



42A11SE0006 2.5949 MATHESON

010

REVERSE CIRCULATION DRILLING  
MATHESON TOWNSHIP  
CLAIM #585548 to 585551 INCLUSIVE  
NTS 42A10 PROJECT #82

RECEIVED  
OCT 27 1983  
MINING LANDS

OCTOBER 14, 1983

Qual 2.2817  
CARY C. MCLEOD



42A11SE0006 2.5949 MATHESON

010C

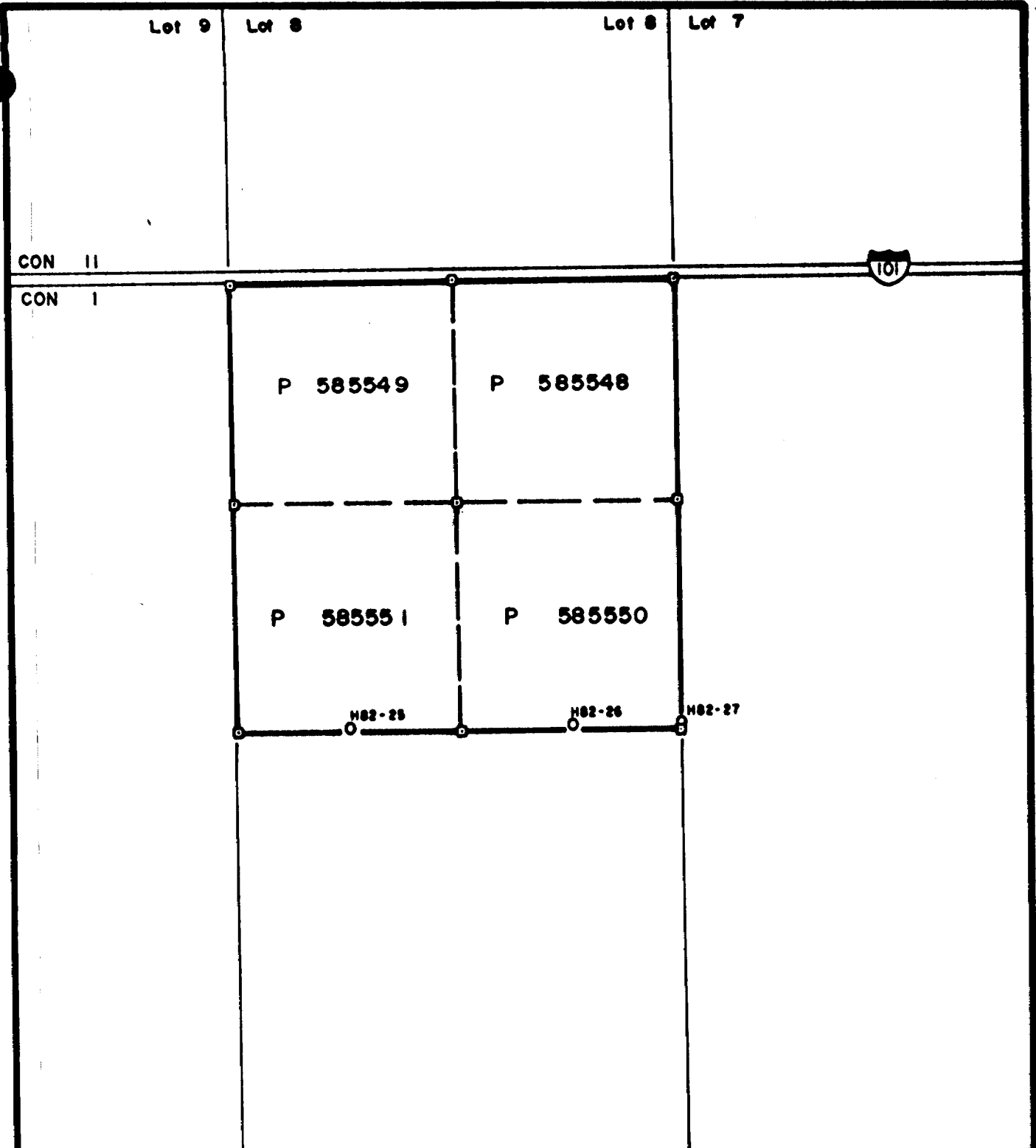
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SUMMARY OF WORK

Total footage drilled during invoice period -		
May 16 to 31, 1982	1955 feet	
 Total cost of drilling as per invoices -		
May 16 to 31, 1982	\$25,316.67	
 Cost per foot - May 16 to 31, 1982	\$12.95/ft.	
 Total Footage submitted - May 16 to 31, 1982	258 feet	
 Cost of Supervisor plus Sampler	\$175.00/day	
 1) Cost of Reverse Circulation Stripping Claimed		
258 ft. x \$12.95 per ft.	\$ 3,341.10	
 2) Cost of Supervisor and Sampler - May 26 and 27		
for 2 days @ \$175.00 per day	\$ 350.00	
		TOTAL CLAIM \$ 3,691.10

Days claimed at \$15.00/day = 240



MATHESON Twp.

