REPORT TO
THE CITY OF GUELPH

PHASE II ENVIRONMENTAL SITE ASSESSMENT
FORMER IMICO PROPERTY
200 BEVERLEY STREET
GUELPH, ONTARIO

VOLUME III:

DRAWINGS AND BOREHOLE LOGS

Prepared by:

DECOMMISSIONING CONSULTING SERVICES LIMITED
121 Granton Drive, Unit 11
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CANADA

December 2007

49520-1

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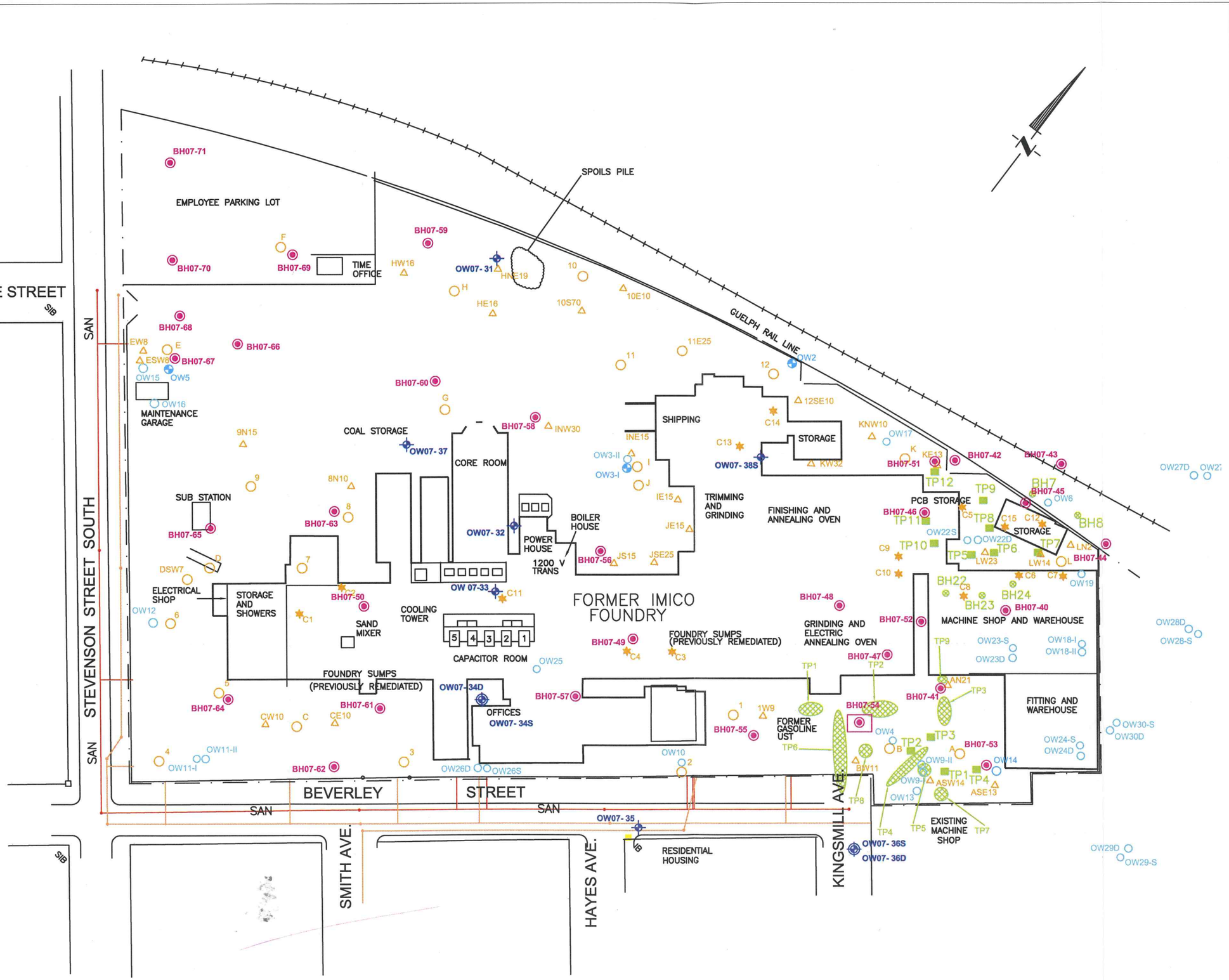

LEGEND:

SAMPLING LOCATIONS - DCS

- OW 07-36S — SHALLOW MONITORING WELL IN ROCK
- OW07- 36D — DEEP MONITORING WELL IN ROCK
- BH07-39 — SHALLOW BOREHOLE

SAMPLING LOCATIONS - OTHERS

- L — TEST PIT LOCATION (BY PROCTOR & REDFERN),1990.
- 10S70 — TEST PIT LOCATION (ADDITIONAL BY PROCTOR & REDFERN),1990.
- C10 — COREHOLE LOCATON (BY PROCTOR & REDFERN),1990.
- OW3-I — MONITORING WELL (BY PROCTOR & REDFERN), 1990.
- OW6 — MONITORING WELL (BY GARTNER LEE), VARIOUS YEARS.
- TP9 — TEST PIT (BY GARTNER LEE), 2000.
- TP10 — TEST PIT (BY GARTNER LEE), 1999.
- BH7 — BOREHOLE LOCATION (BY GARTNER LEE), VARIOUS YEARS.

REFERENCE:

* ENVIRONMENTAL INVESTIGATION, INTERNATIONAL MALLEABLE IRON COMPANY, 200 BEVERLEY STREET, CITY OF GUELPH - BY PROCTOR AND REDFERN LIMITED, JUNE 1991.

* SUPPLEMENTAL HYDROGEOLOGIC INVESTIGATION, FORMER IMICO SITE - BY GARTNER LEE LIMITED, MARCH 1999.

* INTRUSIVE (TEST PIT) INVESTIGATION, FORMER IMICO FOUNDRY SITE - BY GARTNER LEE LIMITED, JULY 2000.

* INTERIM GROUNDWATER MONITORING REPORT, FORMER IMICO SITE, SUMMER 2006 GROUNDWATER MONITORING EVENTS - BY GARTNER LEE LIMITED, OCTOBER 2006.

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200 BEVERLEY STREET, CITY OF GUELPH

FORMER IMICO FACILITY PHASE II ESA

BOREHOLE AND MONITORING WELL LOCATIONS

DEC. 2007	1:1250	49520-PII-4.1

LEGEND:

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- OW6 — MONITORING WELL (BY GARTNER LEE), VARIOUS YEARS.
- 314.00 m — INFERRED POTENTIOMETRIC SURFACE (0.5 m CONTOUR INTERVAL)

REFERENCE:

* ENVIRONMENTAL INVESTIGATION, INTERNATIONAL MALLEABLE IRON COMPANY, 200 BEVERLEY STREET, CITY OF GUELPH - BY PROCTOR AND REDFERN LIMITED, JUNE 1991.

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FORMER IMICO FACILITY
PHASE II ESA

POTENTIOMETRIC SURFACE - OVERBURDEN/SHALLOW BEDROCK

DEC. 2007	1:1250	49520-PII-4.2

LEGEND:

- OW 07-36S — SHALLOW MONITORING WELL IN ROCK
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- 314.00 m — INFERRED POTENTIOMETRIC SURFACE (0.5 m CONTOUR INTERVAL)

ALICE STREET

SIB

SAN

STEVENSON STREET SOUTH

SAN

SIB

BH07-71

EMPLOYEE PARKING LOT

SPOILS PILE

BH07-59

OW07- 31

BH07-70

BH07-69

TIME OFFICE

GUELPH RAIL LINE

OW2

BH07-68

BH07-66

BH07-67

OW15

OW5

OW16

MAINTENANCE GARAGE

BH07-60

BH07-58

COAL STORAGE

OW07- 37

CORE ROOM

SHIPPING

STORAGE

OW3-II

313.020

OW3-I

OW07- 38S

OW17

BH07-51

BH07-42

BH07-43

313.00 m

OW27D

OW27-S

312.560

BH07-45

OW6

SUB STATION

BH07-65

BH07-63

OW07- 32

POWER HOUSE

BOILER HOUSE

1200 V TRANS

BH07-56

TRIMMING AND GRINDING

FINISHING AND ANNEALING OVEN

PCB STORAGE

BH07-46

OW22S

STORAGE

312.900

BH07-44

OW19

ELECTRICAL SHOP

STORAGE AND SHOWERS

BH07-50

OW12

SAND MIXER

COOLING TOWER

OW 07-33

FORMER IMICO FOUNDRY

BH07-48

313.00 m

BH07-40

MACHINE SHOP AND WAREHOUSE

BH07-52

OW28D

312.370

OW28-S

313.00 m

OW23-S

OW18-I

OW18-II

313.480

OW23D

312.870

BH07-49

FOUNDRY SUMPS (PREVIOUSLY REMEDIATED)

GRINDING AND ELECTRIC ANNEALING OVEN

BH07-47

CAPACITOR ROOM

OW25

313.150

FOUNDRY SUMPS (PREVIOUSLY REMEDIATED)

OW07-34D

BH07-57

BH07-41

FITTING AND WAREHOUSE

BH07-54

BH07-64

BH07-61

OFFICES

OW07- 34S

BH07-55

FORMER GASOLINE UST

OW4

313.000

OW30-S

OW30D

OW24-S

OW24D

312.920

BH07-53

OW11-II

313.000

OW11-I

BH07-62

OW26D

312.920

OW10

OW9-II

312.910

OW14

313.320

OW9-I

313.050

OW13

313.00 m

BEVERLEY STREET

SAN

SAN

OW07- 35

SMITH AVE.

HAYES AVE.

KINGSMILL AVE.

EXISTING MACHINE SHOP

RESIDENTIAL HOUSING

OW07- 36S

312.870

OW07- 36D

313.00 m

OW29D

312.710

OW29-S

REFERENCE:

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DCS

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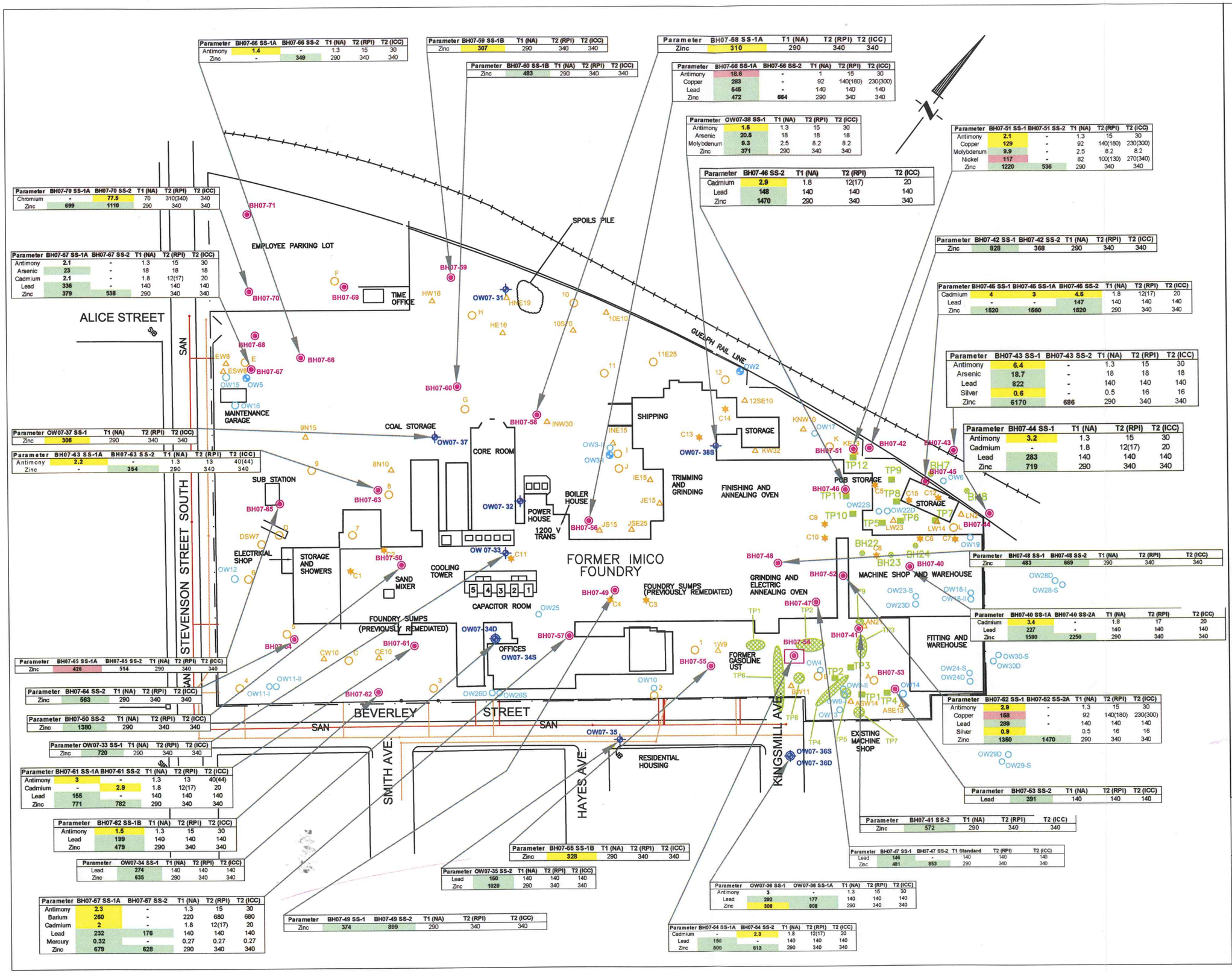
200 BEVERLEY STREET, CITY OF GUELPH

FORMER IMICO FACILITY PHASE II ESA

POTENTIOMETRIC SURFACE - BEDROCK

DEC. 2007	1:1250	49520-PII-4.3



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- TP10 — TEST PIT (BY GARTNER LEE), 1999.
- BH7 — BOREHOLE LOCATION (BY GARTNER LEE), VARIOUS YEARS.

- - EXCEEDS PROPOSED TABLE 1 STANDARDS
- - EXCEEDS PROPOSED TABLE 2, RESIDENTIAL/ PARKLAND/INSTITUTIONAL STANDARDS
- - EXCEEDS PROPOSED TABLE 2 INDUSTRIAL/ COMMERCIAL/COMMUNITY STANDARDS

T1 (NA) - TABLE 1 - NON AGRICULTURAL LAND USE STANDARDS

T2 (RPI) - TABLE 2 -RESIDENTIAL/PARKLAND/ INSTITUTIONAL STANDARDS

T2 (ICC) - TABLE 2 - INDUSTRIAL/COMMERCIAL/ COMMUNITY STANDARDS

NOTE:

TABLE 1 AND 2 STANDARDS SHOWN FROM MOE DOCUMENT DATED MARCH 28, 2007

REFERENCE:

* ENVIRONMENTAL INVESTIGATION, INTERNATIONAL MALLEABLE IRON COMPANY, 200 BEVERLEY STREET, CITY OF GUELPH - BY PROCTOR AND REDFERN LIMITED, JUNE 1991.

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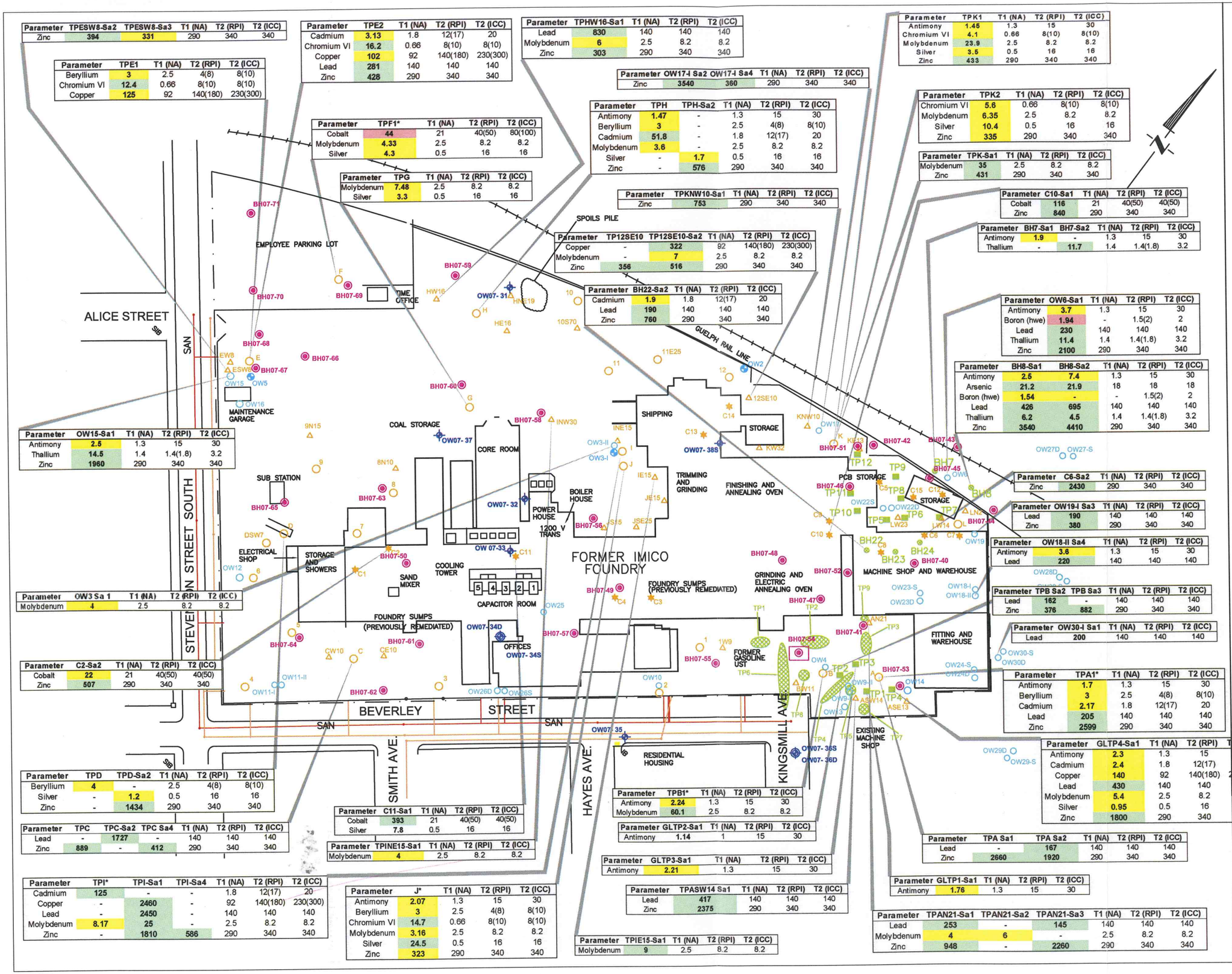
200 BEVERLEY STREET, CITY OF GUELPH

FORMER IMICO FACILITY
PHASE II ESA
METAL EXCEEDANCES -
2007 INVESTIGATION (SOIL)
(MOE PROPOSED STANDARDS)

DEC. 2007	1:1500	49520-PII-6.1



Parameter	TPESW8-Sa2	TPESW8-Sa3	T1 (NA)	T2 (RPI)	T2 (ICC)
Zinc	394	331	290	340	340

Parameter	TPE1	T1 (NA)	T2 (RPI)	T2 (ICC)
Beryllium	3	2.5	4(8)	8(10)
Chromium VI	12.4	0.66	8(10)	8(10)
Copper	125	92	140(180)	230(300)

Parameter	TPE2	T1 (NA)	T2 (RPI)	T2 (ICC)
Cadmium	3.13	1.8	12(17)	20
Chromium VI	16.2	0.66	8(10)	8(10)
Copper	102	92	140(180)	230(300)
Lead	281	140	140	140
Zinc	428	290	340	340

Parameter	TPF1*	T1 (NA)	T2 (RPI)	T2 (ICC)
Cobalt	44	21	40(50)	80(100)
Molybdenum	4.33	2.5	8.2	8.2
Silver	4.3	0.5	16	16

Parameter	TPG	T1 (NA)	T2 (RPI)	T2 (ICC)
Molybdenum	7.48	2.5	8.2	8.2
Silver	3.3	0.5	16	16

Parameter	TPHW16-Sa1	T1 (NA)	T2 (RPI)	T2 (ICC)
Lead	830	140	140	140
Molybdenum	6	2.5	8.2	8.2
Zinc	303	290	340	340

Parameter	OW17-I Sa2	OW17-I Sa4	T1 (NA)	T2 (RPI)	T2 (ICC)
Zinc	3540	360	290	340	340

Parameter	TPH	TPH-Sa2	T1 (NA)	T2 (RPI)	T2 (ICC)
Antimony	1.47	-	1.3	15	30
Beryllium	3	-	2.5	4(8)	8(10)
Cadmium	51.8	-	1.8	12(17)	20
Molybdenum	3.6	-	2.5	8.2	8.2
Silver	-	1.7	0.5	16	16
Zinc	-	576	290	340	340

Parameter	TPKNW10-Sa1	T1 (NA)	T2 (RPI)	T2 (ICC)
Zinc	753	290	340	340

Parameter	TP12SE10	TP12SE10-Sa2	T1 (NA)	T2 (RPI)	T2 (ICC)
Copper	-	322	92	140(180)	230(300)
Molybdenum	-	7	2.5	8.2	8.2
Zinc	356	516	290	340	340

Parameter	BH22-Sa2	T1 (NA)	T2 (RPI)	T2 (ICC)
Cadmium	1.9	1.8	12(17)	20
Lead	190	140	140	140
Zinc	760	290	340	340

Parameter	TPK1	T1 (NA)	T2 (RPI)	T2 (ICC)
Antimony	1.45	1.3	15	30
Chromium VI	4.1	0.66	8(10)	8(10)
Molybdenum	23.9	2.5	8.2	8.2
Silver	3.5	0.5	16	16
Zinc	433	290	340	340

