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NATIONAL PERSPECTIVE  
ON  
SEDIMENT QUALITY



REGIONAL AREAS

NATIONAL PERSPECTIVE ON  
SEDIMENT QUALITY

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## 1.0 OVERVIEW OF SEDIMENT CRITERIA DEVELOPMENT

### 1.1 INTRODUCTION

The purpose of this document is to provide an overview of the quality of freshwater and marine/estuarine sediments on a national basis and to provide assistance in focusing sediment criteria development efforts. It was originally developed for use by participants in an EPA-sponsored Sediment Criteria Development Workshop held on November 28-30, 1984. The primary sources of data for this overview were the EPA Storage and Retrieval (STORET) system computer file, the open literature and reports of limited availability produced by state and federal agencies.

### 1.2 RESPONSIBILITY OF THE CRITERIA AND STANDARDS DIVISION TO DEVELOP CRITERIA IN SUPPORT OF THE CLEAN WATER ACT (CWA)

The Criteria and Standards Division (CSD) of the Environmental Protection Agency (EPA) develops and revises criteria, regulations, standards and guidelines in support of the mandates of the CWA. The CSD has published water quality criteria for 65 priority pollutants and pollutant categories. These criteria are based on an assessment of water column pollutant concentration which, if not exceeded, will protect designated uses of a water body and 95 percent of the aquatic life from adverse effect. The EPA recognizes, however that, while ambient water quality criteria are an important component in assuring the health of an aquatic environment, contaminated sediments may be responsible for significant adverse effects on certain aquatic organisms in the presence of acceptable ambient water quality criteria.

EPA has authority<sup>1</sup> to pursue the development of sediment criteria in streams, lakes, and other "waters of the United States" under sections 104 and 304(a)(1) and (2) of the CWA as follows:

- (1) Section 104 authorizes the Administrator to establish national programs for the prevention, reduction and elimination of pollution by conducting and promoting "the coordination and acceleration of

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<sup>1</sup>EPA Memorandum, Catherine A. Winer to David K. Sabock, October 25, 1984.

research, investigations, experiments, training, demonstrations, surveys, and studies relating to the causes, effects, and extent, prevention, reduction, and elimination of pollution" and by publishing relevant information. Section 104(n)(1) specifically provides for the study of the effects of pollution, including sedimentation, in estuaries on aquatic life.

- (2) Section 304(a)(1) directs the Administrator to develop and publish criteria for water quality accurately reflecting the latest scientific knowledge "on the kind and extent of all identifiable effects on health and welfare including, but not limited to, plankton, fish, shellfish, wildlife, plant life, shorelines, beaches, aesthetics, and recreation which may be expected from the presence of pollutants in any body of water, including groundwater ...on the concentration and dispersal of pollutants, or their byproducts ...on the effects of pollutants on biological community diversity, productivity and stability, including information of the factors affecting ...rates of organic and inorganic sedimentation for varying types of receiving waters."
- (3) Section 304(a)(2) directs the Administrator to develop and publish information on, among other things, "the factors necessary for the protection and propagation of shellfish, fish, and wildlife for classes and categories of receiving waters ..."

The Office of the General Counsel (OGC) sees no difficulty in interpreting the phrase "pollutants in any body of water" to include pollutants in the substrate bed of those waters, where the pollutants may affect aquatic life. OGC recognizes a regulatory role in developing sediment criteria where the Administrator finds that including sediment criteria is necessary to meet the requirements of the Act to protect designated water uses. The office contends, furthermore, that "to the extent that sediment criteria could be developed which addressed the concerns of the section 404(b)(1) Guidelines (for discharge of dredged or fill material under the Clean Water Act) or ocean dumping criteria (under the Marine Protection, Research, and Sanctuaries Act), they would also be incorporated into those regulations."

### 1.3 STATUS OF SEDIMENT CRITERIA DEVELOPMENT

Sediment criteria development has evolved under the auspices of several institutions and regulatory agencies. The following section provides a summary of those approaches which are under consideration by regulatory agencies or

otherwise appear promising avenues to lead to formulation of defensible criteria. Other approaches not specifically enumerated in this document were introduced independently by workshop participants and received equal consideration during the course of the workshop. A summary document of the workshop proceedings has been prepared for the EPA (Battelle, Columbus Laboratories, 1985). More detailed discussions of the following approaches can be obtained from the "Background and Review Document on the Development of Sediment Criteria," (JRB Associates, 1984a) distributed to workshop participants on November 2, 1984.

#### 1.3.1 Background Approach

The Background Approach establishes criteria on a relative basis. Concentration of a chemical in sediments of a particular site is compared to concentrations of the same chemical from reference sites where levels of the chemical of concern in the sediments are deemed to be acceptable. In determining suitable reference areas, consideration of assimilative capacity based on toxicological data is implied. The difficulties inherent in developing a technically and legally defensible method of selecting a "suitable" reference area or determining an "acceptable" level place limitations on the use of this approach. A modification of this approach has been applied to a dredge site designation in EPA Region X.

#### 1.3.2 Water Quality Criteria Approach

The Water Quality Criteria Approach has been developed by EPA Region VI. The approach relies upon existing Water Quality Criteria data to assess acceptable levels of various chemicals in interstitial waters. Toxicological data used to establish the Water Quality Criteria, it should be noted, were derived from sediment-free bioassays primarily with nektonic organisms. The assumption, then, is made at the onset, that ingestion of or direct contact with sediment does not increase the body burden of chemicals in benthic

organisms above those obtainable strictly by absorption from surrounding waters. The methods for obtaining and analyzing interstitial water are still under development.

#### 1.3.3 Sediment-Water Equilibrium Partitioning Approach

The Sediment-Water Equilibrium Partitioning Approach also relies upon the toxicological data available from established Water Quality Criteria. The approach is based on the assumption that the distribution of various chemicals among different compartments in the sediment is controlled by a continuous exchange among sediment, infauna, interstitial and overlying waters. The constants relating these concentrations at equilibrium are referred to as partition coefficients. Compound-specific partition coefficients are determined and used to predict the distribution of the compound between sediment and interstitial water. Because of the influence of organic carbon in the sediment on the distribution of many chemicals among phases, partition coefficients often are expressed in terms of organic carbon content of the sediment. Uncertainties about the effects of site-specific variations in physical/chemical factors on trace metal and organic chemical distributions among phases complicate quantification of these chemical distributions for use in defensible sediment criteria.

#### 1.3.4 Sediment-Biota Equilibrium Partitioning Approach

Sediment quality criteria developed by the Sediment-Biota Equilibrium Partitioning approach establish a concentration of a chemical in the sediment below which benthic organisms would be unable to attain body burden of the chemical in excess of a permissible limit. Extensive body burden-effect data are necessary to establish permissible limits and both water-biota and biota-sediment partitioning processes must be quantified. The EPA/ERL Narragansett and the Corps of Engineers have advocated this approach for the assessment of hydrophobic or neutral organic compounds. The Food and Drug Administration has set action level limits for several pollutant chemicals in the edible tissues of commercial fisheries species.

### 1.3.5 Bioassay Approach

The Bioassay Approach establishes criteria based on dose-response relationships developed by exposing organisms to sediments containing known concentrations of chemicals and measuring biological parameters including mortality, sublethal effects and bioconcentration. This approach has the capacity to assess overall sources and rates of chemical uptake by organisms and has been used as a component of the assessment process for both coastal dredge and fill permits, ocean dumping permits, and for National Pollution Discharge Elimination System (NPDES) permits for offshore oil and gas drilling discharges.

## 1.4 GENERAL OVERVIEW APPROACH

This survey is, by the necessities of time and resource limitations, not intended as an exhaustive review of existing data sets. However, the text does provide an overview of the national sediment quality status and does highlight, to some extent, the weaknesses and strengths of the data and criteria used to characterize the quality of sediments. Both this document and the workshop summary document identify the need for and direction of a more extensive literature review.

Due to the differences in data quality and data availability for sediments in both freshwater and marine/estuarine sites, information has been presented in formats that best fit each data set. The STORET system provided extensive freshwater sediment chemistry data but little correlating data on biological effects. The marine data were less readily abundant and chiefly resulted from an arduous search of the available literature rather than of computer files. This latter search supplied more perspective on biota/sediment interactions and effects.

To standardize the inventory of the literature/computer searches, a tentative chemical concentration ranking system was established. Where available, numerical criteria specified by EPA or other federal entities were

used to establish a threshold level of the chemical in sediment. In the absence of established sediment quality criteria, preliminary threshold concentrations were used to assess the data. The derivation, shortcomings, and advantages of the use of these preliminary threshold concentrations are discussed in appropriate sections of this document, summarized in one section. Numerical ranges which represent multiples of the appropriate threshold concentration were arbitrarily designated as follows:

- Level 1--sediment concentrations less than the threshold value
- Level 2--1 to 3 times the threshold value
- Level 3--3 to 10 times the threshold value
- Level 4--greater than 10 times the threshold value.

## 2.0 INVENTORY SCOPE AND METHODOLOGY

The purpose of this effort was to compile a national inventory of both marine and freshwater data that indicate the concentration of various chemicals in the sediment. A total of 48 chemical contaminants were initially identified by the EPA Office of Water Regulations and Standards (OWRS) and Battelle. These 48 chemicals represented seven categories of major pollutant chemical classes. Existing data sources were then evaluated and used to provide a broad-based geographic perspective on the level of these chemicals in sediments throughout the United States.

### 2.1 CONTAMINANT CATEGORIZATION AND DERIVATION OF THRESHOLD VALUES

The chemicals shown in Table 2.1 represent a diverse group of naturally occurring and anthropogenic materials indicative of compounds that have been of increasing environmental concern. This listing is not intended to be exhaustive, but rather is illustrative of the types of chemical data available for sediments. The percent distribution of the seven contaminant categories is summarized in Figure 2.1.

The seven chemical categories identified in this document are:

- polynuclear aromatic hydrocarbons
- pesticides
- chlorinated hydrocarbons
- mononuclear aromatic hydrocarbons
- phthalate esters
- metals
- miscellaneous

Table 2.1 also lists the threshold concentrations used to judge differences in the levels of various chemicals in sediments. The majority of these values was calculated using the methodology of the Sediment-Water

TABLE 2.1. TOXICANTS CONSIDERED/THRESHOLD CONTAMINATION CONCENTRATIONS(a)  
(DENOTED ON A DRY WEIGHT BASIS)

| (I) Polynuclear Aromatic Hydrocarbons (PAH) |              |
|---------------------------------------------|--------------|
|                                             | <u>mg/kg</u> |
| benzo(a)pyrene                              | 1800         |
| naphthalene                                 | 42           |
| phenanthrene                                | 56           |
| chrysene                                    | 460          |
| pyrene                                      | 198          |
| fluorene                                    | 28           |
| acenaphthene                                | 66           |
| anthracene                                  | 44           |
| benzo(a)anthracene                          | 220          |
| acenaphthalene                              | 24           |
| indeno(1,2,3-CD)pyrene                      | 24,000       |
| benzo(k)fluoranthene                        | 5,000        |
| (II) Pesticides                             |              |
|                                             | <u>mg/kg</u> |
| lindane                                     | 0.012        |
| DDD                                         | 13           |
| DDE                                         | 28           |
| aldrin                                      | 0.021        |
| isophorone                                  | 9.6          |
| DDT                                         | 0.006        |
| chlordane(b)                                | 0.020        |
| toxaphene(b)                                | 0.020        |
| heptachlor(b)                               | 0.020        |

---

(III) Chlorinated Hydrocarbons (Except Pesticides)

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|                     | <u>mg/kg</u> |
|---------------------|--------------|
| hexachloroethane    | 14.4         |
| hexachlorobutadiene | 1.28         |
| tetrachloroethylene | 1.8          |
| trichloroethylene   | 6.4          |
| dichlorobenzene     | 2.8          |
| methyl chloride     | 1.92         |
| methylene chloride  | 2            |
| PCBs(c)             | 0.28         |

---

(IV) Monoaromatic Hydrocarbons

---

|                | <u>mg/kg</u> |
|----------------|--------------|
| toluene        | 10           |
| benzene        | 1.36         |
| ethylbenzene   | 5.6          |
| nitrobenzene   | 6.6          |
| dinitrotoluene | 0.88         |

---

(V) Phthalates

---

|                       | <u>mg/kg</u> |
|-----------------------|--------------|
| butylbenzyl phthalate | 220          |
| di-N-butylphthalate   | 2,000        |
| diethylphthalate      | 1.28         |
| dimethylphthalate     | 1.96         |

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---

(VI) Metals

---

|             | <u>mg/kg</u> |
|-------------|--------------|
| arsenic     | 33           |
| cadmium     | 31           |
| copper      | 136          |
| lead        | 132          |
| mercury(d)  | 0.8          |
| zinc        | 760          |
| chromium(e) | 25           |
| nickel(e)   | 20           |

---

(VII) Miscellaneous

---

|            | <u>mg/kg</u> |
|------------|--------------|
| cyanide(d) | 0.1          |

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- (a) Threshold concentrations are those determined by EPA/OWRS unless otherwise stated; criteria for organic contaminants are calculated on the basis of 4 percent organic carbon content of sediment.
- (b) U.S. Geological Survey, sediment alert levels.
- (c) Based on criterion for hexachlorobiphenyl.
- (d) The value of 0.8 was not corrected for organic carbon. Correction of this value would have resulted in a mercury concentration of 0.03, which is considerably lower than the concentration of this metal in most sediments.
- (e) EPA Region V guidelines for designating contaminated versus non-contaminated sediments.

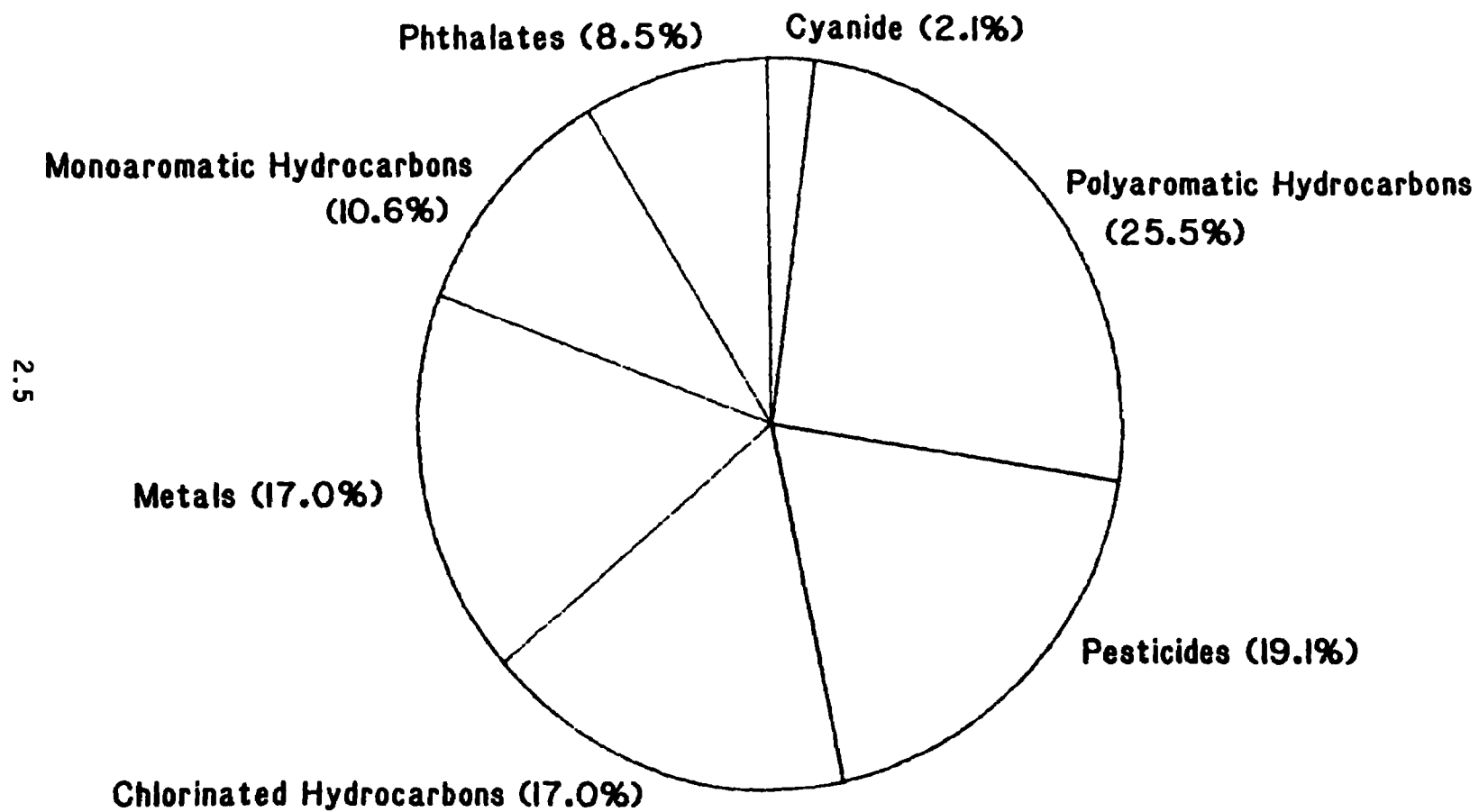


FIGURE 2.1. PERCENTAGE DISTRIBUTION OF INDIVIDUAL CHEMICALS AMONG CHEMICAL CATEGORIES

Equilibrium Partitioning Approach (Section 1.3.3 of this report) discussed in "Background and Review Document on the Development of Sediment Criteria" (JRB Associates, 1984a) and/or they were derived from the EPA document "Development and testing of the sediment-water equilibrium partitioning approach," (JRB Associates, 1984b). It is not the purpose of this overview to judge the adequacy of this approach for setting target concentrations vis-a-vis other alternatives but rather to assume that the values are useful and to apply them to the assessment of the ambient chemical measurements as described in Section 2.2.1.

In this approach, the assumption is made that the distribution of a chemical between the organic carbon phase of the sediment and the soluble phase in interstitial water in equilibrium with the solid phase is described by the organic carbon-water partition coefficient ( $K_{OC}$ ) for the chemical. If the water quality criterion value for the chemical is taken to be the maximum acceptable concentration of the chemical in solution in the interstitial water, then the threshold concentration of the chemical in the bulk sediment is calculated based on the sediment organic carbon-normalized  $K_{OC}$  for the chemical.

The methodology for derivation of criteria using this approach is presented in the aforementioned document and was discussed during the workshop. The advantages and disadvantages of this methodology are listed below to permit the reader to form specific judgments regarding relevancy to biological thresholds.

### Advantages

- The large toxicological data base incorporated in the EPA water quality criteria is directly utilized for sediment quality criteria. Sediment quality criteria can be readily developed for those compounds for which EPA water quality criteria are available and for those compounds which are assigned water quality criteria in the future.
- "First-cut" criteria are available that can then be verified by future field and laboratory studies.

## Disadvantages

- No sediment criteria can be established for those compounds for which EPA water quality criteria have not been developed.
- The approach does not account for any increase in contaminant burden which may result from ingestion of or direct body contact with contaminated sediments above that which is attained simply by absorption from the interstitial/overlying water.
- The assumption of contaminant equilibrium between sediment and interstitial water, inherent in the approach, may not always hold in natural systems (Prahl and Carpenter, 1983).
- Criteria developed for trace metals have a very high associated uncertainty, making their regulatory application difficult.
- The method does not consider the effect of interstitial water dissolved organic carbon on partitioning and bioavailability of highly hydrophobic chemicals.

This approach does, however, allow a numerical "threshold" to be established against which available monitoring data can be compared. The non-judgmental use of this approach allows the distribution of the data set into percentiles "above" and "below" the threshold even though one might question the significance of the results relative to the observed integrity or lack of integrity of biological communities.

Threshold values derived from the sediment-water partitioning approach are based on the organic carbon content of the particular sediment. These values were adjusted to a whole sediment basis on the assumption that an average sediment contains 4 percent total organic carbon. Furthermore, the values are compared to the monitoring data on a dry weight equivalent basis. For several chemicals, where both acute and chronic water quality criterion values are available, the chronic values were selected for this exercise. The chemicals for which chronic values have been used are noted in the text.

The 4 percent value for average TOC is high for many freshwater and certainly most marine/estuarine sediments. A more typical value may be in the 1-2 percent range. If 2 percent TOC had been chosen for calculation of TOC-normalized sediment threshold concentrations for chemicals, the values in

Table 2.1 would have been half those listed. More sites would have been identified with sediment chemical concentrations above the threshold values.

However, a greater source of uncertainty in generating sediment threshold values using this method is the wide variation in published  $K_{OC}$  values for each chemical.  $K_{OC}$  values calculated for the same chemical by different investigators and/or under different physical/chemical parameter regimes may differ by several orders of magnitude. For instance, the threshold value for zinc originally was calculated as  $19,000 \pm 38,000$  mg/kg, based on the uncertainty of the  $K_{OC}$  value for zinc. Because, TOC-based sediment normalization theory has been more completely validated for non-polar organic compounds than for heavy metals and polar organics, threshold values for non-polar organics (chemical classes I-V in Table 2.1) probably are more reliable than those for metals and cyanide.

Threshold values for six of the chemicals were not available from EPA sediment criterion developmental documents. Values for three pesticides, chlordane, toxaphene and heptachlor, were obtained from alert levels established by the U.S. Geological Survey. The establishment of the values of 0.02 mg/kg for these constituents was based on a decision to examine in greater detail 15-20 percent of the samples analyzed from heavily contaminated areas (JRB Associates, 1984b). No toxicological implications were intended.

Freshwater threshold values for two metals, chromium and nickel, and for cyanide were obtained from guidelines developed by EPA Region V. As in the case of the Geological Survey alert levels, these concentrations were intended for the classification of polluted sediments and are of limited applicability. Additional test data are required in order to judge the significance of the observed sediment contamination levels.

## 2.2 METHODS FOR DATA ACCESSION AND PRESENTATION

The methods used to evaluate the level of various chemicals in sediments of freshwaters, marine waters and estuaries was consistent to the extent

that the data search included the same chemicals and selected threshold values. The exception to this was chromium for which only marine data were available.

To compare the monitoring data, the concentrations were divided for convenience into four subranges--designated as "Level 1" (less than the threshold value), "Level 2" (1-3 times the threshold value), "Level 3" (3-10 times the threshold value), and "Level 4" (greater than 10 times the threshold value).

Additional information was compiled, where available, to place this information in perspective. Because of the differences in the amount of data available and the capability to computer process only part of the data base, the detailed methodologies for processing and interpreting the freshwater and marine/estuarine data are described in separate sections.

#### 2.2.1 Freshwater Data Base

A very large data base was available for evaluation of contamination of sediments in streams, rivers, lakes and reservoirs. The EPA Storage and Retrieval (STORET) System was the primary source of data for this effort. Of the group of 48 chemicals identified initially, data on 22 were obtained from the STORET system and over 255,000 data records were processed. No attempt was made to judge the quality of these data or the accuracy and precision of the analytical techniques used to obtain them. Additional descriptive information on the site-specific biological implications of some parameters was obtained from appropriate journals and reports.

##### 2.2.1.1 STORET Chemical Data

To gain some appreciation of the distributions of sediment chemical concentration data and to allow comparison of the various classification levels of the measured ambient concentrations, a graphical plot of the decimal

log of concentration versus cumulative frequency was prepared for each chemical. For plotting purposes, data points recorded as zero in the data base were assumed to represent values below the detection limit of the analytical technique. The percentage of such values was determined for each chemical in order to judge the proximity of the threshold concentration to the analytical limits.

As described previously, the concentration range above the Level 1 value was subdivided into several subranges. The statistical implications of setting a criterion at any of these points were compared against the national STORET data base. Most of the cumulative frequency plots contain between 5,000 and 20,000 data points for each chemical so the plots are described by smooth curves.

To provide additional perspective on the distribution of various chemicals in the nation's freshwater sediments, the median, 90th and 95th percentile concentrations were identified on the cumulative frequency plots. The threshold concentration values can be readily compared to these percentile points. A comparison of the data was also made against other proposed sediment quality criteria. This comparison permits observations to be made about the regulatory consequences of setting other threshold levels.

While the cumulative frequency plots provide a perspective of the percentage of sample sites that exceed the threshold, these plots give no indication of geographic distribution. National and regional maps have been prepared to illustrate these distributions.

The geographic distribution of sites with elevated concentrations of specific chemicals in sediments was evaluated by arranging the 200 highest concentration measurements for each chemical from highest to lowest. In cases where more than one analysis had been performed at a single site (as determined from identical station numbers), the arithmetic mean concentration was tabulated. When adjacent stations were reported that differed in location by only a few seconds of latitude or longitude, these data were judged to

represent the same site area. For a given site area, only the highest mean concentration was used for the maps. Tabular summaries show all of the individual sites comprising an area and are contained in the Appendix (Tables A-1 to A-22).

The mapped data are shown at two scales--national and regional. National maps for each of three groups of chemicals were developed to provide an overview of the distribution of high concentration sites around the country. This scale map is also useful to examine areas having potential problems because of the occurrence of multiple chemicals. The national maps were further subdivided into regional maps on the basis of EPA Regions (Figure 2.2). The larger scale of these maps allows viewing the data for specific sites at greater resolution. The data symbols were placed on the maps at approximately the correct locations using longitude and latitude coordinates. Where multiple chemicals are present at the same place, the symbols were displaced slightly to improve the readability of the map.

#### 2.2.1.2 Ancillary Chemical and Biological Data

To aid in the interpretation of the large amount of STORET data, the open literature was examined for general and site specific investigations of correlations between sediment pollutant burden and benthic community structure. The large number of parameters, the lack of case study data for many sites and chemicals, and the constraints of time precluded this activity from being much more than illustrative of the scope of the potential problem. This information is discussed after the presentation of the STORET data for metals, PCBs, and PAHs. No correlative data were found for the other chemicals.

#### 2.2.2 Marine/Estuarine Data Base

Concentrations of various chemicals in marine and estuarine sediments were obtained from the published literature and from some literature with limited distributions. An additional set of unreferenced data points was derived from the STORET data file. All sediment concentration data were



**FIGURE 2.2. DIVISION OF NATIONAL MAP  
INTO REGIONAL AREAS**

entered on an IBM personal computer, and the data set was sorted to facilitate data presentation. While the data base presented in this report is not complete or even exhaustive, it does present a preliminary national perspective of the sediment quality status of marine and estuarine sites. Marine/estuarine data were placed on the national and regional maps in the same manner as the fresh water data.

#### 2.2.2.1 STORET Chemical Data

Marine/estuarine STORET data were limited to median concentrations of various chemicals. No ranges of concentration were given and the data base was insufficient to manipulate data in the manner described for the freshwater data sets.

#### 2.2.2.2 Data Identification

Due to time constraints, the literature search was limited to readily available journal articles and publications in the open literature, and included numerous reports from state and federal agencies.

Many additional data bases and sources of information were identified but were not included in this report due to the lead time necessary to access files. Notable among these data bases are: the Ocean Pollution Data and Information Data Network (OPDIN), and the National Oceanographic Data Center (NODC) Marine Toxic Substances and Pollutants Data File. Both systems were established by the National Oceanic and Atmospheric Administration (NOAA) to improve dissemination of data and information resulting from ocean pollution programs conducted or sponsored by the U.S. federal government. NODC provides a substantial quantity of data on toxic substances and pollutants in the marine environment. These data sets are generally limited to a few specific sites, i.e., Puget Sound, Gulf of Mexico, the New York Bight region, and Alaska. Both systems have automated data retrieval systems. Another important source of data for a more detailed review is an extensive computerized inventory of long-term monitoring programs prepared by Battelle for NOAA's Ocean

Assessments Division. This inventory includes marine pollution monitoring programs conducted by private organizations, state, and federal agencies for durations of at least two years. The inventory contains names and addresses, including phone numbers, of cognizant individuals, who may be approached with a request to submit published or unpublished reports which otherwise might be unavailable or difficult to obtain.

### 3.0 RESULTS AND DISCUSSION--FRESHWATER

The following sections are organized according to the chemical groups identified in Table 2.1. Plots of cumulative frequency versus concentration in sediments are presented for each chemical. Threshold, 3X and 10X threshold concentrations as well as 50, 90, and 95 percent frequency concentrations are included in each graph. To further aid in the comparison of chemicals to their respective threshold values, a summary table is provided within each section. Because the threshold values obtained via the sediment water partitioning approach (JRB Associates, 1984a) are tentative, alternative criteria are also shown and compared to the data. Additional comparative commentary is included to place these values in perspective, but the extent of this information is limited due to the nature of this study.

As described in Section 2, organic carbon based threshold values were determined for each of the chemical contaminants via the sediment-water partition coefficient approach outlined in the document, "Background and Review Document on the Development of Sediment Criteria," and then converted to a whole sediment basis on the assumption of a typical organic-carbon level of 4 percent.

#### 3.1 METALS

STORET data for metal concentrations in sediments were quite extensive. With the exception of copper, the data base contained between 5,000 and 20,000 measurements for each metal. The copper data were restricted to wet weight determinations due to limitations in the STORET data transfer. The total STORET data base size for dry weight copper measurements is comparable to that for the other metals so that future evaluation of the STORET data base could utilize a more extensive data set.

The log concentration in sediments versus cumulative frequency plots for copper, lead, mercury, zinc, nickel, arsenic and cadmium are shown in Figures 3.1 to 3.7, respectively. These figures typically exhibit a sigmoid (S-)