CODY Twp.

<b>KIDD CREEK MINES LTD.</b>		
Exploration Division		Timmins, ONTARIO
MATHESON 13 MATHESON Twp.		
<b>OVERBURDEN DRILL HOLES LOCATION</b>		
SCALE :	1 : 10,000	Date: Der Weduwen
Drawn: DEL	Project N <sup>o</sup> : 82	Date: 12/ 10/ 83

## REPORT ON OVERBURDEN SAMPLING

### General Statement

During the summer of 1982 Bradley Bros. Limited, was contracted to carry out Reverse Circulation Drilling. During the contract period of May 16th to May 31st, and specifically on May 26th and 27th, they drilled 3 holes herein reported in Matheson Township.

The equipment consists of a Longyear 38 drill mounted on a Flextrac FN160 with a three hundred gallon water storage tank and a 125 cubic foot/minute compressor.

The water or a mixture of water and air is pumped down the outer tube of the drill rods and returns up the inner tube with the sample. The samples are collected in five gallon pails. The sample interval is determined by the supervisor logging the stratigraphy.

### Depth Measuring Procedure

A hole is started by piecing together a 30 foot length of drill rods, which when in place has the tri-cone bit resting on the ground surface and the top, where the swivel is attached, is at the top of the tower. When this first length of rods is drilled into the ground to it's full extent, 10 feet of rod is still above ground and 20 feet of rod is measured in the ground. This procedure is continued until 5 feet of bedrock has been drilled. As the rods pass through the different stratigraphic horizons the footage is noted. The footage is easily noted by counting the number of

20 foot sections added and by noting the position of the rods on the tower which has footage markers every two feet. Metric conversions on the logs are carried out at the office.

Sample Collecting Procedure

A five gallon pail is placed under the return hose with a mesh screen on top. The return is constantly examined to determine the type of material, organic, clay, varved clay, silty clay, sand, gravel, basal-till, boulder, or bedrock.

As each horizon is reached the sample bucket is changed and depending on the type of sample it is either discarded or placed in a heavy plastic bag for treatment in the laboratory. Sample interval is decided by the supervisor on the drill and is usually at 5 to 10 foot intervals when in the same material or at odd intervals when there is a stratigraphic change.

*Handwritten signature: Larry D. Hood*

# REVERSE CIRCULATION DRILL HOLE LOG

DATE May 26 1986 HOLE NO H82-25 LOCATION Matheson B. L2E BLO  
 GEOLOGIST SNPW DRILLER Fowal BIT NO 8140 BIT FOOTAGE 68.6-102.4  
 MOVE TO HOLE 8:00-8:30  
 SHIFT HOURS \_\_\_\_\_ TO \_\_\_\_\_  
 CRILL 9-10:30, 10:50-11:00  
 TOTAL HOURS \_\_\_\_\_ MECHANICAL DOWN TIME 8:30-9:00 fix water pump  
 DRILLING PROBLEMS 10:30-10:50  
 CONTRACT HOURS \_\_\_\_\_ OTHER \_\_\_\_\_  
 MOVE TO NEXT HOLE \_\_\_\_\_

GRAV. LOG	SAMPLE NO	DESCRIPTIVE LOG	AU	NI	CU	ZN	AG	PB	OTHER
			PPB	PPM	PPM	PPM	PPM	PPM	
NR A B C D E F G H I J K		Meters. 0-1.5: No return 1.5-5.5: Brown-grey silty-sand till. <5% chips. Loose to moderately compact. 80% mafics, 20% felsics. at 4.3 m :- till becomes moderately compact + turns a grey colour. at 5.2 m :- till becomes more pebbly - 5-10% chips. 5.6-7.0:- Grey sandy-silt till. Very few pebbles. Uncompact. 7.0-17.7:- Fine sand 17.7-20.7:- Medium to coarse sand 20.7-30.5: Fine sand & silt 30.5-32.3: Coarse sand & gravel 80% mafics 10% sediments 10% felsics. 31.1:- thin clay seam 31.4-32.3: 90% mafics 10% felsics. 32.3-33.5: Bedrock. 33.5m E.O.H. (110 ft).							

