

DESCRIPTION OF QUADRANT / ADDITIONAL INFORMATION

EXCAVATION LOG

	Date	Type*	Location	Material #	Depth	Comments

* H Heavy Equipment, M Manual, V Vacuum

>2000 ppm, CEPA, Tier II, Tier I.

ANALYSIS LOG:

	Date	Sample [△]	Type [◇]	Results (ppm)	Comments
	18-Aug-01	158	S	16	Washing and movement of area has occurred, therefore checking before signing off.
					Quadrant finished.

△ Prefix RI01-

◇ S Soil, W Wood, M Metal, O Other

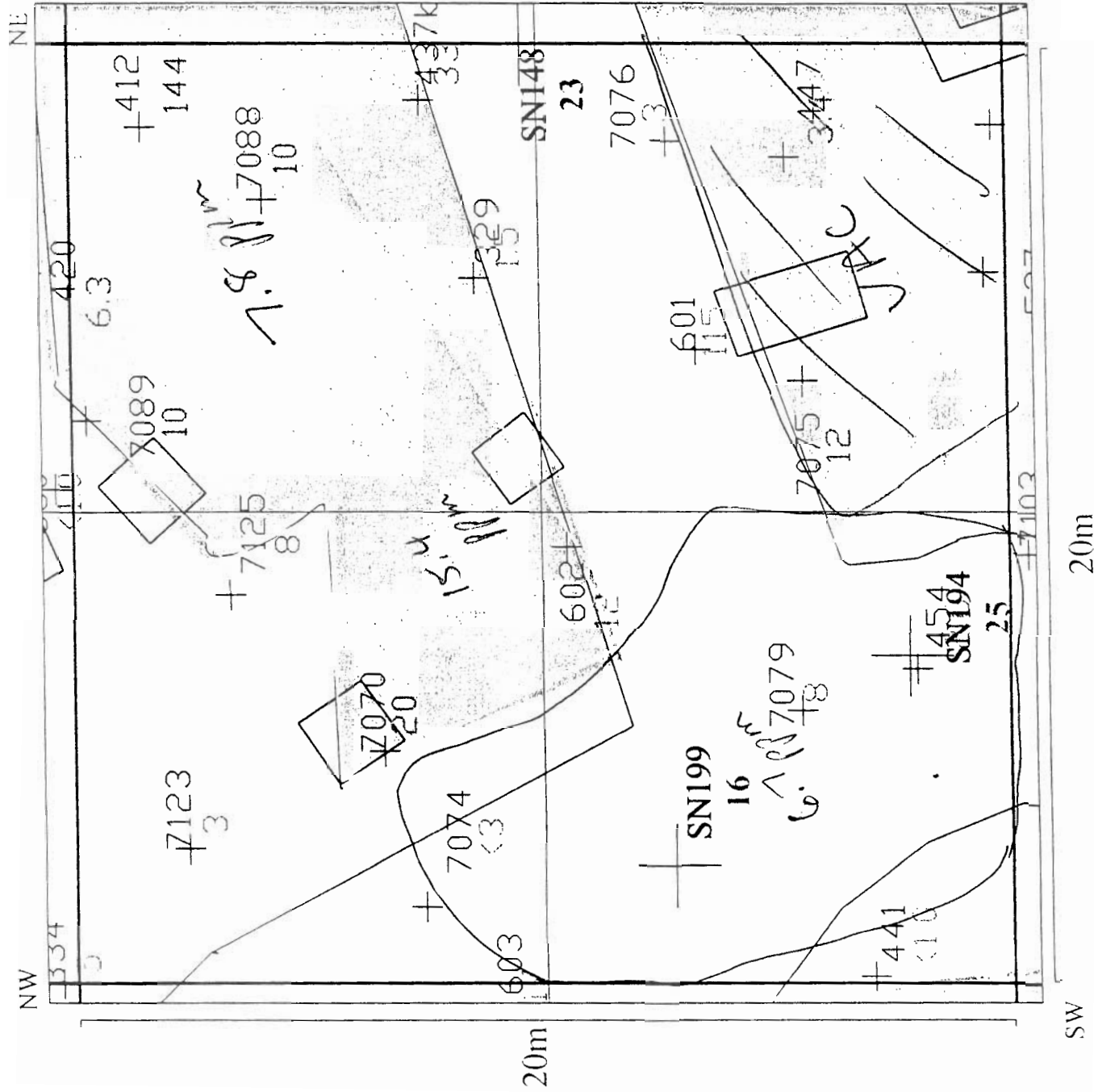
CERTIFICATION THAT ALL SOIL CONTAINING > 50 PPM PCBs IS REMOVED FROM QUADRANT

Allison Rutter 20 Aug 01
Queen's Representative Date

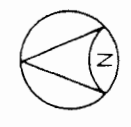
[Signature]
Engineer Representative

20/8/01
Date

[Signature] 20/8/01
QC Representative Date



H15



DATE: _____

COMMENTS:

SE

20m

SW

DESCRIPTION OF QUADRANT / ADDITIONAL INFORMATION

ENGINEERS' COPY

EXCAVATION LOG

Date	Type*	Location	Material #	Depth	Comments
20 JULY 01	H	Area leading to the >2000	CEPA	To bedrock.	<30cm to bedrock.
21 JULY 01	H	Area leading to green rope	CEPA	"	
22 JULY 01	H	Former CEPA pile.	TIER II/CEPA	—	Pile knocked over got access.