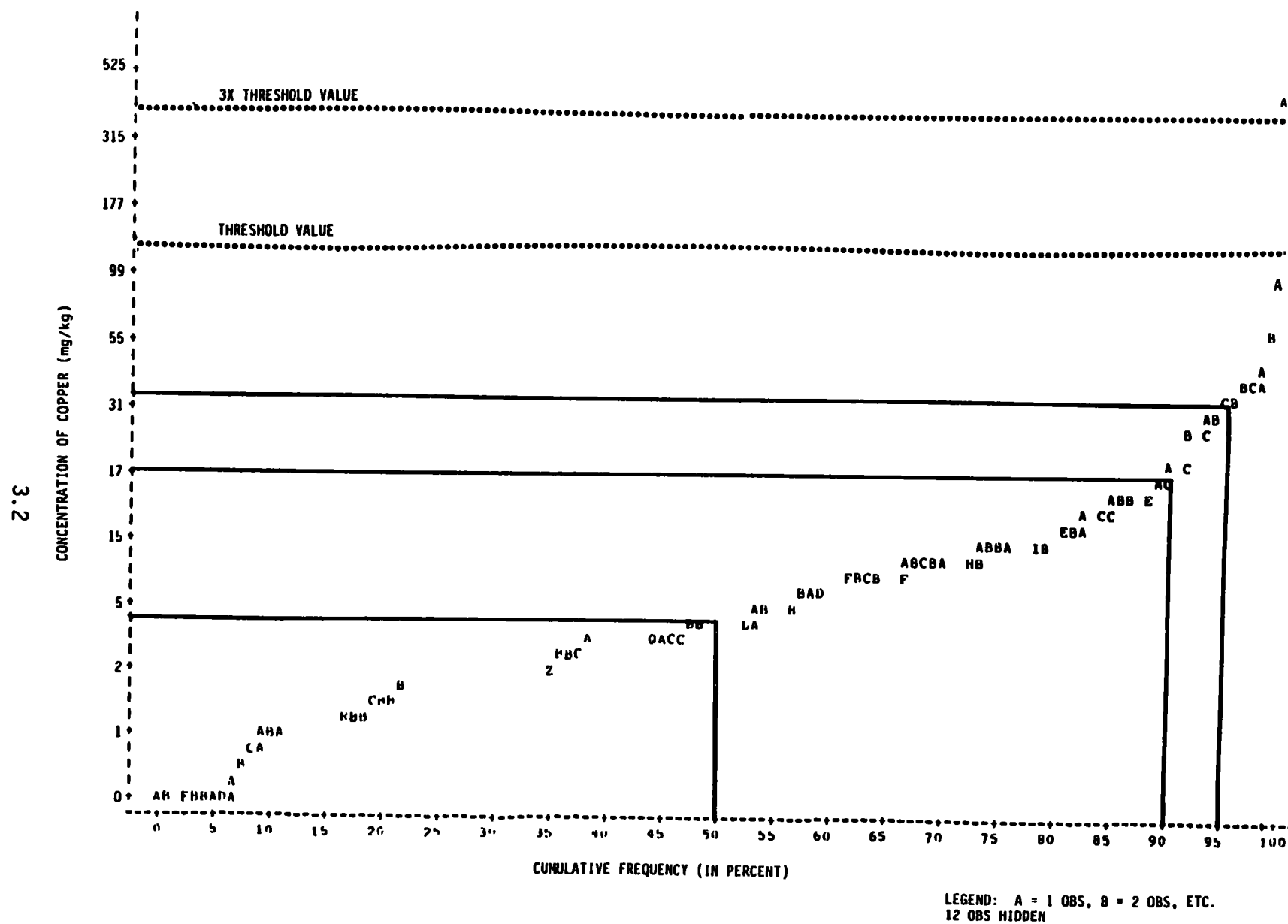


FIGURE 3.1 CUMULATIVE FREQUENCY PLOT FOR COPPER

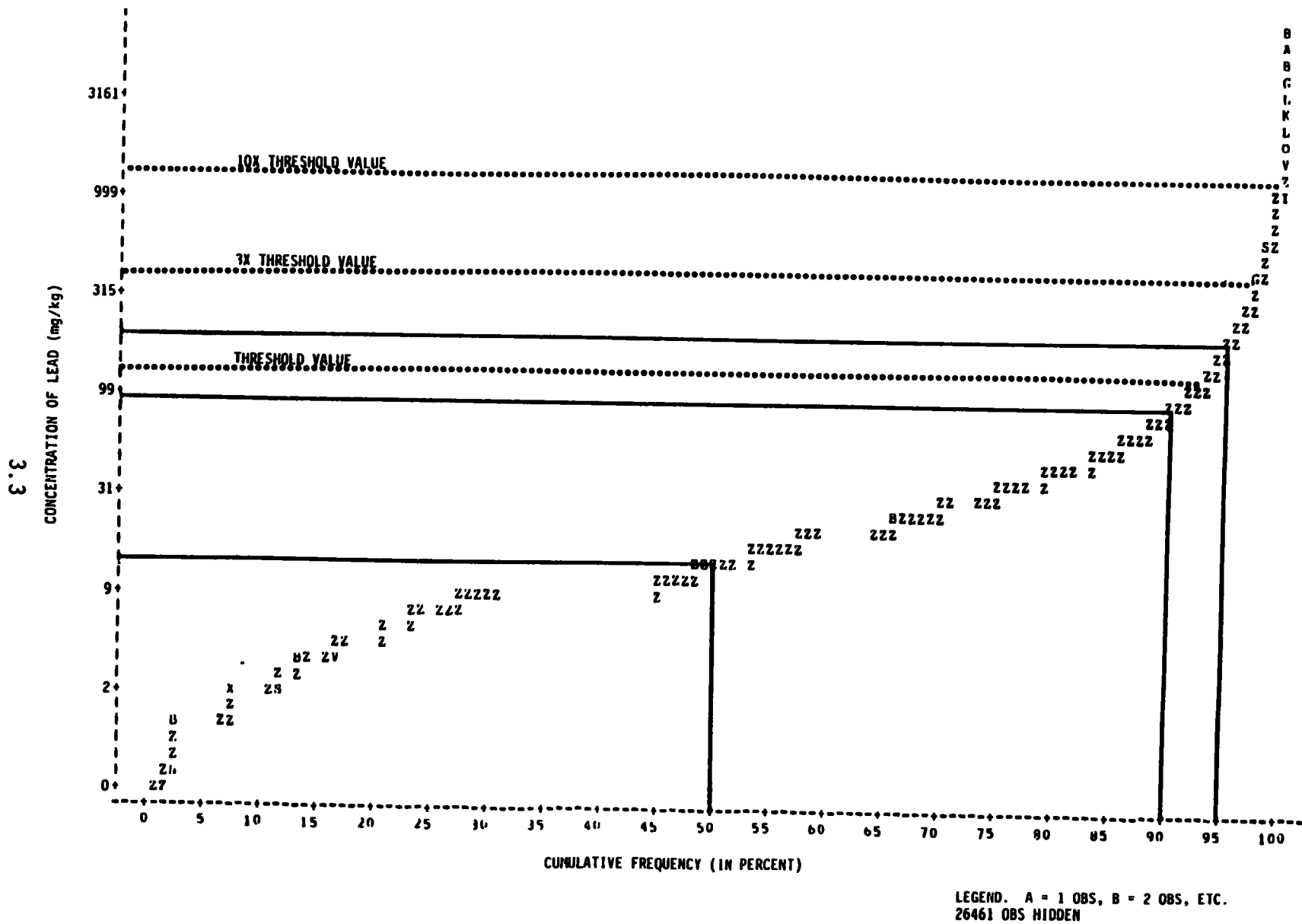


FIGURE 3.2 CUMULATIVE FREQUENCY PLOT FOR LEAD

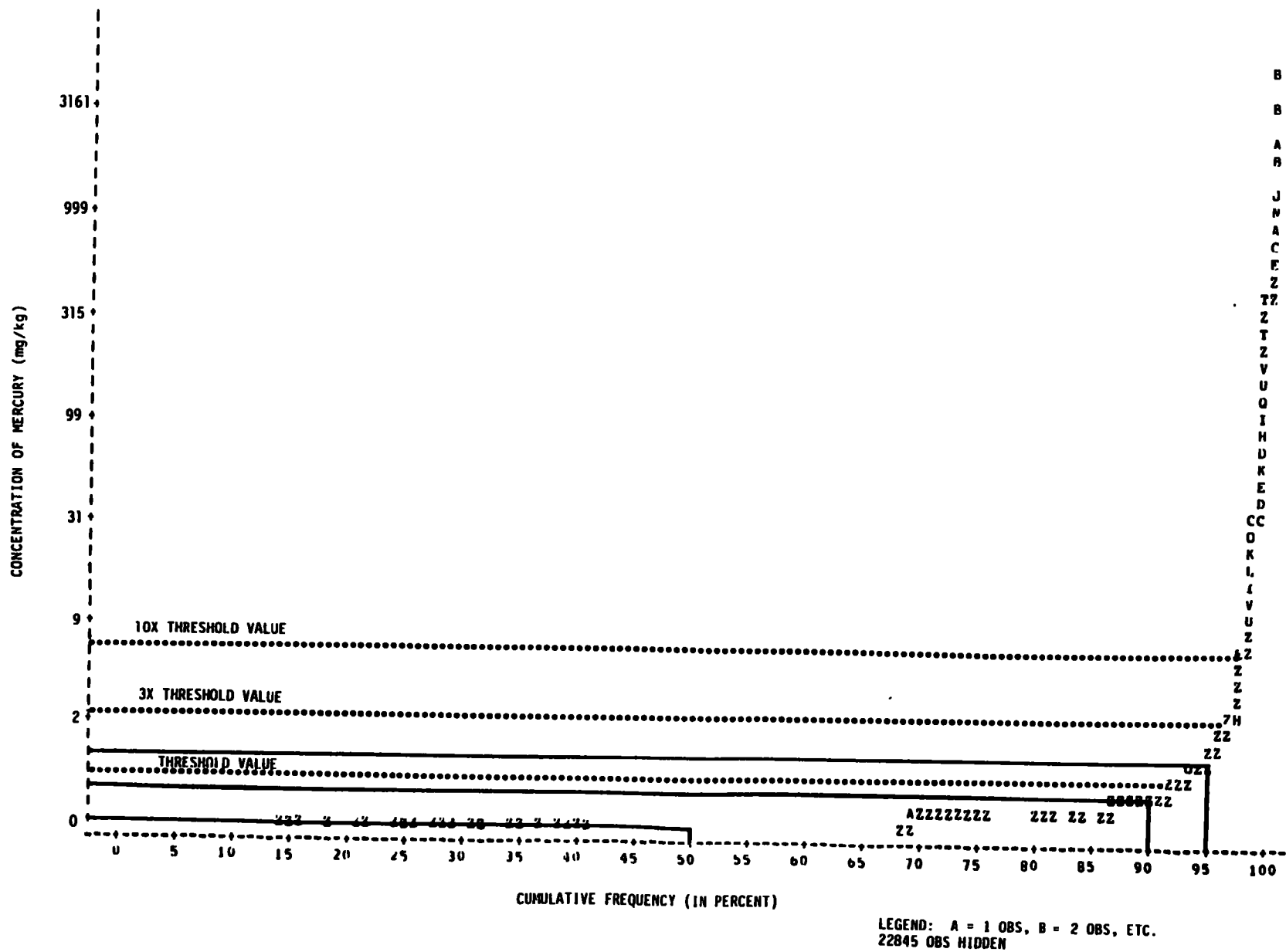


FIGURE 3.3 CUMULATIVE FREQUENCY PLOT FOR MERCURY

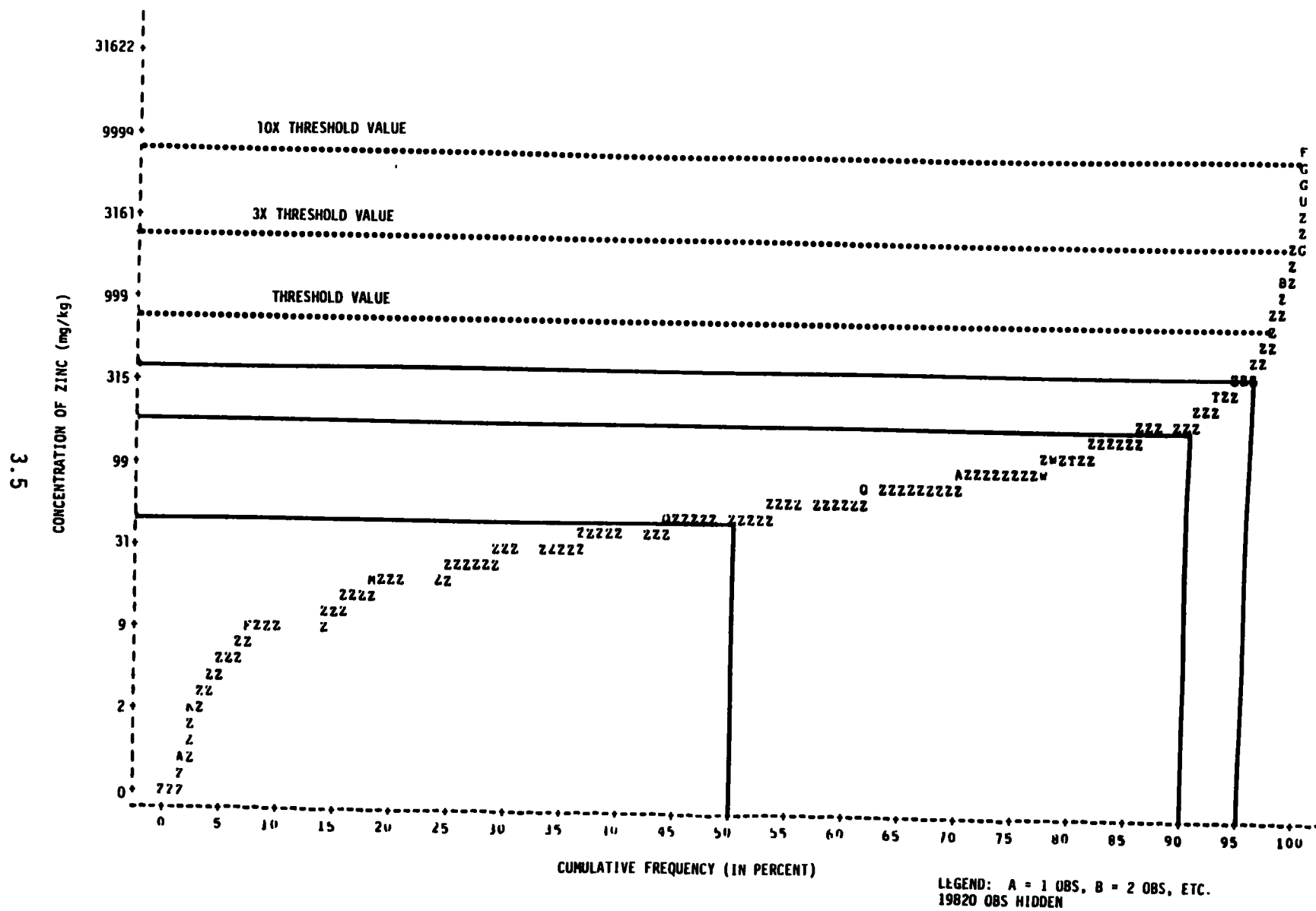


FIGURE 3.4 CUMULATIVE FREQUENCY PLOT FOR ZINC

9.8

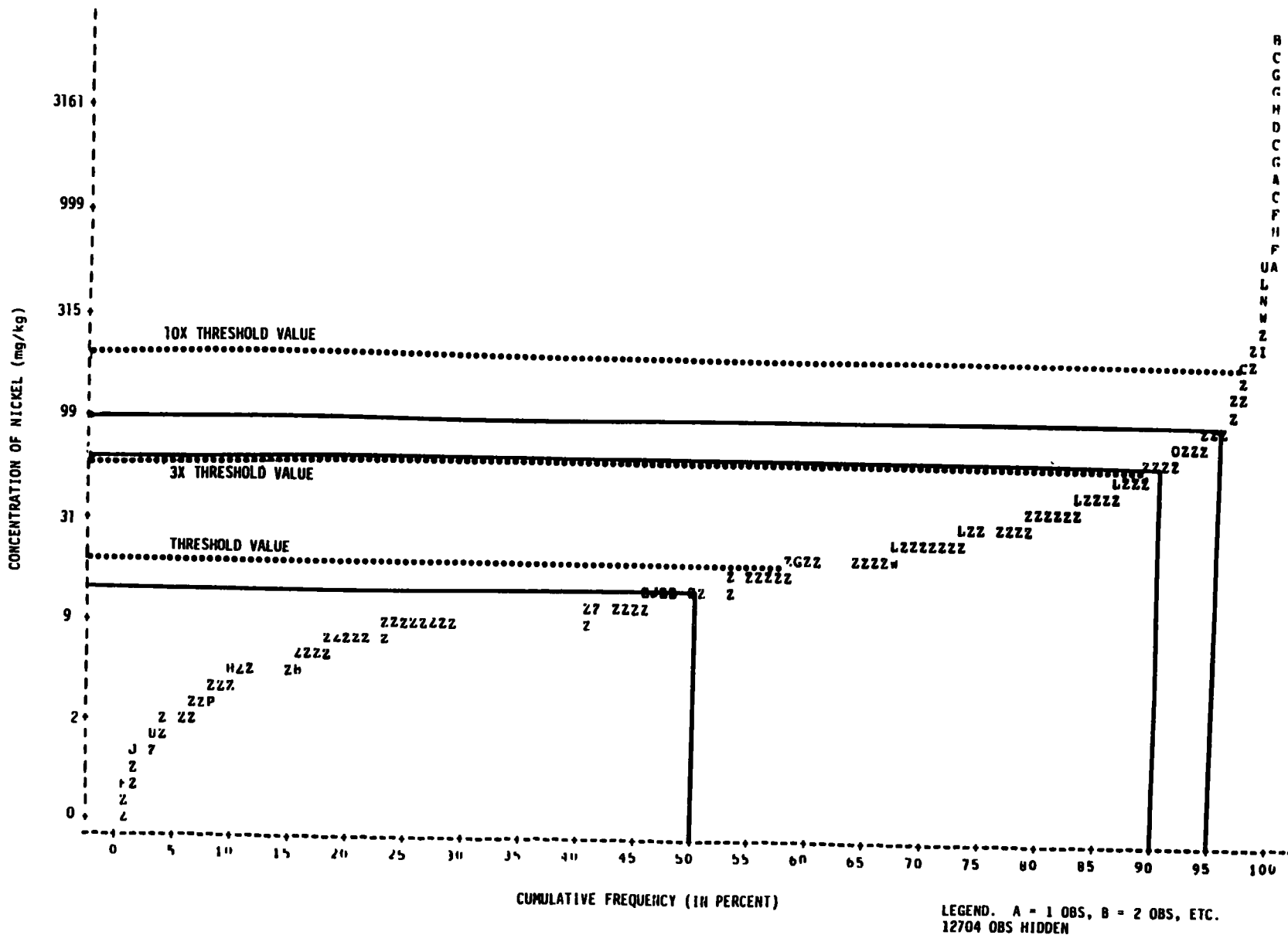


FIGURE 3.5 CUMULATIVE FREQUENCY PLOT FOR NICKEL

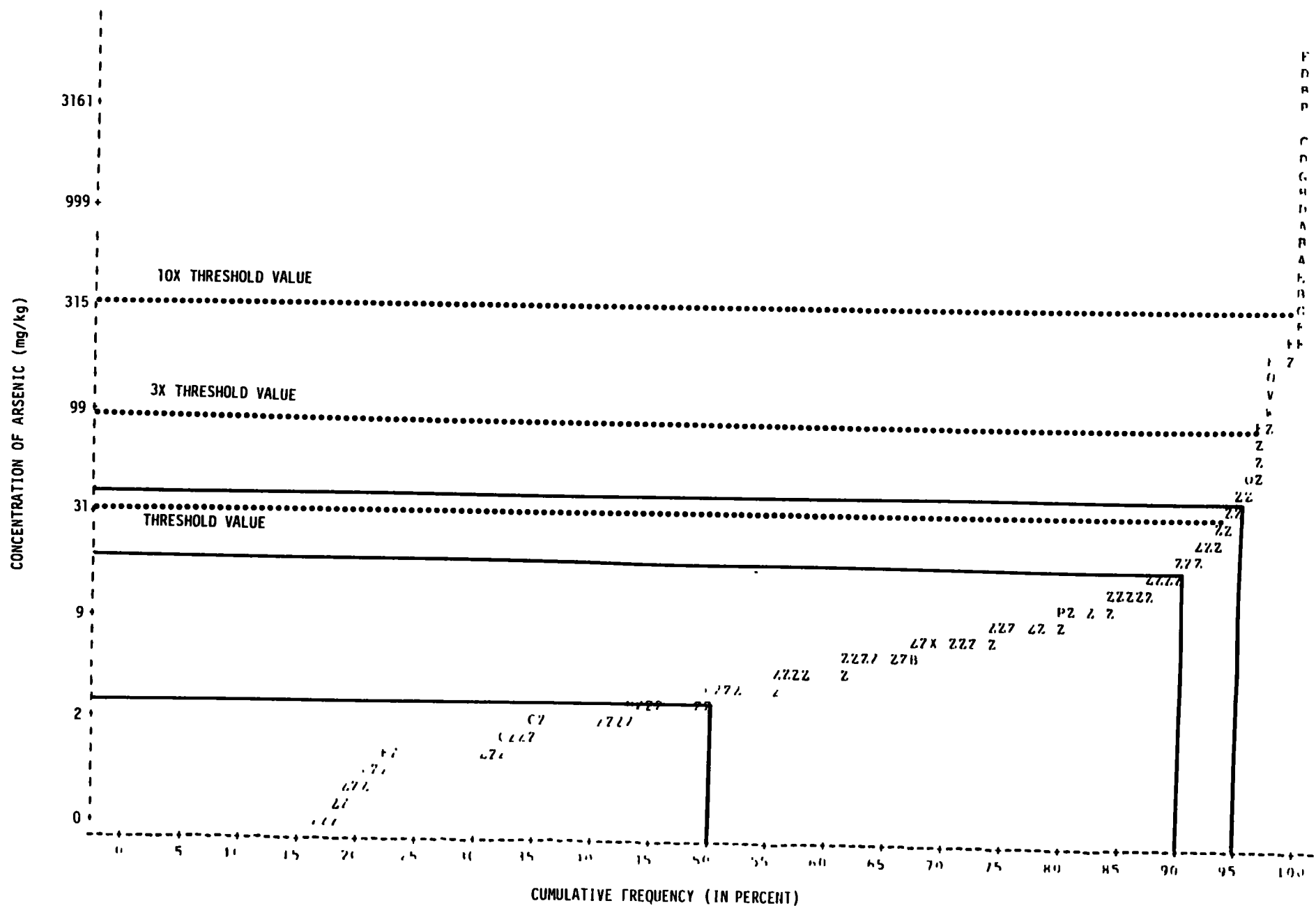


FIGURE 3.6 CUMULATIVE FREQUENCY PLOT FOR ARSENIC

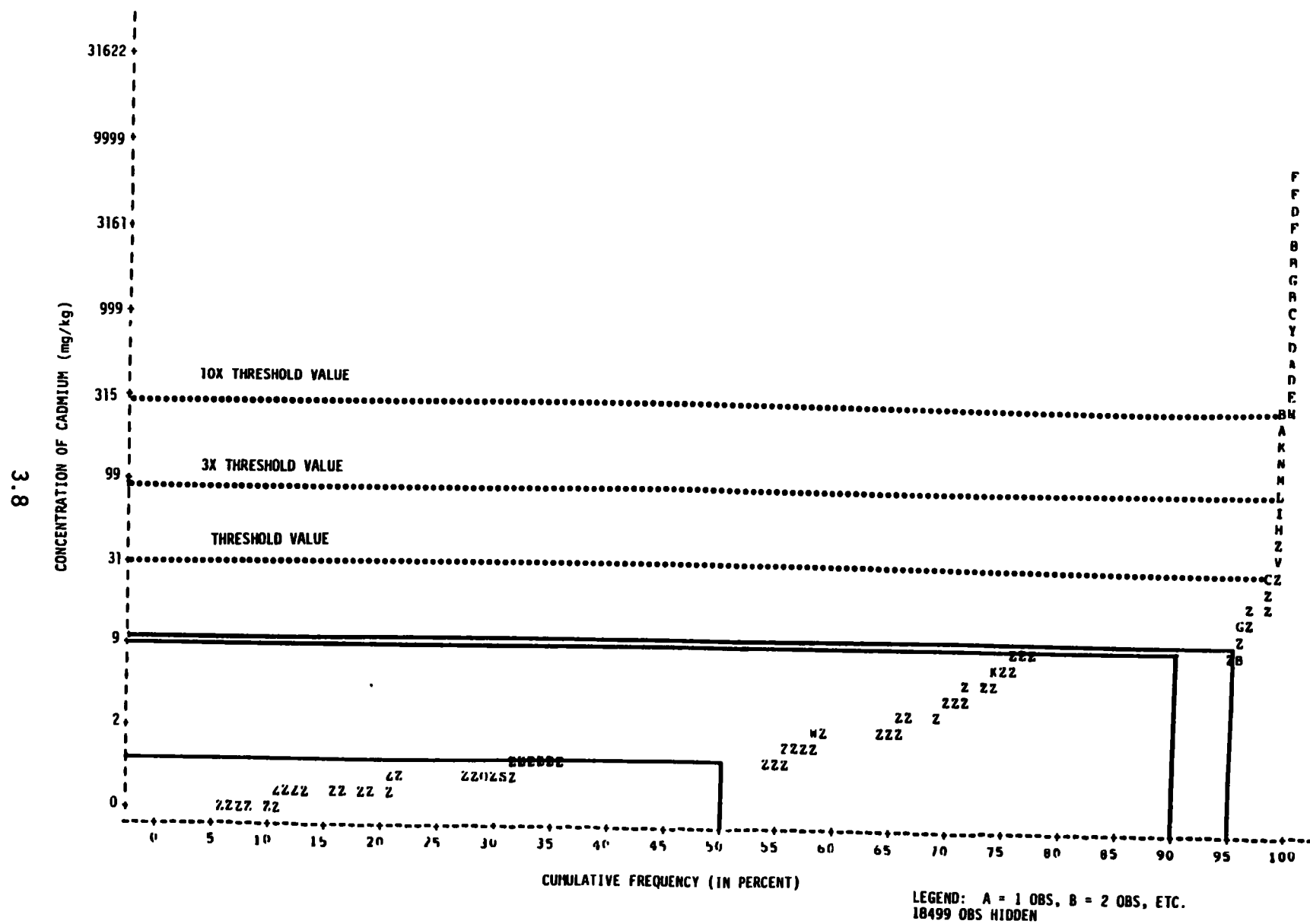


FIGURE 3.7 CUMULATIVE FREQUENCY PLOT FOR CADMIUM

shape on this type of plot. When transformed to a probability scale on the x-axis, the plots are nearly straight lines indicating log-normally distributed data. Table 3.1 provides a comparative summary of the data. The most striking aspect of this summary is the large percentage of data in the Level 1 range (less than threshold value). Irrespective of whether the preliminary thresholds concentrations derived from chemical partitioning represent valid and defensible biotic thresholds, the implication for a regulatory strategy conditional upon these levels are that very few areas would be considered sufficiently contaminated to require remedial action.

For each of the metals, a very small percentage of the data appears in Level 4 (more than ten times threshold value). A review of the readily available open literature, however, seems to indicate a need to carefully examine the rationale for establishing these threshold levels. For example, in a study of Portage Lake, environmental degradation was noted in an area where sediment metals concentrations averaged 589 mg/kg (Malueg, 1984). Also in the Little Grizzly Creek System in California, Malueg (1984) noted that ephemeropterans (mayflies) and plecopterans (stoneflies) were rare or absent from a location containing 2200 mg/kg of copper.

Bioconcentration may be another area of concern when evaluating the threshold values. Leland et al. (1978) describes a rural stream located in Illinois, which had low levels of cadmium and lead in the water but substantially elevated levels in the sediments and organisms. Leland states that "concentration factors increased in the order fish < sediment < aquatic insects < snails." Schuytema (1984) reports that although sediment-sorbed cadmium was observed to have little effect on Daphnia magna mortality, it may have a pronounced effect on benthic organisms that ingest large quantities of sediment relative to water intake.

For each of these metals, alternative threshold values have been suggested by EPA Region V and the USGS. In the subsequent discussion, the more conservative alternative threshold is the EPA value; the less conservative, the USGS sediment alert levels. For copper, 25 mg/kg and 2000 mg/kg represent the range of these other suggested threshold values. With a threshold value

TABLE 3.1. FRESHWATER DATA SUMMARY--METALS

|     | Threshold<br>Concentration<br>(mg/kg) | Total Number<br>of Locations | Percent in<br>Level 1 | Percent in<br>Level 2 | Percent in<br>Level 3 | Percent in<br>Level 4 | Median<br>Concentration<br>(mg/kg) | 95th Percentile<br>Concentration<br>(mg/kg) | Maximum<br>Concentration<br>(mg/kg) |
|-----|---------------------------------------|------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------------|---------------------------------------------|-------------------------------------|
| Cu  | 136                                   | 300                          | 99.9                  | none                  | 0.1                   | none                  | 4.0                                | 32                                          | 493                                 |
| Pb  | 132                                   | 32,024                       | 92.5                  | 5.0                   | 1.5                   | 1.0                   | 16                                 | 199                                         | 19,000                              |
| Hg* | 0.8                                   | 24,989                       | 92                    | 4.0                   | 2.0                   | 2.0                   | < 1.0                              | 1.0                                         | 40,000                              |
| Zn  | 760                                   | 23,382                       | 96                    | 1.5                   | 1.5                   | 1.0                   | 41                                 | 379                                         | 50,800                              |
| Ni  | 20                                    | 15,690                       | 57                    | 32                    | 7.0                   | 3.0                   | 13                                 | 99                                          | 6,000                               |
| As  | 33                                    | 16,275                       | 94                    | 3.5                   | 2.4                   | 0.1                   | 4.0                                | 39                                          | 6,200                               |
| Cd  | 31                                    | 20,297                       | 97.5                  | 1.0                   | 1.0                   | 0.5                   | 1.0                                | 12                                          | 8,230                               |

\*The mercury and values were not corrected for organic carbon content.

of 2000 mg/kg, all the data would be classified as Level 1. A total of 8 percent of the STORET data appear in the Level 2 range with the lower threshold of 25 mg/kg.

For lead, 40 mg/kg and 500 mg/kg are the suggested threshold range endpoints. With a threshold level of 40 mg/kg, 21 percent of the data points were distributed in Levels 2, 3, and 4. With a threshold value of 500 mg/kg, 1 percent of the data were so distributed.

The alternate criteria for mercury span the range between 1 mg/kg and 20 mg/kg. At 1 mg/kg, 6 percent of the data points were above this designated threshold value. At 20 mg/kg, 2 percent of the sediments exceeded Level 1.

For zinc, 90 mg/kg and 5000 mg/kg were the limits of suggested threshold values. At 90 mg/kg, 31 percent of the sediments would be designated as greater than Level 1. At 5000 mg/kg, less than 0.01 percent of the data are above level 1.

The only alternative concentration for nickel was 2,000 mg/kg. At 2000 mg/kg, less than 0.2 percent of the data would be classified in a level other than Level 1.

For arsenic, 3 mg/kg and 200 mg/kg are two suggested threshold values. At 3 mg/kg, 62 percent of the sediments would be classified in Levels 2, 3, and 4. This percentage represents a significant number of sites and is suggestive of a definite need to evaluate this alternative threshold. At 200 mg/kg, only 3 percent of the data would be distributed in the higher three levels.

For cadmium, 6 mg/kg and 20 mg/kg were the two suggested threshold values. At 6 mg/kg, 26 percent of the data would fall in levels greater than one. At 20 mg/kg, 4 percent of the data would be classified in Levels 2, 3, and 4.

In general, for the metals examined, the vast majority of the data is classified in Level 1. The data in the upper three levels are distributed rather evenly with a slight increase in Level 2. Application of the lower range of alternative criteria would result in greater numbers of sites requiring regulatory scrutiny. As stated in Section 2.2, no freshwater STORET data were acquired for chromium, although such measurements are available within STORET.

### 3.2 POLYNUCLEAR AROMATIC HYDROCARBONS (PAHs)

STORET data for PAH concentration in sediments were judged to be adequate for assessment in terms of number of data points. The data base for each PAH typically consisted of approximately 400 measurements with the exception of the benzo(a)anthracene data base which consisted of approximately 1,500 measurements. Although it is the most-frequently analyzed PAH in water and sediments, benzo(a)pyrene is not here in the evaluation of freshwater sediments due to difficulties in accessing the appropriate data for this compound from STORET.

The log concentration versus cumulative frequency plots for acenaphthalene, anthracene, benzo(a)anthracene, fluorene, and phenanthrene are shown in Figures 3.8 to 3.12, respectively. The plots reflect the ubiquitous nature of PAHs in that a comparatively low percentage was below detection. A comparative summary of the data is provided in Table 3.2. The most striking aspect of this summary is that the vast majority of the data is classified in Level 1. The threshold values used to make this classification, however, must be proven defensible and biologically relevant. Median concentrations, the highest concentrations, and the concentrations below which 95 percent of the data falls are quite similar for all the PAHs shown in Table 3.2 with the exception of benzo(a)anthracene which exhibits even lower values.

PAHs are of environmental concern due to the carcinogenic and/or mutagenic properties of some of them. High incidences of tumors in carp and goldfish of the Lake Erie tributaries have been correlated with high concentrations of PAHs in sediment (Black et al., 1980). In laboratory studies, PAHs have induced tumors in fish as well as caused the production of carcinogenic metabolites (Neff, 1979). A high incidence of tumors was observed in Great Lakes fish that feed primarily on the bottom (Sonstegard, 1977).

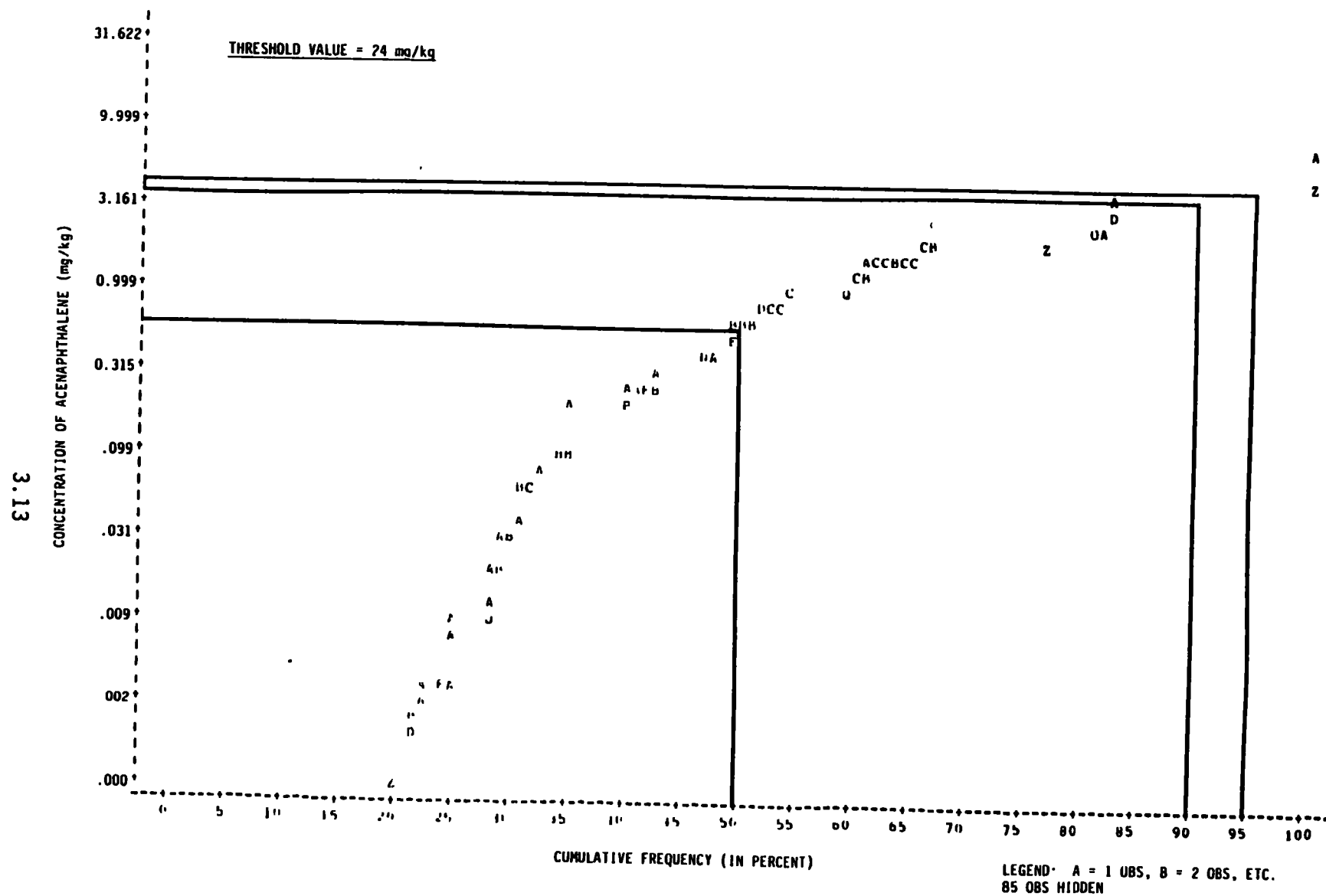


FIGURE 3.8 CUMULATIVE FREQUENCY PLOT FOR ACENAPHTHALENE

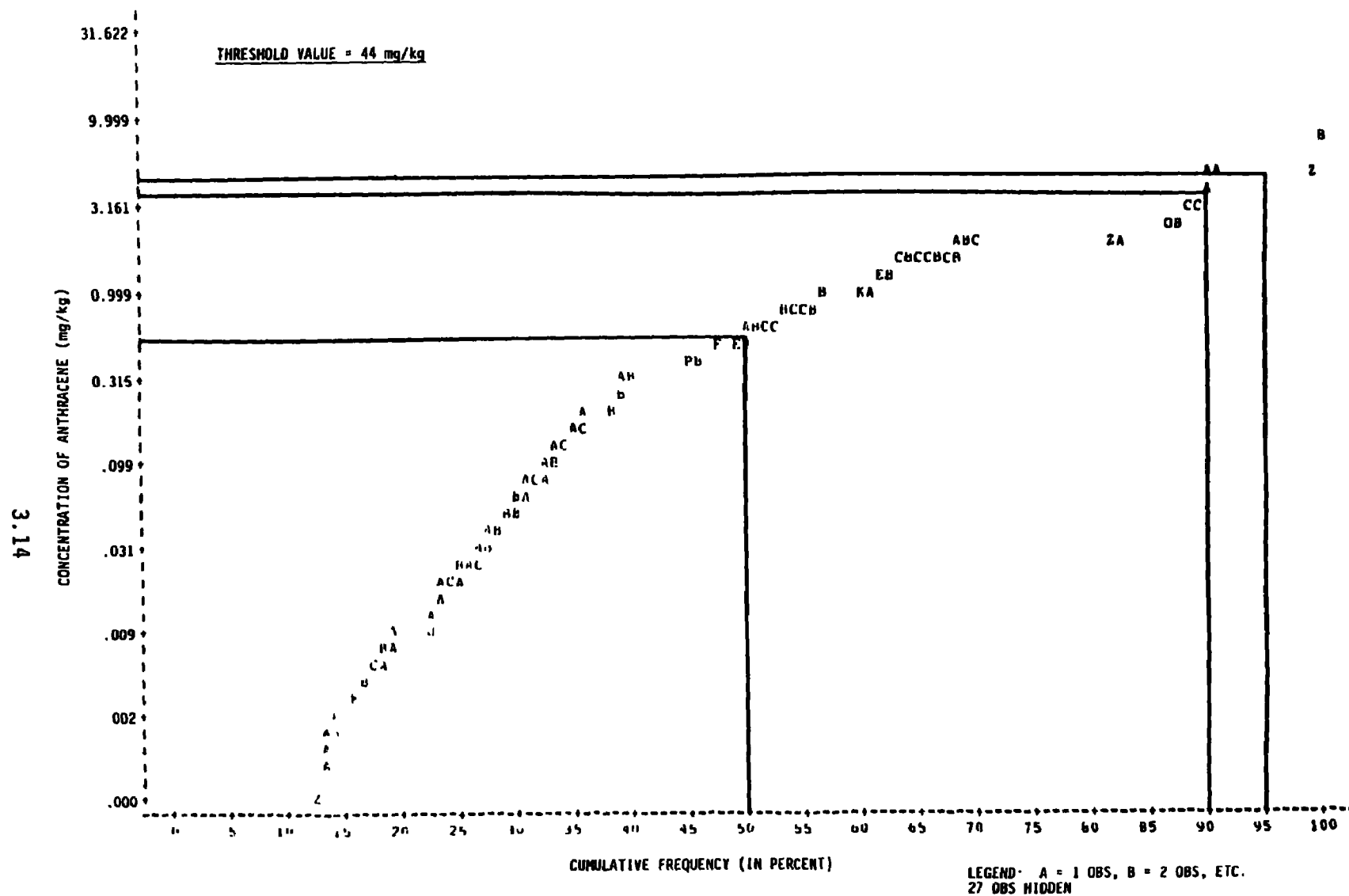


FIGURE 3.9 CUMULATIVE FREQUENCY PLOT FOR ANTHRACENE

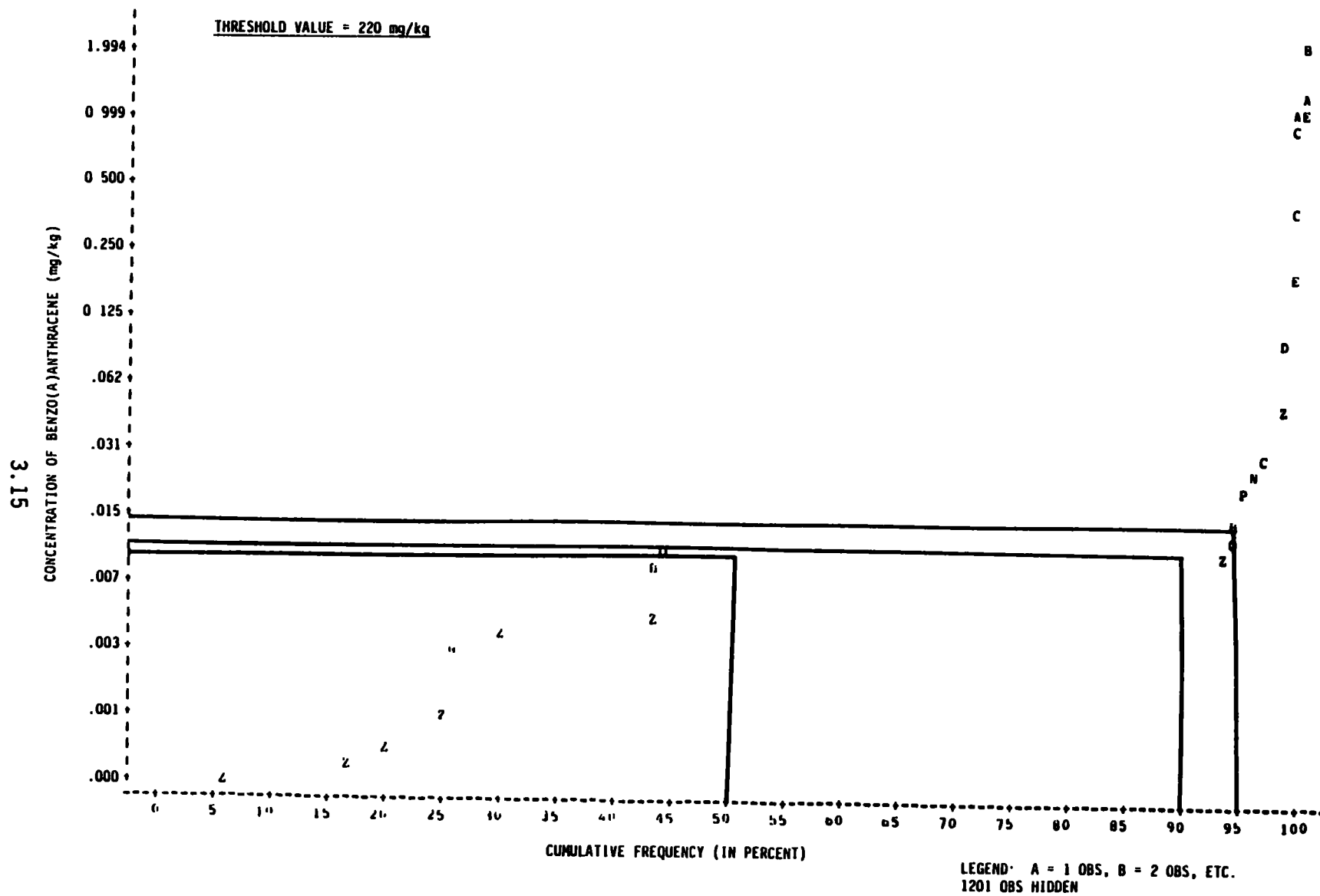


FIGURE 3.10 CUMULATIVE FREQUENCY PLOT FOR BENZO(A)ANTHRACENE

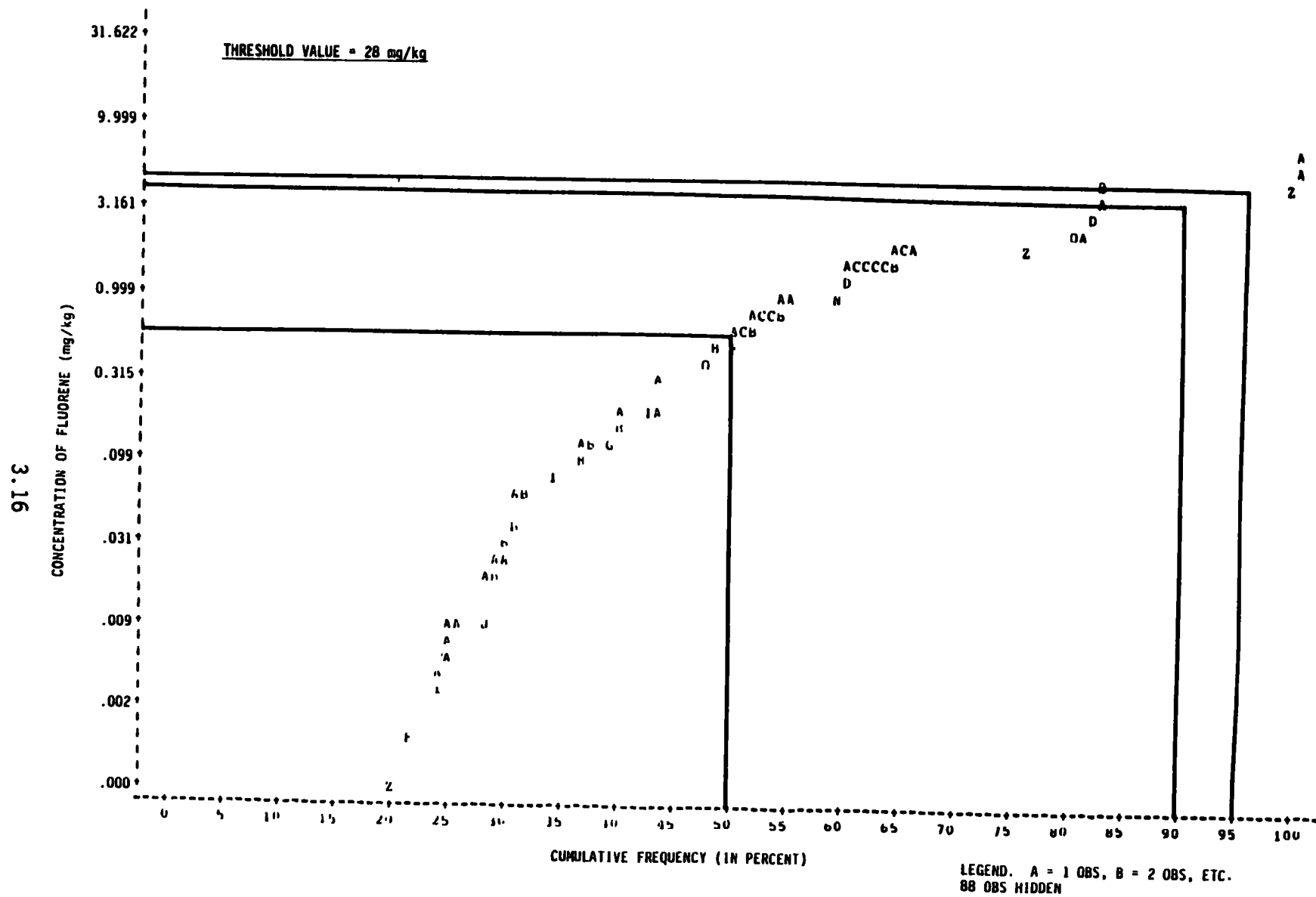


FIGURE 3.11 CUMULATIVE FREQUENCY PLOT FOR FLUORENE

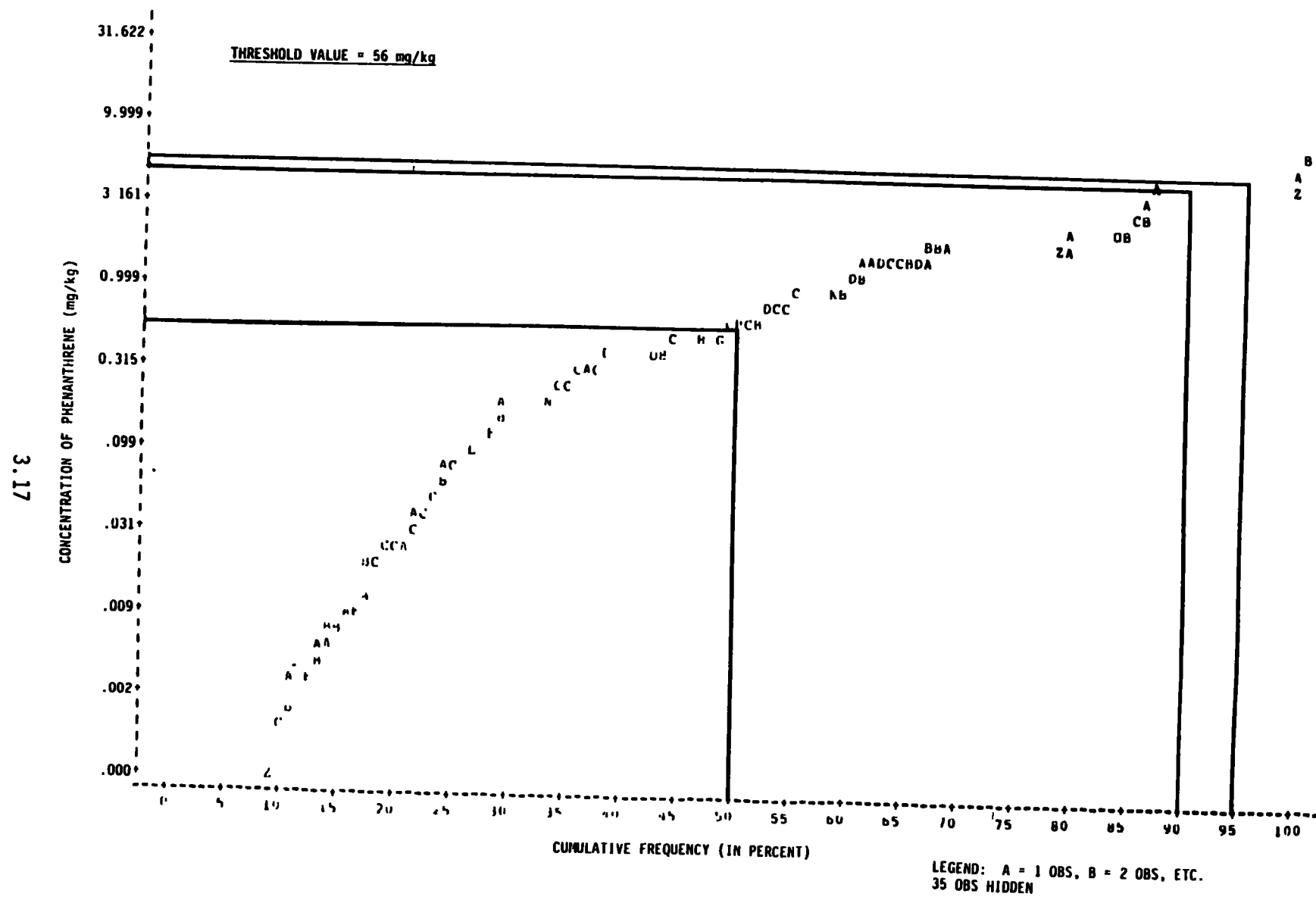


FIGURE 3.12 CUMULATIVE FREQUENCY PLOT FOR PHENANTHRENE

TABLE 3.2. FRESHWATER DATA SUMMARY--POLYNUCLEAR AROMATIC HYDROCARBONS

|                    | Threshold<br>(mg/kg) | Median<br>Concentration<br>(mg/kg) | 95th Percentile<br>Concentration<br>(mg/kg) | Highest<br>Concentration<br>(mg/kg) |
|--------------------|----------------------|------------------------------------|---------------------------------------------|-------------------------------------|
| acenaphthalene     | 24                   | 0.6                                | 4.3                                         | 5.0                                 |
| anthracene         | 44                   | 0.5                                | 4.5                                         | 17.0                                |
| benzo(a)anthracene | 220                  | 0.010                              | 0.014                                       | 0.650                               |
| fluorene           | 28                   | 0.6                                | 4.5                                         | 6.3                                 |
| phenanthrene       | 56                   | 0.6                                | 5.6                                         | 6.4                                 |

Bioaccumulation of PAHs within benthic organisms is also a major concern when determining appropriate PAH levels. While some invertebrates have inducible mixed function oxygenase systems capable of metabolizing PAHs, others may lack the appropriate enzymes for biotransformation. Oligochaete worms, chironomids, and amphipods may contain concentrations of PAHs in their tissues similar to those in the fine-grained organic rock sediment in which they live. The amphipod, Pontoporia hoyi, in Lake Michigan, have bioconcentration factors for PAH ranging from  $10^4$  to  $10^5$  with respect to the overlying water column (Eadie et al., 1982).

Alternative criteria were not readily available for PAHs. The only site specific information obtained in this review referred to the Great Lakes Region. Lake Superior had sediment concentrations that were ten times lower than the lower Great Lakes. Lake Michigan had the highest sediment concentrations. The available data correlate well with the hypothesis of localized urban sources.

### 3.3 PHTHALATE ESTERS

The quantity of STORET data for for phthalate ester concentrations in sediments was adequate. The data base for both esters consisted of approximately 400 measurements.

The log concentration versus cumulative frequency plots for diethylphthalate and dimethylphthalate are shown in Figures 3.13 and 3.14, respectively. The shapes of the plots reflect the ubiquitous nature of phthalate esters in the environment. There are few high concentration "hot spots" that would be indicative of industrial point sources. Table 3.3 provides a summary of the data. The most notable aspect in the summary is the lack of Level 4 range data.

The summary indicates that a significant number of sites are classified as Level 3 for diethylphthalate. Dimethylphthalate, on the other hand, contains a significant number of values in Level 2. In general, the data for both phthalates are similar in terms of the shape of the respective distributions.

