

5090

GEOLOGICAL AND DIAMOND DRILLING
REPORT ON PB (180 to 214, 217 to 249) MINERAL CLAIMS
49, 119, NE. VERNON AND OSOYOOS
MINING DIVISION, BRITISH COLUMBIA

82E/14E

Work Done

During period July 1 to August 10, 1974

for

NISSHO IWAI CANADA LTD.
The registered claim owner

Department of Mines and Petroleum Resources ASSESSMENT REPORT NO. 5090 MAP
--

by

Satoru Inazumi, B.Sc.
Senior Geologist
Power Reactor and Nuclear Fuel
Development Corporation, Japan

and

Toru Kikuchi, Ph.D., P.Eng.
Consulting Geologist

Vancouver, B. C.

Report No.8-4

August 12, 1974

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GEOLOGICAL AND DIAMOND DRILLING
REPORT ON PB (180 to 214 incl. and
217 to 249 incl.) MINERAL CLAIMS
49, 119, NE, VERNON AND OSOYOOS
MINING DIVISION, BRITISH COLUMBIA

1. INTRODUCTION AND SUMMARY

A geological and diamond drilling assessment work for PB-180 to PB-214 incl. and PB-217 to PB-249 incl. (in total 68) Mineral Claims, in Vernon and Osoyoos Mining District, B. C., was done during the period of July 1st to August 10th, 1974 by the working party of Power Reactor and Nuclear Fuel Development Corporation (Japan), as an agent for Nissho-Iwai Canada Ltd., the registered claim owner. The result of the work is wholly reported herein.

The work was carried out under EXPLORATION PERMIT MX32-69, Amendment No.4 issued by the Atomic Energy Control Board dated March 6th, 1974 and the MINERAL EXPLORATION and RECLAMATION PERMIT No.MX-40 issued by the Chief Inspector of Mines, Department of Mines and Petroleum Resources, B. C., dated April 22nd, 1974.

At the request of Power Reactor and Nuclear Fuel Development Corporation, Toru Kikuchi, P.Eng., Consulting Geologist, one of the writers of this report, visited the property from July 28 to 30 and August 3 to 5 to supervise the work and investigate the property by himself.

The result of the work shows that some radio-metric anomaly was found in a diamond drill hole as described in CONCLUSION.

II) GENERAL STATEMENT

1) Location, Access and Geographical Features

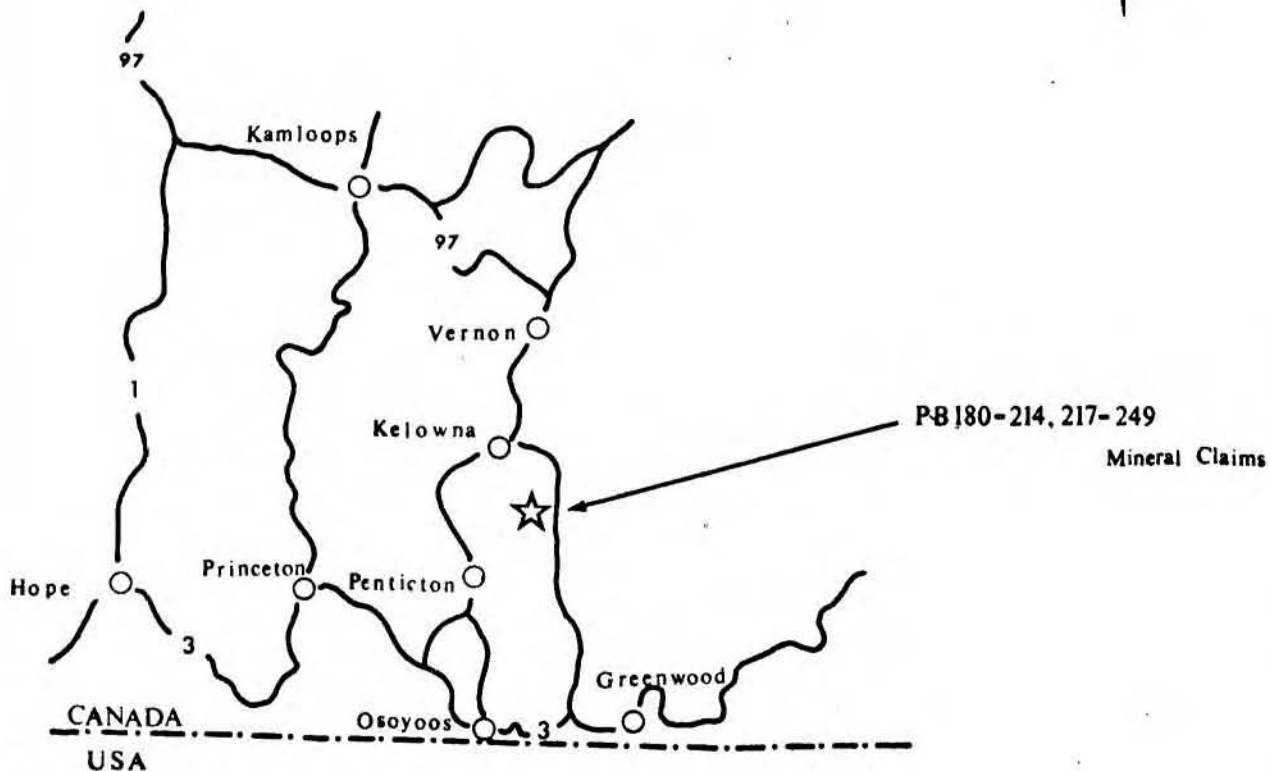
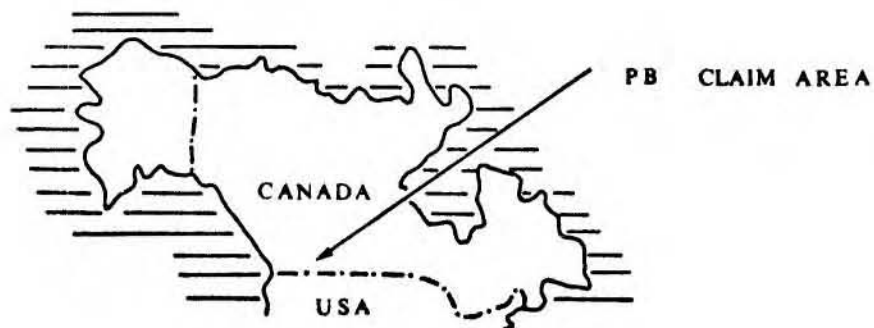
The property is located in the quadrant of 49°, 119° NE. It is approximately 15 air mile southeast of Kelowna, B. C. An old branch road of Highway No.33 runs through the property. It takes about 30 minutes to drive from Kelowna and Beaverdell.

The property is between approximately 3,900 and 4,600 in elevation. It is usually free snow at the end of May.

2) History, Previous Work and Mineral Claims

In September of 1973, the following claims were located and recorded by Nissho-Iwai Canada Ltd., 801-1111 W. Hastings St., Vancouver 1, B. C. The claim situation is shown in Fig. 8-4-3 and Table 8-4-1. No previous work has been done.

Fig. 8-4-1

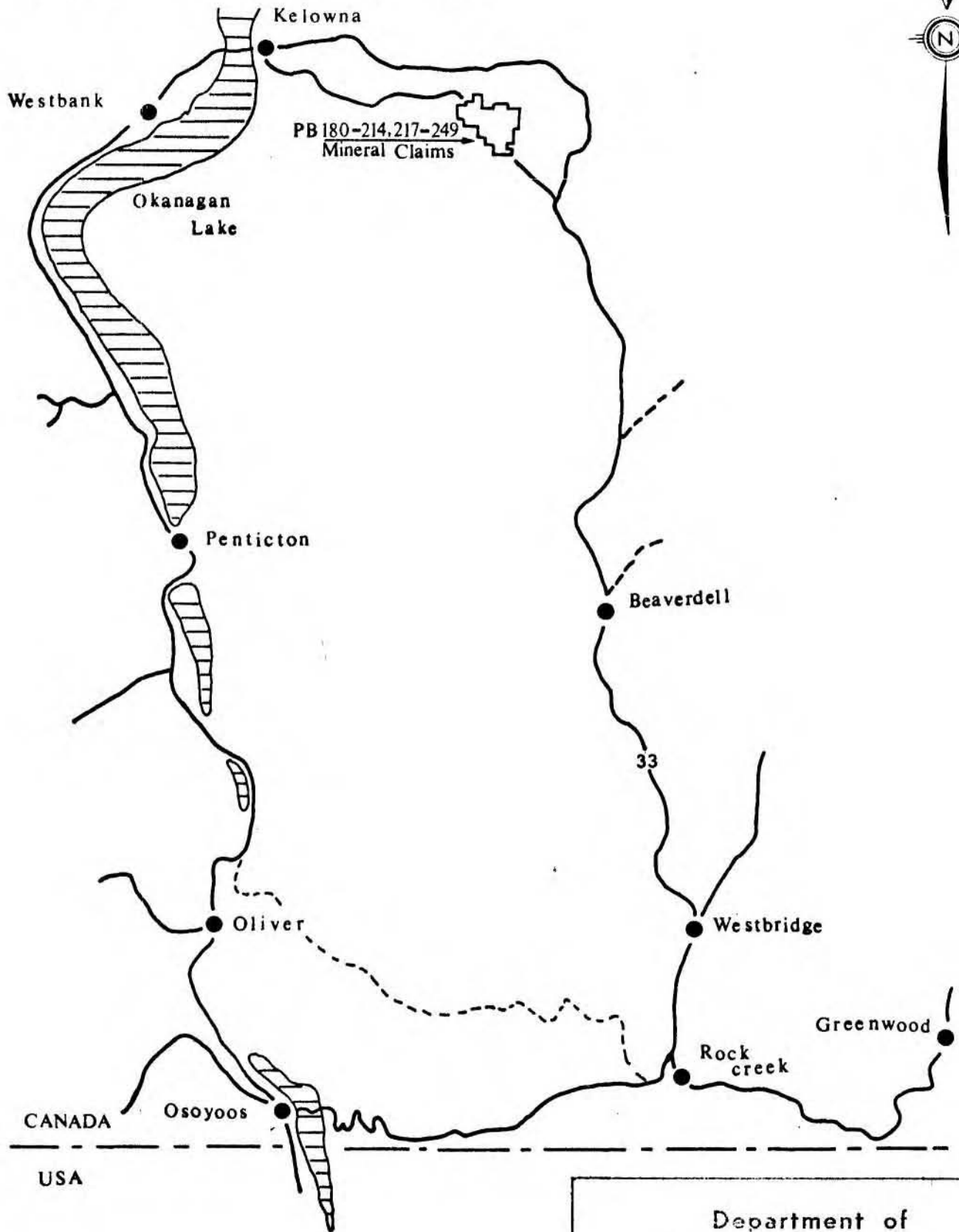


0 60 Miles

A horizontal scale bar with a vertical tick at 0 and another at 60 Miles.

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. **5090** MAP **#1**

Fig. 8-4-2 Access Road Map - 4 -



CANADA
USA

0 10 Miles

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
No. 5090 MAP #2

Table 8-4-1 PB Mineral Claims, B. C.

Name of Claims	Record No.	Recording Date	Expiration* Date	Mining Division
PB180to188	30542to30550	Sept.11,1973	Sept.11,1974	Osoyoos
PB191to193	30551to30553	-ditto-	-ditto-	Osoyoos
PB189to190	17323to17324	-ditto-	-ditto-	Vernon
PB194to214	17325to17345	-ditto-	-ditto-	Vernon
PB217to249	17348to17380	-ditto-	-ditto-	Vernon

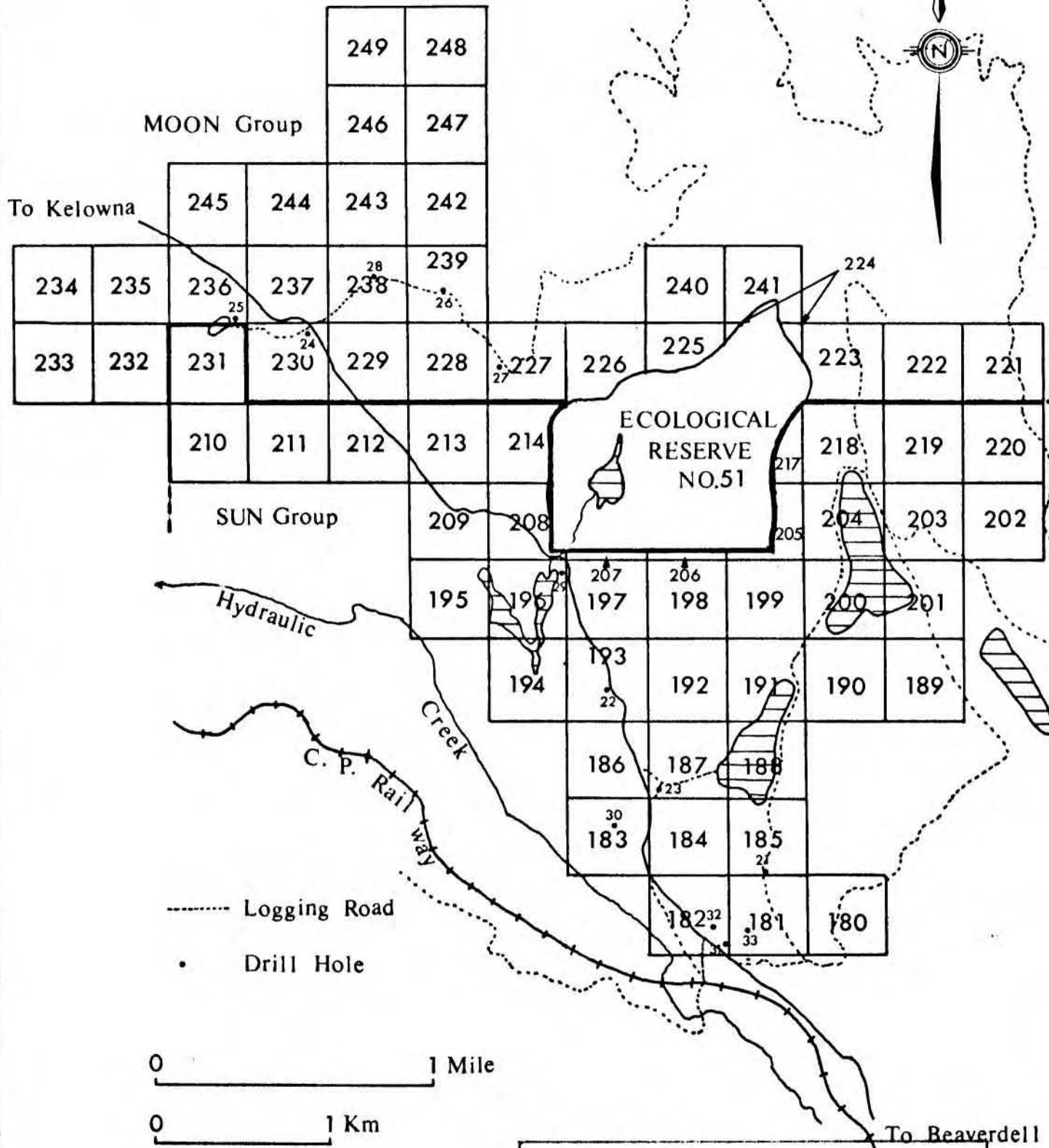
They are grouped in this report as bellow:

SUN Group PB180to214 inclusive
(40 Claims) PB217to220 inclusive
 PB231

MOON Group PB221to230 inclusive
(28 Claims) PB232to249 inclusive

* As of date of this report, that is, before Application for Certificate of Work in this report.

Fig.8-4-3 Mineral Claim Map



Department of
McCulloch
Mines and Petroleum Resources

ASSESSMENT REPORT

NO. 5090 MAP #3

3) Work Done (during period July 1st to August 10th, 1974).

The assessment work covered by this report was completed during the period July 1st to August 10th, 1974 by the working party of Power Reactor and Nuclear Development Corporation (Japan), Agent for Nissho-Iwai Canada Ltd., with the field crews as shown in Table 8-4-2.