Parameter	TPK2	T1 (NA)	T2 (RPI)	T2 (ICC)
Chromium VI	5.6	0.66	8(10)	8(10)
Molybdenum	6.35	2.5	8.2	8.2
Silver	10.4	0.5	16	16
Zinc	335	290	340	340

Parameter	TPK-Sa1	T1 (NA)	T2 (RPI)	T2 (ICC)
Molybdenum	35	2.5	8.2	8.2
Zinc	431	290	340	340

Parameter	C10-Sa1	T1 (NA)	T2 (RPI)	T2 (ICC)
Cobalt	116	21	40(50)	40(50)
Zinc	840	290	340	340

Parameter	BH7-Sa1	BH7-Sa2	T1 (NA)	T2 (RPI)	T2 (ICC)
Antimony	1.9	-	1.3	15	30
Thallium	-	11.7	1.4	1.4(1.8)	3.2

Parameter	OW6-Sa1	T1 (NA)	T2 (RPI)	T2 (ICC)
Antimony	3.7	1.3	15	30
Boron (hwe)	1.94	-	1.5(2)	2
Lead	230	140	140	140
Thallium	11.4	1.4	1.4(1.8)	3.2
Zinc	2100	290	340	340

Parameter	BH8-Sa1	BH8-Sa2	T1 (NA)	T2 (RPI)	T2 (ICC)
Antimony	2.5	7.4	1.3	15	30
Arsenic	21.2	21.9	18	18	18
Boron (hwe)	1.54	-	-	1.5(2)	2
Lead	426	695	140	140	140
Thallium	6.2	4.5	1.4	1.4(1.8)	3.2
Zinc	3540	4410	290	340	340

Parameter	OW15-Sa1	T1 (NA)	T2 (RPI)	T2 (ICC)
Antimony	2.5	1.3	15	30
Thallium	14.5	1.4	1.4(1.8)	3.2
Zinc	1960	290	340	340

Parameter	OW3 Sa 1	T1 (NA)	T2 (RPI)	T2 (ICC)
Molybdenum	4	2.5	8.2	8.2

Parameter	C2-Sa2	T1 (NA)	T2 (RPI)	T2 (ICC)
Cobalt	22	21	40(50)	40(50)
Zinc	507	290	340	340

Parameter	TPD	TPD-Sa2	T1 (NA)	T2 (RPI)	T2 (ICC)
Beryllium	4	-	2.5	4(8)	8(10)
Silver	-	1.2	0.5	16	16
Zinc	-	1434	290	340	340

Parameter	TPC	TPC-Sa2	TPC Sa4	T1 (NA)	T2 (RPI)	T2 (ICC)
Lead	-	1727	-	140	140	140
Zinc	889	-	412	290	340	340

Parameter	TPI*	TPI-Sa1	TPI-Sa4	T1 (NA)	T2 (RPI)	T2 (ICC)
Cadmium	125	-	-	1.8	12(17)	20
Copper	-	2460	-	92	140(180)	230(300)
Lead	-	2450	-	140	140	140
Molybdenum	8.17	25	-	2.5	8.2	8.2
Zinc	-	1810	586	290	340	340

Parameter	C11-Sa1	T1 (NA)	T2 (RPI)	T2 (ICC)
Cobalt	393	21	40(50)	40(50)
Silver	7.8	0.5	16	16

Parameter	TPINE15-Sa1	T1 (NA)	T2 (RPI)	T2 (ICC)
Molybdenum	4	2.5	8.2	8.2

Parameter	J*	T1 (NA)	T2 (RPI)	T2 (ICC)
Antimony	2.07	1.3	15	30
Beryllium	3	2.5	4(8)	8(10)
Chromium VI	14.7	0.66	8(10)	8(10)
Molybdenum	3.16	2.5	8.2	8.2
Silver	24.5	0.5	16	16
Zinc	323	290	340	340

Parameter	TPIE15-Sa1	T1 (NA)	T2 (RPI)	T2 (ICC)
Molybdenum	9	2.5	8.2	8.2

Parameter	TPB1*	T1 (NA)	T2 (RPI)	T2 (ICC)
Antimony	2.24	1.3	15	30
Molybdenum	60.1	2.5	8.2	8.2

Parameter	GLTP2-Sa1	T1 (NA)	T2 (RPI)	T2 (ICC)
Antimony	1.14	1	15	30

Parameter	GLTP3-Sa1	T1 (NA)	T2 (RPI)	T2 (ICC)
Antimony	2.21	1.3	15	30

Parameter	TPASW14 Sa1	T1 (NA)	T2 (RPI)	T2 (ICC)
Lead	417	140	140	140
Zinc	2375	290	340	340

Parameter	C6-Sa2	T1 (NA)	T2 (RPI)	T2 (ICC)
Zinc	2430	290	340	340

Parameter	OW19-I Sa3	T1 (NA)	T2 (RPI)	T2 (ICC)
Lead	190	140	140	140
Zinc	380	290	340	340

Parameter	OW18-II Sa4	T1 (NA)	T2 (RPI)	T2 (ICC)
Antimony	3.6	1.3	15	30
Lead	220	140	140	140

Parameter	TPB Sa2	TPB Sa3	T1 (NA)	T2 (RPI)	T2 (ICC)
Lead	162	-	140	140	140
Zinc	376	882	290	340	340

Parameter	OW30-I Sa1	T1 (NA)	T2 (RPI)	T2 (ICC)
Lead	200	140	140	140

Parameter	TPA1*	T1 (NA)	T2 (RPI)	T2 (ICC)
Antimony	1.7	1.3	15	30
Beryllium	3	2.5	4(8)	8(10)
Cadmium	2.17	1.8	12(17)	20
Lead	205	140	140	140
Zinc	2599	290	340	340

Parameter	GLTP4-Sa1	T1 (NA)	T2 (RPI)	T
Antimony	2.3	1.3	15	
Cadmium	2.4	1.8	12(17)	
Copper	140	92	140(180)	2
Lead	430	140	140	
Molybdenum	5.4	2.5	8.2	
Silver	0.95	0.5	16	
Zinc	1800	290	340	

Parameter	TPA Sa1	TPA Sa2	T1 (NA)	T2 (RPI)	T2 (ICC)
Lead	-	167	140	140	140
Zinc	2660	1920	290	340	340

Parameter	GLTP1-Sa1	T1 (NA)	T2 (RPI)	T2 (ICC)
Antimony	1.76	1.3	15	30

Parameter	TPAN21-Sa1	TPAN21-Sa2	TPAN21-Sa3	T1 (NA)	T2 (RPI)	T2 (ICC)
Lead	253	-	145	140	140	140
Molybdenum	4	6	-	2.5	8.2	8.2
Zinc	948	-	2260	290	340	340

LEGEND:

SAMPLING LOCATIONS - DCS

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NOTE:

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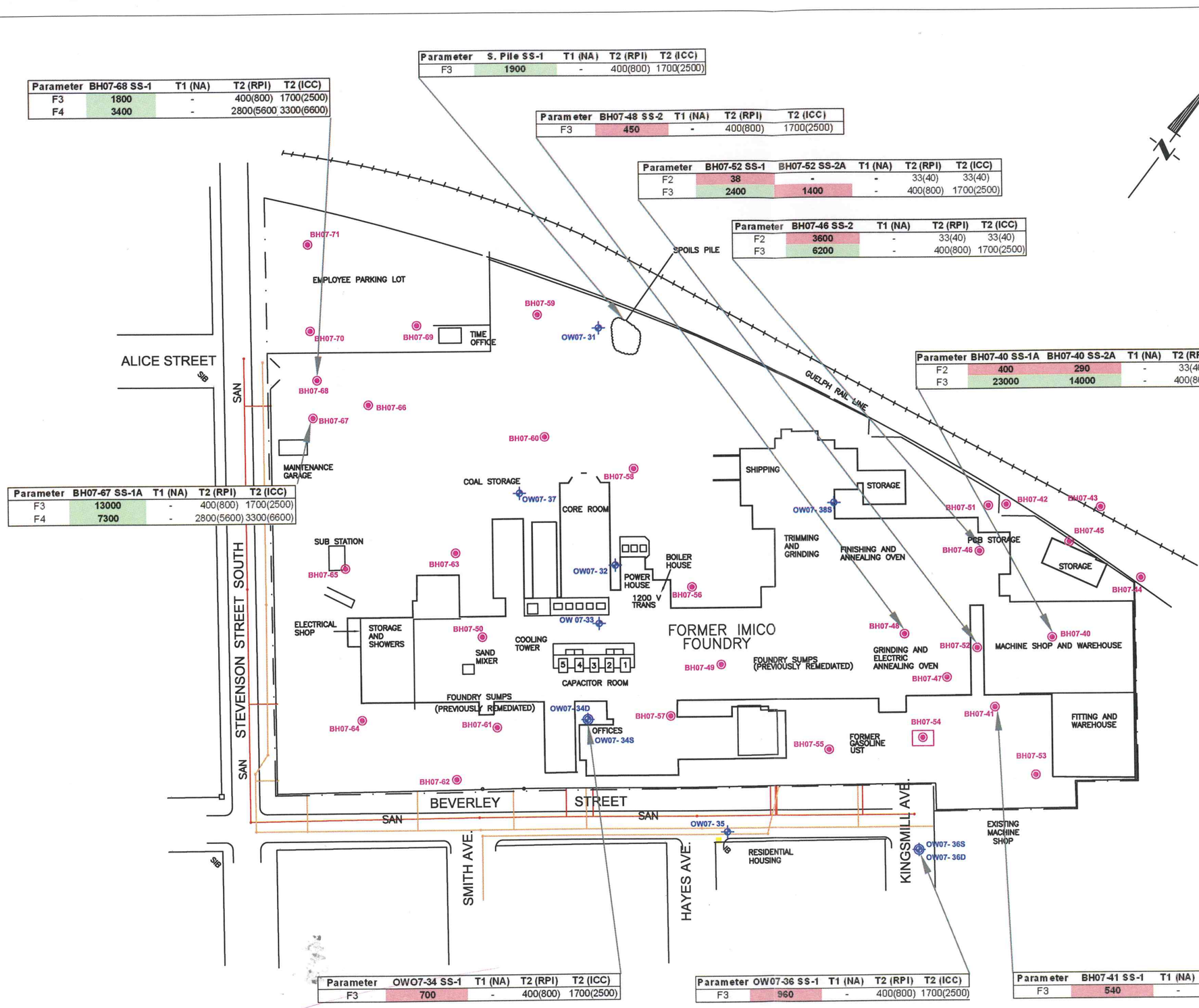
CITY OF GUELPH

200 BEVERLEY STREET, CITY OF GUELPH

FORMER IMICO FACILITY PHASE II ESA

HISTORIC METAL EXCEEDANCES (SOIL)
(MOE PROPOSED STANDARDS)

DEC. 2007	1:1500	49520-PII-6.2



Parameter	BH07-68 SS-1	T1 (NA)	T2 (RPI)	T2 (ICC)
F3	1800	-	400(800)	1700(2500)
F4	3400	-	2800(5600	3300(6600)

Parameter	S. Pile SS-1	T1 (NA)	T2 (RPI)	T2 (ICC)
F3	1900	-	400(800)	1700(2500)

Parameter	BH07-48 SS-2	T1 (NA)	T2 (RPI)	T2 (ICC)
F3	450	-	400(800)	1700(2500)

Parameter	BH07-52 SS-1	BH07-52 SS-2A	T1 (NA)	T2 (RPI)	T2 (ICC)
F2	38	-	-	33(40)	33(40)
F3	2400	1400	-	400(800)	1700(2500)

Parameter	BH07-46 SS-2	T1 (NA)	T2 (RPI)	T2 (ICC)
F2	3600	-	33(40)	33(40)
F3	6200	-	400(800)	1700(2500)

Parameter	BH07-40 SS-1A	BH07-40 SS-2A	T1 (NA)	T2 (RPI)	T2 (ICC)
F2	400	290	-	33(40)	33(40)
F3	23000	14000	-	400(800)	1700(2500)

Parameter	BH07-67 SS-1A	T1 (NA)	T2 (RPI)	T2 (ICC)
F3	13000	-	400(800)	1700(2500)
F4	7300	-	2800(5600)	3300(6600)

Parameter	OW07-34 SS-1	T1 (NA)	T2 (RPI)	T2 (ICC)
F3	700	-	400(800)	1700(2500)

Parameter	OW07-36 SS-1	T1 (NA)	T2 (RPI)	T2 (ICC)
F3	960	-	400(800)	1700(2500)

Parameter	BH07-41 SS-1	T1 (NA)	T2 (RPI)	T2 (ICC)
F3	540	-	400(800)	1700(2500)

LEGEND:

SAMPLING LOCATIONS - DCS

- OW 07-36S — SHALLOW MONITORING WELL IN ROCK
- OW07- 36D — DEEP MONITORING WELL IN ROCK
- BH07-39 — SHALLOW BOREHOLE

SAMPLING LOCATIONS - OTHERS

- L — TEST PIT LOCATION (BY PROCTOR & REDFERN),1990.
- 10S70 — TEST PIT LOCATION (ADDITIONAL BY PROCTOR & REDFERN),1990.
- C10 — COREHOLE LOCATON (BY PROCTOR & REDFERN),1990.
- OW3-I — MONITORING WELL (BY PROCTOR & REDFERN), 1990.
- OW6 — MONITORING WELL (BY GARTNER LEE), VARIOUS YEARS.
- TP9 — TEST PIT (BY GARTNER LEE), 2000.
- TP10 — TEST PIT (BY GARTNER LEE), 1999.
- BH7 — BOREHOLE LOCATION (BY GARTNER LEE), VARIOUS YEARS.

- - EXCEEDS PROPOSED TABLE 1 STANDARDS
- - EXCEEDS PROPOSED TABLE 2, RESIDENTIAL/ PARKLAND/INSTITUTIONAL STANDARDS
- - EXCEEDS PROPOSED TABLE 2 INDUSTRIAL/ COMMERCIAL/COMMUNITY STANDARDS

T1 (NA)	- TABLE 1 - NON AGRICULTURAL LAND USE STANDARDS
T2 (RPI)	- TABLE 2 -RESIDENTIAL/PARKLAND/ INSTITUTIONAL STANDARDS
T2 (ICC)	- TABLE 2 - INDUSTRIAL/COMMERCIAL/ COMMUNITY STANDARDS

NOTE:

TABLE 1 AND 2 STANDARDS SHOWN FROM MOE DOCUMENT DATED MARCH 28, 2007

REFERENCE:

* ENVIRONMENTAL INVESTIGATION, INTERNATIONAL MALLEABLE IRON COMPANY, 200 BEVERLEY STREET, CITY OF GUELPH - BY PROCTOR AND REDFERN LIMITED, JUNE 1991.

* SUPPLEMENTAL HYDROGEOLOGIC INVESTIGATION, FORMER IMICO SITE - BY GARTNER LEE LIMITED, MARCH 1999.

* INTRUSIVE (TEST PIT) INVESTIGATION, FORMER IMICO FOUNDRY SITE - BY GARTNER LEE LIMITED, JULY 2000.

* INTERIM GROUNDWATER MONITORING REPORT, FORMER IMICO SITE, SUMMER 2006 GROUNDWATER MONITORING EVENTS - BY GARTNER LEE LIMITED, OCTOBER 2006.

DCS

DECOMMISSIONING CONSULTING SERVICES LIMITED

CITY OF GUELPH

200 BEVERLEY STREET, CITY OF GUELPH

FORMER IMICO FACILITY

PHASE II ESA

PHC EXCEEDANCES -

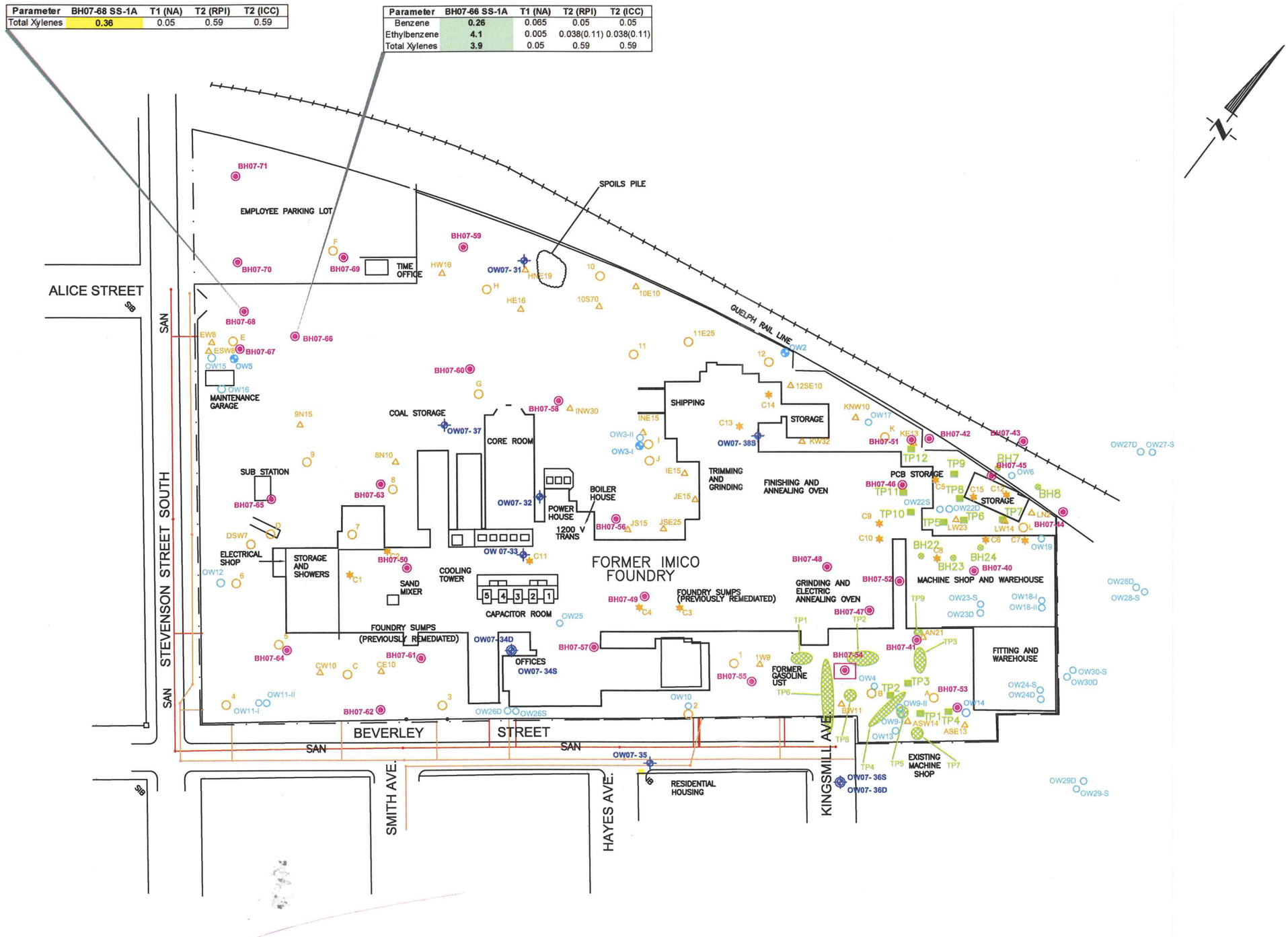
2007 INVESTIGATION (SOIL)

(MOE PROPOSED STANDARDS)

DEC. 2007	1:1500	49520-PII-6.3

Parameter	BH07-68 SS-1A	T1 (NA)	T2 (RPI)	T2 (ICC)
Total Xylenes	0.36	0.05	0.59	0.59

Parameter	BH07-66 SS-1A	T1 (NA)	T2 (RPI)	T2 (ICC)
Benzene	0.26	0.065	0.05	0.05
Ethylbenzene	4.1	0.005	0.038(0.11)	0.038(0.11)
Total Xylenes	3.9	0.05	0.59	0.59



LEGEND:

SAMPLING LOCATIONS - DCS

- OW 07-36S — SHALLOW MONITORING WELL IN ROCK
- OW07- 36D — DEEP MONITORING WELL IN ROCK
- BH07-39 — SHALLOW BOREHOLE

SAMPLING LOCATIONS - OTHERS

- L — TEST PIT LOCATION (BY PROCTOR & REDFERN),1990.
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- OW3-I — MONITORING WELL (BY PROCTOR & REDFERN), 1990.
- OW6 — MONITORING WELL (BY GARTNER LEE), VARIOUS YEARS.
- TP9 — TEST PIT (BY GARTNER LEE), 2000.
- TP10 — TEST PIT (BY GARTNER LEE), 1999.
- BH7 — BOREHOLE LOCATION (BY GARTNER LEE), VARIOUS YEARS.