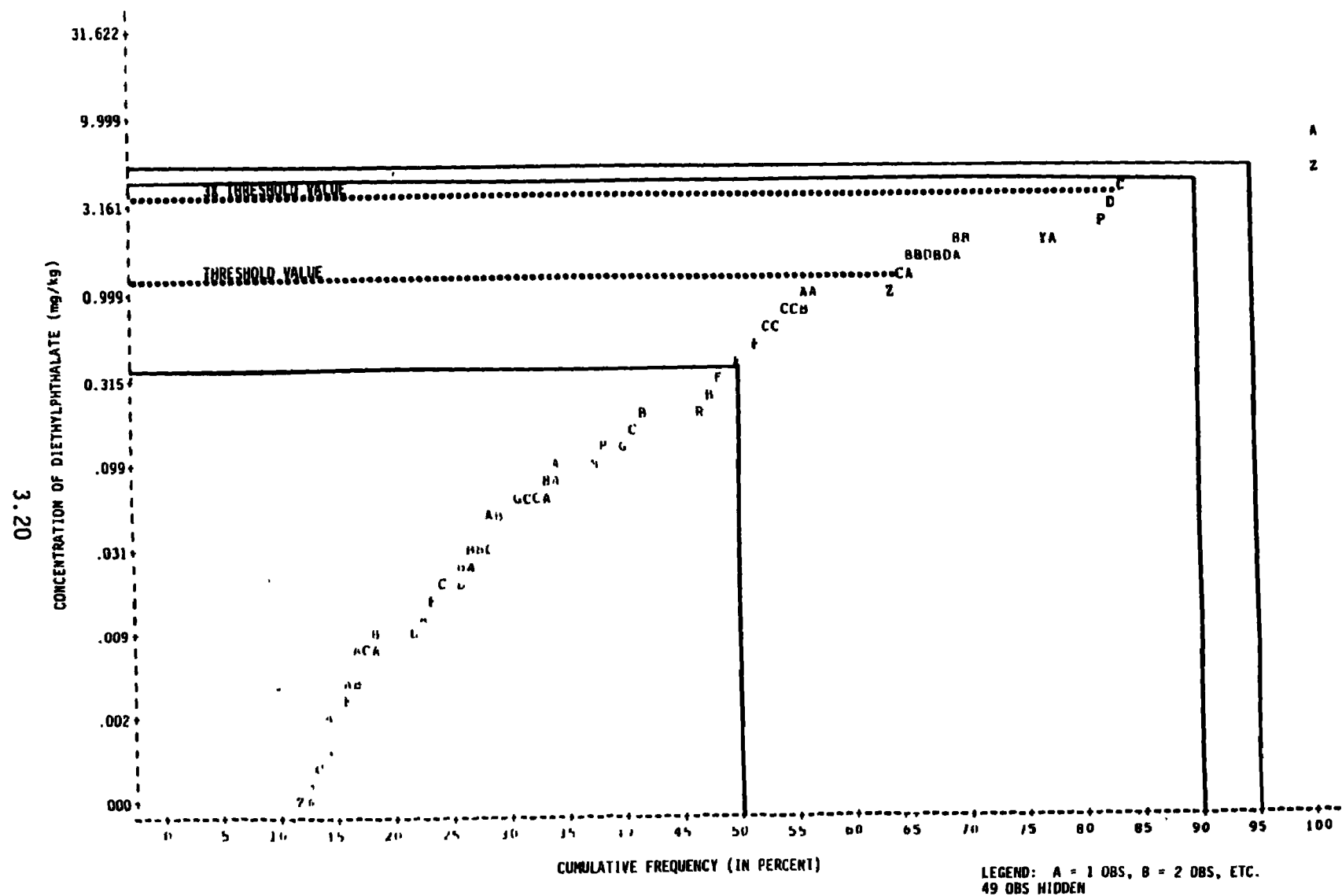


FIGURE 3.13 CUMULATIVE FREQUENCY PLOT FOR DIETHYLPHTHALATE

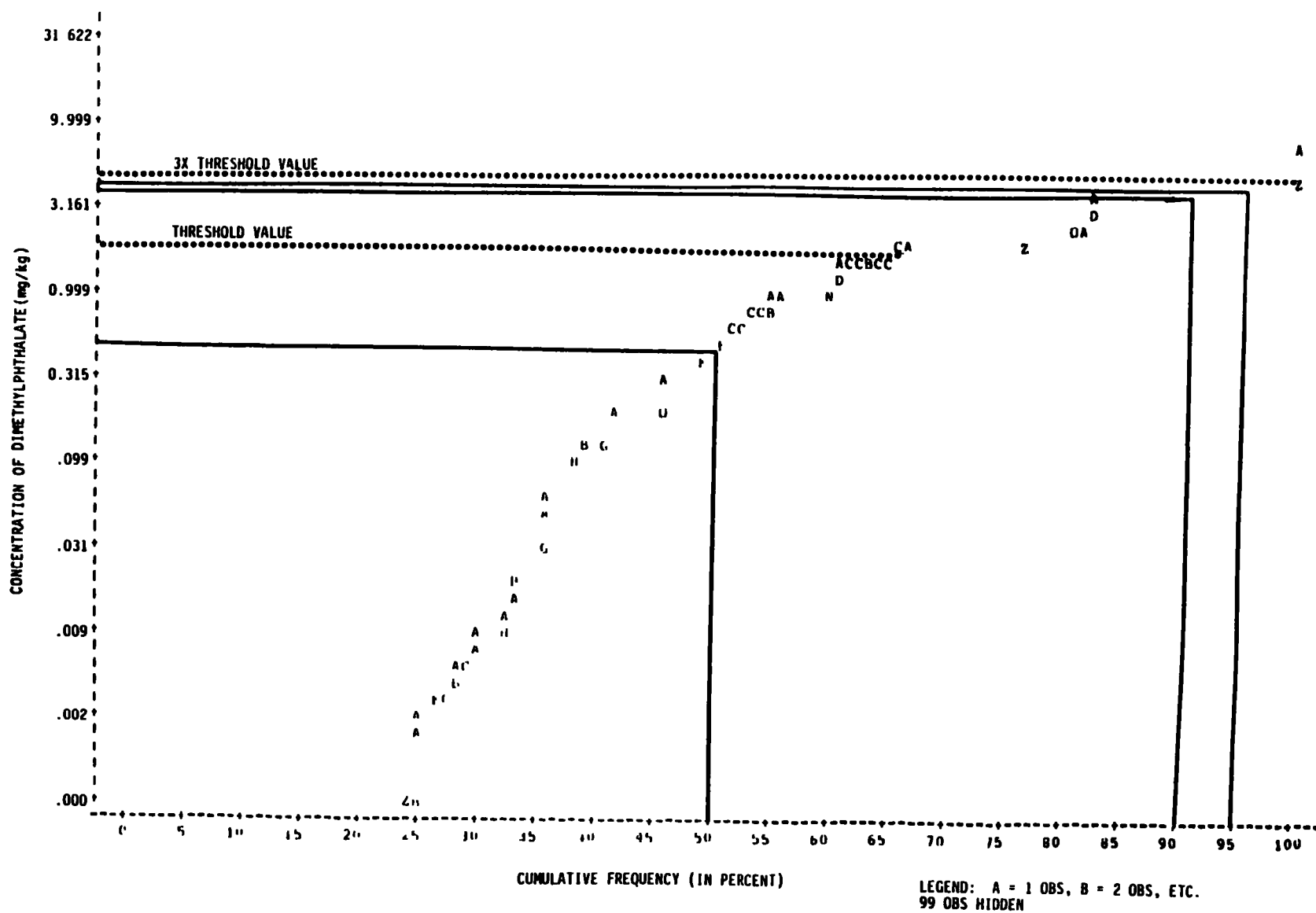


FIGURE 3.14 CUMULATIVE FREQUENCY PLOT FOR DIMETHYLPHTHALATE

TABLE 3.3. FRESHWATER DATA SUMMARY--PHTHALATE ESTERS

|                   | Threshold<br>Concentration<br>(mg/kg) | Total Number<br>of Locations | Percent in<br>Level 1 | Percent in<br>Level 2 | Percent in<br>Level 3 | Percent in<br>Level 4 | Median<br>Concentration<br>(mg/kg) | 95th Percentile<br>Concentration<br>(mg/kg) | Highest<br>Concentration<br>(mg/kg) |
|-------------------|---------------------------------------|------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------------|---------------------------------------------|-------------------------------------|
| diethylphthalate  | 1.28                                  | 368                          | 64                    | 20                    | 16                    | none                  | 0.40                               | 5.62                                        | 5.80                                |
| dimethylphthalate | 1.96                                  | 347                          | 65                    | 34                    | 1                     | none                  | 0.50                               | 4.47                                        | 5.00                                |

Alternative criteria were not available. Site specific information consisted mainly of studies in the middle and eastern United States where major phthalate ester producers and consumers are located. Although diethylphthalate and dimethylphthalate were not studied in these papers, results for other phthalates were similar to those contained in Table 3.3.

### 3.4 PESTICIDES

STORET data for pesticide concentrations in sediments were relatively extensive. The data base contained between 4,000 and 20,000 measurements for each pesticide.

The log concentration versus cumulative frequency plots for aldrin, chlordane, DDT, heptachlor, lindane and toxaphene are shown in Figures 3.15 to 3.20, respectively. The S-shaped plots transform into straight lines when the x-axis is a probability scale; thus, the data are distributed in a log-normal manner. Table 3.4 summarizes the pesticides data. In general, a very small percentage of sites is in Level 4.

In reviewing the data, several aspects are worthy of note. The median concentration is considerably less than the threshold value for all the pesticides. Chlordane, DDT, and toxaphene are of greatest interest because of the percent of observations in Level 2 column, the high values in the highest concentration column and the 95 percent concentration column. An alternative criterion of 0.02 mg/kg was proposed by the USGS for DDT. Using this criterion, 96 percent of the data falls in Level 1. Lindane also has an alternative criterion of 0.02 mg/kg which does not significantly change the distribution. Alternative criteria were not found for the other pesticides.

### 3.5 CHLORINATED HYDROCARBONS (EXCEPT PESTICIDES)

The only chlorinated hydrocarbons excluding pesticides for which STORET data could be obtained were the polychlorinated biphenyls (PCBs). PCB data are contained in STORET in several isomer or trade-name groupings. The most

3.24

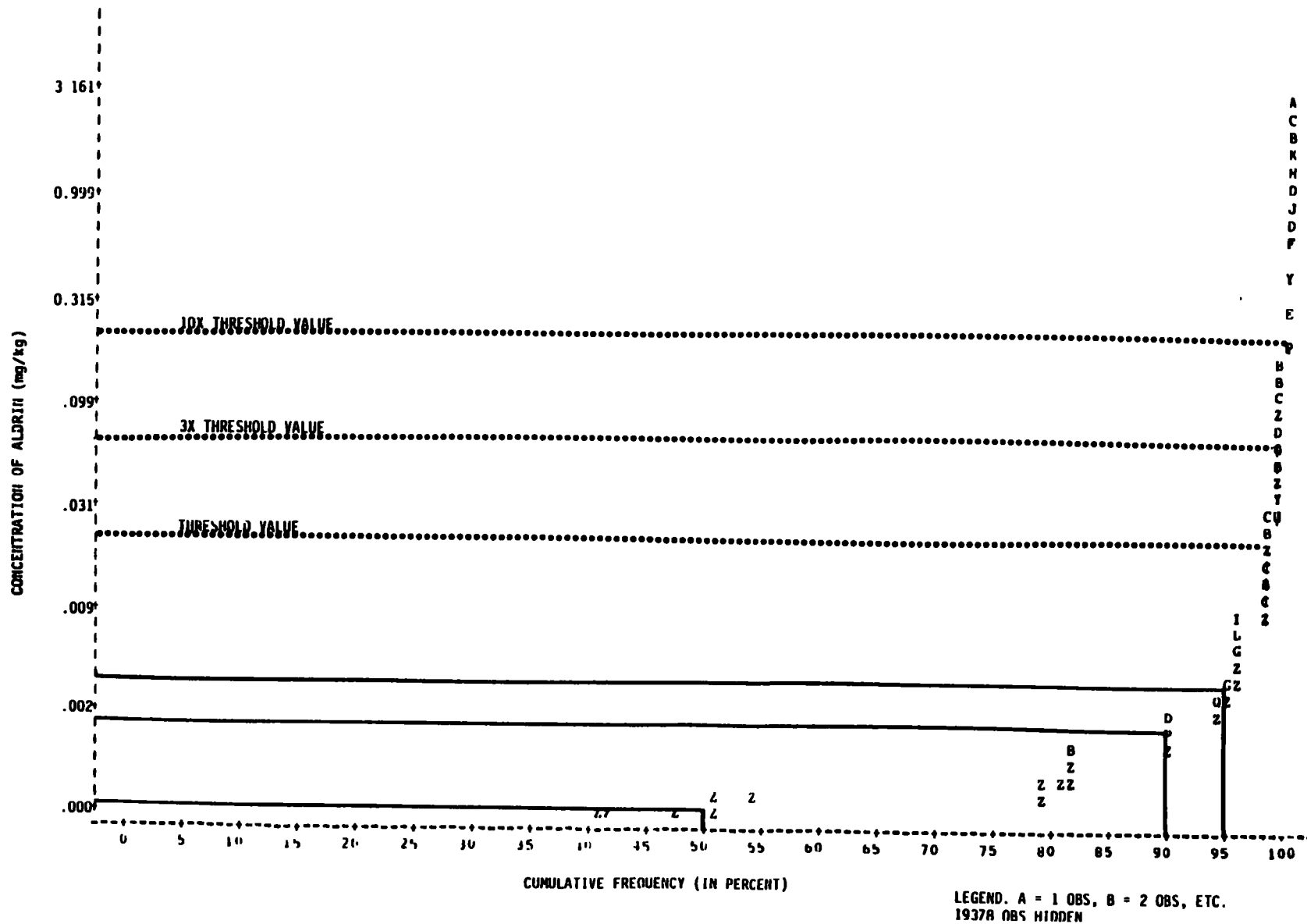


FIGURE 3.15 CUMULATIVE FREQUENCY PLOT FOR ALDRIN

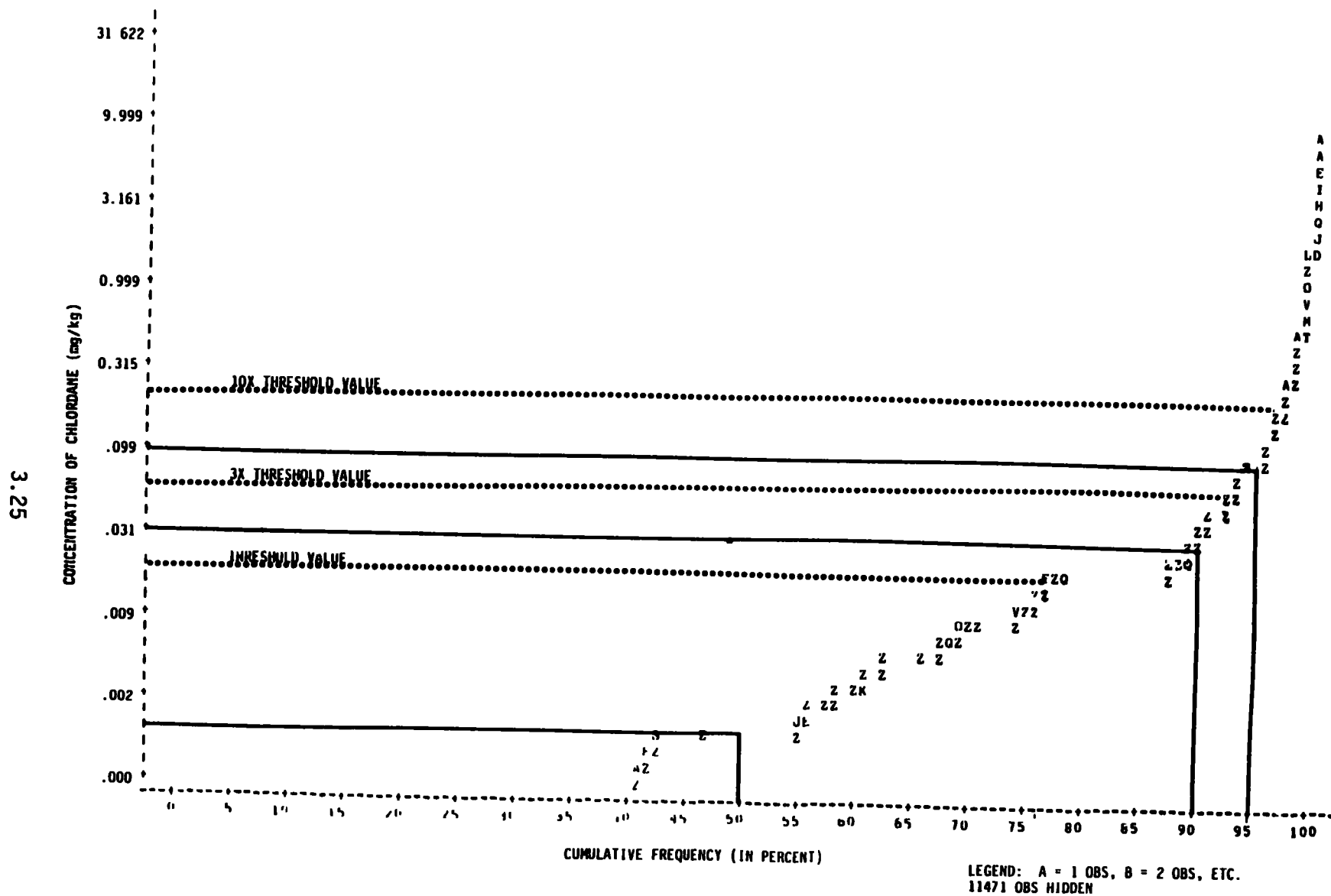


FIGURE 3.16 CUMULATIVE FREQUENCY PLOT FOR CHLORDANE

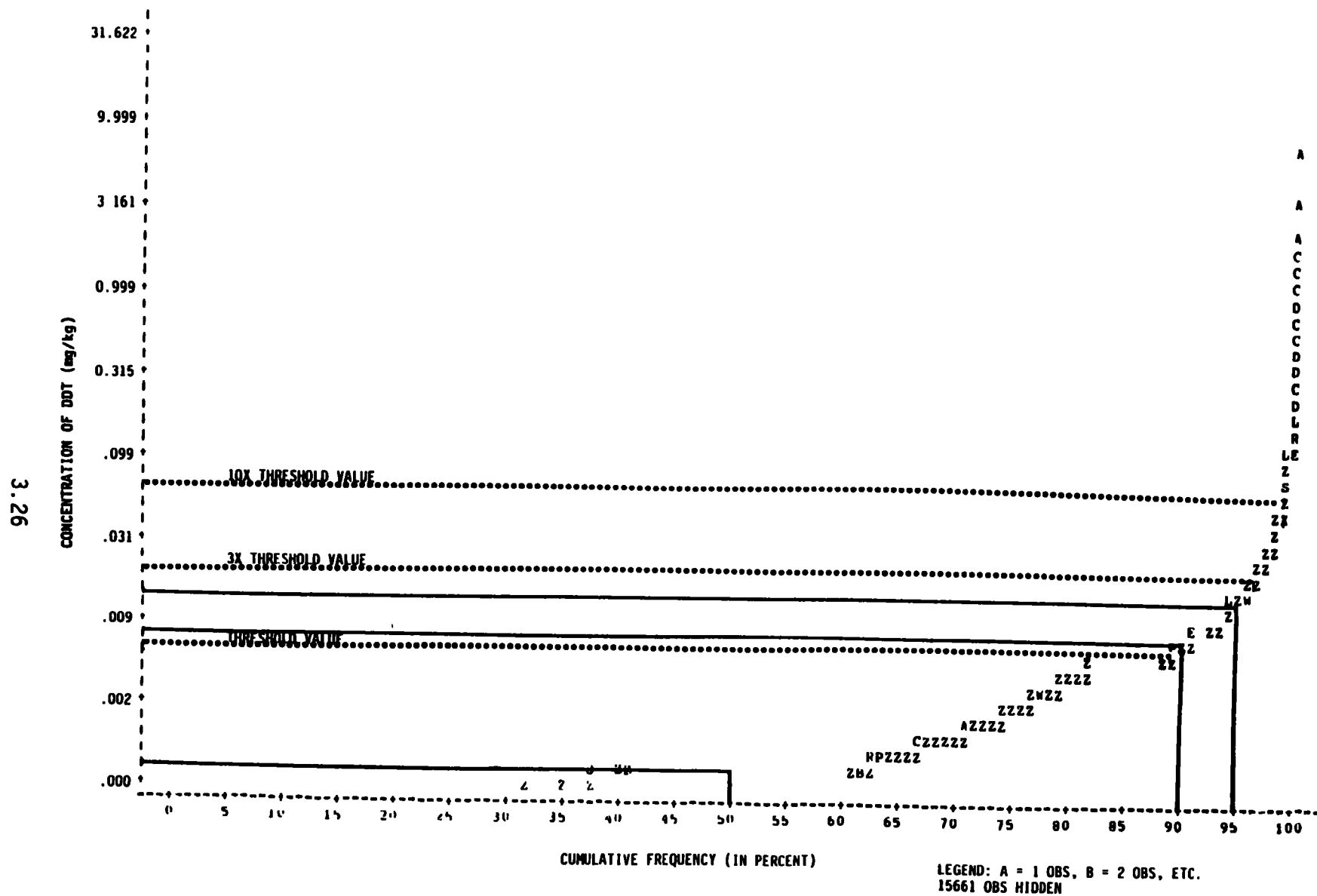


FIGURE 3.17 CUMULATIVE FREQUENCY PLOT FOR DDT

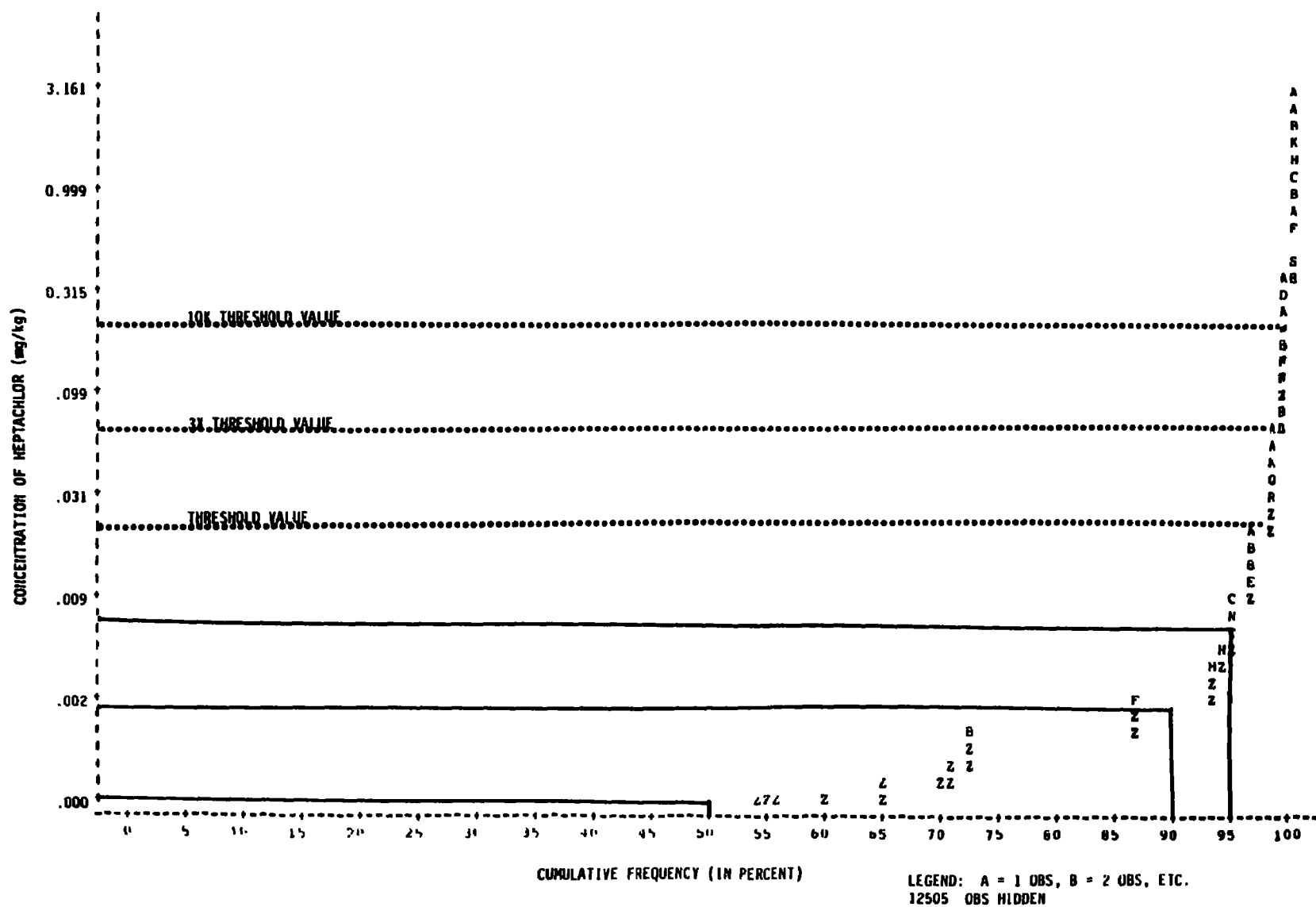


FIGURE 3.18 CUMULATIVE FREQUENCY PLOT FOR HEPTACHLOR

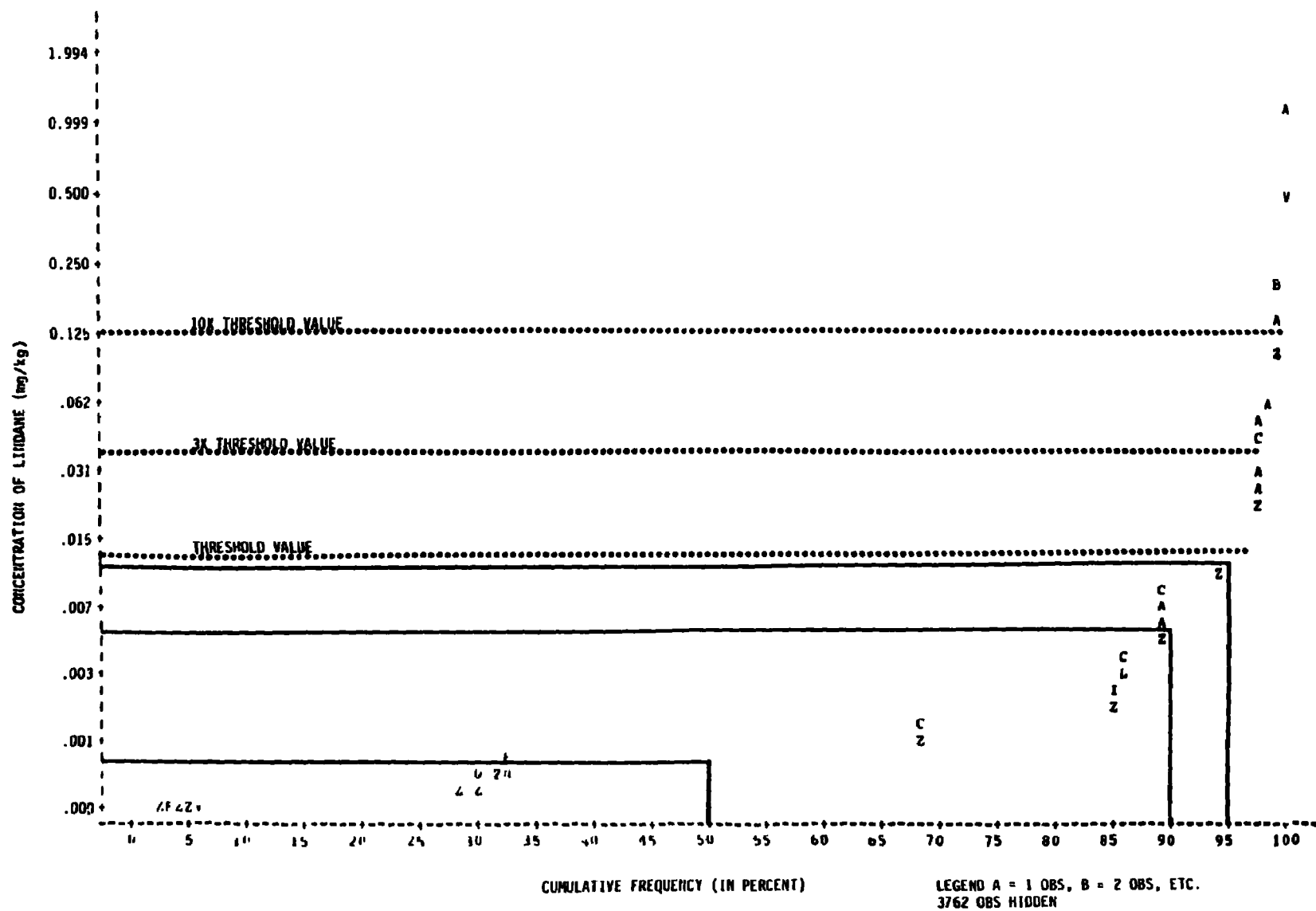


FIGURE 3.19 CUMULATIVE FREQUENCY PLOT FOR LINDANE

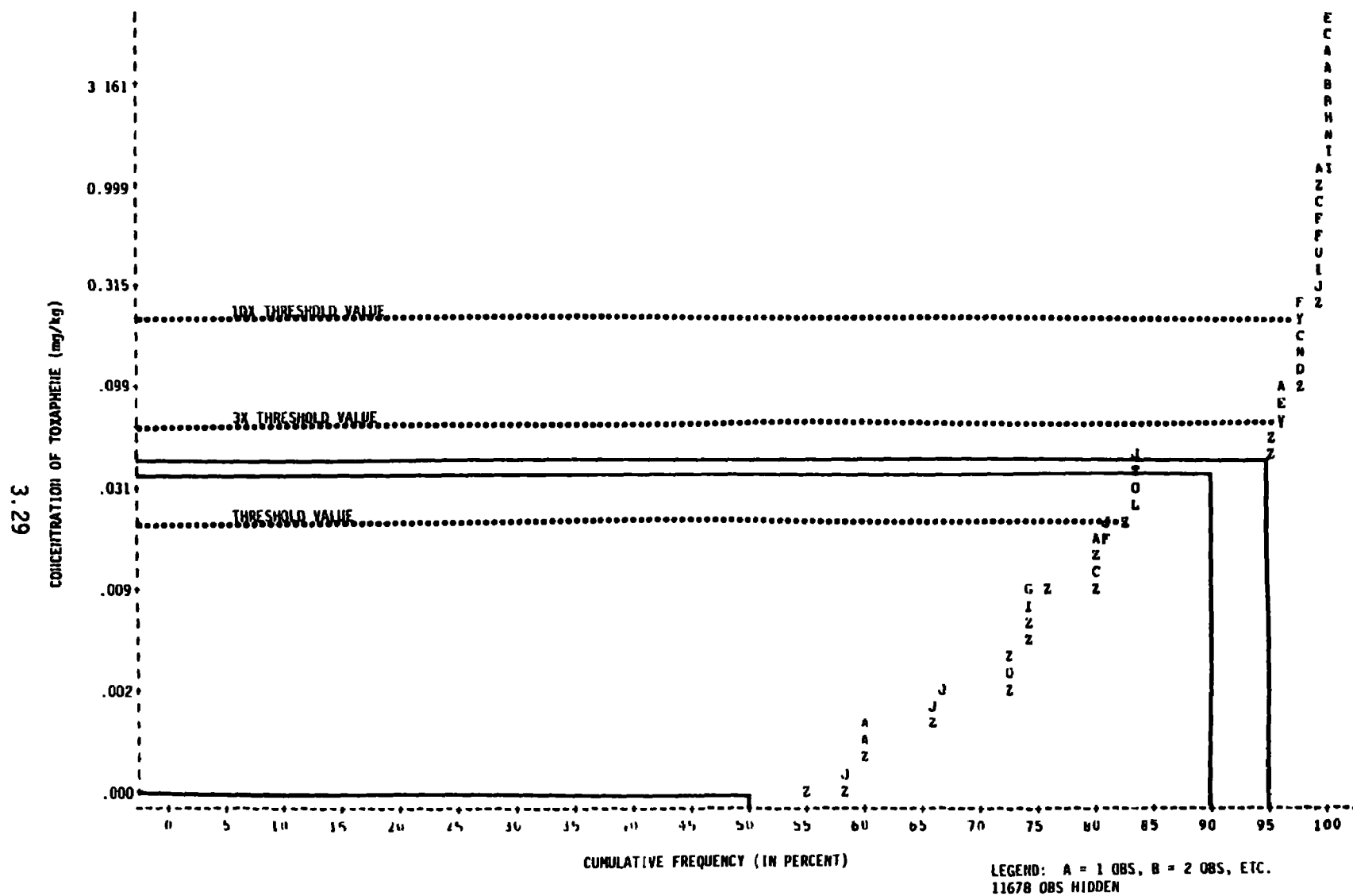


FIGURE 3.20 CUMULATIVE FREQUENCY PLOT FOR TOXAPHENE

TABLE 3.4. FRESHWATER DATA SUMMARY--PESTICIDES

|            | Threshold<br>Concentration<br>(mg/kg) | Total Number<br>of Locations | Percent in<br>Level 1 | Percent in<br>Level 2 | Percent in<br>Level 3 | Percent in<br>Level 4 | Median<br>Concentration<br>(mg/kg) | 95th Percentile<br>Concentration<br>(mg/kg) | Maximum<br>Concentration<br>(mg/kg) |
|------------|---------------------------------------|------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------------|---------------------------------------------|-------------------------------------|
| aldrin     | 0.021                                 | 20,154                       | 97                    | 2                     | 0.5                   | 0.5                   | 0.0001                             | 0.003                                       | 1.97                                |
| chlordane  | 0.020                                 | 13,002                       | 77                    | 16                    | 5                     | 2                     | 0.001                              | 0.097                                       | 11.9                                |
| DDT        | 0.006                                 | 17,217                       | 89                    | 7                     | 3                     | 1                     | 0.0004                             | 0.015                                       | 15.0                                |
| heptachlor | 0.020                                 | 13,264                       | 98                    | 1                     | 0.5                   | 0.5                   | --                                 | 0.006                                       | 1.97                                |
| lindane    | 0.0124                                | 4,080                        | 96                    | 1                     | 2                     | 1.0                   | 0.0006                             | 0.012                                       | 1.19                                |
| toxaphene  | 0.020                                 | 12,653                       | 82                    | 14                    | 2                     | 2                     | --                                 | 0.044                                       | 19.5                                |

useful grouping for the present survey was by the Aroclor type. Due to the large number of Aroclors commercially produced, only Aroclor 1016 (1221) data were evaluated. This particular mixture contains a greater percentage of the lower chlorinated analogs than do other Aroclor mixtures and is more water soluble. The threshold criterion for Aroclor 1016 (1221) derived using Pavlou's approach (JRB Associates, 1984a) would therefore be lower than for PCBs as a group. To maintain consistency between the freshwater and marine areas, a threshold value of 0.28 mg/kg, based on hexachlorobiphenyl, was arbitrarily applied.

The STORET data base for Aroclor 1016 (1221) in sediments consists of 917 measurements. The log concentration-cumulative frequency plot is shown in Figure 3.21. Approximately 18 percent of the data falls above Level 1. Seven percent of the stations are classified as Level 2, 8 percent of the stations are in the Level 3 range and 3 percent are in Level 4.

Once again, alternative EPA and USGS criteria for total PCBs have been proposed. These criteria range from 0.02 mg/kg to 10 mg/kg using the USGS and EPA criteria, respectively. At the lower end of this range, approximately 60 percent of the stations would have exceeded the Level 1 classification if this criterion were employed. At the upper end, only a small number of measurements (0.4 percent) would be classified as Level 2.

Considerable generic and site specific evidence has been accumulated regarding the toxic environmental effects of PCBs (Nisbet, 1976). In situ or in vivo studies that tested the effects of sediment-absorbed PCBs on biota were not found. Aquatic insects whose life stages include periods of time in or on the sediments appear to be very sensitive to PCB exposure. In this respect, it must be remembered that all of these toxicity data are based on aqueous concentrations and, therefore, may not be indicative of the toxicity of sediment-adsorbed PCB. However, sediment-adsorbed PCBs are available to freshwater and marine benthic organisms (Neff, 1984) and therefore can be expected to be toxic to them as well.

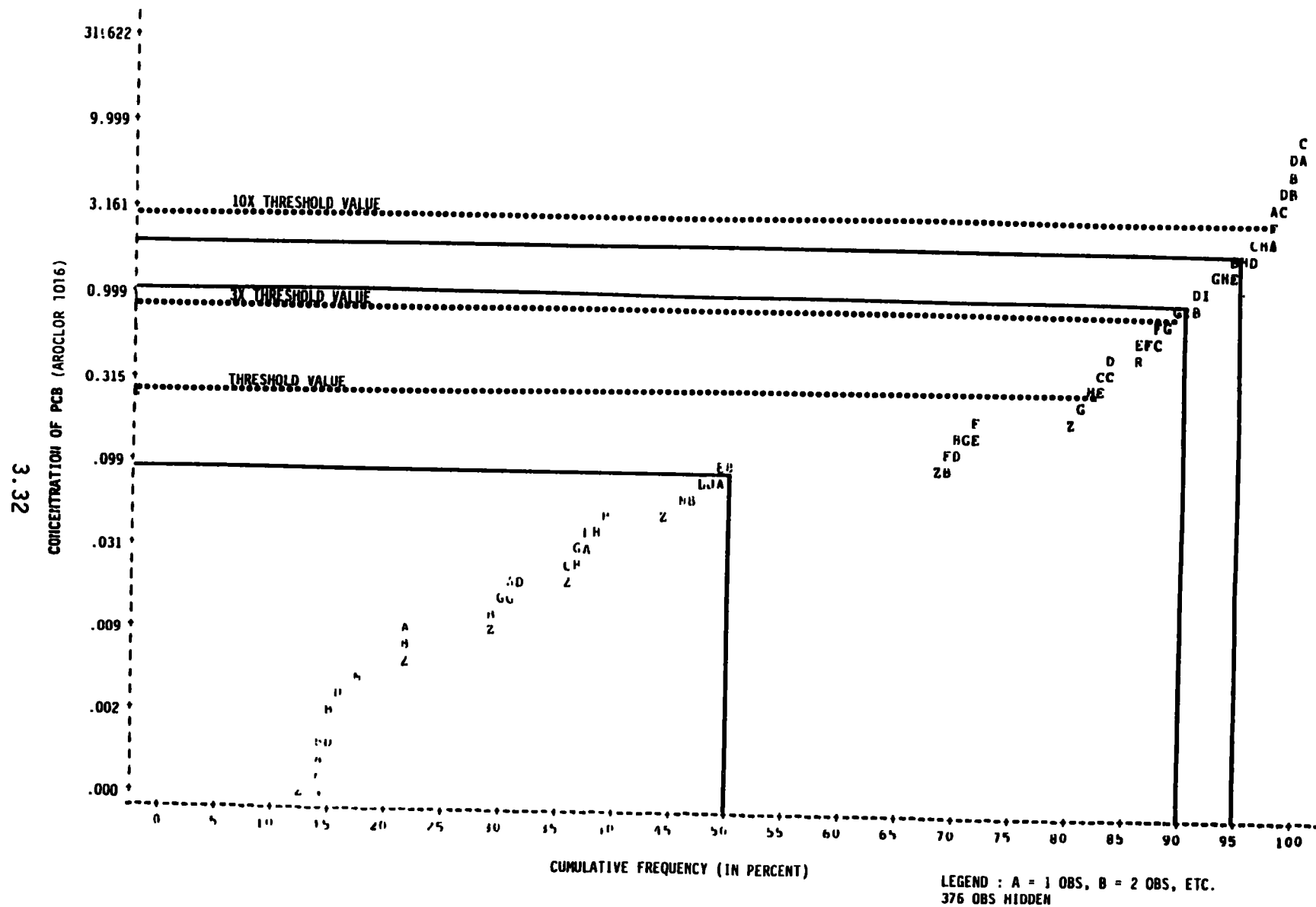


FIGURE 3.21 CUMULATIVE FREQUENCY PLOT FOR PCB

This data gap highlights two implications for the application of a chemical partitioning approach. One, if water quality criteria are to be used, the criteria should be specifically based on assays which include benthic organisms as one of the tested species. Two, solid phase bioassays should be considered as a way to assess ingestive routes of exposure. If such bioassays are economically or technically prohibitive, then it would seem reasonable from a regulatory standpoint to apply a factor to account for the percentage of uptake due to non-aqueous exposure.

### 3.6 MONOAROMATIC HYDROCARBONS

Insufficient STORET data were available to adequately analyze any compounds in this chemical category.

### 3.7 MISCELLANEOUS

The only chemical not easily classified into one of the other six categories was cyanide. Although usually thought of as a concern in the water column due to solubility as free cyanide or soluble complexes, there is nevertheless some tendency for cyanide to occur in some situations with cations of lower solubility, thereby allowing for the possibility of sediment accumulation.

The STORET data base consisted of 1,175 measurements of cyanide salts in sediments of which 63 percent were at or below the 0.1 mg/kg threshold (Figure 3.22). This value indicates a substantial portion of the STORET data base falls within Levels 2 and 3. These points are equally distributed between Levels 2 and 3. In addition, 17 percent of the data is classified in Level 4. Other criteria for cyanide have placed the threshold level as high as 100 mg/kg which would result in about 1.5 percent of the data being in the upper three levels.

The historical lack of concern about accumulation of cyanide in sediments has led to a paucity of field and laboratory research concerning the effects threshold appropriate to benthic organisms. In the limited review of the literature, no surveys were found that were indicative of what these threshold values might be.

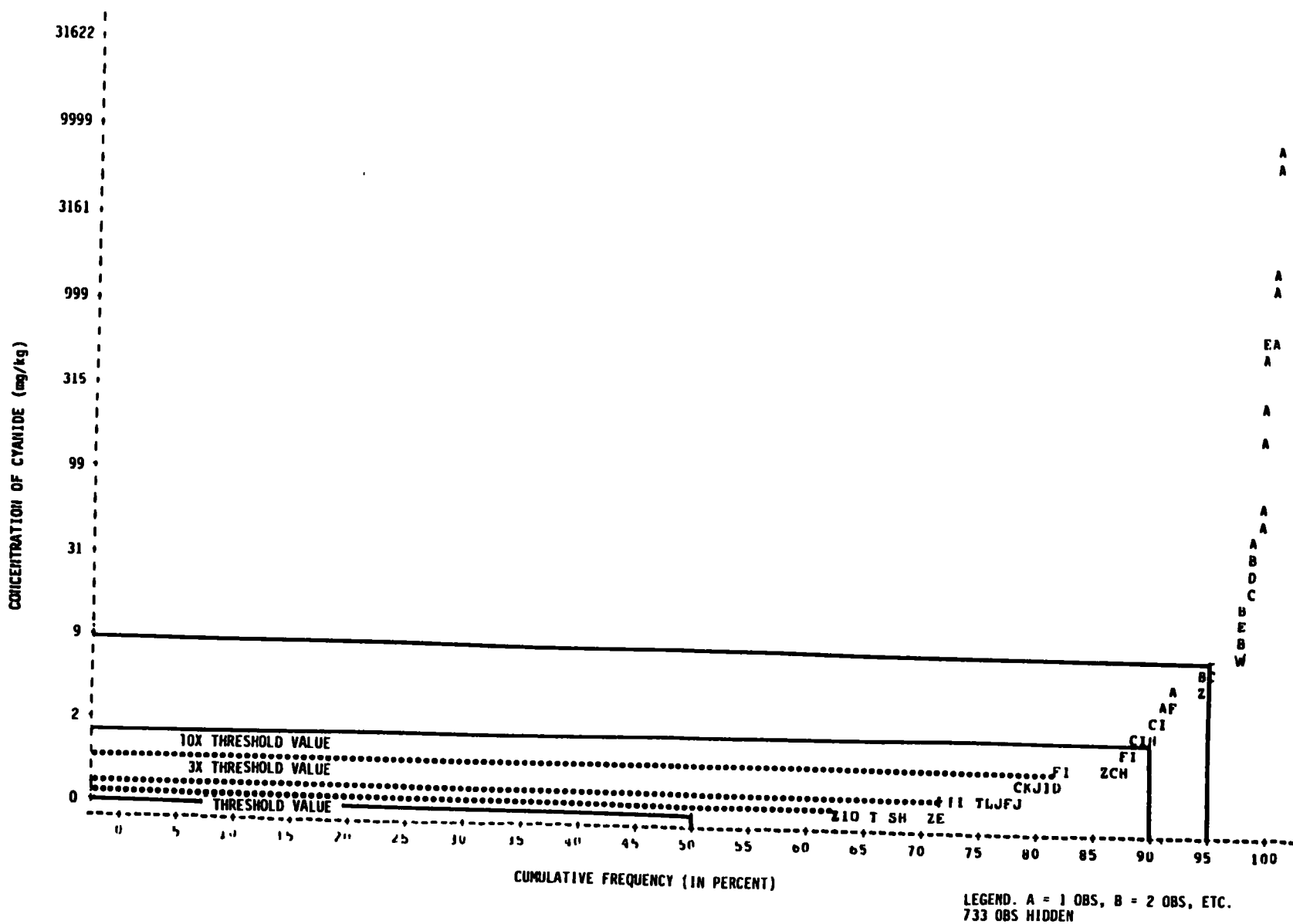


FIGURE 3.22 CUMULATIVE FREQUENCY PLOT FOR CYANIDE

#### 4.0 RESULTS AND DISCUSSION--MARINE/ESTUARINE

To evaluate the status of sediment quality of various marine and estuarine locations, concentrations of chemicals of interest in sediments were compared with the defined sediment quality criteria discussed in Sections 2.1 and 2.2. The marine data base was treated in the same manner as the freshwater data base.

With special regard to the marine/estuarine data base, it is necessary to reiterate several disadvantages of the equilibrium partitioning approach to derive sediment quality criteria, identified by JRB Associates (1984b). These disadvantages include:

1. Synergistic interactions among various chemicals are not known, and are difficult to quantify;
2. The role of environmental variables (e.g., sediment organic carbon content, pH, and redox potential) on the chemical behavior of chemical pollutants in sediments often is understood and cannot be quantified;
3. The bioavailable fraction of the total sediment pollutant concentration frequently is unknown.

The following disadvantage could be added:

4. The carcinogenicity and mutagenicity of several PAH compounds is not taken into consideration (e.g., that of indeno(1,2,3-CD)pyrene and benzo(a)pyrene).

It should also be pointed out that severe biological effects have been documented in several cases. These effects could be attributed to sediment contamination, even though concentrations of individual pollutants did not reach alarming levels. As noted earlier, this discrepancy may be the result of an inherent problem in using non-site-specific sediment quality criteria and ignoring possible additive or synergistic actions among multiple contaminants. Several such instances have been documented in the Puget Sound and New York Bight regions (Mayer, 1982; Malins, 1980).