Table 8-4-2 Field Crew Members

Name	Position	Dates Worked	No. of Days
Toru Kikuchi	Consulting Geologist	July 28 - July 30 August 3 - Aug. 5	3 3
Satoru Inazumi	Senior Geologist	July 1 - Aug. 10	41
Noboru Meguro Bulldozer Contractor	Geochemist	July 1 - Aug. 10	41
H.O. Thomas	Operator	July 1 - July 15	15
Connors Drilling Ltd.			
F. Boisvenu	Driller	July 1 - July 25	25
W. Wilkie	Helper	July 1 - July 25	25

These crew members except the consultant stayed at Beaverdell and Rutand, B. C. and a 4 x 4 vehicle was rented for the duration of work.

The work reported herein consists of a geological survey and diamond drilling, being associated with a radio metric survey. A scintillation Survey Meter TCS-122-13 (0.006 m R/H background) and a TCS-603R with GP-27 Probe (50 cpm background) were used for surface investigation and drill hole probing respectively. All of instrument are made by Nippon Musen Co., Ltd., Japan.

A drill machine BBS-1. was used. The core size was BQ.

H.O. Thomas, Westbridge, B. C. made the access road, prepared the drill sites and moved the drill machine.

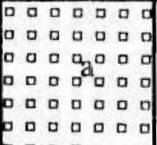




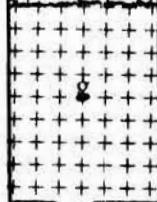

III) GEOLOGY AND MINERALIZATION

The area is situated at high elevation plateau (approximately 3,900' - 4,600') and covered glacial deposits and sqamps. There is not very much rock outcrop.

The area consists of five rock formations. The Monashee Group (Precambrian or later, by H. W. Little) as the underlying formation. The Cache Creek Group (Permian and ? Pensilvanian) occurs closely associated with The Monashee Group usually having a shear zone between them. The Valhalla Platonic Rock (Cretaceous) which intruds into The Monashee Group. The Kettle River Formation (Tertiary) which overlies unconformably on the above mentioned formations. The Plateau Basalt Formation (Tertiary) lies on the top of all. See Table 8-4-3.

The Monashee Group mainly consists of layered gneiss and biotite gneiss. It is intruded by The Valhalla Plautonic Rocks and some pegmatific rock can be seen at their contact. The Group widely distributes in the area as the basal formation.

Table 8-4-3
STRATIGRAPHIC UNIT

Column	Explanation		Age
	Recent	a; Gravel, Sand and Soil	Quarternary
	Plateau Basalt Formation	b; Olivine Basalt Kallis Creek Basalt	Miocene - Pliocene Tertiary
		c; Coaly mudstone, Mudstone and Shale	
		d; Conglomerate e; Coaly sandstone and Sandstone	
	Kettle River Formation	f; Tuff, Tuffaceous sandstone, Black shale and Conglomerate	Oligocene?
	Valhalla and Nelson Intrusions	g; Pegmatite, Granite and Granodiorite	Cretaceous
	Monashee Group	h; Layered gneiss	Proterozoic (?)

◄ ; Occurrence of Uranium mineralizations

The Cache Creek Group distributes in a small scale at the northern part of the area as a sheared green rocks.

The Valhalla Plutonic Rocks which is found at the south-eastern part of the area intruds into gneiss of The Monashee Group. Mainly consists of leucocratic granite associated with some pegmatite and aplite. Partially diorite.

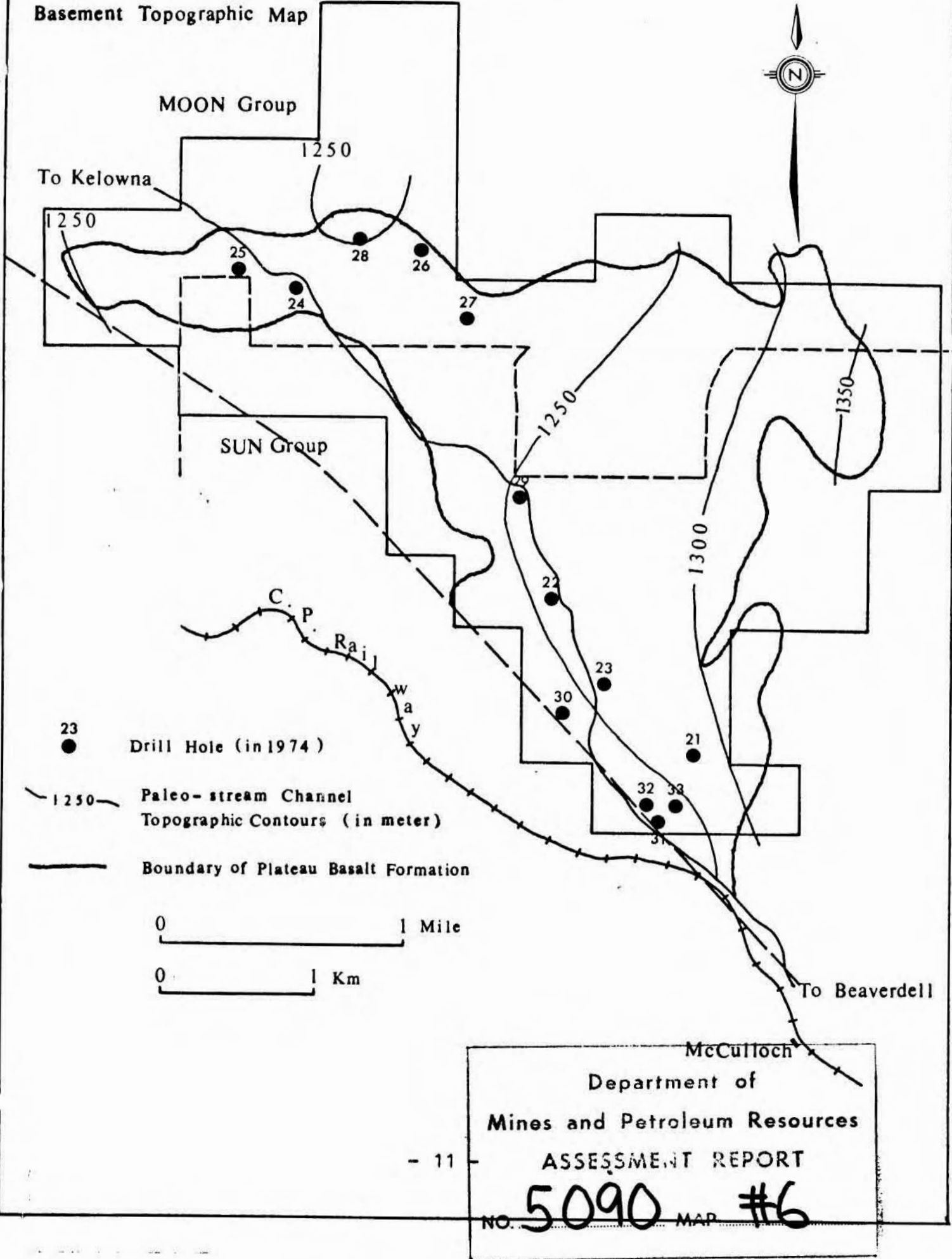
The Kettle River Formation is widely distributed covering unconformable The Monashee Group. It consists of conglomerate, tuff (light green), tuffaceous sandstone and a alternation of tuffaceous sandstone and black shale. The dip of the shale is 40° in the drill hole No.29. There is not enough outcrop to determine the structure of the formation.

The Plateau Basalt Formation is the uranium bearing one in the property. Widely distributed unconformably on the top of all the others in the area. This is divided into the upper and lower parts. The upper part is Olivine basalt lover flow ("Kallis Creek Basalt" as field name) with some gas cavities and carries a lot of xenolith of gneiss at the northern part of the area. The lower parts mainly consists of conglomerate which carries boulders of gneiss, associated with pebbles of liparitic basalt and gneiss being distributed horizontally. The average thinckness of this formation is approximately 125 feet. The lower part (sedimentary) occurs in the plateau stream channel of the basic Monashee Group, Valhala Plutonic and / or Kettle River Rocks, and usually thicker at the center of the channel.

Radiometric anomalies are usually found in sandstone and conglomerate, especially remarcalbe in coaly

Fig 8-4-6

Basement Topographic Map



sandstone.

An fault (NW-SE) might be presumed at the western part of the area.

IV) DIAMOND DRILLING

The machine was moved in only June 30, 1974 and started to drill on July 2nd. The 13 holes, totalling 2,241 feet were drilled until July 24. The location of holes is shown Fig. 8-4-5 and the data will be shown Table 8-4-4.

Table 8-4-4 Diamond Drill Holes (1974)

No. of Hole	Claim	Group	Footage Drilled	Maximum * Radioactivity Measured	Sea Level
BCP-21	PB 185	SUN	103	225c.p.m.	4,228 ft.
BCP-22	PB 193	SUN	125	690	4,274
BCP-23	PB 187	SUN	242	220	4,247
BCP-24	PB 230	MOON	177	145	4,157
BCP-25	PB 236	MOON	177	85	4,204
BCP-26	PB 239	MOON	113	150	4,105
BCP-27	PB 227	MOON	133	145	4,062
BCP-28	PB 238	MOON	103	105	4,139
BCP-29	PB 196	SUN	163	165	4,229
BCP-30	PB 183	SUN	170	515	4,160
BCP-31	PB 182	SUN	258	1,980	4,220
BCP-32	PB 182	SUN	274	1,100	4,231
BCP-33	PB 181	SUN	203	125	4,231
TOTAL 13 Holes			2,241		

* By GP-27 (back ground 45-50 c.p.m.)

The core samples from drilled hole was kept in core storage at Westbridge, B. C.

V) CONCLUSION AND RECOMMENDATION

1) CONCLUSION

Though there has been no radiometric anomaly clarified on the ground surface in the area, some radiometric anomalies were found in drill holes, especially in Hole BCP-31 which counts 1,980 c.p.m. (0.07% eU_3O_8) at the highest.


These anomalies occurs at the bottom of Platea Basalt Formation on the base of Valhalla Plutonic Rocks. No anomaly was found on the base of Kettle River Formation.

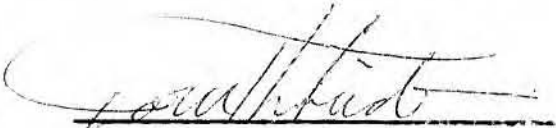
2) RECOMMENDATION

Some more diamond drill holes should be done to clarify the ore-deposit structure.

The future program will be discussed by the company.

Respectfully submitted,


Satoru Inazumi
Geologist,
Power Reactor and Nuclear
Fuel Development Corporation

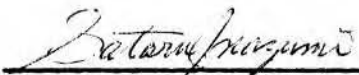

Toru Kikuchi, P.Eng.
Consulting Geologist

Vancouver, B. C.
August 12, 1974

STATEMENT OF QUALIFICATION

I, Satoru Inazumi of Tokyo, Japan, hereby certify that:

- 1) I am a graduate of the Kanazawa University, Japan.
(B.Sc., Geology and Mineralogy, 1957)
- 2) I am a member of the Geological Society of Japan,
and of the Society of Mining Geologists of Japan.
- 3) I have been practising my profession continuously in
Japan and Korea for past fifteen years and am presently
employed by Power Reactor and Nuclear Fuel Development
Corporation (Japan) as a senior geologist.
- 4) I have no direct or indirect interest in the property,
nor do I anticipate receiving any such interest.
- 5) The original data in this report is based on my
personal study and work at the property during the
period July 1 to August 10, 1974.



Satoru Inazumi, B.Sc.

Vancouver, B. C.
August 12, 1974

STATEMENT OF QUALIFICATION

I, Toru Kikuchi of the city of Vancouver, B. C., hereby certify that:

- 1) I am a graduate of the HOKKAIDO University, Japan (B.Sc., Geology and Mineralogy, 1964) and of the TOHOKU University, Japan (Ph.D., Economic Geology, 1963)
- 2) I am a "Gijutsushi" (a qualification for a consulting engineer authorized by the Japanese Government) and a member in good standing of the Association of Professional Engineers of the Province of British Columbia, and same of Saskatchewan.
- 3) I am a member of The Society of Mining Geologists of Japan, and of The Canadian Institute of Mining and Metallurgy and of The Society of Economic Geologists, U.S.A.
- 4) I have been practising my profession continuously for the past 27 years and am an independent consulting geologist with my office at #1101-207 W. Hastings St., Vancouver, B. C.
- 5) I have no direct or indirect interest in the property, nor do I anticipate receiving any such interest.
- 6) This report is based on my personal study and work at the property during July 28 - 30 and August 3 - 5, 1974.



Toru Kikuchi, P.Eng.

Consulting Geologist

Vancouver, B. C.
August 12, 1974

STATEMENT OF EXPENSES

I, Satoru Inazumi, B. Sc., managing senior geologist of the work, hereby certify that my expense for the work described in this report are as follows:

<u>Name of Group</u>	<u>Diamond Drilling</u>	<u>Geological Survey</u>	<u>Total Expense</u>
SUN	\$18,150.53	\$ 2,487.02	\$20,637.55
MOON	\$ 8,541.37	\$ 2,487.02	\$11,028.39
<hr/>			
TOTAL	\$26,691.90	\$ 4,974.04	\$31,665.94
<hr/> <hr/>			

The detailed breakdown is on the following pages.



Satoru Inazumi, B. Sc.,
Managing Senior Geologist
of the work.

Vancouver, B. C.
August 12, 1974

PORTION OF EXPENSE FOR THE TWO TYPES OF WORK

	Total	Geological Survey	Diamond Drilling
1) Wage & Salaries	\$4,510.00	\$2,255.00(50%)	\$2,255.00(50%)
2) Consultant's Fee & Travel Expense	\$2,827.75	\$2,262.20(80%)	\$ 565.55(20%)
3) Living Expense	\$ 286.00	\$ 143.00(50%)	\$ 143.00(50%)
4) Car Rent & Gas	\$ 627.69	\$ 313.84(50%)	\$ 313.85(50%)
<hr/>			
Sub-total	\$8,251.44	\$4,974.04	\$3,277.40
5) Bulldozer Charge	\$2,070.00	Nil(0%)	\$2,070.00(100%)
6) Diamond Drilling Charge	\$21,344.50	Nil(0%)	\$21,344.50(100%)
<hr/>			
TOTAL	\$31,665.94	\$4,974.04(15%)	\$26,691.90(85%)
<hr/> <hr/>			

See the following pages for details.

GEOLOGICAL SURVEY FOR TWO GROUPS

Name of Group	Share	Subtotal of 1) Wage & Salaries 2) Consultant's Fee 3) Living Expense 4) Car Rent and Gas
SUN	50%	\$2,487.02
MOON	50%	\$2,487.02
TOTAL	100%	\$4,974.04

DIAMOND DRILLING EXPENSE FOR TWO GROUPS

Name of Group	Number of Holes	Drilled Footage Share %	Subtotal of				Total	
			1) Wage & Salaries	2) Consultant's Fee	3) Living Expense	4) Car Rent & Gas		Diamond Drilling Charge
SUN	8	(1,538')68%	\$2,228.63			\$14,514.30	\$1,407.60	\$18,150.53
MOON	5	(703')32%	\$1,048.77			\$ 6,830.20	\$ 662.40	\$ 8,541.37
TOTAL	13	(2,241')100%	\$3,277.40			\$21,344.50	\$2,070.00	\$26,691.90

Expense per Foot: Total Expense \$26,691.90 = 11.91

Total Footage 2,241


\$11.91

1) WAGE AND SALARIES

(July 1 to August 10 , 1974)

Satoru Inazumi	@\$60/Day	41 days	\$2,460.00
Noboru Meguro	@\$50/Day	41 days	\$2,050.00
TOTAL			\$4,510.00

I certify this for the company.



Satoru Inazumi, B. Sc.,
August 12, 1974

No receipt is attached.