- - EXCEEDS PROPOSED TABLE 1 STANDARDS
- - EXCEEDS PROPOSED TABLE 2, RESIDENTIAL/ PARKLAND/INSTITUTIONAL STANDARDS
- - EXCEEDS PROPOSED TABLE 2 INDUSTRIAL/ COMMERCIAL/COMMUNITY STANDARDS
- T1 (NA) - TABLE 1 - NON AGRICULTURAL LAND USE STANDARDS
- T2 (RPI) - TABLE 2 -RESIDENTIAL/PARKLAND/ INSTITUTIONAL STANDARDS
- T2 (ICC) - TABLE 2 - INDUSTRIAL/COMMERCIAL/ COMMUNITY STANDARDS

NOTE:

TABLE 1 AND 2 STANDARDS SHOWN FROM MOE DOCUMENT DATED MARCH 28, 2007

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DCS

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CITY OF GUELPH

200 BEVERLEY STREET, CITY OF GUELPH

FORMER IMICO FACILITY PHASE II ESA

VOC EXCEEDANCES (SOIL)
(MOE PROPOSED STANDARDS)

DEC. 2007	1:1500	49520-PII-6.4

Parameter	BH68 SS-1	T1 (NA)	T2 (RPI)	T2 (ICC)
Dibenzo(a,h)anthracene	0.31	0.16	1.4	1.4

Parameter	N. Pile SS-1	T1 (NA)	T2 (RPI)	T2 (ICC)
Benzo(b)fluoranthene	0.66	0.47	1.6	1.6
Indeno(1,2,3-cd)pyrene	0.44	0.38	0.38	0.76

Parameter	BH07-40 SS-1A	T1 (NA)	T2 (RPI)	T2 (ICC)
Napthalene	0.17	0.09	0.13	0.31
Fluorene	0.48	0.12	22	22
Phenanthrene	3.3	0.42	0.42	0.42
Anthracene	0.42	0.16	0.32	0.64
Pyrene	1.4	1	1.9	1.9
Chrysene	1.4	0.94	0.94	0.94

Parameter	BH07-58 SS-1A	T1 (NA)	T2 (RPI)	T2 (ICC)
Napthalene	0.11	0.09	0.13	0.31

Parameter	BH07-56 SS-1A	T1 (NA)	T2 (RPI)	T2 (ICC)
Napthalene	0.22	0.09	0.13	0.31
Phenanthrene	0.76	0.42	0.42	0.42
Benzo(b)fluoranthene	0.54	0.47	1.6	1.6

Parameter	BH07-52 SS-1	T1 (NA)	T2 (RPI)	T2 (ICC)
Napthalene	0.21	0.09	0.13	0.31
Phenanthrene	0.77	0.42	0.42	0.42

Parameter	BH07-46 SS-2	T1 (NA)	T2 (RPI)	T2 (ICC)
Fluorene	0.19	0.12	22	22

Parameter	BH07-64 SS-1A	T1 (NA)	T2 (RPI)	T2 (ICC)
Benzo(b)fluoranthene	0.64	0.47	1.6	1.6

Parameter	OW07-32 SS-1	T1 (NA)	T2 (RPI)	T2 (ICC)
Benzo(b)fluoranthene	0.77	0.47	1.6	1.6
Benzo(a)pyrene	0.54	0.3	0.3	0.3
Indeno(1,2,3-cd)pyrene	0.46	0.38	0.38	0.76

Parameter	BH07-41 SS-1	T1 (NA)	T2 (RPI)	T2 (ICC)
Napthalene	0.31	0.09	0.13	0.31
Phenanthrene	1.3	0.42	0.42	0.42
Anthracene	0.25	0.16	0.32	0.64
Fluoranthene	1.6	1.1	35	35
Pyrene	1.2	1	1.9	1.9
Benzo(b)fluoranthene	0.9	0.47	1.6	1.6
Benzo(a)pyrene	0.53	0.3	0.3	0.3
Indeno(1,2,3-cd)pyrene	0.57	0.38	0.38	0.76
Benzo(g,h,I)perlyene	0.74	0.68	1.4	1.4

ALICE STREET
STEVENSON STREET SOUTH
SAN
SB
BEVERLEY STREET
SMITH AVE.
HAYES AVE.
KINGSMILL AVE.
QUELPH RAIL LINE
SPOILS PILE
EMPLOYEE PARKING LOT
TIME OFFICE
MAINTENANCE GARAGE
SUB STATION
ELECTRICAL SHOP
STORAGE AND SHOWERS
SAND MIXER
COOLING TOWER
COAL STORAGE
CORE ROOM
BOILER HOUSE
POWER HOUSE
1200 V TRANS
CAPACITOR ROOM
FOUNDRY SUMPS (PREVIOUSLY REMEDIATED)
OFFICES
FORMER IMICO FOUNDRY
SHIPPING
STORAGE
TRIMMING AND GRINDING
FINISHING AND ANNEALING OVEN
PCB STORAGE
GRINDING AND ELECTRIC ANNEALING OVEN
FORMER GASOLINE UST
MACHINE SHOP AND WAREHOUSE
FITTING AND WAREHOUSE
EXISTING MACHINE SHOP
RESIDENTIAL HOUSING

LEGEND:

SAMPLING LOCATIONS - DCS

- OW 07-36S — SHALLOW MONITORING WELL IN ROCK
- OW07- 36D — DEEP MONITORING WELL IN ROCK
- BH07-39 — SHALLOW BOREHOLE

SAMPLING LOCATIONS - OTHERS

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- - EXCEEDS PROPOSED TABLE 1 STANDARDS
- - EXCEEDS PROPOSED TABLE 2, RESIDENTIAL/ PARKLAND/INSTITUTIONAL STANDARDS
- - EXCEEDS PROPOSED TABLE 2 INDUSTRIAL/ COMMERCIAL/COMMUNITY STANDARDS

T1 (NA) - TABLE 1 - NON AGRICULTURAL LAND USE STANDARDS

T2 (RPI) - TABLE 2 -RESIDENTIAL/PARKLAND/ INSTITUTIONAL STANDARDS

T2 (ICC) - TABLE 2 - INDUSTRIAL/COMMERCIAL/ COMMUNITY STANDARDS

NOTE:

TABLE 1 AND 2 STANDARDS SHOWN FROM MOE DOCUMENT DATED MARCH 28, 2007

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DCS
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CITY OF GUELPH
200 BEVERLEY STREET, CITY OF GUELPH

FORMER IMICO FACILITY PHASE II ESA

PAH EXCEEDANCES (SOIL)
(MOE PROPOSED STANDARDS)

DEC. 2007	1:1500	49520-PII-6.5

Parameter	TPESW8 Sa 2	TPESW8 Sa 2	T1 (NA)	T2 (RPI)	T2 (ICC)
PCB	**10.12**	**3.12**	0.032	0.032	0.032

Parameter	BH07-67 SS-1A	T1 (NA)	T2 (RPI)	T2 (ICC)
PCB	**1.5**	0.032	0.032	0.032

Parameter	BH07-68 SS-1	BH07-68 SS-1A	T1 (NA)	T2 (RPI)	T2 (ICC)
PCB	**0.07**	**0.05**	0.032	0.032	0.032

Parameter	BH07-43 SS-1	T1 (NA)	T2 (RPI)	T2 (ICC)
PCB	**0.1**	0.032	0.032	0.032

Parameter	OW07-34 SS-1	T1 (NA)	T2 (RPI)	T2 (ICC)
PCB	**0.06**	0.032	0.032	0.032

Parameter	BH07-57 SS-1	T1 (NA)	T2 (RPI)	T2 (ICC)
PCB	**0.05**	0.032	0.032	0.032

ALICE STREET
STEVENSON STREET SOUTH
SAN
SIB
BEVERLEY STREET
SMITH AVE.
HAYES AVE.
KINGSMILL AVE
EMPLOYEE PARKING LOT
TIME OFFICE
SPOILS PILE
GUELPH RAIL LINE
MAINTENANCE GARAGE
COAL STORAGE
CORE ROOM
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OFFICES
BOILER HOUSE
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FINISHING AND ANNEALING OVEN
PCB STORAGE
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FORMER GASOLINE UST
MACHINE SHOP AND WAREHOUSE
FITTING AND WAREHOUSE
EXISTING MACHINE SHOP
RESIDENTIAL HOUSING

LEGEND:

SAMPLING LOCATIONS - DCS

- OW 07-36S — SHALLOW MONITORING WELL IN ROCK
- OW07- 36D — DEEP MONITORING WELL IN ROCK
- BH07-39 — SHALLOW BOREHOLE

SAMPLING LOCATIONS - OTHERS

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- TP9 — TEST PIT (BY GARTNER LEE), 2000.
- TP10 — TEST PIT (BY GARTNER LEE), 1999.
- BH7 — BOREHOLE LOCATION (BY GARTNER LEE), VARIOUS YEARS.

- - EXCEEDS PROPOSED TABLE 1 STANDARDS
- - EXCEEDS PROPOSED TABLE 2, RESIDENTIAL/ PARKLAND/INSTITUTIONAL STANDARDS
- - EXCEEDS PROPOSED TABLE 2 INDUSTRIAL/ COMMERCIAL/COMMUNITY STANDARDS

T1 (NA) - TABLE 1 - NON AGRICULTURAL LAND USE STANDARDS

T2 (RPI) - TABLE 2 -RESIDENTIAL/PARKLAND/ INSTITUTIONAL STANDARDS

T2 (ICC) - TABLE 2 - INDUSTRIAL/COMMERCIAL/ COMMUNITY STANDARDS

NOTE:

TABLE 1 AND 2 STANDARDS SHOWN FROM MOE DOCUMENT DATED MARCH 28, 2007

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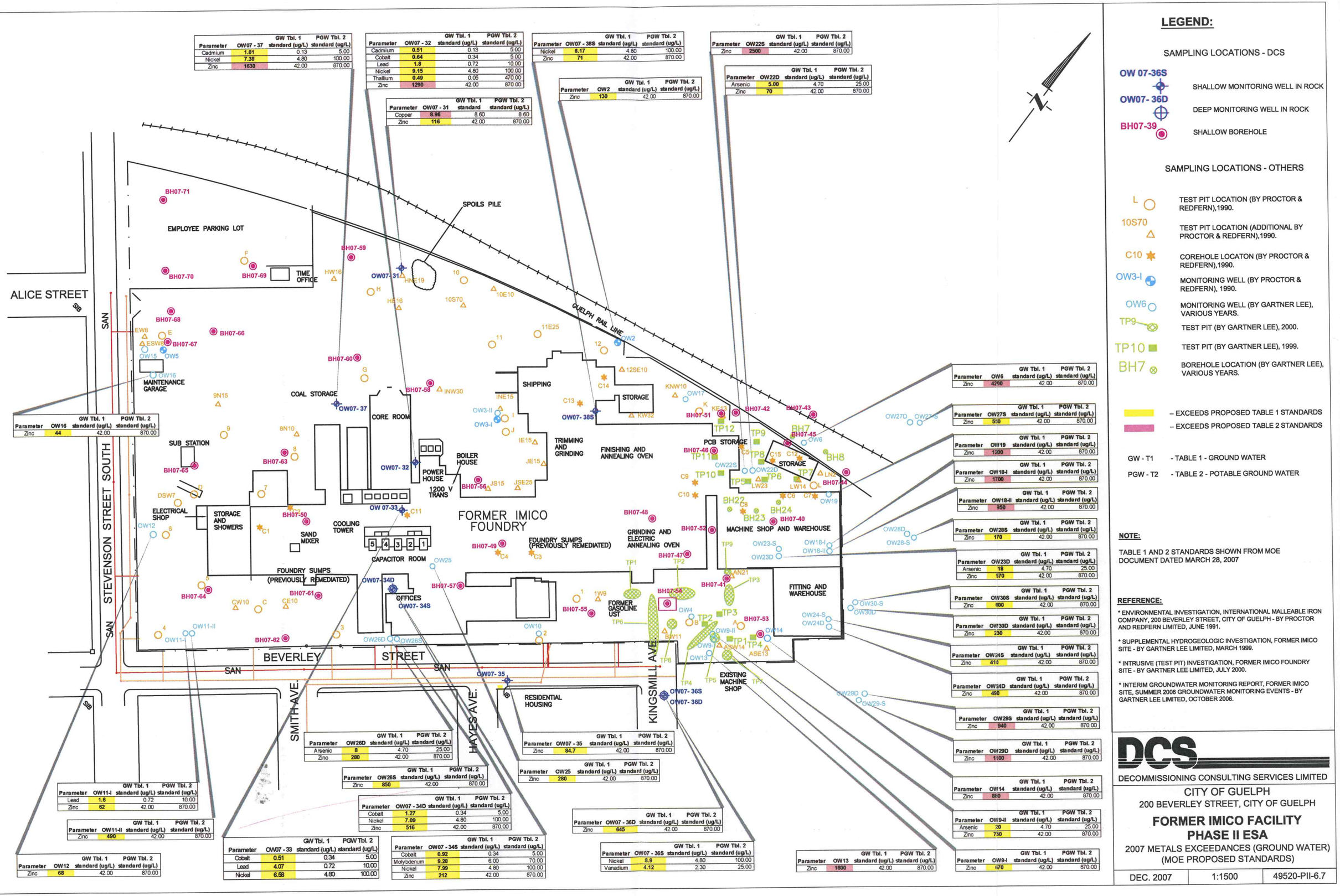
CITY OF GUELPH
200 BEVERLEY STREET, CITY OF GUELPH

FORMER IMICO FACILITY PHASE II ESA

PCB EXCEEDANCES (SOIL)
(MOE PROPOSED STANDARDS)

DEC. 2007	1:1500	49520-PII-6.6



Parameter	OW07 - 37	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Cadmium	1.01	0.13	5.00
Nickel	7.38	4.80	100.00
Zinc	1630	42.00	870.00

Parameter	OW07 - 32	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Cadmium	0.51	0.13	5.00
Cobalt	0.64	0.34	5.00
Lead	1.8	0.72	10.00
Nickel	9.15	4.80	100.00
Thallium	0.49	0.05	470.00
Zinc	1290	42.00	870.00

Parameter	OW07 - 38S	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Nickel	6.17	4.80	100.00
Zinc	71	42.00	870.00

Parameter	OW22S	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Zinc	2500	42.00	870.00

Parameter	OW22D	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Arsenic	5.00	4.70	25.00
Zinc	70	42.00	870.00

Parameter	OW07 - 31	GW Tbl. 1 standard	PGW Tbl. 2 standard (ug/L)
Copper	8.96	8.60	8.60
Zinc	116	42.00	870.00

Parameter	OW2	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Zinc	130	42.00	870.00

Parameter	OW16	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Zinc	44	42.00	870.00

Parameter	OW6	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Zinc	4290	42.00	870.00

Parameter	OW27S	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Zinc	550	42.00	870.00

Parameter	OW19	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Zinc	1200	42.00	870.00

Parameter	OW18-I	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Zinc	1700	42.00	870.00

Parameter	OW18-II	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Zinc	950	42.00	870.00

Parameter	OW28S	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Zinc	170	42.00	870.00

Parameter	OW23D	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Arsenic	18	4.70	25.00
Zinc	570	42.00	870.00

Parameter	OW30S	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Zinc	600	42.00	870.00

Parameter	OW30D	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Zinc	230	42.00	870.00

Parameter	OW24S	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Zinc	410	42.00	870.00

Parameter	OW24D	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Zinc	490	42.00	870.00

Parameter	OW29S	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Zinc	940	42.00	870.00

Parameter	OW29D	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Zinc	1100	42.00	870.00

Parameter	OW14	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Zinc	880	42.00	870.00

Parameter	OW9-II	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Arsenic	20	4.70	25.00
Zinc	730	42.00	870.00

Parameter	OW9-I	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Zinc	670	42.00	870.00

Parameter	OW26D	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Arsenic	8	4.70	25.00
Zinc	280	42.00	870.00

Parameter	OW07 - 35	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Zinc	84.7	42.00	870.00

Parameter	OW26S	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Zinc	850	42.00	870.00

Parameter	OW25	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Zinc	280	42.00	870.00

Parameter	OW11-I	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Lead	1.6	0.72	10.00
Zinc	62	42.00	870.00

Parameter	OW07 - 34D	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Cobalt	1.27	0.34	5.00
Nickel	7.09	4.80	100.00
Zinc	516	42.00	870.00

Parameter	OW07 - 36D	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Zinc	645	42.00	870.00

Parameter	OW11-II	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Zinc	490	42.00	870.00

Parameter	OW07 - 33	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Cobalt	0.51	0.34	5.00
Lead	4.07	0.72	10.00
Nickel	6.58	4.80	100.00

Parameter	OW07 - 34S	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Cobalt	0.92	0.34	5.00
Molybdenum	9.28	6.00	70.00
Nickel	7.99	4.80	100.00
Zinc	212	42.00	870.00

Parameter	OW07 - 36S	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Nickel	8.9	4.80	100.00
Vanadium	4.12	2.30	25.00

Parameter	OW13	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Zinc	1600	42.00	870.00

Parameter	OW12	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Zinc	68	42.00	870.00

LEGEND:

SAMPLING LOCATIONS - DCS

- OW 07-36S — SHALLOW MONITORING WELL IN ROCK
- OW07- 36D — DEEP MONITORING WELL IN ROCK
- BH07-39 — SHALLOW BOREHOLE

SAMPLING LOCATIONS - OTHERS

- L — TEST PIT LOCATION (BY PROCTOR & REDFERN),1990.
- 10S70 — TEST PIT LOCATION (ADDITIONAL BY PROCTOR & REDFERN),1990.
- C10 — COREHOLE LOCATON (BY PROCTOR & REDFERN),1990.
- OW3-I — MONITORING WELL (BY PROCTOR & REDFERN), 1990.
- OW6 — MONITORING WELL (BY GARTNER LEE), VARIOUS YEARS.
- TP9 — TEST PIT (BY GARTNER LEE), 2000.
- TP10 — TEST PIT (BY GARTNER LEE), 1999.
- BH7 — BOREHOLE LOCATION (BY GARTNER LEE), VARIOUS YEARS.

– EXCEEDS PROPOSED TABLE 1 STANDARDS

– EXCEEDS PROPOSED TABLE 2 STANDARDS

GW - T1 - TABLE 1 - GROUND WATER

PGW - T2 - TABLE 2 - POTABLE GROUND WATER

NOTE:

TABLE 1 AND 2 STANDARDS SHOWN FROM MOE DOCUMENT DATED MARCH 28, 2007

REFERENCE:

* ENVIRONMENTAL INVESTIGATION, INTERNATIONAL MALLEABLE IRON COMPANY, 200 BEVERLEY STREET, CITY OF GUELPH - BY PROCTOR AND REDFERN LIMITED, JUNE 1991.

* SUPPLEMENTAL HYDROGEOLOGIC INVESTIGATION, FORMER IMICO SITE - BY GARTNER LEE LIMITED, MARCH 1999.

* INTRUSIVE (TEST PIT) INVESTIGATION, FORMER IMICO FOUNDRY SITE - BY GARTNER LEE LIMITED, JULY 2000.

* INTERIM GROUNDWATER MONITORING REPORT, FORMER IMICO SITE, SUMMER 2006 GROUNDWATER MONITORING EVENTS - BY GARTNER LEE LIMITED, OCTOBER 2006.

DCS

DECOMMISSIONING CONSULTING SERVICES LIMITED

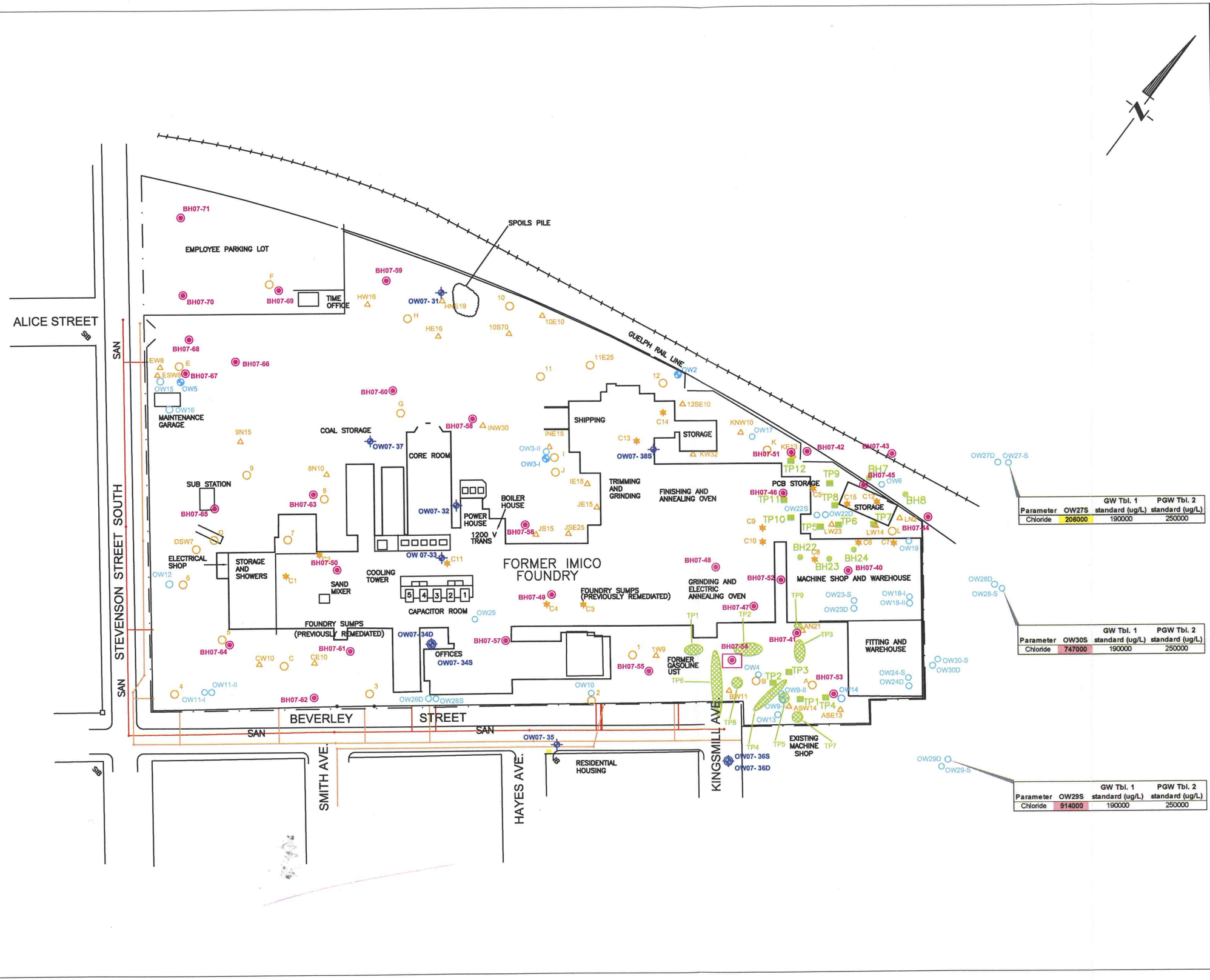
CITY OF GUELPH

200 BEVERLEY STREET, CITY OF GUELPH

FORMER IMICO FACILITY PHASE II ESA

2007 METALS EXCEEDANCES (GROUND WATER) (MOE PROPOSED STANDARDS)

DEC. 2007	1:1500	49520-PII-6.7



LEGEND:

SAMPLING LOCATIONS - DCS

OW 07-36S	SHALLOW MONITORING WELL IN ROCK
OW07- 36D	DEEP MONITORING WELL IN ROCK
BH07-39	SHALLOW BOREHOLE

SAMPLING LOCATIONS - OTHERS

L	TEST PIT LOCATION (BY PROCTOR & REDFERN),1990.
10S70	TEST PIT LOCATION (ADDITIONAL BY PROCTOR & REDFERN),1990.
C10	COREHOLE LOCATON (BY PROCTOR & REDFERN),1990.
OW3-I	MONITORING WELL (BY PROCTOR & REDFERN), 1990.
OW6	MONITORING WELL (BY GARTNER LEE), VARIOUS YEARS.
TP9	TEST PIT (BY GARTNER LEE), 2000.
TP10	TEST PIT (BY GARTNER LEE), 1999.
BH7	BOREHOLE LOCATION (BY GARTNER LEE), VARIOUS YEARS.

