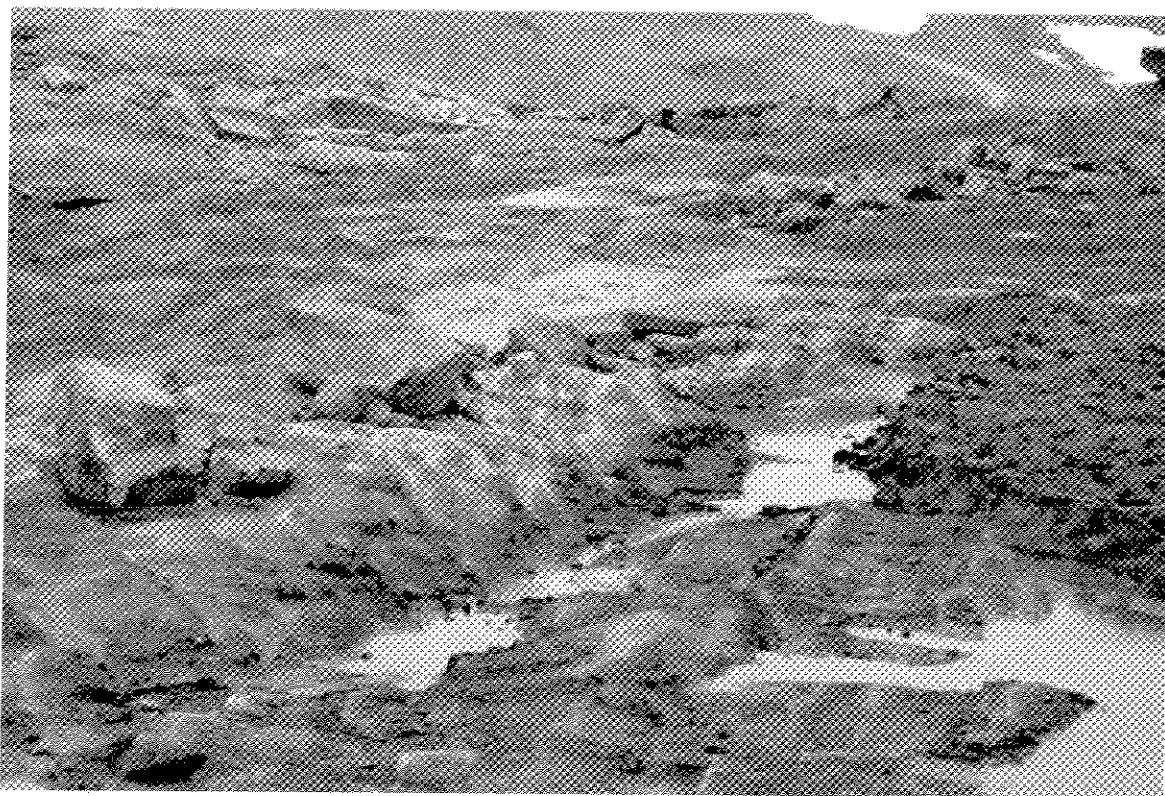


**Photograph II-11: Placing Stockpiled Tier II Soil Into Trucks That Transported It to the Tier II Landfill**

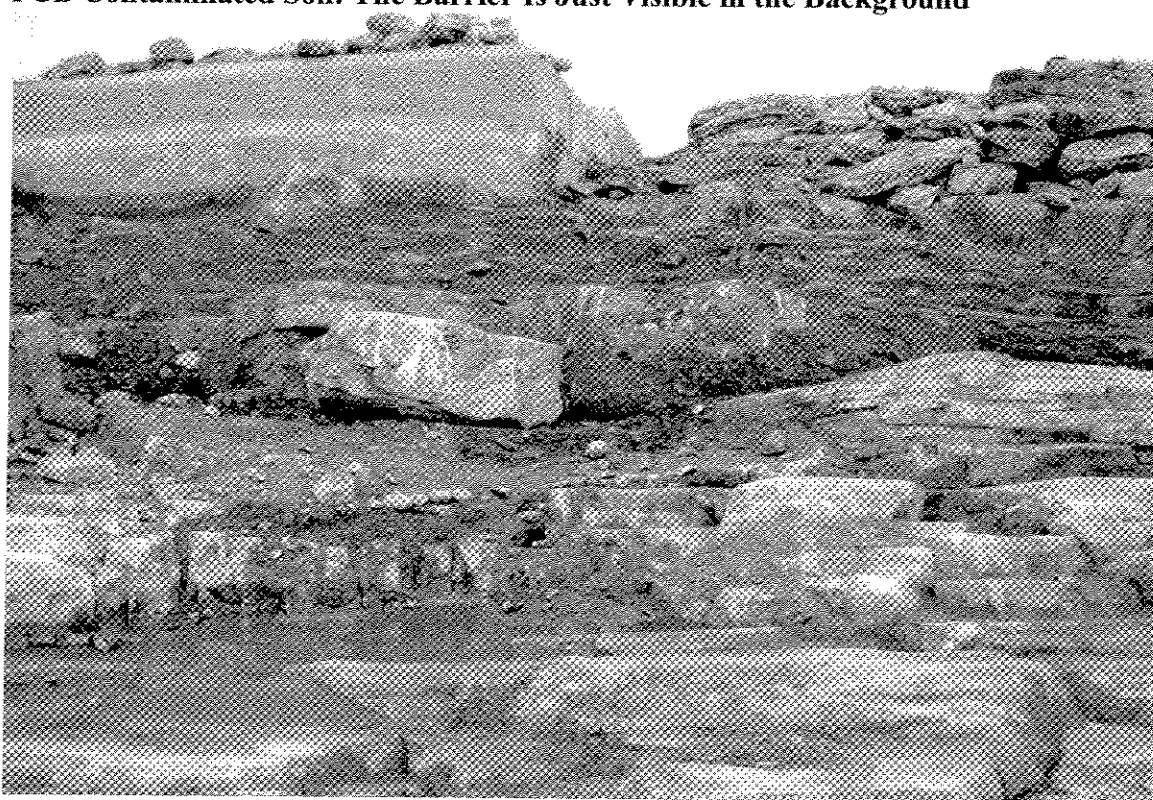


**Photograph II-12: Dave Lorenzen Heavy Equipment Operator Extraordinaire**





**Photograph II-13: The End of the S1/S4 Valley After Removal of all Tier II and Tier I PCB Contaminated Soil: The Barrier Is Just Visible in the Background**



**Photograph II-14: Most of the S1/S4 Buildings Area was Scraped to Bedrock in Removing Tier II and Tier I Soils**



**Table II-2: PCB Concentrations in Soil Samples Collected During Excavation at the S1/S4 Buildings and Valley Areas**

Sample prefix RI05-	Date Sampled	Quadrant	PCB (ppm)
084	03-Jul-05	N16	12.0
109	03-Jul-05	M15	23
121	04-Jul-05	J14	30
122	04-Jul-05	I13	12.0
123	04-Jul-05	I12	6.5
124	04-Jul-05	I13	16.0
111	05-Jul-05	I13	810
131	05-Jul-05	I12	29
132	05-Jul-05	I12	6.7
119	06-Jul-05	I12	9.1
143	06-Jul-05	I12	23
142	06-Jul-05	I12	23
144	06-Jul-05	I12	3.4