2) CONSULTANT FEE

Dr. Toru Kikuchi
Professional Engineer of British Columbia,
Consultant Geologist

1. July 2, 1974	\$ 664.75
2. August 6, 1974	\$2,163.00

TOTAL	\$2,827.75
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Satoru Inazumi, B. Sc.

August 12, 1974

All receipt are on the following pages.

TORU KIKUCHI, Ph.D., P.ENG.
CONSULTING GEOLOGIST

613 - 207 W. Hastings St.
 Vancouver, B. C.
 V6B 1H7
 PH. 688-9478

July 2, 1974

Statement No.4-197

Power Reactor & Nuclear
 Fuel Development Corporation
 Tokyo, Japan

Att: Mr. S. Inazumi

Professional Services;

Re: To visit the Beaverdell, B. C. area
 on June 28 - 30, 1974
 3 days at @\$180.00

\$540.00

Expenses;

June 28	Lunch	\$3.85	
	Edelwiss Inn & Motel, Rock Creek including 2 nights (June 28 & 30) @\$9.50 taxes, 2 breakfast	\$23.40	
	Car Mileage 650 miles @15¢	\$97.50	\$124.75
			<hr/>
	TOTAL		\$664.75

PAID

[Signature]
 July 8, 1974

TORU KIKUCHI, PH.D., P.ENG.

CONSULTING GEOLOGIST

613-207 W. Hastings St.
 Vancouver, B. C.
 V6B 1H7
 PH. 688-9478

August 6, 1974
 Statement No.4-228

POWER REACTOR & NUCLEAR FUEL
 DEVELOPMENT CORPORATION
 9-13, 1-chome, Akasaka
 Minato-ku, Tokyo
 JAPAN

Att: Mr. S. Inazumi

Professional Services:

Re: To visit the Beaverdell, B. C. area on August 3 - 5, 1974 3 days at @\$180.00	\$540.00
Presentation of Report No. 8-4, dated Aug. 12, 1974	\$1,500.00

Expenses:


Edelwiss Inn & Motel, Rock Creek 2 nights @\$9.50 plus tax 3 meals	\$25.50	
Car mileage 650 miles x 15¢	\$97.50	\$123.00
Total		\$2,163.00

PAID
 Aug 6.74

Scott Threlkeld

3) LIVING EXPENSES

1. Residential Office Rent July 1 to August 31	\$ 150.00
2. Propane Gas	\$ 24.02
3. Food	\$ 111.98
<hr/>	
TOTAL	\$ 286.00
<hr/> <hr/>	


Satoru Inazumi, B. Sc.

August 12, 1974

All receipts are on the following pages.

Beaverdell motel
Beaverdell.

THANK YOU
PLEASE
CALL AGAIN
BEAVERDELL GENERAL STOR

Propane

**10.40 ~+

**00.52 ~Tx

**10.92 T 8080-8112

Date <u>July 4</u> 1974				
M <u>P.N.C.</u>				
SOLD BY	C.O.D.	CHARGE	ON ACCT.	ACCT. F.W.D.
1				
2		Office Rent.		75.00
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
2		Bill Koch		75.00

REDIFORM - 88528E

Beaverdell motel

Date <u>Aug 2</u> 1974				
M <u>P.N.C.</u>				
SOLD BY	C.O.D.	CHARGE	ON ACCT.	ACCT. F.W.D.
1		Office Rent		75.00
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
5				

REDIFORM - 88528E

Date <u>Aug 1</u> 1974				
M <u>P.N.C.</u>				
SOLD BY	C.O.D.	CHARGE	ON ACCT.	ACCT. F.W.D.
1		Propane		11.05
2				Tx 55
3		delivery		1.50
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
50				

REDIFORM - 88522E

BEAVERDELL GENERAL STORE

No2

THANK YOU
PLEASE
CALL AGAIN

**0085 - +

**0004 ↘ &

**0089 T 1348 18JUN

No1.

No1

No 2

THANK YOU
PLEASE
CALL AGAIN

**00.75 -A

**00.75 AT 0760 -1 AUG 74

THANK YOU
PLEASE
CALL AGAIN

**00.90 -A

**00.59 -A

**00.53 -A

**00.53 -A

**00.03 -A

**00.03 -A

**02.61 AT 1320 -3 AUG 74

meal
THANK YOU
PLEASE
CALL AGAIN

**00.52 - +

**00.57 - +

**00.49 - +

**01.58 T 8081 -8 JUL 74

THANK YOU
PLEASE
CALL AGAIN

**00.50 -A

**00.57 -A

**01.07 AT 0768 -1 AUG 74

*

9 8

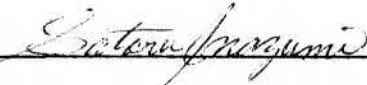
9 8

1 0

2 0 6 *

4) CAR RENT AND GAS

1. Car Rent (July 1 to July 31)	\$ 471.25
2. Gas (July 1 to August 2)	\$ 156.44
<hr/>	
TOTAL	\$ 627.69
<hr/>	
<hr/>	


Satoru Inazumi, B. Sc.

August 12, 1974

All receipts are on the following pages.

Office:

1308 Hamilton Street
New Westminster, B. C.
Phone 521-7881

REDHAWK
RENTALS LTD.

4 WHEEL DRIVE CENTRE
3710 E. First Avenue
Burnaby 2, B. C.
Phone 291-9468

INVOICE

July 31, 1974

Nissho-Iwai Canada Ltd.,
#801, 1111 West Hastings Street,
Vancouver 1, B. C.

Contract 29

TERMS: Net Cash

Rental of 4 wheel drive Ford Bronco No. 190, Lic. NFJ-717, under contract from June 1, 1974:

Rental Fee July 1 - 31 per contract	\$ 425.00
Sales Tax 5%	21.25
Insurance Fee July 1 - 31 per contract	<u>25.00</u>
Total	<u><u>\$ 471.25</u></u>

NOTE: Deposit received will apply on the final invoice of this contract.

STATEMENT

Aug 1974

M. P. H. Co.

In a/c With ELEANOR'S SERVICE STATION LTD.
BOX 25 — BEAVERDELL, B.C.

TERMS

July	3	Jan. 21	805	
	5	" 22	632	
		" 23	625	
	6	" 24	620	
	8	" 25	475	
		" 26	610	
	10	" 27	740	
	11	" 28	1605	
	12	" 29	805	
	13	" 30	680	
	14	" 31	700	
	15	" 34	736	
	16	" 35	681	
	17	" 36	625	
	19	" 37	540	
	22	" 38	710	
	23	" 39	700	
				12289

STATEMENT

Aug 1974

M. P. H. Co.

In a/c With ELEANOR'S SERVICE STATION LTD.
BOX 25 — BEAVERDELL, B.C.

TERMS

July	23	Jan 21	12289	
	25	Jan 21 40	2140	
	27	" 41	740	
	30	" 42	575	
Aug	7	" 43	1300	
				15644

5) BULLDOZER CHARGE

H. O. Thomas

July 17, 1974

\$2,070.00



Satoru Inazumi, B. Sc.

August 12, 1974

Receipt is on the following pages.

STATEMENT

July 17 1974

M. Satou Inuzumi

In apt With Harold Thomas

Box 1 Westhedge B.C.

TERMS

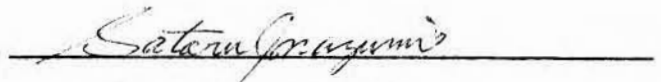
July 1	Standby	110 00	
" 2	Moving drill	140 00	
" 3	Work at drill site	140 00	
" 4	Moving drill	140 00	
" 5	Surveying & moving	140 00	
" 6	Work on drill site	140 00	
" 7	Work on drill site	140 00	
" 8	Moving drill	140 00	
" 9	Moving drill	140 00	
" 10	Work on drill site	140 00	
" 11	Moving drill	140 00	
" 12	Moving drill	140 00	
" 13	Work on drill site	140 00	
" 14	Moving drill	140 00	
" 15	Moving	140 00	
			2,070.00
	<p style="text-align: center;">PAID</p> <p>July 23rd 1974 H.O. Thomas</p>		

6) DIAMOND DRILLING CONTRACTOR'S CHARGE

Connors Drilling Ltd.

1. July 1 to July 15	\$12,728.00
2. July 16 to July 25	\$ 8,616.50

TOTAL	\$21,344.50
-------	-------------



Satoru Inazumi, B. Sc.

August 12, 1974

All receipts are on the following pages.



155 WEST 3rd. AVENUE, VANCOUVER, B.C. CANADA V5Y 1E8
AREA CODE 604/872 - 1675

JOB: 2-423

• Power Reactor & Nuclear Fuel Development Corp.
c/o Nissho-Iwai Canada Ltd.,
Suite 801-1111 West Hastings Street,
Vancouver, B. C.

INVOICE NO: 5036
DATE: July 19, 1974

SURFACE DIAMOND DRILLING
BEAVERDELL, B.C.
July 1 - 15, 1974.

FOOTAGE FEE

D.D. Hole #	BCP-21	0' - 103'	- 103'		
	-22	0' - 125'	- 125'		
	-23	0' - 242'	- 242'		
	-24	0' - 177'	- 177'		
	-25	0' - 177'	- 177'		
	-26 XXXX	0' - 113'	- 113'		
	-27	0' - 133'	- 133'		
	-28	0' - 103'	- 103'		
	-29	0' - 163'	- 163'		
		<u>1336'</u>		@\$8.50	\$11,356.00

FIELD COST WORK

<u>Date</u>	<u>Man Hrs.</u>	<u>Drill Hrs.</u>	<u>Remarks</u>
July 3/74	2	1	Dip Test Hole # 21
July 3/74	4	2	Moving to Hole #22
July 4/74	2	1	Dip Test Hole #22
July 4/74	4	2	Moving waterline
July 4/74	4	2	Moving to Hole # 23
July 5/74	6	3	Complete move to Hole #23
July 6/74	2	1	Dip Test Hole #23
July 6/74	4	2	Moving to Hole # 24
July 7/74	6	3	Setting up on Hole #24
July 8/74	2	1	Dip Test Hole #24
July 8/74	6	3	Move & setup on Hole #25
July 9/74	2	1	Dip Test Hole #25
July 9/74	4	2	Moving to Hole #26
July 10/74	6	3	Setting up on Hole #26



155 West 3rd Avenue Vancouver 10, B.C., Canada
Area Code 604/872-1675

To • Power Reactor & Nuclear Fuel Development Corp. • DATE July 19, 1974
• • INVOICE NO. 5036
• • JOB: 2-423

PAGE 2

FIELD COST WORK CON'T:

<u>Date</u>	<u>Man Hrs.</u>	<u>Drill Hrs.</u>	<u>Remarks</u>
July 11/74	2	1	Dip & Test Hole #26.
July 11/74	6	3	Moving to hole # 27
July 12/74	2	1	Dip Test Hole #27
July 12/74	4	2	Moving to Hole # 28
July 13/74	8	4	Install waterline
July 13/74	2	1	Dip Test Hole #28
July 14/74	10	5	Move & install waterline Hole #29
July 15/74	2	1	Dip Test Hole #29
July 15/74	8	4	Moving to Hole #30
	<u>98</u>	<u>49</u>	

Total Man Hours	98	@\$10.00	\$980.00	
Total Drill Hours	49	8.00	<u>392.00</u>	<u>1,372.00</u>
				<u>\$12,728.00</u>



155 WEST 3rd. AVENUE, VANCOUVER, B.C. CANADA V5Y 1E8
AREA CODE 604/872 - 1675

JOB: 2-423

Power Reactor & Nuclear Fuel Develop. Corp.,
c/o Nissho-Iwai Canada Ltd.,
Suite 801 - 1111 West Hastings St.,
Vancouver, B.C.

INVOICE NO: 5047
DATE: July 26, 1974

SURFACE DIAMOND DRILLING
Beaverdell, B. C.
July 16 - 25, 1974

FOOTAGE FEE:

D.D. Hole #	BCP30	0' - 170' = 170'	
	31	0' - 258' = 258'	
	32	0' - 274' = 274'	
	33	0' - 203' = 203'	
		<u>905'</u>	@ \$8.50
			\$ 7,692.50

FIELD COST WORK:

<u>Date</u>	<u>Man Hrs</u>	<u>Drill Hrs.</u>	<u>Remarks</u>
July 16/74	4	2	Finish moving to hole BCP30
"	6	3	Installing waterline
" 17/74	12	6	Move to hole BCP31 & install waterline
" 18/74	2	1	Finish installing waterline hole BCP31
19/74	2	1	Dip test hole BCP31
21/74	2	1	Dip test hole BCP31
21/74	8	4	Move to hole BCP32
23/74	2	1	Dip test hole BCP32
23/74	4	2	Move to hole BCP33
24/74	2	1	Dip test hole BCP33
24/74	2	1	Tear down hole BCP33
25/74	<u>20</u>	<u>10</u>	Tear down and load equipment in truck
	<u>66</u>	<u>33</u>	

Total Man. Hours 66 @ \$10.00 = \$660.00
 Total Drill Hours 33 @ 8.00 = 264.00
 \$ 924.00
 \$ 8,616.50

APPENDIX

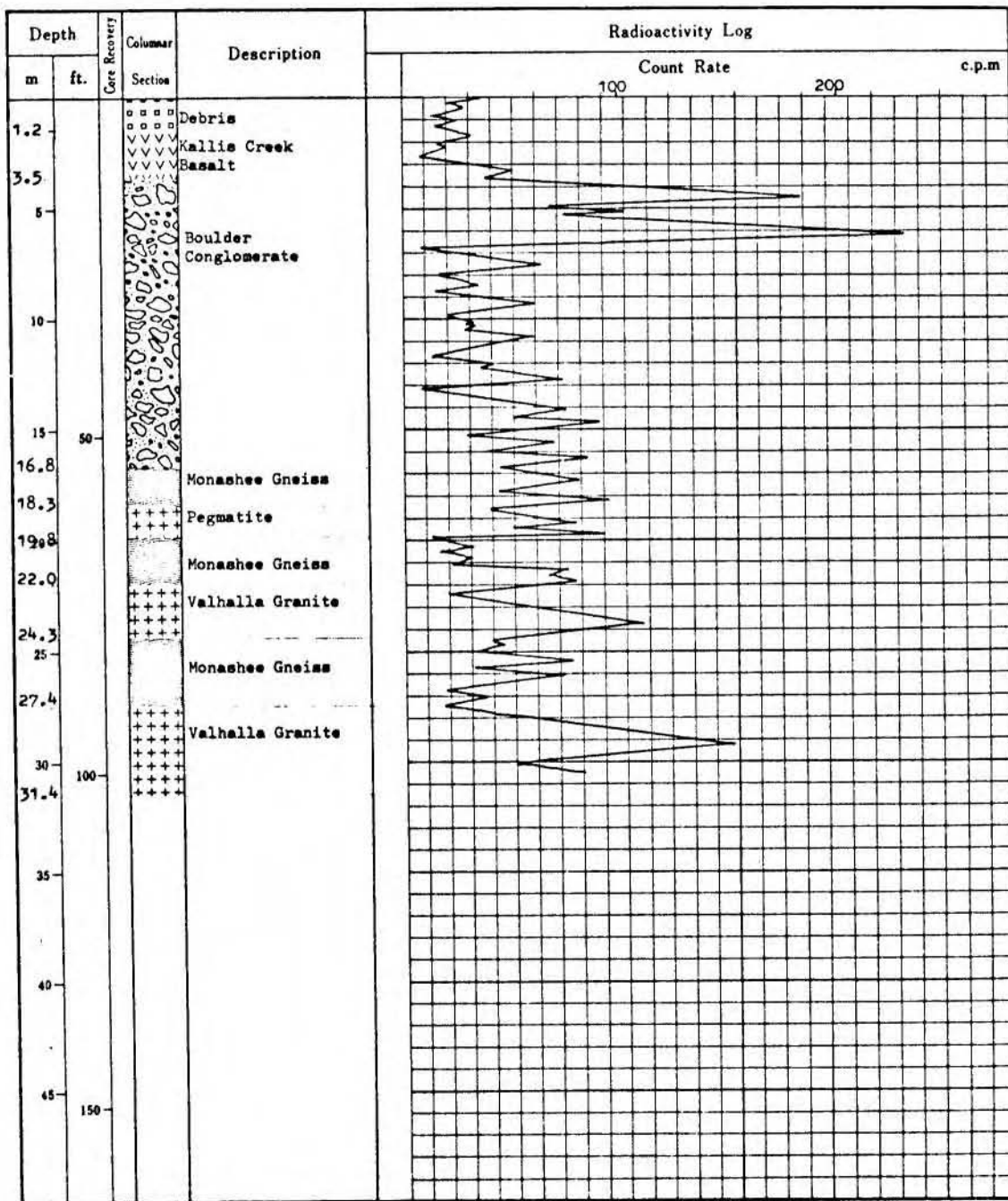
Log and Probe Sheets

LOG AND PROBE SHEET

Method : D.D.
 Hole No. : B C P - 21
 Location : P B - 185
 Total Depth : 103 feet
 Hole Angle : Vertical
 Core Size : B Q
 Core Recovery : 96 %

