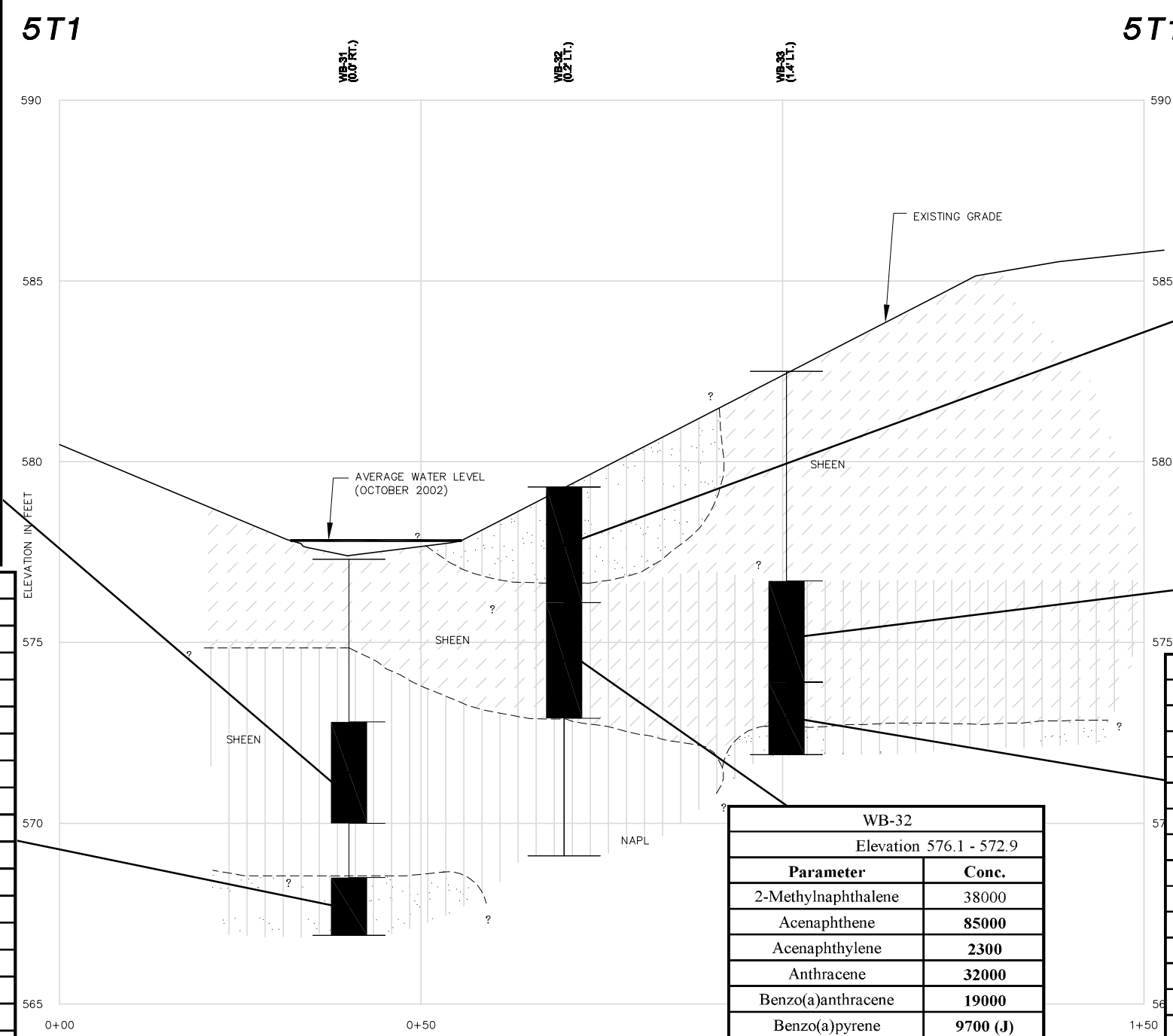
WB-31	
Elevation 572.8 - 570	
Parameter	**Conc.**
2-Methylnaphthalene	820 J(J)
Acenaphthene	**120000**
Acenaphthylene	**8600 (J)**
Anthracene	**41000**
Benzo(a)anthracene	**27000 (J)**
Benzo(a)pyrene	**23000**
Benzo(b)fluoranthene	11000 (J)
Benzo(ghi)perylene	9800 (J)
Benzo(k)fluoranthene	9000 (J)
Chrysene	**25000 (J)**
Dibenz(a,h)anthracene	**4000 (J)**
Fluoranthene	**59000**
Fluorene	**91000 (J)**
Indeno(1,2,3-cd)pyrene	7500 (J)
Naphthalene	**750 J(J)**
Phenanthrene	**180000**
Pyrene	**77000**
Total LPAHs	270000 J(J)
Total HPAHs	190000 (J)
Total PAHs	**460000 J(J)**

WB-31	
Elevation 568.5 - 566.9	
Parameter	**Conc.**
Acenaphthene	**120000**
Acenaphthylene	**5100**
Anthracene	**26000**
Benzo(a)anthracene	**23000 (J)**
Benzo(a)pyrene	**19000**
Benzo(b)fluoranthene	11000
Benzo(ghi)perylene	4200
Benzo(k)fluoranthene	6500
Chrysene	**24000**
Dibenz(a,h)anthracene	**2000**
Fluoranthene	**57000**
Fluorene	**17000**
Indeno(1,2,3-cd)pyrene	3700
Naphthalene	**770**
Phenanthrene	**160000**
Pyrene	**67000**
Total LPAHs	330000
Total HPAHs	220000 (J)
Total PAHs	**550000 (J)**