141	06-Jul-05	I13	1.8
133	06-Jul-05	I13	12.0
118	07-Jul-05	I12	12.0
120	07-Jul-05	I12	8.7
145	07-Jul-05	I12	22
146	07-Jul-05	I12	4.3
148	08-Jul-05	I11	75
110	09-Jul-05	I12	31
150	07-Jul-05	I13	415
147	07-Jul-05	I11	50
149	07-Jul-05	I12	19.0
157	12-Jul-05	I14	<1.0
158	12-Jul-05	J14	<1.0
159	12-Jul-05	J14	<1.0

Sample prefix RI05-	Date Sampled	Quadrant	PCB (ppm)
160	12-Jul-05	J15	2.1
165	12-Jul-05	I12	9.0
166	12-Jul-05	J15	23
167	12-Jul-05	I14	<1.0
168	12-Jul-05	I15	305
169	14-Jul-05	F6	18.3
207	15-Jul-05	F6	29
208	15-Jul-05	F6	16.7
209	15-Jul-05	G16	<1.0
210	15-Jul-05	H16	1.3
215	16-Jul-05	F6	65
221	16-Jul-05	I13	350
222	16-Jul-05	I13	1050
223	16-Jul-05	J13	27
224	16-Jul-05	I13	25
225	16-Jul-05	F16	1.0
226	16-Jul-05	G16	3.2
234	17-Jul-05	F6	51
235	17-Jul-05	I12	3.3
241	18-Jul-05	I12	1.5
242	18-Jul-05	H12	1.5
243	18-Jul-05	H12	18.6
244	18-Jul-05	H11	43
245	18-Jul-05	H11	205
246	18-Jul-05	H11	40
247	18-Jul-05	H10	16.7
248	18-Jul-05	H10	4.4
249	18-Jul-05	G13	3.6
251	18-Jul-05	G13	2.1