Detector : Geiger G.P. 27
 Monitor : T C S - 603R
 Background : 50 c.p.m.
 Time Constant : 10 Second
 Date : July 3, 1974
 Logged & Probed by : Satoru Inazumi

Satoru Inazumi

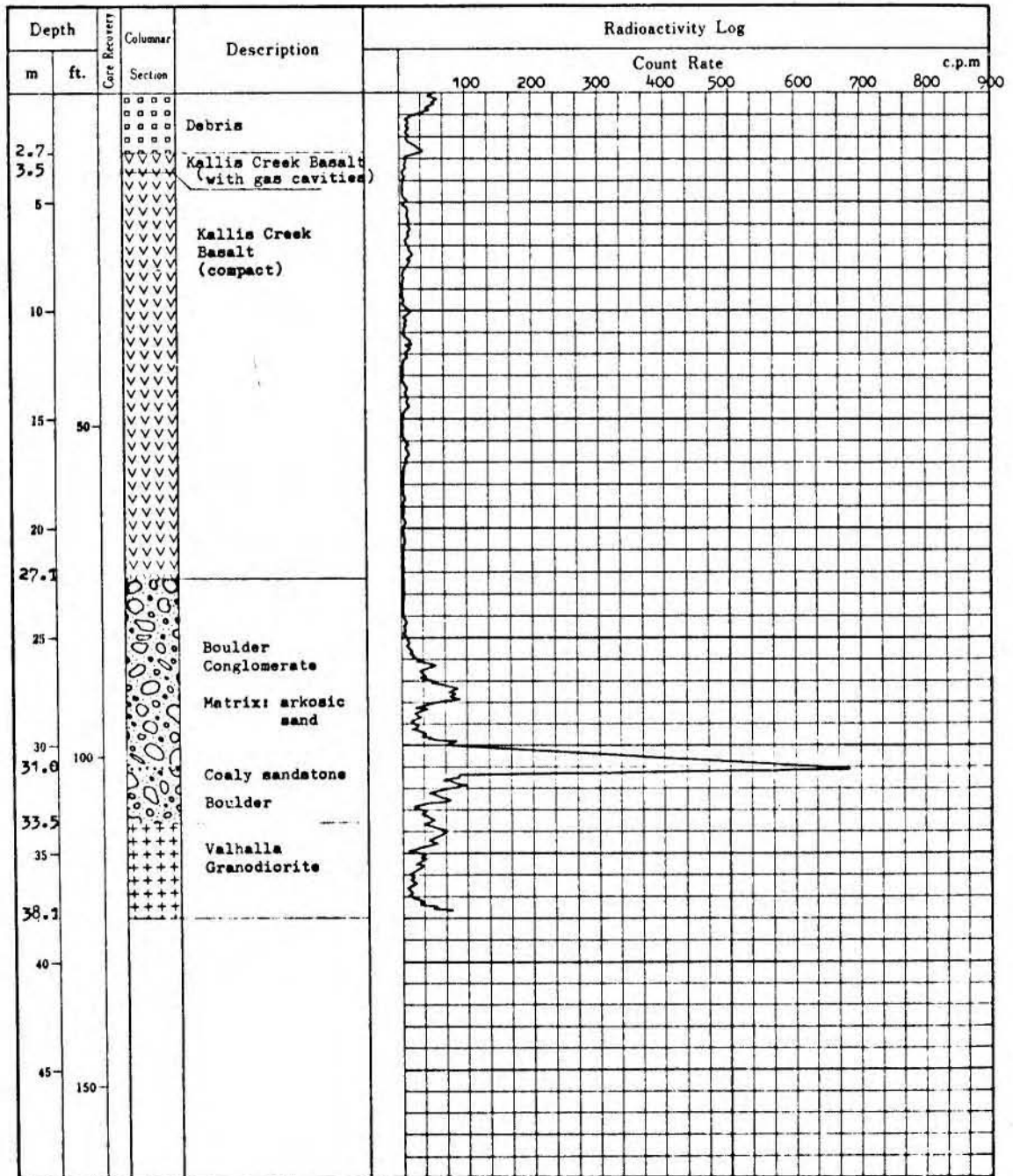


LOG AND PROBE SHEET

Method : D.D.
 Hole No. : B C P - 22
 Location : PB-193
 Total Depth : 125 feet
 Hole Angle : Vertical
 Core Size : B Q
 Core Recovery : 96 %

Detector : Geiger G.P. 27
 Monitor : T C S - 603R
 Background : 50 c.p.m.
 Time Constant : 10 Second
 Date : July 4, 1974
 Logged & Probed by : Satoru Inazumi

Satoru Inazumi

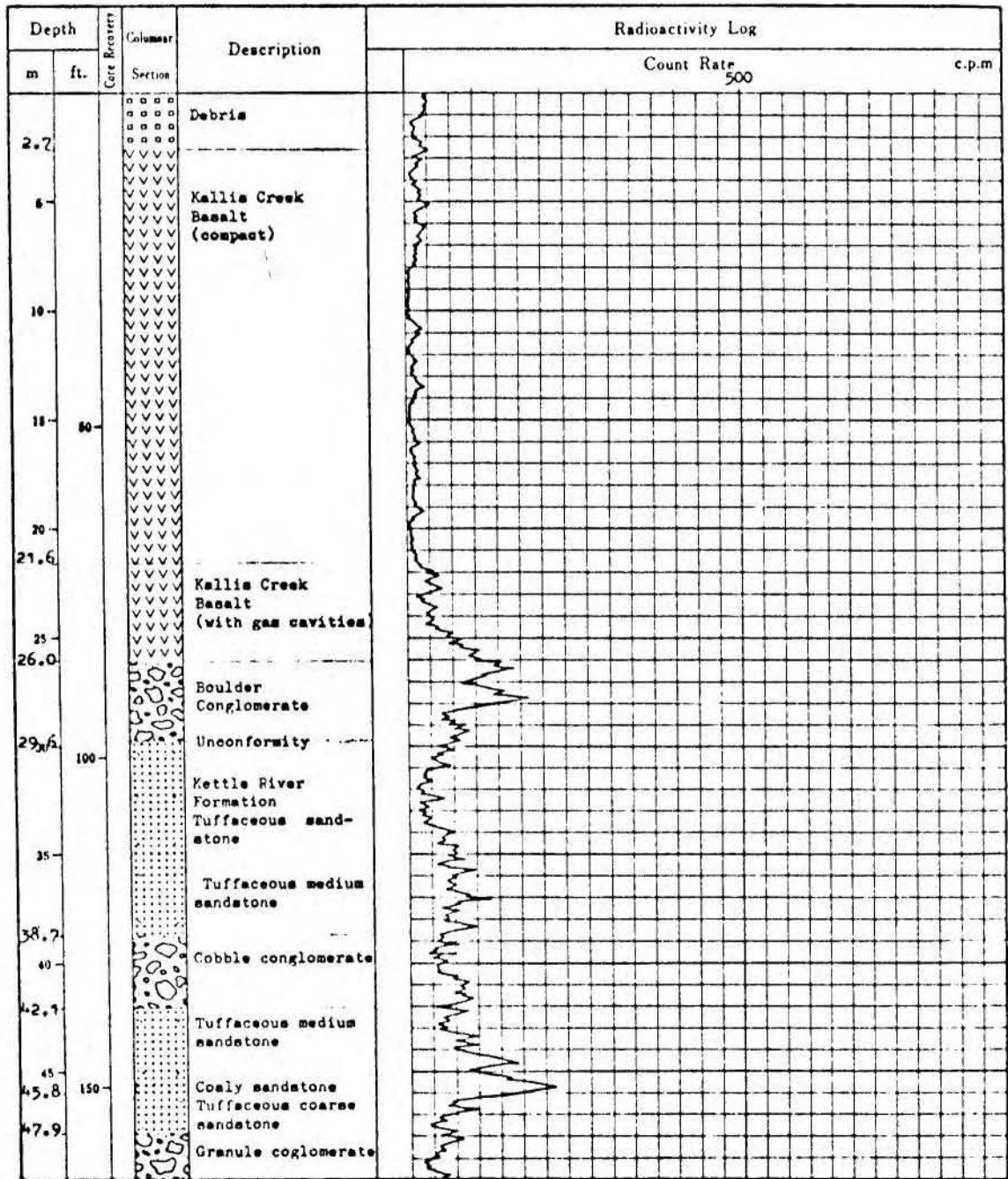


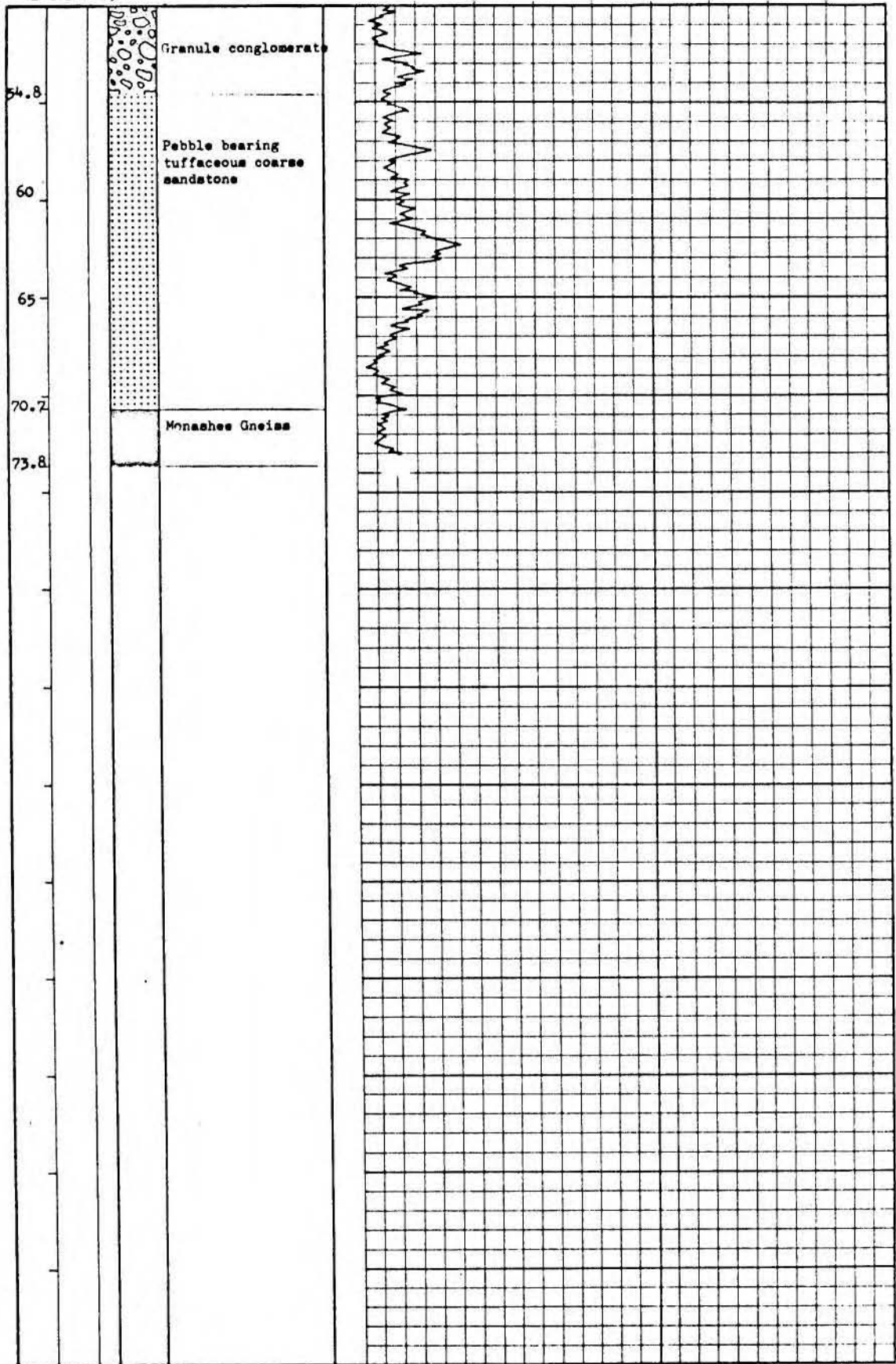
LOG AND PROBE SHEET

Method : D.D.
 Hole No. : B C P - 23
 Location : PB-187
 Total Depth : 242 feet
 Hole Angle : Vertical
 Core Size : B Q
 Core Recovery : 86 %

Detector : Geiger G.P. 27
 Monitor : T C B - 603R
 Background : 50 c.p.m.
 Time Constant : 10 Second
 Date : July 6, 1974
 Logged & Probed by : Satoru Inazumi

Satoru Inazumi



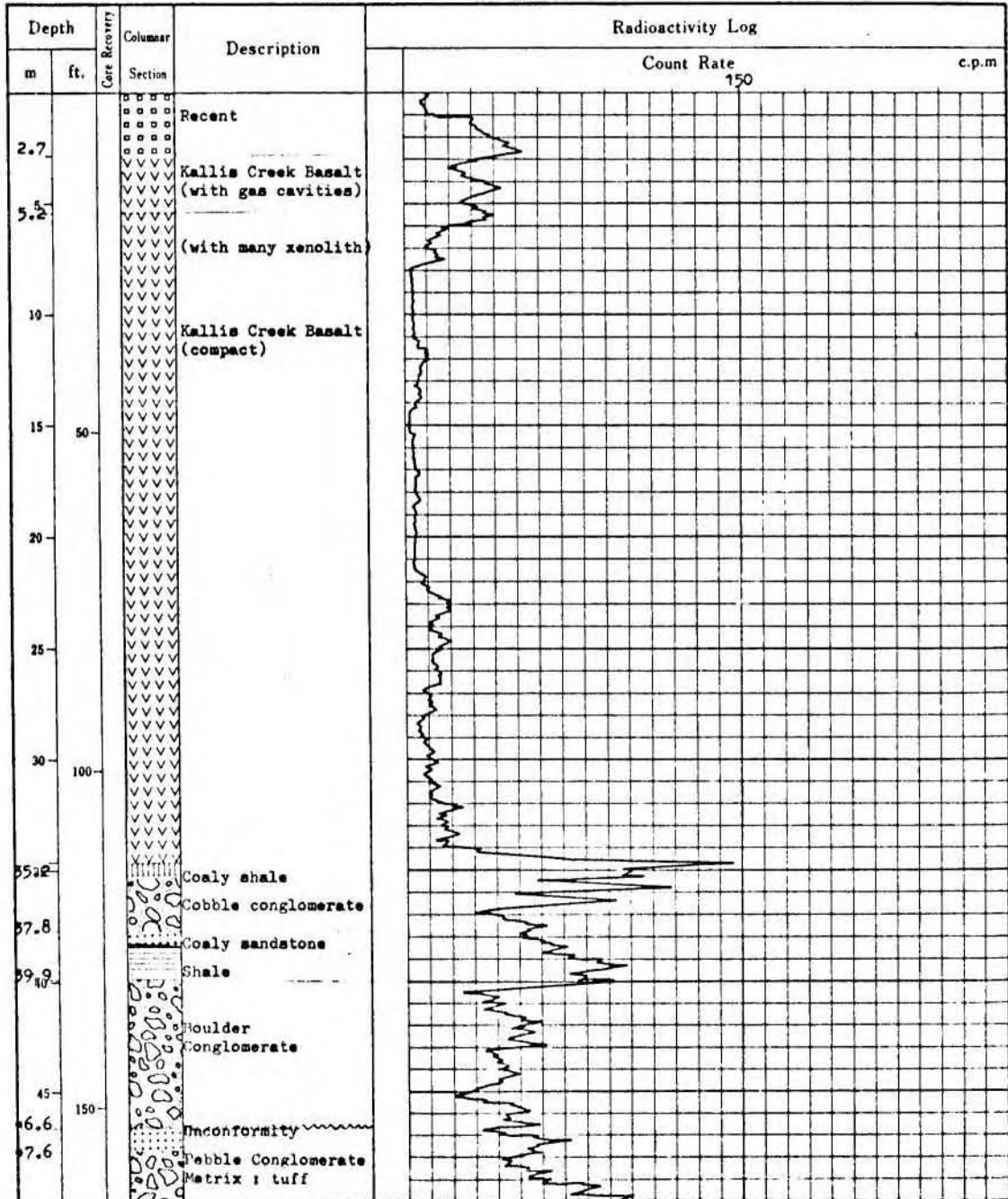


LOG AND PROBE SHEET

Method : D.D.
 Hole No. : B C P - 24
 Location : P B - 230
 Total Depth : 177 feet
 Hole Angle : Vertical
 Core Size : B Q
 Core Recovery : 92 %