# REVERSE CIRCULATION DRILL HOLE LOG

DATE May 26 1982 HOLE NO H 82-25 LOCATION Matheron 13, L&E BLO  
 GEOLOGIST SNOW DRILLER Fournel BIT NO \_\_\_\_\_ BIT FOOTAGE \_\_\_\_\_  
 SHIFT HOURS \_\_\_\_\_ MOVE TO HOLE \_\_\_\_\_  
 \_\_\_\_\_ TO \_\_\_\_\_ DRILL \_\_\_\_\_  
 TOTAL HOURS \_\_\_\_\_ MECHANICAL DOWN TIME \_\_\_\_\_  
 \_\_\_\_\_ DRILLING PROBLEMS \_\_\_\_\_  
 CONTRACT HOURS \_\_\_\_\_ OTHER \_\_\_\_\_  
 \_\_\_\_\_ MOVE TO NEXT HOLE \_\_\_\_\_

SAMPLE NO	DESCRIPTIVE LOG	AU	NI	CU	ZN	AG	PB
		PPB	PPM	PPM	PPM	PPM	PPM
1	BR						
2							
3							
4							
5							
6							
7							
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## REVERSE CIRCULATION DRILL HOLE LOG

DATE May 26 19 82 HOLE NO H82-26 LOCATION Mutheson 13 L 6 E, Bld 0  
 GEOLOGIST LEDWIDGE DRILLER FOURNEAU BIT NO 80137 BIT FOOTAGE 0-25.9  
 SHIFT HOURS \_\_\_\_\_ MOVE TO HOLE 11:30 - 12:00 AO140 12 1A3  
 \_\_\_\_\_ TO \_\_\_\_\_ DRILL 12:00 - 2:45  
 TOTAL HOURS \_\_\_\_\_ MECHANICAL DOWN TIME 1:00-1:45 pulling rods / 2:45-3:45 wait for water  
 CONTRACT HOURS \_\_\_\_\_ OTHER \_\_\_\_\_ DRILLING PROBLEMS reaming rods at 20M + pulling rods to replace bit.  
 \_\_\_\_\_ MOVE TO NEXT HOLE 3:45 - 4:00 H82-27 Mutheson 13, Bld 0 L 8 E

DEPTH IN METERS	GRAPHIC LOG	INTERVAL	SAMPLE NO	DESCRIPTIVE LOG	AU	NI	CU	ZN	AG	PB	Sample
					PPB	PPM	PPM	PPM	PPM	PPM	
	NR			Meters 0-1.3 No return							
				1.3-3.3 Brown oxidized clay							
				3.3-8.5 Grey silty sand fill <5% clasts (mudic) moderately compact							
		A		8.5-8.8 Gravel interbed							
				9.7-11.6 sandy silt fill more compact <1% chips							
		B		11.6-19.5 Fine grey sand							
				19.5-21.9 Poor return due to reaming and bit replacement.							
		C		21.9-22.5 Fine grey sand							
		D									
				22.5-23.2 silty sand fill with clasts - clasts 90% mudic							
		E		23.2-24.4 Gravel 90% mudic							
		F		24.4-25.9 Bedrock							
		G		25.9 EOH							
		H									
		I									
		J									
	NR										
		K									
		BR									

## REVERSE CIRCULATION DRILL HOLE LOG

DATE May 24/19 82 HOLE NO H82-27 LOCATION Matheson 13 BLO, L86  
 GEOLOGIST LEWIS DRILLER FOURNIER BIT NO B0117 BIT FOOTAGE 25.9-45.1  
 SHIFT HOURS \_\_\_\_\_ MOVE TO HOLE 3:45 - 4:00  
 \_\_\_\_\_ TO \_\_\_\_\_ DRILL 4:00 - 5:00 // 8:00 - 9:30  
 TOTAL HOURS \_\_\_\_\_ MECHANICAL DOWN TIME \_\_\_\_\_  
 \_\_\_\_\_ DRILLING PROBLEMS \_\_\_\_\_  
 CONTRACT HOURS \_\_\_\_\_ OTHER \_\_\_\_\_  
 \_\_\_\_\_ MOVE TO NEXT HOLE 9:30 - 1:00 To H82-28, Whitney 6/65 + Aubrey Road

