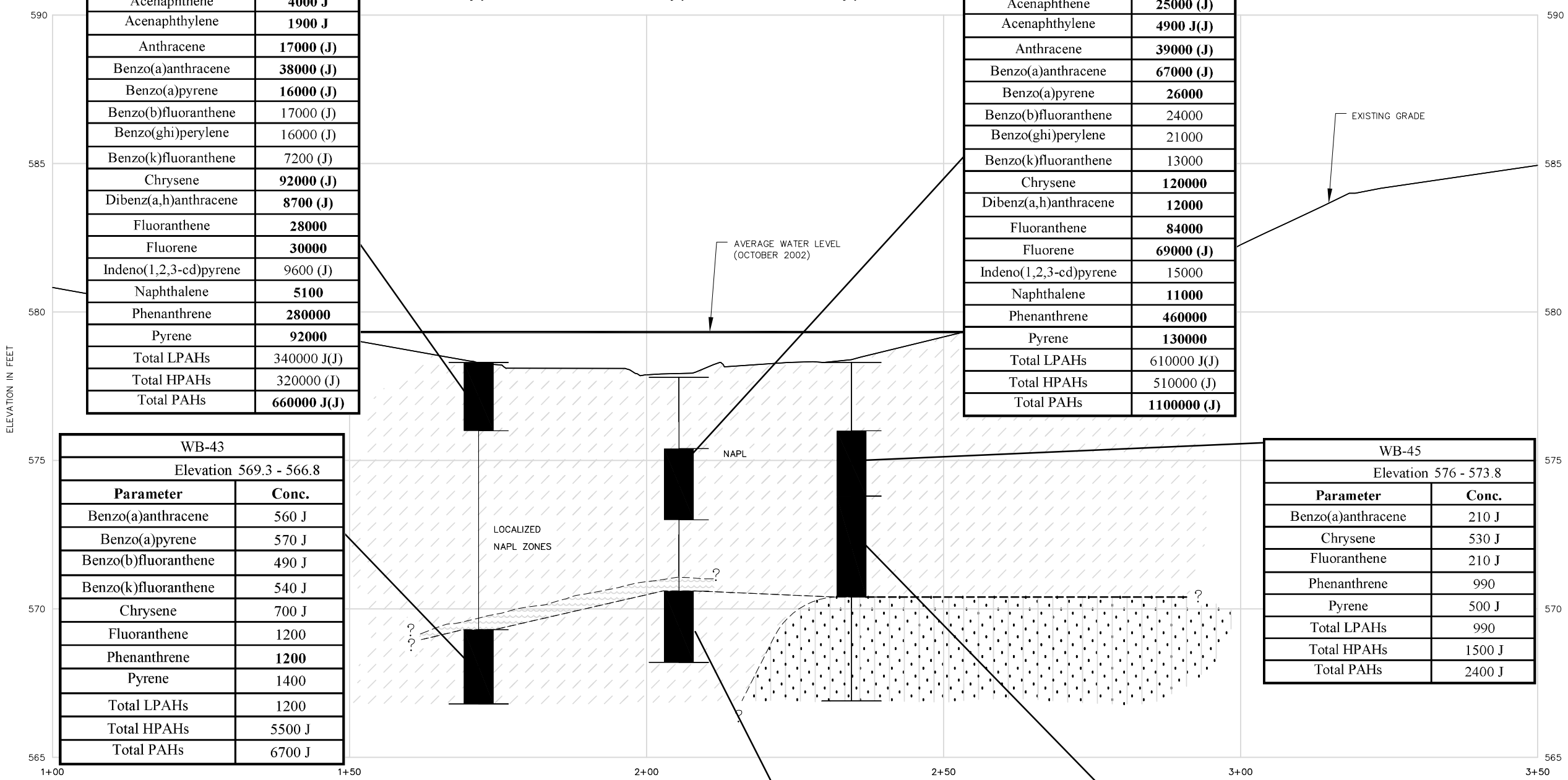


| WB-43 | |
|---|---|
| Elevation 578.3 - 576 | |
| **Parameter** | **Conc.** |
| 2-Methylnaphthalene | 21000 |
| Acenaphthene | **4000 J** |
| Acenaphthylene | **1900 J** |
| Anthracene | **17000 (J)** |
| Benzo(a)anthracene | **38000 (J)** |
| Benzo(a)pyrene | **16000 (J)** |
| Benzo(b)fluoranthene | 17000 (J) |
| Benzo(ghi)perylene | 16000 (J) |
| Benzo(k)fluoranthene | 7200 (J) |
| Chrysene | **92000 (J)** |
| Dibenz(a,h)anthracene | **8700 (J)** |
| Fluoranthene | **28000** |
| Fluorene | **30000** |
| Indeno(1,2,3-cd)pyrene | 9600 (J) |
| Naphthalene | **5100** |
| Phenanthrene | **280000** |
| Pyrene | **92000** |
| Total LPAHs | 340000 J(J) |
| Total HPAHs | 320000 (J) |
| Total PAHs | **660000 J(J)** |

| WB-44 | |
|---|---|
| Elevation 575.4 - 573 | |
| **Parameter** | **Conc.** |
| 2-Methylnaphthalene | 62000 |
| Acenaphthene | **25000 (J)** |
| Acenaphthylene | **4900 J(J)** |
| Anthracene | **39000 (J)** |
| Benzo(a)anthracene | **67000 (J)** |
| Benzo(a)pyrene | **26000** |
| Benzo(b)fluoranthene | 24000 |
| Benzo(ghi)perylene | 21000 |
| Benzo(k)fluoranthene | 13000 |
| Chrysene | **120000** |
| Dibenz(a,h)anthracene | **12000** |
| Fluoranthene | **84000** |
| Fluorene | **69000 (J)** |
| Indeno(1,2,3-cd)pyrene | 15000 |
| Naphthalene | **11000** |
| Phenanthrene | **460000** |
| Pyrene | **130000** |
| Total LPAHs | 610000 J(J) |
| Total HPAHs | 510000 (J) |