Biological effects data were better correlated with site-specific sediment pollutant concentration data in the marine/estuarine literature than for freshwater data sets. The limited number of marine/estuarine data points for each chemical do not permit the generation of cumulative frequency plots or extensive statistical analyses more suitable to the extensive freshwater chemical data sets. An enhanced tabulation of the marine/estuarine data provides an overall perspective of the sediment quality status in these environments.

#### 4.1 METALS AND ORGANIC CONTAMINANTS

An estimation of the status of the sediment quality of various marine and estuarine sites in the continental United States was based on first-cut sediment quality criteria using the equilibrium partitioning approach as discussed in Section 2.1. As an exception, polynuclear aromatic hydrocarbon contamination was estimated using the background approach for sediment quality criteria. A sediment total PAH concentration of 1 ppm dry weight was chosen, in this case, as the cut-off value between non-polluted and slightly polluted sediments. Selection of this value was based upon data contained in a publication by Hites et al. (1980), entitled "Polycyclic Aromatic Hydrocarbons in Marine/Aquatic Sediments: Their Ubiquity." Provisional sediment quality criteria using the equilibrium partitioning approach are expressed on the basis of organic carbon, rather than total sediment mass.

As previously discussed, to allow comparison of these criteria with reported sediment concentrations of metals and organic contaminants, calculation of the sediment threshold concentrations were based on 4 percent organic carbon in sediments. This estimate of organic carbon content is on the high side for most marine sediments, and its use throughout this document has an important effect on the threshold values used to determine sediment quality status. If 2 percent organic carbon had been chosen as a national average, the threshold levels would have been half as high, and more sites would have been identified above the threshold value.

## 4.2 NATIONAL PERSPECTIVE

The results of this limited literature search on the national status of the sediment quality in marine/estuarine waters are summarized in three sets of figures--Figures 4.1, 4.2, and 4.3. These figures provide information to assist the reader in assessing the quality status of marine and estuarine sediments of coastal states for each of the various groups of chemicals. Chemical groups were merged where appropriate, to enhance data presentation. In Figures 4.1, 4.2 and 4.3, the concentration ranges are grouped and presented as symbols which denote the quality status of the various sites (See Section 2.2). Whenever a discrepancy was found in overlapping data sets, the data denoting a higher concentrations of the chemical were selected. In addition to visualizing the sediment quality status of specific marine and estuarine sites for various compounds, Figures 4.1, 4.2 and 4.3 also clearly indicate the general paucity of data for nationwide marine and estuarine areas, with the exception of certain classes of compounds such as PAH, PCB, and metals.

The complete data set for coastal sites is presented in Tables 4.1, 4.2 and 4.3. Sediments of marine/estuarine sites containing levels of chemical exceeding the threshold values identified in Table 2.1 were analyzed by including as much specific information as available in the data base. The numerical designations contained under the column headings (underlined in text) on Tables 4.1, 4.2, and 4.3 are indicated as follows:

- Sample location
- Name of the chemical, including a numerical value designating the category (Cat.) to which the chemical belongs, i.e., 1) polynuclear aromatic hydrocarbons; 2) pesticides; 3) other chlorinated hydrocarbons; 4) aromatic hydrocarbons; 5) phthalates; and 6) metals
- The chemical concentration, (Concentr.) including units in mg/kg dry weight; Range of values found, and an indication whether mean or median concentrations were used
- The concentration status (Stat.), identifying whether the sample location was characterized as level 2, 3, or 4, using criteria discussed in Sections 2.1 and 2.2.
- Any recorded biological effect: 1) tissue or whole organism concentrations of the chemicals, 2) a change in species diversity

- ## AROMATIC HYDROCARBONS

Acenaphthalene  
Acenaphthene  
Anthracene  
Benzene  
Benzo (a) anthracene  
Benzo (a) pyrene  
Benzo (k) fluoranthene  
Chrysene  
Dinitrotoluene  
Ethylbenzene  
Fluorene  
Indeno (1,2,3) pyrene  
Naphthalene  
Nitrobenzene  
Phenanthrene  
Pyrene  
Toluene  
PAH

#### 4.4

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| <p>• = NO VALUE AVAILABLE</p> <p>• = LEVEL 1</p> <p>○ = LEVEL 2</p> <p>① = LEVEL 3</p> <p>● = LEVEL 4</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | <div> <div>PESTICIDES</div> <div> Aldrin<br/>Chlordane<br/>DDD<br/>DDE<br/>DDT<br/>Heptachlor<br/>Isophorone<br/>Lindane<br/>Toxaphene </div> </div> <div> <div>OTHER CHLORINATED HYDROCARBONS</div> <div> Dichlorobenzene<br/>Hexachlorobutadiene<br/>Hexachloroethane<br/>Methylchloride<br/>Methylenechloride<br/>Tetrachloroethylene<br/>Trichloroethylene<br/>PCBs </div> </div> |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <p><b>CALIFORNIA</b></p> <p>Palos Verdes, Whites Point Outfall<br/>L.A. County, Wastewater Treatment Plant<br/>San Francisco Bay<br/>Malibu Lagoon<br/>Palos Verdes, JWPCP Outfall System</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <p><b>CONNECTICUT</b></p> <p>Naugatuck River at Ansonia<br/>New Haven Harbor<br/>Connecticut River at Hartford<br/>Housatonic River at Stamford<br/>Connecticut River at East Haddam<br/>Connecticut River at Middle Haddam<br/>Hockanum River at East Hartford<br/>New Haven Harbor<br/>Stamford Harbor<br/>Thames River near Mohegan<br/>Pawcatuck River near Pawcatuck<br/>Connecticut River at Middletown<br/>Quinnipiac River at North Haven</p>                                                                                                                                                                                                                                                                                                                                                                    |  |                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <p><b>DELAWARE</b></p> <p>Delaware River<br/>Philadelphia Sewage Sludge Site<br/>Atlantic Ocean</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <p><b>FLORIDA</b></p> <p>Fort Lauderdale, South at New River<br/>Fort Lauderdale, North of New River<br/>St. George Sound<br/>St. John's River<br/>Choctawhatchee Bay<br/>Caloosahatchee River<br/>Caloosahatchee Estuary<br/>South Biscayne Bay, Turkey Point<br/>Biscayne Bay<br/>Indian River, South of Titusville<br/>Big Pine Key<br/>Perdido River<br/>Perdido Bay<br/>Boynton Beach<br/>Escambia Bay<br/>Tampa Bay<br/>Appalachicola Bay<br/>Sebastian River, Melbourne<br/>Santa Rosa Sound, Manatee Point<br/>Tomoka River<br/>Boca Raton, Canal E-4<br/>East Bay, Tampa<br/>Halifax River<br/>East Bay, Bay River<br/>Pine Island Sound<br/>St. Joe Bay<br/>Amelia River<br/>Estero Bay<br/>St. Andrews Bay, Panama City<br/>Blackwater Bay<br/>Crescent Beach Bridge<br/>Peace River<br/>Roosevelt Bridge</p> |  |                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <p><b>LOUISIANA</b></p> <p>Mississippi Delta<br/>Lake Pontchartrain</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |  |  |  |  |  |  |

FIGURE 4.2. PESTICIDES AND OTHER CHLORINATED HYDROCARBONS

|                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                     |   |
|-----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
| <p>• = NO VALUE AVAILABLE</p> <p>• = LEVEL 1</p> <p>⊙ = LEVEL 2</p> <p>⊖ = LEVEL 3</p> <p>● = LEVEL 4</p> | <p><b>PESTICIDES</b></p> <p>Aldrin</p> <p>Chlordane</p> <p>DDD</p> <p>DDE</p> <p>DDT</p> <p>Heptachlor</p> <p>Isophorone</p> <p>Lindane</p> <p>Toxaphene</p> <p><b>OTHER CHLORINATED HYDROCARBONS</b></p> <p>Dichlorobenzene</p> <p>Hexachlorobutadiene</p> <p>Hexachloroethane</p> <p>Methylchloride</p> <p>Methylenechloride</p> <p>Tetrachloroethylene</p> <p>Trichloroethylene</p> <p>PCB's</p> |   |
|                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                     |   |
| <b>MASSACHUSETTS</b>                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                     |   |
| Massachusetts Bay                                                                                         | •                                                                                                                                                                                                                                                                                                                                                                                                   | • |
| Buzzards Bay                                                                                              | •                                                                                                                                                                                                                                                                                                                                                                                                   | • |
| Boston Harbor                                                                                             | •                                                                                                                                                                                                                                                                                                                                                                                                   | • |
| <b>MARYLAND</b>                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                     |   |
| Chesapeake Bay                                                                                            | •                                                                                                                                                                                                                                                                                                                                                                                                   | • |
| <b>MAINE</b>                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                     |   |
| Penobscot Bay                                                                                             | •                                                                                                                                                                                                                                                                                                                                                                                                   | • |
| Portland, Including Back Cove & Fore River                                                                | •                                                                                                                                                                                                                                                                                                                                                                                                   | • |
| Casco Bay, Portland Harbor                                                                                | •                                                                                                                                                                                                                                                                                                                                                                                                   | • |
| <b>NEW JERSEY</b>                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                     |   |
| Newark Bay                                                                                                | •                                                                                                                                                                                                                                                                                                                                                                                                   | • |
| Kill Van Kull                                                                                             | •                                                                                                                                                                                                                                                                                                                                                                                                   | • |
| Manasquan at Allen Wood                                                                                   | •                                                                                                                                                                                                                                                                                                                                                                                                   | • |
| Raritan Bay                                                                                               | •                                                                                                                                                                                                                                                                                                                                                                                                   | • |
| Millica River at Pleasant Mills                                                                           | •                                                                                                                                                                                                                                                                                                                                                                                                   | • |
| Hackensack River                                                                                          | •                                                                                                                                                                                                                                                                                                                                                                                                   | • |
| Sandy Hook Bay                                                                                            | •                                                                                                                                                                                                                                                                                                                                                                                                   | • |
| <b>NEW YORK</b>                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                     |   |
| Hudson River                                                                                              | •                                                                                                                                                                                                                                                                                                                                                                                                   | • |
| N.Y. Bight, Sewage Sludge Dumpsite                                                                        | •                                                                                                                                                                                                                                                                                                                                                                                                   | • |
| N.Y. Bight, Dredge Spoil Dumpsite                                                                         | •                                                                                                                                                                                                                                                                                                                                                                                                   | • |
| Pierhead Channel                                                                                          | •                                                                                                                                                                                                                                                                                                                                                                                                   | • |
| New York Bight Apex                                                                                       | •                                                                                                                                                                                                                                                                                                                                                                                                   | • |
| Gowanus Canal                                                                                             | •                                                                                                                                                                                                                                                                                                                                                                                                   | • |
| Lower Bay                                                                                                 | •                                                                                                                                                                                                                                                                                                                                                                                                   | • |
| Newton Creek                                                                                              | •                                                                                                                                                                                                                                                                                                                                                                                                   | • |
| Raritan Bay                                                                                               | •                                                                                                                                                                                                                                                                                                                                                                                                   | • |
| Arthur Kill                                                                                               | •                                                                                                                                                                                                                                                                                                                                                                                                   | • |
| Christiansen Basin                                                                                        | •                                                                                                                                                                                                                                                                                                                                                                                                   | • |
| Upper Bay                                                                                                 | •                                                                                                                                                                                                                                                                                                                                                                                                   | • |
| East River                                                                                                | •                                                                                                                                                                                                                                                                                                                                                                                                   | • |
| Sandy Hook                                                                                                | •                                                                                                                                                                                                                                                                                                                                                                                                   | • |
| Outer N.Y. Bight                                                                                          | •                                                                                                                                                                                                                                                                                                                                                                                                   | • |
| N.Y. Bight, Hudson Canyon                                                                                 | •                                                                                                                                                                                                                                                                                                                                                                                                   | • |
| <b>TEXAS</b>                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                     |   |
| Espirito Santo Bay                                                                                        | •                                                                                                                                                                                                                                                                                                                                                                                                   | • |
| Carancahna Bay                                                                                            | •                                                                                                                                                                                                                                                                                                                                                                                                   | • |
| San Luis Pass                                                                                             | •                                                                                                                                                                                                                                                                                                                                                                                                   | • |
| Keller Bay                                                                                                | •                                                                                                                                                                                                                                                                                                                                                                                                   | • |
| Corpus Christi, Inner Harbor                                                                              | •                                                                                                                                                                                                                                                                                                                                                                                                   | • |
| San Antonio Bay                                                                                           | •                                                                                                                                                                                                                                                                                                                                                                                                   | • |
| Aransas Bay                                                                                               | •                                                                                                                                                                                                                                                                                                                                                                                                   | • |
| Sabine River                                                                                              | •                                                                                                                                                                                                                                                                                                                                                                                                   | • |
| Matagorda Bay                                                                                             | •                                                                                                                                                                                                                                                                                                                                                                                                   | • |
| Buffalo Bayou                                                                                             | •                                                                                                                                                                                                                                                                                                                                                                                                   | • |
| Laguna Madre                                                                                              | •                                                                                                                                                                                                                                                                                                                                                                                                   | • |
| Redfish Bay, Conn Brown Harbor                                                                            | •                                                                                                                                                                                                                                                                                                                                                                                                   | • |
| Nueces Bay                                                                                                | •                                                                                                                                                                                                                                                                                                                                                                                                   | • |
| Brownsville Ship Channel                                                                                  | •                                                                                                                                                                                                                                                                                                                                                                                                   | • |
| Guadalupe Estuary                                                                                         | •                                                                                                                                                                                                                                                                                                                                                                                                   | • |
| Baffin Bay                                                                                                | •                                                                                                                                                                                                                                                                                                                                                                                                   | • |
| San Jacinto Estuary                                                                                       | •                                                                                                                                                                                                                                                                                                                                                                                                   | • |
| Lavaca-Tres Palacios Estuary                                                                              | •                                                                                                                                                                                                                                                                                                                                                                                                   | • |
| Taylor Bayou, Neches River                                                                                | •                                                                                                                                                                                                                                                                                                                                                                                                   | • |
| Trinity Bay                                                                                               | •                                                                                                                                                                                                                                                                                                                                                                                                   | • |

FIGURE 4.2. (Continued)



|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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| <div><div>• = NO VALUE AVAILABLE</div><div>◦ = LEVEL 1</div><div>⊙ = LEVEL 2</div><div>⦿ = LEVEL 3</div><div>● = LEVEL 4</div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <div><div>METALS</div><div>Arsenic</div><div>Cadmium</div><div>Chromium</div><div>Copper</div><div>Lead</div><div>Mercury</div><div>Nickel</div><div>Zinc</div><div>PHTHALATES</div><div>Butylbenzyl phthalate</div><div>Diethylphthalate</div><div>Dimethylphthalate</div><div>Di-N-butylphthalate</div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               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| <div><div>CALIFORNIA</div><div>Palos Verdes Outfall Zone</div><div>Joint Water Pollution Control Monitoring Zone</div><div>San Francisco Bay, Beemar Point</div><div>L.A. City Hyperion Outfall</div><div>Lower Newport Bay</div><div>Bolsa Bay, Outer Bay</div><div>Bolsa Bay, Inner Bay</div><div>Oceanside</div><div>Huntington Harbor</div><div>Santa Barbara</div><div>Point Conception</div><div>Dana Point</div><div>Dana Point Harbor</div><div>San Diego</div><div>Bolsa Bay Flood Channel</div><div>CONNECTICUT</div><div>New Haven Harbor</div><div>Cedar Creek at Black Rock</div><div>Black Rock</div><div>Pawcatuck River at Pawcatuck</div><div>Mystic River Estuary</div><div>Quinnipiac River</div><div>DELAWARE</div><div>Philadelphia "Ocean Dumpsite"</div><div>Philadelphia "Ocean Controls"</div><div>FLORIDA</div><div>Perdido Bay</div><div>St. Johns River</div><div>Turkey Point</div><div>Card Sound</div><div>GEORGIA</div><div>Savanna, Ogeechee, Altamaha and Satilla Rivers</div><div>LOUISIANA</div><div>Mississippi River Delta</div><div>Lake Pontchartrain</div><div>MASSACHUSETTS</div><div>Boston Harbor</div><div>Acushnet Estuary</div><div>Buzzards Bay</div><div>MARYLAND</div><div>Patapsco Estuary, Baltimore Harbor</div><div>Chesapeake Bay</div><div>Black River off Chesapeake Bay</div><div>MAINE</div><div>Portland Including Black Cove and Fore River</div><div>NEW JERSEY</div><div>Kill Van Kull</div><div>Arthur Kill</div><div>Newark Bay</div><div>N.Y. Bight, Cellar Dirt Dump Site</div><div>Atlantic Ocean, off Long Branch</div><div>Sandy Hook, Raritan Bay</div><div>Atlantic Ocean, off Bradley Beach</div><div>Atlantic Ocean, off Belmar</div><div>Great Bay</div><div>Atlantic Ocean, near Sandy Hook</div><div>Hackensack River near Hackensack</div></div> | <div><div>•</div><div>◦</div><div>◦</div><div>◦</div><div>◦</div><div>◦</div><div>◦</div><div>◦</div><div>◦</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><div>•</div><di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FIGURE 4.3. METALS AND PHTHALATES

• = NO VALUE AVAILABLE

• = LEVEL 1

○ = LEVEL 2

⊙ = LEVEL 3

● = LEVEL 4

|                                     | METALS  |         |          |        |      |         |        |      |  |  | PHTHALATES            |                  |                   |                     |
|-------------------------------------|---------|---------|----------|--------|------|---------|--------|------|--|--|-----------------------|------------------|-------------------|---------------------|
|                                     | Arsenic | Cadmium | Chromium | Copper | Lead | Mercury | Nickel | Zinc |  |  | Butylbenzyl phthalate | Diethylphthalate | Dimethylphthalate | Di-N-butylphthalate |
| <b>NEW YORK</b>                     |         |         |          |        |      |         |        |      |  |  |                       |                  |                   |                     |
| Raritan Bay                         | •       | •       | •        | •      | •    | •       | •      | •    |  |  | •                     | •                | •                 | •                   |
| Arthur Kill                         | •       | •       | •        | •      | •    | •       | •      | •    |  |  | •                     | •                | •                 | •                   |
| Lower Hudson River                  | •       | •       | •        | •      | •    | •       | •      | •    |  |  | •                     | •                | •                 | •                   |
| Hudson Estuary                      | •       | •       | •        | •      | •    | •       | •      | •    |  |  | •                     | •                | •                 | •                   |
| Upper New York Bay                  | •       | •       | •        | •      | •    | •       | •      | •    |  |  | •                     | •                | •                 | •                   |
| New York Harbor                     | •       | •       | •        | •      | •    | •       | •      | •    |  |  | •                     | •                | •                 | •                   |
| N.Y. Bight, Sewage Sludge Dumpsite  | •       | •       | •        | •      | •    | •       | •      | •    |  |  | •                     | •                | •                 | •                   |
| Long Island Sound, Branford Harbor  | •       | •       | •        | •      | •    | •       | •      | •    |  |  | •                     | •                | •                 | •                   |
| N.Y. Bight, Dredge Spoil Dumpsite   | •       | •       | •        | •      | •    | •       | •      | •    |  |  | •                     | •                | •                 | •                   |
| N.Y. Bight, Hudson Shelf            | •       | •       | •        | •      | •    | •       | •      | •    |  |  | •                     | •                | •                 | •                   |
| Atlantic Ocean, off Long Island     | •       | •       | •        | •      | •    | •       | •      | •    |  |  | •                     | •                | •                 | •                   |
| Off Long Island and New Jersey      | •       | •       | •        | •      | •    | •       | •      | •    |  |  | •                     | •                | •                 | •                   |
| <b>RHODE ISLAND</b>                 |         |         |          |        |      |         |        |      |  |  |                       |                  |                   |                     |
| Providence River                    | •       | •       | •        | •      | •    | •       | •      | •    |  |  | •                     | •                | •                 | •                   |
| Narragansett Bay                    | •       | •       | •        | •      | •    | •       | •      | •    |  |  | •                     | •                | •                 | •                   |
| Fix Island                          | •       | •       | •        | •      | •    | •       | •      | •    |  |  | •                     | •                | •                 | •                   |
| Rhode Island Sound Dumpsite         | •       | •       | •        | •      | •    | •       | •      | •    |  |  | •                     | •                | •                 | •                   |
| <b>SOUTH CAROLINA</b>               |         |         |          |        |      |         |        |      |  |  |                       |                  |                   |                     |
| Charleston Harbor                   | •       | •       | •        | •      | •    | •       | •      | •    |  |  | •                     | •                | •                 | •                   |
| Winyah Bay, Coastal Rivers          | •       | •       | •        | •      | •    | •       | •      | •    |  |  | •                     | •                | •                 | •                   |
| St. Helena Sound                    | •       | •       | •        | •      | •    | •       | •      | •    |  |  | •                     | •                | •                 | •                   |
| Ashepoo River                       | •       | •       | •        | •      | •    | •       | •      | •    |  |  | •                     | •                | •                 | •                   |
| Foster Creek                        | •       | •       | •        | •      | •    | •       | •      | •    |  |  | •                     | •                | •                 | •                   |
| <b>TEXAS</b>                        |         |         |          |        |      |         |        |      |  |  |                       |                  |                   |                     |
| Colorado River                      | •       | •       | •        | •      | •    | •       | •      | •    |  |  | •                     | •                | •                 | •                   |
| Corpus Christi Harbor               | •       | •       | •        | •      | •    | •       | •      | •    |  |  | •                     | •                | •                 | •                   |
| Corpus Christi Channel              | •       | •       | •        | •      | •    | •       | •      | •    |  |  | •                     | •                | •                 | •                   |
| Corpus Christi Bay                  | •       | •       | •        | •      | •    | •       | •      | •    |  |  | •                     | •                | •                 | •                   |
| Texas City Channel                  | •       | •       | •        | •      | •    | •       | •      | •    |  |  | •                     | •                | •                 | •                   |
| Freeport Ship Channel               | •       | •       | •        | •      | •    | •       | •      | •    |  |  | •                     | •                | •                 | •                   |
| Aransas Pass Turning Basin          | •       | •       | •        | •      | •    | •       | •      | •    |  |  | •                     | •                | •                 | •                   |
| Houston Ship Channel                | •       | •       | •        | •      | •    | •       | •      | •    |  |  | •                     | •                | •                 | •                   |
| Conn. Brown Harbor                  | •       | •       | •        | •      | •    | •       | •      | •    |  |  | •                     | •                | •                 | •                   |
| Sabine-Neces Line, Jefferson        | •       | •       | •        | •      | •    | •       | •      | •    |  |  | •                     | •                | •                 | •                   |
| S.E. Point Comfort, Cox Bay         | •       | •       | •        | •      | •    | •       | •      | •    |  |  | •                     | •                | •                 | •                   |
| Gulf of Mexico Shelf                | •       | •       | •        | •      | •    | •       | •      | •    |  |  | •                     | •                | •                 | •                   |
| Laquinta Ship Channel, Nueces River | •       | •       | •        | •      | •    | •       | •      | •    |  |  | •                     | •                | •                 | •                   |
| Mesquite Bay, Nueces River          | •       | •       | •        | •      | •    | •       | •      | •    |  |  | •                     | •                | •                 | •                   |
| Esperito Santo Bay                  | •       | •       | •        | •      | •    | •       | •      | •    |  |  | •                     | •                | •                 | •                   |
| Christmas Bay                       | •       | •       | •        | •      | •    | •       | •      | •    |  |  | •                     | •                | •                 | •                   |
| San Antonio Bay, Victoria Channel   | •       | •       | •        | •      | •    | •       | •      | •    |  |  | •                     | •                | •                 | •                   |
| Nueces Bay                          | •       | •       | •        | •      | •    | •       | •      | •    |  |  | •                     | •                | •                 | •                   |
| Laguna Madre, Rio Grande            | •       | •       | •        | •      | •    | •       | •      | •    |  |  | •                     | •                | •                 | •                   |
| Matagorda Bay, Palacios Channel     | •       | •       | •        | •      | •    | •       | •      | •    |  |  | •                     | •                | •                 | •                   |
| East Matagorda Bay                  | •       | •       | •        | •      | •    | •       | •      | •    |  |  | •                     | •                | •                 | •                   |
| Keller Bay, South of Olivia         | •       | •       | •        | •      | •    | •       | •      | •    |  |  | •                     | •                | •                 | •                   |
| Tres Palacios Bay                   | •       | •       | •        | •      | •    | •       | •      | •    |  |  | •                     | •                | •                 | •                   |
| Brownsville Ship Channel            | •       | •       | •        | •      | •    | •       | •      | •    |  |  | •                     | •                | •                 | •                   |
| San Luis Pass                       | •       | •       | •        | •      | •    | •       | •      | •    |  |  | •                     | •                | •                 | •                   |
| <b>WASHINGTON</b>                   |         |         |          |        |      |         |        |      |  |  |                       |                  |                   |                     |
| Budd Inlet                          | •       | •       | •        | •      | •    | •       | •      | •    |  |  | •                     | •                | •                 | •                   |
| Commencement Bay                    | •       | •       | •        | •      | •    | •       | •      | •    |  |  | •                     | •                | •                 | •                   |
| Sinclair Inlet                      | •       | •       | •        | •      | •    | •       | •      | •    |  |  | •                     | •                | •                 | •                   |
| Elliot Bay                          | •       | •       | •        | •      | •    | •       | •      | •    |  |  | •                     | •                | •                 | •                   |
| Port Madison                        | •       | •       | •        | •      | •    | •       | •      | •    |  |  | •                     | •                | •                 | •                   |
| Case Inlet                          | •       | •       | •        | •      | •    | •       | •      | •    |  |  | •                     | •                | •                 | •                   |
| Duwamish River Estuary              | •       | •       | •        | •      | •    | •       | •      | •    |  |  | •                     | •                | •                 | •                   |
| Bellingham Bay                      | •       | •       | •        | •      | •    | •       | •      | •    |  |  | •                     | •                | •                 | •                   |
| McCalister Creek                    | •       | •       | •        | •      | •    | •       | •      | •    |  |  | •                     | •                | •                 | •                   |

FIGURE 4.3. (Continued)

TABLE 4.1. COASTAL U.S. REGIONS CONTAINING SINGLE POLLUTANTS AT CONCENTRATIONS EXCEEDING PROVISIONAL SEDIMENT THRESHOLD VALUES BY MORE THAN TEN-FOLD (LEVEL 4)

| STATE | LOCATION                               | CONTAMINANT | CONCENTR. | UNITS | MEAN | MED. | RANGE     | CAT. | STAT. | EFFECT | REFERENCE                       |
|-------|----------------------------------------|-------------|-----------|-------|------|------|-----------|------|-------|--------|---------------------------------|
| CA    | L.A. COUNTY, WASTEWTR TREAT. PLANT     | DDT         | 0.191     | MG/KG | I    |      |           | 2    | 4     | 6      | GOSSETT, R.W., 1983             |
| CA    | PALOS VERDES, WHITES POINT OUTFALL     | DDT         | 0.66      | MG/KG |      | I    |           | 2    | 4     | 1      | YOUNG, D.R., 1982               |
| CA    | PALOS VERDES PENN., JNCP OUTFALL SYST. | DDT         | 140       | MG/KG |      | I    | 100-280   | 2    | 4     | 1      | SHOKLER ET AL., 1979            |
| CA    | PALOS VERDES PENN., WHITES PT. OUTFALL | DDT         | 90        | MG/KG |      | I    | 7.3-130   | 2    | 4     | 1      | STEPHENSON ET AL., 1975         |
| CA    | SAN FRANCISCO BAY, BEEMAR POINT        | CADMIUM     | 1000      | MG/PG |      | I    |           | 6    | 4     | 6      | STORET                          |
| CA    | L.A. CITY, HYPERION OUTFALL            | CHROMIUM    | 280       | MG/KG | I    |      | -1300     | 6    | 4     | 1      | YOUNG, D.R., 1982               |
| CA    | JOINT WATER POLL. CONTRL. MONTRNG ZONE | CHROMIUM    | 510       | MG/KG | I    |      | -1500     | 6    | 4     | 1      | YOUNG, D.R., 1982               |
| CA    | PALOS VERDES SHELF                     | CHROMIUM    | 1100      | MG/KG |      | I    | 1000-1300 | 6    | 4     | 1      | SHERWOOD, N.J., 1982            |
| CT    | QUINNIPIAC RIVER                       | MERCURY     | 322       | MG/KG |      | I    |           | 6    | 4     | 6      | STORET                          |
| MA    | CHARLES RIVER, BOSTON                  | PAH         | 87        | MG/KG |      |      |           | 1    | 4     | 6      | DEITER ET AL., 1981             |
| MA    | BOSTON HARBOR                          | PAH         | 12        | MG/KG | I    |      | 24-880    | 1    | 4     | 1      | BOEHM ET AL., 1984              |
| MA    | CHARLES RIVER, BOSTON                  | PAH         | 87        | MG/KG | I    |      |           | 1    | 4     | 6      | HITES ET AL., 1980              |
| MA    | CHARLES RIVER, BOSTON                  | PAH         | 120       | MG/KG |      |      |           | 1    | 4     | 1      | HINDS, J.G. & R.A. HITES, 1979  |
| MA    | ACUSHNET RIVER/NEW BEDFORD HBR         | PCBS        | 181.00    | MG/PG | I    |      | 5-900     | 3    | 4     | 1      | HALL, ET AL., 1983              |
| MA    | ACUSHNET RIVER                         | COPPER      | 7500      | MG/KG |      | I    | 3000-7500 | 6    | 4     | 1      | FORSTNER & WHITTMANN, 1979      |
| MD    | PATAPSCO ESTUARY, BALTIMORE HARBOR     | CHROMIUM    | 490       | MG/KG | I    |      |           | 6    | 4     | 6      | HEIZ, G.P., 1976                |
| NJ    | ARTHUR KILL                            | PAH         | 12        | MG/KG | I    |      |           | 1    | 4     | 6      | BOEHM, P.D., 1980               |
| NJ    | NEWARK BAY                             | PAH         | 40        | MG/KG | I    |      |           | 1    | 4     | 6      | BOEHM, P.D., 1980               |
| NJ    | NEWARK BAY                             | PCBS        | 5.68      | MG/PG |      |      |           | 3    | 4     | 1      | RUBINSTEIN, M.I. ET AL., 1984   |
| NY    | NEW YORK BIGHT                         | PAH         | 76        | MG/KG |      | I    | 4-4240    | 1    | 4     | 6      | DOONS, C.B. & J.P. THOMAS, 1979 |
| NY    | EAST RIVER                             | PAH         | 49        | MG/KG | I    |      |           | 1    | 4     | 6      | BOEHM, P.D., 1980               |
| NY    | NEWTON CREEK                           | TOTAL PAH   | 182       | MG/KG | I    |      |           | 1    | 4     | 1      | O'CONNOR ET AL., 1982           |
| NY    | GOMANUS CANAL                          | TOTAL PAH   | 16.4      | MG/PG | I    |      |           | 1    | 4     | 1      | O'CONNOR ET AL., 1982           |
| NY    | LOWER BAY                              | TOTAL PAH   | 9.9       | MG/PG | I    |      |           | 1    | 4     | 1      | O'CONNOR ET AL., 1982           |
| NY    | SEWAGE SLUDGE DUMPSITE                 | DDT         | 0.084     | MG/KG | I    |      | 047-120   | 2    | 4     | 1      | O'CONNOR ET AL., 1982           |
| NY    | HUDSON RIVER (NY HBR TO KM 240)        | PCBS        | 22.2      | MG/KG | I    |      | 0.5-60    | 3    | 4     | 1      | O'CONNOR ET AL., 1982           |
| NY    | HUDSON RIVER                           | PCBS        | 70        | MG/PG |      |      | 0.5-140   | 3    | 4     | 1      | O'CONNOR ET AL., 1982           |
| NY    | HUDSON RIVER: NYC - INDIAN POINT       | PCBS        | 5         | MG/KG | I    |      | 0.5-26    | 3    | 4     | 6      | BOEHM ET AL., 1984              |
| RI    | PROVIDENCE RIVER                       | CHROMIUM    | 428       | MG/KG | I    |      |           | 6    | 4     | 1      | BOPP ET AL., 1981               |
| TX    | CORPUS CHRISTI CHANNEL                 | MERCURY     | 18        | MG/KG |      |      |           | 6    | 4     | 1      | EISLER, R. ET AL., 1977         |
| WA    | PUGET SOUND: COMMENCEMENT WATERWAYS    | PAH         | 13        | MG/KG | I    |      | 0.3-50.8  | 1    | 4     | 1      | NEFF, ET AL., 1978              |
| WA    | PUGET SOUND: DUMANISH WATERWAY         | PAH         | 10.3      | MG/KG | I    |      | 1.59-29.3 | 1    | 4     | 1      | MALINS ET AL., 1980             |
| WA    | PUGET SOUND: WEST POINT                | PAH         | 44.7      | MG/KG | I    |      |           | 1    | 4     | 1      | MALINS ET AL., 1980             |
| WA    | PUGET SOUND: SEATTLE WATERFRONT        | PAH         | 10.7      | MG/KG | I    |      | 0.33-49.3 | 1    | 4     | 1      | MALINS ET AL., 1980             |
| WA    | PUGET SOUND: HYLEBOS WATERWAY          | PAH         | 16        | MG/KG | I    |      | 0.83-47.2 | 1    | 4     | 1      | MALINS ET AL., 1980             |
| WA    | PUGET SOUND: COMMENCEMENT BAY          | ARSENIC     | 470       | MG/KG | I    |      |           | 6    | 4     | 1      | MALINS ET AL., 1980             |

TABLE 4.2. COASTAL U.S. REGIONS CONTAINING SINGLE POLLUTANTS AT CONCENTRATIONS EXCEEDING PROVISIONAL SEDIMENT THRESHOLD VALUES BY THREE- TO TEN-FOLD (LEVEL 3)

| STATE | LOCATION                                | CONTAMINANT | CONCENTR. | UNITS | MEAN | RED. | RANGE      | CAT. | STAT. | EFFECT | REFERENCE                     |
|-------|-----------------------------------------|-------------|-----------|-------|------|------|------------|------|-------|--------|-------------------------------|
| CA    | L.A. COUNTY, WASTEWATER TREAT. PLANT    | PCBS        | 0.934     | MG/KG | 1    |      |            | 3    | 3     | 6      | GOSSETT, R.W., 1983           |
| CA    | PALOS VERDES PEN, LA COUNTY             | CHROMIUM    | 260       | MG/KG |      | 1    | 109-1480   | 6    | 3     | 1      | HERSHELMAN, G.P. ET AL., 1981 |
| CA    | PALOS VERDES SHELF                      | COPPER      | 620       | MG/KG |      | 1    | 570-650    | 6    | 3     | 1      | SHEPWOOD, H.J., 1982          |
| CA    | PALOS VERDES SHELF                      | LEAD        | 410       | MG/KG |      | 1    | 360-440    | 6    | 3     | 1      | SHEPWOOD, H.J., 1982          |
| CA    | LOWER NEWPORT BAY                       | MERCURY     | 3.3       | MG/KG |      | 1    | 1.2-5.7    | 6    | 3     | 6      | STORET                        |
| CA    | PALOS VERDES SHELF                      | NICKEL      | 81        | MG/KG |      | 1    | 76-91      | 6    | 3     | 1      | SHEPWOOD, H.J., 1982          |
| CA    | JOINT WATER POLL. CONTRL. MONTRNG ZONE  | NICKEL      | 64        | MG/KG | 1    |      | -130       | 6    | 3     | 1      | YOUNG, D.R., 1982             |
| CT    | CEDAR CREEK AT BLACK ROCK               | LEAD        | 930       | MG/KG |      | 1    |            | 6    | 3     | 6      | STORET                        |
| NJ    | PILL VAN KULL                           | PAH         | 8.7       | MG/KG | 1    |      |            | 1    | 3     | 6      | BOEHM, P.D., 1980             |
| NJ    | NEWARK BAY                              | PCBS        | 1.6       | MG/KG | 1    | 1    |            | 3    | 3     | 1      | BOEHM ET AL., 1984            |
| NJ    | ARTHUR KILL                             | LEAD        | 1027      | MG/KG | 1    |      |            | 6    | 3     | 1,2    | BRETELER, R., ET AL., 1983    |
| NJ    | ARTHUR KILL                             | MERCURY     | 4         | MG/KG | 1    |      |            | 6    | 3     | 1,2    | BRETELER, R., ET AL., 1983    |
| NJ    | KILL VAN KULL                           | MERCURY     | 4         | MG/KG | 1    |      |            | 6    | 3     | 1,2    | BRETELER, R., ET AL., 1983    |
| NJ    | NEWARK BAY                              | MERCURY     | 8         | MG/KG | 1    |      |            | 6    | 3     | 1,2    | BRETELER, R., ET AL., 1983    |
| NY    | RARITAN BAY WEST                        | PAH         | 13        | MG/KG | 1    |      |            | 1    | 3     | 6      | BOEHM, P.D., 1980             |
| NY    | NEW YORK BIGHT                          | PAH         | 5.8       | MG/KG | 1    |      |            | 1    | 3     | 6      | HITES ET AL., 1980            |
| NY    | NEW YORK BIGHT REG: CHRISTIAENSEN BASIN | TOTAL PAH   | 6         | MG/KG | 1    |      |            | 1    | 3     | 1      | O'CONNOR ET AL., 1982         |
| NY    | PIERHEAD CHANNEL                        | TOTAL PAH   | 3.2       | MG/KG | 1    |      |            | 1    | 3     | 1      | O'CONNOR ET AL., 1982         |
| NY    | LOWER BAY                               | ODT         | 0.04      | MG/KG | 1    |      |            | 2    | 3     | 1      | O'CONNOR ET AL., 1982         |
| NY    | NEW YORK BIGHT: SEWAGE SLUDGE DEPOSIT   | PCBS        | 1.13      | MG/KG |      | 1    | 0.06-2.2   | 3    | 3     | 1      | BOEHM ET AL., 1984            |
| NY    | PIERHEAD CHANNEL                        | PCBS        | 1         | MG/KG | 1    |      |            | 3    | 3     | 1      | O'CONNOR ET AL., 1982         |
| NY    | GONAVUS CANAL                           | PCBS        | 2         | MG/KG | 1    |      |            | 3    | 3     | 1      | O'CONNOR ET AL., 1982         |
| NY    | ARTHUR KILL                             | PCBS        | 1.7       | MG/KG |      | 1    | 0.32-3     | 3    | 3     | 1      | BOEHM ET AL., 1984            |
| NY    | NEW YORK BIGHT SEWAGE SLUDGE DUMPSITE   | PCBS        | 1.5       | MG/KG |      |      |            | 3    | 3     | 6      | WEST, R.H. & HATCHER, 1980    |
| NY    | SEWAGE SLUDGE DUMPSITE                  | PCBS        | 2         | MG/KG | 1    |      |            | 3    | 3     | 1      | O'CONNOR ET AL., 1982         |
| NY    | NEW YORK BIGHT                          | PCBS        | 0.92      | MG/KG | 1    |      |            | 3    | 3     | 1      | ENGLER, P.H. ET AL., 1981     |
| NY    | NEW YORK BIGHT: DREDGE SITE             | CHROMIUM    | 110       | MG/KG | 1    |      | -310       | 6    | 3     | 6      | YOUNG, D.R., 1982             |
| NY    | NEW YORK BIGHT "DREDGE SPOILS"          | CHROMIUM    | 102       | MG/KG | 1    |      |            | 6    | 3     | 6      | EISLER, P. ET AL., 1977       |
| NY    | NEW YORK BIGHT "SEWAGE SITE"            | CHROMIUM    | 102       | MG/KG | 1    |      |            | 6    | 3     | 6      | EISLER, P. ET AL., 1977       |
| NY    | RARITAN BAY                             | CHROMIUM    | 130       | MG/KG |      |      | 2-260      | 6    | 3     | 1,2    | BRETELER, R., ET AL., 1983    |
| NY    | NEW YORK BIGHT: SLUDGE SITE             | CHROMIUM    | 110       | MG/KG | 1    |      | -110       | 6    | 3     | 6      | YOUNG, D.P., 1982             |
| NY    | NEW YORK BIGHT: SEWAGE SLUDGE           | CHROMIUM    | 183       | MG/KG | 1    |      |            | 6    | 3     | 1,2,3  | STEINLE ET AL., 1982          |
| NY    | NEW YORK BIGHT: DREDGE SPOIL DUMPSITE   | CHROMIUM    | 101       | MG/KG | 1    |      |            | 6    | 3     | 1,2,3  | STEINLE ET AL., 1982          |
| NY    | RARITAN BAY                             | COPPER      | 615       | MG/KG |      |      | 11.6-1230  | 6    | 3     | 1,2    | BRETELER, R., ET AL., 1983    |
| NY    | LOWER HUDSON RIVER                      | LEAD        | 850       | MG/KG | 1    |      |            | 6    | 3     | 1,2    | BRETELER, R., ET AL., 1983    |
| NY    | RARITAN BAY                             | LEAD        | 500       | MG/KG |      |      | 1-985      | 6    | 3     | 1,2    | BRETELER, R., ET AL., 1983    |
| NY    | NEW YORK HARBOR                         | MERCURY     | 3.49      | MG/KG |      | 1    | 2.71-34.89 | 6    | 3     | 1      | RUBINSTEIN, M.I. ET AL., 1983 |
| NY    | ARTHUR KILL                             | MERCURY     | 7.1       | MG/KG |      | 1    | 1.7-31     | 6    | 3     | 6      | STORET                        |
| RI    | NARRAGANSETT BAY                        | CHROMIUM    | 170       | MG/KG | 1    |      |            | 6    | 3     | 6      | GOLDBERG ET AL., 1977         |
| RI    | PROVIDENCE RIVER                        | COPPER      | 1915      | MG/KG | 1    |      |            | 6    | 3     | 1      | EISLER, P. ET AL., 1977       |
| TX    | TEXAS CITY CHANNEL                      | CHROMIUM    | 188       | MG/KG |      |      |            | 6    | 3     | 1      | NEFF, ET AL., 1978            |
| TX    | HOUSTON SHIP CHANNEL                    | CHROMIUM    | 137       | MG/KG |      |      |            | 6    | 3     | 1      | NEFF, ET AL., 1978            |
| TX    | CORPUS CHRISTI CHANNEL                  | CHROMIUM    | 82        | MG/KG |      |      |            | 6    | 3     | 1      | NEFF, ET AL., 1978            |
| TX    | CORPUS CHRISTI, INNER HARBOR            | LEAD        | 588       | MG/KG |      | 1    |            | 6    | 3     | 6      | STORET                        |
| TX    | CONN. BROWN HARBOR                      | MERCURY     | 4         | MG/KG |      | 1    |            | 6    | 3     | 6      | STORET                        |
| TX    | CORPUS CHRISTI CHANNEL                  | ZINC        | 4053      | MG/KG |      |      |            | 6    | 3     | 1      | NEFF, ET AL., 1978            |
| TX    | CORPUS CHRISTI HARBOR                   | ZINC        | 5500      | MG/KG | 1    |      | 224-11000  | 6    | 3     | 6      | EISLER, R. ET AL., 1977       |
| WA    | PUGET SOUND: SINCLAIR INLET             | PAH         | 6.2       | MG/KG | 1    |      | 1.45-17.7  | 1    | 3     | 1      | NALINS ET AL., 1980           |
| WA    | PUGET SOUND: SW COMMENCEMENT BAY        | PAH         | 5.8       | MG/KG | 1    |      | 0.266-16.8 | 1    | 3     | 1      | NALINS ET AL., 1980           |
| WA    | HYLEBOS, BLAIR, & COMMENCEMENT MTS      | PAH         | 9.371     | MG/KG |      | 1    | 1.805-28.3 | 1    | 3     | 1,2    | RILEY ET AL., 1981            |
| WA    | HARBOR ISLAND, WEST END, PUGET SOUND    | PCBS        | 2.5       | MG/KG |      | 1    |            | 3    | 3     | 6      | STORET                        |
| WA    | PUGET SOUND: HYLEBOS                    | PCBS        | 0.5       | MG/KG | 1    |      | 0.027-1.2  | 3    | 3     | 1      | NALINS ET AL., 1980           |
| WA    | COMMENCEMENT BAY                        | ARSENIC     | 235       | MG/KG |      | 1    | 1.6-470    | 6    | 3     | 1      | LONG, 1982                    |