IN METERS	GRAPHIC LOG	INTERVAL	SAMPLE NO	DESCRIPTIVE LOG	AU	NI	CU	Zn	AL	PB	SAMPLE
					PPM	PPM	PPM	PPM	PPM	PPM	
				0-1.3 No return							
				1.3-2.4 Grey clay							
				2.4-3.3 Grey silty sand till < 5% clasts (mafic) rim-compact							
		A		3.3-4.0 Same material except 50% clasts							
		B		4.0-8.5 < 5% clasts - small fill chunks to medium size clay balls							
		C		8.5-9.1 moderately compact							
		D		9.1-10.4 more silty							
				10.4-10.5 - Boulder							
		E		10.5-12.3 50% clasts 5% mafic silty sand							
		F		12.2-14.6 Sandy silt							
				14.6-15.2 Grey sandy silt till < 5% clasts							
		G		15.2-15.5 Quartz chips with gravel 90% mafic							
		H		15.5-17.1 Coarse sand and gravel 90% mafic							
		I		17.1-18.3 Dark mafic chips - cobbles							
				18.3-19.2 Bedrock							
		BR		19.2 E014							



**Technical Assessment**  
**Work Credits**

File 2.5949

Date 1984 01 16  
 Mining Recorder's Report of  
 Work No. 301

Recorded Holder	KIDD CREEK MINES LTD
Township or Area	MATHESON TOWNSHIP

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
<b>Geophysical</b> Electromagnetic _____ days Magnetometer _____ days Radiometric _____ days Induced polarization _____ days Other _____ days Section 77 (19) See "Mining Claims Assessed" column Geological _____ days Geochemical _____ days Man days <input type="checkbox"/> Airborne <input type="checkbox"/> Special provision <input type="checkbox"/> Ground <input type="checkbox"/> <input type="checkbox"/> Credits have been reduced because of partial coverage of claims. <input type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant.	\$3,691.10 SPENT ON OVERBURDEN DRILLING ON MINING CLAIMS P 585550 - 51  246 ASSESSMENT WORK DAYS ARE ALLOWED WHICH MAY BE GROUPED IN ACCORDANCE WITH SECTION 76(16) OF THE MINING ACT.

Special credits under section 77 (16) for the following mining claims

No credits have been allowed for the following mining claims

not sufficiently covered by the survey     
  Insufficient technical data filed



Ministry of  
Natural  
Resources

Geotechnical  
Report  
Approval

File  
2.5949

Mining Lands Comments


To: Geophysics

Comments

<input type="checkbox"/> Approved	<input type="checkbox"/> Wish to see again with corrections	Date	Signature
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To: Geology (Expenditures) Mr. C Krusta

Comments

<input checked="" type="checkbox"/> Approved	<input type="checkbox"/> Wish to see again with corrections	Date Dec 16/83	Signature Krusta
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To: Geochemistry

Comments

<input type="checkbox"/> Approved	<input type="checkbox"/> Wish to see again with corrections	Date	Signature
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To: Mining Lands Section, Room 6462, Whitney Block. (Tel: 5-1380)

1983 11 02

2.5949

Mining Recorder  
Ministry of Natural Resources  
60 Wilson Avenue  
Timmins, Ontario  
P4N 2S7

Dear Sir:

We have received data for Reverse Circulation Overburden Drilling submitted under Section 77(19) of the Mining Act R.S.O. 1980 for mining claims P 585548 to 51 inclusive in the Township of Matheson.

This material will be examined and assessed and a statement of assessment work credits will be issued.

We do not have a copy of the report of work which is normally filed by you prior to the submission of this technical data. Please forward a copy as soon as possible.

Yours very truly,

E.F. Anderson  
Director  
Land Management Branch  
Whitney Block, Room 6640  
Queen's Park  
Toronto, Ontario  
M7A 1W3  
Phone: 416/965-1380

D. Kinvig:sc

cc: Kidd Creek Mines Limited  
357 Bay Street  
Suite 300  
Toronto, Ontario  
M5H 2T7

2.5949

1984 01 16

Our File: 2.5949

Mr. Bruce Hanley  
Mining Recorder  
Ministry of Natural Resources  
60 Wilson Avenue  
Timmins, Ontario  
P4N 2S7

Dear Sir:

RE: Reverse Circulation Overburden Drilling on  
Mining Claims P 585548 to 51 inclusive in  
the Township of Matheson

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The enclosed statement of assessment work credits  
for Reverse Circulation Overburden Drilling has  
been approved as of the above date.