Detector : Geiger G.P. 27
 Monitor : T C S - 603R
 Background : 50 c.p.m.
 Time Constant : 10 Second
 Date : July 8, 1974
 Logged & Probed by : Satoru Inazumi

Satoru Inazumi



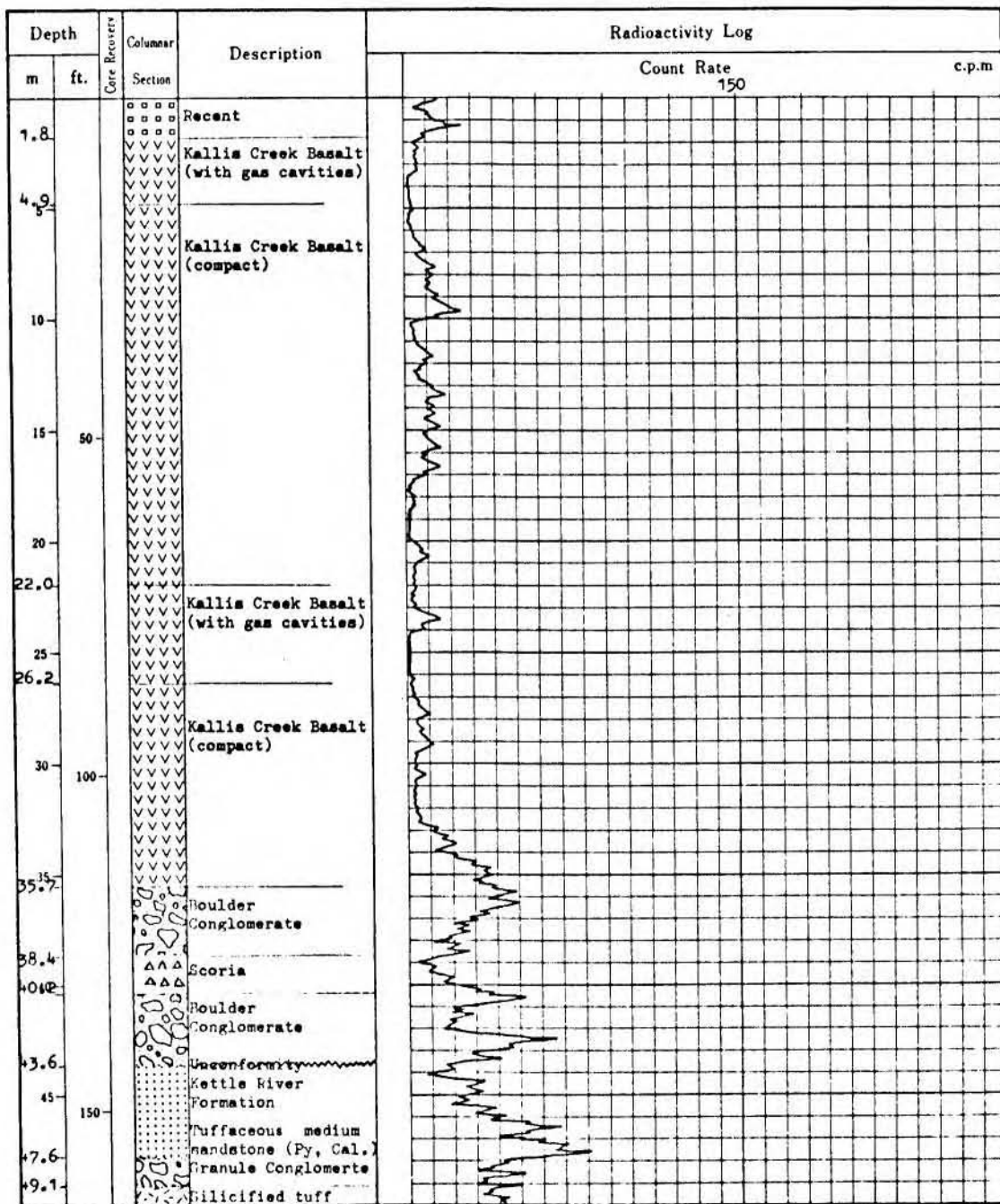
Depth	Stratigraphic Unit	Remarks
50.9	Cobble Conglomerate	
51.8	Buffaceous sandstone	
53.0	Cobble Conglomerate	
54.0	Buffaceous sandstone	
60		

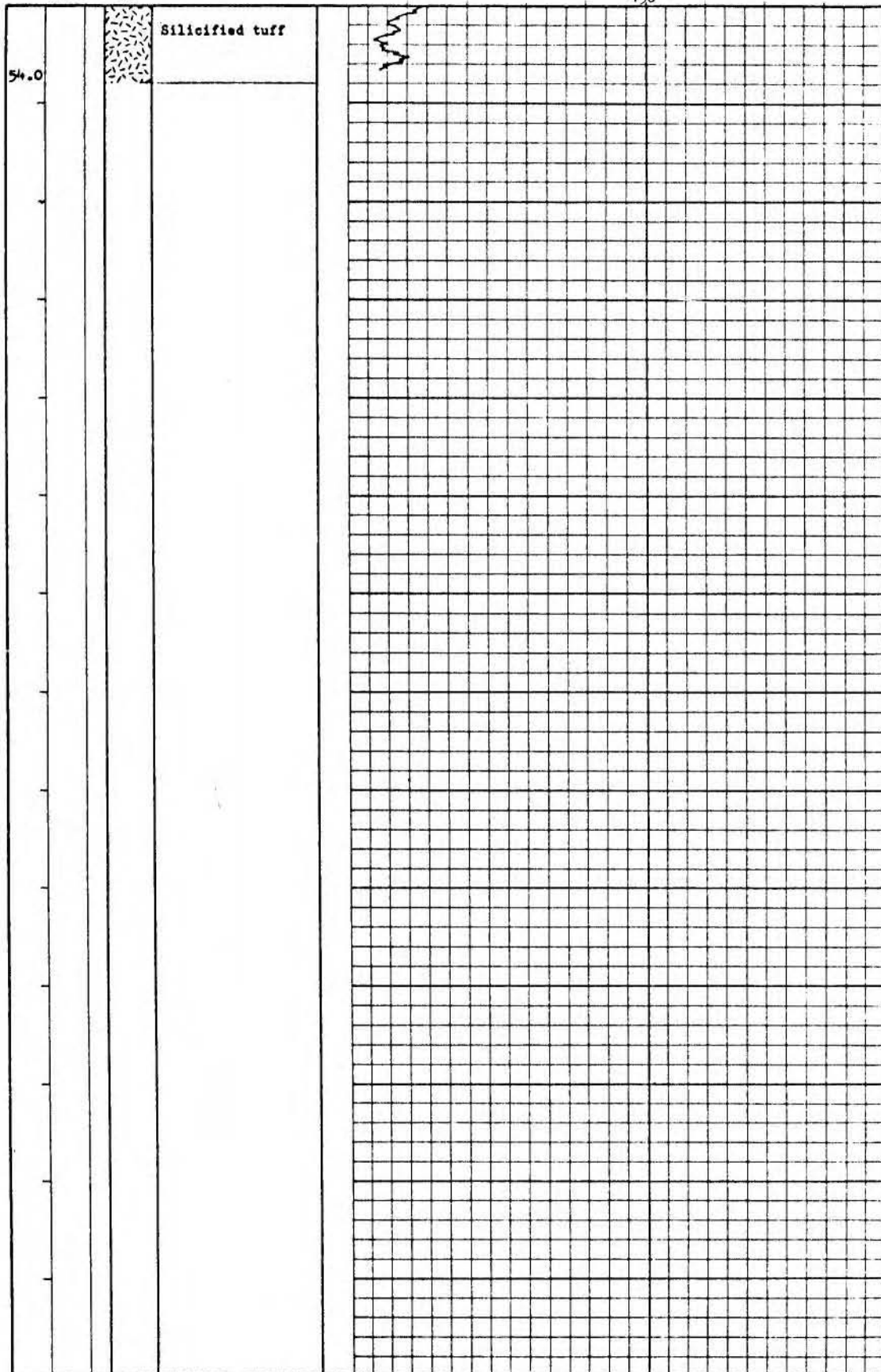
LOG AND PROBE SHEET

Method : D.D.
 Hole No. : B C P - 25
 Location : P B - 236
 Total Depth : 177 feet
 Hole Angle : Vertical
 Core Size : B Q
 Core Recovery : 94 %

Detector : Geiger G.P. 27
 Monitor : T C S - 603R
 Background : 40 c.p.m.
 Time Constant : 10 Second
 Date : July 9, 1974
 Logged & Probed by : Satoru Inazumi

Satoru Inazumi



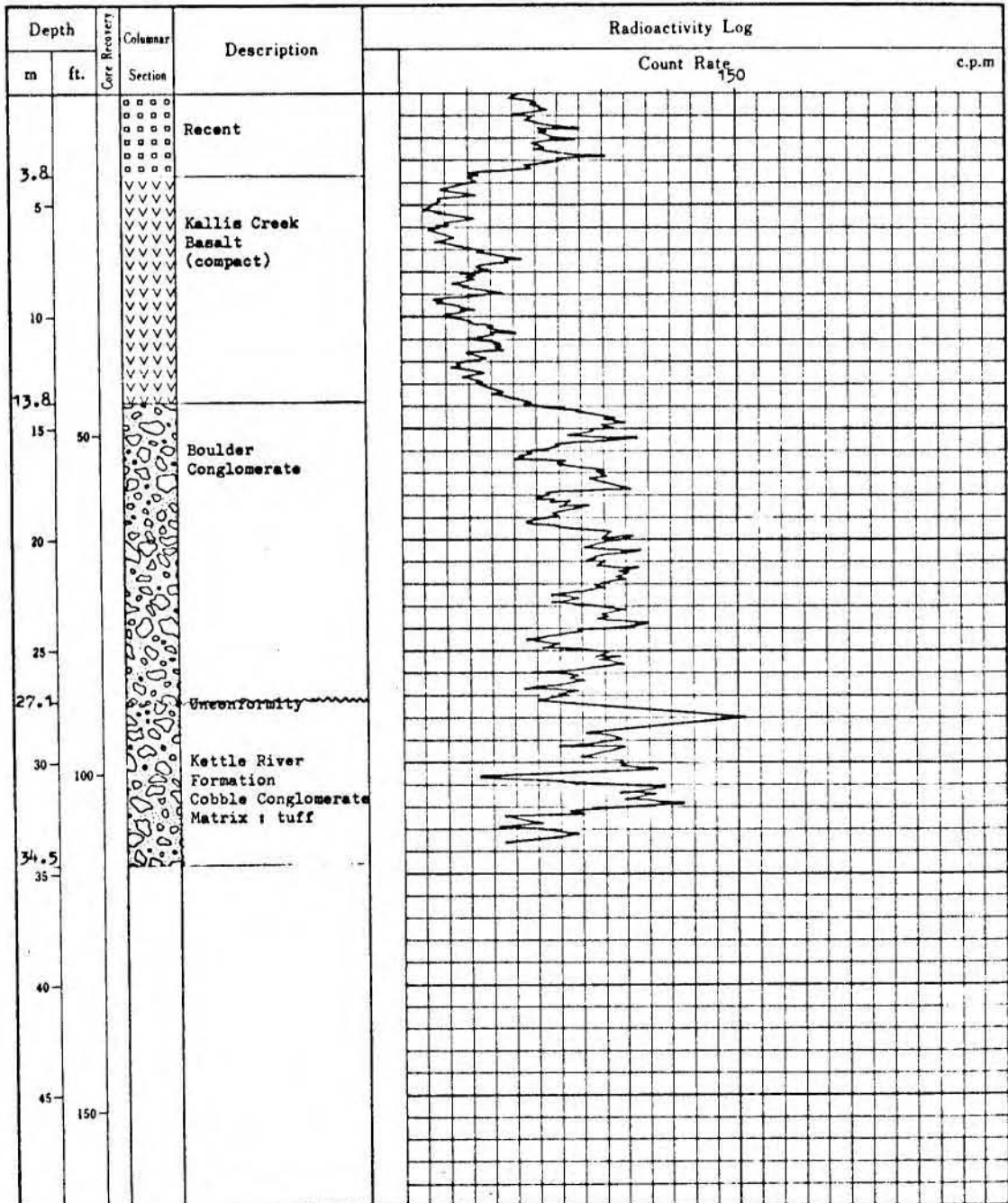


LOG AND PROBE SHEET

Method : D.D.
 Hole No. : B C P - 26
 Location : P B - 239
 Total Depth : 113 feet
 Hole Angle : Vertical
 Core Size : B Q
 Core Recovery : 26 %

Detector : Geiger G.P. 27
 Monitor : T C S - 603R
 Background : 50 c.p.m.
 Time Constant : 10 Second
 Date : July , 11 , 1974
 Logged & Probed by : Satoru Inazumi