TABLE 4.3. COASTAL U.S. REGIONS CONTAINING SINGLE POLLUTANTS AT CONCENTRATIONS EXCEEDING PROVISIONAL SEDIMENT THRESHOLD VALUES BY ONE- TO THREE-FOLD (LEVEL 2)

| STATE | LOCATION                               | CONTAMINANT | CONCENTR. | UNITS | MEAN | MED. | RANGE      | CAT. | STAT. | EFFECT | REFERENCE                     |
|-------|----------------------------------------|-------------|-----------|-------|------|------|------------|------|-------|--------|-------------------------------|
| CA    | PALOS VERDES SHELF                     | CADMIUM     | 52        | MG/KG |      | X    | 4-57       | 6    | 2     | 1      | SHERWOOD, H.J., 1982          |
| CA    | OCEANSIDE                              | CHROMIUM    | 79.6      | MG/KG | X    |      |            | 6    | 2     | 6      | KATZ, A. & I.R. KAPLAN, 1981  |
| CA    | PALOS VERDES                           | CHROMIUM    | 47        | MG/KG | X    |      | 57 0-52.5  | 6    | 2     | 6      | KATZ, A. & I.R. KAPLAN, 1981  |
| CA    | POINT CONCEPTION                       | CHROMIUM    | 42.3      | MG/KG | X    |      |            | 6    | 2     | 6      | KATZ, A. & I.R. KAPLAN, 1981  |
| CA    | SANTA BARBARA                          | CHROMIUM    | 46.9      | MG/KG | X    |      | 26.8-66.7  | 6    | 2     | 6      | KATZ, A. & I.R. KAPLAN, 1981  |
| CA    | JOINT WATER POLL. CONTRL. MNTNG ZONE   | COPPER      | 280       | MG/KG | X    |      | -940       | 6    | 2     | 1      | YOUNG, D.R., 1982             |
| CA    | L.A. CITY, HYPERION OUTFALL            | COPPER      | 300       | MG/KG | X    |      | -1000      | 6    | 2     | 1      | YOUNG, D.R., 1982             |
| CA    | PALOS VERDES PEN, LA COUNTY            | COPPER      | 164       | MG/KG | X    |      | 14-937     | 6    | 2     | 1      | YOUNG, D.R., 1982             |
| CA    | JOINT WATER POLL. CONTRL. MNTNG ZONE   | LEAD        | 290       | MG/KG | X    |      | -580       | 6    | 2     | 1      | YOUNG, D.P., 1982             |
| CA    | PALOS VERDES PEN, LA COUNTY            | MERCURY     | 1         | MG/KG | X    |      | 0 13-5.4   | 6    | 2     | 1      | YOUNG, D.P., 1982             |
| CA    | LOWER NEWPORT BAY                      | MERCURY     | 1.2       | MG/KG | X    |      | 0.3-5.7    | 6    | 2     | 6      | STORET                        |
| CA    | JOINT WATER POLL. CONTRL. MNTNG ZONE   | MERCURY     | 1.7       | MG/KG | X    |      | -5.4       | 6    | 2     | 1      | YOUNG, D.R., 1982             |
| CA    | L.A. CITY, HYPERION OUTFALL            | MERCURY     | 1.7       | MG/KG | X    |      | -6.1       | 6    | 2     | 1      | YOUNG, D.R., 1982             |
| CA    | PALOS VERDES PEN, LA COUNTY            | NICKEL      | 52        | MG/KG | X    |      | 16-134     | 6    | 2     | 1      | YOUNG, D.R., 1982             |
| CA    | SANTA BARBARA                          | NICKEL      | 21        | MG/KG | X    |      | 14 0-29.3  | 6    | 2     | 6      | KATZ, A. & I.R. KAPLAN, 1981  |
| CA    | L.A. CITY, HYPERION OUTFALL            | NICKEL      | 58        | MG/KG | X    |      | -170       | 6    | 2     | 1      | YOUNG, D.R., 1982             |
| CA    | OCEANSIDE                              | NICKEL      | 23.7      | MG/KG | X    |      |            | 6    | 2     | 6      | KATZ, A. & I.R. KAPLAN, 1981  |
| CA    | PALOS VERDES SHELF                     | ZINC        | 1700      | MG/KG | X    |      | 1600-1900  | 6    | 2     | 1      | YOUNG, D.R., 1982             |
| CT    | NAUGATUCK RIVER AT ANSONIA             | PCBS        | 0.37      | MG/KG | X    |      |            | 3    | 2     | 6      | SHERWOOD, H.J., 1982          |
| CT    | NEW HAVEN                              | MERCURY     | 1.5       | MG/KG |      |      | 0.25-1.5   | 6    | 2     | 1      | STORET                        |
| CT    | CEDAR CREEK AT BLACK ROCK              | MERCURY     | 0.8       | MG/KG | X    |      |            | 6    | 2     | 6      | FORSTNER & WHITTMANN, 1979    |
| CT    | BLACK ROCK                             | MERCURY     | 0.8       | MG/KG | X    |      |            | 6    | 2     | 6      | STORET                        |
| CT    | CEDAR CREEK AT BLACK ROCK              | ZINC        | 1500      | MG/KG | X    |      |            | 6    | 2     | 6      | STORET                        |
| DE    | DELAWARE RIVER (MP 50)                 | PCBS        | 0.46      | MG/KG | X    |      |            | 6    | 2     | 6      | STORET                        |
| FL    | ST. JOHNS RIVER                        | LEAD        | 145       | MG/KG | X    |      |            | 3    | 2     | 6      | BOPP ET AL., 1981             |
| FL    | ST. JOHNS RIVER                        | MERCURY     | 0.85      | MG/KG | X    |      |            | 6    | 2     | 6      | STORET                        |
| FL    | TURKEY POINT                           | NICKEL      | 25        | MG/KG | X    |      |            | 6    | 2     | 6      | STORET                        |
| LA    | MISSISSIPPI RIVER DELTA                | NICKEL      | 42        | MG/KG | X    |      |            | 6    | 2     | 6      | EISLER, R. ET AL., 1977       |
| LA    | MISSISSIPPI RIVER DELTA                | NICKEL      | 40        | MG/KG | X    |      |            | 6    | 2     | 6      | PRESLEY, B.J. ET AL., 1980    |
| MA    | CAPE COD BAY                           | PAH         | 1.3       | MG/KG | X    |      |            | 1    | 2     | 6      | PRESLEY, B.J. ET AL., 1980    |
| MA    | BOSTON HARBOR                          | MERCURY     | 2.1       | MG/KG | X    |      | .300-6.700 | 6    | 2     | 6      | HITES ET AL., 1980            |
| MD    | CHESAPEAKE BAY                         | CHROMIUM    | 25        | MG/KG | X    |      |            | 6    | 2     | 1      | STORET                        |
| MD    | PATAPSCO ESTUARY: BALTIMORE HARBOR     | COPPER      | 240       | MG/KG | X    |      |            | 6    | 2     | 6      | HELTZ, G.P., 1976             |
| MD    | PATAPSCO ESTUARY: BALTIMORE HARBOR     | LEAD        | 340       | MG/KG | X    |      |            | 6    | 2     | 6      | HELTZ, G.P., 1976             |
| MD    | CHESAPEAKE BAY                         | NICKEL      | 26        | MG/KG | X    |      |            | 6    | 2     | 1      | HELTZ, G.P., 1976             |
| MD    | PATAPSCO ESTUARY: BALTIMORE HARBOR     | NICKEL      | 36        | MG/KG | X    |      |            | 6    | 2     | 6      | HELTZ, G.P., 1976             |
| MD    | PATAPSCO ESTUARY: BALTIMORE HARBOR     | ZINC        | 930       | MG/KG | X    |      |            | 6    | 2     | 6      | HELTZ, G.P., 1976             |
| NJ    | KILL VAN KULL                          | PCBS        | 0.37      | MG/KG | X    |      |            | 3    | 2     | 6      | HELTZ, G.P., 1976             |
| NJ    | NEWARK BAY                             | PCBS        | 0.39      | MG/KG | X    |      |            | 3    | 2     | 6      | BOEHM, P.D., 1980             |
| NJ    | SANDY HOOK/RARITAN BAY                 | CHROMIUM    | 53        | MG/KG | X    |      | 38-55      | 6    | 2     | 1      | BOEHM, P.D., 1980             |
| NJ    | NEWARK BAY                             | LEAD        | 267       | MG/KG | X    |      |            | 6    | 2     | 1,2    | SHERWOOD, H.J., 1982          |
| NJ    | NYB, CELLAR DIRT DUMP SITE             | LEAD        | 200       | MG/KG | X    |      | 126-280    | 6    | 2     | 6      | BRETELER, R., ET AL., 1985    |
| NJ    | KILL VAN KULL                          | LEAD        | 368       | MG/KG | X    |      |            | 6    | 2     | 6      | STORET                        |
| NJ    | ATL. OCEAN OFF LONG BRANCH             | MERCURY     | 1.48      | MG/KG | X    |      | 0.95-2.5   | 6    | 2     | 1,2    | BRETELER, R., ET AL., 1985    |
| NJ    | NYB, CELLAR DIRT DUMP SITE             | MERCURY     | 2.3       | MG/KG | X    |      | 1.3-3.3    | 6    | 2     | 6      | STORET                        |
| NJ    | ATL. OCEAN OFF BRADLEY BEACH           | MERCURY     | 1.00      | MG/KG | X    |      |            | 6    | 2     | 6      | STORET                        |
| NJ    | ARTHUR KILL                            | ZINC        | 847       | MG/KG | X    |      |            | 6    | 2     | 6      | STORET                        |
| NJ    | NEWTON CREEK                           | NAPHTHALENE | 120       | MG/KG | X    |      |            | 6    | 2     | 1,2    | BRETELER, R., ET AL., 1985    |
| NY    | SEWAGE SLUDGE DUMPSITE                 | TOTAL PAH   | 1.1       | MG/KG | X    |      |            | 1    | 2     | 1      | O'CONNOR ET AL., 1982         |
| NY    | HUD-RARITAN EST: 15KM N OF THE BATTERY | TOTAL PAH   | 2         | MG/KG | X    |      |            | 1    | 2     | 1      | O'CONNOR ET AL., 1982         |
| NY    | CHRISTIAENSEN BASIN                    | DDT         | 0.16      | MG/KG | X    |      |            | 2    | 2     | 1      | O'CONNOR ET AL., 1982         |
| NY    | HUDSON RIVER (FROM KM 15-66)           | DDT         | 0.015     | MG/KG | X    |      | .010-.015  | 2    | 2     | 1      | O'CONNOR ET AL., 1982         |
| NY    | DREDGED MATERIALS DUMPSITE             | DDT         | 0.009     | MG/KG | X    |      |            | 2    | 2     | 1      | O'CONNOR ET AL., 1982         |
| NY    | NEW YORK BIGHT (SEWAGE SLUDGE DEPOSIT) | PCBS        | 0.4       | MG/KG | X    |      | 0.60-2.2   | 3    | 2     | 6      | O'CONNOR ET AL., 1982         |
| NY    | LOWER BAY                              | PCBS        | 0.7       | MG/KG | X    |      |            | 3    | 2     | 1      | BOEHM, P.D., 1981             |
| NY    | NEW YORK HARBOR                        | PCBS        | 0.715     | MG/KG | X    |      | 0.46-7.28  | 3    | 2     | 1      | BOEHM ET AL., 1984            |
| NY    | UPPER BAY                              | PCBS        | 0.27      | MG/KG | X    |      | 0.15-0.40  | 3    | 2     | 1      | RUBINSTEIN, M.I. ET AL., 1983 |
| NY    | DREDGED MATERIALS DUMPSITE             | PCBS        | 0.4       | MG/KG | X    |      |            | 3    | 2     | 1      | BOEHM ET AL., 1984            |
| NY    | CHRISTIAENSEN BASIN                    | PCBS        | 0.7       | MG/KG | X    |      |            | 3    | 2     | 1      | O'CONNOR ET AL., 1982         |
| NY    | NEWTON CREEK                           | PCBS        | 0.4       | MG/KG | X    |      |            | 3    | 2     | 1      | O'CONNOR ET AL., 1982         |
| NY    | CHRISTIAENSEN BASIN                    | PCBS        | 0.75      | MG/KG | X    |      | 0.05-1.5   | 3    | 2     | 1      | O'CONNOR ET AL., 1982         |
| NY    | NEW YORK BIGHT (DREDGE SPOIL DEPOSIT)  | PCBS        | 0.62      | MG/KG | X    |      | .005- 400  | 3    | 2     | 6      | BOEHM ET AL., 1984            |
| NY    | RARITAN BAY                            | PCBS        | 0.58      | MG/KG | X    |      | 0.27-0.5   | 3    | 2     | 1      | BOEHM, P.D., 1981             |
| NY    | ARTHUR KILL                            | ARSENIC     | 50        | MG/KG | X    |      | 18-140     | 6    | 2     | 6      | BOEHM ET AL., 1984            |
| NY    | NEW YORK BIGHT APEI DUMP AREA          | CHROMIUM    | 52        | MG/KG | X    |      | 44-55      | 6    | 2     | 1      | STORET                        |
| NY    | NEW YORK BIGHT: SLUDGE SITE            | COPPER      | 140       | MG/KG | X    |      | -240       | 6    | 2     | 6      | SHERWOOD, H.J., 1982          |
| NY    | LOWER HUDSON RIVER                     | COPPER      | 225       | MG/KG | X    |      |            | 6    | 2     | 6      | YOUNG, D.R., 1982             |
| NY    | NEW YORK BIGHT "DREDGE SPOILS"         | COPPER      | 142       | MG/KG | X    |      | 8-395      | 6    | 2     | 1,2    | BRETELER, R., ET AL., 1985    |
| NY    | NEW YORK BIGHT: SEWAGE SLUDGE          | COPPER      | 220       | MG/KG | X    |      |            | 6    | 2     | 6      | EISLER, R. ET AL., 1977       |
| NY    | UPPER NEW YORK BAY                     | COPPER      | 214       | MG/KG | X    |      |            | 6    | 2     | 1,2,3  | STEINLE ET AL., 1982          |
| NY    | NEW YORK BIGHT "SEWAGE SITE"           | COPPER      | 142       | MG/KG | X    |      | 80-240     | 6    | 2     | 1,2    | BRETELER, R., ET AL., 1985    |
| NY    | NEW YORK BIGHT: DREDGE SITE            | COPPER      | 140       | MG/KG | X    |      | -390       | 6    | 2     | 6      | EISLER, R. ET AL., 1977       |
|       |                                        |             |           |       |      |      |            |      |       |        | YOUNG, D.R., 1982             |

TABLE 4.3. (Continued).

| STATE | LOCATION                               | CONTAMINANT | CONCENTR | UNITS | MEAN | NO. | RANGE        | CAT. | STAT. | EFFECT | REFERENCE                  |
|-------|----------------------------------------|-------------|----------|-------|------|-----|--------------|------|-------|--------|----------------------------|
| NY    | ARTHUR KILL                            | LEAD        | 340      | MG/KG |      | 1   | 220-1190     | 6    | 2     | 6      | STORET                     |
| NY    | NEW YORK BIGHT "DREDGE SPOILS"         | LEAD        | 147      | MG/KG | 1    |     | 75-372       | 6    | 2     | 6      | EISLER, R. ET AL., 1977    |
| NY    | LONG ISLAND SOUND BRANFORD HARBOR      | LEAD        | 265      | MG/KG | 1    |     |              | 6    | 2     | 6      | EISLER, R. ET AL., 1977    |
| NY    | NEW YORK BIGHT "SEWAGE SITE"           | LEAD        | 173      | MG/KG | 1    |     | 104-255      | 6    | 2     | 6      | LYONS & FITZGERALD, 1980   |
| NY    | NEW YORK BIGHT. SEWAGE SLUDGE          | LEAD        | 157      | MG/KG | 1    |     |              | 6    | 2     | 6      | STEINLE ET AL., 1982       |
| NY    | NEW YORK BIGHT: DREDGE SITE            | LEAD        | 143      | MG/KG | 1    |     | -370         | 6    | 2     | 1,2,3  | YOUNG, D.R., 1982          |
| NY    | UPPER NEW YORK BAY                     | LEAD        | 171      | MG/KG | 1    |     |              | 6    | 2     | 6      | BPETELER, R., ET AL., 1985 |
| NY    | NEW YORK BIGHT. SLUDGE SITE            | LEAD        | 170      | MG/KG | 1    |     | -260         | 6    | 2     | 1,2    | YOUNG, D.R., 1982          |
| NY    | NEW YORK BIGHT. SEWAGE SLUDGE DUMPSITE | MERCURY     | 1.51     | MG/KG | 1    |     | 0.18-4.90    | 6    | 2     | 6      | TIMOTHY & GRAVES, 1982     |
| NY    | NEW YORK BIGHT: SEWAGE SLUDGE          | NICKEL      | 29       | MG/KG | 1    |     |              | 6    | 2     | 1,2,3  | STEINLE ET AL., 1982       |
| NY    | NEW YORK BIGHT "SEWAGE SITE"           | NICKEL      | 23       | MG/KG | 1    |     | 15-37        | 6    | 2     | 6      | EISLER, P. ET AL., 1977    |
| NY    | NEW YORK BIGHT "DREDGE SPOILS"         | NICKEL      | 23       | MG/KG | 1    |     | 3-35         | 6    | 2     | 6      | EISLER, P. ET AL., 1977    |
| NY    | NEW YORK BIGHT: DREDGE SPOIL DUMPSITE  | NICKEL      | 20       | MG/KG | 1    |     |              | 6    | 2     | 1,2,3  | STEINLE ET AL., 1982       |
| NY    | NEW YORK BIGHT: DREDGE SITE            | NICKEL      | 24       | MG/KG | 1    |     | -35          | 6    | 2     | 6      | YOUNG, D.R., 1982          |
| NY    | RARITAN BAY                            | NICKEL      | 23       | MG/KG | 1    |     | 12-50        | 6    | 2     | 1,2    | BPETELER, R., ET AL., 1985 |
| NY    | NEW YORK BIGHT: SLUDGE SITE            | NICKEL      | 24       | MG/KG | 1    |     | -37          | 6    | 2     | 6      | YOUNG, D.R., 1982          |
| RI    | MARRAGANSETT BAY                       | CHROMIUM    | 46       | MG/KG | 1    |     | 13-81        | 6    | 2     | 1      | EISLER, R. ET AL., 1977    |
| RI    | RHODE ISLAND SOUND DUMPSITE            | CHROMIUM    | 32       | MG/KG | 1    |     |              | 6    | 2     | 1      | EISLER, R. ET AL., 1977    |
| RI    | FIX ISLAND                             | CHROMIUM    | 45       | MG/KG | 1    |     |              | 6    | 2     | 1      | EISLER, P. ET AL., 1977    |
| RI    | MARRAGANSETT BAY                       | COPPER      | 200      | MG/KG | 1    |     |              | 6    | 2     | 6      | GOLDBERG ET AL., 1977      |
| RI    | PROVIDENCE RIVER                       | LEAD        | 270      | MG/KG | 1    |     |              | 6    | 2     | 1      | EISLER, P. ET AL., 1977    |
| RI    | MARRAGANSETT BAY                       | NICKEL      | 30       | MG/KG | 1    |     |              | 6    | 2     | 6      | GOLDBERG ET AL., 1977      |
| RI    | PROVIDENCE RIVER                       | NICKEL      | 34       | MG/KG | 1    |     |              | 6    | 2     | 1      | EISLER, R. ET AL., 1977    |
| TX    | SAN LUIS PASS                          | PAH         | 2.068    | MG/KG |      | 1   | 0.430-28.850 | 1    | 2     | 6      | LARSON ET AL., 1983        |
| TX    | CORPUS CHRISTI, INNER HARBOR           | ARSENIC     | 35.9     | MG/KG |      | 1   |              | 6    | 2     | 6      | STORET                     |
| TX    | CORPUS CHRISTI HARBOR                  | CADMIUM     | 63       | MG/KG | 1    |     | 2.0-130.0    | 6    | 2     | 6      | EISLER, R. ET AL., 1977    |
| TX    | GULF OF MEXICO SHELF                   | CHROMIUM    | 49       | MG/KG | 1    |     | 36-66        | 6    | 2     | 6      | EISLER, R. ET AL., 1977    |
| TX    | FREEPORT SHIP CHANNEL                  | CHROMIUM    | 44       | MG/KG |      |     |              | 6    | 2     | 1      | NEFF, ET AL., 1978         |
| TX    | HOUSTON SHIP CHANNEL                   | LEAD        | 207      | MG/KG |      |     |              | 6    | 2     | 1      | NEFF, ET AL., 1978         |
| TX    | CORPUS CHRISTI CHANNEL                 | LEAD        | 316      | MG/KG |      |     |              | 6    | 2     | 1      | NEFF, ET AL., 1978         |
| TX    | S.E. POINT COMFORT, COX BAY            | MERCURY     | 1.1      | MG/KG |      | 1   |              | 6    | 2     | 6      | STORET                     |
| TX    | ARANSAS PASS, TURNING BASIN            | MERCURY     | 1        | MG/KG |      | 1   |              | 6    | 2     | 6      | STORET                     |
| TX    | SAN ANTONIO BAY, VICTORIA CHANNEL      | MERCURY     | 2.36     | MG/KG |      | 1   |              | 6    | 2     | 6      | STORET                     |
| TX    | CORPUS CHRISTI, INNER HARBOR           | MERCURY     | 2        | MG/KG |      | 1   | 1.0-5.0      | 6    | 2     | 6      | STORET                     |
| TX    | ESPERITO SANTO BAY                     | MERCURY     | 2.147    | MG/KG |      | 1   |              | 6    | 2     | 6      | STORET                     |
| TX    | ARANSAS PASS TURNING BASIN             | MERCURY     | 1.35     | MG/KG |      | 1   |              | 6    | 2     | 6      | STORET                     |
| TX    | FREEPORT SHIP CHANNEL                  | NICKEL      | 44       | MG/KG |      |     |              | 6    | 2     | 1      | NEFF, ET AL., 1978         |
| TX    | TEXAS CITY CHANNEL                     | NICKEL      | 48       | MG/KG |      |     |              | 6    | 2     | 1      | NEFF, ET AL., 1978         |
| TX    | HOUSTON SHIP CHANNEL                   | NICKEL      | 51       | MG/KG |      |     |              | 6    | 2     | 1      | NEFF, ET AL., 1978         |
| TX    | GULF OF MEXICO SHELF                   | NICKEL      | 29       | MG/KG | 1    |     | 10-23        | 6    | 2     | 6      | EISLER, R. ET AL., 1977    |
| TX    | CORPUS CHRISTI, INNER HARBOR           | ZINC        | 1970     | MG/KG |      | 1   | 339-8057     | 6    | 2     | 6      | STORET                     |
| TX    | FREEPORT SHIP CHANNEL                  | ZINC        | 201      | MG/KG |      |     |              | 6    | 2     | 1      | NEFF, ET AL., 1978         |
| WA    | PUGET SOUND: OUTLET ELLIOTT BAY        | PAH         | 1.9      | MG/KG | 1    |     | 0.214-3.79   | 1    | 2     | 1      | MALINS ET AL., 1980        |
| WA    | PUGET SOUND: ELLIOTT BAY               | PAH         | 1.3      | MG/KG | 1    |     |              | 1    | 2     | 6      | MALINS ET AL., 1980        |
| WA    | PUGET SOUND, SW OF NORMANDY PARK       | PCBS        | 0.33     | MG/KG |      | 1   |              | 3    | 2     | 6      | STORET                     |
| WA    | ELLIOTT BAY, PUGET SOUND               | PCBS        | 0.3      | MG/KG |      | 1   | 0.13-1.4     | 3    | 2     | 6      | STORET                     |
| WA    | PUGET SOUND: DUNAMISH WATERWAY         | PCBS        | 0.3      | MG/KG | 1    |     | 0.099-0.67   | 3    | 2     | 1      | MALINS ET AL., 1980        |
| WA    | PUGET SOUND: SEATTLE WATERFRONT        | PCBS        | 0.3      | MG/KG | 1    |     | 0.16-0.69    | 3    | 2     | 1      | MALINS ET AL., 1980        |
| WA    | HARBOR ISLAND, EAST END, PUGET SOUND   | PCBS        | 0.576    | MG/KG |      | 1   |              | 3    | 2     | 6      | STORET                     |
| WA    | ELLIOTT BAY                            | PCBS        | 0.325    | MG/KG | 1    |     |              | 3    | 2     | 6      | LONG, 1982                 |
| WA    | DUNAMISH WATERWAY, PUGET SOUND         | PCBS        | 0.31     | MG/KG |      | 1   | 0.15-2.4     | 3    | 2     | 6      | STORET                     |
| WA    | PUGET SOUND: BUDD INLET                | ARSENIC     | 98.5     | MG/KG |      |     | 57-140       | 6    | 2     | 1      | MALINS ET AL., 1980        |
| WA    | PUGET SOUND: ELLIOTT BAY               | ARSENIC     | 95       | MG/KG |      | 1   | 84-280       | 6    | 2     | 1      | MALINS ET AL., 1980        |
| WA    | PUGET SOUND: SINCLAIR INLET            | CHROMIUM    | 61       | MG/KG |      | 1   | 29-72        | 6    | 2     | 1      | MALINS ET AL., 1980        |
| WA    | PUGET SOUND: COMMENCEMENT BAY          | CHROMIUM    | 31       | MG/KG |      | 1   | 26-59        | 6    | 2     | 1      | MALINS ET AL., 1980        |
| WA    | DUNAMISH RIVER ESTUARY                 | CHROMIUM    | 43       | MG/KG |      | 1   | 29-57        | 6    | 2     | 1      | SHERWOOD, M.J., 1982       |
| WA    | PUGET SOUND: PORT MADISON              | CHROMIUM    | 34.5     | MG/KG | 1    |     |              | 6    | 2     | 1      | MALINS ET AL., 1980        |
| WA    | PUGET SOUND: CASE INLET                | CHROMIUM    | 37       | MG/KG | 1    |     | 21-53        | 6    | 2     | 1      | MALINS ET AL., 1980        |
| WA    | PUGET SOUND: ELLIOTT BAY               | CHROMIUM    | 42.3     | MG/KG |      | 1   | 28-70        | 6    | 2     | 1      | MALINS ET AL., 1980        |
| WA    | PUGET SOUND: BUDD INLET                | CHROMIUM    | 49       | MG/KG |      | 1   | 35-50        | 6    | 2     | 1      | MALINS ET AL., 1980        |
| WA    | PUGET SOUND: SINCLAIR INLET            | COPPER      | 140      | MG/KG |      | 1   | 47-180       | 6    | 2     | 1      | MALINS ET AL., 1980        |
| WA    | ELLIOTT BAY                            | LEAD        | 310      | MG/KG |      | 1   | 2.3-630      | 6    | 2     | 1      | LONG, 1982                 |
| WA    | PUGET SOUND: SINCLAIR INLET            | MERCURY     | 1.05     | MG/KG |      | 1   | .32-1.2      | 6    | 2     | 1      | MALINS ET AL., 1980        |
| WA    | BELLINGHAM BAY                         | MERCURY     | 1        | MG/KG |      | 1   | 0.02-1.9     | 6    | 2     | 1      | LONG, 1982                 |
| WA    | PUGET SOUND: COMMENCEMENT BAY          | NICKEL      | 27       | MG/KG |      | 1   | 10-64        | 6    | 2     | 1      | MALINS ET AL., 1980        |
| WA    | PUGET SOUND: BUDD INLET                | NICKEL      | 45       | MG/KG |      | 1   | 35-48        | 6    | 2     | 1      | MALINS ET AL., 1980        |
| WA    | PUGET SOUND: ELLIOTT BAY               | NICKEL      | 45       | MG/KG |      | 1   | 24-58        | 6    | 2     | 1      | MALINS ET AL., 1980        |
| WA    | PUGET SOUND: CASE INLET                | NICKEL      | 33       | MG/KG | 1    |     | 19-47        | 6    | 2     | 1      | MALINS ET AL., 1980        |
| WA    | PUGET SOUND: SINCLAIR INLET            | NICKEL      | 47.5     | MG/KG |      | 1   | 36-53        | 6    | 2     | 1      | MALINS ET AL., 1980        |
| WA    | PUGET SOUND: PORT MADISON              | NICKEL      | 52       | MG/KG | 1    |     |              | 6    | 2     | 1      | MALINS ET AL., 1980        |
| WA    | DUNAMISH RIVER ESTUARY                 | NICKEL      | 21       | MG/KG |      | 1   | 20-25        | 6    | 2     | 1      | SHERWOOD, M.J., 1982       |

resulting from sediment contamination, 3) the elimination of a species as a result of sediment contamination, and 6) notation if biological effects were not mentioned in the publication or report

- Reference, allowing identification of the report using the bibliography included with this workshop document.

Table 4.1 includes the marine sites with the highest concentrations of the chemicals of interest, based on the presence of one or more chemicals considered in this report at levels exceeding ten times the preliminary sediment threshold value as defined in Table 2.1 of this report. These areas include the Puget Sound region in Washington; the Corpus Christi area in Texas; the Providence River in Rhode Island; the New York Harbor region; Baltimore Harbor in Maryland; Boston Harbor and the Charles River in Boston, and the Acushnet River in New Bedford, Massachusetts; Blackrock Harbor, Connecticut; and the California Sewage Sludge Outfall area off Palos Verdes Peninsula. Tables 4.2 and 4.3 are lists of coastal areas which contain contaminant levels exceeding threshold values by 3-10 fold and 1-3 fold, respectively. All sites are listed alphabetically by state. Based on this data set, areas of sediment quality concern appear to be localized; the vast majority of marine sites are relatively unpolluted or unstudied. A more extensive data search should be conducted to substantiate these preliminary conclusions.

## 5.0 GEOGRAPHIC DATA

### 5.1 OVERVIEW

As described in the methodology section, freshwater and marine/estuarine data were taken from the tabular listings and placed on maps at two scales - national and regional. The data shown on the maps consist of Level 4 and all or a portion of the Level 3 data. Map locations for the data points are approximate. The regional maps allow further spatial detail and resolution of areas containing densely clustered points.

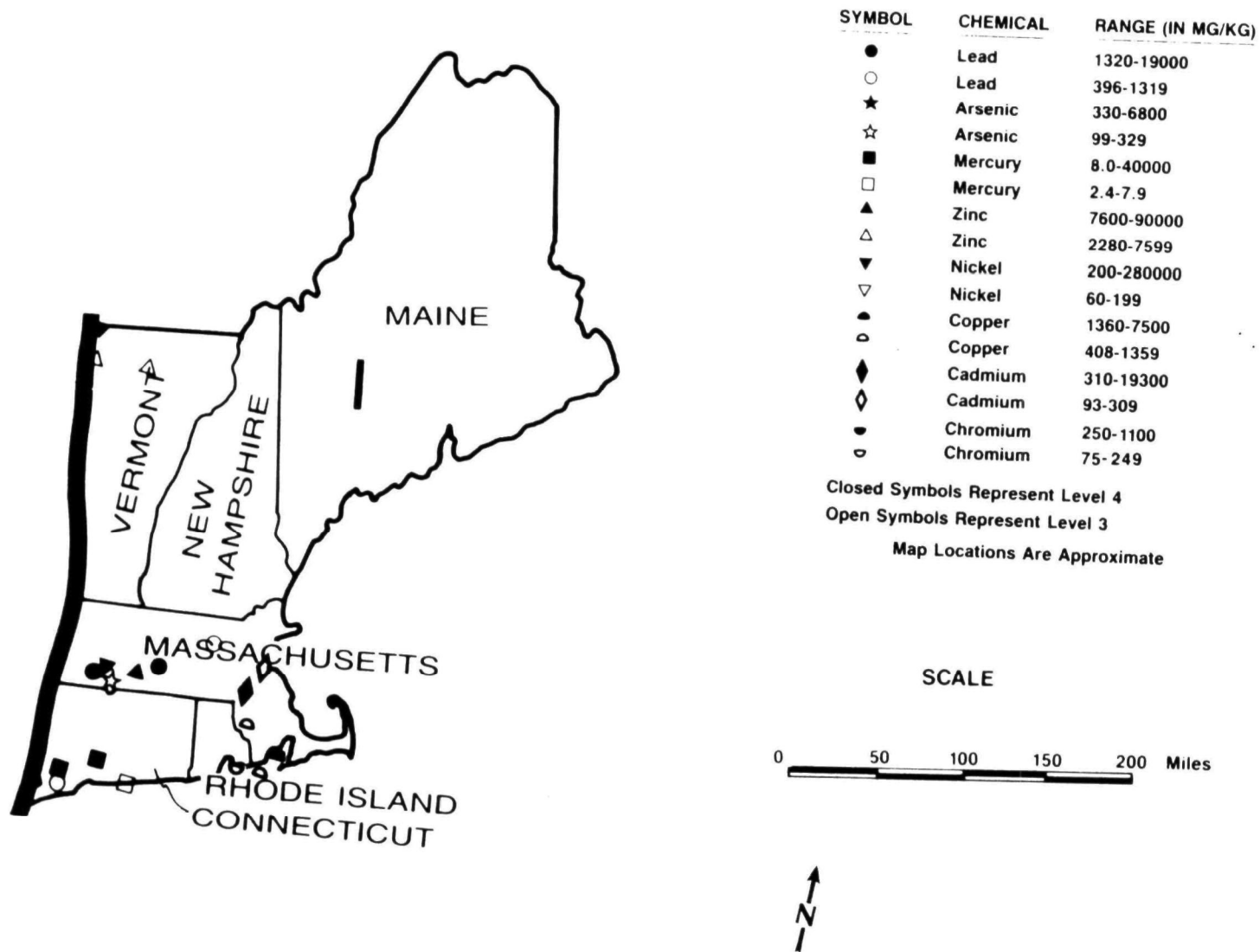
### 5.2 FRESHWATER DATA

#### 5.2.1 Metals

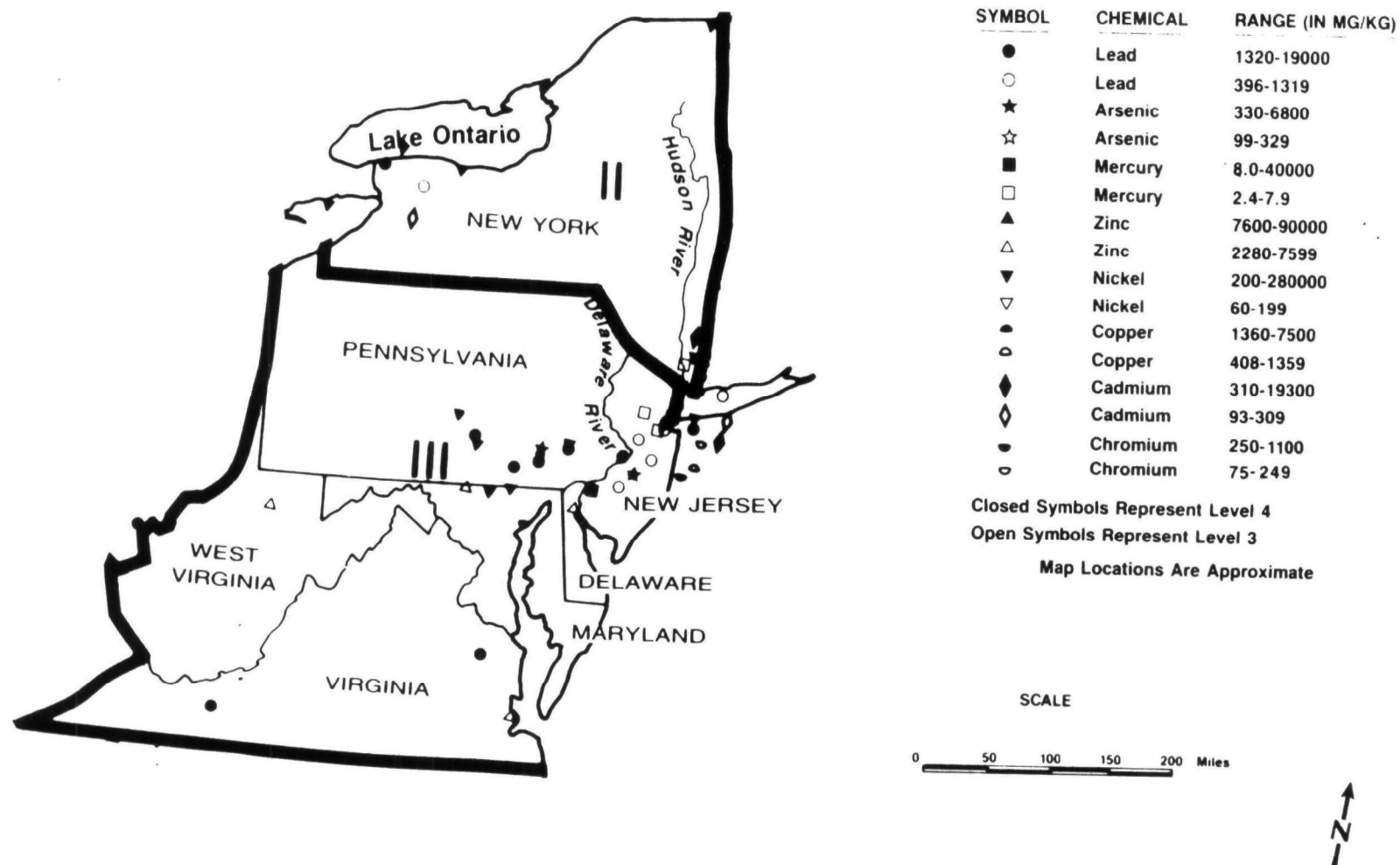
As will be apparent, the geographic distribution of the high concentration areas is distinctive for each of the contaminant groups. As Figure 5.1 shows, the metals data are predominantly in the eastern portion of the country. This distribution reflects the higher density of older urban areas and more industrialization. In particular, the major areas for the high metals concentrations are the following:

- The Northeastern coastal areas (EPA Regions I, II, and III) including portions of Massachusetts, Connecticut, downstate New York, New Jersey, southeastern Pennsylvania and Delaware. The clustering of data points in New York, New Jersey and Massachusetts may be viewed more clearly on the respective regional maps (Figures 5.2 and 5.3). With the exception of copper (which may be due to the smaller data base available for this chemical), all seven metals are present at a number of sites.
- Southern Michigan, central and eastern Ohio, western Indiana and Illinois in the Chicago area (EPA Region V). The clustering of points on the western and southwestern portions of Lake Erie is better viewed on the regional map for Region V (Figure 5.4).
- The Gulf and southeastern states (EPA Regions IV and VI) exhibit clustering of data but have a more dispersed distribution than the previously discussed regions. Tennessee, Florida and eastern Texas have the largest number of locations. Alabama, Georgia, Mississippi and New Mexico have relatively few locations (Figure 5.5).