– EXCEEDS PROPOSED TABLE 1 STANDARDS

– EXCEEDS PROPOSED TABLE 2 STANDARDS

GW - T1 - TABLE 1 - GROUND WATER

PGW - T2 - TABLE 2 - POTABLE GROUND WATER

Parameter	OW27S	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Chloride	206000	190000	250000

Parameter	OW30S	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Chloride	747000	190000	250000

Parameter	OW29S	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Chloride	914000	190000	250000

NOTE:

TABLE 1 AND 2 STANDARDS SHOWN FROM MOE DOCUMENT DATED MARCH 28, 2007

REFERENCE:

* ENVIRONMENTAL INVESTIGATION, INTERNATIONAL MALLEABLE IRON COMPANY, 200 BEVERLEY STREET, CITY OF GUELPH - BY PROCTOR AND REDFERN LIMITED, JUNE 1991.

* SUPPLEMENTAL HYDROGEOLOGIC INVESTIGATION, FORMER IMICO SITE - BY GARTNER LEE LIMITED, MARCH 1999.

* INTRUSIVE (TEST PIT) INVESTIGATION, FORMER IMICO FOUNDRY SITE - BY GARTNER LEE LIMITED, JULY 2000.

* INTERIM GROUNDWATER MONITORING REPORT, FORMER IMICO SITE, SUMMER 2006 GROUNDWATER MONITORING EVENTS - BY GARTNER LEE LIMITED, OCTOBER 2006.

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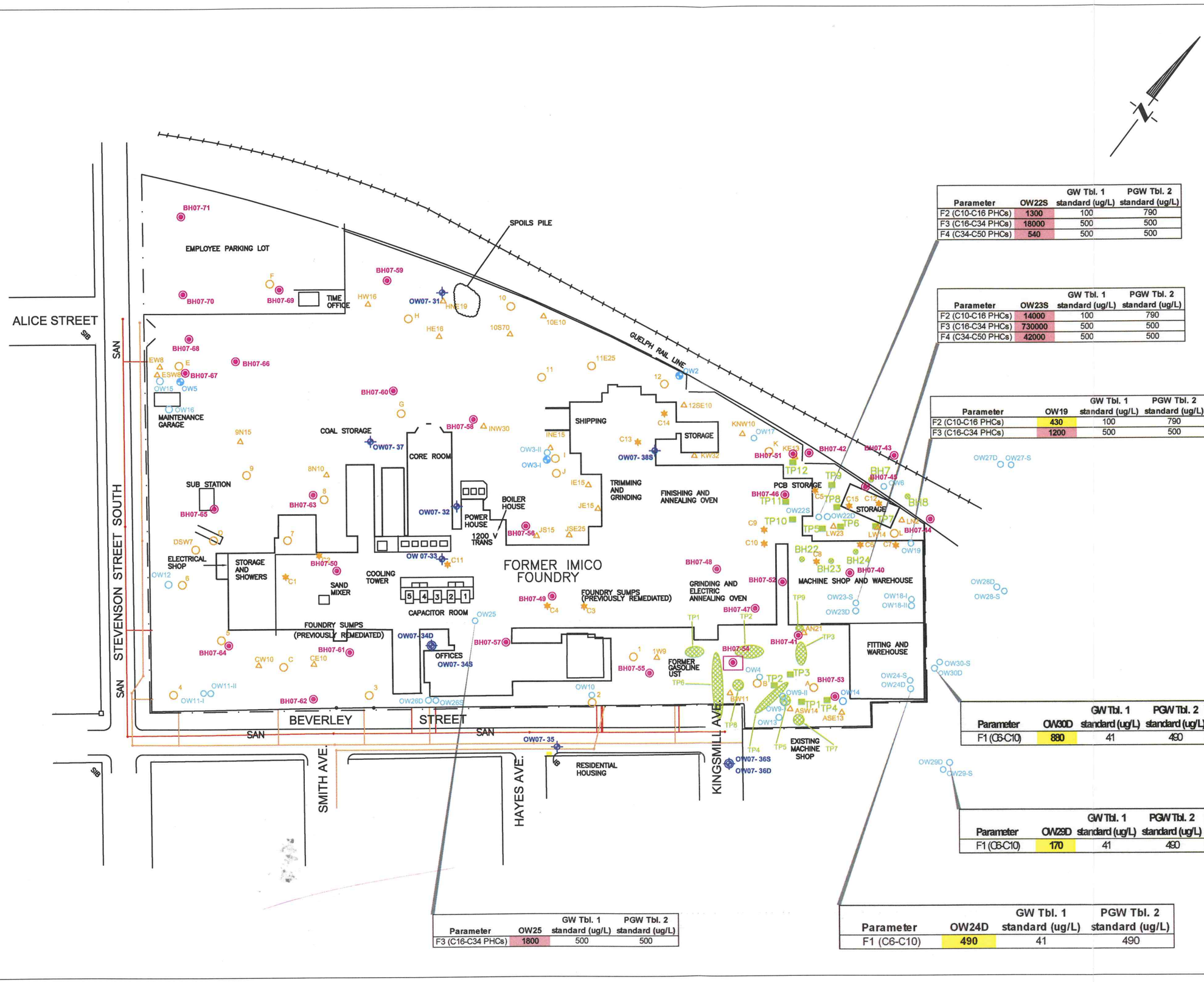
CITY OF GUELPH

200 BEVERLEY STREET, CITY OF GUELPH

FORMER IMICO FACILITY PHASE II ESA

2007 INORGANIC EXCEEDANCES (GROUND WATER) (MOE PROPOSED STANDARDS)

DEC. 2007	1:1500	49520-PII-6.8



Parameter	OW22S	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
F2 (C10-C16 PHCs)	1300	100	790
F3 (C16-C34 PHCs)	18000	500	500
F4 (C34-C50 PHCs)	540	500	500

Parameter	OW23S	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
F2 (C10-C16 PHCs)	14000	100	790
F3 (C16-C34 PHCs)	730000	500	500
F4 (C34-C50 PHCs)	42000	500	500

Parameter	OW19	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
F2 (C10-C16 PHCs)	430	100	790
F3 (C16-C34 PHCs)	1200	500	500

Parameter	OW30D	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
F1 (C6-C10)	880	41	490

Parameter	OW29D	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
F1 (C6-C10)	170	41	490

Parameter	OW25	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
F3 (C16-C34 PHCs)	1800	500	500

Parameter	OW24D	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
F1 (C6-C10)	490	41	490

LEGEND:

SAMPLING LOCATIONS - DCS

- OW 07-36S — SHALLOW MONITORING WELL IN ROCK
- OW07- 36D — DEEP MONITORING WELL IN ROCK
- BH07-39 — SHALLOW BOREHOLE

SAMPLING LOCATIONS - OTHERS

- L — TEST PIT LOCATION (BY PROCTOR & REDFERN),1990.
- 10S70 — TEST PIT LOCATION (ADDITIONAL BY PROCTOR & REDFERN),1990.
- C10 — COREHOLE LOCATON (BY PROCTOR & REDFERN),1990.
- OW3-I — MONITORING WELL (BY PROCTOR & REDFERN), 1990.
- OW6 — MONITORING WELL (BY GARTNER LEE), VARIOUS YEARS.
- TP9 — TEST PIT (BY GARTNER LEE), 2000.
- TP10 — TEST PIT (BY GARTNER LEE), 1999.
- BH7 — BOREHOLE LOCATION (BY GARTNER LEE), VARIOUS YEARS.

– EXCEEDS PROPOSED TABLE 1 STANDARDS

– EXCEEDS PROPOSED TABLE 2 STANDARDS

GW - T1 - TABLE 1 - GROUND WATER

PGW - T2 - TABLE 2 - POTABLE GROUND WATER

NOTE:

TABLE 1 AND 2 STANDARDS SHOWN FROM MOE DOCUMENT DATED MARCH 28, 2007

REFERENCE:

* ENVIRONMENTAL INVESTIGATION, INTERNATIONAL MALLEABLE IRON COMPANY, 200 BEVERLEY STREET, CITY OF GUELPH - BY PROCTOR AND REDFERN LIMITED, JUNE 1991.

* SUPPLEMENTAL HYDROGEOLOGIC INVESTIGATION, FORMER IMICO SITE - BY GARTNER LEE LIMITED, MARCH 1999.

* INTRUSIVE (TEST PIT) INVESTIGATION, FORMER IMICO FOUNDRY SITE - BY GARTNER LEE LIMITED, JULY 2000.

* INTERIM GROUNDWATER MONITORING REPORT, FORMER IMICO SITE, SUMMER 2006 GROUNDWATER MONITORING EVENTS - BY GARTNER LEE LIMITED, OCTOBER 2006.

DCS

DECOMMISSIONING CONSULTING SERVICES LIMITED

CITY OF GUELPH

200 BEVERLEY STREET, CITY OF GUELPH

FORMER IMICO FACILITY PHASE II ESA

2007 PHC EXCEEDANCES (GROUND WATER) (MOE PROPOSED STANDARDS)

DEC. 2007	1:1500	49520-PII-6.9

Parameter	OW12	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
1,1-Dichloroethane	0.4	0.05	5
1,1,1-Trichloroethane	6.6	0.05	200

Parameter	OWO7-37	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
1,1-Dichloroethane	1.2	0.05	5
1,1,1-Trichloroethane	4.1	0.05	200
Ethylbenzene	0.11	0.05	2.4
Toluene	0.22	0.05	22

Parameter	OWO7-32	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
1,1-Dichloroethane	2.4	0.05	5
1,1,1-Trichloroethane	4.9	0.05	200
Trichloroethylene	1	0.05	5

Parameter	OW22D	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
1,1-Dichloroethane	0.3	0.05	5
Benzene	2.1	0.05	5

Parameter	OW9-II	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Benzene	3.9	0.05	5
cis-1,2-Dichloroethylene	7.2	6.6	20

Parameter	OW23D	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Benzene	2.4	0.05	5
cis-1,2-Dichloroethylene	21	6.6	20
Trichloroethylene	2.2	0.05	5
Vinyl Chloride	5	0.05	2

Parameter	OW6	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Benzene	0.1	0.05	5
Trichloroethylene	2.6	0.05	5

Parameter	OW19	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Tetrachloroethylene	0.3	0.05	9.1
Trichloroethylene	0.2	0.05	5

Parameter	OW18-I	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
1,1,1-Trichloroethane	0.2	0.05	200
Tetrachloroethylene	0.2	0.05	9.1
Trichloroethylene	21	0.05	5

Parameter	OW18-II	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
1,1-Dichloroethylene	1.5	0.05	14
Benzene	3.3	0.05	5
cis-1,2-Dichloroethylene	100	6.6	20
Trichloroethylene	3.3	0.05	5
Vinyl Chloride	48	0.05	2

Parameter	OW27S	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
cis-1,2-Dichloroethylene	6.9	6.6	20
Trichloroethylene	18	0.05	5

Parameter	OW28D	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
cis-1,2-Dichloroethylene	32	6.6	20
Trichloroethylene	0.6	0.05	5
Vinyl Chloride	6.5	0.05	2

Parameter	OW28S	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Trichloroethylene	26	0.05	5

Parameter	OW30S	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
cis-1,2-Dichloroethylene	23	6.6	20
Trichloroethylene	530	0.05	5

Parameter	OW30D	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
cis-1,2-Dichloroethylene	610	6.6	20
Trichloroethylene	500	0.05	5
Vinyl Chloride	110	0.05	2

Parameter	OW24S	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Trichloroethylene	86	0.05	5

Parameter	OW24D	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
cis-1,2-Dichloroethylene	420	6.6	20
trans-1,2-Dichloroethylene	34	6.6	20
Trichloroethylene	2800	0.05	5
Vinyl Chloride	46	0.05	2

Parameter	OW29S	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
cis-1,2-Dichloroethylene	12	6.6	20
Trichloroethylene	100	0.05	5

Parameter	OW29D	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
cis-1,2-Dichloroethylene	51	6.6	20
Trichloroethylene	1000	0.05	5

Parameter	OW14	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Trichloroethylene	0.3	0.05	5

Parameter	OWO7-33	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
1,1-Dichloroethane	5.3	0.05	5
1,1,1-Trichloroethane	8	0.05	200
Trichloroethylene	0.56	0.05	5

Parameter	OWO7-34D	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
1,1-Dichloroethane	9.5	0.05	5
1,1,1-Trichloroethane	4.5	0.05	200
Trichloroethylene	0.97	0.05	5

Parameter	OWO7-34S	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Benzene	0.33	0.05	5
Ethylbenzene	0.23	0.05	2.4
Toluene	1.1	0.05	22
Trichloroethylene	0.52	0.05	5

Parameter	OW26S	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
1,1-Dichloroethane	3	0.05	5
1,1,1-Trichloroethane	2.4	0.05	200

Parameter	OW26D	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
1,1-Dichloroethane	4.9	0.05	5
1,1-Dichloroethylene	0.1	0.05	14
1,1,1-Trichloroethane	0.3	0.05	200
Benzene	0.1	0.05	5
Trichloroethylene	0.4	0.05	5

Parameter	OWO7-36S	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Bromodichloromethane	0.33	0.2	16
Chloroform	0.52	0.1	25

Parameter	OW25	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
1,1,1-Trichloroethane	0.5	0.05	200
Trichloroethylene	3	0.05	5

Parameter	OWO7-35	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
1,1-Dichloroethane	1.2	0.05	5
1,1,1-Trichloroethane	2.3	0.05	200
Chloroform	0.24	0.1	25

Parameter	OW13	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Trichloroethylene	1.1	0.05	5

LEGEND:

SAMPLING LOCATIONS - DCS

OW 07-36S — SHALLOW MONITORING WELL IN ROCK

OW07- 36D — DEEP MONITORING WELL IN ROCK

BH07-39 — SHALLOW BOREHOLE

SAMPLING LOCATIONS - OTHERS

L — TEST PIT LOCATION (BY PROCTOR & REDFERN),1990.

10S70 — TEST PIT LOCATION (ADDITIONAL BY PROCTOR & REDFERN),1990.

C10 — COREHOLE LOCATON (BY PROCTOR & REDFERN),1990.

OW3-I — MONITORING WELL (BY PROCTOR & REDFERN), 1990.

OW6 — MONITORING WELL (BY GARTNER LEE), VARIOUS YEARS.

TP9 — TEST PIT (BY GARTNER LEE), 2000.

TP10 — TEST PIT (BY GARTNER LEE), 1999.

BH7 — BOREHOLE LOCATION (BY GARTNER LEE), VARIOUS YEARS.

– EXCEEDS PROPOSED TABLE 1 STANDARDS

– EXCEEDS PROPOSED TABLE 2 STANDARDS

GW - T1 - TABLE 1 - GROUND WATER

PGW - T2 - TABLE 2 - POTABLE GROUND WATER

NOTE:

TABLE 1 AND 2 STANDARDS SHOWN FROM MOE DOCUMENT DATED MARCH 28, 2007

REFERENCE:

* ENVIRONMENTAL INVESTIGATION, INTERNATIONAL MALLEABLE IRON COMPANY, 200 BEVERLEY STREET, CITY OF GUELPH - BY PROCTOR AND REDFERN LIMITED, JUNE 1991.

* SUPPLEMENTAL HYDROGEOLOGIC INVESTIGATION, FORMER IMICO SITE - BY GARTNER LEE LIMITED, MARCH 1999.

* INTRUSIVE (TEST PIT) INVESTIGATION, FORMER IMICO FOUNDRY SITE - BY GARTNER LEE LIMITED, JULY 2000.

* INTERIM GROUNDWATER MONITORING REPORT, FORMER IMICO SITE, SUMMER 2006 GROUNDWATER MONITORING EVENTS - BY GARTNER LEE LIMITED, OCTOBER 2006.

DCS

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CITY OF GUELPH

200 BEVERLEY STREET, CITY OF GUELPH

FORMER IMICO FACILITY PHASE II ESA

2007 VOC EXCEEDANCES (GROUND WATER) (MOE PROPOSED STANDARDS)

DEC. 2007	1:1500	49520-PII-6.10

Parameter	OW16	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Benzo(a)pyrene	0.02	0.005	0.01

Parameter	OW07-31	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Benzo(b/j)fluoranthene	0.04	0.01	0.7
Benzo(g,h,i)perylene	0.1	0.02	0.7
Dibenz(a,h)anthracene	0.1	0.02	1.3
Indeno(1,2,3-cd)pyrene	0.1	0.02	1.3

Parameter	OW18-I	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Anthracene	0.08	0.01	14
Benzo(a)anthracene	0.1	0.02	0.89
Benzo(a)pyrene	0.1	0.005	0.01
Benzo(b/j)fluoranthene	0.2	0.01	0.7
Benzo(k)fluoranthene	0.06	0.01	0.7
Chrysene	0.1	0.01	0.3
Fluoranthene	0.3	0.01	87
Phenanthrene	0.3	0.01	0.89
Pyrene	0.2	0.01	4.8

Parameter	OW18-II	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Benzo(a)pyrene	0.04	0.005	0.01
Benzo(b/j)fluoranthene	0.07	0.01	0.7
Fluoranthene	0.1	0.01	87
Phenanthrene	0.09	0.01	0.89
Pyrene	0.09	0.01	4.8

Parameter	OW22-S	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Benzo(a)anthracene	0.09	0.02	0.89
Benzo(a)pyrene	0.07	0.005	0.01
Benzo(b/j)fluoranthene	0.1	0.01	0.7
Chrysene	0.2	0.01	0.3
Fluoranthene	0.07	0.01	87
Pyrene	0.9	0.01	4.8

Parameter	OW30D	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Anthracene	0.1	0.01	14
Benzo(a)anthracene	0.9	0.02	0.89
Benzo(a)pyrene	1	0.005	0.01
Benzo(b/j)fluoranthene	2	0.01	0.7
Benzo(g,h,i)perylene	0.8	0.02	0.7
Benzo(k)fluoranthene	0.6	0.01	0.7
Chrysene	0.9	0.01	0.3
Dibenz(a,h)anthracene	0.2	0.02	1.3
Fluoranthene	2	0.01	87
Indeno(1,2,3-cd)pyrene	0.9	0.02	1.3
Phenanthrene	1	0.01	0.89
Pyrene	2	0.01	4.8

Parameter	OW30S	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Anthracene	1	0.01	14
Benzo(a)anthracene	4	0.02	0.89
Benzo(a)pyrene	4	0.005	0.01
Benzo(b/j)fluoranthene	7	0.01	0.7
Benzo(g,h,i)perylene	3	0.02	0.7
Benzo(k)fluoranthene	2	0.01	0.7
Chrysene	4	0.01	0.3
Dibenz(a,h)anthracene	0.7	0.02	1.3
Fluoranthene	10	0.01	87
Indeno(1,2,3-cd)pyrene	4	0.02	1.3
Phenanthrene	7	0.01	0.89
Pyrene	8	0.01	4.8

Parameter	OW27S	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Benzo(a)pyrene	0.02	0.005	0.01

Parameter	OW19	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Benzo(a)pyrene	0.02	0.005	0.01
Pyrene	0.1	0.01	4.8

Parameter	OW28S	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Benzo(a)anthracene	0.08	0.02	0.89
Benzo(a)pyrene	0.06	0.005	0.01
Benzo(b/j)fluoranthene	0.1	0.01	0.7
Chrysene	0.08	0.01	0.3
Fluoranthene	0.05	0.01	87
Pyrene	0.06	0.01	4.8

Parameter	OW23S	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Anthracene	2	0.01	14
Benzo(a)pyrene	0.1	0.005	0.01
Chrysene	2	0.01	0.3
Fluoranthene	2	0.01	87
Phenanthrene	2	0.01	0.89
Pyrene	5	0.01	4.8

Parameter	OW29D	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Benzo(a)pyrene	0.03	0.005	0.01

Parameter	OW29S	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Benzo(a)anthracene	0.6	0.02	0.89
Benzo(a)pyrene	0.1	0.005	0.01
Benzo(b/j)fluoranthene	0.2	0.01	0.7
Benzo(g,h,i)perylene	0.1	0.02	0.7
Benzo(k)fluoranthene	0.06	0.01	0.7
Fluoranthene	0.05	0.01	87
Indeno(1,2,3-cd)pyrene	0.1	0.02	1.3
Pyrene	0.07	0.01	4.8

Parameter	OW07-33	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Benzo(g,h,i)perylene	0.06	0.02	0.7
Indeno(1,2,3-cd)pyrene	0.05	0.02	1.3

Parameter	OW07-34S	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Indeno(1,2,3-cd)pyrene	0.03	0.02	1.3

Parameter	OW07-34D	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Indeno(1,2,3-cd)pyrene	0.04	0.02	1.3

Parameter	OW07-32	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Indeno(1,2,3-cd)pyrene	0.04	0.02	1.3

Parameter	OW07-36S	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Pyrene	0.05	0.01	4.8

Parameter	OW25	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Benzo(a)pyrene	3	0.005	0.01

ALICE STREET
SIB
SAN
STEVENSON STREET SOUTH
BEVERLEY STREET
SMITH AVE.
HAYES AVE.
KINGSMILL AVE.
GUELPH RAIL LINE
SPOILS PILE
EMPLOYEE PARKING LOT
TIME OFFICE
MAINTENANCE GARAGE
COAL STORAGE
CORE ROOM
SUB STATION
ELECTRICAL SHOP
STORAGE AND SHOWERS
SAND MIXER
COOLING TOWER
CAPACITOR ROOM
FOUNDRY SUMPS (PREVIOUSLY REMEDIATED)
OFFICES
POWER HOUSE
1200 V TRANS
BOILER HOUSE
FORMER IMICO FOUNDRY
FOUNDRY SUMPS (PREVIOUSLY REMEDIATED)
TRIMMING AND GRINDING
FINISHING AND ANNEALING OVEN
GRINDING AND ELECTRIC ANNEALING OVEN
FORMER GASOLINE UST
SHIPPING
STORAGE
PCB STORAGE
STORAGE
MACHINE SHOP AND WAREHOUSE
FITTING AND WAREHOUSE
EXISTING MACHINE SHOP
RESIDENTIAL HOUSING
BH07-71
BH07-59
BH07-70
BH07-69
BH07-68
BH07-66
BH07-67
BH07-60
BH07-58
BH07-63
BH07-65
BH07-50
BH07-64
BH07-61
BH07-62
BH07-57
BH07-55
BH07-54
BH07-53
BH07-52
BH07-51
BH07-49
BH07-48
BH07-47
BH07-46
BH07-45
BH07-44
BH07-43
BH07-42
BH07-41
BH07-40
BH07-39
OW07- 31
OW07- 32
OW07- 33
OW07- 34S
OW07- 34D
OW07- 35
OW07- 36S
OW07- 36D
OW07- 37
OW07- 38S
OW1
OW2
OW3-I
OW3-II
OW4
OW5
OW6
OW9-I
OW9-II
OW10
OW11-I
OW11-II
OW12
OW14
OW15
OW16
OW17
OW18-I
OW18-II
OW19
OW22D
OW22S
OW23-S
OW23D
OW24-S
OW24D
OW25
OW26D
OW26S
OW27D
OW27-S
OW28D
OW28-S
OW29D
OW29-S
OW30-S
OW30D
TP1
TP2
TP3
TP4
TP5
TP6
TP7
TP8
TP9
TP10
TP11
TP12
BH22
BH23
BH24
BH7
BH8
HW16
HE16
HNE19
10
10E10
10S70
11
11E25
12
12SE10
9N15
8N10
IE15
JE15
JSE25
INE15
INW30
KNW10
KW32
KE13
JS15
LW23
LW14
LW2
AN21
ASW14
A5E13
BW11
1W9
CW10
CE10
C1
C2
C3
C4
C5
C6
C7
C8
C9
C10
C11
C12
C13
C14
C15
DSW7
EW8
ESW8
F
G
H
I
J
K
L
1
2
3
4
5
6
7
8
9

LEGEND:

SAMPLING LOCATIONS - DCS

OW 07-36S — SHALLOW MONITORING WELL IN ROCK

OW07- 36D — DEEP MONITORING WELL IN ROCK

BH07-39 — SHALLOW BOREHOLE

SAMPLING LOCATIONS - OTHERS

L — TEST PIT LOCATION (BY PROCTOR & REDFERN),1990.