WB-32	
Elevation 579.3 - 576.1	
Parameter	**Conc.**
Acenaphthene	**810**
Anthracene	670
Benzo(a)anthracene	**2800**
Benzo(a)pyrene	**2900**
Benzo(b)fluoranthene	3500
Benzo(ghi)perylene	1400
Benzo(k)fluoranthene	2100
Chrysene	**3900**
Dibenz(a,h)anthracene	**620**
Fluoranthene	**5300**
Fluorene	460 J
Indeno(1,2,3-cd)pyrene	1300
Naphthalene	130 J
Phenanthrene	**3400**
Pyrene	**5800**
Total LPAHs	5500 J
Total HPAHs	30000
Total PAHs	**35000 J**

WB-33	
Elevation 576.7 - 573.9	
Parameter	**Conc.**
2-Methylnaphthalene	6100
Acenaphthene	**36000**
Anthracene	**15000**
Benzo(a)anthracene	**8000 (J)**
Benzo(a)pyrene	**6300 (J)**
Benzo(b)fluoranthene	3800 (J)
Benzo(ghi)perylene	1500 (J)
Benzo(k)fluoranthene	3500 (J)
Chrysene	**12000 (J)**
Dibenz(a,h)anthracene	**860 (J)**
Fluoranthene	**11000**
Fluorene	**12000**
Indeno(1,2,3-cd)pyrene	330 J(J)
Naphthalene	**2100**
Phenanthrene	**50000**
Pyrene	**28000**
Total LPAHs	120000
Total HPAHs	75000 J(J)
Total PAHs	**190000 J(J)**

WB-33	
Elevation 573.9 - 571.9	
Parameter	**Conc.**
2-Methylnaphthalene	27000 (J)
Acenaphthene	**58000 (J)**
Anthracene	**27000 (J)**
Benzo(a)anthracene	**17000 (J)**
Benzo(a)pyrene	**11000 (J)**
Benzo(b)fluoranthene	6000 (J)
Benzo(ghi)perylene	4400 (J)
Benzo(k)fluoranthene	7400 (J)
Chrysene	**22000 (J)**
Dibenz(a,h)anthracene	**2100 J(J)**
Fluoranthene	**22000 (J)**
Fluorene	**37000 (J)**
Indeno(1,2,3-cd)pyrene	3600 J(J)
Naphthalene	**5500 (J)**
Phenanthrene	**66000 (J)**
Pyrene	**18000**
Total LPAHs	190000 (J)
Total HPAHs	99000 J(J)
Total PAHs	**290000 J(J)**

WB-32	
Elevation 576.1 - 572.9	
Parameter	**Conc.**
2-Methylnaphthalene	38000
Acenaphthene	**85000**
Acenaphthylene	**2300**
Anthracene	**32000**
Benzo(a)anthracene	**19000**
Benzo(a)pyrene	**9700 (J)**
Benzo(b)fluoranthene	7900 (J)
Benzo(ghi)perylene	3500 (J)
Benzo(k)fluoranthene	6400 (J)
Chrysene	**27000**
Dibenz(a,h)anthracene	**2200 (J)**
Fluoranthene	**38000**
Fluorene	**41000**
Indeno(1,2,3-cd)pyrene	2800 (J)
Naphthalene	**8600**
Phenanthrene	**110000**
Pyrene	**8300 (J)**
Total LPAHs	280000
Total HPAHs	120000 (J)
Total PAHs	**400000 (J)**

LEGEND

- SILTY SANDS
- ORGANIC SILTS
- WELL-GRADED SANDS
- INORGANIC SILTS AND FINE SANDS
- POORLY GRADED GRAVELS
- INORGANIC CLAY
- SILTY GRAVELS
- HIGHLY ORGANIC SOILS

U = NON DETECTED
J = ESTIMATED
LT. = DISTANCE LEFT OF TRANSECT
RT. = DISTANCE LEFT OF TRANSECT
UNITS = µg/kg = ppb
CONC. = CONCENTRATION
NAPL = NON-AQUEOUS PHASE LIQUID
SAMPLE INCREMENT
NATIVE BOUNDARY
AVERAGE WATER LEVEL (OCTOBER 2002)

NOTES

1. ELEVATIONS ARE NGVD 29
2. VERTICAL EXAGGERATION = 5
3. CONCENTRATIONS INCLUDED IN TABLES ARE DETECTED VALUES ONLY, WITH THE EXCEPTION OF TOTALED VALUES. COMPLETE DATA TABLES ARE INCLUDED IN APPENDIX A.

5 0 5 10 15
SCALE IN FEET
HORIZONTAL SCALE

1 0 1 2 3
SCALE IN FEET
VERTICAL SCALE

WEST BRANCH OF THE GRAND CALUMET RIVER
FIGURE 4-13B
REACH 5 TRANSECT T1
PAH CONCENTRATIONS

FOSTER WHEELER ENVIRONMENTAL CORPORATION

DESIGNED: –
DRAWN: AEC
CHECKED: –
APPROVED
DATE: 8/1/03
SCALE: AS NOTED
DRAWING NO. MGCAXS05
- / -

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