Satoru Inazumi

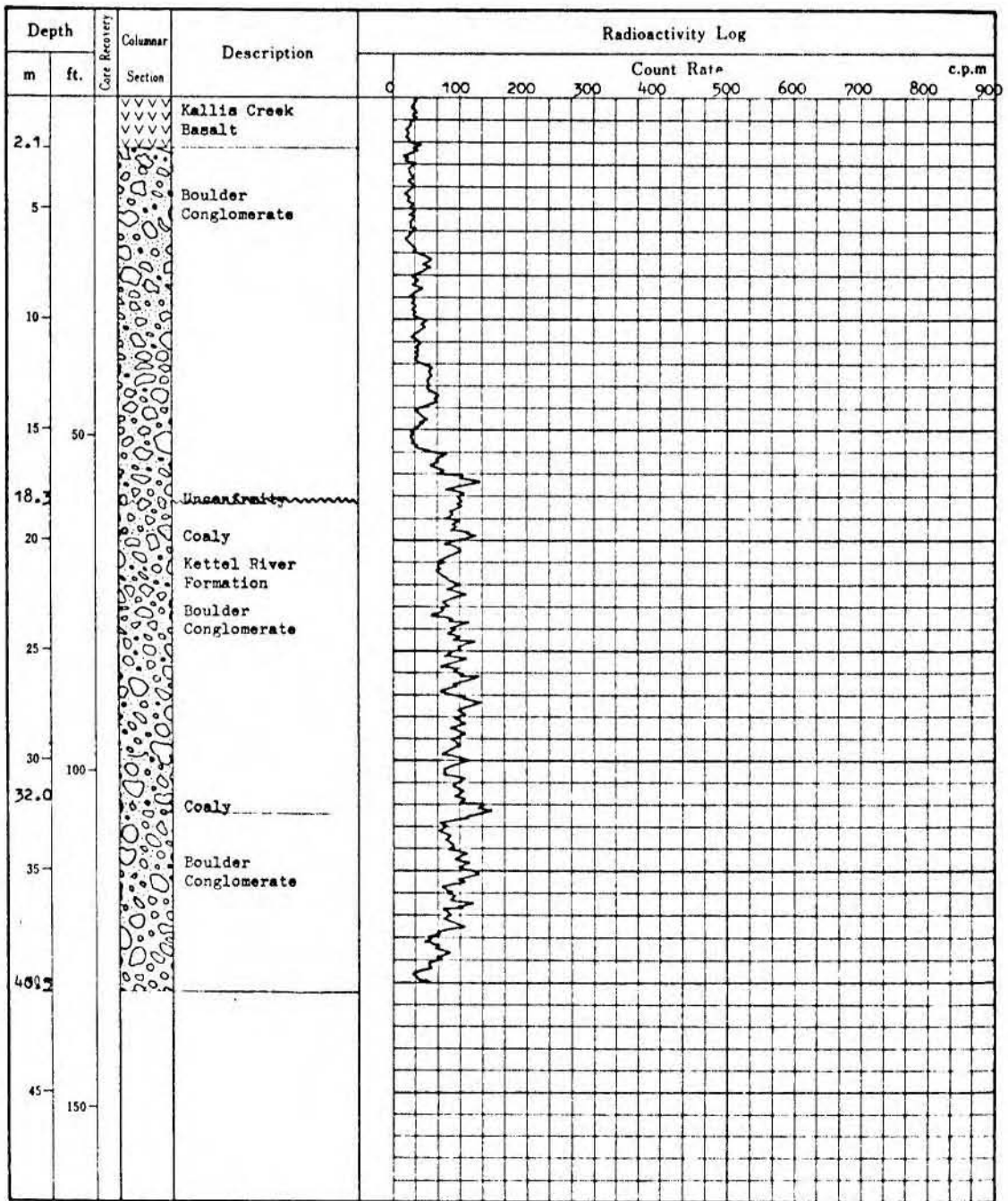


LOG AND PROBE SHEET

Method : D.D.
 Hole No. : B C P - 27
 Location : P B - 227
 Total Depth : 133 feet
 Hole Angle : Vertical
 Core Size : B Q
 Core Recovery : 79 %

Detector : Geiger G.P. 27
 Monitor : T C S - 603R
 Background : 50 c.p.m.
 Time Constant : 10 Second
 Date : July 12, 1974
 Logged & Probed by : Satoru Inazumi

Satoru Inazumi

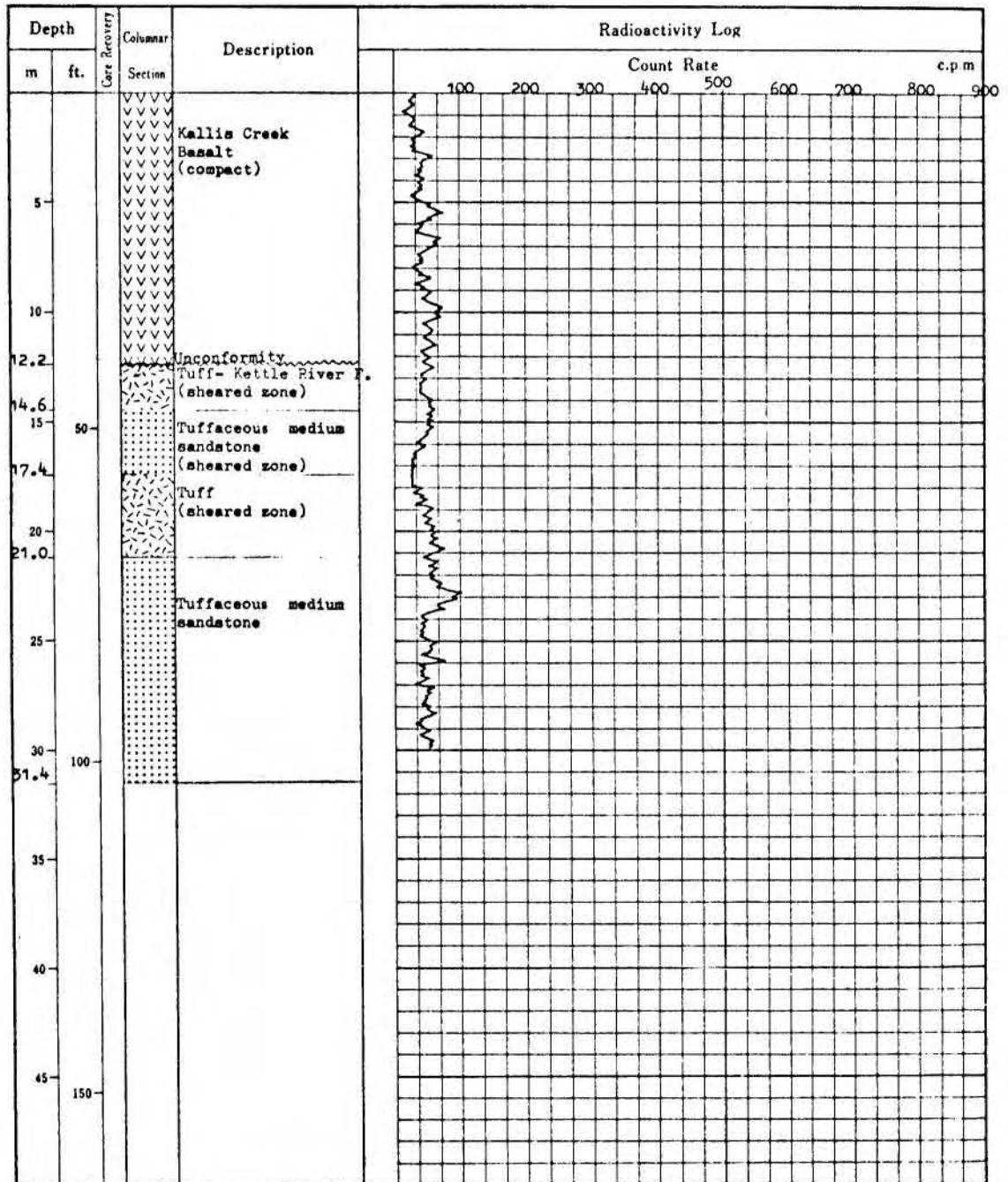


LOG AND PROBE SHEET

Method : D.D.
 Hole No. : B C P - 28
 Location : P B - 238
 Total Depth : 103 feet
 Hole Angle : Vertical
 Core Size : B Q
 Core Recovery : 80 %

Detector : Geiger G.P. 27
 Monitor : T C S - 602R
 Background : 50 c.p.m.
 Time Constant : 10 Second
 Date : July 13, 1974
 Logged & Probed by : Satoru Inazumi

Satoru Inazumi

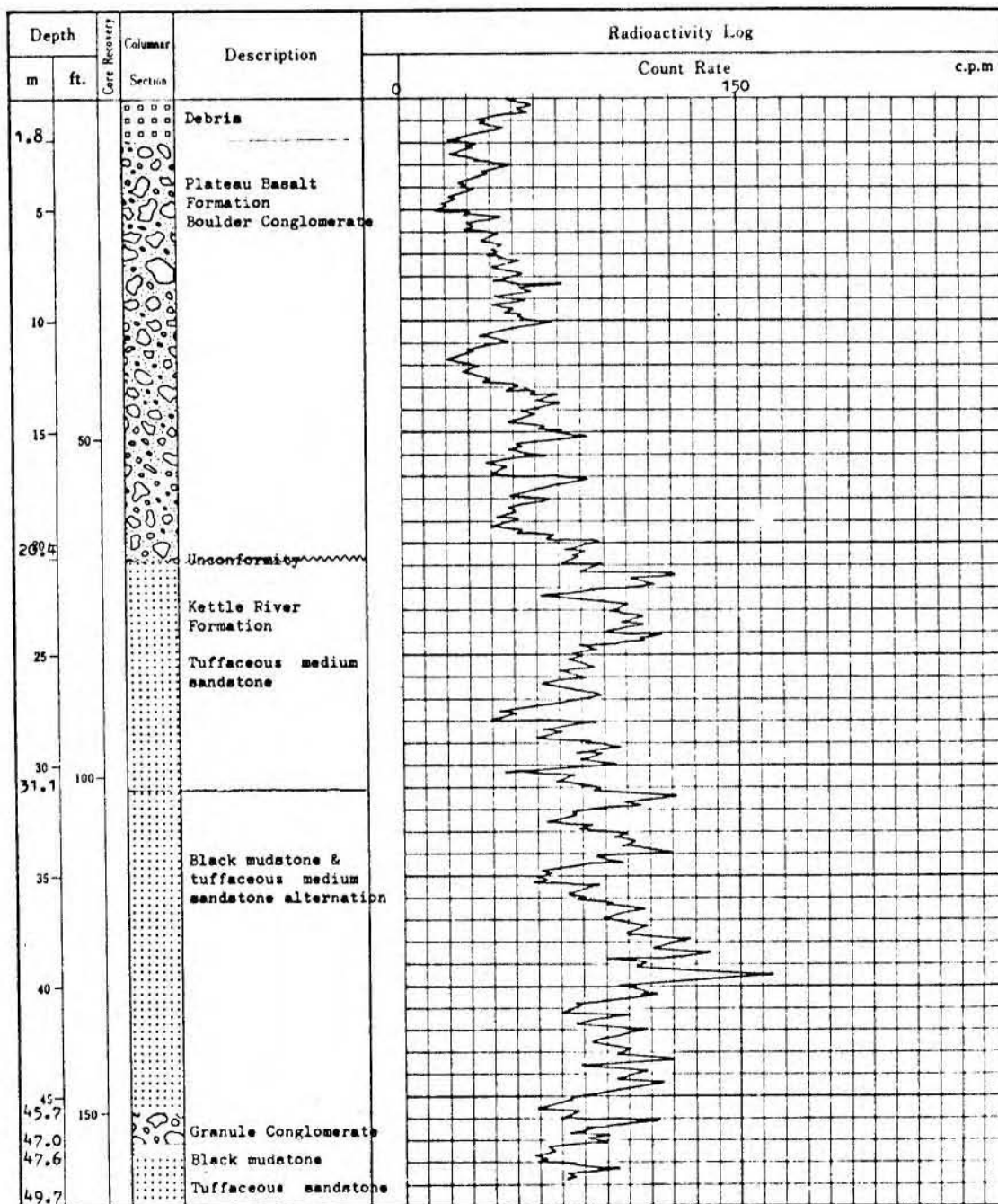


LOG AND PROBE SHEET

Method : D.D.
 Hole No. : B C P - 29
 Location : P B - 196
 Total Depth : 163 feet
 Hole Angle : Vertical
 Core Size : B Q
 Core Recovery : 71 %

Detector : Geiger G.P. 27
 Monitor : T C S - 603R
 Background : 50 c.p.m.
 Time Constant : 10 Second
 Date : July 15, 1974
 Logged & Probed by : Satoru Inazumi

Satoru Inazumi

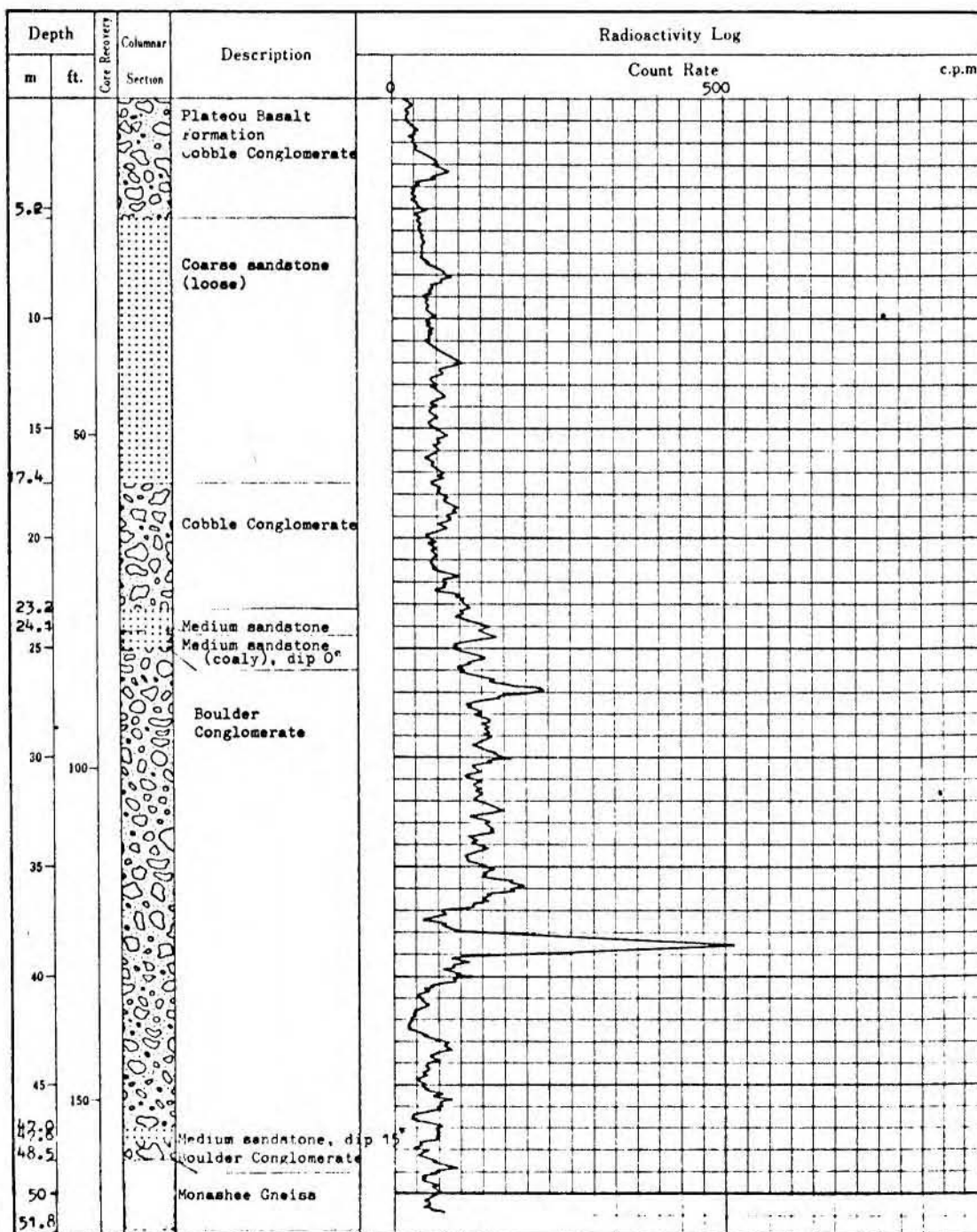


LOG AND PROBE SHEET

Method : D.D.
 Hole No. : B C P - 30
 Location : PB 183
 Total Depth : 170 feet
 Hole Angle : Vertical
 Core Size : B Q
 Core Recovery : 25 %

Detector : Geiger G.P. 27
 Monitor : T C S - 603R
 Background : 40 c.p.m.
 Time Constant : 10 Second
 Date : July 17, 1974
 Logged & Probed by : Satoru Inazumi