| Total PAHs | **1100000 (J)** |

| WB-43 | |
|---|---|
| Elevation 569.3 - 566.8 | |
| **Parameter** | **Conc.** |
| Benzo(a)anthracene | 560 J |
| Benzo(a)pyrene | 570 J |
| Benzo(b)fluoranthene | 490 J |
| Benzo(k)fluoranthene | 540 J |
| Chrysene | 700 J |
| Fluoranthene | 1200 |
| Phenanthrene | **1200** |
| Pyrene | 1400 |
| Total LPAHs | 1200 |
| Total HPAHs | 5500 J |
| Total PAHs | 6700 J |

| WB-45 | |
|---|---|
| Elevation 576 - 573.8 | |
| **Parameter** | **Conc.** |
| Benzo(a)anthracene | 210 J |
| Chrysene | 530 J |
| Fluoranthene | 210 J |
| Phenanthrene | 990 |
| Pyrene | 500 J |
| Total LPAHs | 990 |
| Total HPAHs | 1500 J |
| Total PAHs | 2400 J |

| WB-44 | |
|---|---|
| Elevation 570.6 - 568.2 | |
| **Parameter** | **Conc.** |
| Total LPAHs | 340 U |
| Total HPAHs | 520 U |
| Total PAHs | 520 U |

| WB-45 | |
|---|---|
| Elevation 573.8 - 570.4 | |
| **Parameter** | **Conc.** |
| Total LPAHs | 150 U |
| Total HPAHs | 240 U |
| Total PAHs | 240 U |

5 0 5 10 15
SCALE IN FEET
HORIZONTAL SCALE

1 0 1 2 3
SCALE IN FEET
VERTICAL SCALE

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)

## LEGEND

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

## 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.

**WEST BRANCH OF THE GRAND CALUMET RIVER**
**FIGURE 4-1B**
**REACH 1 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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