10S70 — TEST PIT LOCATION (ADDITIONAL BY PROCTOR & REDFERN),1990.

C10 — COREHOLE LOCATON (BY PROCTOR & REDFERN),1990.

OW3-I — MONITORING WELL (BY PROCTOR & REDFERN), 1990.

OW6 — MONITORING WELL (BY GARTNER LEE), VARIOUS YEARS.

TP9 — TEST PIT (BY GARTNER LEE), 2000.

TP10 — TEST PIT (BY GARTNER LEE), 1999.

BH7 — BOREHOLE LOCATION (BY GARTNER LEE), VARIOUS YEARS.

– EXCEEDS PROPOSED TABLE 1 STANDARDS

– EXCEEDS PROPOSED TABLE 2 STANDARDS

GW - T1 - TABLE 1 - GROUND WATER

PGW - T2 - TABLE 2 - POTABLE GROUND WATER

NOTE:

TABLE 1 AND 2 STANDARDS SHOWN FROM MOE DOCUMENT DATED MARCH 28, 2007

REFERENCE:

* ENVIRONMENTAL INVESTIGATION, INTERNATIONAL MALLEABLE IRON COMPANY, 200 BEVERLEY STREET, CITY OF GUELPH - BY PROCTOR AND REDFERN LIMITED, JUNE 1991.

* SUPPLEMENTAL HYDROGEOLOGIC INVESTIGATION, FORMER IMICO SITE - BY GARTNER LEE LIMITED, MARCH 1999.

* INTRUSIVE (TEST PIT) INVESTIGATION, FORMER IMICO FOUNDRY SITE - BY GARTNER LEE LIMITED, JULY 2000.

* INTERIM GROUNDWATER MONITORING REPORT, FORMER IMICO SITE, SUMMER 2006 GROUNDWATER MONITORING EVENTS - BY GARTNER LEE LIMITED, OCTOBER 2006.

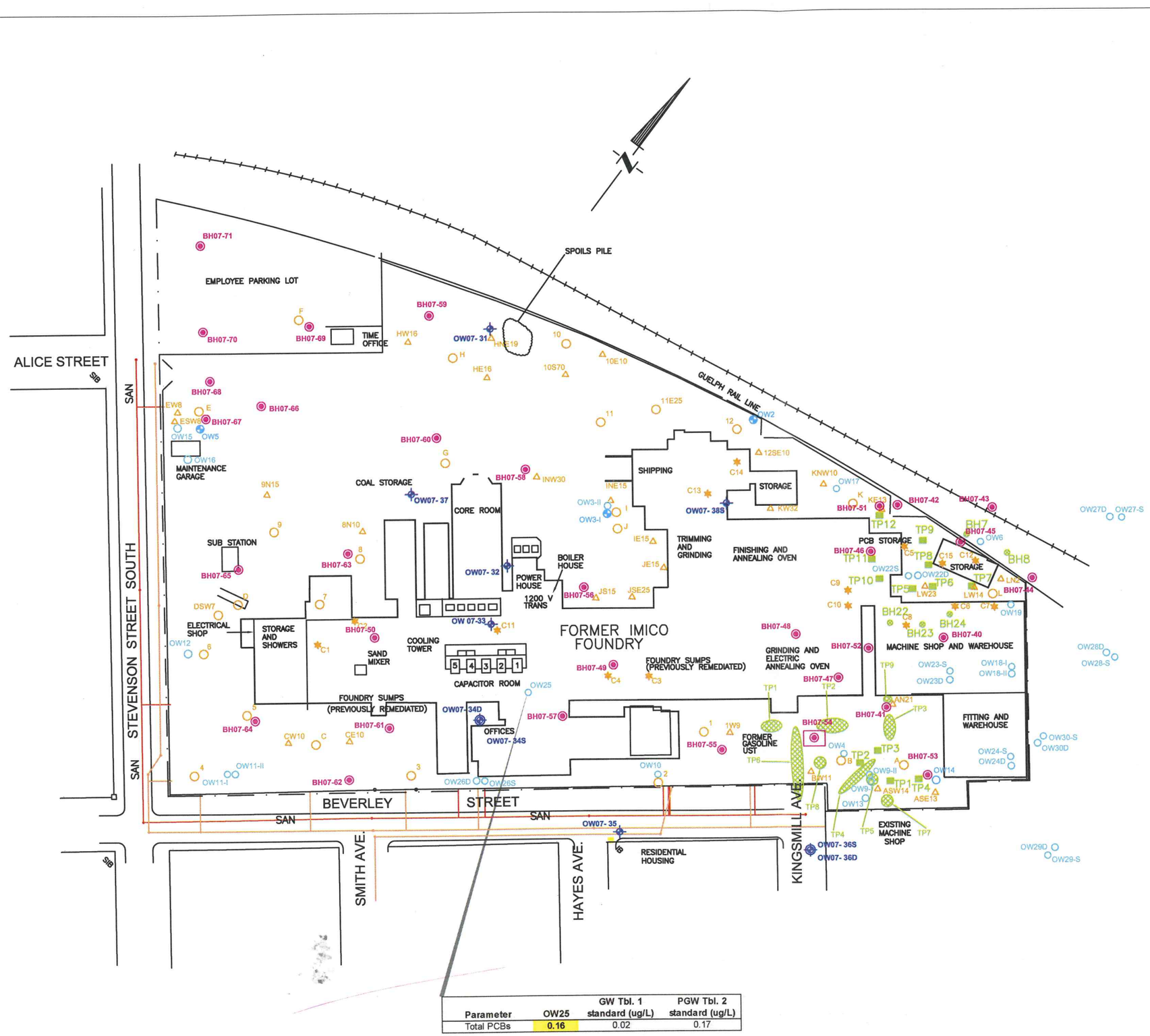
DCS
DECOMMISSIONING CONSULTING SERVICES LIMITED

CITY OF GUELPH
200 BEVERLEY STREET, CITY OF GUELPH

FORMER IMICO FACILITY PHASE II ESA

2007 PAH EXCEEDANCES (GROUND WATER)
(MOE PROPOSED STANDARDS)

DEC. 2007	1:1500	49520-PII-6.11



Parameter	OW25	GW Tbl. 1 standard (ug/L)	PGW Tbl. 2 standard (ug/L)
Total PCBs	0.16	0.02	0.17

LEGEND:

SAMPLING LOCATIONS - DCS

- OW 07-36S — SHALLOW MONITORING WELL IN ROCK
- OW07- 36D — DEEP MONITORING WELL IN ROCK
- BH07-39 — SHALLOW BOREHOLE

SAMPLING LOCATIONS - OTHERS

- L — TEST PIT LOCATION (BY PROCTOR & REDFERN),1990.
- 10S70 — TEST PIT LOCATION (ADDITIONAL BY PROCTOR & REDFERN),1990.
- C10 — COREHOLE LOCATON (BY PROCTOR & REDFERN),1990.
- OW3-I — MONITORING WELL (BY PROCTOR & REDFERN), 1990.
- OW6 — MONITORING WELL (BY GARTNER LEE), VARIOUS YEARS.
- TP9 — TEST PIT (BY GARTNER LEE), 2000.
- TP10 — TEST PIT (BY GARTNER LEE), 1999.
- BH7 — BOREHOLE LOCATION (BY GARTNER LEE), VARIOUS YEARS.

– EXCEEDS PROPOSED TABLE 1 STANDARDS

– EXCEEDS PROPOSED TABLE 2 STANDARDS

GW - T1 - TABLE 1 - GROUND WATER

PGW - T2 - TABLE 2 - POTABLE GROUND WATER

NOTE:

TABLE 1 AND 2 STANDARDS SHOWN FROM MOE DOCUMENT DATED MARCH 28, 2007

REFERENCE:

* ENVIRONMENTAL INVESTIGATION, INTERNATIONAL MALLEABLE IRON COMPANY, 200 BEVERLEY STREET, CITY OF GUELPH - BY PROCTOR AND REDFERN LIMITED, JUNE 1991.

* SUPPLEMENTAL HYDROGEOLOGIC INVESTIGATION, FORMER IMICO SITE - BY GARTNER LEE LIMITED, MARCH 1999.

* INTRUSIVE (TEST PIT) INVESTIGATION, FORMER IMICO FOUNDRY SITE - BY GARTNER LEE LIMITED, JULY 2000.

* INTERIM GROUNDWATER MONITORING REPORT, FORMER IMICO SITE, SUMMER 2006 GROUNDWATER MONITORING EVENTS - BY GARTNER LEE LIMITED, OCTOBER 2006.

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DECOMMISSIONING CONSULTING SERVICES LIMITED

CITY OF GUELPH

200 BEVERLEY STREET, CITY OF GUELPH

FORMER IMICO FACILITY PHASE II ESA

2007 PCB EXCEEDANCES (GROUND WATER) (MOE PROPOSED STANDARDS)

DEC. 2007	1:1500	49520-PII-6.12

Project: **CITY of GUELPH** Contract No: **49520-1**

Boring date: **08/02/2007** Supervised by: **G.C.Yule**

Borehole Location: **200 Beverley Street, Guelph**

Driller: **Profile Drilling Ltd.**

Drilling Method: **Power Probe 9700 w/ Double Tube**

Borehole: **BH07-40**

Monitoring Well: **n/a**

Sheet 1 of 1

Scale (m)	Elev. (m) Depth (m)	Description (Ground Surface Elevation: m)	Symbol	Well Details	Water Level	Sample Type and Number	Conditon	Blows/ 150mm	% Recovery	RQD	Odour	Headspace TOV ⊕ (ppm) 100 200 300 400 / Headspace TOV □ (%LEL) 20 40 60 80	Remarks and Sample Analyses
		CONCRETE SLAB - 150mm thick											
	0.15	**SAND and GRAVEL (FILL)** - dark brown, damp, medium to coarse, some coal and clinker				SS-1			57		N	⊕	
	0.30	**TOPSOIL (NATIVE)** - black, wet, trace hydrocarbon odour				SS-1A					T	⊕	Inorganics, Metals, PAH, VOC's, BTEX/F1, F2-F4 and PCB's Analyses
1													
	1.22	**SAND and LIMESTONE GRAVEL** - brown, damp, fine to medium, some silt				SS-2			100		N	⊕	
2													
	2.13	**SAND** - grey, damp to moist, fine, some silt, trace chemical odour				SS-2A					T	⊕	Metals, VOC's, F2-F4 and PCB's Analyses
	2.39	**END of BOREHOLE @ 2.39m** Refusal on inferred bedrock.											

ODOUR:
N - None
T - Trace
M - Moderate
S - Strong
VS- Very Strong

Prepared by: **G.C.Yule**

Checked by: **S.Prior**

Date: **06/03/07**

DCS
DECOMMISSIONING CONSULTING SERVICES LIMITED

Project: CITY of GUELPH Contract No: 49520-1

Boring date: 08/02/2007 Supervised by: G.C.Yule

Borehole Location: 200 Beverley Street, Guelph

Driller: Profile Drilling Ltd.

Drilling Method: Power Probe 9700 w/ Double Tube

Borehole: BH07-41

Monitoring Well: n/a

Sheet 1 of 1

Scale (m)	Elev. (m) Depth (m)	Description (Ground Surface Elevation: m)	Symbol	Well Details	Water Level	Sample Type and Number	Conditon	Blows/ 150mm	% Recovery	RQD	Odour	Headspace TOV ⊕ (ppm) 100 200 300 400 / Headspace TOV □ (%LEL) 20 40 60 80	Remarks and Sample Analyses
		SAND, COAL and CLINKER (FILL/REWORKED NATIVE) - black, damp, medium				SS-1			63		N	⊕	Inorganics, Metals, PAH, F2-F4 and PCB's Analyses
						SS-1A					N		DUP #4 Metals Analyses
	0.61	**SAND and LIMESTONE GRAVEL (NATIVE)** - brown, damp, medium to coarse											
1													
						SS-2			24		N	⊕	Metals, VOC's and F2-F4 Analyses
2													
	2.29	**END of BOREHOLE @ 2.29m**											
		Refusal on inferred bedrock.											

ODOUR:
N - None
T - Trace
M - Moderate
S - Strong
VS- Very Strong

Prepared by: G.C.Yule

Checked by: S.Prior

Date: 06/03/07

DCS
DECOMMISSIONING CONSULTING SERVICES LIMITED

Project: **CITY of GUELPH** Contract No: **49520-1**

Boring date: **22/02/2007** Supervised by: **G.C.Yule**

Borehole Location: **200 Beverley Street, Guelph**

Driller: **Profile Drilling Ltd.**

Drilling Method: **Power Probe 9700 w/ Double Tube**

Borehole: **BH07-42**

Monitoring Well: **n/a**

Sheet 1 of 1

Scale (m)	Elev. (m) Depth (m)	Description (Ground Surface Elevation: m)	Symbol	Well Details	Water Level	Sample Type and Number	Conditon	Blows/ 150mm	% Recovery	RQD	Odour	Headspace TOV ⊕ (ppm) 100 200 300 400 / Headspace TOV □ (%LEL) 20 40 60 80	Remarks and Sample Analyses
		SILTY SAND and COAL (FILL/REWORKED NATIVE) - black, damp, medium				SS-1			67		N	⊕	Inorganics, Metals, VOC's, BTEX/F1, F2-F4, TOC and PCB's Analyses
	0.61	**SILTY SAND and LIMESTONE GRAVEL (NATIVE)** - brown, damp, fine to medium				SS-1A					N	⊕	
1						SS-2			100		N	⊕	Metals and VOC's Analyses DUP # 14 Metals Analyses
	1.68	**END of BOREHOLE @ 1.68m** Refusal on inferred bedrock.											

ODOUR:
N - None
T - Trace
M - Moderate
S - Strong
VS- Very Strong

Prepared by: **G.C.Yule**

Checked by: **S.Prior**

Date: **06/03/07**

DCS
DECOMMISSIONING CONSULTING SERVICES LIMITED

Project: CITY of GUELPH Contract No: 49520-1

Boring date: 22/02/2007 Supervised by: G.C.Yule

Borehole Location: 200 Beverley Street, Guelph

Driller: Profile Drilling Ltd.

Drilling Method: Power Probe 9700 w/ Double Tube

Borehole: BH07-43

Monitoring Well: n/a

Sheet 1 of 1

Scale (m)	Stratigraphy: Elev. (m) Depth (m)	Description (Ground Surface Elevation: m)	Symbol	Samples: Well Details	Water Level	Sample Type and Number	Conditon	Blows/ 150mm	% Recovery	RQD	Odour	Headspace TOV ⊕ (ppm) 100 200 300 400 / Headspace TOV □ (%LEL) 20 40 60 80	Remarks and Sample Analyses
		SILTY SAND and COAL (FILL/REWORKED NATIVE) - black, damp, some gravel				SS-1			63		N	⊕	Metals and PCB's Analyses
1	0.91	**SILTY SAND and LIMESTONE GRAVEL (NATIVE)** - brown, damp, medium				SS-1A					N	⊕	
						SS-2			100		N	⊕	Metals Analyses
	1.47	**END of BOREHOLE @ 1.47m**											
		Refusal on inferred bedrock.											

ODOUR:
N - None
T - Trace
M - Moderate
S - Strong
VS- Very Strong

Prepared by: G.C.Yule

Checked by: S.Prior

Date: 06/03/07

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DECOMMISSIONING CONSULTING SERVICES LIMITED

Project: **CITY of GUELPH** Contract No: **49520-1**

Boring date: **22/02/2007** Supervised by: **G.C.Yule**

Borehole Location: **200 Beverley Street, Guelph**

Driller: **Profile Drilling Ltd.**

Drilling Method: **Power Probe 9700 w/ Double Tube**

Borehole: **BH07-44**

Monitoring Well: **n/a**

Sheet 1 of 1

Scale (m)	Elev. (m) Depth (m)	Description (Ground Surface Elevation: m)	Symbol	Well Details	Water Level	Sample Type and Number	Conditon	Blows/ 150mm	% Recovery	RQD	Odour	Headspace TOV ⊕ (ppm) 100 200 300 400 / Headspace TOV □ (%LEL) 20 40 60 80	Remarks and Sample Analyses
		SILTY SAND and COAL (FILL/REWORKED NATIVE) - black, damp, fine to medium, some gravel				SS-1			80		N	⊕	Metals and PCB's Analyses
	0.61	**SAND and LIMESTONE GRAVEL (NATIVE)** - brown, damp, medium				SS-1A					N	⊕	Metals Analyses
1	1.14	**END of BOREHOLE @ 1.14m** Refusal on inferred bedrock.											

ODOUR:
N - None
T - Trace
M - Moderate
S - Strong
VS- Very Strong

Prepared by: **G.C.Yule**

Checked by: **S.Prior**

Date: **06/03/07**

DCS
DECOMMISSIONING CONSULTING SERVICES LIMITED

Project: **CITY of GUELPH** Contract No: **49520-1**

Boring date: **08/02/2007** Supervised by: **G.C.Yule**

Borehole Location: **200 Beverley Street, Guelph**

Driller: **Profile Drilling Ltd.**

Drilling Method: **Power Probe 9700 w/ Double Tube**

Borehole: **BH07-45**

Monitoring Well: **n/a**

Sheet 1 of 1

Scale (m)	Elev. (m) Depth (m)	Description (Ground Surface Elevation: m)	Symbol	Well Details	Water Level	Sample Type and Number	Conditon	Blows/ 150mm	% Recovery	RQD	Odour	Headspace TOV ⊕ (ppm) 100 200 300 400 / Headspace TOV □ (%LEL) 20 40 60 80	Remarks and Sample Analyses
1		**SAND (FILL)** - greyish brown, damp, medium to fine, some gravel, trace silt				SS-1			83		N	⊕	Metals and F2-F4 Analyses
						SS-1A					N		VOC's Analyses
						SS-2			100		N	⊕	Metals, PAH and PCB's Analyses DUP # 2 PAH, VOC's, BTEX/F1, F2-F4 and PCB's Analyses
	1.78	**END of BOREHOLE @ 1.78m** Refusal on inferred bedrock.											

ODOUR:
N - None
T - Trace
M - Moderate
S - Strong
VS- Very Strong

Prepared by: **G.C.Yule**

Checked by: **S.Prior**

Date: **06/03/07**

DCS
DECOMMISSIONING CONSULTING SERVICES LIMITED

Project: **CITY of GUELPH** Contract No: **49520-1**

Boring date: **08/02/2007** Supervised by: **G.C.Yule**

Borehole Location: **200 Beverley Street, Guelph**

Driller: **Profile Drilling Ltd.**

Drilling Method: **Power Probe 9700 w/ Double Tube**

Borehole: **BH07-46**

Monitoring Well: **n/a**

Sheet 1 of 1

Scale (m)	Elev. (m) Depth (m)	Description (Ground Surface Elevation: m)	Symbol	Well Details	Water Level	Sample Type and Number	Condition	Blows/ 150mm	% Recovery	RQD	Odour	Headspace TOV ⊕ (ppm) 100 200 300 400 / Headspace TOV □ (%LEL) 20 40 60 80	Remarks and Sample Analyses
1		**SAND and GRAVEL (FILL)** - brown, damp, medium to coarse				SS-1 SS-1A			83		N N	⊕	Metals and PCB's Analyses
	1.22	**SAND and GRAVEL (NATIVE)** - greyish brown, moist, medium to coarse, trace hydrocarbon odour				SS-2			100		T	⊕	Metals, PAH, VOC's, F2-F4 and PCB's Analyses
	1.68	**END of BOREHOLE @ 1.68m** Refusal on inferred bedrock.											