30 JULY 01	V	Area leading to the >2000	CEPA	Bedrock	Vacuumed then clean. Still added.
18 AUG 01	V	Rock Outcrop	CEPA	Bedrock	—

* H Heavy Equipment, M Manual, V Vacuum

>2000 ppm, CEPA, Tier II, Tier I.

ANALYSIS LOG:

Date	Sample [△]	Type [◇]	Results (ppm)	Comments
15 JULY 01	RI01-008	S	98.4	Start of season confirmation. Sediment from well.
20 JULY 01	RI01-033	S	74.5	Soil scraped but still CEPA. Vac Req'd.
21 JULY 01	RI01-013	S	>350	Sediment in hole. Archive bag at end of last season.
22 JULY 01	RI01-007	S	24.7	Pile now TIER II.
30 JULY 01	RI01-007			
3 AUG 01	RI01-074	S	12.4	Confirmed edge is Tier II.
4 AUG 01	RI01-072	S	>250	CEPA area. Vac required.
4 AUG 01	RI01-075	S	12.6	TIER II.

△ Prefix RI01-

◇ S Soil, W Wood, M Metal, O Other

CERTIFICATION THAT ALL SOIL CONTAINING > 50 PPM PCBs IS REMOVED FROM QUADRANT

G. Cairns 26/08/01
 Queen's Representative Date

[Signature] 26/08/01
 Engineer Representative Date

[Signature] 26/08/01
 QC Representative Date

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[illegible]

>2000 ppm, CEPA, Tier II, Tier I.

[illegible]

