METHUEN TWP. BLACK GRANITE OPAP FINAL SUBMISSION REPORT

LOCATION

SOUTHERN ONTARIO MINING DIVISION - TWEED METHUEN TWP. NORTH HALF AREA.
W'12 LOT 10 CON TIL
CLAIM MAP SHEET G3053
NTS BANNOCKBURN 31 C/12
UTM CO-ORDINATES 4946500 N
271500 E

LAT 45°38' LONG 77°52'

010

ACCESS

NORTH FROM HWY #7+#30 INTERSECTION IN HAVELOCK 25 MILES. ONE MILE SOUTH OF TWIN LAKES ON THE WEST SIDE OF THE ROAD

GEOLOGY

THE PROPOSED BUILDING STONE QUARRY IS IN AN ANORTHOSITIC GABBRO OR "BLACK GRANITE".

OBJECTIVES

- COMPLETE SECOND STAGE STRIPPING PROGRAM
- -WASH STRIPPED ROCK
- TAKE PLUG AND FEATHER SAMPLES
- CUT AND POLISH SAMPLES
- -GET SAMPLES AND PROPERTY IN A PRESENTABLE FORM TO SHOW INTERESTED PEOPLE.

A 1006 DRESSER CRAWLER LOADER WAS HIRED FOR 6 DAYS TO STRIP AN AREA OF ABOUT 300'X100' AND 140' x 70!

THE NEXT STEP WAS TO WASH THE STRIPPED AREA WITH A 2" HONDA PRESSURE PUMP AND UP TO 400' OF FIRE HOSE. THE WASHING TOOK 13 DAYS WITH 2 PEOPLE, ONE USUALLY ON THE HOSE AND ONE HAND STRIPPING WITH A SHOVEL. THE AREA CLEANED UP QUITE WELL AND EXPOSED THE ROCK MORE THAN ADEQUATELY.

I WAS THEN IN CONTACT WITH PAUL KINGSTON AND CHRIS PAPERTZIAN FROM THE TWEED M.NDM. OFFICE, AND EXPLAINED THAT I WANTED TO TAKE SOME TEST BLOCKS FOR SAMPLES WITH A DRILL AND PLUG AND FEATHERS. THEY VISITED THE PROPERTY AT THAT TIME AND BROUGHT ME THEIR PIONTAR DRILL AND A FEW SETS OF PLUGS AND FEATHERS. THEY LOOKED OVER THE PROPERTY WITH US AND MADE SUGGESTIONS AS TO HOW AND WHERE SAMPLES MIGHT BE TAKEN.

7 DAYS WERE SPENT DRILLING AND TRYING TO PLUG HND FEATHER SAMPLES FROM 9 DIFFERENT LOCATIONS. SAMPLES WERE SUCCESSFULLY TAKEN FROM 6 LOCATIONS. FOUR OF THE 6 LOCATIONS WERE ON THE STRIPPED AREA. THE OTHER 2 WERE ON THE TRAIL INTO THE PROPERTY AND ON THE COUNTY ROAD THE PROPERTY IS ACCESSED FROM.

THE FOUR SAMPLE LOCATIONS ON THE STRIPPED AREA ARE MARKED "NE", "SE", "NW", "SW", ON THE MAP.

A SAMPLE BLOCK OF ABOUT 1 H3 WAS TAKEN

FROM EACH SAMPLE LOCATION. THE SAMPLES WEREN'T

JUST TAKEN OFF THE EDGE OF THE ROCK. WE

TRIED TO TAKE ABOUT 12" OFF THE EDGE OF THE

ROCK, THEN TAKE ANOTHER 8"OR 12" PIECE, THEN

BREAK THE ENDS OFF THIS PIECE SO THAT WE

ARE LEFT WITH A SAMPLE WITH 4 FRESH SIDES.

THUS LEAVING 4 OR 5 1 H3 PIECES AT EACH

SAMPLE SITE FOR FUTURE REFERENCE.

THE SAMPLES WERE THEN LOADED BY HAND INTO MY TRUCK AND TAKEN HOME.