ODOUR:
N - None
T - Trace
M - Moderate
S - Strong
VS- Very Strong

Prepared by: **G.C.Yule**

Checked by: **S.Prior**

Date: **06/03/07**

DCS
DECOMMISSIONING CONSULTING SERVICES LIMITED

Project: **CITY of GUELPH** Contract No: **49520-1**

Boring date: **08/02/2007** Supervised by: **G.C.Yule**

Borehole Location: **200 Beverley Street, Guelph**

Driller: **Profile Drilling Ltd.**

Drilling Method: **Power Probe 9700 w/ Double Tube**

Borehole: **BH07-47**

Monitoring Well: **n/a**

Sheet 1 of 1

Scale (m)	Elev. (m) Depth (m)	Description	Symbol	Well Details	Water Level	Sample Type and Number	Conditon	Blows/ 150mm	% Recovery	RQD	Odour	Headspace TOV ⊕ (ppm) 100 200 300 400 / Headspace TOV □ (%LEL) 20 40 60 80	Remarks and Sample Analyses
		Ground Surface Elevation: m											
		CONCRETE SLAB - 150mm thick											
	0.15	**SAND and GRAVEL (NATIVE)** - brown, damp, medium to coarse				SS-1			100		N	⊕	Metals Analyses
1						SS-2			100		N	⊕	Metals, PAH, VOC's, BTEX/F1, F2-F4 and PCB's Analyses
		- becoming moist @ 1.68m											
	1.80	**END of BOREHOLE @ 1.8m**											
		Refusal on inferred bedrock.											

ODOUR:
N - None
T - Trace
M - Moderate
S - Strong
VS- Very Strong

Prepared by: **G.C.Yule**

Checked by: **S.Prior**

Date: **06/03/07**

DCS
DECOMMISSIONING CONSULTING SERVICES LIMITED

Project: **CITY of GUELPH** Contract No: **49520-1**

Boring date: **08/02/2007** Supervised by: **G.C.Yule**

Borehole Location: **200 Beverley Street, Guelph**

Driller: **Profile Drilling Ltd.**

Drilling Method: **Power Probe 9700 w/ Double Tube**

Borehole: **BH07-48**

Monitoring Well: **n/a**

Sheet 1 of 1

Scale (m)	Elev. (m) Depth (m)	Description (Ground Surface Elevation: m)	Symbol	Well Details	Water Level	Sample Type and Number	Conditon	Blows/ 150mm	% Recovery	RQD	Odour	Headspace TOV ⊕ (ppm) 100 200 300 400 / Headspace TOV □ (%LEL) 20 40 60 80	Remarks and Sample Analyses
		CONCRETE SLAB - 100mm thick											
1	0.10	**SILTY SAND and GRAVEL (FILL/REWORKED)** - brown, damp, fine to medium				SS-1			100		N	⊕	Metals, PAH, BTEX/F1, F2-F4 and PCB's Analyses
	1.22	**SAND and LIMESTONE GRAVEL (NATIVE)** - brown, moist to damp, medium				SS-2			100		N	⊕	Metals, BTEX/F1 and F2-F4 Analyses
	1.42	**END of BOREHOLE @ 1.42m** Refusal on inferred bedrock.											

ODOUR:
N - None
T - Trace
M - Moderate
S - Strong
VS- Very Strong

Prepared by: **G.C.Yule**

Checked by: **S.Prior**

Date: **06/03/07**

DCS
DECOMMISSIONING CONSULTING SERVICES LIMITED

Project: CITY of GUELPH Contract No: 49520-1

Boring date: 09/02/2007 Supervised by: G.C.Yule

Borehole Location: 200 Beverley Street, Guelph

Driller: Profile Drilling Ltd.

Drilling Method: Power Probe 9700 w/ Double Tube

Borehole: BH07-49

Monitoring Well: n/a

Sheet 1 of 1

Scale (m)	Elev. (m) Depth (m)	Description	Symbol	Well Details	Water Level	Sample Type and Number	Conditon	Blows/ 150mm	% Recovery	RQD	Odour	Headspace TOV ⊕ (ppm) 100 200 300 400 / Headspace TOV □ (%LEL) 20 40 60 80	Remarks and Sample Analyses
		Ground Surface Elevation: m											
		CONCRETE SLAB - 150mm thick											
	0.15	**TOPSOIL (NATIVE)** - dark brown, moist, silty, some fine sand				SS-1			79		N	⊕	Metals Analyses
	0.30	**SAND and LIMESTONE GRAVEL** - brown, damp, medium				SS-1A					N	⊕	
1													
						SS-2			100		N	⊕	Metals, PAH, VOC's, BTEX/F1, F2-F4 and PCB's Analyses
	1.83	**END of BOREHOLE @ 1.83m** Refusal on inferred bedrock.											

ODOUR:
N - None
T - Trace
M - Moderate
S - Strong
VS- Very Strong

Prepared by: G.C.Yule

Checked by: S.Prior

Date: 06/03/07

DCS
DECOMMISSIONING CONSULTING SERVICES LIMITED

Project: **CITY of GUELPH** Contract No: **49520-1**

Boring date: **08/02/2007** Supervised by: **G.C.Yule**

Borehole Location: **200 Beverley Street, Guelph**

Driller: **Profile Drilling Ltd.**

Drilling Method: **Power Probe 9700 w/ Double Tube**

Borehole: **BH07-50**

Monitoring Well: **n/a**

Sheet 1 of 1

Scale (m)	Elev. (m) Depth (m)	Description	Symbol	Well Details	Water Level	Sample Type and Number	Conditon	Blows/ 150mm	% Recovery	RQD	Odour	Headspace TOV ⊕ (ppm) 100 200 300 400 / Headspace TOV □ (%LEL) 20 40 60 80	Remarks and Sample Analyses
		Ground Surface Elevation: m											
	0.05	**CONCRETE SLAB** - 50mm thick **SAND (FILL/REWORKED NATIVE)** - dark brown, damp, fine to medium, some silt				SS-1			75		N	⊕	Inorganics, Metals, F2-F4 and PCB's Analyses
1	1.07	**SAND and LIMESTONE GRAVEL (NATIVE)** - brown, damp, fine to medium				SS-1A					N	⊕	
						SS-2			100		N	⊕	Metals and PCB's Analyses
	1.67	**END of BOREHOLE @ 1.67m** Refusal on inferred bedrock.											

ODOUR:
N - None
T - Trace
M - Moderate
S - Strong
VS - Very Strong

Prepared by: **G.C.Yule**

Checked by: **S.Prior**

Date: **06/03/07**

DCS
DECOMMISSIONING CONSULTING SERVICES LIMITED

Project: **CITY of GUELPH** Contract No: **49520-1**

Boring date: **08/02/2007** Supervised by: **G.C.Yule**

Borehole Location: **200 Beverley Street, Guelph**

Driller: **Profile Drilling Ltd.**

Drilling Method: **Power Probe 9700 w/ Double Tube**

Borehole: **BH07-51**

Monitoring Well: **n/a**

Sheet 1 of 1

Scale (m)	Elev. (m) Depth (m)	Description (Ground Surface Elevation: m)	Symbol	Well Details	Water Level	Sample Type and Number	Conditon	Blows/ 150mm	% Recovery	RQD	Odour	Headspace TOV ⊕ (ppm) 100 200 300 400 / Headspace TOV □ (%LEL) 20 40 60 80	Remarks and Sample Analyses
1		**SAND (FILLREWORKED NATIVE)** - dark brown to black, damp, fine, some gravel and fine coal, trace red brick				SS-1 SS-1A			73		N N	⊕	Metals, F2-F4, TOC and PCB's Analyses
2	1.22	**SAND and LIMESTONE GRAVEL (NATIVE)** - brown, damp to moist, fine to medium, some silt				SS-2			88		N	⊕	Metals, PAH, VOC's, BTEX/F1 and F2-F4 Analyses
	2.06	**END of BOREHOLE @ 2.06m** Refusal on inferred bedrock.											

ODOUR:
N - None
T - Trace
M - Moderate
S - Strong
VS - Very Strong

Prepared by: **G.C.Yule**

Checked by: **S.Prior**

Date: **06/03/07**

DCS
DECOMMISSIONING CONSULTING SERVICES LIMITED

Project: **CITY of GUELPH** Contract No: **49520-1**

Boring date: **08/02/2007** Supervised by: **G.C.Yule**

Borehole Location: **200 Beverley Street, Guelph**

Driller: **Profile Drilling Ltd.**

Drilling Method: **Power Probe 9700 w/ Double Tube**

Borehole: **BH07-52**

Monitoring Well: **n/a**

Sheet 1 of 1

Scale (m)	Elev. (m) Depth (m)	Description (Ground Surface Elevation: m)	Symbol	Well Details	Water Level	Sample Type and Number	Conditon	Blows/ 150mm	% Recovery	RQD	Odour	Headspace TOV ⊕ (ppm) 100 200 300 400 / Headspace TOV □ (%LEL) 20 40 60 80	Remarks and Sample Analyses
1		**SILTY SAND (FILL/REWORKED NATIVE)** - dark brown, damp, fine to medium, some humus and gravel, trace tin foil and fine coal				SS-1			75		N		Metals, PAH, BTEX/F1, F2-F4, TOC and PCB's Analyses DUP # 3 PCB's Analyses
	1.22	**SAND and GRAVEL (NATIVE)** - dark brown, damp, medium to coarse, some silt				SS-2			90		N		
2	1.83	**SAND** - brown, moist, medium, some silt, trace to some limestone gravel				SS-2A					N		Metals, BTEX/F1 and F2-F4 Analyses
	2.01	**END of BOREHOLE @ 2.01m** Refusal on inferred bedrock.											

ODOUR:
N - None
T - Trace
M - Moderate
S - Strong
VS- Very Strong

Prepared by: **G.C.Yule**

Checked by: **S.Prior**

Date: **06/03/07**

DCS
DECOMMISSIONING CONSULTING SERVICES LIMITED

Project: **CITY of GUELPH** Contract No: **49520-1**

Boring date: **08/02/2007** Supervised by: **G.C.Yule**

Borehole Location: **200 Beverley Street, Guelph**

Driller: **Profile Drilling Ltd.**

Drilling Method: **Power Probe 9700 w/ Double Tube**

Borehole: **BH07-53**

Monitoring Well: **n/a**

Sheet 1 of 1

Scale (m)	Elev. (m) Depth (m)	Description	Symbol	Well Details	Water Level	Sample Type and Number	Conditon	Blows/ 150mm	% Recovery	RQD	Odour	Headspace TOV ⊕ (ppm) 100 200 300 400 / Headspace TOV □ (%LEL) 20 40 60 80	Remarks and Sample Analyses
		Ground Surface Elevation: m											
1		**SAND and GRAVEL (FILL/REWORKED NATIVE)** - dark brown, damp, fine to medium, silty				SS-1 SS-1A			83		N N	⊕	Inorganics, Metals, PAH, VOC's and F2-F4 Analyses
	1.22	**SAND and LIMESTONE GRAVEL (NATIVE)** - brown, damp, medium				SS-2			100		N	⊕	Metals, VOC's, BTEX/F1 and F2-F4 Analyses
	1.47	**END of BOREHOLE @ 1.47m** Refusal on inferred bedrock.											DUP #1 Inorganics, Metals, PAH, VOC's and F2-F4 Analyses

ODOUR:
N - None
T - Trace
M - Moderate
S - Strong
VS- Very Strong

Prepared by: **G.C.Yule**

Checked by: **S.Prior**

Date: **06/03/07**

DCS
DECOMMISSIONING CONSULTING SERVICES LIMITED

Project: **CITY of GUELPH** Contract No: **49520-1**

Boring date: **08/02/2007** Supervised by: **G.C.Yule**

Borehole Location: **200 Beverley Street, Guelph**

Driller: **Profile Drilling Ltd.**

Drilling Method: **Power Probe 9700 w/ Double Tube**

Borehole: **BH07-54**

Monitoring Well: **n/a**

Sheet 1 of 1

Scale (m)	Elev. (m) Depth (m)	Stratigraphy: Description (Ground Surface Elevation: m)	Symbol	Samples: Well Details	Water Level	Sample Type and Number	Condition	Blows/ 150mm	% Recovery	RQD	Odour	Headspace TOV ⊕ (ppm) 100 200 300 400 / Headspace TOV □ (%LEL) 20 40 60 80	Remarks and Sample Analyses
		SILTY SAND (FILL/REWORKED NATIVE) - dark brown, damp, fine, some gravel, trace fine coal and clinker				SS-1			77		N	⊕	Metals, BTEX/F1 and F2-F4 Analyses
						SS-1A					N		
	0.61	**SAND and LIMESTONE GRAVEL (NATIVE)** - brown, damp, medium to coarse, trace silt				SS-1B					N	⊕	
1													
						SS-2			100		N	⊕	Inorganics, Metals, PAH, BTEX/F1 and F2-F4 Analyses
2													
	2.39	**END of BOREHOLE @ 2.39m** Refusal on inferred bedrock.											

ODOUR:
N - None
T - Trace
M - Moderate
S - Strong
VS- Very Strong

Prepared by: **G.C.Yule**

Checked by: **S.Prior**

Date: **06/03/07**

DCS
DECOMMISSIONING CONSULTING SERVICES LIMITED

Project: CITY of GUELPH Contract No: 49520-1

Boring date: 08/02/2007 Supervised by: G.C.Yule

Borehole Location: 200 Beverley Street, Guelph

Driller: Profile Drilling Ltd.

Drilling Method: Power Probe 9700 w/ Double Tube

Borehole: BH07-55

Monitoring Well: n/a

Sheet 1 of 1

Scale (m)	Elev. (m) Depth (m)	Description (Ground Surface Elevation: m)	Symbol	Well Details	Water Level	Sample Type and Number	Condition	Blows/ 150mm	% Recovery	RQD	Odour	Headspace TOV ⊕ (ppm) 100 200 300 400 / Headspace TOV □ (%LEL) 20 40 60 80	Remarks and Sample Analyses
		SAND (FILL/REWORKED NATIVE) - dark brown, damp, fine to medium, some silt, trace slag				SS-1			75		N		
						SS-1A					N		
1	0.91	**SAND and LIMESTONE GRAVEL (NATIVE)** - brown, damp, medium, trace silt				SS-1B					N		Metals, PAH, VOC's, BTEX/F1 and F2-F4 Analyses
						SS-2			100		N		
	1.80	**END of BOREHOLE @ 1.8m** Refusal on inferred bedrock.											

ODOUR:
N - None
T - Trace
M - Moderate
S - Strong
VS - Very Strong

Prepared by: G.C.Yule

Checked by: S.Prior

Date: 06/03/07

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DECOMMISSIONING CONSULTING SERVICES LIMITED

Project: **CITY of GUELPH** Contract No: **49520-1**

Boring date: **09/02/2007** Supervised by: **G.C.Yule**

Borehole Location: **200 Beverley Street, Guelph**

Driller: **Profile Drilling Ltd.**

Drilling Method: **Power Probe 9700 w/ Double Tube**

Borehole: **BH07-56**

Monitoring Well: **n/a**

Sheet 1 of 1

Scale (m)	Elev. (m) Depth (m)	Description (Ground Surface Elevation: m)	Symbol	Well Details	Water Level	Sample Type and Number	Conditon	Blows/ 150mm	% Recovery	RQD	Odour	Headspace TOV ⊕ (ppm) 100 200 300 400 / Headspace TOV □ (%LEL) 20 40 60 80	Remarks and Sample Analyses
		SAND and GRAVEL (FILL/REWORKED NATIVE) - black and brown, damp, medium to coarse, some coal and clinker, trace humus				SS-1			83		N	⊕	Metals, PAH, VOC's, BTEX/F1, F2-F4 and PCB's Analyses
						SS-1A					N	⊕	
1	0.91	**SAND (NATIVE)** - brown, moist, fine to medium, some silt and gravel				SS-1B					N	⊕	
	1.22	**SAND and LIMESTONE GRAVEL** - brown, moist to damp, medium, trace silt				SS-2					N	⊕	Metals and VOC's Analyses
	1.67	**END of BOREHOLE @ 1.67m** Refusal on inferred bedrock.											

ODOUR:
N - None
T - Trace
M - Moderate
S - Strong
VS- Very Strong

Prepared by: **G.C.Yule**

Checked by: **S.Prior**

Date: **06/03/07**

DCS
DECOMMISSIONING CONSULTING SERVICES LIMITED

Project: **CITY of GUELPH** Contract No: **49520-1**

Boring date: **08/02/2007** Supervised by: **G.C.Yule**

Borehole Location: **200 Beverley Street, Guelph**

Driller: **Profile Drilling Ltd.**

Drilling Method: **Power Probe 9700 w/ Double Tube**

Borehole: **BH07-57**

Monitoring Well: **n/a**

Sheet 1 of 1

Scale (m)	Elev. (m) Depth (m)	Description	Symbol	Well Details	Water Level	Sample Type and Number	Conditon	Blows/ 150mm	% Recovery	RQD	Odour	Headspace TOV ⊕ (ppm) 100 200 300 400 / Headspace TOV □ (%LEL) 20 40 60 80	Remarks and Sample Analyses
		Ground Surface Elevation: m											
1	0.05	**SILTY TOPSOIL (FILL)** - dark brown, damp, trace red brick and coal				SS-1			67		N	⊕	Inorganics, Metals, PAH, VOC's, BTEX/F1, F2-F4 and PCB's Analyses DUP #5 Metals Analyses
		SILTY SAND (FILL/REWORKED NATIVE) - dark brown, damp, fine to medium, some gravel, trace to some fine coal and red brick				SS-1A					N		
	1.22	**SAND and LIMESTONE GRAVEL (NATIVE)** - brown, damp, fine to medium, some to trace silt				SS-2			100		N	⊕	Metals Analyses
	1.88	**END of BOREHOLE @ 1.88m** Refusal on inferred bedrock.											

ODOUR:
N - None
T - Trace
M - Moderate
S - Strong
VS- Very Strong

Prepared by: **G.C.Yule**

Checked by: **S.Prior**

Date: **06/03/07**

DCS
DECOMMISSIONING CONSULTING SERVICES LIMITED

Project: CITY of GUELPH Contract No: 49520-1

Boring date: 09/02/2007 Supervised by: G.C.Yule

Borehole Location: 200 Beverley Street, Guelph

Driller: Profile Drilling Ltd.

Drilling Method: Power Probe 9700 w/ Double Tube

Borehole: BH07-58

Monitoring Well: n/a

Sheet 1 of 1

Scale (m)	Elev. (m) Depth (m)	Stratigraphy: Description (Ground Surface Elevation: m)	Symbol	Samples: Well Details	Water Level	Sample Type and Number	Condition	Blows/ 150mm	% Recovery	RQD	Odour	Headspace TOV ⊕ (ppm) 100 200 300 400 / Headspace TOV □ (%LEL) 20 40 60 80	Remarks and Sample Analyses
1		**SAND and GRAVEL (FILL/REWORKED NATIVE)** - dark brown, damp, medium to coarse, some coal and clinker				SS-1			88		N		
						SS-1A					N		Metals, PAH, VOC's, BTEX/F1, F2-F4 and PCB's Analyses
	0.61	**SAND (FILL/REWORKED NATIVE)** - black, damp, medium, some fine coal, trace gravel				SS-1B					N		
	1.22	**SAND and LIMESTONE GRAVEL (NATIVE)** - brown, damp, medium, trace silt				SS-2			88		N		Metals Analyses
	1.63	**END of BOREHOLE @ 1.63m** Refusal on inferred bedrock.											

ODOUR:
N - None
T - Trace
M - Moderate
S - Strong
VS - Very Strong

Prepared by: G.C.Yule

Checked by: S.Prior

Date: 06/03/07

DCS
DECOMMISSIONING CONSULTING SERVICES LIMITED

Project: CITY of GUELPH Contract No: 49520-1

Boring date: 09/02/2007 Supervised by: G.C.Yule

Borehole Location: 200 Beverley Street, Guelph

Driller: Profile Drilling Ltd.

Drilling Method: Power Probe 9700 w/ Double Tube

Borehole: BH07-59

Monitoring Well: n/a

Sheet 1 of 1

Scale (m)	Elev. (m) Depth (m)	Description	Symbol	Well Details	Water Level	Sample Type and Number	Conditon	Blows/ 150mm	% Recovery	RQD	Odour	Headspace TOV ⊕ (ppm) 100 200 300 400 / Headspace TOV □ (%LEL) 20 40 60 80	Remarks and Sample Analyses
		Ground Surface Elevation: m											
		SILTY TOPSOIL (FILL/REWORKED NATIVE) black, moist to damp, trace fine sand and gravel, trace coal				SS-1			100		N	⊕	
						SS-1A					N		Metals, PAH, VOC's, BTEX/F1 and PCB's Analyses
	0.30	**SAND and LIMESTONE GRAVEL (NATIVE)** - brown, damp, medium, trace silt				SS-1B					N	⊕	Metals Analyses
	0.69	**END of BOREHOLE @ 0.69m**											
		Refusal on inferred bedrock.											