Please inform the recorded holder of these mining  
claims and so indicate on your records.

Yours very truly,

J.R. Morton  
Acting Director  
Land Management Branch

Whitney Block, Room 6643  
Queen's Park  
Toronto, Ontario  
M7A 1W3  
Phone: (416) 965-1380

M.E. Anderson:mc

cc: Kidd Creek Mines Limited  
357 Bay Street  
Suite 300  
Toronto, Ontario  
M5H 2T7

cc: Resident Geologist  
Timmins, Ontario

cc: Mr. G.H. Ferguson  
Mining & Lands Commissioner  
Toronto, Ontario

**Kidd Creek Mines Ltd.**

357 Bay Street  
Suite 300  
Toronto, Ontario M5H 2T7  
(416) 869-1200

Exploration Division

October 26, 1983

Mr. Fred Matthews  
Mining Lands  
Whitney Block  
Room 6450  
Queens Park  
Toronto, Ontario  
M7A 1W3

Dear Mr. Matthews:

Please find enclosed two copies of assessment report on "Reverse Circulation Drilling Matheson Township" and one copy of the "Report of Work" form submitted in Timmins.

Yours truly,



C. C. McLeod  
Senior Geologist

CCMcL:jlw

Encls.

**RECEIVED**

OCT 27 1983

MINING LANDS SECTION





CONTRACT DIAMOND DRILLING

Kidd Creek Mines Limited  
P.O. Box 1140  
Timmins, Ontario

HOLE No.	TO COVER DIAMOND DRILLING FOR		May 16 to 31, 1982		
	FROM	TO	FOOTAGE COMPLETED		
	Downtime:				
	3½ hours		@	\$138.00	\$ 483 00
	Down the hole consumables:				
	10 Tricone bits	@	\$687.50 -	\$6875.00	
	1 Adaptor			544.50	
				<u>\$7419.50</u>	
			Plus 15%	<u>1112.92</u>	8,532 42
	Float rental:				<u>to follow</u>
					<u>\$25,316 67</u>
<p>Verified By: <i>J. Der Weduwen</i></p> <p>Project No: 82 (50.0%) \$12,658.33</p> <p>62 (40.0%) \$10,126.67</p> <p>24 (10.0%) \$2,531.67</p>					
<p><i>June 10, 1982</i></p> <p>SEE TIMMINS TRANSMITTAL</p> <p>FILE MEMO No. <i>T-82-29</i></p> <p>FOR APPROVAL</p>				<p>MINERS OFFICE</p> <p><i>Der Weduwen</i></p> <p>82-21 12,658.33</p> <p>62-24 10,126.67</p> <p>24-24 2,531.67</p> <p><u>25,316.67</u></p>	

**Kidd Creek Mines Ltd.**  
Commerce Court, Toronto, Ontario M5L 1E7

No. 104699

6

Pay to the order

Date

Amount

June 28, 1982

~~\$25,316.67\*~~

\$25,316.67\*

**Bradley Bros Limited**  
98, 14th Street  
P.O. Box 367  
Noranda, Quebec  
J9X 5A9

Kidd Creek Mines Ltd.

**NOT NEGOTIABLE**

Authorized Signature

**NOT NEGOTIABLE**

Authorized Signature

Canadian Imperial Bank of Commerce  
Main Branch, Commerce Court  
Toronto, Ontario M5L 1G9

Please detach before depositing

Kidd Creek Mines Ltd. Commerce Court, Toronto, Ontario M5L 1E7

Items	Amount	Balance
To cover diamond drilling for May. 16 to 31, 1982.		\$25,316.67*

No. 104699

Entered D Audited [Signature] Approved For Payment M

Corporate General Ledger  
Accounts Payable Voucher

Amount 25,316.67

Account code	Voucher total
0 0 0 0 0 0 0 0 0 0	25316
51 52 53 54 55 56 57 58 59 60	68 69 70 71 72 73 74 75 76 77 78

Amount	Discount
59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80	
24 11205133	
OC 11012617	
24 2531667	

Prepared By [Signature] Date 6/25/82  
 Audited By [Signature] Date 6/29/82  
 Disposition of cheque:  
 Enclose Attachments  
 With Cheque  
 Special Instructions