DURING THE SAMPLING, THE OUTCROP WAS COVERED WITH A COUPLE OF INCHES OF SNOW, WHICH WAS WASHED AWAY WITH RAIN SHORTLY AFTERWARDS. WITH THE SNOW GONE, WE THOUGHT IT BEST TO PUT A QUICK 10'X 10' GRID ON THE ROCK TO MAP THE STRIPPED AREA AND QUICKLY GRADE THE OUTCROP ACCORDING TO POTENTIAL BLOCK SIZE FROM SURFACE FRACTURES AND CRACKS.

- A GRADE, BEING OVER 50% OF THE ROCK 3'x6' OR OVER WITH LITTLE OR NO PINK STRINGERS.
- B GRAPE, BEING OVER 50% OF THE ROCK Z'X4' OR OVER WITH LITTLE OR NO PINK STRINGERS
- C GRADE, BEING SMALLER PIECES THAN A BUT MORE WASTE AND PINK STRINGERS.

HAVING SAVED MONEY BY BORROWING THE DRILL AND SAMPLING EQUIPMENT FROM THE MNDM IN TWEED, WE HAD EXRA MONEY TO SPEND 4 DAYS IN THE LAPIDARY ROOM AT MNDM TWEED, MAKING SAMPLES.

FROM EACH OF THE 6 SAMPLES, 2 OR 3 SMALLER SAMPLES WERE SAWN AND POLISHED USING THE 24" AND 16" SAWS AND THE COARSE AND FINE POLISHERS. ALTHOUGH SOME "PITTING AND PLUCKING" IS INEVITABLE USING "VIBRA" POLISHERS, THE SAMPLES TOOK A GOOD POLISH AND TURNED OUT VERY SMOOTH.

RESULTS

THE GRAIN SIZE AND COLOUR AND OVERALL APPEARANCE AND POLISH OF THE 4 SAMPLES TAKEN FROM THE STRIPPED AREA ARE EXTREMELY CONSISTANT. THE ROCK LOOKS GOOD.

THE GRADING OF THE POTENTIAL BLOCKS BY SURFACE
FRACTURES, INDICATES A VERY FAVORABLE HILL
FOR STARTING A QUARRY IN THE 100+005 -> ZOO+005
45+00E -> ZO+00W AREA.

THE 140'X 70' AREA STRIPPED ON THE NEXT RIDGE WEST WAS A LAST MINUTE IDEA BECAUSE THE STRIPPING WENT WELL ON THE MAIN RIDGE, AND SHALLOW OVERBURDEN ON THE WEST RIDGE MEANT SOME CHEAP INFORMATION WHICH I THINK TURNED OUT TO BE VALUABLE. THE RIDGE IS GOOD ROCK WITH MEDIUM TO LARGE BLOCK POTENTIAL.

THE AREAS TO THE NORTH AND SOUTH OF SAMPLE AREA "SE", HAS GOOD MEDIUM TO LARGE BLOCK POTENTIAL, BUT THEY WOULD PROBABLY BE MINED BY EXPANDING OUTWARD FROM AREA "SE".

RECCOMENDATIONS

THE NEXT STAGE FOR THIS PROPERTY IS TO START TO QUARRY LARGE BLOCKS.

QUARRYING LARGE BLOCKS MAY INVOLVE DIAMOND WIRE SAWING, DRILLING AND WEDGING, POSSIBLY SOME BLASTING. IT WILL SHOW HOW THE HORIZONTAL SHEETING IS GOING TO EFFECT THE MINING, POSSIBLY ELIMINATING LIFTER HOLES AND WEDGING OR BLASTING INITIALLY. THE USE OF THE DIAMOND WIRE SAW MIGHT NOT BE NECESSARY AT THE FIRST WITH THE PRESENCE OF PROMINENT VERTICAL JOINTING.

THE BEST PLACE TO START TO QUARRY WOULD

BE IN THE VICINITY OF SAMPLE AREA "SE",

WHERE SOME MEDIUM BLOCKS ARE IMMEDIATELY

AVAILABLE, THEN LARGE BLOCKS ARE AVAILABLE WITH

MINIMAL WASTE AND WORK.