◇ S Soil, W Wood, M Metal, O Other

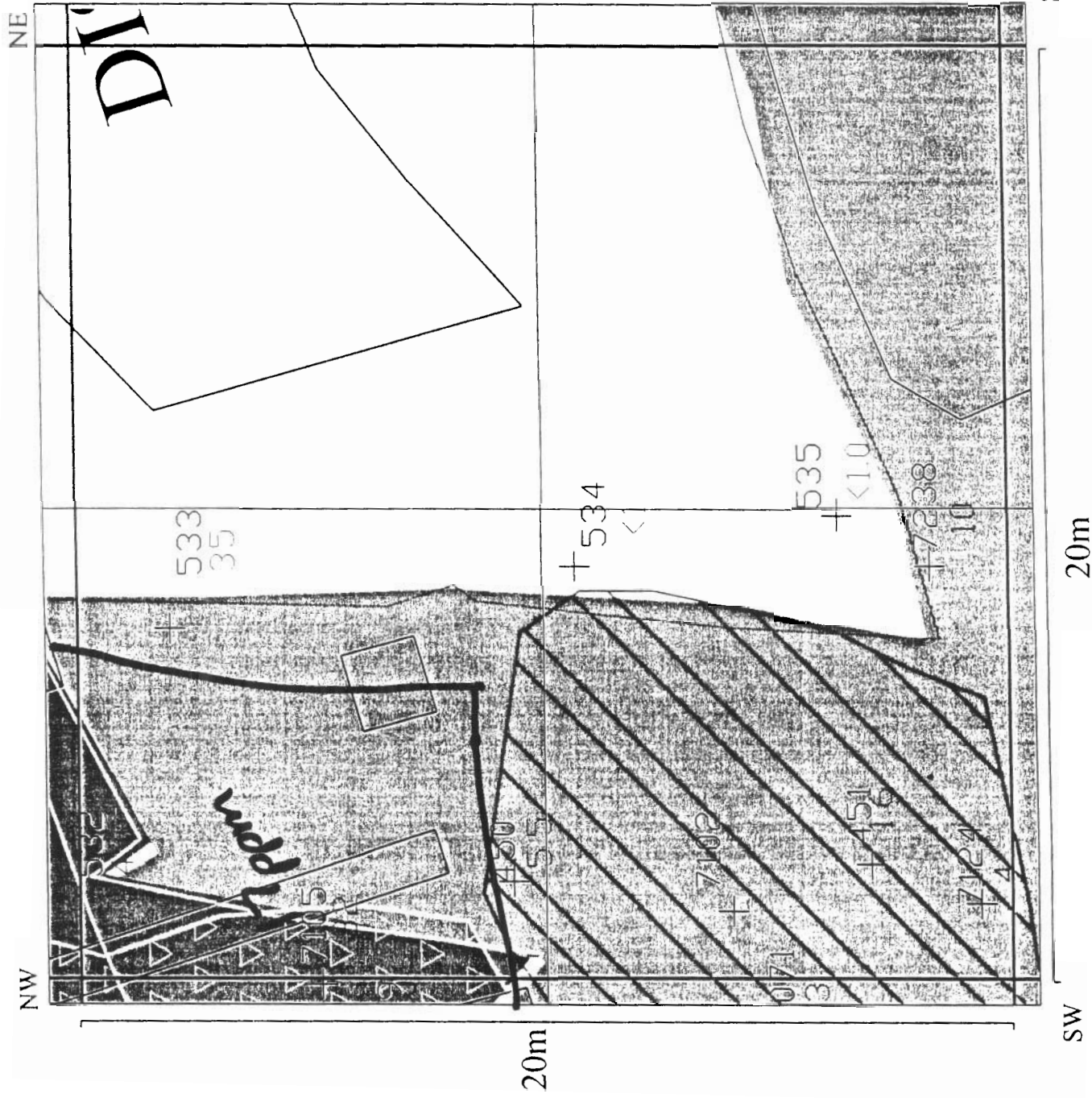
Queen's Representative Alison Rutter 20 Aug 01 Date

QC Representative [Signature] Aug 20/01 Date

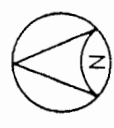



 Engineer Representative

 Date



- Black Tag or (SN) Sample Number
- Blue PCB Concentration (ppm)
- TIER I: PCB Concentration (1-5 ppm)
- TIER II: PCB Concentration (5-50 ppm)
- EPA: PCB Concentration (50-2000 ppm)
- EPA: PCB Concentration (> 2000 ppm)
- Pink Rope
- Green Rope
- Yellow Rope
- Blue Rope
- Road
- Areas Excavated/Vacuumed
- Debris Piles
- Clean Fill on TIER II



I14

DATE: _____

COMMENTS:

DESCRIPTION OF QUADRANT / ADDITIONAL INFORMATION

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EXCAVATION LOG

Date	Type*	Location	Material #	Depth	Comments
27 July 01	V	NE corner	CEPA	-	soil removed

* H Heavy Equipment, M Manual, V Vacuum

>2000 ppm, CEPA, Tier II, Tier I.

