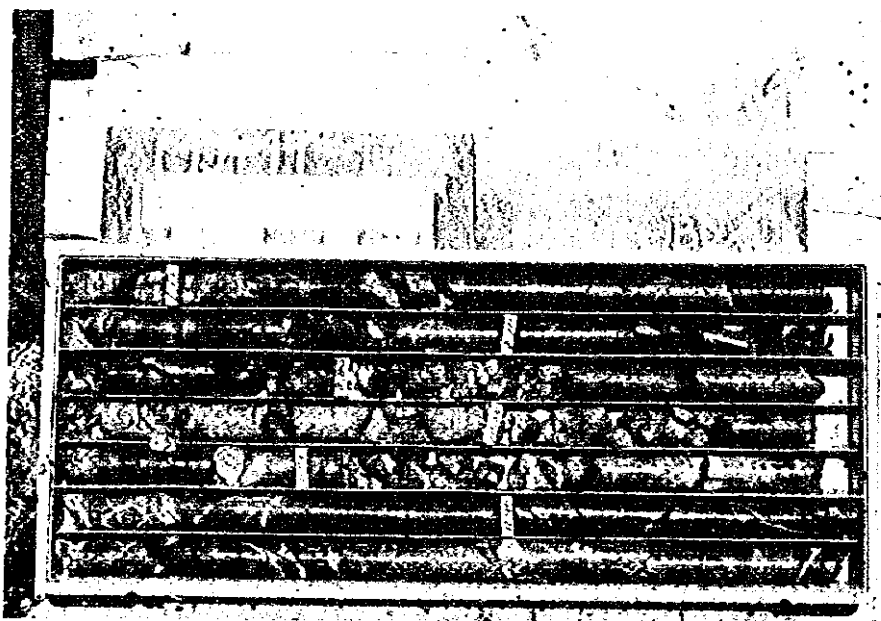
~20.30m
~24.50m~



~26.10m
~35.30m



MJMT-19
0.00m
~5.50m~



~6.60m
~12.90m~