Sample prefix RI05-	Date Sampled	Quadrant	PCB (ppm)
252	18-Jul-05	J17	1.4
253	18-Jul-05	I13	1.6
254	18-Jul-05	I13	1.3
232	19-Jul-05	J17	<1.0
236	19-Jul-05	J17	2.3
237	19-Jul-05	J18	1.3
238	19-Jul-05	K17	1.9
239	19-Jul-05	K18	2.3
250	19-Jul-05	J16	<1.0
255	19-Jul-05	J18	<1.0
287	20-Jul-05	I13	114
288	20-Jul-05	I12	2.9
233	20-Jul-05	I12	33
258	20-Jul-05	H11	14.2
296	21-Jul-05	F6	12.7
280	23-Jul-05	O19	<1.0
285	23-Jul-05	O18	<1.0
286	23-Jul-05	N17	<1.0
289	23-Jul-05	N16	<1.0
290	23-Jul-05	O17	<1.0
256	25-Jul-05	D8	<1.0
291	25-Jul-05	E7	<1.0
305	25-Jul-05	E7	<1.0
306	25-Jul-05	F8	<1.0
307	25-Jul-05	E8	<1.0
308	25-Jul-05	E8	<1.0
309	25-Jul-05	D7	<1.0
310	25-Jul-05	E7	<1.0
170	28-Jul-05	I12	4.1

## **E. PCL Dump**

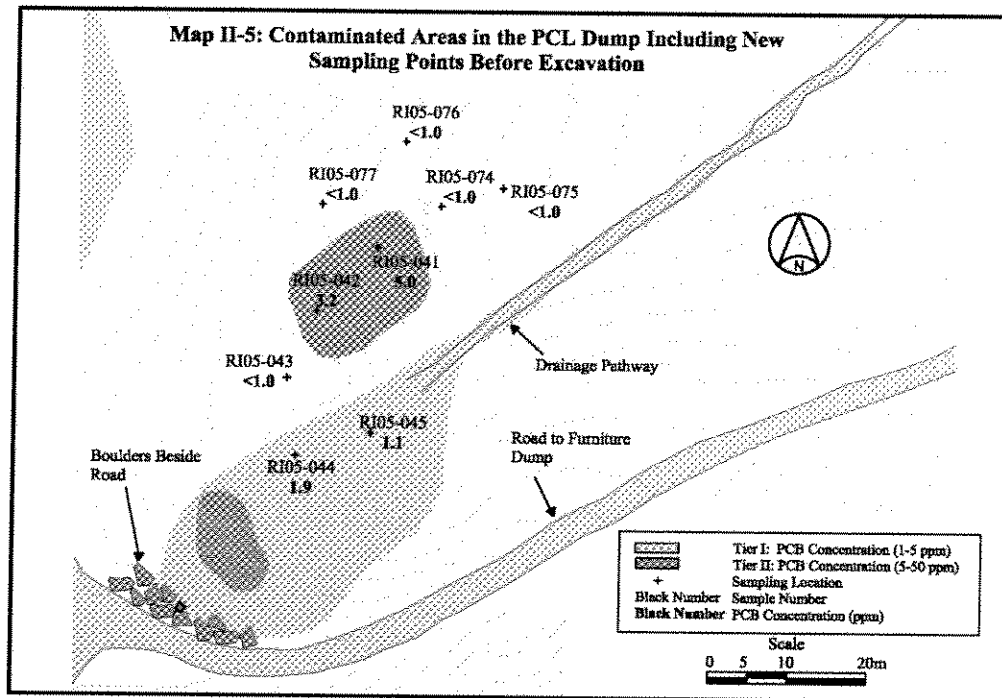
### *1. Background*

This dump is named after the company that constructed the short Range Radar station at Resolution Island during the period 1990-1994. They placed debris in the area but the location had previously been used as a dump for metal waste including a vehicle and barrels (Photographs II-15 and II-16). The dump and its long drainage pathway were delineated in 1994 and debris moved from the area in 1998. The dump itself was re-sampled in 1999 and PCBs at levels > 50 ppm found at two points. As a result the area was fully delineated in 2000 and approximately 15 m<sup>3</sup> of CEPA soil excavated from the area in 2002.

### *2. Soil Excavation*

The PCL dump was roped off to define the Tier I and Tier II contaminated areas. Additional sampling was required to re-establish the Tier I and Tier II boundaries at this location. Map II-5 shows the delineated area as established in 2002 and the additional sampling points. Table II-3 gives the PCB levels found in the nine samples taken. All Tier I and Tier 2 soil were then excavated from the PCL dump and its drainage pathway. The contamination in this pathway runs all the way to the cliff edge, and concerns were raised regarding the stability of the cliff face with an excavator at its edge. Excavation was, therefore, terminated 20 metres from the cliff edge where the terrain became quite rocky. All excavations in the dump and its drainage pathway were to bedrock and therefore no confirmatory testing was necessary (Photograph II-16).





**Photograph II-15: Debris in the PCL Dump From the Polevault Station Operation and More Recent Activities**