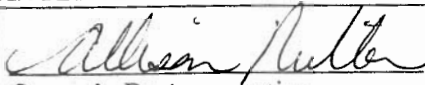
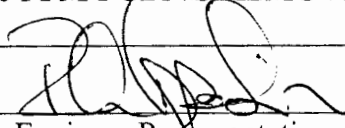
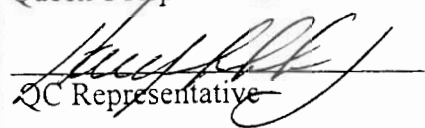
ANALYSIS LOG:

Date	Sample [△]	Type [◇]	Results (ppm)	Comments
15-JULY-01	012	S	53 ppm	Area scraped in 2000, therefore tested
18-Aug-01	159	S	30 ppm	} loose soil in area from movement checked
18-Aug-01	160	S	18 ppm	

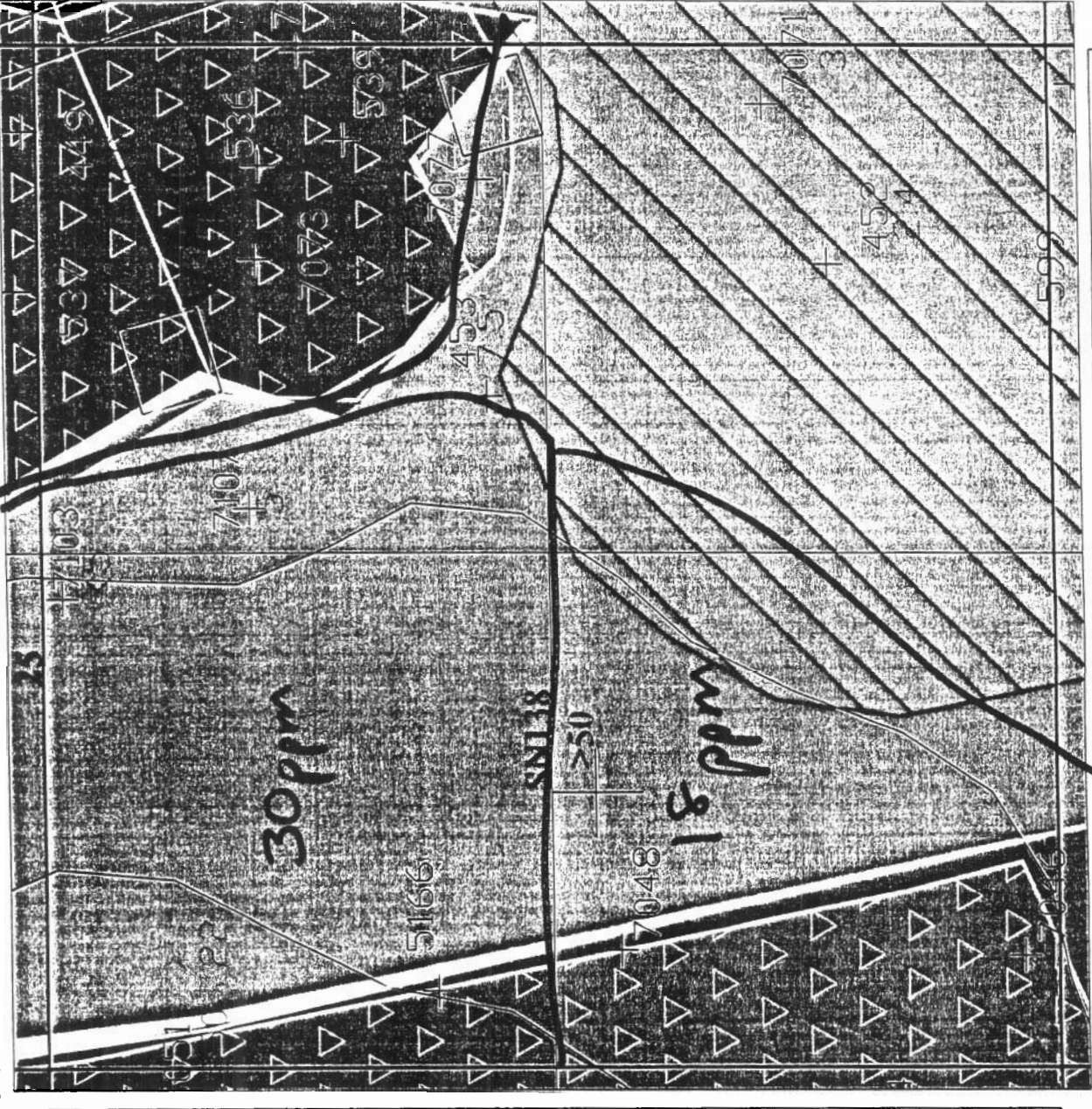
△ Prefix RI01-

◇ S Soil, W Wood, M Metal, O Other

CERTIFICATION THAT ALL SOIL CONTAINING > 50 PPM PCBs IS REMOVED FROM QUADRANT

 Queen's Representative	 Engineer Representative	 QC Representative
<u>20 Aug 01</u> Date	<u>20/08/01</u> Date	<u>Aug 20/01</u> Date

NW NE

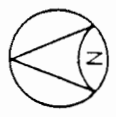


SW

20m

SE

- Black Tag or (SN) Sample Number
- White PCB Concentration (ppm)
- TIER I: PCB Concentration (1-5 ppm)
- TIER II: PCB Concentration (5-50 ppm)
- CEPA: PCB Concentration (50-2000 ppm)
- CEPA: PCB Concentration (> 2000 ppm)
- Pink Rope
- Green Rope
- Yellow Rope
- Blue Rope
- Road
- Areas Excavated/Vacuumed
- Debris Piles
- Clean Fill on TIER II



I15

DATE: _____

COMMENTS: _____

DESCRIPTION OF QUADRANT / ADDITIONAL INFORMATION

Engineers Copy.