ODOUR:
N - None
T - Trace
M - Moderate
S - Strong
VS- Very Strong

Prepared by: G.C.Yule

Checked by: S.Prior

Date: 06/03/07

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DECOMMISSIONING CONSULTING SERVICES LIMITED

Project: **CITY of GUELPH** Contract No: **49520-1**

Boring date: **09/02/2007** Supervised by: **G.C.Yule**

Borehole Location: **200 Beverley Street, Guelph**

Driller: **Profile Drilling Ltd.**

Drilling Method: **Power Probe 9700 w/ Double Tube**

Borehole: **BH07-60**

Monitoring Well: **n/a**

Sheet 1 of 1

Scale (m)	Elev. (m) Depth (m)	Description (Ground Surface Elevation: m)	Symbol	Well Details	Water Level	Sample Type and Number	Conditon	Blows/ 150mm	% Recovery	RQD	Odour	Headspace TOV ⊕ (ppm) 100 200 300 400 / Headspace TOV □ (%LEL) 20 40 60 80	Remarks and Sample Analyses
		SAND and GRAVEL (FILL/REWORKED NATIVE) - black, damp, medium to coarse, some coal and clinker				SS-1			89		N		Inorganics, Metals, PAH, VOC's, BTEX/F1 and F2-F4 Analyses
						SS-1A					N		
	0.76	**SAND (NATIVE)** - brown, damp, medium, some limestone gravel, trace silt				SS-1B					N		Metals Analyses
1	1.19	**END of BOREHOLE @ 1.19m** Refusal on inferred bedrock.											

ODOUR:
N - None
T - Trace
M - Moderate
S - Strong
VS- Very Strong

Prepared by: **G.C.Yule**

Checked by: **S.Prior**

Date: **06/03/07**

DCS
DECOMMISSIONING CONSULTING SERVICES LIMITED

Project: CITY of GUELPH Contract No: 49520-1

Boring date: 08/02/2007 Supervised by: G.C.Yule

Borehole Location: 200 Beverley Street, Guelph

Driller: Profile Drilling Ltd.

Drilling Method: Power Probe 9700 w/ Double Tube

Borehole: BH07-61

Monitoring Well: n/a

Sheet 1 of 1

Scale (m)	Elev. (m) Depth (m)	Description (Ground Surface Elevation: m)	Symbol	Well Details	Water Level	Sample Type and Number	Condition	Blows/ 150mm	% Recovery	RQD	Odour	Headspace TOV ⊕ (ppm) 100 200 300 400 / Headspace TOV □ (%LEL) 20 40 60 80	Remarks and Sample Analyses
1	0.05	**SANDY TOPSOIL (FILL/REWORKED NATIVE)** - dark brown, damp, medium, some to trace fine coal				SS-1			75		N		Metals, PAH, VOC's, BTEX/F1, F2-F4, TOC and PCB's Analyses
		SAND (FILL/REWORKED NATIVE) - dark brown to brown, damp, medium, trace silt and fine coal				SS-1A					N		
	1.22	**SILTY TOPSOIL (NATIVE)** - dark brown, damp				SS-2			100		N		Metals Analyses
	1.37	**SAND and LIMESTONE GRAVEL** - brown, damp, medium, trace to some silt				SS-2A					N		
	1.83	**END of BOREHOLE @ 1.83m** Refusal on inferred bedrock.											

ODOUR:
N - None
T - Trace
M - Moderate
S - Strong
VS - Very Strong

Prepared by: G.C.Yule

Checked by: S.Prior

Date: 06/03/07

DCS
DECOMMISSIONING CONSULTING SERVICES LIMITED

Project: **CITY of GUELPH** Contract No: **49520-1**

Boring date: **08/02/2007** Supervised by: **G.C.Yule**

Borehole Location: **200 Beverley Street, Guelph**

Driller: **Profile Drilling Ltd.**

Drilling Method: **Power Probe 9700 w/ Double Tube**

Borehole: **BH07-62**

Monitoring Well: **n/a**

Sheet 1 of 1

Scale (m)	Elev. (m) Depth (m)	Description (Ground Surface Elevation: m)	Symbol	Well Details	Water Level	Sample Type and Number	Condition	Blows/ 150mm	% Recovery	RQD	Odour	Headspace TOV ⊕ (ppm) 100 200 300 400 / Headspace TOV □ (%LEL) 20 40 60 80	Remarks and Sample Analyses
	0.05	**SAND and HUMUS (FILL)** - dark brown, damp, medium				SS-1			75		N		Inorganics and Metals Analyses
		SAND (FILL/REWORKED NATIVE) - brown, damp, medium, some limestone gravel				SS-1A					N		
	0.61	**SAND (FILL/REWORKED NATIVE)** - dark brown, damp, medium, some silt and fine coal				SS-1B					N		Inorganics, Metals, PAH, VOC's, F2-F4 and PCB's Analyses DUP #6 Metals Analyses
1													
	1.22					SS-2			100		N		
2		**END of BOREHOLE @ 2.03m** Refusal on inferred bedrock.											

ODOUR:
N - None
T - Trace
M - Moderate
S - Strong
VS- Very Strong

Prepared by: **G.C.Yule**

Checked by: **S.Prior**

Date: **06/03/07**

DCS
DECOMMISSIONING CONSULTING SERVICES LIMITED

Project: **CITY of GUELPH** Contract No: **49520-1**

Boring date: **09/02/2007** Supervised by: **G.C.Yule**

Borehole Location: **200 Beverley Street, Guelph**

Driller: **Profile Drilling Ltd.**

Drilling Method: **Power Probe 9700 w/ Double Tube**

Borehole: **BH07-63**

Monitoring Well: **n/a**

Sheet 1 of 1

Scale (m)	Elev. (m) Depth (m)	Description (Ground Surface Elevation: m)	Symbol	Well Details	Water Level	Sample Type and Number	Condition	Blows/ 150mm	% Recovery	RQD	Odour	Headspace TOV ⊕ (ppm) 100 200 300 400 / Headspace TOV □ (%LEL) 20 40 60 80	Remarks and Sample Analyses
1		**COAL and CLINKER (FILL)** - black, damp, some sand				SS-1 SS-1A			63		N N		Metals and VOC's Analyses
	1.22	**SILTY SAND (NATIVE)** - brown, damp, fine to medium, some limestone gravel				SS-2			85		N		Inorganics, Metals, VOC's, BTEX/F1, F2-F4 and TOC Analyses
	1.88	**END of BOREHOLE @ 1.88m** Refusal on inferred bedrock.											

ODOUR:
N - None
T - Trace
M - Moderate
S - Strong
VS- Very Strong

Prepared by: **G.C.Yule**

Checked by: **S.Prior**

Date: **06/03/07**

DCS
DECOMMISSIONING CONSULTING SERVICES LIMITED

Project: CITY of GUELPH Contract No: 49520-1

Boring date: 08/02/2007 Supervised by: G.C.Yule

Borehole Location: 200 Beverley Street, Guelph

Driller: Profile Drilling Ltd.

Drilling Method: Power Probe 9700 w/ Double Tube

Borehole: BH07-64

Monitoring Well: n/a

Sheet 1 of 1

Scale (m)	Stratigraphy: Elev. (m) Depth (m)	Description (Ground Surface Elevation: m)	Symbol	Samples: Well Details	Water Level	Sample Type and Number	Conditon	Blows/ 150mm	% Recovery	RQD	Odour	Headspace TOV ⊕ (ppm) 100 200 300 400 / Headspace TOV □ (%LEL) 20 40 60 80	Remarks and Sample Analyses
	0.05	**TOPSOIL (FILL)** - black, damp, some medium sand, trace roots				SS-1			67		N	⊕	Inorganics, Metals, PAH, VOC's, BTEX/F1 and F2-F4 Analyses
		SAND (FILL/REWORKED NATIVE) - dark brown, damp, medium, trace to some silt and coal, trace glass				SS-1A					N		
1	1.22	**SAND and LIMESTONE GRAVEL (NATIVE)** - brown, damp, fine to medium, some silt				SS-2			71		N	⊕	Metals Analyses
2	2.29	**END of BOREHOLE @ 2.29m** Refusal on inferred bedrock.											

ODOUR:
N - None
T - Trace
M - Moderate
S - Strong
VS- Very Strong

Prepared by: G.C.Yule

Checked by: S.Prior

Date: 06/03/07

DCS
DECOMMISSIONING CONSULTING SERVICES LIMITED

Project: **CITY of GUELPH** Contract No: **49520-1**

Boring date: **09/02/2007** Supervised by: **G.C.Yule**

Borehole Location: **200 Beverley Street, Guelph**

Driller: **Profile Drilling Ltd.**

Drilling Method: **Power Probe 9700 w/ Double Tube**

Borehole: **BH07-65**

Monitoring Well: **n/a**

Sheet 1 of 1

Scale (m)	Elev. (m) Depth (m)	Description (Ground Surface Elevation: m)	Symbol	Well Details	Water Level	Sample Type and Number	Condition	Blows/ 150mm	% Recovery	RQD	Odour	Headspace TOV ⊕ (ppm) 100 200 300 400 / Headspace TOV □ (%LEL) 20 40 60 80	Remarks and Sample Analyses
		SILTY TOPSOIL (FILL/REWORKED NATIVE) black, damp, some fine sand and coal, trace gravel				SS-1			63		N		Metals, PAH, BTEX/F1, F2-F4 and PCB's Analyses
						SS-1A					N		
	0.61	**SILTY SAND and LIMESTONE GRAVEL (NATIVE)** - brown, damp, fine				SS-1B					N		
1													
						SS-2			94		N		Metals, VOC's and PCB's Analyses
2	2.03	**END of BOREHOLE @ 2.03m** Refusal on inferred bedrock.											

ODOUR:
N - None
T - Trace
M - Moderate
S - Strong
VS- Very Strong

Prepared by: **G.C.Yule**

Checked by: **S.Prior**

Date: **06/03/07**

DCS
DECOMMISSIONING CONSULTING SERVICES LIMITED

Project: **CITY of GUELPH** Contract No: **49520-1**

Boring date: **09/02/2007** Supervised by: **G.C.Yule**

Borehole Location: **200 Beverley Street, Guelph**

Driller: **Profile Drilling Ltd.**

Drilling Method: **Power Probe 9700 w/ Double Tube**

Borehole: **BH07-66**

Monitoring Well: **n/a**

Sheet 1 of 1

Scale (m)	Elev. (m) Depth (m)	Description (Ground Surface Elevation: m)	Symbol	Well Details	Water Level	Sample Type and Number	Condition	Blows/ 150mm	% Recovery	RQD	Odour	Headspace TOV ⊕ (ppm) 100 200 300 400 / Headspace TOV □ (%LEL) 20 40 60 80	Remarks and Sample Analyses
1		**SAND (FILL/REWORKED NATIVE)** - black, damp, medium to coarse, some gravel and coal				SS-1 SS-1A			100		N N	⊕	Metals, PAH, BTEX/F1, F2-F4 and PCB's Analyses
	1.22	**SAND and LIMESTONE GRAVEL (NATIVE)** - brown, damp, medium				SS-2			100		N	⊕	Metals, F2-F4 and PCB's Analyses
	1.32	**END of BOREHOLE @ 1.32m** Refusal on inferred bedrock.											

ODOUR:
N - None
T - Trace
M - Moderate
S - Strong
VS- Very Strong

Prepared by: **G.C.Yule**

Checked by: **S.Prior**

Date: **06/03/07**

DCS
DECOMMISSIONING CONSULTING SERVICES LIMITED

Project: **CITY of GUELPH** Contract No: **49520-1**

Boring date: **09/02/2007** Supervised by: **G.C.Yule**

Borehole Location: **200 Beverley Street, Guelph**

Driller: **Profile Drilling Ltd.**

Drilling Method: **Power Probe 9700 w/ Double Tube**

Borehole: **BH07-67**

Monitoring Well: **n/a**

Sheet 1 of 1

Scale (m)	Elev. (m) Depth (m)	Stratigraphy: Description (Ground Surface Elevation: m)	Symbol	Samples: Well Details	Water Level	Sample Type and Number	Conditon	Blows/ 150mm	% Recovery	RQD	Odour	Headspace TOV ⊕ (ppm) 100 200 300 400 / Headspace TOV □ (%LEL) 20 40 60 80	Remarks and Sample Analyses
	0.05	**SAND and GRAVEL (FILL)** - brown, damp				SS-1			83		N	⊕	
		SILTY COAL and CLINKER (FILL/REWORKED NATIVE) - black, damp, some fine to medium sand, trace to some humus, trace hydrocarbon odour				SS-1A					N		Metals, VOC's, F2-F4 and PCB's Analyses
1	0.91	**SAND and LIMESTONE GRAVEL (NATIVE)** - greyish brown, damp, fine to medium				SS-1B					N	⊕	
						SS-2			100		N	⊕	Metals, VOC's, and PCB's Analyses
	1.37	**END of BOREHOLE @ 1.37m**											
		Refusal on inferred bedrock.											

ODOUR:
N - None
T - Trace
M - Moderate
S - Strong
VS- Very Strong

Prepared by: **G.C.Yule**

Checked by: **S.Prior**

Date: **06/03/07**

DCS
DECOMMISSIONING CONSULTING SERVICES LIMITED

Project: **CITY of GUELPH** Contract No: **49520-1**

Boring date: **09/02/2007** Supervised by: **G.C.Yule**

Borehole Location: **200 Beverley Street, Guelph**

Driller: **Profile Drilling Ltd.**

Drilling Method: **Power Probe 9700 w/ Double Tube**

Borehole: **BH07-68**

Monitoring Well: **n/a**

Sheet 1 of 1

Scale (m)	Elev. (m) Depth (m)	Description (Ground Surface Elevation: m)	Symbol	Well Details	Water Level	Sample Type and Number	Conditon	Blows/ 150mm	% Recovery	RQD	Odour	Headspace TOV ⊕ (ppm) 100 200 300 400 / Headspace TOV □ (%LEL) 20 40 60 80	Remarks and Sample Analyses
1		**SAND and GRAVEL (FILL/REWORKED NATIVE)** - black, damp, medium to coarse, some coal and clinker, trace humus				SS-1			83		N	⊕	Metals, F2-F4 and PCB's Analyses
						SS-1A					N		Metals, F2-F4 and PCB's Analyses
	0.61	**SAND and LIMESTONE GRAVEL (NATIVE)** - brown, damp, medium, trace silt				SS-1B					N	⊕	
						SS-2			100		N	⊕	
	1.32	**END of BOREHOLE @ 1.32m** Refusal on inferred bedrock.											

ODOUR:
N - None
T - Trace
M - Moderate
S - Strong
VS- Very Strong

Prepared by: **G.C.Yule**

Checked by: **S.Prior**

Date: **06/03/07**

DCS
DECOMMISSIONING CONSULTING SERVICES LIMITED

Project: CITY of GUELPH Contract No: 49520-1

Boring date: 09/02/2007 Supervised by: G.C.Yule

Borehole Location: 200 Beverley Street, Guelph

Driller: Profile Drilling Ltd.

Drilling Method: Power Probe 9700 w/ Double Tube

Borehole: BH07-69

Monitoring Well: n/a

Sheet 1 of 1

Scale (m)	Elev. (m) Depth (m)	Description (Ground Surface Elevation: m)	Symbol	Well Details	Water Level	Sample Type and Number	Condition	Blows/ 150mm	% Recovery	RQD	Odour	Headspace TOV ⊕ (ppm) 100 200 300 400 / Headspace TOV □ (%LEL) 20 40 60 80	Remarks and Sample Analyses
1	0.08	**SAND and GRAVEL (FILL)** - brown, damp, medium to coarse				SS-1			83		N		Inorganics, Metals, PAH, VOC's and F2-F4 Analyses
		SAND (FILL/REWORKED NATIVE) - black and dark brown, damp, medium, some coal and clinker, trace to some gravel				SS-1A					N		
	1.22	**SAND and LIMESTONE GRAVEL (NATIVE)** - brown, damp, medium, trace silt				SS-2			100		N		Metals Analyses
	1.42	**END of BOREHOLE @ 1.42m** Refusal on inferred bedrock.											

ODOUR:
N - None
T - Trace
M - Moderate
S - Strong
VS- Very Strong

Prepared by: G.C.Yule

Checked by: S.Prior

Date: 06/03/07

DCS
DECOMMISSIONING CONSULTING SERVICES LIMITED

Project: **CITY of GUELPH** Contract No: **49520-1**

Boring date: **09/02/2007** Supervised by: **G.C.Yule**

Borehole Location: **200 Beverley Street, Guelph**

Driller: **Profile Drilling Ltd.**

Drilling Method: **Power Probe 9700 w/ Double Tube**

Borehole: **BH07-70**

Monitoring Well: **n/a**

Sheet 1 of 1

Scale (m)	Elev. (m) Depth (m)	Description (Ground Surface Elevation: m)	Symbol	Well Details	Water Level	Sample Type and Number	Conditon	Blows/ 150mm	% Recovery	RQD	Odour	Headspace TOV ⊕ (ppm) 100 200 300 400 / Headspace TOV □ (%LEL) 20 40 60 80	Remarks and Sample Analyses
1	0.05	**SAND and GRAVEL (FILL)** - brown, damp, medium				SS-1			63		N		Inorganics, Metals, PAH, BTEX/F1, F2-F4 and PCB's Analyses
		SAND and GRAVEL (FILL/REWORKED NATIVE) - black and brown, damp, medium, some silt and coal & clinker				SS-1A					N		
	1.22	**SAND (FILL/REWORKED NATIVE)** - black, damp, medium, trace gravel				SS-2			75		N		Metals and F2-F4 Analyses
	1.73	**END of BOREHOLE @ 1.73m** Refusal on inferred bedrock.											

ODOUR:
N - None
T - Trace
M - Moderate
S - Strong
VS - Very Strong

Prepared by: **G.C.Yule**

Checked by: **S.Prior**

Date: **06/03/07**

DCS
DECOMMISSIONING CONSULTING SERVICES LIMITED

Project: **CITY of GUELPH** Contract No: **49520-1**

Boring date: **09/02/2007** Supervised by: **G.C.Yule**

Borehole Location: **200 Beverley Street, Guelph**

Driller: **Profile Drilling Ltd.**

Drilling Method: **Power Probe 9700 w/ Double Tube**

Borehole: **BH07-71**

Monitoring Well: **n/a**

Sheet 1 of 1

Scale (m)	Elev. (m) Depth (m)	Description (Ground Surface Elevation: m)	Symbol	Well Details	Water Level	Sample Type and Number	Condition	Blows/ 150mm	% Recovery	RQD	Odour	Headspace TOV ⊕ (ppm) 100 200 300 400 / Headspace TOV □ (%LEL) 20 40 60 80	Remarks and Sample Analyses
1	0.05	**SAND and GRAVEL (FILL)** - brown, damp, medium to coarse				SS-1			63		N		Inorganics, Metals, PAH, VOC's and F2-F4 Analyses
		SAND, COAL and CLINKER (FILL/REWORKED NATIVE) - black, damp, medium to fine, some red brick				SS-1A					N		
	1.22	**SAND and LIMESTONE GRAVEL (NATIVE)** - brown, damp, medium to fine				SS-2			100		N		Metals Analyses
	1.32	**END of BOREHOLE @ 1.32m**											
		Refusal on inferred bedrock.											