Satoru Inazumi

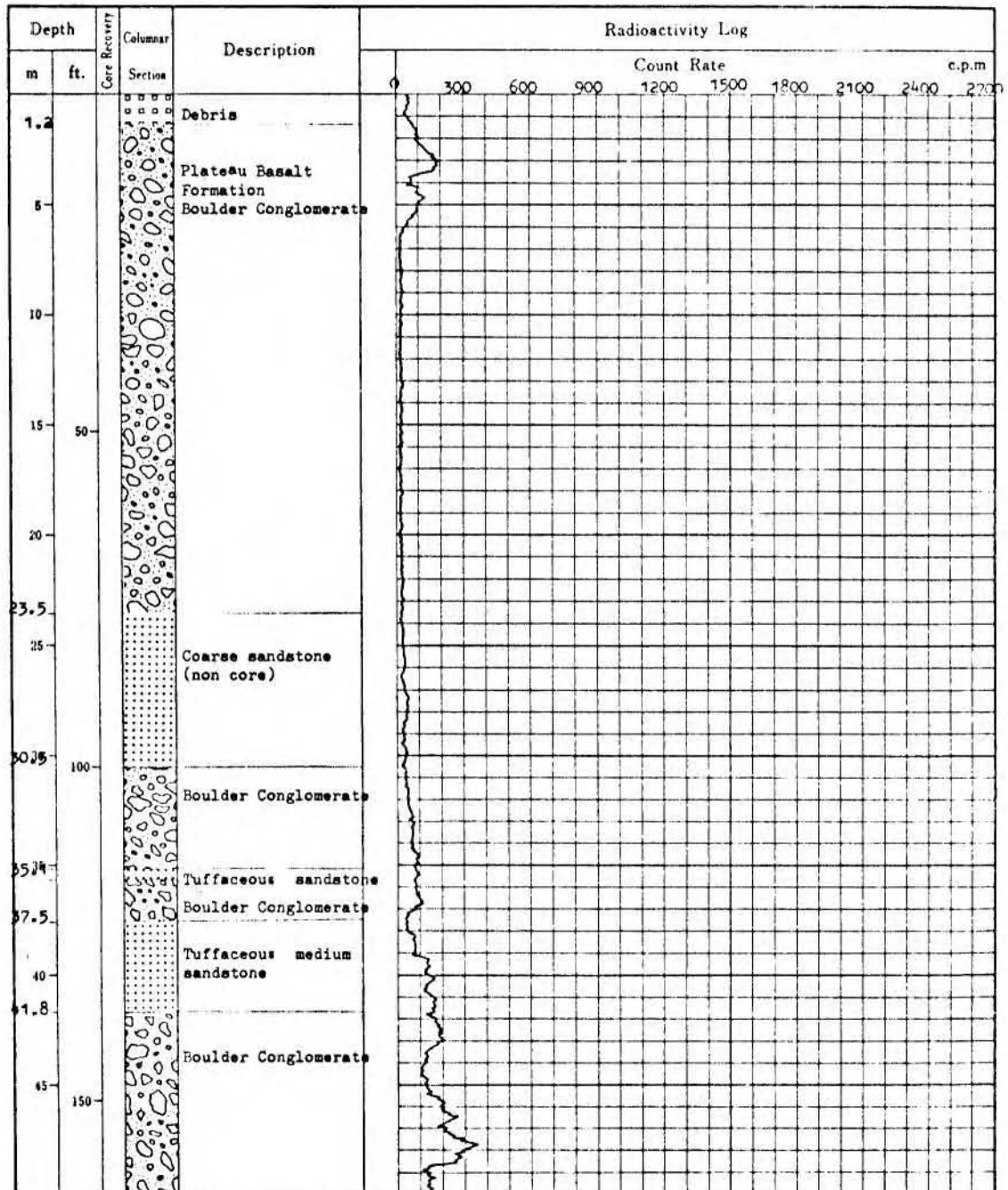


LOG AND PROBE SHEET

Method : D.D.
 Hole No. : B C P - 31
 Location : P B - 182
 Total Depth : 258 feet
 Hole Angle : Vertical
 Core Size : B Q
 Core Recovery : 25 %

Detector : Geiger G.P. 27
 Monitor : T C S - 603R
 Background : 50 c.p.m.
 Time Constant : 10 Seconds
 Date : July 19, 1974
 Logged & Probed by : Satoru Inazumi

Satoru Inazumi

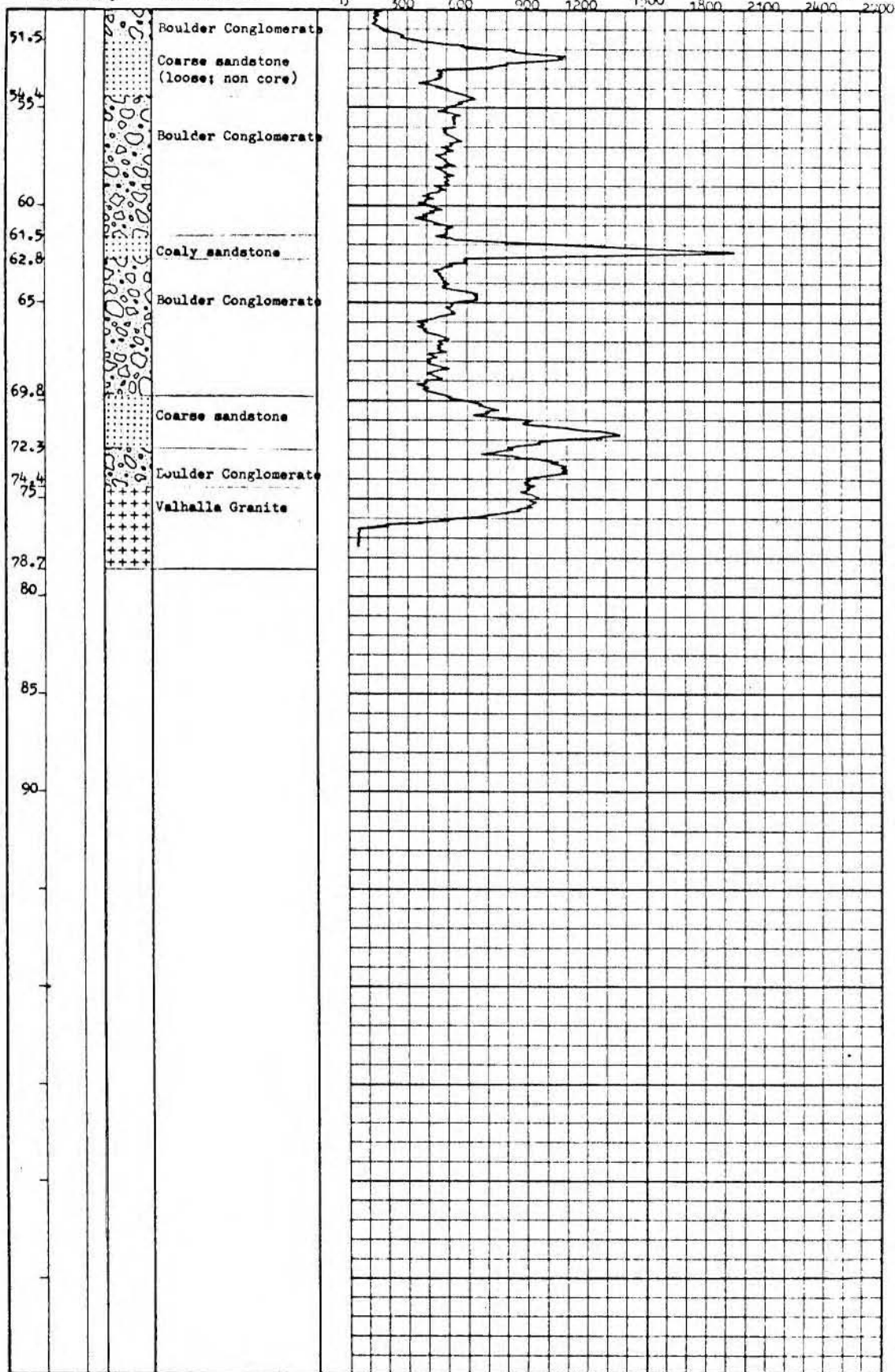


B C P - 31

(Continuation)

c.p.m

c.p.m

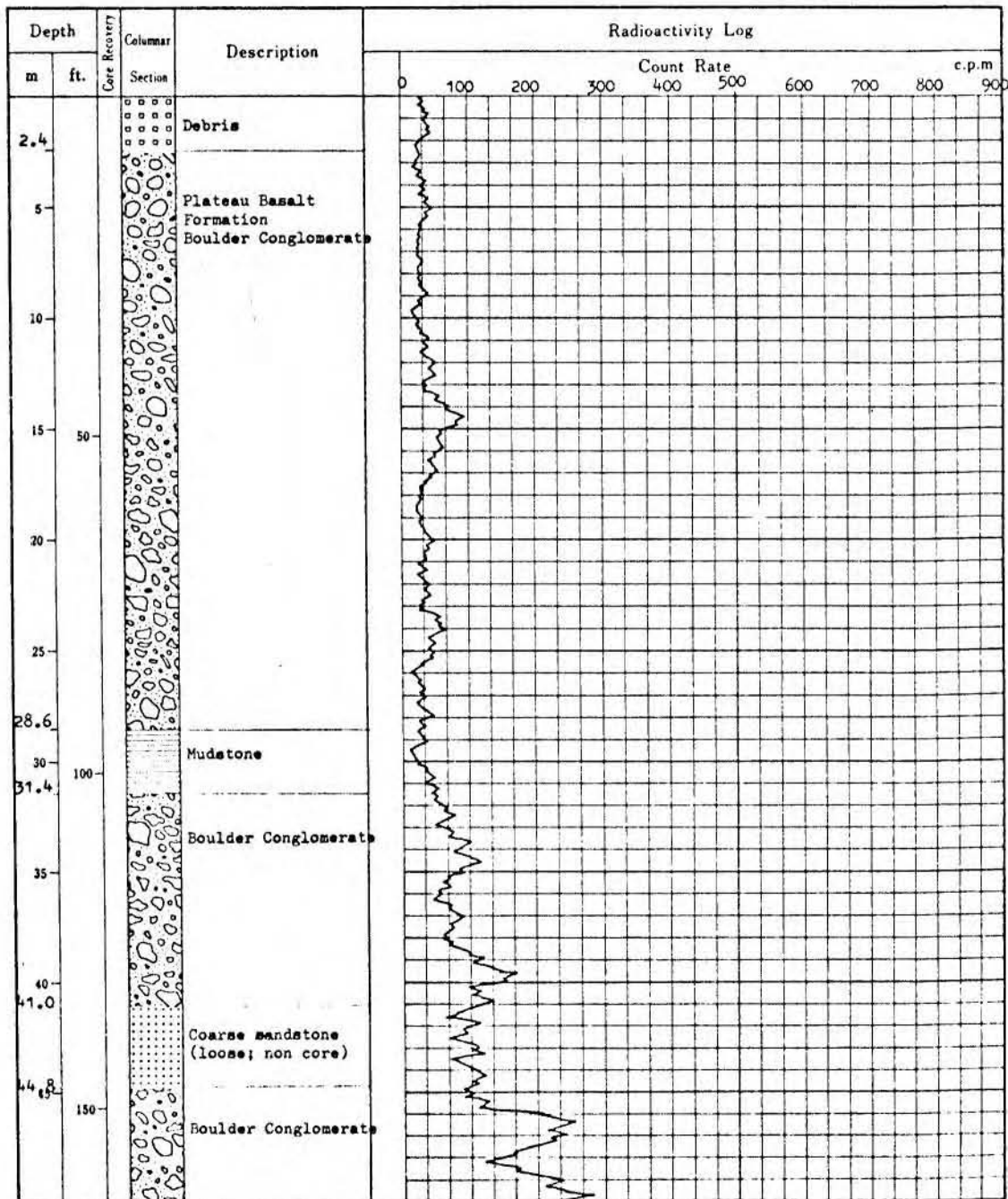


LOG AND PROBE SHEET

Method : D.D.
 Hole No. : B C P - 32
 Location : P B -122
 Total Depth : 274 feet
 Hole Angle : Vertical
 Core Size : B Q
 Core Recovery : 23 %

Detector : Geiger G.P. 27
 Monitor : T C S - 603R
 Background : 45 c.p.m.
 Time Constant : 10 Second
 Date : July 23, 1974
 Logged & Probed by : Satoru Inazumi

Satoru Inazumi

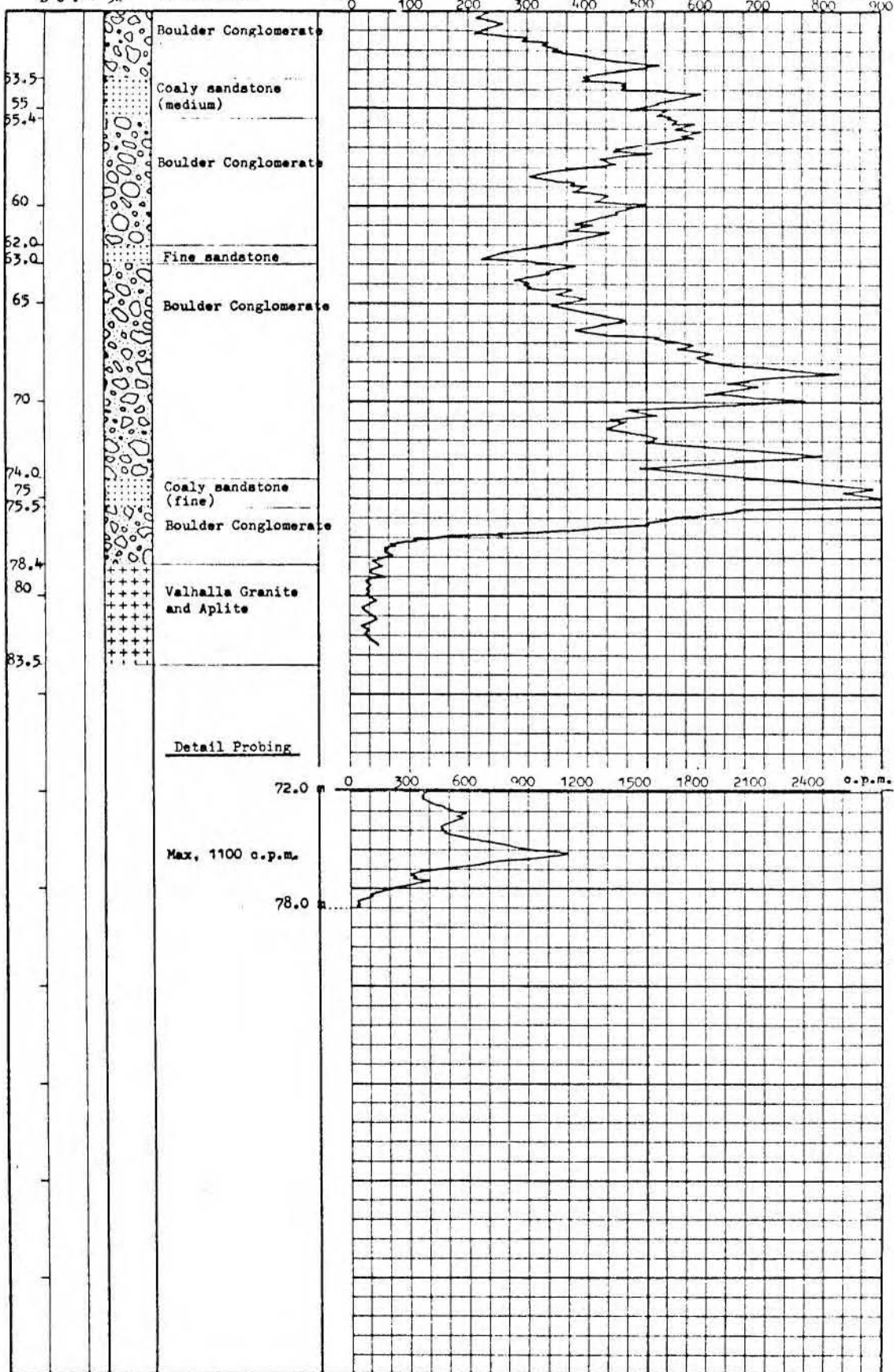


B C P - 32

(Continuation)