EXCAVATION LOG

Date	Type*	Location	Material #	Depth	Comments
15 AUG-16 AUG 01	H	Under Trep A	CEPA	Bedrock	After
19 AUG 01	V	Fol of archway, sample 161	CEPA	Bedrock	
19 AUG 01	V	Sediment on platform,	CEPA	bedrock	
23 Aug 01	M	under dish / sample 152	CEPA	0-30cm	couldnt be accessed w/ heavy equipment
23 Aug 01	V	behind dish	CEPA	0-30 cm	

* H Heavy Equipment, M Manual, V Vacuum

>2000 ppm, CEPA, Tier II, Tier I.

ANALYSIS LOG:

Date	Sample [△]	Type [◇]	Results (ppm)	Comments
12 JUL 01	003	S	100	Area previously excavated. Still CEPA
16 AUG 01	174	S	102	Composite taken under end of Trep A
				Extends into JTB. → CEPA
18 AUG 01	152	S	121	Bottom of rock platform. Sediment from equipment cleaning. → CEPA
18 AUG 01	161	S	119	Area vac. last year, but now has a layer of soil → CEPA
19 AUG 01	120	S	750, >350	Soil on large rock outcrop.
19 AUG 01	141	S	5	Also in JTB. Rockier area of ship behind rock
19 Aug 01	200	S	750, 93	Also in JTB ship of sediment
23 Aug 01	201	S	<1 ppm	
27 Aug 01	223	S	4.0	

△ Prefix RI01-

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CERTIFICATION THAT ALL SOIL CONTAINING > 50 PPM PCBs IS REMOVED FROM QUADRANT