ODOUR:
N - None
T - Trace
M - Moderate
S - Strong
VS- Very Strong

Prepared by: **G.C.Yule**

Checked by: **S.Prior**

Date: **06/03/07**

DCS
DECOMMISSIONING CONSULTING SERVICES LIMITED

Project: **CITY of GUELPH** Contract No: **49520-1**

Boring date: **22/02/2007** Supervised by: **G.C.Yule**

Borehole Location: **200 Beverley Street, Guelph**

Driller: **Profile Drilling Ltd.**

Drilling Method: **Power Probe 9700 w/ Double Tube**

Borehole: **North Pile**

Monitoring Well: **n/a**

Sheet 1 of 1

Scale (m)	Stratigraphy: Elev. (m) Depth (m)	Description (Ground Surface Elevation: m)	Symbol	Samples: Well Details	Water Level	Sample Type and Number	Conditon	Blows/ 150mm	% Recovery	RQD	Odour	Headspace TOV ⊕ (ppm) 100 200 300 400 / Headspace TOV □ (%LEL) 20 40 60 80	Remarks and Sample Analyses
1		**SILTY HUMUS and SAND (FILL)** - black, damp, fine to medium, trace coal				SS-1					N		Inorganics, Metals, PAH, VOC's, BTEX/F1, F2-F4 and PCB's Analyses DUP #13 Inorganics Analyses
	1.22	**END of BOREHOLE @ 1.22m**											

ODOUR:
N - None
T - Trace
M - Moderate
S - Strong
VS- Very Strong

Prepared by: **G.C.Yule**

Checked by: **S.Prior**

Date: **06/03/07**

DCS
DECOMMISSIONING CONSULTING SERVICES LIMITED

Project: **CITY of GUELPH** Contract No: **49520-1**

Boring date: **22/02/2007** Supervised by: **G.C.Yule, C. Archibald**

Borehole Location: **200 Beverley Street, Guelph**

Driller: **Profile Drilling Ltd. + Lantech Drilling**

Drilling Method: **Power Probe 9700 w/ Double Tube + CME 75 Power Auger**

Borehole: **OW07-31**

Monitoring Well: **Installed**

Sheet 1 of 1

Scale (m)	Elev. (m) Depth (m)	Description (Ground Surface Elevation: 315.93m)	Symbol	Well Details	Water Level	Sample Type and Number	Conditon	Blows/ 150mm	% Recovery	RQD	Odour	Headspace TOV ⊕ (ppm) 100 200 300 400 / Headspace TOV □ (%LEL) 20 40 60 80	Remarks and Sample Analyses
1		**SAND and COAL (FILL/REWORKED NATIVE)** - black, damp, medium, trace gravel				SS-1			63		N		Inorganics, Metals, VOC's, BTEX/F1 and F2-F4 Analyses DUP #8 VOC's, BTEX/F1 and F2 to F4 Analyses
	314.71 1.22	**SAND and LIMESTONE GRAVEL (NATIVE)** - brown, damp, medium, trace to some silt				SS-2			86		N		
	314.28 1.65	**LIMESTONE (BEDROCK)**-grey/brown, fine grain crystalline vesicular, some organic mud/ shaley laminations, calcite mineralization as amygdular nodules, pitting, banding, highly fractured.				Run1			62	0			
2													
3						Run2			100	0			
4		Heavily fractured 4.27-4.6m, weathered, residual carbonate rich sands, shaley partings											
						Run3			100	30			
5													
6		**MARLED LIMESTONE high mud content** -dark grey/brown, fine grain, increased mud and organic content, shale laminations 1-3mm, amygdular calcite nodules											
	309.71 6.22	**END OF BORE HOLE @ 6.22m**											
		Note: original sampling found infered bedrock (refusal) @ 1.58m											

ODOUR:
N - None
T - Trace
M - Moderate
S - Strong
VS - Very Strong

Prepared by: **G.C.Yule, C. Archibald**

Checked by: **S.Prior**

Date: **06/03/07**

DCS
DECOMMISSIONING CONSULTING SERVICES LIMITED

Project: **CITY of GUELPH** Contract No: **49520-1**

Boring date: **22/02/2007** Supervised by: **G.C.Yule, C. Archibald**

Borehole Location: **200 Beverley Street, Guelph**

Driller: **Profile Drilling Ltd. + Lantech Drilling**

Drilling Method: **Power Probe 9700 w/ Double Tube + CME 75 Power Auger**

Borehole: **OW07-32**

Monitoring Well: **Installed**

Sheet 1 of 1

Ground Surface Elevation: 315.56m

Scale (m)	Elev. (m) Depth (m)	Description	Symbol	Well Details	Water Level	Sample Type and Number	Conditon	Blows/ 150mm	% Recovery	RQD	Odour	Headspace TOV ⊕ (ppm) 100 200 300 400 / Headspace TOV □ (%LEL) 20 40 60 80	Remarks and Sample Analyses
		SAND and GRAVEL (FILL/REWORKED NATIVE) - black, damp, medium, some coal				SS-1			63		N		Inorganics, Metals, PAH, BTEX/F1, F2-F4, VOC's and PCB's Analyses
1	314.49 1.07	**SAND and LIMESTONE GRAVEL (NATIVE)** - brown, damp, medium, some silt				SS-2			100		N		VOC's, BTEX/F1, F2-F4 and PCB's Analyses
	313.91 1.65	**LIMESTONE (BEDROCK)**Grey, fine grain vesicular, some calcite banding, heavily fractured, shaley partings				Run1			100	9			
2													
		Highly Fractured 2.74m-3.0m, shaley partings, crystalline calcite mineralization											
3						Run2			100	26			
		Highly Fractured 3.48m-4.6m, shaley partings, white crystalline calcite fill											
4													
						Run3			100	40			
5		Highly Fractured 3.48m-4.6m, shaley partings, some calcite remineralization											
6	309.34 6.22	**END of BOREHOLE @6.22m**											
		Note: original sampling found infered bedrock (refusal) @ 1.5m											

ODOUR:
N - None
T - Trace
M - Moderate
S - Strong
VS- Very Strong

Prepared by: **G.C.Yule, C. Archibald**

Checked by: **S.Prior**

Date: **06/03/07**

DCS
DECOMMISSIONING CONSULTING SERVICES LIMITED

Project: **CITY of GUELPH** Contract No: **49520-1**

Boring date: **22/02/2007** Supervised by: **G.C.Yule, C. Archibald**

Borehole Location: **200 Beverley Street, Guelph**

Driller: **Profile Drilling Ltd. + Lantech Drilling**

Drilling Method: **Power Probe 9700 w/ Double Tube + CME 75 Power Auger**

Borehole: **OW07-33**

Monitoring Well: **Installed**

Sheet 1 of 1

Scale (m)	Elev. (m) Depth (m)	Description (Ground Surface Elevation: 315.36m)	Symbol	Well Details	Water Level	Sample Type and Number	Conditon	Blows/ 150mm	% Recovery	RQD	Odour	Headspace TOV ⊕ (ppm) 100 200 300 400 / Headspace TOV □ (%LEL) 20 40 60 80	Remarks and Sample Analyses
1		**SAND and LIMESTONE GRAVEL (FILL) -** brown, damp, medium to coarse				SS-1			64		N		Inorganics, Metals, VOC's, BTEX/F1, F2-F4 and PCB's Analyses
	313.73 1.63	**LIMESTONE (BEDROCK)-** Light grey/brown, fine grain crystalline, vesicular 0.5-5mm, mud/ silt/ organicmaterial at fractures				Run1			100	44			
2	312.92 2.44	Highly fractured 2.4-2.6m, silt and organic rich											
		MARLED LIMESTONE high mud content -dark grey/brown, fine grain crystalline, increased mud, content, shaley partings and trace residual sand at fractures, Pitted with large crystalline caclite lined vesicles 2-30mm											
3		Fractured from 3.1-3.3m, vertical to sub-vertical				Run2			100	46			
		Intermittent shaley partings 1-3mm and increased calcite lined vesicles 3.76m-4.22m											
4													
						Run3			100	64			
5		Shaley partings 1-3mm, crystalline calcite lined vesicles 1-5cm, 5.18-6.15m.											
6	309.21 6.15	**END OF BOREHOLE@6.15m** Note: original sampling found infered bedrock (refusal) @ 1.19m											

ODOUR:
N - None
T - Trace
M - Moderate
S - Strong
VS- Very Strong

Prepared by: **G.C.Yule, C. Archibald**

Checked by: **S.Prior**

Date: **06/03/07**

DCS
DECOMMISSIONING CONSULTING SERVICES LIMITED

Project: CITY of GUELPH Contract No: 49520-1

Boring date: 12/03/2007 Supervised by: C.W.Archibald

Borehole Location: 200 Beverley Street, Guelph

Driller: Lantech Drilling

Drilling Method: CME 75 Power Auger

Borehole: OWO7-34S

Monitoring Well: Installed

Sheet 1 of 1

Scale (m)	Elev. (m) Depth (m)	Description	Symbol	Well Details	Water Level	Sample Type and Number	Condition	Blows/ 150mm	% Recovery	RQD	Odour	Headspace TOV ⊕ (ppm) 100 200 300 400 / Headspace TOV □ (%LEL) 20 40 60 80	Remarks and Sample Analyses
		Ground Surface Elevation: 315.50m											
1		**SAND and LIMESTONE GRAVEL (FILL/ REWORKED NATIVE)** - brown, damp, fine to medium											
	313.93 1.57	**LIMESTONE (BEDROCK)** -Lt. Grey-Brn., fine grain crystalline vesicular1-5mm, some calcite nodules1mm-10cm, residual carbonate sands, shaley partings, black organic shale at fractures, highly fractured 1.68-4.0m				Run1			100	0			
2													
3						Run2			100	18			
4		Minor red-Brn Iron staining											
	310.90 4.60	**END OF BOREHOLE@ 4.6m**											

ODOUR:
N - None
T - Trace
M - Moderate
S - Strong
VS- Very Strong

Prepared by: C.W.Archibald

Checked by:

Date: 06/03/07

DCS
DECOMMISSIONING CONSULTING SERVICES LIMITED

Project: **CITY of GUELPH** Contract No: **49520-1**

Boring date: **22/02/2007** Supervised by: **G.C.Yule, C. Archibald**

Borehole Location: **200 Beverley Street, Guelph**

Driller: **Profile Drilling Ltd. + Lantech Drilling**

Drilling Method: **Power Probe 9700 w/ Double Tube + CME 75 Power Auger**

Borehole: **OW07-34D**

Monitoring Well: **Installed**

Sheet 1 of 2

Scale (m)	Elev. (m) Depth (m)	Description (Ground Surface Elevation: 315.62m)	Symbol	Well Details	Water Level	Sample Type and Number	Conditon	Blows/ 150mm	% Recovery	RQD	Odour	Headspace TOV ⊕ (ppm) 100 200 300 400 / Headspace TOV □ (%LEL) 20 40 60 80	Remarks and Sample Analyses
1		**SILTY SAND (FILL/REWORKED NATIVE)** - black, damp to moist, fine to medium, some gravel and coal				SS-1			50		N		Inorganics, Metals, PAH, VOC's, BTEX/F1, F2-F4, TOC and PCB's Analyses DUP #11 PCB's Analyses
	314.40 1.22	**SAND and LIMESTONE GRAVEL (NATIVE)** - brown, damp, fine to medium				SS-2			100		N		PCB's Analyses
	314.05 1.57	**LIMESTONE (BEDROCK)** Lt. Grey-Brn., fine grain crystalline, some calcite banding, heavily fractured, shaley partings				Run1			100	0			
2		Highly fractured, weathered, residual carbonate sands, crystalline calcite 1.57-3.05m											
3		Fractured, weathered, residual carbonate sands, 3.15-3.25m				Run2			100	25			
		Fractured, increased mud/organic content, shaley partings, crystalline calcite 3.35-3.66m											
4		Weathered residual carbonate sand 4.0-4.09m											
	311.05 4.57	**MARLED LIMESTONE high mud content** -dark grey/brown, fine grain crystalline, increased mud, content, shaley partings and trace residual sand at fractures, Pitted with large crystalline caclite lined vesicles 0.5-20mm				Run3			100	48			
5		Carbonate sand bed, 10cm thickness, black shale deposit at contacts											
6						Run4			100	73			

Continued

ODOUR:
N - None
T - Trace
M - Moderate
S - Strong
VS- Very Strong

Prepared by: **G.C.Yule, C. Archibald**

Checked by: **S.Prior**

Date: **06/03/07**

DCS
DECOMMISSIONING CONSULTING SERVICES LIMITED

Project: **CITY of GUELPH** Contract No: **49520-1**

Borehole: **OW07-34D**

Boring date: **22/02/2007** Supervised by: **G.C.Yule, C. Archibald**

Monitoring Well: **Installed**

Borehole Location: **200 Beverley Street, Guelph**

Driller: **Profile Drilling Ltd. + Lantech Drilling**

Drilling Method: **Power Probe 9700 w/ Double Tube + CME 75 Power Auger**

Sheet 2 of 2

Scale (m)	Elev. (m) Depth (m)	Description	Symbol	Well Details	Water Level	Sample Type and Number	Conditon	Blows/ 150mm	% Recovery	RQD	Odour	Headspace TOV ⊕ (ppm) 100 200 300 400 / Headspace TOV □ (%LEL) 20 40 60 80	Remarks and Sample Analyses
8		Highly weathered, Red-Brn. Iron staining, crystalline calcite to 3mm, residual carbonate sands 6.9-7.47m				Run5			98	44			
9	306.45 9.17	**END of BOREHOLE @ 9.17m** Note: original sampling found inferred bedrock (refusal) @ 1.27m											

ODOUR:
N - None
T - Trace
M - Moderate
S - Strong
VS- Very Strong

Prepared by: **G.C.Yule, C. Archibald**

Checked by: **S.Prior**

Date: **06/03/07**

DCS
DECOMMISSIONING CONSULTING SERVICES LIMITED

Project: **CITY of GUELPH** Contract No: **49520-1**

Boring date: **22/02/2007** Supervised by: **G.C.Yule, C. Archibald**

Borehole Location: **200 Beverley Street, Guelph**

Driller: **Profile Drilling Ltd. + Lantech Drilling**

Drilling Method: **Power Probe 9700 w/ Double Tube + CME 75 Power Auger**

Borehole: **OW07-35**

Monitoring Well: **Installed**

Sheet 1 of 1

Scale (m)	Elev. (m) Depth (m)	Description (Ground Surface Elevation: 315.47m)	Symbol	Well Details	Water Level	Sample Type and Number	Conditon	Blows/ 150mm	% Recovery	RQD	Odour	Headspace TOV ⊕ (ppm) 100 200 300 400 / Headspace TOV □ (%LEL) 20 40 60 80	Remarks and Sample Analyses
	315.37	**ASPHALT** - 100mm thick				SS-1			83		N		Inorganics and Metals Analyses
	0.10	**SAND and GRAVEL (FILL)** - brown, damp, medium to coarse, trace silt											
1													
	314.25												
	1.22	**SILTY SAND (NATIVE)** - dark brown, moist, trace coarse gravel, subangular, trace black staining				SS-2			63		N		Metals Analyses
2													
3													
4													
	310.90												
	4.57	**END of BOREHOLE @ 4.57m**											

Note: original sampling found refusal on inferred bedrock at 2.44m.
Broke 2 rods on sloping/fishered bedrock.

Note: augered to depth, no samples collected from 2.44m-4.57m

ODOUR:
N - None
T - Trace
M - Moderate
S - Strong
VS- Very Strong

Prepared by: **G.C.Yule, C. Archibald**

Checked by: **S.Prior**

Date: **06/03/07**

DCS
DECOMMISSIONING CONSULTING SERVICES LIMITED

Project: **CITY of GUELPH** Contract No: **49520-1**

Boring date: **12/03/2007** Supervised by: **C.W.Archibald**

Borehole Location: **200 Beverley Street, Guelph**

Driller: **Lantech Drilling**

Drilling Method: **CME 75 Power Auger**

Borehole: **OWO7-36S**

Monitoring Well: **Installed**

Sheet 1 of 1

Scale (m)	Elev. (m) Depth (m)	Description	Symbol	Well Details	Water Level	Sample Type and Number	Conditon	Blows/ 150mm	% Recovery	RQD	Odour	Headspace TOV ⊕ (ppm) 100 200 300 400 / Headspace TOV □ (%LEL) 20 40 60 80	Remarks and Sample Analyses
		Ground Surface Elevation: 316.54m											
1		**SILTY SAND (NATIVE)** - dark brown, moist, trace coarse gravel, subangular, trace black staining											
2													
3													
	313.19												
	3.35	**LIMESTONE (BEDROCK)**- Light grey/brown, fine grain crystalline, vesicular 0.5-3mm, highly fractured, mud/ silt/ organic material at fractures, trace iron staining				Run1			88	10			
4		Heavily Fractured, 3.84m-4.20m											
		Red brown Iron Staining at fracture, 4.27m											
		Heavily Fractured, 4.34m-4.49m											
	311.97	Vertical joint											
	4.57	**END OF BOREHOLE @ 4.57m**											

ODOUR:
N - None
T - Trace
M - Moderate
S - Strong
VS- Very Strong

Prepared by: **C.W.Archibald**

Checked by:

Date: **06/03/07**

DCS
DECOMMISSIONING CONSULTING SERVICES LIMITED

Project: **CITY of GUELPH** Contract No: **49520-1**

Boring date: **22/02/2007** Supervised by: **G.C.Yule, C. Archibald**

Borehole Location: **200 Beverley Street, Guelph**

Driller: **Profile Drilling Ltd. + Lantech Drilling**

Drilling Method: **Power Probe 9700 w/ Double Tube + CME 75 Power Auger**

Borehole: **OW07-36D**

Monitoring Well: **Installed**

Sheet 1 of 2

Scale (m)	Elev. (m) Depth (m)	Description (Ground Surface Elevation: 31.54m)	Symbol	Well Details	Water Level	Sample Type and Number	Conditon	Blows/ 150mm	% Recovery	RQD	Odour	Headspace TOV ⊕ (ppm) 100 200 300 400 / Headspace TOV □ (%LEL) 20 40 60 80	Remarks and Sample Analyses
	31.46	**ASPHALT** - 80mm thick				SS-1			67		N		Inorganics, Metals, VOC's, BTEX/F1 and F2-F4 Analyses
	0.08	**SAND and GRAVEL (FILL)** - dark brown, damp to moist, medium to coarse, some to trace silt, trace coal											
	30.93												
	0.61	**SILTY SAND (FILL/REWORKED NATIVE)** - brown, moist, fine to medium, trace gravel				SS-1A					N		Inorganics, Metals and F2-F4 Analyses
1	30.32												
	1.22	**SAND and LIMESTONE GRAVEL (NATIVE)** - dark brown, damp, medium to coarse, some silt				SS-2			95		N		
2													
3													
	27.88												
	3.66	**LIMESTONE (BEDROCK)**- Light grey/brown, fine grain crystalline, vesicular 0.5-3mm, highly fractured, mud/ silt/ organic material at fractures, trace iron staining				Run1			58	15			
4		Highly fractured 3.83-4.42											
		Visible Red-Brn. Iron staining											
		Highly fractured, residual weathered carbonate sands, 4.55-6.0m				Run2			97	34			
5	26.46												
	5.08	**MARLED LIMESTONE high mud content** -dark grey/brown, fine grain crystalline, increased mud, content, shaley partings, organic rich banding, residual carbonate sand beds 1-3cm, Pitted large crystalline caclite lined vesicles 1-4cm and amygdular calcite nodules											
6		Highly fractured 6.12-7.32				Run3			97	63			
		Weathered sand lense with black organics, 10cm thick											
		Weathered sand lense with black organics, 7cm thick											

Continued

ODOUR:
N - None
T - Trace
M - Moderate
S - Strong
VS - Very Strong

Prepared by: **G.C.Yule, C. Archibald**

Checked by: **S.Prior**

Date: **06/03/07**

DCS
DECOMMISSIONING CONSULTING SERVICES LIMITED

Project: CITY of GUELPH Contract No: 49520-1

Boring date: 22/02/2007 Supervised by: G.C.Yule, C. Archibald

Borehole Location: 200 Beverley Street, Guelph

Driller: Profile Drilling Ltd. + Lantech Drilling

Drilling Method: Power Probe 9700 w/ Double Tube + CME 75 Power Auger

Borehole: OW07-36D

Monitoring Well: Installed

Sheet 2 of 2

Scale (m)	Stratigraphy: Elev. (m) Depth (m)	Description	Symbol	Samples: Well Details	Water Level	Sample Type and Number	Condition	Blows/ 150mm	% Recovery	RQD	Odour	Headspace TOV ⊕ (ppm) 100 200 300 400 / Headspace TOV □ (%LEL) 20 40 60 80	Remarks and Sample Analyses
8						Run4			100	96			
9	22.42												
	9.12	**END of BOREHOLE @ 9.12m** Note: Original sampling found Refusal at 1.75 m on inferred bedrock, no samples taken from 1.75m-3.66m											

ODOUR:
N - None
T - Trace
M - Moderate
S - Strong
VS- Very Strong

Prepared by: G.C.Yule, C. Archibald

Checked by: S.Prior

Date: 06/03/07

DCS
DECOMMISSIONING CONSULTING SERVICES LIMITED

Project: **CITY of GUELPH** Contract No: **49520-1**

Boring date: **22/02/2007** Supervised by: **G.C.Yule, C. Archibald**

Borehole Location: **200 Beverley Street, Guelph**

Driller: **Profile Drilling Ltd. + Lantech Drilling**

Drilling Method: **Power Probe 9700 w/ Double Tube + CME 75 Power Auger**

Borehole: **OW07-37**

Monitoring Well: **Installed**

Sheet 1 of 1

Scale (m)	Elev. (m) Depth (m)	Description (Ground Surface Elevation: 316.52m)	Symbol	Well Details	Water Level	Sample Type and Number	Condition	Blows/ 150mm	% Recovery	RQD	Odour	Headspace TOV ⊕ (ppm) 100 200 300 400 / Headspace TOV □ (%LEL) 20 40 60 80	Remarks and Sample Analyses
		SAND and GRAVEL (FILL/REWORKED NATIVE) - black, damp, medium to coarse, some coal				SS-1			75		N	⊕	Metals, PAH, VOC's and F2-F4 Analyses
	315.91 0.61	**SAND (FILL/REWORKED NATIVE)** - brown, damp, medium, some gravel				SS-1A					N	⊕	Metals, PAH, VOC's and F2-F4 Analyses
1	315.30 1.22	**SILTY SAND and LIMESTONE GRAVEL (NATIVE)** - brown, damp, fine to medium				SS-2			100		N	⊕	
	314.95 1.57	**LIMESTONE (BEDROCK)**- Light grey/brown, fine grain crystalline, vesicular, calcite nodules 0.25- 2cm, highly fractured, mud/ silt/ organic material at fractures				Run1			77	0			
2		Heavily Fractured, 2.44m-2.74m											
3		Heavily Fractured, 3.15m-3.60m				Run2			100	23			
	312.92 3.60												
	312.86 3.66	**MARLED LIMESTONE high mud content** -dark grey/brown, fine grain crystalline, increased mud, content, calite mineralization,some shaley partings, trace residual sand at fractures, minor iron staining											
4						Run3			100	48			
5		Iron staining in vertical fracture											
6	310.37 6.15	Iron staining in vertical fracture **END of BOREHOLE @ 6.15m**											

ODOUR:
N - None
T - Trace
M - Moderate
S - Strong
VS- Very Strong

Prepared by: **G.C.Yule, C. Archibald**

Checked by: **S.Prior**

Date: **06/03/07**

DCS
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Borehole: **OW07-38**

Monitoring Well: **Installed**

Sheet 1 of 1

Scale (m)	Elev. (m) Depth (m)	Description (Ground Surface Elevation: 316.60m)	Symbol	Well Details	Water Level	Sample Type and Number	Conditon	Blows/ 150mm	% Recovery	RQD	Odour	Headspace TOV ⊕ (ppm) 100 200 300 400 / Headspace TOV □ (%LEL) 20 40 60 80	Remarks and Sample Analyses
1		**SAND and COAL (FILL/REWORKED NATIVE)** - black, damp, medium, trace gravel				SS-1			69		N		Metals,VOC's and F2-F4 Analyses
	315.38 1.22	**SILTY SAND (NATIVE)** - brown, damp, some limestone gravel				SS-2			100		N		VOC's Analyses
2	314.80 1.80	**LIMESTONE (BEDROCK)**Grey, fine grain vesicular, some calcite nodules/banding, heavily fractured, shaley partings and residual carbonate sands				Run1			90	24			
3													
						Run2			100	32			
4													
	311.76 4.84	Weathered sandstone band **END of BOREHOLE @ 4.84m**											

Note: original sampling found infered bedrock (refusal) @ 1.68m

ODOUR:
N - None
T - Trace
M - Moderate
S - Strong
VS- Very Strong

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Checked by: **S.Prior**

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