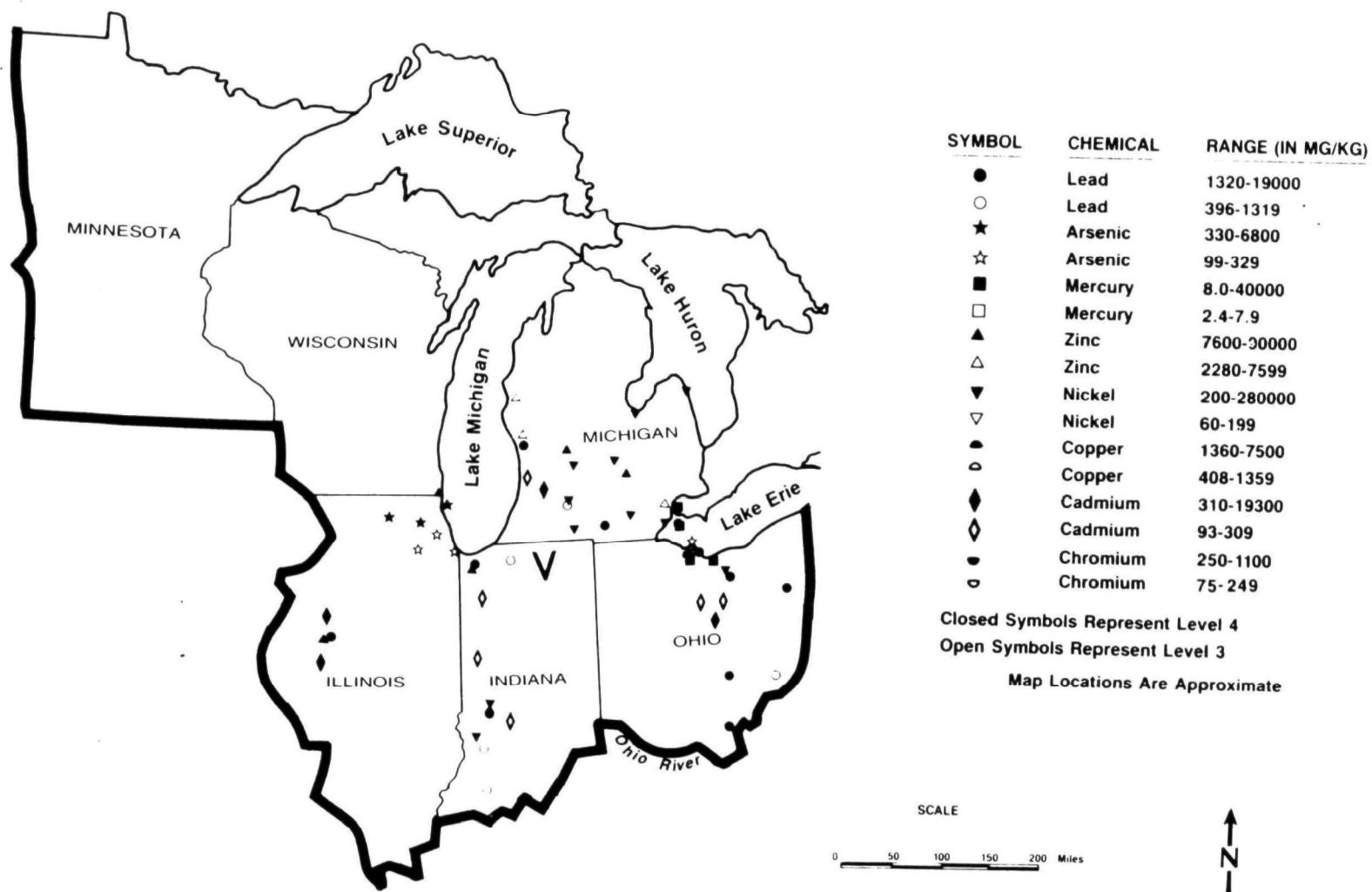




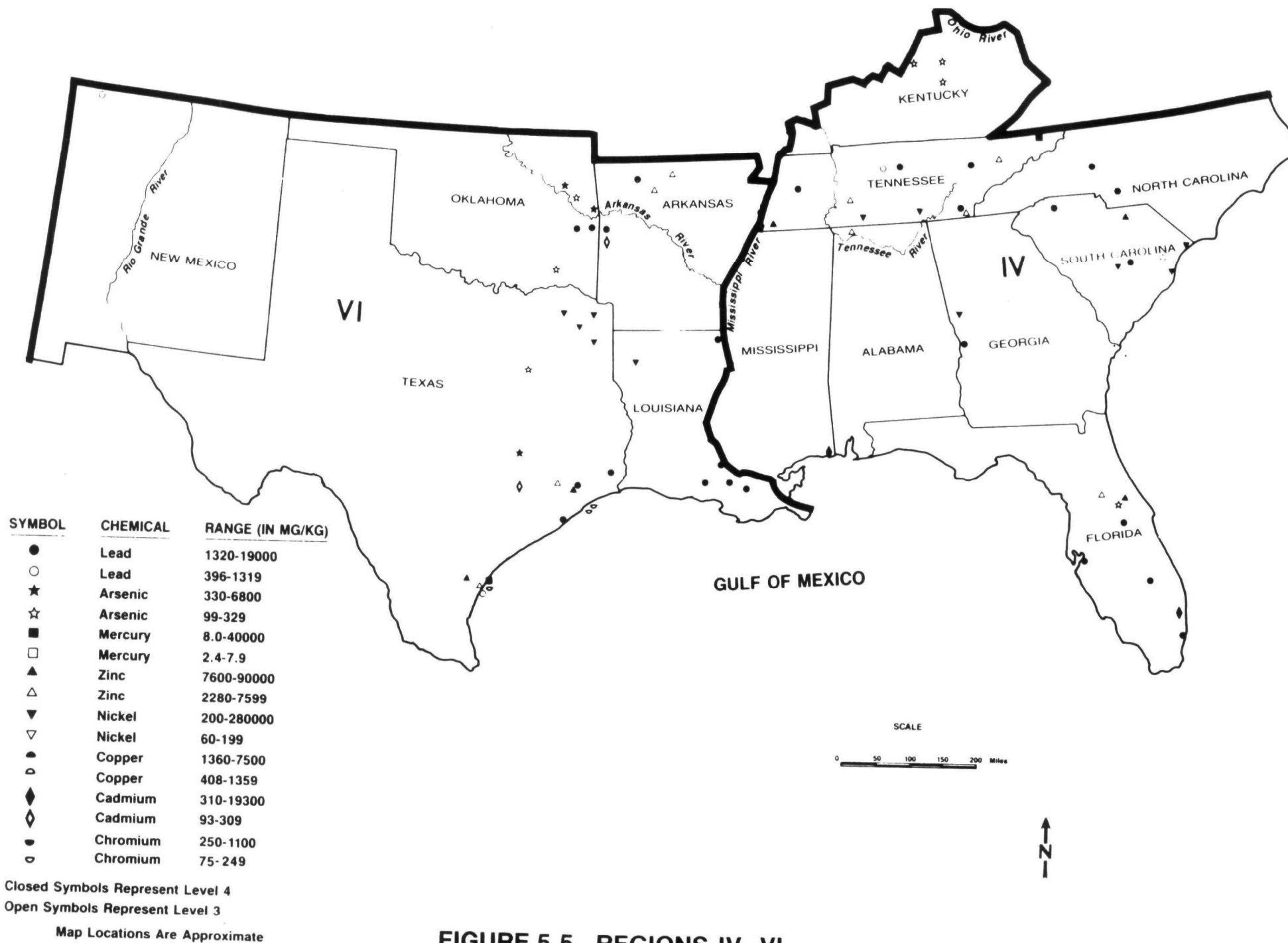
**FIGURE 5.2. REGION I  
CLASSIFICATION LEVELS FOR METALS**



**FIGURE 5.3. REGIONS II, III  
CLASSIFICATION LEVELS FOR METALS**



**FIGURE 5.4. REGION V  
CLASSIFICATION LEVELS FOR METALS**



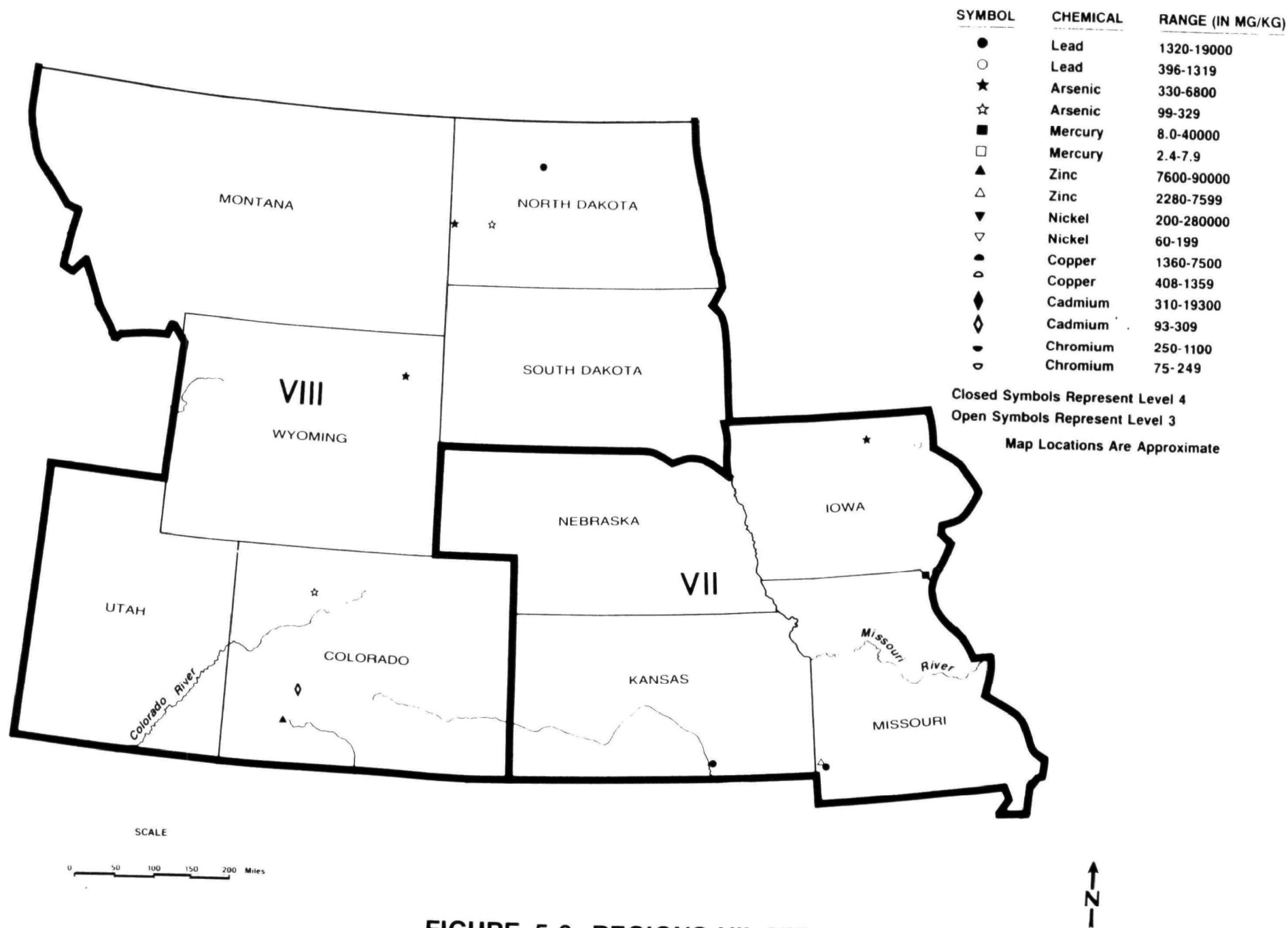
**FIGURE 5.5. REGIONS IV, VI  
CLASSIFICATION LEVELS FOR METALS**

- Large sections of the central U.S. have no significant concentration of sites. These areas include EPA Regions VII and VIII. These areas are also relatively far from major urban-industrial centers (Figure 5.6).
- The Pacific Northwest (EPA Region X) has a cluster of sites in northern Idaho and eastern Washington along the Spokane River in the vicinity of Coeur d'Alene Lake (Figure 5.7).
- The southwestern U.S. (EPA Region IX) contains several clusters of points (Figure 5.8). One of these clusters is in southwestern Arizona, one is in Nevada in the vicinity of Lake Tahoe, the Truckee River, and Lahontan Reservoir and a third is in the Los Angeles area. Cadmium and mercury are found particularly in the Sacramento and San Joachin Valleys and the San Francisco Bay area.

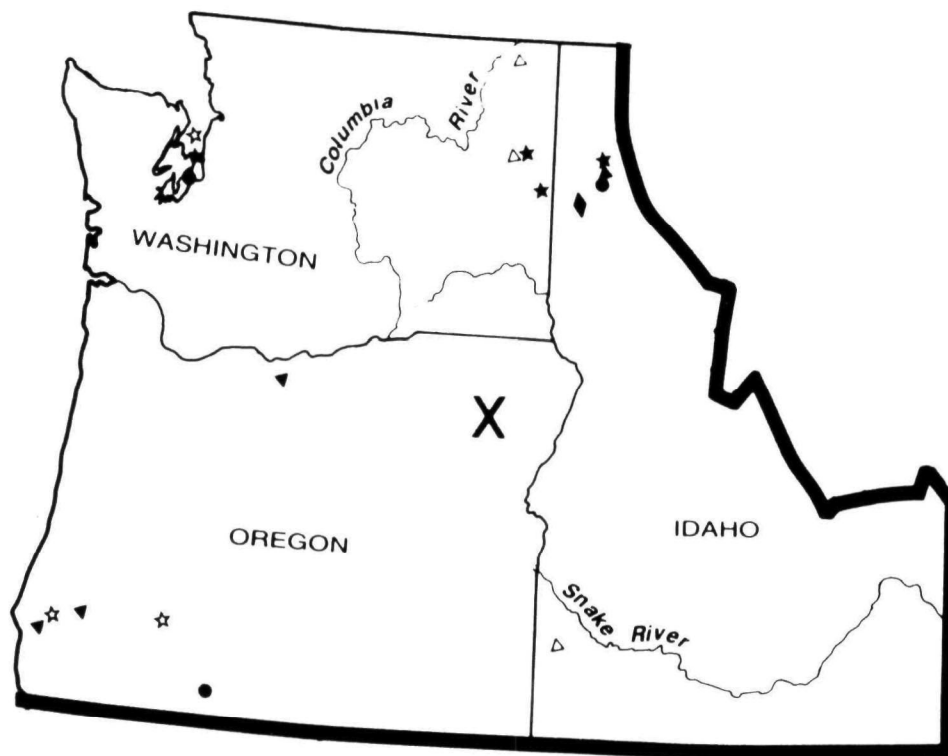
### 5.2.2 Pesticides

The national geographic distribution of pesticide locations is shown in Figure 5.9. The data are more uniformly distributed across the country than was the case for the metals. The pesticides distribution appears to reflect heavy agricultural usage areas although manufacturing or disposal sites are also present. Specifically, the major areas for elevated pesticides concentrations are the following:

- New Jersey and western Pennsylvania have a large number of sites of high chlordane and DDT concentrations. This distribution probably reflects a combination of use and manufacturing areas (Figure 5.10); smaller numbers of points are shown in upper Maine, Vermont, and Massachusetts (Figure 5.11). Upstate New York also contains locations near Lake Ontario's southern shore.
- The largest concentration of sites in Region V is in Michigan. Chlordane, toxaphene, heptachlor and aldrin are the most common pesticide chemicals present particularly in the southwestern portion of the state and in the extreme northeastern portion near Lake Huron (Figure 5.12). Smaller clusters are present in northeast Ohio and the Chicago-Gary, Indiana industrial region.
- The southeast and Gulf Coast states contain the largest percentage of the locations, with the North and South Carolina, Georgia, areas along the Mississippi and in eastern Texas being the most tightly clustered (Figure 5.13).
- As was observed with the metals, the Great Plains and Rocky Mountain regions contain very few locations (Figure 5.14).



**FIGURE 5.6. REGIONS VII, VIII  
CLASSIFICATION LEVELS FOR METALS**



| SYMBOL | CHEMICAL | RANGE (IN MG/KG) |
|--------|----------|------------------|
| ●      | Lead     | 1320-19000       |
| ○      | Lead     | 396-1319         |
| ★      | Arsenic  | 330-6800         |
| ☆      | Arsenic  | 99-329           |
| ■      | Mercury  | 8.0-40000        |
| □      | Mercury  | 2.4-7.9          |
| ▲      | Zinc     | 7600-90000       |
| △      | Zinc     | 2280-7599        |
| ▼      | Nickel   | 200-280000       |
| ▽      | Nickel   | 60-199           |
| ▲      | Copper   | 1360-7500        |
| ○      | Copper   | 408-1359         |
| ◆      | Cadmium  | 310-19300        |
| ◇      | Cadmium  | 93-309           |
| ●      | Chromium | 250-1100         |
| ○      | Chromium | 75-249           |

Closed Symbols Represent Level 4

Open Symbols Represent Level 3

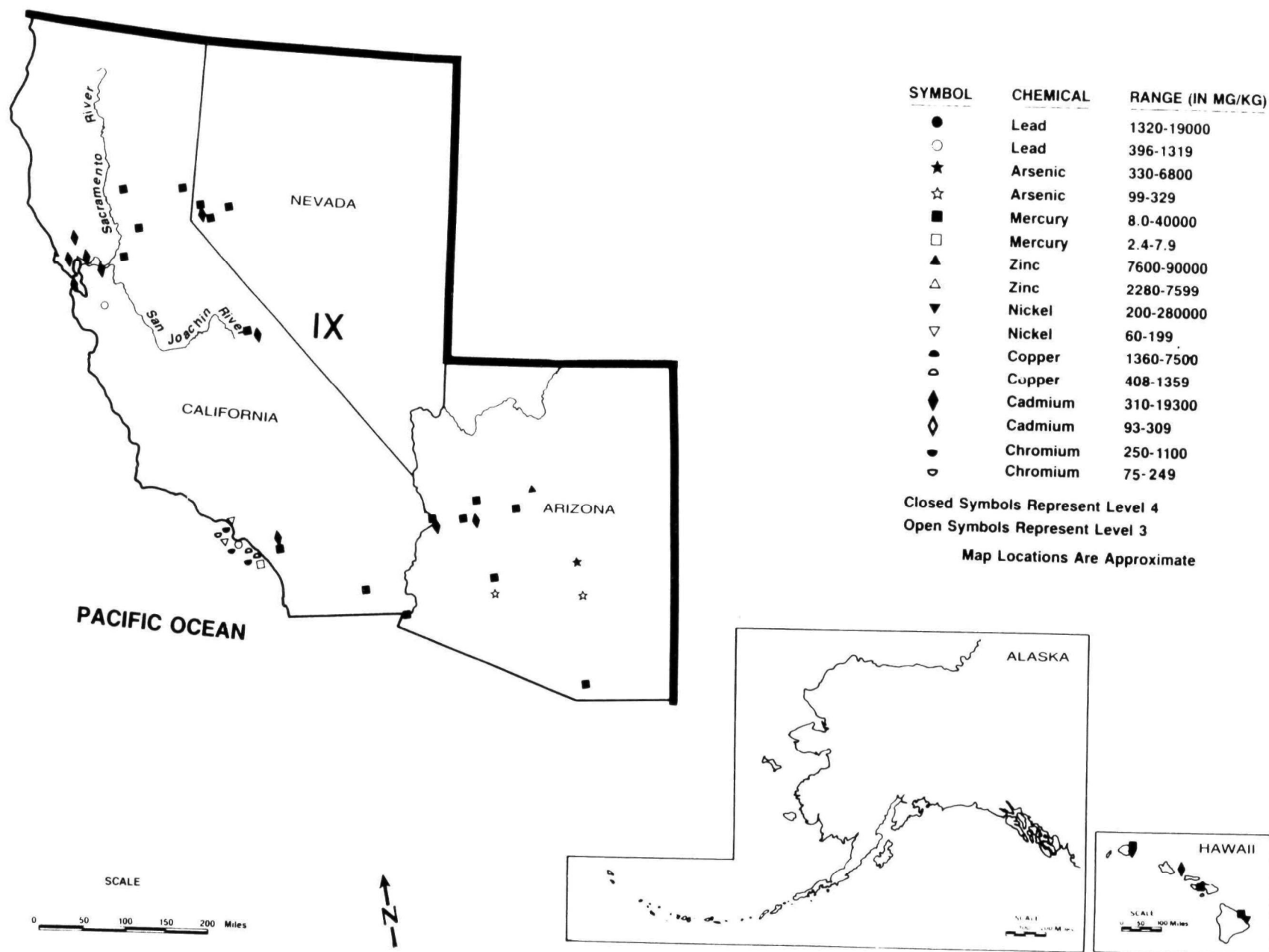
Map Locations Are Approximate

SCALE

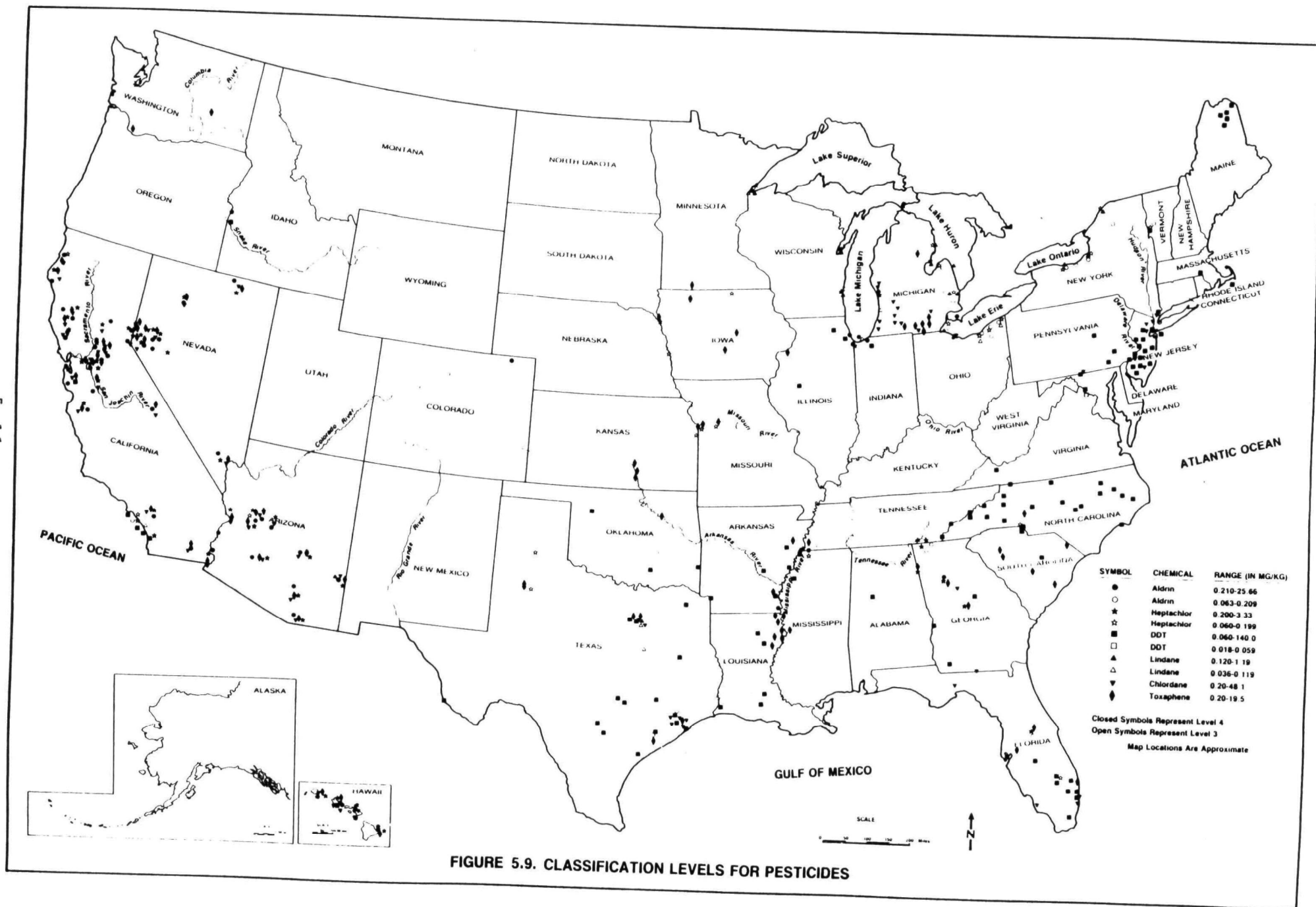
0 50 100 150 200 Miles

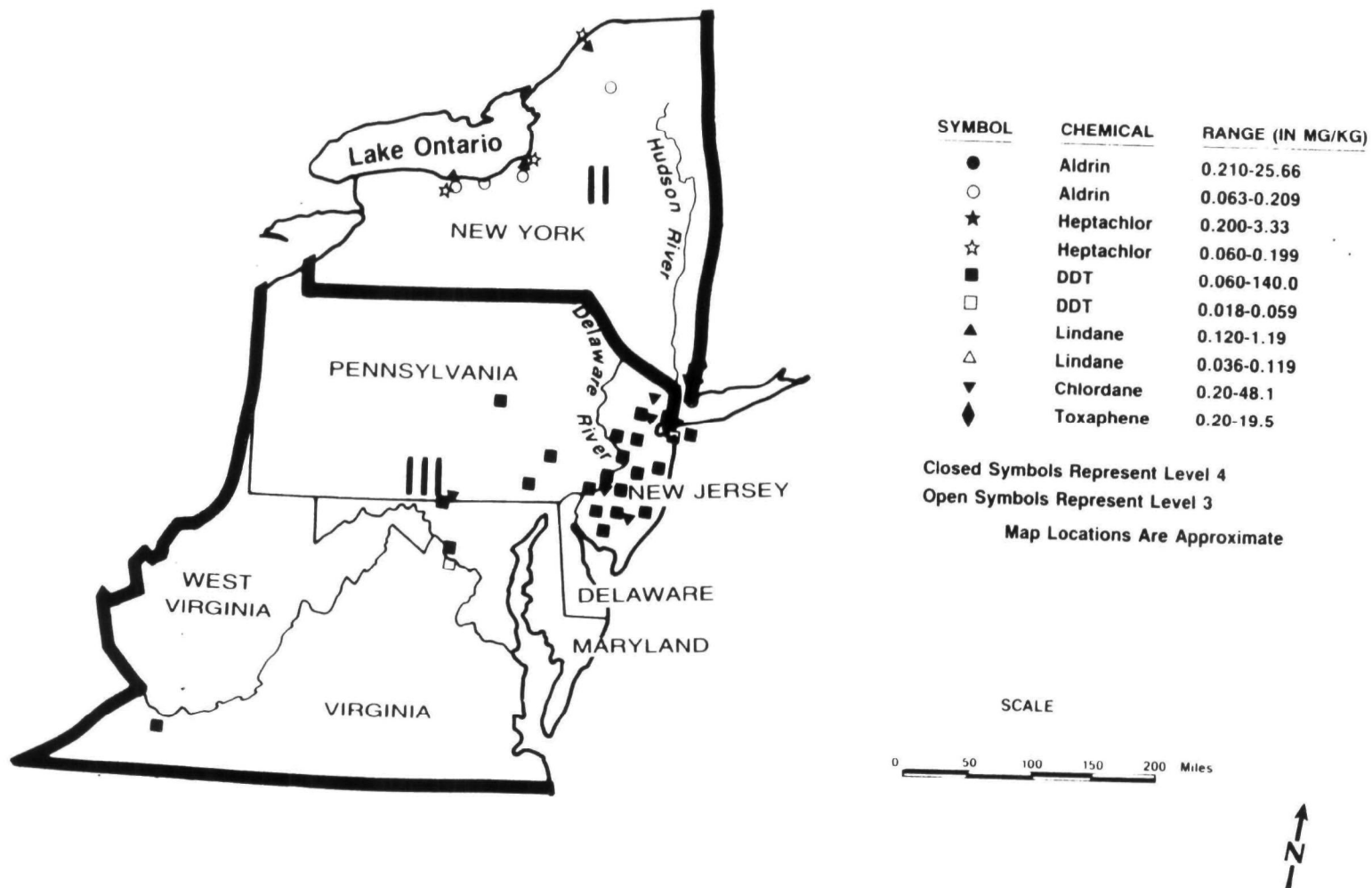


FIGURE 5.7. REGION X  
CLASSIFICATION LEVELS FOR METALS

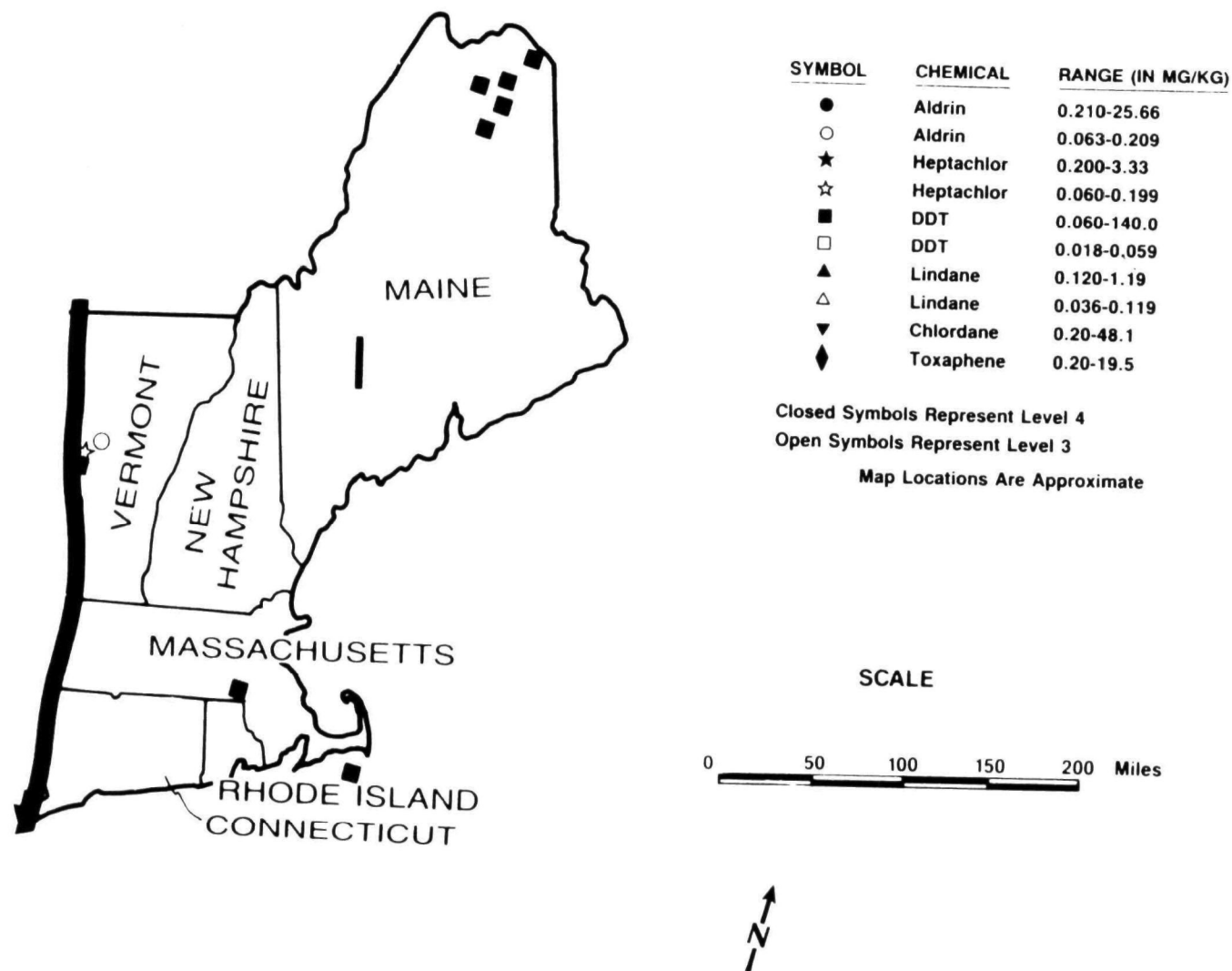


**FIGURE 5.8. REGION IX  
CLASSIFICATION LEVELS FOR METALS**





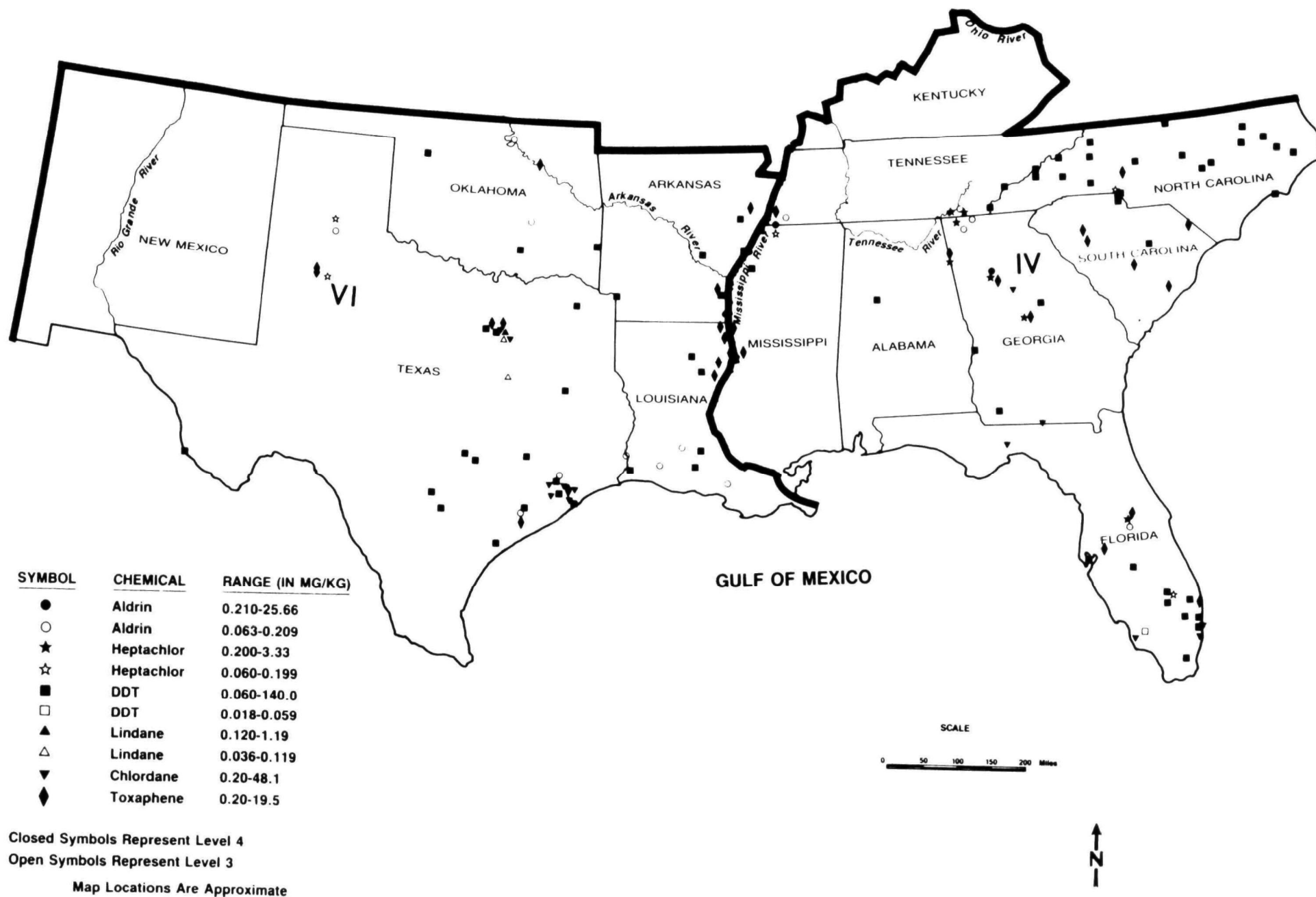
**FIGURE 5.10. REGIONS II, III  
CLASSIFICATION LEVELS FOR PESTICIDES**



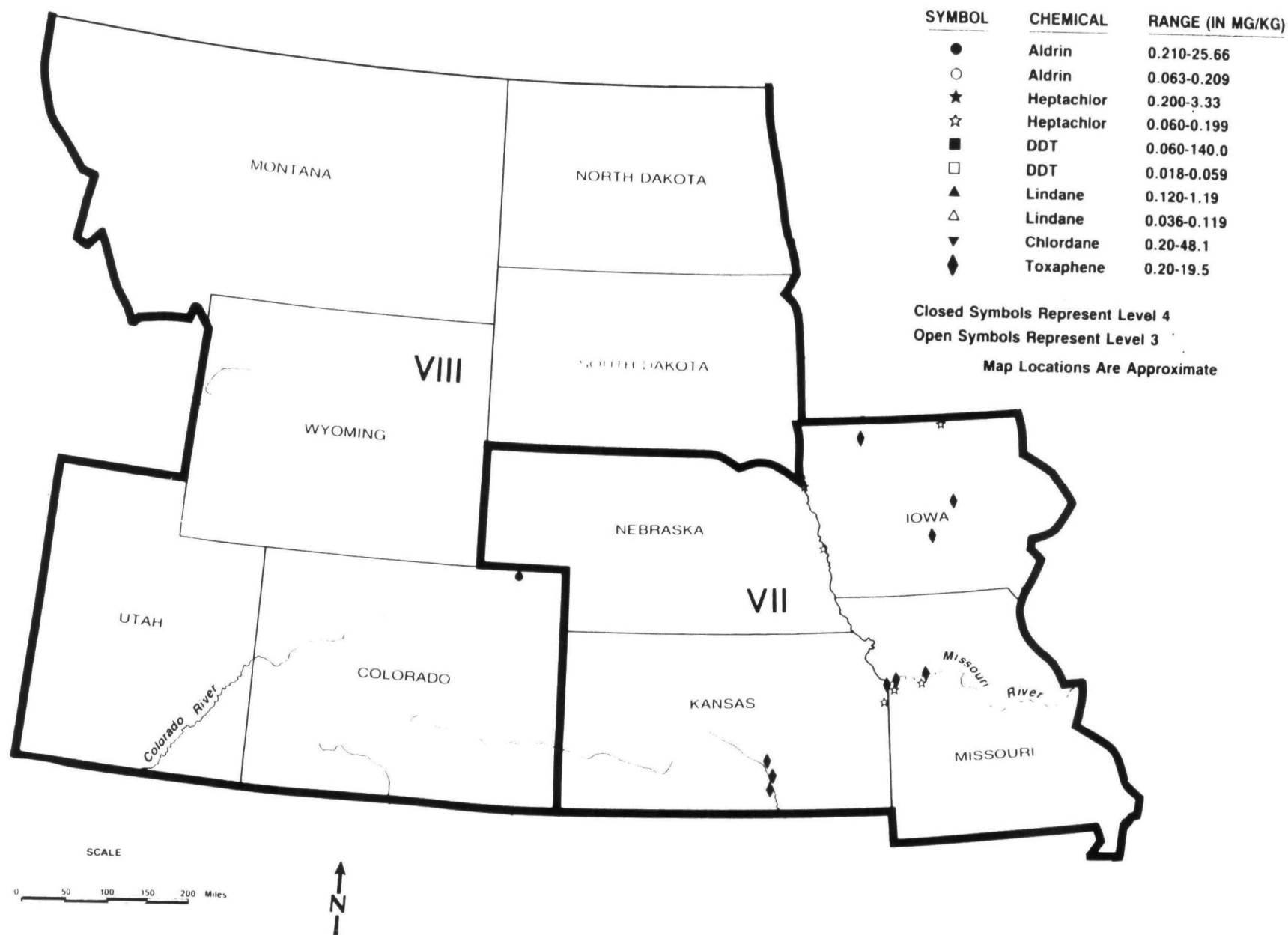
**FIGURE 5.11. REGION I  
CLASSIFICATION LEVELS FOR PESTICIDES**



**FIGURE 5.12. REGION V  
CLASSIFICATION LEVELS FOR PESTICIDES**



**FIGURE 5.13. REGIONS IV, VI  
CLASSIFICATION LEVELS FOR PESTICIDES**



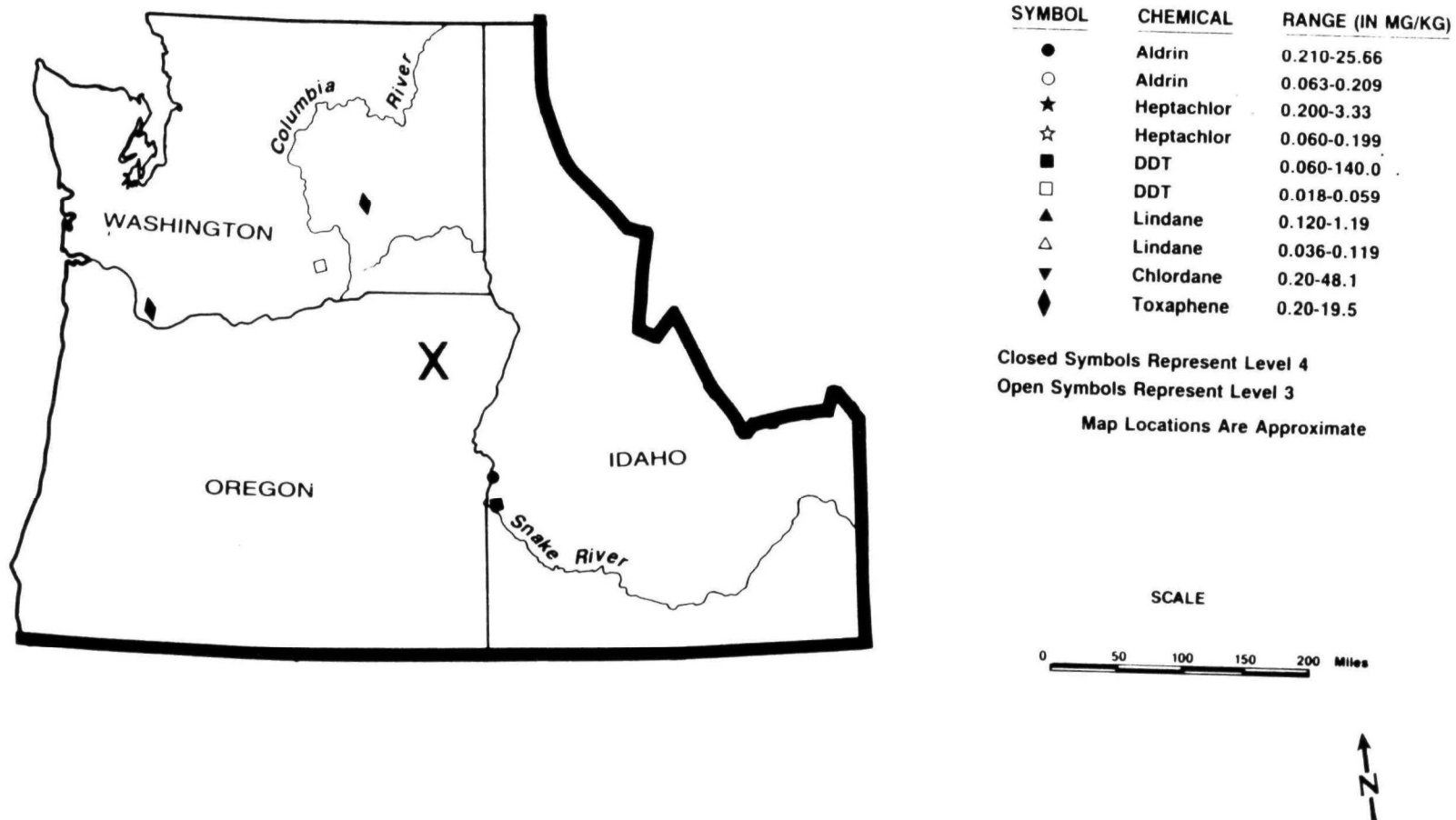
**FIGURE 5.14. REGIONS VII, VIII  
CLASSIFICATION LEVELS FOR PESTICIDES**

- The Pacific Northwest locations are confined to a small number of points along the Columbia River (Figure 5.15).
- The states of California, Nevada and Arizona are densely clustered with locations in California around the American and San Joaquin Rivers and the Los Angeles area (Figure 5.16). The Nevada locations are near Lake Tahoe, the Truckee River and the Lahontan Reservoir.
- Hawaii contains numerous locations with elevated concentrations of many of the pesticides.

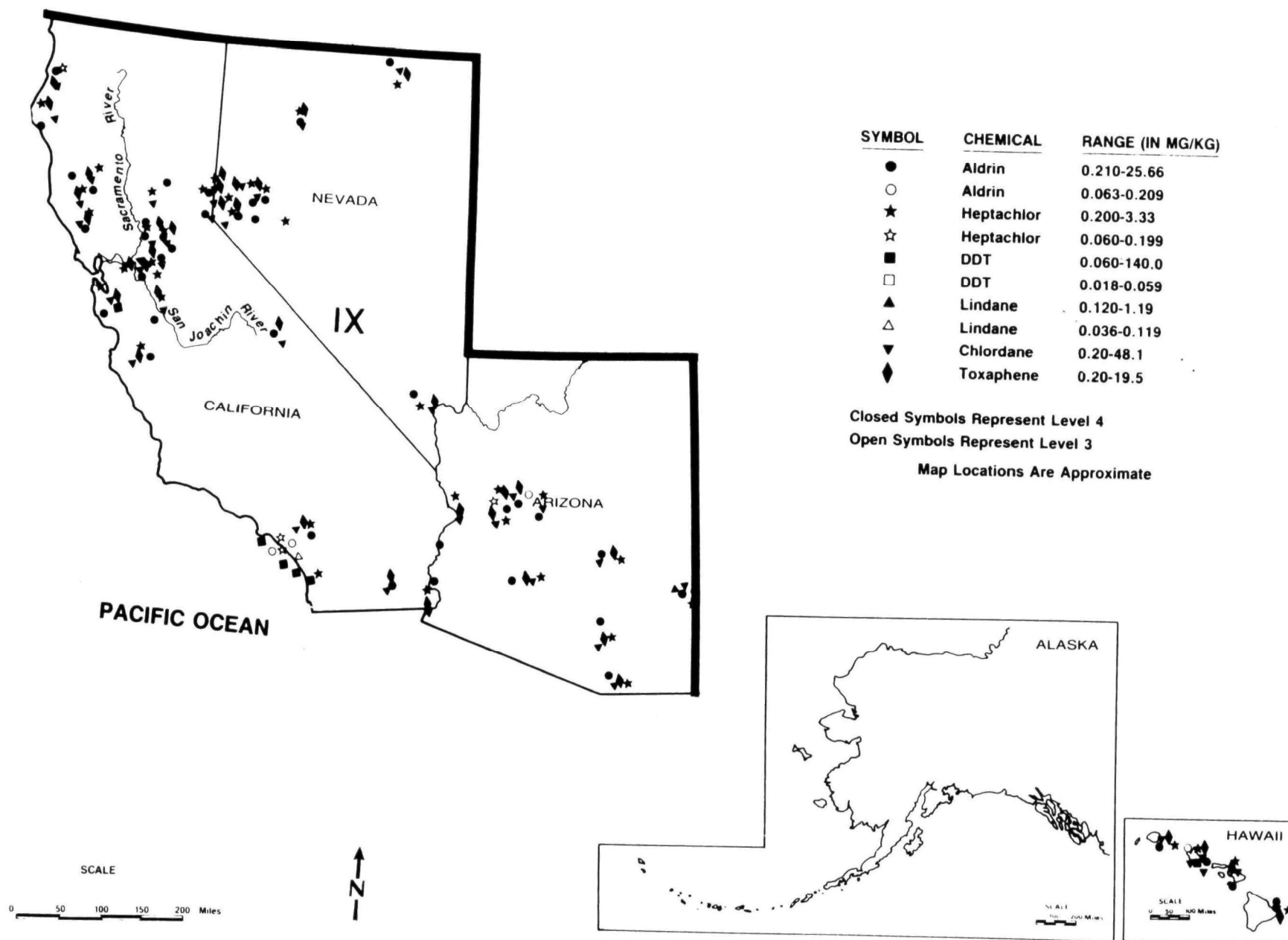
### 5.2.3 Cyanide, PAHs, PCBs, and Phthalates

This grouping contained few data points. The chemicals are present at elevated concentrations in only a small number of areas (Figure 5.17). The two principal contaminants are cyanide and PCBs. The major regions for high concentrations of these chemicals are:

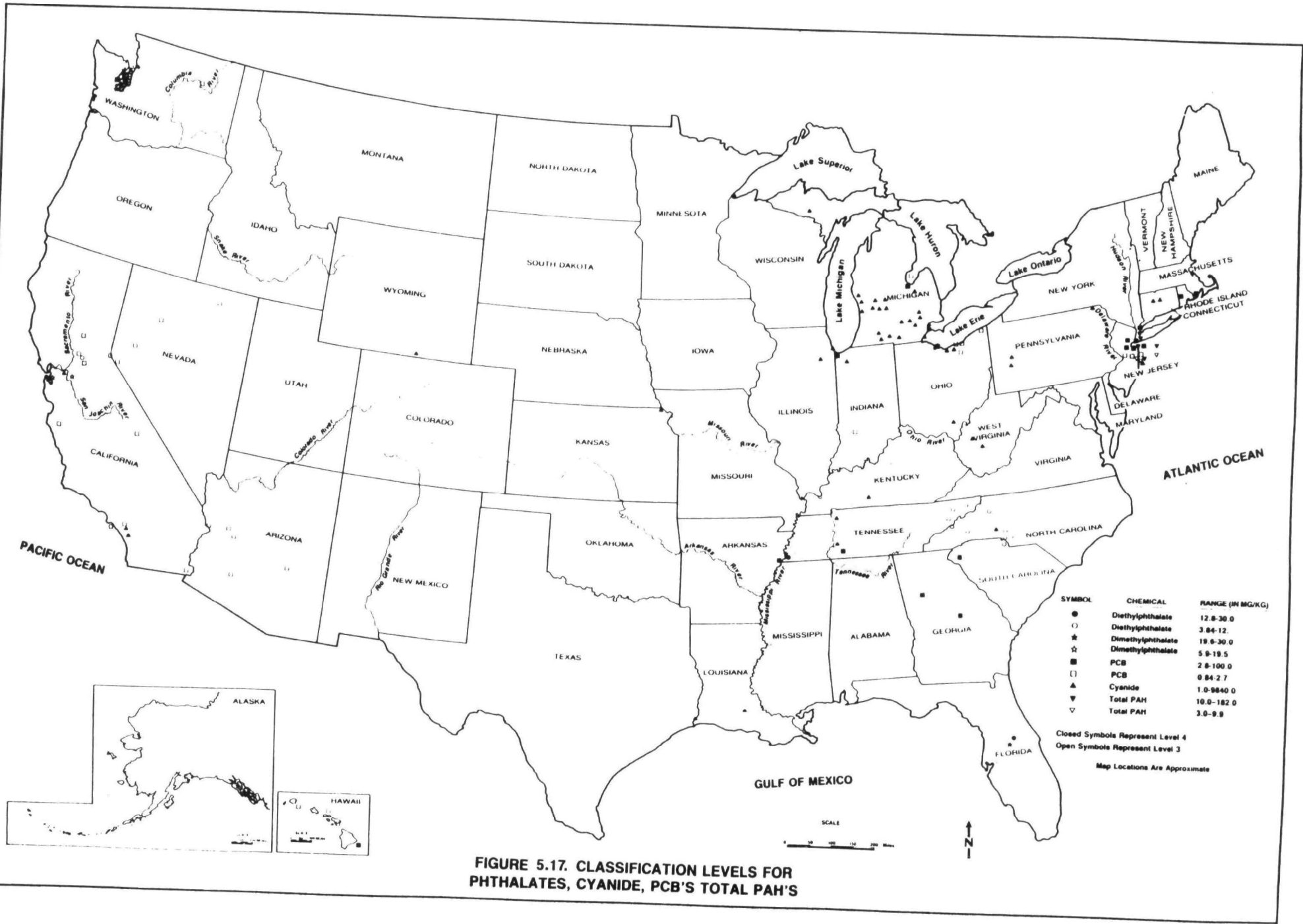
- New Jersey, Connecticut and Rhode Island contain the highest concentration of sites in the Northeast (Figures 5.18 and 5.19)
- Cyanide in the sediments of Michigan water bodies was frequently noted; PCBs and cyanide were found less frequently in northeastern Ohio and in the Chicago-Gary region (Figure 5.20)
- The southeastern U.S. contains a scattering of points, particularly PCBs and phthalates, but without clustering in a small area (Figure 5.21)
- Regions VII, VIII and X have almost no sites (Figures 5.22 and 5.23)
- Region X has a few sites scattered across Nevada, California and Arizona (Figure 5.24). Most of these are indicative of PCB contamination.