<u>G. Cross</u>	<u>31 Aug 01</u>	<u>Albeto</u>	<u>01/08/01</u>
Queen's Representative	Date	Engineer Representative	Date
<u>[Signature]</u>	<u>01/08/01</u>		
QC Representative	Date		

DESCRIPTION OF QUADRANT / ADDITIONAL INFORMATION

ENGINEER'S COPY

EXCAVATION LOG

Date	Type*	Location	Material #	Depth	Comments
28 July 01	H	>2000 ppm Area	>2000	To bedrock	0-30 cm in general
29 July 01	H	" "	"	"	" "
30 July	V	Top of grid in 2000 area	"	"	
31 July - 02 Aug	H	2000 area in grid	>2000	"	Scraping + filling of floor pits
Aug 08/01	V	>2000 area (SI)	Bedrock	-	Soil vac to bedrock +
- Aug 13					clean fill added.

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>2000 ppm, CEPA, Tier II, Tier I.

ANALYSIS LOG:

Date	Sample [△]	Type [◇]	Results (ppm)	Comments
Aug 3/01	RI01-077	S	>250	Composite soil samples taken all over grid from remaining soil. All samples high ∴ vac of remaining soil required.
"	RI01-080	S	96.6	
"	RI01-105	S	>250	
"	RI01-045	S	118.2	
Aug 19/01	RI01-141	S	5	(also in I16)
Aug 19/01	RI01-150	S	>50; 59	also in I16
Aug 19/01	RI01-200	S	>50; 94	(also in I16)
Aug 24/01	RI01-216	S	15.4; 28.8	Final area in grid now TIER II

△ Prefix RI01-

◇ S Soil, W Wood, M Metal, O Other

CERTIFICATION THAT ALL SOIL CONTAINING > 50 PPM PCBs IS REMOVED FROM QUADRANT

G. Cantor 26/08/01.
Queen's Representative Date

[Signature] 26/08/01
Engineer Representative Date

[Signature] 26/08/01
QC Representative Date

DESCRIPTION OF QUADRANT / ADDITIONAL INFORMATION

EXCAVATION LOG

	Date	Type*	Location	Material #	Depth	Comments
	28-JULY-01	H	7200ppm in	72000	-	The 7200ppm soil
	29-JULY-01		S1 area	ppm		was scraped to make a
						pile down slope + put
						into flower pots
	July 31 - Aug 26	H	S1 Area	>2000ppm	Bedrock	loose soil was scraped
						by 315

* H Heavy Equipment, M Manual, V Vacuum

>2000 ppm, CEPA, Tier II, Tier I.

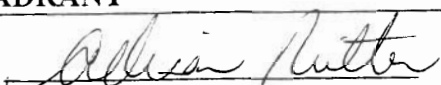
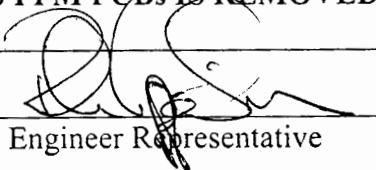
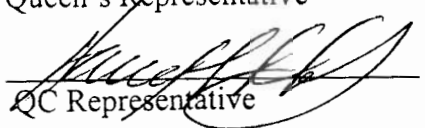
ANALYSIS LOG:

	Date	Sample [△]	Type [◇]	Results (ppm)	Comments
	3 Aug - 01	105	S	7250	Composite samples taken in S1
		045	S	118.2	
					(>2000ppm area) The soil was scraped to bedrock by heavy equipment. The soil in >2000ppm must be vacuumed

△ Prefix RI01-

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CERTIFICATION THAT ALL SOIL CONTAINING > 50 PPM PCBs IS REMOVED FROM QUADRANT