MORE STRIPPING AND WASHING, WITH THE FILL FROM THE STRIPPING BEING USED FOR ROADBUILDING IS ALSO NECESSARY TO MAKE THE QUARRYING EASIER AND FOR MOUING EQUIPMENT AROUND.

INITIACLY, A LOADER OR EXCAVATOR, DUMP TRUCK, AND FLOAT COULD BE USED ECONOMICALLY FOR MOUING LARGE BLOCKS.

> William John Thetheama Brown

RETURN DATE NOV. 13/92 PHONE PO.

HAVELOCK RENT ALL

A DIVISION OF DUNFORD SALES AND SERVICE R.R. #3 HAVELOCK, ONTARIO K0L 1Z0

TELEPHONE: (705) 778-7888

(705) 778-3767

RENTAL CONTRACT No.



CHARGE

DEPOSIT

P.O. #		0 AM TO 1	:30 PM :00 PM		\$			
LESSEE NAME \ \ \	RENTALS ARE CASH IN A	JOB LOCATION	N	·	DEL TO			
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CONDITIONS UNDER WHICH TOOLS & OTHER EQUIPMENT ARE RENTED -

The lessee agrees to rent from the lessor the equipment herein described at the rate shown, subject to the terms herein contained. The equipment shall be returned on or before the return date specified herein or upon demand at any time by the lessor. The equipment shall renain the property of the lessor who may inspect the same at any place at any time. Use of the equipment by the lessee is at his own risk and he agrees to indemnify and save the lessor harmless from all claims for damage, liability, loss or injury whatsoever to persone or property in any way connected with use of the equipment. The lessee will re-inhurse the lessor for any damage or loss to the equipment, reasonable wear and fear only excepted. Accrued rental charges can not be applied against the journalse price or cost of repairs of such damaged or lost equipment. The lessee will not loan, sub-let or in any other way dispose of or encumber the equipment platfill and solicitor costs. THE LESSEE HAS READ THE ABOVE AND AGREES THERE ARE NO OTHER TERMS OR CONDITIONS RESPECTING THE RENTAL OF THE EQUIPMENT.

WE RENT TIME - WE CHARGE FOR ALL TIME OUT INCLUDING SATURDAYS, SUNDAYS AND HOLIDAYS 2% INTEREST PER MONTH ON OVERDUE ACCOUNTS.

LESSEE IS RESPONSIBLE FOR PROPER MAINTENANCE OF LEASED EQUIPMENT, ALSO FOR SUPPLY OF BUSI LUBRICATIS AND FULL INSURANCE COVERAGE WHILE-IN HIS FOSSESSION

AGENT FOR LESSEE

ADDRESS_____

PHONE NO.

THAVE READ THE RENTAL CONTRACT

Your prompt return will save you money.

A cleaning charge will be made on items returned unclean.

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HALLMARK POOLS

Havelock, Ont. KOL 1ZO (705) 778-7006

R.R. 1

Νo

42 : KEGIC TRATION ACL

610

Gordon Ellis
Showroom Location: 17 Queen St.
Campbellford, Ont. KOL 1L0
(705) 653-3235

GST # R112063011 ADDRESS SOLD BY QTY. DESCRIPTION PRICE **AMOUNT** 2350 00 Ford with Harles GST TAX RECEIVED BY TOTAL 2514 50 All claims and returned goods MUST be accompanied by this bill. Thank You

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NT. CASH COMPTENT. FRO-CANADA OTTAWN ST IAVELOCK $10 \ \mathrm{KML} \ \mathrm{120}$ 1 8665467 TRES PRICE

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RECULIFIZEECU: 073796 . Spring.

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RECEIVED FROM WILLIAM A. BROWN \$3200.00 FOR HELPING ON THE BLACK GRANITE JOB.

