

TABLE 5

**STATISTICAL RESULTS FOR COMPARISONS OF
PRE-REMEDIAION VS. POST-REMEDIAION FISH PCB CONCENTRATIONS**

| Sampling Location (Miles Downstream) | Fish Type (Whole Fish) | Sampling Event: | May 1998 | | August 2001 and November 2002 | | Type of Statistical Analysis | p-Value ^b | Statistically Significant Trend? |
|---|---------------------------|-------------------------------|----------------|---------------------------------|-------------------------------|---------------------------------|------------------------------|----------------------|----------------------------------|
| | | Type of PCB Data ^a | Number of Fish | Average PCB Concentration (ppm) | Number of Fish | Average PCB Concentration (ppm) | | | |
| Conard's Branch (0.5) | Creek Chub | Aroclor (original 4-peak) | 7 | 14.1 | 12 | 5.2 | t-test | 0.0258 | Yes (decreasing) |
| Conard's Branch (0.5) | Creek Chub | Aroclor (revised 5-peak) | 7 | 14.1 | 12 | 4.6 | t-test | 0.0194 | Yes (decreasing) |
| | | Sampling Event: | May 1998 | | November 2002 | | | | |
| Sampling Location (Miles Downstream) | Fish Type (Whole Fish) | Type of PCB Data ^a | Number of Fish | Average PCB Concentration (ppm) | Number of Fish | Average PCB Concentration (ppm) | Type of Statistical Analysis | p-Value ^b | Statistically Significant Trend? |
| Richland Creek (1.0) | Creek Chub | Aroclor (original 4-peak) | 4 | 0.43 | 6 | 0.33 | t-test | 0.4777 | No |
| Richland Creek (1.0) | Creek Chub | Aroclor (revised 5-peak) | 4 | 0.43 | 6 | 0.26 | t-test | 0.1709 | No |

Notes:

PCB Polychlorinated biphenyl
ppm Part per million

^b Two sets of results were reported for November 2002 (original 4-peak and revised 5-peak results); see Section 4.1 for a more complete discussion

^c p-Values of 0.05 or less are considered statistically significant