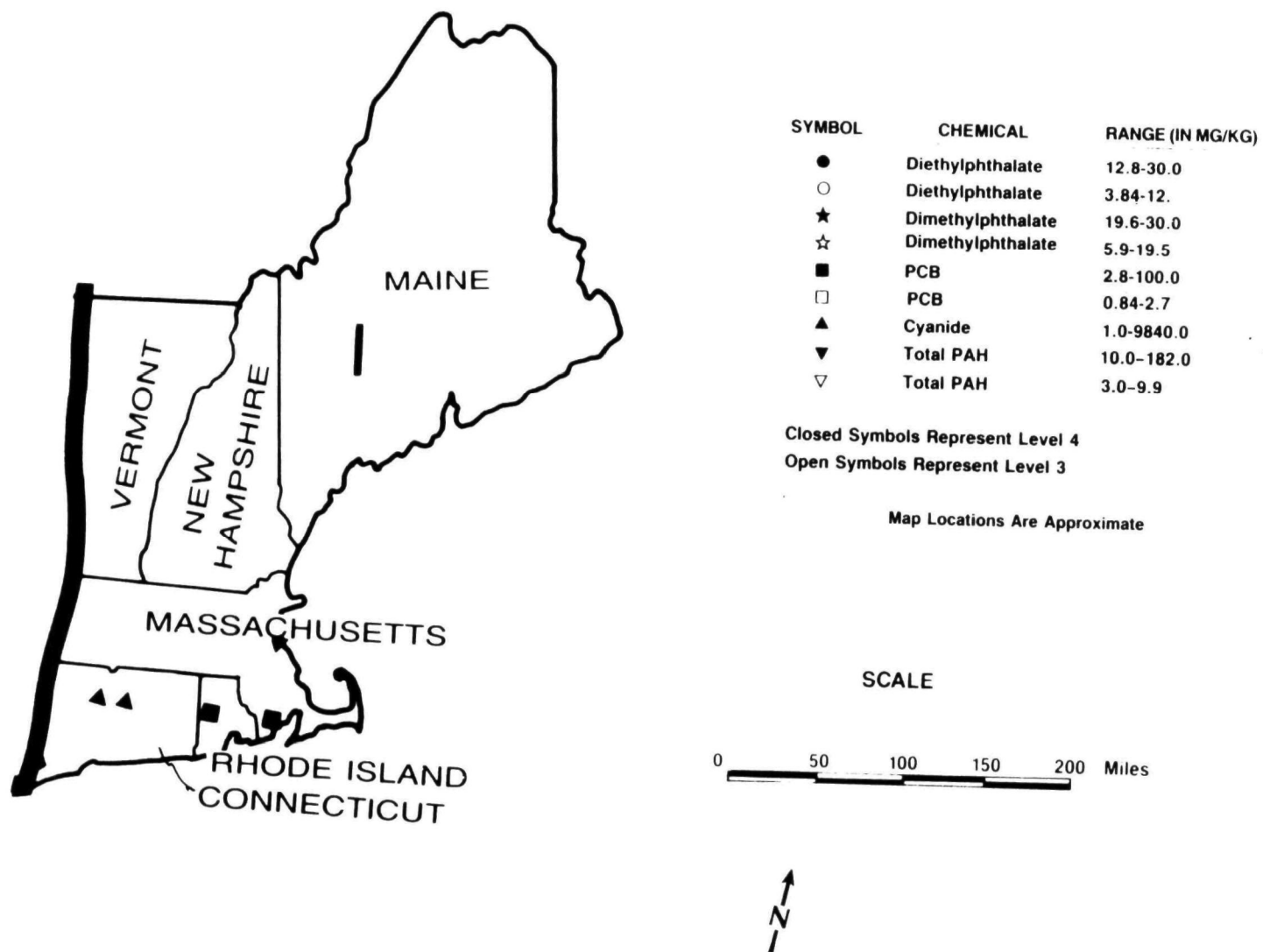


**FIGURE 5.15. REGION X  
CLASSIFICATION LEVELS FOR PESTICIDES**

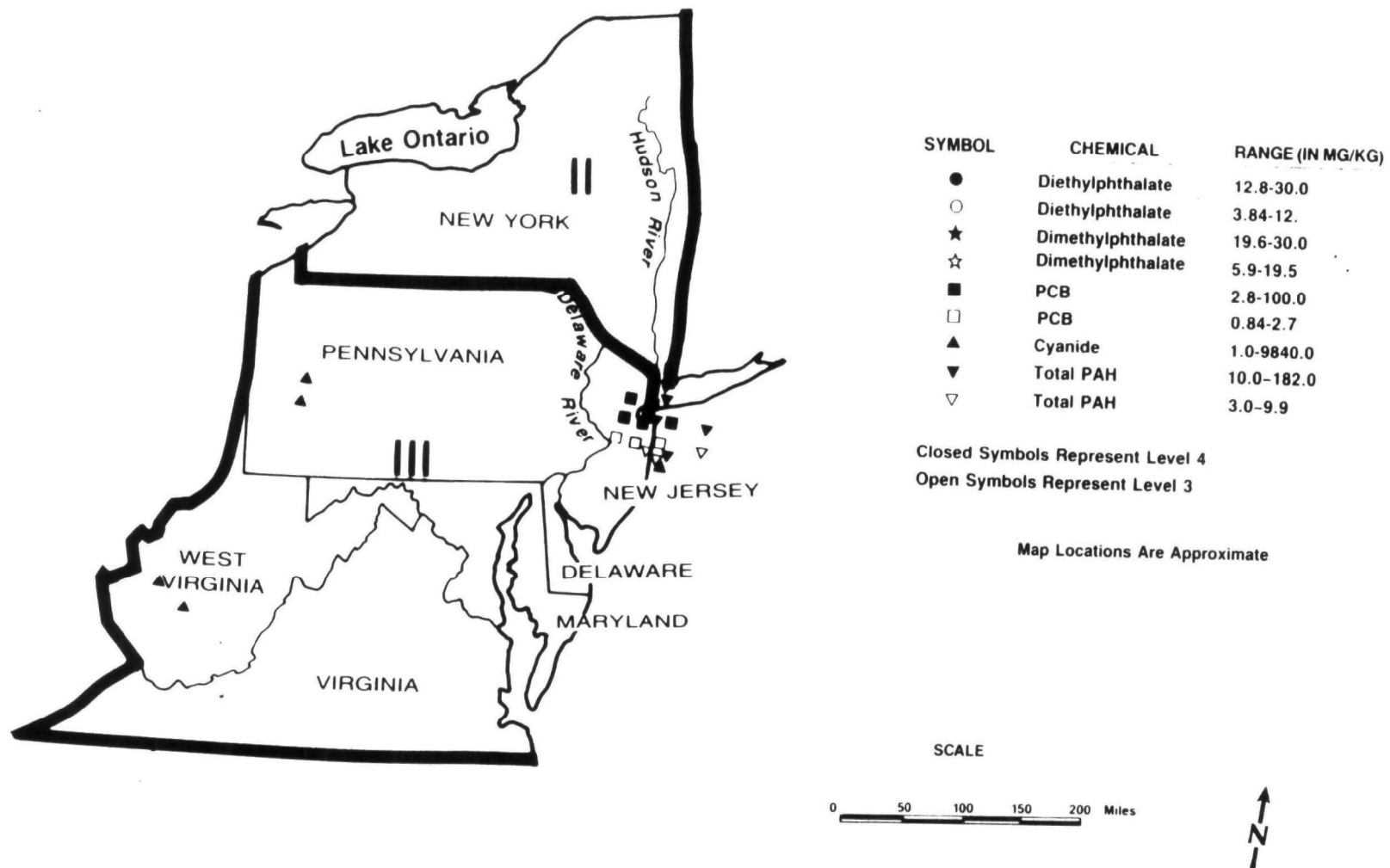


**FIGURE 5.16. REGION IX  
CLASSIFICATION LEVELS FOR PESTICIDES**

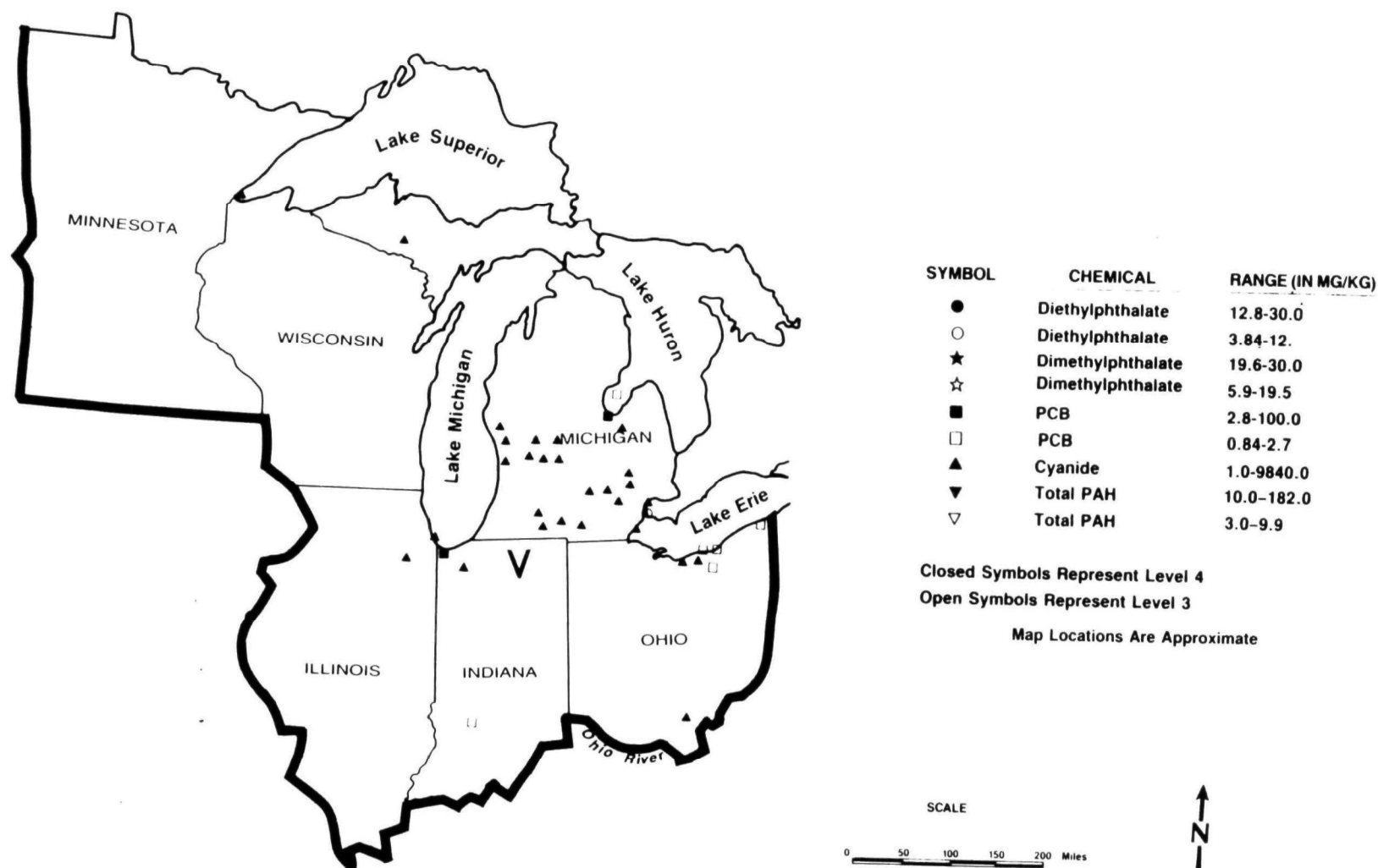




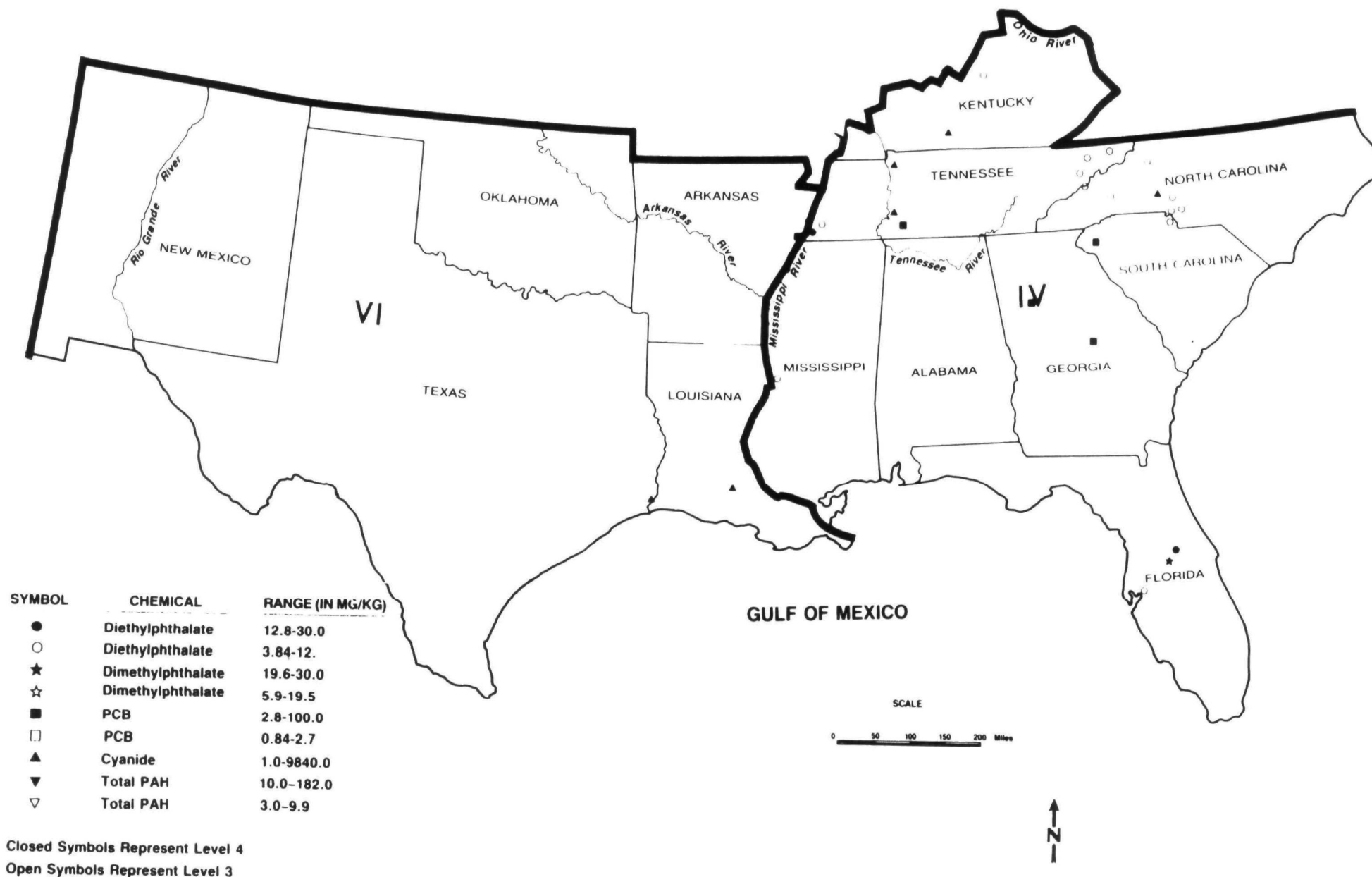
**FIGURE 5.18. REGION I  
CLASSIFICATION LEVELS FOR  
PHTHALATES, CYANIDE, PCB'S TOTAL PAH'S**



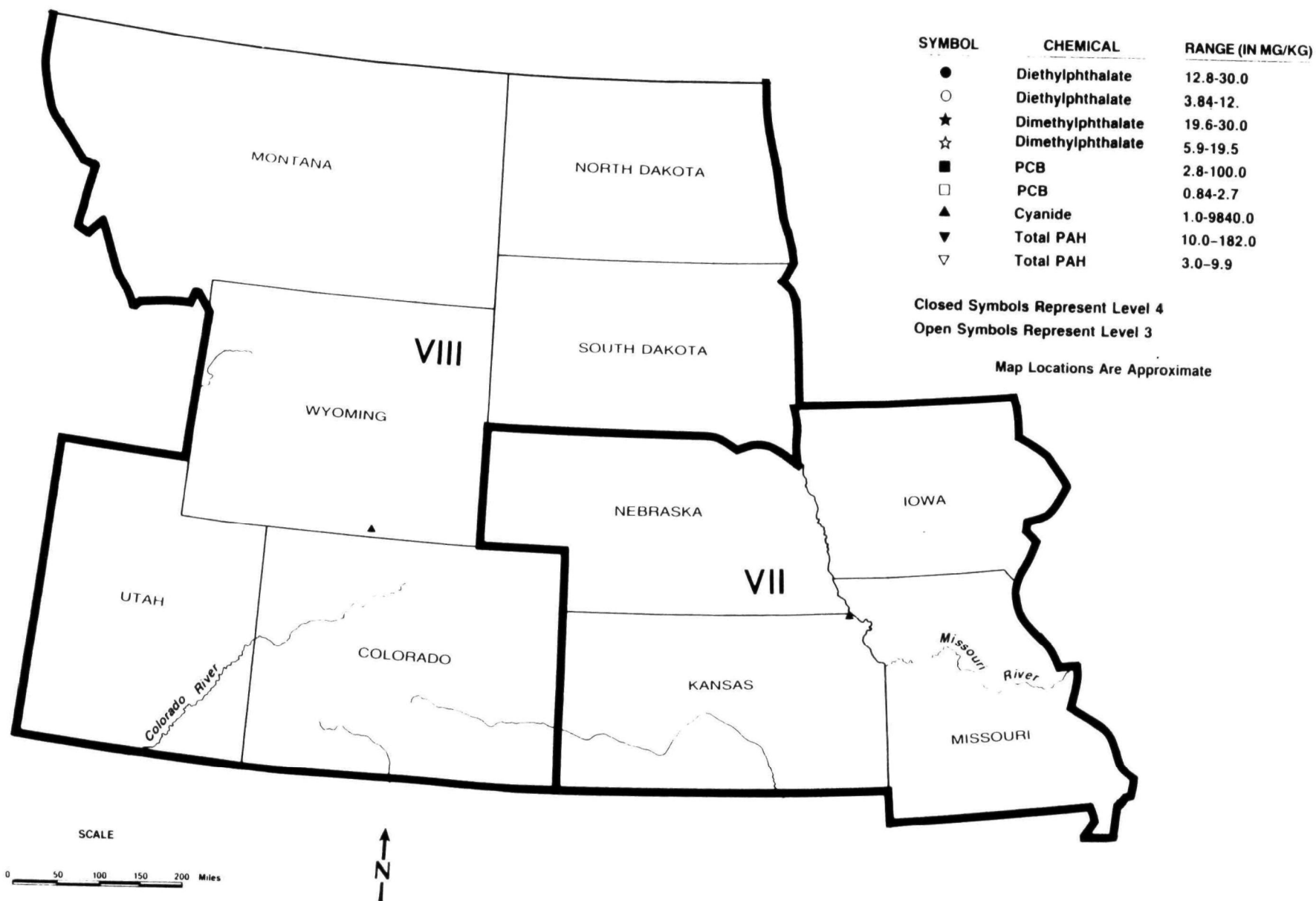
**FIGURE 5.19. REGIONS II, III  
CLASSIFICATION LEVELS FOR  
PHthalATES, CYANIDE, PCB'S TOTAL PAH'S**



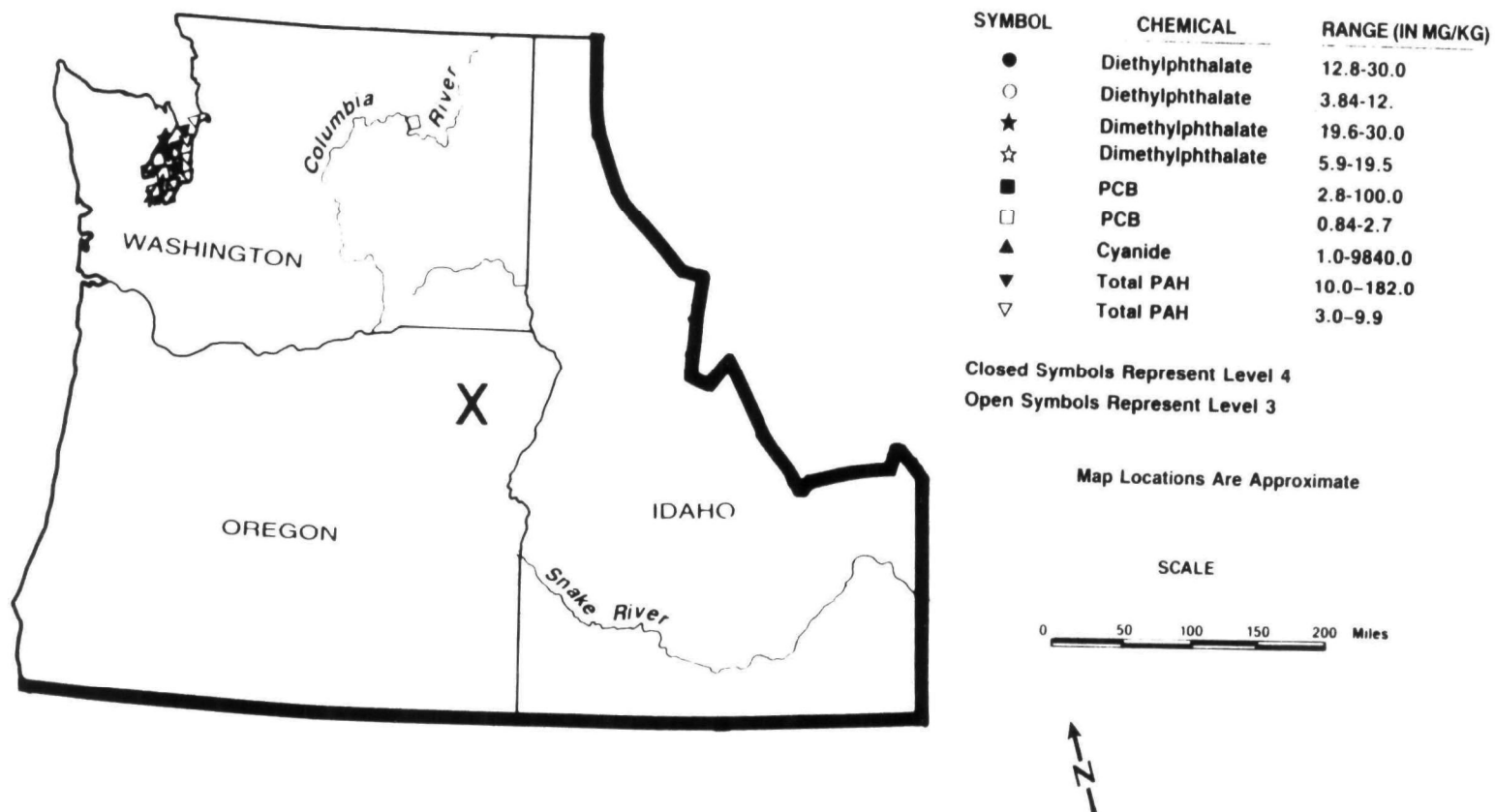
**FIGURE 5.20. REGION V  
CLASSIFICATION LEVELS FOR  
PHTHALATES, CYANIDE, PCB'S TOTAL PAH'S**



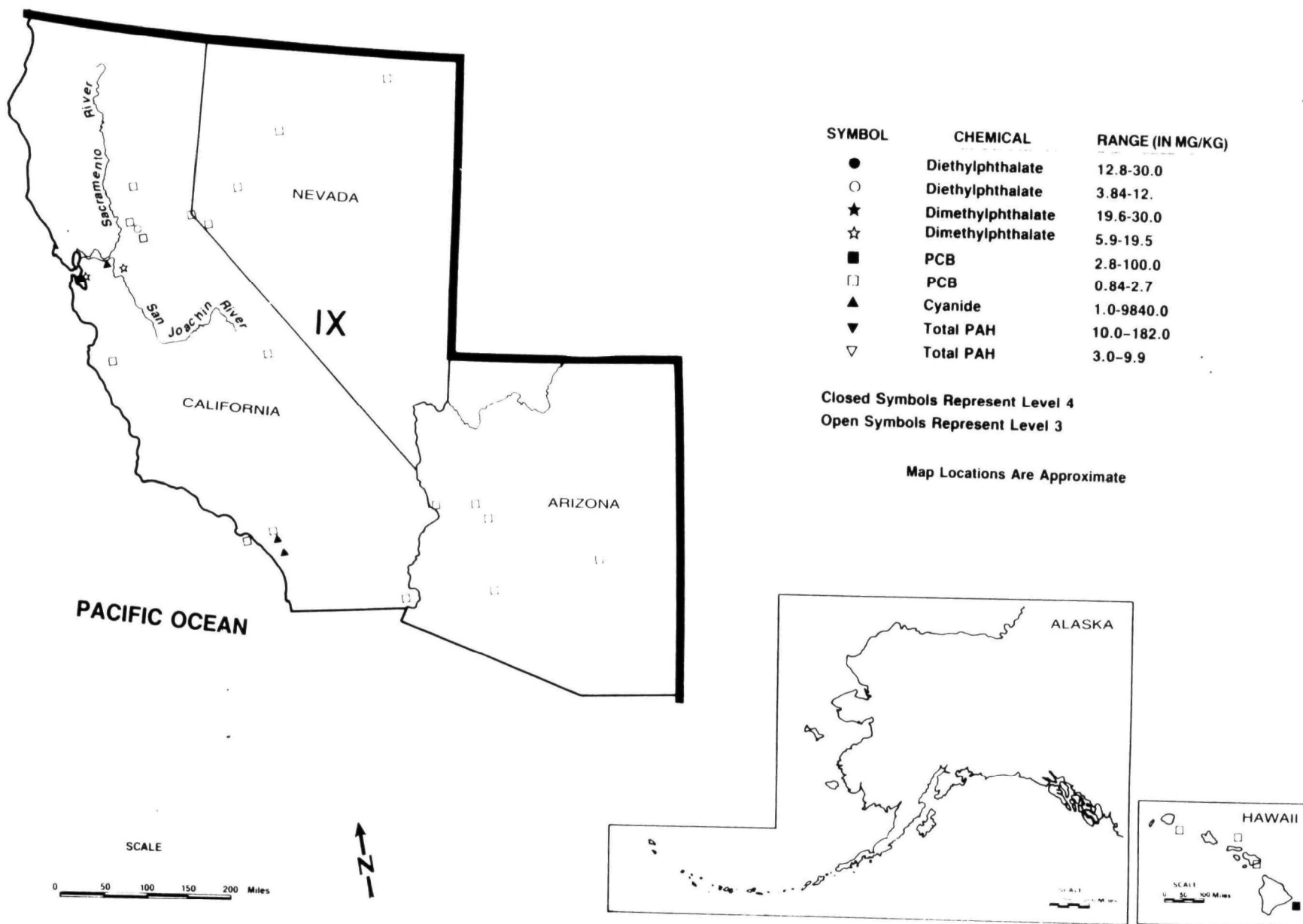
**FIGURE 5.21. REGIONS IV, VI  
CLASSIFICATION LEVELS FOR  
PHTHALATES, CYANIDE, PCB'S TOTAL PAH'S**



**FIGURE 5.22. REGIONS VII, VIII  
CLASSIFICATION LEVELS FOR  
PHTHALATES, CYANIDE, PCB'S TOTAL PAH'S**



**FIGURE 5.23. REGION X  
CLASSIFICATION LEVELS FOR  
PHTHALATES, CYANIDE, PCB'S TOTAL PAH'S**



**FIGURE 5.24. REGION IX  
CLASSIFICATION LEVELS FOR  
PHTHALATES, CYANIDE, PCB'S TOTAL PAH'S**

## 6.0 OBSERVATIONS AND CONCLUSIONS

### 6.1 FRESHWATER

Several general conclusions can be drawn from the results of this survey:

- The national maps indicate a clustering of a variety of chemicals at certain sites rather than a general scattering of data. In general, coastal areas are the most noticeably affected regions. New York, New Jersey, Michigan, Arizona, Nevada, Washington and California contain areas which repeatedly appear on the national maps. This distribution indicates a broad spectrum of contamination within certain areas.
- The limited analyses of station-by-station data for the top 200 measurements indicate that: (1) areas are widely scattered around the country justifying development of sediment criteria on a national basis, and (2) the highest contamination levels for many chemicals represent potential "hot spots" rather than generally high concentrations over a broad area.
- Metal concentrations were, for the most part, classified in Level 1. Only nickel, which had 42 percent of the data in the upper three concentration levels, was an exception. In situ and bioassay data suggest a need to reevaluate water quality criterion derived threshold values.
- Almost all of the polynuclear aromatic hydrocarbon data were classified in Level 1. A wide span exists between the currently suggested threshold levels and even the highest observed concentrations. The biological impact data suggest a need to reevaluate threshold levels.
- A significant percentage of phthalate data fell in the higher classification levels--36 percent in the case of diethylphthalate and 35 percent for dimethylphthalate. However, no biological impact data were found to indicate a need to review threshold values.
- The vast majority of the pesticide data were in the Level 1 range. Chlordane, DDT, and toxaphene had 16, 7, and 14 percent of the data points in the Level 2 range, respectively. Biological impact data are needed to evaluate threshold levels.
- The PCB data were distributed with 18 percent of the data above Level 1 using the sediment-water partition approach. However, only 0.4 percent would be located in Level 2 at the highest proposed threshold value using alternative criteria. Biological impact data need further evaluation.

- Much of the available in situ or in vivo data were inappropriate to determine sediment related toxic effects because parallel measurements of chemical concentrations and biological species distribution on other biological effects have not been made.

## 6.2 MARINE/ESTUARINE WATERS

Based on the literature survey conducted to gain a national perspective of the sediment quality status of marine and estuarine sites, the following general conclusions can be drawn:

- Only a limited number of sites contained the chemicals of interest at high concentrations. This inventory include several of the Puget Sound waterways; Corpus Christi Harbor, Texas; the New York Harbor region; Baltimore Harbor; Boston Harbor and New Bedford Harbor, Massachusetts; Blackrock Harbor, Connecticut; and the California sewage outfall system of Palos Verdes and part of San Francisco Bay.
- Chemicals of major concern were those that exceeded the provisional sediment threshold values at several coastal locations. These chemicals include toxic metals, PAH, PCB, and DDT. Other chemicals in this inventory of coastal sites did not reach or exceed the first cut sediment threshold values.
- The marine/estuarine survey was based on a very limited data base. A more detailed literature search may reveal additional chemicals of major concern. Important data gaps in this review exist for the following compounds: PAH and other aromatic hydrocarbons outside the New York Harbor and Bight regions; several pesticides; all of the other chlorinated hydrocarbons except PCB; and all the phthalates.
- Threshold concentrations for chemicals in sediments based on sediment-water equilibrium partitioning are probably set too high for the majority of chemicals considered, most notably for PAH compounds and metals. This over-estimation was best illustrated by the discrepancy between biological effects observed in New York Bight sediments despite corresponding sediment contaminant concentrations of inventoried chemicals which rarely exceeded threshold biological effects levels.

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## APPENDIX

### TABLE GENERATION AND INTERPRETATION

The tables contained in this appendix were obtained from a computer tape listing STORET data on solid matrix samples for 25 chemicals. Although an attempt was made during the generation of the tape to eliminate all but the sediment data by elimination on the basis of sample type (sediment, sludge, and so on), a quick review of the tables will reveal that this process was not entirely successful. For example, the highest concentrations of several metals were clearly data on sewage treatment plant sludges that were not correctly classified within STORET. The data on the tape were sorted by chemical from the highest concentration to the lowest. These measurements were then manually examined to eliminate non-sediment data such as sludges and solid wastes of various types prior to map preparation.

The 200 highest analytical measurements were examined further to produce a set of concentration measurements at individual locations for transfer to the maps. The monitoring stations where multiple measurements were made are shown in the table as a single location with a mean concentration and the number of measurements (N). When transferring data to the maps, latitude and longitude coordinates were used to decide whether points represented a single contaminated area or multiple locations. If measurements were separated by less than a few seconds of latitude or longitude, they were represented as a single map point. For this reason, not all of the tables contain the same number of points as do the maps. Accuracy of transfer of the data to the maps was assured by cross-checking approximately 10 percent of the sites to determine that they were at the correct locations. In addition, there may be more data in the tables because a second computer run was made to compute data for additional locations than those sites used for the 200 highest measurements used to generate the maps.

TABLE A-1. FRESHWATER REGIONS CONTAINING ELEVATED SEDIMENT LEVELS OF COPPER.  
CONCENTRATIONS ARE IN mg/kg.

| Obs | LOC                                  | STATE          | N | REIN    |
|-----|--------------------------------------|----------------|---|---------|
| 1   | 100 YARDS SOUTH OF MANNING AVENUE    | CALIFORNIA     | 1 | 493.000 |
| 2   | LAKE RHODISS NE RUTHERFORD COLLEGE   | NORTH CAROLINA | 1 | 61.000  |
| 3   | DAYS C S OF TEXARKANA ARK            | ARKANSAS       | 1 | 59.670  |
| 4   | SOUTH OF SAN DIEGO CAN ENTRANCE      | CALIFORNIA     | 1 | 44.150  |
| 5   | LAKE RHODISS & VALDEZ INACTIVE 79    | NORTH CAROLINA | 1 | 44.000  |
| 6   | LAKE FRANCIS CASE NE DAN             | SOUTH CAROLINA | 1 | 44.000  |
| 7   | LAKE RHODISS & SHILOH NE BAYON NC    | NORTH CAROLINA | 2 | 41.500  |
| 8   | LAKE RHODISS NE ARHUNST INACTIVE 7   | NORTH CAROLINA | 1 | 41.000  |
| 9   | LAKE OAKE NE DAN                     | SOUTH CAROLINA | 1 | 36.000  |
| 10  | CIRABRON RIVER NEAR CUTHWILL         | KENTUCKY       | 3 | 15.713  |
| 11  | LAKE FRANCIS CASE NE FLN CHESA       | SOUTH CAROLINA | 1 | 15.000  |
| 12  | LAKE OAKE NE POLLACK CO              | SOUTH CAROLINA | 1 | 14.000  |
| 13  | MOYLE CR NE RUTHERFORDTON (LC INACT  | NORTH CAROLINA | 4 | 12.750  |
| 14  | LONG CREEK NEAR ROCKY RIVER SPRINGS  | NORTH CAROLINA | 1 | 12.000  |
| 15  | PALECK CR & SHILOH NE CATALDOCHIE 1  | NORTH CAROLINA | 1 | 11.000  |
| 16  | LAKE SAKANAWA AT DAN                 | NORTH CAROLINA | 1 | 10.000  |
| 17  | MCCALLIBD CR NE VALDEZ INACTIVE 7    | NORTH CAROLINA | 1 | 25.000  |
| 18  | LAKE RHODISS & SHILOH NE BAYON NC    | NORTH CAROLINA | 2 | 24.530  |
| 19  | MISSOURI RIVER AT NEWTON MI          | NORTH CAROLINA | 1 | 20.000  |
| 20  | DAYS CHESA SE OF TEXARKANA ARK       | ARKANSAS       | 1 | 16.250  |
| 21  | RICHARDSON CREEK & SH 1600 NE BURNS  | NORTH CAROLINA | 1 | 17.000  |
| 22  | LAKE CR & SHILOH NE BILKENS NC INA   | NORTH CAROLINA | 1 | 17.000  |
| 23  | LOREN CR & SHILOH NE MORGANTON NC N  | NORTH CAROLINA | 1 | 16.000  |
| 24  | BIRD CREEK NEAR CATOOSA              | OKLAHOMA       | 4 | 16.000  |
| 25  | ST FRANCIS RIVER AT LAKE CITY AR     | ARKANSAS       | 2 | 15.145  |
| 26  | ROCKY RIVER NEAR BOWWOOD, NC         | NORTH CAROLINA | 1 | 15.000  |
| 27  | COTTONWOOD CREEK AT FLAND            | CALIFORNIA     | 1 | 15.000  |
| 28  | SHACKOVER CREEK & OF SHACKOVER ARK   | ARKANSAS       | 3 | 14.650  |
| 29  | MICHAMBER NORTH OF HAY ISLE          | CALIFORNIA     | 1 | 14.500  |
| 30  | MOUGHFORCK CR NE CATALDOCHIE NC INAC | NORTH CAROLINA | 1 | 13.000  |
| 31  | ROCKY R NEAR OAKBOND NC INACT-79081  | NORTH CAROLINA | 2 | 13.000  |
| 32  | POTPAU RIVER NEAR HEAVENLY           | KENTUCKY       | 2 | 11.510  |
| 33  | CATCH RIVER & BNAFIELD, ARK.         | ARKANSAS       | 3 | 11.201  |
| 34  | L'ANGUILLE RIVER NE BAKIABNA ARK     | ARKANSAS       | 1 | 10.370  |
| 35  | QUALCHITA RIVER NE BAKIABNA ARK      | ARKANSAS       | 2 | 10.345  |
| 36  | TYRONZA RIVER NEAR THIST ARK         | ARKANSAS       | 1 | 10.100  |
| 37  | DUTCH BUFFALO CR & NC HMT 100 INACT  | NORTH CAROLINA | 1 | 10.000  |
| 38  | BAYON RETO NEAR LONKE, ARK.          | ARKANSAS       | 2 | 9.565   |
| 39  | LITTLE CATALDOCHIE CR NE CATALDOCHIE | NORTH CAROLINA | 1 | 9.560   |
| 40  | POTPAU RIVER NEAR BONT INACT, ARK    | KENTUCKY       | 4 | 9.560   |
| 41  | ARKANSAS RIVER NEAR BUNRUCIE         | KENTUCKY       | 2 | 9.000   |
| 42  | NEFT GRABER LOCK/DAN NEAN INOLA      | KENTUCKY       | 1 | 9.000   |
| 43  | NEUSHO RIVER NEAR FT. GIBSON         | KENTUCKY       | 1 | 9.000   |
| 44  | CALAMASH CR 1.2 MI US SMITH INACT-   | NORTH CAROLINA | 1 | 8.679   |
| 45  | 100 YDS WEST OF BIG CANYON NASH      | CALIFORNIA     | 1 | 8.525   |
| 46  | KIARICI RIVER NEAR BATTLE            | KENTUCKY       | 2 | 8.500   |
| 47  | ILLINOIS RIVER NEAR BATTLE           | KENTUCKY       | 4 | 8.500   |
| 48  | CALAMASH RIVER WEST OF CONWAY ARK    | ARKANSAS       | 1 | 8.119   |
| 49  | ST FRANCIS R N OF HILINA ARK         | ARKANSAS       | 3 | 8.216   |
| 50  | CATALDOCHIE CREEK NEAN CATALDOCHIE   | NORTH CAROLINA | 1 | 8.049   |
| 51  | SUNSET BAY AT NAVY BUOYS             | CALIFORNIA     | 1 | 8.074   |
| 52  | DELL FUNK NEAR BULL                  | KENTUCKY       | 1 | 8.000   |
| 53  | VERMIGNE RIVER NEAN CATHEDRAL        | KENTUCKY       | 1 | 8.000   |
| 54  | VERMIGNE RIVER NEAN INOLA            | KENTUCKY       | 1 | 8.000   |
| 55  | ROCKY R & SHILOH NE BURNSVILLE INAC  | NORTH CAROLINA | 2 | 7.715   |
| 56  | ARKANSAS RIVER NEAR PUNCA CITY       | KENTUCKY       | 1 | 7.715   |