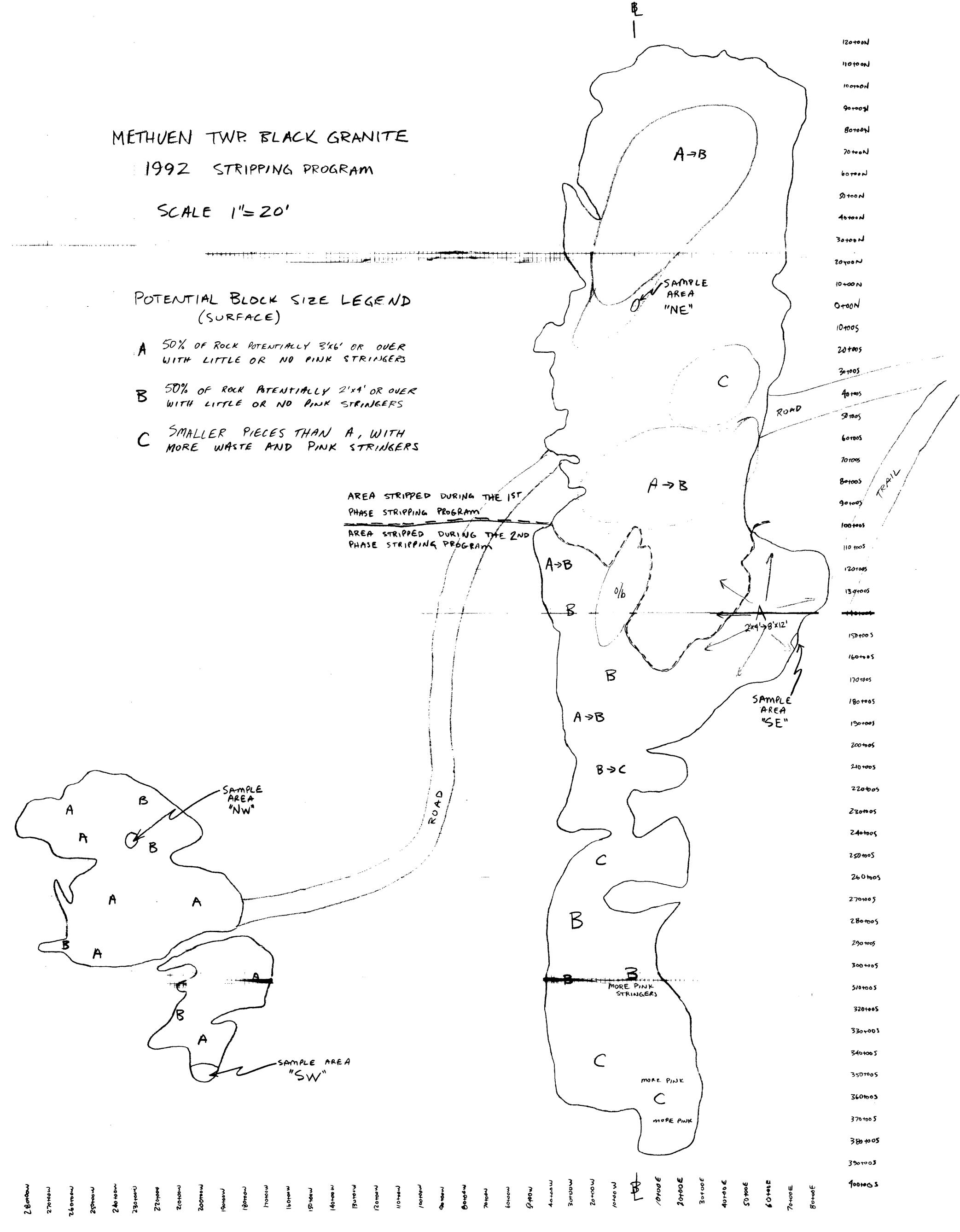
William J. Brown.

RECEIVED FROM WILLIAM A BROWN \$700.00 FOR HELPING ON THE BLACK GRANITE JOB.

Paul Brown

RECEIVED FROM WILLIAM A. BROWN \$600.00 FOR HELPING ON THE BLACK GRANITE JOB.

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