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Northern Gem
925/15

JUL 10 1985

X-RAY ASSAY LABORATORIES LIMITED

1885 LESLIE STREET, DON MILLS, ONTARIO

M3B 3J4

PHONE 416-445-5755

TELEX 06-986947

CERTIFICATE OF ANALYSIS

TO: NORANDA EXPLORATION COMPANY LIMITED
ATTN: J. ELIZABETH CLEMSON
55 YONGE STREET, SUITE 400
TORONTO, ONTARIO
M5E 1J4

CUSTOMER NO. 444

DATE SUBMITTED
4-JUL-85

REPORT 24638

REF. FILE 20395-PH


2 PULPS ON HAND WO#20308

WERE ANALYSED AS FOLLOWS:

	METHOD	DETECTION LIMIT
LA PPM	XRF-G	20.000
CE PPM	XRF-G	20.000
ND PPM	XRF-G	20.000
SM PPM	XRF-G	20.000

DATE 05-JUL-85

X-RAY ASSAY LABORATORIES LIMITED

CERTIFIED BY 

SAMPLE	LA PPM	CE PPM	ND PPM	SM PPM
GM-1	10000	17000	3200	300
GM-2	23000	55000	6700	500
GM-3	20	31,200	450	420

Semi-quantitative XRF analyses

± 30% error

- best method for very small REE is NAA
- for samples with large quantities of REE (> 5,000 ppm) should go to an assay. This is done by XRF on a fused disk. The samples are diluted considerably. (I optoback - XRF ASSAY)

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GM-2	23000	55000	6700	500