c.p.m

c.p.m

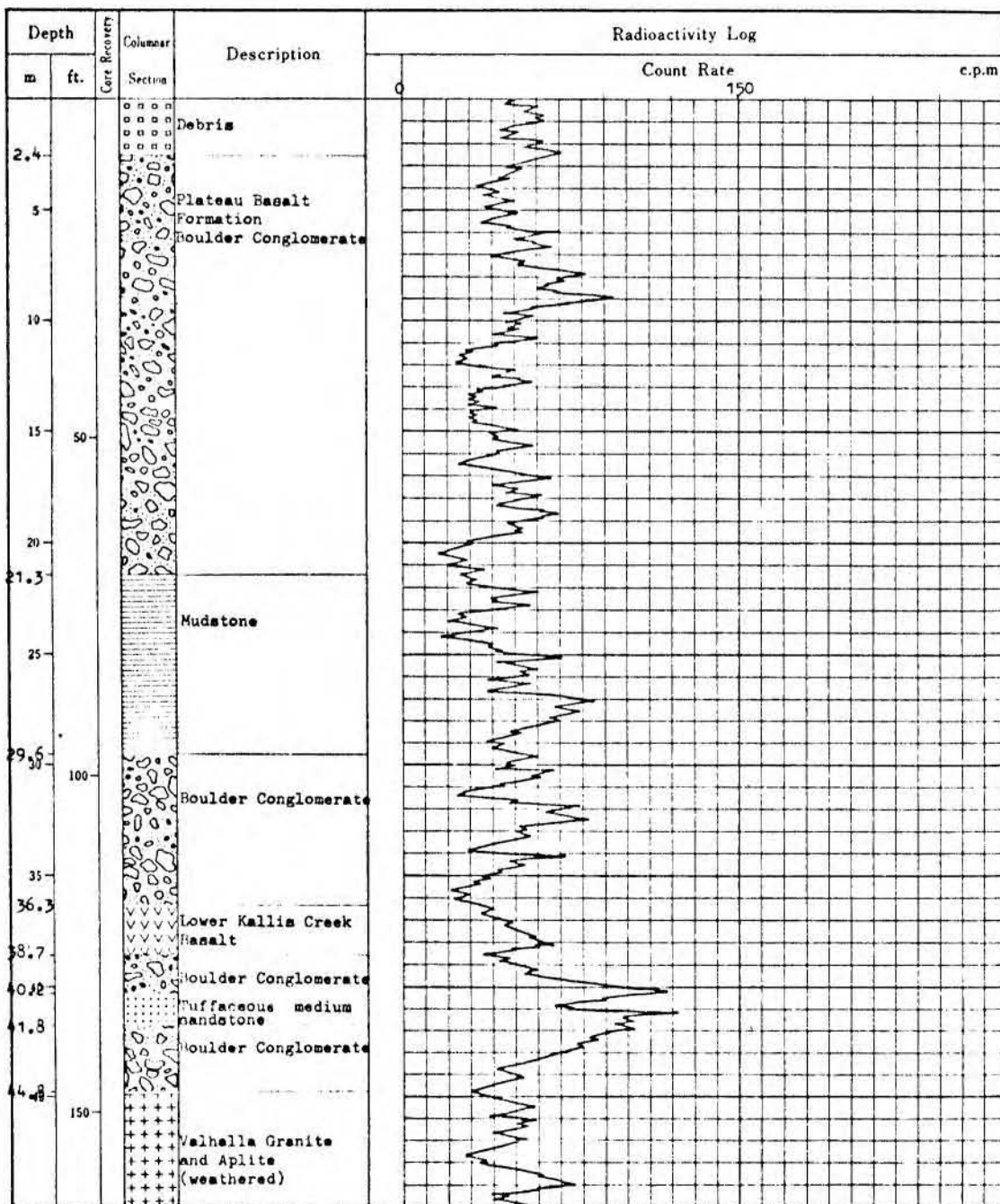


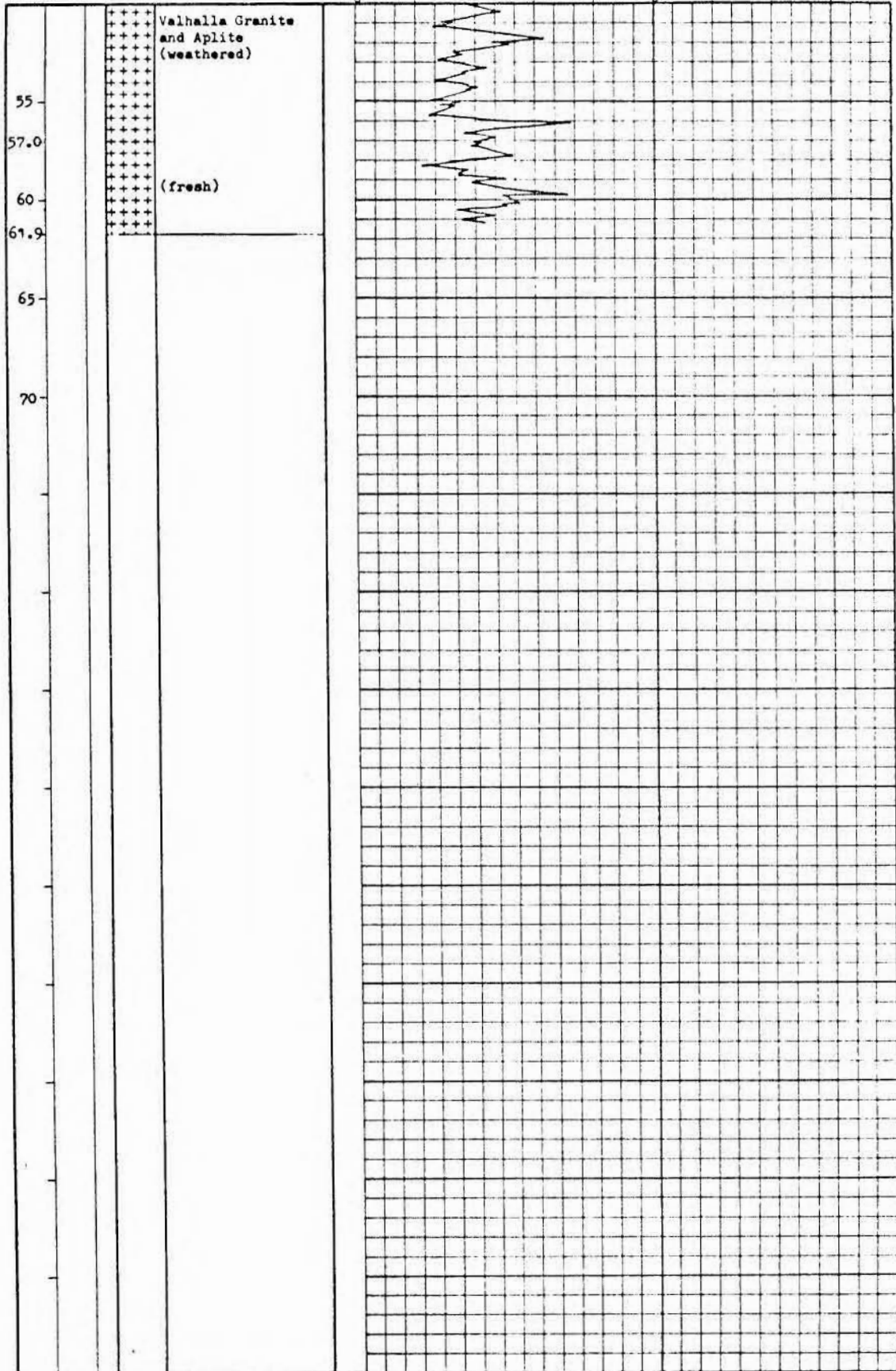
LOG AND PROBE SHEET

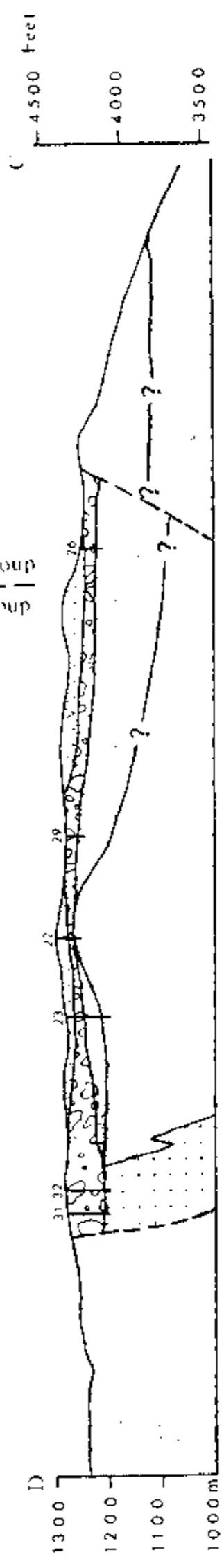
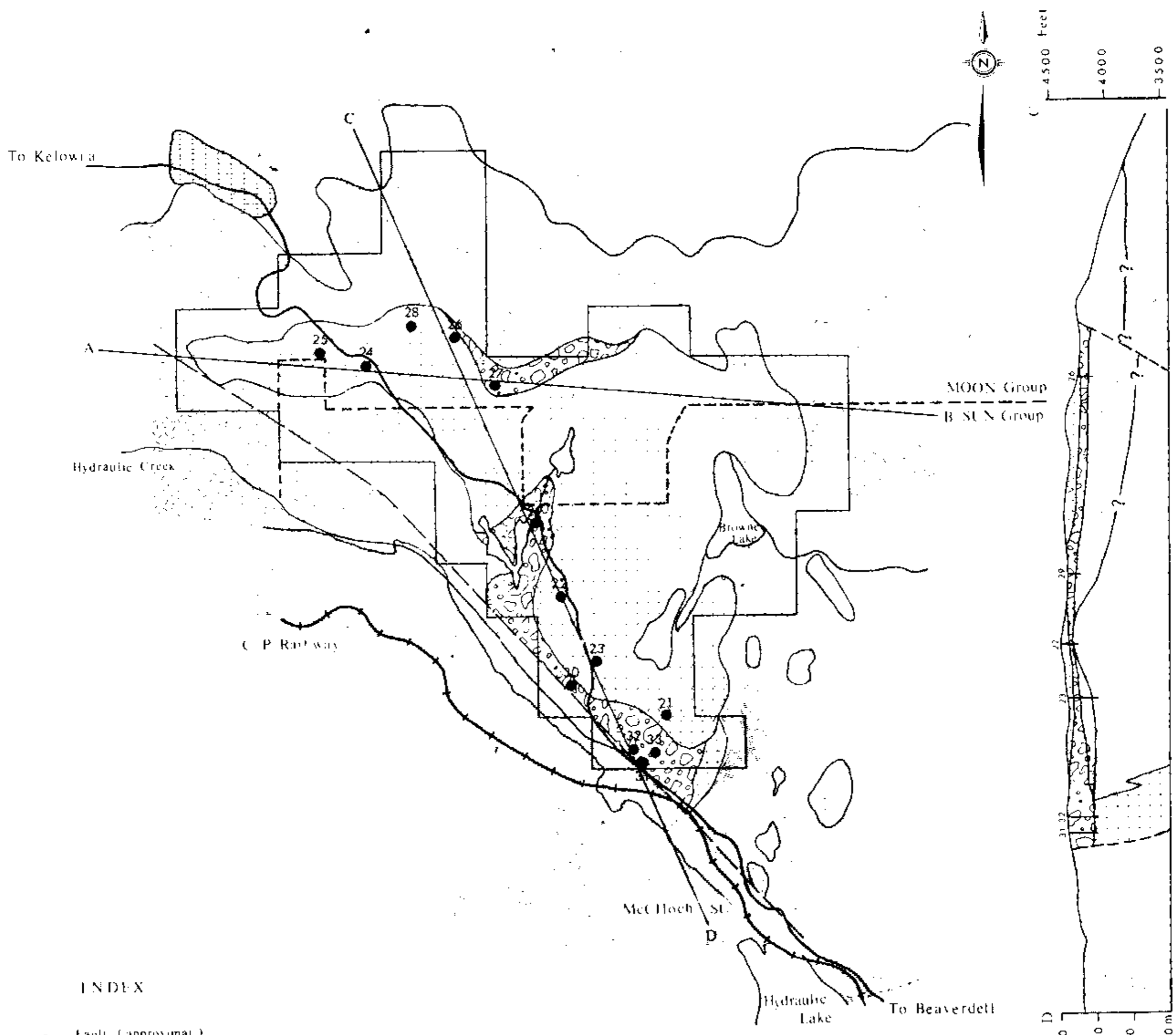
Method : D.D.
 Hole No. : B C P - 33
 Location : P B - 181
 Total Depth : 203 feet
 Hole Angle : Vertical
 Core Size : B Q
 Core Recovery : 45 %

Detector : Geiger G.P. 27
 Monitor : T C S - 603R
 Background : 50 c.p.m.
 Time Constant : 10 Second
 Date : July 24, 1974
 Logged & Probed by : Satoru Inazumi

Satoru Inazumi

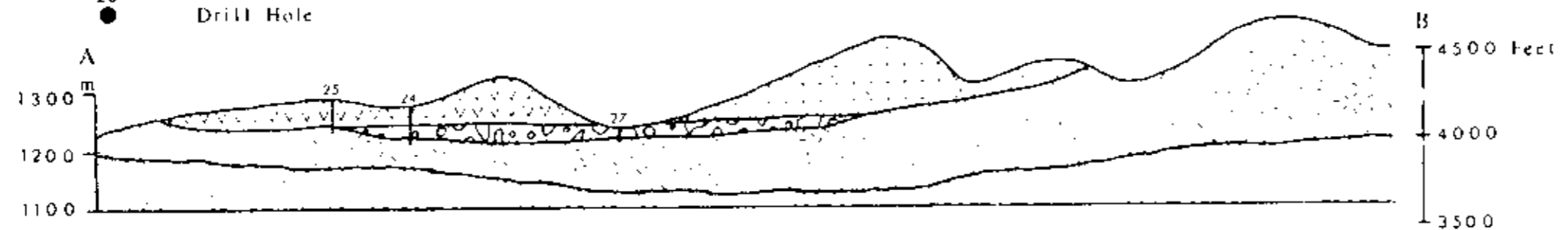






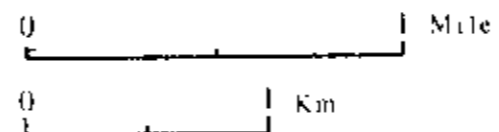
INDEX

- Fault (approximat)
- Kallis Creek Basalt } Plateau Basalt Formation
- Conglomerate & Sandstone }
- Tuff, Tuffaceous sandstone } Kettle River Formation
- Black shale & Conglomerate } --- Valhalla Intrusions
- Pegmatite Granite & Granodiorite } ----- Cache Creek Group
- Greenstone } ----- Monashee Group
- Biotite gneiss } -----
- 23 Drill Hole



Department of
 Mines and Petroleum Resources
 ASSESSMENT REPORT
 NO. **5090** MAP **#4**

Fig. 8-4-4 Geological Map	
PB <u>180-214</u> Mineral Claims B.C.	
Investigated by Satoru Inazumi	
Aug. 12, 1974	
Inspected by Toru Kikuchi P. Eng.	



To Kelowna

BM
3672

L 3095

L 3096

• 3998

Grouse
Creek

LITTLE WHITE MOUNTAIN

50'

• 4148

• 28

• 26

• 25

• 24

4000

L 3739

BM
4177

MOON Group
SUN Group

L 4774

ECOLOGICAL
RESERVE
No. 51

Dam

BM
4138

Browne
Lake

PROVINCIAL FOREST

• 29

OSOYOOS DIV

SIMILKAMEEN DIV

Dam

4200

Hydraulic
CANADIAN

4100

Fish
Lake

Long Meadow
L

Dam

PACIFIC
Creek

• 30

• 23

• 22

• 21

L 3234s

• 32

• 31

• 33

L 333s

Weddell

To Beaverdell



0 500 1000 Meter

0 0.5 1 Mile

• 21 Hole No BCP-21 Drilled in 1974

--- Logging Road

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 5090 MAP #5

Fig 8-4-5 Location Map of Drill Holes

PB 180 217 Mineral Claims B. C.

214, 249

Investigated by
Satoru Inazumi

August 12, 1974

Inspected by
Toru Kokuchi P. Eng.

5090
MAP 5