	20 Aug 01		20/08/01
Queen's Representative	Date	Engineer Representative	Date
	Aug 20/01		
QC Representative	Date		

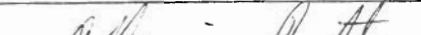
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Date	Type*	Location	Material #	Depth	Comments
6-Aug-01	H	CEPA Area in this quadrant	CEPA	30cm	Excavate soil + retest
8-13-Aug-01	V	72000 area in S1	72000	Bedrock	Vacuumed + clean fill was added
7-Aug-01	H	CEPA area	CEPA	30cm	—
8-Aug-01	V	72000ppm S1 area	72000ppm	Bedrock	soil vacuumed + clean fill added

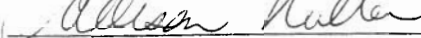
>2000 ppm, CEPA, Tier II, Tier I.

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◇ S Soil, W Wood, M Metal, O Other




Queen's Representative 20 Aug 01 Date 20/08/01 Date

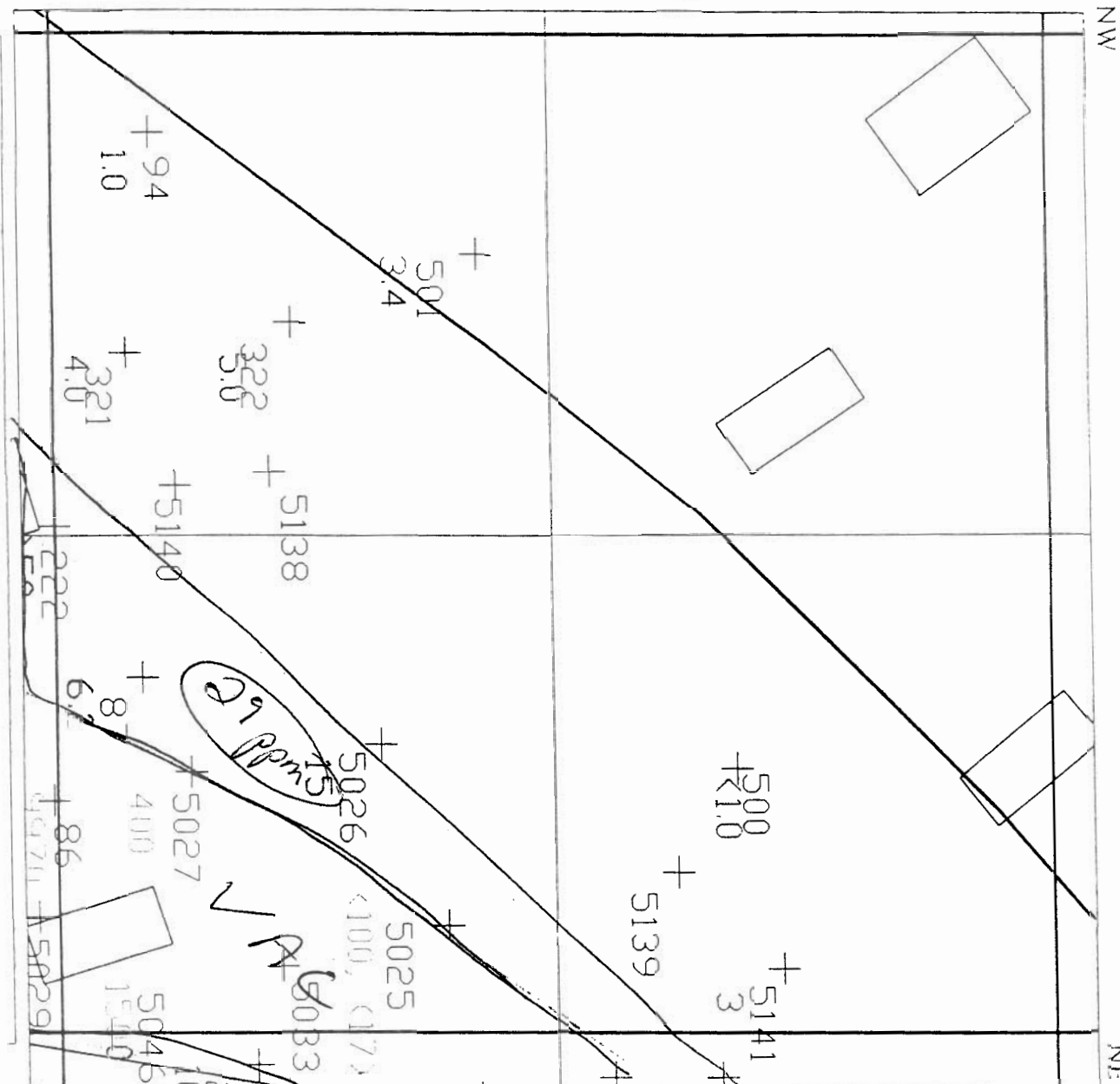



QC Representative 20/8/01 Date 20/8/01 Date

NW

NE

SW



Back Page of (S/N) Sample Number

PC B (concentration (ppm))

TH R I PC B (concentration (1-5 ppm))

TH R II PC B (concentration (5-50 ppm))

CI PA PC B (concentration (50-2000 ppm))

CI PA PC B (concentration (2000 ppm))

Peak Rope

Green Rope

Yellow Rope

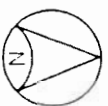
Blue Rope

Road

Areas Excavated/Vacuumed

Debris Piles

Clean Fill on TH R II



118

DATE: _____

COMMENTS:

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Engineers Copy

EXCAVATION LOG

Date	Type*	Location	Material #	Depth	Comments
13 Aug 01	H	CEPA area below TROPO A	CEPA	30m	Soil excavated (30m). Already
15-16 Aug 01	H	CEPA area near tropo A	CEPA	bedrock	down to bedrock.
18 Aug 01	H	Arduway	CEPA	30m	Prior to vacuuming.
21 Aug 01	H	Arduway	CEPA	30m	Excavation of arduway
					next 30cms.
"	H	Arduway	CEPA	to bedrock	Area now taken down to bedrock.

* H Heavy Equipment, M Manual, V Vacuum

>2000 ppm, CEPA, Tier II, Tier I.

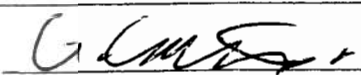
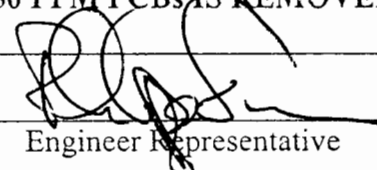
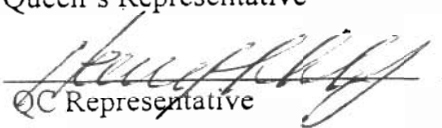
ANALYSIS LOG:

Date	Sample [△]	Type [◇]	Results (ppm)	Comments
15/July 01	023	S	97.9	CEPA. (Re test of area beside tropo)
13/Aug 01	163	S	42	Composite sample of area excavated.
16/Aug 01	171	S	13	
"	173	S	8; 13	
"	174	S	102	
18 Aug 01	151	S	< 1ppm	Strip of soil along CEPA boundary
18 Aug 01	112	S	82	
"	176	S	105	Arduway after 30m removed.
21 Aug 01	180	S	144	
"	179	S	84	2nd 30cm increment.
"	191	S	95	
22 Aug 01	132	S	750	Area taken down to bedrock.
"	175	S	750	
23 Aug 01	209	S	< 1ppm	CEPA soil mistakenly placed here. Now
				Requires to be re-scraped.

△ Prefix R01-

◇ S Soil, W Wood, M Metal, O Other

CERTIFICATION THAT ALL SOIL CONTAINING > 50 PPM PCBs IS REMOVED FROM QUADRANT

	<u>20/Aug 01</u>		<u>31/08/01</u>
Queen's Representative	Date	Engineer Representative	Date
	<u>31/01</u>		
QC Representative	Date		