TABLE A-1. (Continued)

| OBJ | LOC                                     | STATE          | N | MEAN    |
|-----|-----------------------------------------|----------------|---|---------|
| 57  | CANADIAN RIVER AT CALVIN                | OKLAHOMA       | 4 | 1.75000 |
| 58  | BIG RAYON NR JINOPH AKA                 | ARKANSAS       | 1 | 1.39900 |
| 59  | LITTLE RIVER NR PAULA AKA               | ARKANSAS       | 2 | 1.34400 |
| 60  | MISSISSIPPI RIVER AT HANFIELD           | ARKANSAS       | 2 | 1.09900 |
| 61  | BAYOU LOUPE NR JUNCTION CITY AR         | ARKANSAS       | 2 | 1.01400 |
| 62  | HIND CREEK AT CATOUSA                   | OKLAHOMA       | 1 | 1.00000 |
| 63  | BURMAN CREEK SOUTH OF LEFLOVILLE        | ARKANSAS       | 1 | 0.54400 |
| 64  | ROCKY M MSHING NR DEWESE NC INACT       | NORTH CAROLINA | 1 | 0.54400 |
| 65  | RED RIVER NEAR LAUNIA                   | OKLAHOMA       | 1 | 0.50000 |
| 66  | KIAPICHI RIVER NEAR BIG CREEK           | OKLAHOMA       | 4 | 0.50000 |
| 67  | BLUE RIVER NEAR BLUE                    | OKLAHOMA       | 1 | 0.00000 |
| 68  | COW CREEK AT WAUHKA                     | OKLAHOMA       | 2 | 0.00000 |
| 69  | SALT FORK OF ARKANSAS NEAR JET          | OKLAHOMA       | 3 | 0.00000 |
| 70  | RED RIVER NEAR DOLANIDGE AKA            | ARKANSAS       | 3 | 0.95413 |
| 71  | BAYOU DEVIL NR GIBSON, AKA.             | ARKANSAS       | 3 | 0.71567 |
| 72  | CACHE RIVER NR CASH, AKA.               | ARKANSAS       | 2 | 0.54400 |
| 73  | MOORE RIVER NR AKA-LA LINE              | LOUISIANA      | 3 | 0.29913 |
| 74  | WHITE R AT LEO NO 1                     | ARKANSAS       | 2 | 0.19400 |
| 75  | FORT HOWARD PAPER AT GREYHAY, MI.       | WISCONSIN      | 1 | 0.00000 |
| 76  | RED RIVER AT DEARB, TEX                 | TEXAS          | 1 | 0.00000 |
| 77  | DEPT FORK NEAR AMADIA                   | OKLAHOMA       | 1 | 0.00000 |
| 78  | AKA RIVER AT MURRAY LOCK AND DAM        | ARKANSAS       | 2 | 0.44450 |
| 79  | NORTH CANADIAN RIVER NEAR HANIAN        | OKLAHOMA       | 4 | 0.93750 |
| 80  | BAYOU BANTHOLONE NR JOHNS LA            | LOUISIANA      | 3 | 0.63517 |
| 81  | RED RIVER AT ANTHON CITY, TEX           | OKLAHOMA       | 3 | 0.66667 |
| 82  | 50 YARDS U/S OF COAST NAT BRIDGE        | CALIFORNIA     | 1 | 0.61400 |
| 83  | LITTLE RIVER NEAR IDAFEL                | OKLAHOMA       | 3 | 0.33333 |
| 84  | SPAVINAN C N OF CHENOWEE CITY AR        | ARKANSAS       | 2 | 0.20400 |
| 85  | LITTLE MISSOURI RIV NR BOUGHTON         | ARKANSAS       | 3 | 0.06413 |
| 86  | LITTLE RIVER NEAR MORATIO, AKA          | ARKANSAS       | 1 | 0.00000 |
| 87  | BIG PAPILLION C AT BELLEVUE OFAN        | NEBRASKA       | 1 | 0.00000 |
| 88  | HUFF CREEK NEAR MOUTH                   | WEST VIRGINIA  | 1 | 0.00000 |
| 89  | OUACHITA RIVER NR PENCIL HUFF           | ARKANSAS       | 2 | 0.79900 |
| 90  | HUGGY HUGGY CREEK NEAR FANIS            | OKLAHOMA       | 4 | 0.75000 |
| 91  | ARKANSAS RIVER AT WALSTON               | OKLAHOMA       | 3 | 0.66667 |
| 92  | AKA RIVER NR FORT SMITH                 | ARKANSAS       | 2 | 0.54400 |
| 93  | NW 1/4 15 105 25E 1N                    | OKLAHOMA       | 2 | 0.50000 |
| 94  | SALINE RIVER NR FOUNTAIN HILL AKA       | ARKANSAS       | 1 | 0.39900 |
| 95  | OUACHITA RIVER NEAR DUNNOD              | OKLAHOMA       | 3 | 0.33333 |
| 96  | NORTH CANADIAN RIVER AT WOODWARD        | OKLAHOMA       | 3 | 0.33333 |
| 97  | RT FORK NEAR HATFIELD AKA               | ARKANSAS       | 1 | 0.30900 |
| 98  | OUACHITA RIVER AT FLOYD PT. DAM         | ARKANSAS       | 3 | 0.24400 |
| 99  | ROCKY M MSHING NR MOOREVILLE INAC       | NORTH CAROLINA | 1 | 0.19400 |
| 100 | RFD RIVER NEAR GAINSVILLE, TEX          | OKLAHOMA       | 2 | 0.00000 |
| 101 | ARKANSAS RIVER AT SAML SPRINGS          | OKLAHOMA       | 4 | 0.00000 |
| 102 | NORTH CANADIAN RIVER NR EL RENO         | OKLAHOMA       | 4 | 0.00000 |
| 103 | SALINE RIVER NR CULBERT AKA             | ARKANSAS       | 1 | 0.56400 |
| 104 | ARKANSAS RIVER NEAR HASKELL             | OKLAHOMA       | 4 | 0.75000 |
| 105 | LITTLE RIVER AT BRIGHT CITY             | OKLAHOMA       | 4 | 0.50000 |
| 106 | BLUE RIVER NEAR CUMBERVILLE (CONTINUED) | OKLAHOMA       | 2 | 0.50000 |
| 107 | CIPAHON RIVER NEAR HUFFALL              | OKLAHOMA       | 4 | 0.50000 |
| 108 | RED RIVER NEAR LEBAL                    | OKLAHOMA       | 3 | 0.33333 |
| 109 | ILLINOIS RIVER NEAR GCHT                | OKLAHOMA       | 3 | 0.33333 |
| 110 | ARKANSAS RIVER AT LOCK AND DAM 3        | ARKANSAS       | 2 | 0.24400 |
| 111 | NW 1/4 15 17N 13E 1N                    | OKLAHOMA       | 2 | 0.00000 |
| 112 | ARKANSAS R NEAR WIDGENS FALLS LOCK      | OKLAHOMA       | 2 | 0.00000 |

TABLE A-1. (Continued)

| UNS | LOC                                    | STATE    | N | FEAR    |
|-----|----------------------------------------|----------|---|---------|
| 113 | DEER FORK NEAR WELLSFORD               | OKLAHOMA | 3 | 2.00000 |
| 114 | CIPPAWAGON RIVER AT PEELING            | OKLAHOMA | 5 | 2.00000 |
| 115 | OUACHITA RIVER AT PEL-ENTAL ARK        | ARKANSAS | 2 | 1.64950 |
| 116 | ILLINOIS RAYON NW OF DOVER ARK         | ARKANSAS | 1 | 1.73900 |
| 117 | NORTH FORK OF THE RED RIVER NEAR MT    | OKLAHOMA | 3 | 1.66667 |
| 118 | CANADIAN RIVER AT BRIDGEPORT           | OKLAHOMA | 3 | 1.66667 |
| 119 | HURRICANE CREEK NW SANDIS ARK          | ARKANSAS | 3 | 1.54913 |
| 120 | ARKANSAS RIVER AT DAVID D TENNY LOC    | ARKANSAS | 1 | 1.50000 |
| 121 | SE SW SW SEC 12 9N 10E 1M              | OKLAHOMA | 2 | 1.50000 |
| 122 | CHINASKIA RIVER NEAR BLACKBELL         | OKLAHOMA | 2 | 1.50000 |
| 123 | WHITE RIVER W OIL THROUGH, ARK.        | ARKANSAS | 1 | 1.44200 |
| 124 | KINGS RIVER NW HENRYVILLE, ARK.        | ARKANSAS | 2 | 1.39995 |
| 125 | MULBERRY RIVER AT INTERSTATE 40        | ARKANSAS | 1 | 1.28900 |
| 126 | ARK RIVER NW DARDANELLE                | ARKANSAS | 1 | 1.17900 |
| 127 | BIG LIMEY CREEK AT HWY 164             | ARKANSAS | 1 | 1.15900 |
| 128 | RAYON DEVIEW NEAR HENSFIELD, ARK       | ARKANSAS | 2 | 1.04945 |
| 129 | MURKIN RIVER NEAR RIVER NEAR HENSFIELD | OKLAHOMA | 1 | 1.00000 |
| 130 | ROBT S BERN LOCK/DAN NW SALLISAW       | OKLAHOMA | 1 | 1.00000 |
| 131 | CANADIAN RIVER NEAR WHITEFIELD         | OKLAHOMA | 1 | 1.00000 |
| 132 | LITTLE RIVER NEAR SASAKWA              | OKLAHOMA | 1 | 1.00000 |

TABLE A-2. FRESHWATER REGIONS CONTAINING ELEVATED SEDIMENT LEVELS OF LEAD.  
CONCENTRATIONS ARE IN mg/kg.

| NO. | LOC.                                   | STATE          | N | MEAN    |
|-----|----------------------------------------|----------------|---|---------|
| 1   | DANVILLE ST AT DANVILLE AT TO CLAN     | ARKANSAS       | 1 | 7250.0  |
| 2   | CONNECTICUT RIVER AT HOUTT, PA         | PENNSYLVANIA   | 1 | 19000.0 |
| 3   | ST LOUIS DALLAS R AT INAVILLE, I       | IDAHU          | 1 | 17500.0 |
| 4   | LAKE JESSUP NE DICTON                  | FLORIDA        | 1 | 11000.0 |
| 5   | NEW JERSEY ZINC 1000 GUTFALL           | VIRGINIA       | 3 | 10313.1 |
| 6   | BURLINGTON MUNICIPAL SLUDGE            | IGNA           | 1 | 10300.0 |
| 7   | BENNHART RUN AT READING, PA.           | PENNSYLVANIA   | 2 | 10300.0 |
| 8   | INDIA CREEK STP AT CHARLOTTE NC TO     | NORTH CAROLINA | 3 | 10240.0 |
| 9   | JACK'S FUNK NEAR HACKETT, ARK.         | ARKANSAS       | 1 | 6000.0  |
| 10  | NEW JERSEY ZINC 1000 GUTFALL           | VIRGINIA       | 1 | 7500.0  |
| 11  | COLUMBIA RIVER AT HUGO LAKE            | IDAHO          | 1 | 5500.0  |
| 12  | 2400P 294.0 PT WILLEN FLN              | NEW YORK       | 1 | 5100.0  |
| 13  | LUMP ELM HOLLOW AT JOPLIN, MO          | MISSOURI       | 1 | 5000.0  |
| 14  | DAYOU TICHE, AT OLIVIER, LA.           | LOUISIANA      | 1 | 5000.0  |
| 15  | E. H. H. H. H. JUST FROM MOUND ST.     | CHIO           | 1 | 4600.0  |
| 16  | COLUMBUS SO STP AT COLUMBUS GA CHAT    | GEORGIA        | 1 | 4365.0  |
| 17  | 041 HARKEN C RR HARKENSBURG OH         | CHIO           | 1 | 4200.0  |
| 18  | MURKINS SLOUGH US-401                  | FLORIDA        | 1 | 4142.6  |
| 19  | CHARLES CITY STP DIGESTED SLUDGE       | IOBA           | 6 | 4116.3  |
| 20  | WILSON RESERVOIR                       | ALABAMA        | 1 | 4000.0  |
| 21  | UNAZIL CREEK NEAR WILLS OK             | OKLAHOMA       | 1 | 4000.0  |
| 22  | ARKANSAS RIVER AT ARKANSAS CITY        | KANSAS         | 1 | 3770.0  |
| 23  | LAKE PROVIDENCE NORTH OF LAKE PHOV     | LOUISIANA      | 1 | 3500.0  |
| 24  | LAKE WAPATO, 50 YDS IN ASOTIN ST D     | WASHINGTON     | 1 | 3300.0  |
| 25  | MOHIL CANAL                            | TEXAS          | 1 | 3200.0  |
| 26  | CODORUS CR AT NORTH YORK, PA.          | PENNSYLVANIA   | 1 | 3200.0  |
| 27  | GALLATIN STP AT GALLATIN TA TO CUMB    | TENNESSEE      | 1 | 3180.0  |
| 28  | BASEIN 1                               | ILLINOIS       | 7 | 3022.5  |
| 29  | LAKE WAPATO 50 YDS IN ASOTIN ST DN     | WASHINGTON     | 1 | 3000.0  |
| 30  | BLUF CREEK IN BLOCKEN, OK              | OKLAHOMA       | 1 | 3000.0  |
| 31  | UNAZIL CREEK NEAR RED OAK OK           | OKLAHOMA       | 1 | 3000.0  |
| 32  | HACARDHENS AND FURNES CO CARBON        | NEW JERSEY     | 1 | 2900.0  |
| 33  | JURNEY CR IN COAL CITY IND             | INDIANA        | 1 | 2900.0  |
| 34  | CUMESTOGA R IN LANCASTER, IA.          | PENNSYLVANIA   | 1 | 2600.0  |
| 35  | MAPLE CREEK STP AT GREEN SC TO MAPL    | NORTH CAROLINA | 2 | 2600.5  |
| 36  | MURHOLDT STP AT MURHOLDT TN TO FOUN    | TENNESSEE      | 1 | 2665.0  |
| 37  | LAKE FINE OVER STONEY POINT LAKE       | PICHIGAN       | 1 | 2100.0  |
| 38  | CHARLES CITY STP IAN SLUDGE            | IOBA           | 6 | 2575.0  |
| 39  | LAKE WAPATO, 100 YDS IN ASOTIN ST      | WASHINGTON     | 1 | 2500.0  |
| 40  | DAYOU GROSSE TYLE AT FUSIDALE          | LOUISIANA      | 1 | 2500.0  |
| 41  | LAKE VERMONT IN FINE PARI              | LOUISIANA      | 1 | 2500.0  |
| 42  | SAN BERNARD R TIDAL & CHURCHILL INI    | TEXAS          | 1 | 2470.0  |
| 43  | LA WAPATO, ON WASH MAIN ALUPOUCI       | WASHINGTON     | 1 | 2400.0  |
| 44  | LAKE WAPATO, 100 YDS IN ASOTIN ST      | WASHINGTON     | 1 | 2300.0  |
| 45  | 041 UNHARKEN C RR & GONGERFERN OH      | CHIO           | 1 | 2300.0  |
| 46  | THIRD CREEK STP AT STATESVILLE NC T    | NORTH CAROLINA | 1 | 2290.0  |
| 47  | L. BLACK CRR BRIDGAY AVE; FRUITPORT    | PENNSYLVANIA   | 1 | 2100.0  |
| 48  | WPSI STP AT CAR RIDGE TA TO EAST TO    | TENNESSEE      | 1 | 2074.0  |
| 49  | ST JOSEPH R IN LANSAN OF CHICAGO ST IN | MICHIGAN       | 1 | 2045.0  |
| 50  | SAN JACINTO R-110 HARKEN               | TEXAS          | 1 | 2039.0  |
| 51  | SOURIS RIVER IN FURNACE, MI            | NORTH CAROLINA | 1 | 2000.0  |
| 52  | TALLUKA CR TRIN IN TIGLIER CR          | OKLAHOMA       | 1 | 2000.0  |
| 53  | JACK. FUNK RR WILLIAM, OK              | OKLAHOMA       | 1 | 2000.0  |
| 54  | LAKE PROVIDENCE AT LAKE PROVIDENCE,    | LOUISIANA      | 1 | 2000.0  |
| 55  | LAKE HARKEN                            | SOUTH CAROLINA | 1 | 1900.0  |
| 56  | NICHOLSONVILLE CR AT LINDSBURN, PA.    | PENNSYLVANIA   | 1 | 1900.0  |

TABLE A-2. (Continued)

| LINE | LOC                                      | STATE          | N | PRICE   |
|------|------------------------------------------|----------------|---|---------|
| 57   | SILVER LAKE 100 FT FROM HIGH TENSE       | PASSACHUSETTS  | 1 | 1690.00 |
| 58   | COFFIN NO. 1 RESERVOIR                   | MASSACHUSETTS  | 4 | 1050.00 |
| 59   | GOVANUS CANAL NEAR 260-47 INHOULIN-      | NEW YORK       | 1 | 1635.00 |
| 60   |                                          |                | 1 | 1630.00 |
| 61   | ALABAMA RIVER NEAR 97 INHOULIN           | ALABAMA        | 1 | 1624.00 |
| 62   | TRIPPLE CREEK STP AT STATESVILLE NC      | NORTH CAROLINA | 1 | 1620.00 |
| 63   | SILVER LAKE 15 FT FROM N. CREEK          | PASSACHUSETTS  | 1 | 1612.00 |
| 64   | LAKE WAPATO, 70 YARDS FROM WATER MAIN AC | WASHINGTON     | 1 | 1600.00 |
| 65   | CLIVELAND STP AT CLEVELAND TN TO SO      | TENNESSEE      | 2 | 1741.50 |
| 66   | NEWTOWN CR SOUTH OF ENGLISH HILLS-0      | NEW YORK       | 1 | 1722.00 |
| 67   | SILVER LAKE 200 FT SW OF BUILDING        | MASSACHUSETTS  | 1 | 1710.00 |
| 68   | INDIANA HARBOR                           | INDIANA        | 1 | 1700.00 |
| 69   | LAKE WAPATO, 70 YARDS FROM WATER MAIN    | WASHINGTON     | 1 | 1700.00 |
| 70   | LAKE WAPATO, 70 YARDS FROM WATER MAIN    | WASHINGTON     | 1 | 1700.00 |
| 71   | GOVANUS CANAL NEAR BOND ST. BROOKLYN     | NEW YORK       | 1 | 1699.00 |
| 72   | LAKE WAPATO, 125 YARDS FROM WATER MAIN   | WASHINGTON     | 1 | 1600.00 |
| 73   | NEWTOWN CR NORTH OF METROPOLITAN AV      | NEW YORK       | 1 | 1600.00 |
| 74   | PONCA CR NEAR 0.05 MI BLM CONF WITH      | KANSAS         | 1 | 1600.00 |
| 75   | UNION TRAIL TO HARP                      | VIRGINIA       | 1 | 1570.00 |
| 76   | SILVER LAKE MIDDLE OF WEST END COV       | MASSACHUSETTS  | 1 | 1560.00 |
| 77   | NEWTOWN CREEK NEAR RADIO TOWERS-REV      | NEW YORK       | 1 | 1523.00 |
| 78   | GOVANUS CANAL BETWEEN ISLAND AND 2ND     | NEW YORK       | 1 | 1505.00 |
| 79   | LAKE WAPATO, ADJ TO AINSWORTH ST DR      | WASHINGTON     | 1 | 1500.00 |
| 80   | LAKE ERIE EAST OF STONEY POINT           | MICHIGAN       | 3 | 1500.00 |
| 81   | SAINT JOES CREEK AT ST. PETERSBURG, FL   | FLORIDA        | 1 | 1500.00 |
| 82   | BUCK CREEK NEAR NEW OAK CR               | CALIFORNIA     | 1 | 1500.00 |
| 83   | GOVANUS CANAL NEAR PRESIDENT ST. BRO     | NEW YORK       | 1 | 1490.00 |
| 84   | LAKE WAPATO, ADJ TO AINSWORTH ST DR      | WASHINGTON     | 1 | 1400.00 |
| 85   | LAKE WAPATO, ADJ TO AINSWORTH ST DR      | WASHINGTON     | 1 | 1400.00 |
| 86   | INDIANA HARBOR                           | INDIANA        | 1 | 1400.00 |
| 87   | BUCK CREEK NEAR CITYSHURG                | PENNSYLVANIA   | 1 | 1400.00 |
| 88   | DELAWARE R AT LANHERTVILLE NJ            | NEW JERSEY     | 1 | 1400.00 |
| 89   | LITTLE RIVER CANAL AT 577 AT MIAMI       | FLORIDA        | 1 | 1400.00 |
| 90   | EVILYN FRANCH NEAR BAYARD, IL            | ILLINOIS       | 1 | 1400.00 |
| 91   | OHIO OLDTOWN C AT LOGAN CR               | OHIO           | 1 | 1400.00 |
| 92   | NEWTOWN CREEK NW OF WASHINGTON CREEK-0   | NEW YORK       | 1 | 1363.00 |
| 93   | TUSCUMBIA STP AT TUSCUMBIA AL TO SP      | ALABAMA        | 1 | 1360.00 |
| 94   | LAKE ERIE MAUMEE CHANNEL OLD DREDGE      | OHIO           | 3 | 1366.67 |
| 95   | HOBBS CREEK STP AT TOLLING GREEN         | PENNSYLVANIA   | 3 | 1351.33 |
| 96   | BAYOU LA CAMPE AT BOUZA                  | LOUISIANA      | 2 | 1350.00 |
| 97   | INDIANA HARBOR                           | INDIANA        | 1 | 1300.00 |
| 98   | LAKE WAPATO, 125 YARDS FROM WATER MAIN A | WASHINGTON     | 1 | 1300.00 |
| 99   | ENGLISH HILLS SOUTH OF GRAND AVE-AT      | NEW YORK       | 1 | 1300.00 |
| 100  | LAKE ERIE NORTH OF PORT CLINTON DAM      | OHIO           | 1 | 1300.00 |
| 101  | LAKE PATTON                              | SOUTH CAROLINA | 1 | 1290.00 |
| 102  | GOVANUS CANAL NEAR UNION ST. BROOKLYN    | NEW YORK       | 1 | 1267.00 |
| 103  | ECHO PAT HARBOR S. OF 500 NORTH OF E     | NEW YORK       | 1 | 1254.00 |
| 104  | MASSACHUSETTS RIVER AT PORT DEVEREUX, MA | PASSACHUSETTS  | 3 | 1233.33 |
| 105  | ENGLISH HILLS CR-SW OF NEWTOWN CR-AT     | NEW YORK       | 1 | 1202.00 |
| 106  | FOUR HOLE SWAMP AT 5-30-50 SE CAMP       | SOUTH CAROLINA | 1 | 1200.00 |
| 107  | LAKE WAPATO 100 YARDS FROM AINSWORTH ST  | WASHINGTON     | 1 | 1200.00 |
| 108  | LAKE WAPATO, 125 YARDS FROM WATER MA     | WASHINGTON     | 1 | 1200.00 |
| 109  | LAKE ERIE FORT HUE CHANNEL               | MICHIGAN       | 1 | 1200.00 |
| 110  | NEWTOWN CR SW OF TERRY PRIC. - CUPER     | NEW YORK       | 1 | 1200.00 |
| 111  | PONCA CR NEAR COAL CITY, IND. SITE 41    | INDIANA        | 1 | 1200.00 |
| 112  | PARKVILLE LAKE                           | TENNESSEE      | 2 | 1200.00 |

TABLE A-2. (Continued)

| OLS | LOC                                  | STATE            | N | MPA     |
|-----|--------------------------------------|------------------|---|---------|
| 113 | L. TRAC CRK ARLINE RY; FRUITPORT     | MUSKOGEE CO., MI | 1 | 1200.00 |
| 114 | MUNA L 500FT SW LITTLE BLACK CR; NO  | MUSKOGEE CO., MI | 1 | 1162.00 |
| 115 | CLARK LAKE                           | INDIANA          | 1 | 1128.00 |
| 116 | WESTCHUTE CREEK CHANNEL AT ST PET    | NEW YORK         | 1 | 1116.00 |
| 117 | LA MAPATO, APPX 200 YDS FL SOUTH 7   | WASHINGTON       | 1 | 1100.00 |
| 118 | US GYPSUM CO DARTFIELD MI            | NEW YORK         | 1 | 1100.00 |
| 119 | LA MAPATO 100 YDS FR AINSWORTH ST    | WASHINGTON       | 1 | 1100.00 |
| 120 | LAKE ERIE MONROE CHANNEL             | MICHIGAN         | 1 | 1100.00 |
| 121 | ASSISCUNK C NH DUNSTON NJ            | NEW JERSEY       | 1 | 1100.00 |
| 122 | PATONA N NH GLEZEN IND               | INDIANA          | 1 | 1100.00 |
| 123 | ONE S I WOLF C NH WATERTOWN OH       | OHIO             | 1 | 1100.00 |
| 124 | PLASTER CR SILVER CR STORM DRN IN    | KENT CO., MI     | 1 | 1100.00 |
| 125 | LAKE MAISON                          | SOUTH CAROLINA   | 1 | 1050.00 |
| 126 | LAKE ERIE MOUTH OF OTTAWA RIVER      | MICHIGAN         | 2 | 1065.00 |
| 127 | MUNA L 1000FT N. MUNA LA PKO MONTON  | MUSKOGEE CO., MI | 1 | 1061.00 |
| 128 | LAKE ERIE MAUNIE CHANNEL             | OHIO             | 3 | 1076.67 |
| 129 | LAKE ERIE MAUNIE CHANNEL             | OHIO             | 4 | 1042.50 |
| 130 | NORTH BRANCH HANCOCKS CRK AT PLML    | NEW JERSEY       | 2 | 1035.00 |
| 131 | LAKE ERIE MAUNIE CHANNEL NEW BRIDGE  | OHIO             | 3 | 1023.33 |
| 132 | KLARATH RIVER AT RENO BRIDGE         | OREGON           | 2 | 1006.50 |
| 133 | LAKE MAPATO, ADJACENT TO WILLOW ISL  | WASHINGTON       | 1 | 1000.00 |
| 134 | LAKE ERIE MOUTH OF RIVER MAISON      | MICHIGAN         | 1 | 1000.00 |
| 135 | LAKE ERIE MAUNIE CHANNEL             | OHIO             | 3 | 1000.00 |
| 136 | PONEST CITY STP SLUDGE               | ICWA             | 1 | 1000.00 |
| 137 | TALONA CREEK NEAR STILLER CR         | OKLAHOMA         | 1 | 1000.00 |
| 138 | SHURNAY ARROYO NEAR WATKINSON, NH    | NEW MEXICO       | 1 | 1000.00 |
| 139 | GUADALUPE RIVER AT SAN JOSE, CALIF.  | CALIFORNIA       | 1 | 1000.00 |
| 140 | SPELLEN CR THIN, SITE 34 AT PLEASANT | INDIANA          | 1 | 1000.00 |
| 141 | CULI DRAIN AT US-13166TH ST; MTOMI   | MICHIGAN         | 1 | 1000.00 |
| 142 | LAKE ERIE MONROE CHANNEL             | MICHIGAN         | 3 | 993.33  |
| 143 | FLUSHING CR. SOUTHWEST AREA-AT BEND  | NEW YORK         | 1 | 992.00  |
| 144 | DELFIN STP SLUDGE SITE               | ICWA             | 1 | 990.00  |
| 145 | LAKE ERIE BETWEEN DETROIT AND WUON   | MICHIGAN         | 5 | 988.00  |
| 146 | NASHVILLE CENTRAL STP AT NASHVILLE   | TENNESSEE        | 1 | 961.00  |
| 147 | LAKE ERIE MIDWAY ALONG THE MOUNTAIN  | MICHIGAN         | 1 | 960.00  |
| 148 | MAINTUA C AT PITPAH NJ               | NEW JERSEY       | 1 | 970.00  |
| 149 | SHYDRANE RIVER AT HANARONCKA AVE     | NEW YORK         | 1 | 970.00  |
| 150 | LITTLE BLACK CR AT FIRST ST.; MONTG  | MUSKOGEE CO., MI | 1 | 960.00  |
| 151 | LAKE ERIE EAST OF OTTER CREEK        | MICHIGAN         | 1 | 950.00  |
| 152 | FT. MADISON MUNICIPAL SLUDGE         | ICWA             | 1 | 941.00  |
| 153 | LA MAPATO, APPX 135 YDS FL SOUTH 1   | WASHINGTON       | 1 | 940.00  |
| 154 | LA MAPATO, APPX 135 YDS FL SOUTH 7   | WASHINGTON       | 1 | 940.00  |
| 155 | LAKE ERIE EAST OF CATAMBA ISLAND MI  | OHIO             | 1 | 940.00  |
| 156 | LITTLE CREEK                         | VIRGINIA         | 1 | 930.00  |
| 157 | MTAK R. AT STEAMBOAT LAUG. SOUTH OF  | NEW YORK         | 1 | 922.00  |
| 158 | HUTCHINSON N CHANNEL NEAR FALCON DA  | NEW YORK         | 1 | 921.00  |
| 159 | POTATO CR STP AT GILFILL GA TO POT   | GEORGIA          | 1 | 916.00  |
| 160 | JEFFERSONTOWN STI AT JEFFERSONTOWN   | KENTUCKY         | 1 | 912.00  |
| 161 | NEWTON CR NORTH OF GREENPOINT AVE-   | NEW YORK         | 1 | 910.20  |
| 162 | LAKE ERIE MOUTH 1 OF CONSUMER 106    | MICHIGAN         | 2 | 905.00  |
| 163 | PORTAGE CR AT MICHIGAN AVE; CITY OF  | MICHIGAN         | 2 | 900.66  |
| 164 | PORTAGE CR AT E. I VINE ST.; CITY O  | MICHIGAN         | 1 | 900.00  |
| 165 | ST JOE 1 UPON HILLSDALE DRIP; HILLSD | MICHIGAN         | 1 | 893.00  |
| 166 | LAKE ERIE TOLDO WATCH INTAKE CHIN    | OHIO             | 4 | 885.00  |
| 167 | LAKE ERIE SOUTHWEST OF KILLEYS LA    | OHIO             | 1 | 880.00  |
| 168 | HARRY CR JIP NH INCHASVILLE NC TO N  | NORTH CAROLINA   | 1 | 879.00  |

TABLE A-2. (Continued)

| ONS | LOC                                    | STATE          | N | RIAN    |
|-----|----------------------------------------|----------------|---|---------|
| 169 | HUTCHINSON RIVER CHANNEL SOUTH OF H    | NEW YORK       | 1 | 878.000 |
| 170 | LAKE ERIE MAUREL CHANNEL TOLEDO MAI    | OHIO           | 2 | 875.000 |
| 171 | ICHU MAY HARBOR AT SUP EAST OF CLIF    | NEW YORK       | 1 | 872.000 |
| 172 | MIAMI CANAL AT HUS-S & S/S AT LAKE     | FLORIDA        | 1 | 870.000 |
| 173 | KATAHAWOON R. AT FULL SIMPSON CITY O   | MICHIGAN       | 1 | 870.000 |
| 174 | WILSON STR AT WILSON NC AT CONIENTE    | NORTH CAROLINA | 1 | 864.000 |
| 175 | MORONGUELA RIVER MILL O.H              | PENNSYLVANIA   | 1 | 860.000 |
| 176 | ELIZABETHTON STR AT ELIZABETHTON TN    | TENNESSEE      | 1 | 855.000 |
| 177 | CHAHAN STR AT CHAHAN NC TO TOWN LHA    | NORTH CAROLINA | 1 | 851.000 |
| 178 | JOPLIN CREEK AT JOPLIN, MO             | MISSOURI       | 1 | 850.000 |
| 179 | REBAKE BAY EAST SHORE LANAILLE TO S    | NEW JERSEY     | 1 | 845.000 |
| 180 | KATAHAWOON RIVER N OF ROSEL AVE; KATIA | MICHIGAN       | 1 | 840.000 |
| 181 | PASSAIC R. NEARBY PI. BEACH CHNL. H. O | NEW JERSEY     | 1 | 830.000 |
| 182 | SCHUYLKILL RIVER AT DEANE, PA.         | PENNSYLVANIA   | 1 | 830.000 |
| 183 | EASTSIDE STR AT HIGH POINT NC TO KI    | NORTH CAROLINA | 1 | 830.000 |
| 184 | PARROSVILLE LAKE                       | TENNESSEE      | 1 | 830.000 |
| 185 | 1201 EAST OF SANDY HOOK ST PA          | NEW JERSEY     | 1 | 820.000 |
| 186 | LAKE ERIE SANDUSKY BAY WEST OF COAL    | OHIO           | 1 | 820.000 |
| 187 | HIGHEST HIG SLUDGE                     | ICWA           | 1 | 816.000 |
| 188 | LA VAPATO, APPH 135 YPUS FH SOUTH 7    | WASHINGTON     | 1 | 810.000 |
| 189 | ST JOSEPH R AT CO RD FH BRISTOL        | INDIANA        | 1 | 810.000 |
| 190 | RIO DE LA PLATA AT TOA ALTA, PR        | PUERTO RICO    | 1 | 800.000 |

TABLE A-3. FRESHWATER REGIONS CONTAINING ELEVATED SEDIMENT LEVELS OF MERCURY.  
CONCENTRATIONS ARE IN mg/kg.

| NO. | LOCATION                            | STATE      | N | mg/kg   |
|-----|-------------------------------------|------------|---|---------|
| 1   | ROUGE RIVER-OLD CHANNEL             | MICHIGAN   | 1 | 40000.0 |
| 2   | DETROIT RIVER                       | MICHIGAN   | 1 | 24000.0 |
| 3   | DETROIT RIVER                       | MICHIGAN   | 1 | 15000.0 |
| 4   | HILO BAY                            | HAWAII     | 1 | 5133.0  |
| 5   | CARSON R. @ RIVERVIEW               | NEVADA     | 1 | 5226.0  |
| 6   | GILA RIVER AT GILLESPIE DAM         | ARIZONA    | 1 | 3171.0  |
| 7   | HAULIWIHI BAY                       | HAWAII     | 1 | 2174.0  |
| 8   | ALAMO LAKE                          | ARIZONA    | 1 | 1577.0  |
| 9   | LYNN LAKE                           | ARIZONA    | 1 | 1572.0  |
| 10  | MOSELUMBEY R. AT MOOREHEAD          | CALIFORNIA | 1 | 1466.0  |
| 11  | YUBA RIVER NEAR MARYSVILLE          | CALIFORNIA | 1 | 1464.0  |
| 12  | KAHULUI BAY                         | HAWAII     | 1 | 1443.0  |
| 13  | AMERICAN R. AT ELIANTO ST.          | CALIFORNIA | 1 | 1400.0  |
| 14  | TUGLOUNE RIVER AT TUGLOUNE CITY     | CALIFORNIA | 1 | 1367.0  |
| 15  | BUFFALO CR. AT AMERICAN RIVER       | CALIFORNIA | 1 | 1351.0  |
| 16  | MOULDER CREEK AT MOUTH              | ARIZONA    | 1 | 1359.0  |
| 17  | QUERES R. AT TIRREDAHA BR.          | CALIFORNIA | 1 | 1312.0  |
| 18  | SANTA ANA RIVER BELOW PRADO DAM     | CALIFORNIA | 1 | 1305.0  |
| 19  | PATAGONIA LAKE                      | ARIZONA    | 1 | 1302.0  |
| 20  | ALAMO R. IN CALIFORNIA              | CALIFORNIA | 1 | 1279.0  |
| 21  | MOULDER CREEK ABOVE MOULDER CREEK   | ARIZONA    | 1 | 1276.0  |
| 22  | SAN FRANCISCO R. AT CLIFTON         | ARIZONA    | 1 | 1273.0  |
| 23  | MOULDER CREEK BELOW MULHOLLAND WASH | ARIZONA    | 1 | 1272.0  |
| 24  | AMERICAN R. AT MATTS AVE.           | CALIFORNIA | 1 | 1272.0  |
| 25  | LAKE ERIE SANDUSKY BAY SOUTHWEST CO | CHIO       | 2 | 1250.0  |
| 26  | COPPER CREEK AB MOULDER CREEK       | ARIZONA    | 1 | 1241.0  |
| 27  | LAKE TAHOE AT SAND HARBOR           | NEVADA     | 1 | 1229.0  |
| 28  | LAKE ERIE MAUMEE BAY NEAR TIP OF CL | CHIO       | 1 | 1200.0  |
| 29  | LABOUMIAN DAM                       | NEVADA     | 1 | 1166.0  |
| 30  | COLORADO RIVER BELOW PARKER DAM     | ARIZONA    | 1 | 1176.0  |
| 31  | COLORADO R. @ YUBA                  | ARIZONA    | 1 | 1110.0  |
| 32  | LAKE ERIE SOUTH OF SAND CREEK       | CHIO       | 1 | 830.0   |
| 33  | LAKE ERIE DAVIS LESSE INTAKE        | CHIO       | 2 | 635.0   |
| 34  | LAKE ERIE SANDUSKY BAY WEST OF COAL | CHIO       | 5 | 622.0   |
| 35  | LAKE ERIE (VIN STONEY POINT) CHIO   | MICHIGAN   | 2 | 540.0   |
| 36  | LAKE ERIE MAUMEE CHANNEL            | CHIO       | 5 | 516.0   |
| 37  | LAKE ERIE SANDUSKY BAY EAST OF DAY  | CHIO       | 1 | 510.0   |
| 38  | LAKE ERIE EAST OF STONEY POINT      | MICHIGAN   | 5 | 500.0   |
| 39  | LAKE ERIE MAUMEE CHANNEL            | CHIO       | 5 | 496.0   |
| 40  | LAKE ERIE MAUMEE CHANNEL TOLEDO HAN | CHIO       | 5 | 494.0   |
| 41  | LAKE ERIE MAUMEE CHANNEL            | MICHIGAN   | 5 | 486.0   |
| 42  | LAKE ERIE NORTHWEST OF HURON BRIDGE | CHIO       | 5 | 486.0   |
| 43  | LAKE ERIE MAUMEE CHANNEL            | CHIO       | 4 | 462.5   |
| 44  | LAKE ERIE SOUTH OF SANDUSKY BAY     | CHIO       | 1 | 480.0   |
| 45  | LAKE ERIE SOUTHWEST OF MOUTH OF OTT | CHIO       | 1 | 480.0   |
| 46  | LAKE ERIE BETWEEN HURON AND VERMILL | CHIO       | 5 | 478.0   |
| 47  | LAKE ERIE MAUMEE CHANNEL OLD BRIDGE | CHIO       | 4 | 465.0   |
| 48  | LAKE ERIE SOUTH OF STONEY CREEK IN  | MICHIGAN   | 2 | 460.0   |
| 49  | LAKE ERIE MOUTH OF WITEN CREEK      | MICHIGAN   | 1 | 460.0   |
| 50  | LAKE ERIE SOUTH OF PORT CLINTON HAN | CHIO       | 4 | 410.0   |
| 51  | LAKE ERIE SOUTH OF HURON RIVER      | CHIO       | 5 | 460.0   |
| 52  | LAKE ERIE MAUMEE CHANNEL NEW BRIDGE | CHIO       | 5 | 450.0   |
| 53  | LAKE ERIE NORTHWEST OF SANDUSKY BAY | CHIO       | 5 | 448.0   |
| 54  | LAKE ERIE SANDUSKY BAY WEST OF BRID | CHIO       | 5 | 440.0   |
| 55  | LAKE ERIE EAST OF HAMILTON          | CHIO       | 5 | 416.0   |
| 56  | LAKE ERIE TOLEDO BAYE INTAKE CHIO   | CHIO       | 8 | 433.0   |

TABLE A-3. (Continued)

| LINE | LOC                                    | STATE          | A | AMOUNT  |
|------|----------------------------------------|----------------|---|---------|
| 57   | LAKE ERIE WEST OF HUNTER BRIDGE SPOT   | OHIO           | 1 | 436.000 |
| 58   | LAKE ERIE SANDUSKY BAY NEAR VEHICLE    | OHIO           | 4 | 425.000 |
| 59   | LAKE ERIE NORTH OF HUNTER BRIDGEMALL   | OHIO           | 5 | 418.000 |
| 60   | RED HOOK PLATS SOUTH SECT. AT FAY RI   | NEW YORK       | 1 | 411.000 |
| 61   | LAKE ERIE NORTHEAST OF CONSUMERS POU   | MICHIGAN       | 4 | 407.500 |
| 62   | LAKE ERIE MONROE CHANNEL               | MICHIGAN       | 2 | 405.000 |
| 63   | LAKE ERIE BETWEEN WARD CANAL AND CH    | OHIO           | 1 | 400.000 |
| 64   | LAKE ERIE SOUTH OF SHAW CREEK          | MICHIGAN       | 4 | 392.500 |
| 65   | LAKE ERIE SOUTH OF SANDY CREEK         | MICHIGAN       | 1 | 390.000 |
| 66   | LAKE ERIE NEAR TOLEDO NORTHEAST OF     | OHIO           | 3 | 390.000 |
| 67   | RED HOOK PLATS NORTH SECT. AT FAY RI   | NEW YORK       | 1 | 389.000 |
| 68   | LAKE ERIE SOUTHWEST OF RELIEFS ISLA    | OHIO           | 2 | 380.000 |
| 69   | LAKE ERIE SANDUSKY BAY SOUTH OF JOH    | OHIO           | 2 | 380.000 |
| 70   | LAKE ERIE EAST OF CAYANNA ISLAND RI    | OHIO           | 5 | 378.000 |
| 71   | LAKE ERIE NORTHEAST OF OLD ROMANS C    | OHIO           | 5 | 370.000 |
| 72   | LAKE ERIE MONROE CHANNEL               | MICHIGAN       | 1 | 360.000 |
| 73   | HOOPER HOSPITAL                        | TENNESSEE      | 1 | 350.000 |
| 74   | LAKE ERIE SOUTH OF RIVER RAISE         | MICHIGAN       | 2 | 340.000 |
| 75   | LONG ISLAND SOUND                      | CONNECTICUT    | 1 | 322.000 |
| 76   | LAKE ERIE NORTH OF HUNTER RIVER ROU    | OHIO           | 5 | 318.000 |
| 77   | LAKE ERIE BETWEEN DETROIT AND HUNTER   | MICHIGAN       | 4 | 317.500 |
| 78   | LAKE ERIE EAST OF CONSUMERS POUEN PL   | MICHIGAN       | 4 | 312.500 |
| 79   | LAKE ERIE NORTH OF PORT CLINTON HAN    | OHIO           | 4 | 310.000 |
| 80   | LAKE ERIE NORTH OF COULEY CREEK ROU    | OHIO           | 1 | 310.000 |
| 81   | LAKE ERIE NEAR SANDUSKY SUBMERSED C    | OHIO           | 5 | 300.000 |
| 82   | LAKE ERIE BETWEEN SANDUSKY AND HURO    | OHIO           | 5 | 296.000 |
| 83   | LAKE ERIE SANDUSKY BAY NEAR MUDDY C    | OHIO           | 4 | 290.000 |
| 84   | CHEAT RIVER HANDBOOK N TH 2 AT WINSLOW | NEW JERSEY     | 1 | 270.000 |
| 85   | MISS. R. 1 MI. NORTH OF JACK LA.       | LOUISIANA      | 1 | 263.000 |
| 86   | LAKE ERIE SOUTH OF MOUILLET CREEK      | MICHIGAN       | 1 | 260.000 |
| 87   | LAKE ERIE DAVIS BRIDGE OUTFALL         | OHIO           | 1 | 260.000 |
| 88   | LAKE ERIE SOUTH OF TOUSSAINT RIVER     | OHIO           | 2 | 260.000 |
| 89   | LAKE ERIE EAST OF OTTIE CREEK          | MICHIGAN       | 2 | 245.000 |
| 90   | LAKE ERIE NORTH OF MUDDY CREEK         | MICHIGAN       | 3 | 243.333 |
| 91   | HAMIL ROAD BRIDGE                      | TENNESSEE      | 1 | 240.000 |
| 92   | LAKE ERIE SOUTH OF LAFLAING CREEK      | MICHIGAN       | 5 | 234.000 |
| 93   | LAKE ERIE ENTRANCE TO MOUILLET CHAN    | OHIO           | 5 | 222.000 |
| 94   | LAKE ERIE EAST OF OTTIE CREEK          | MICHIGAN       | 1 | 220.000 |
| 95   | LAKE ERIE TOLEDO EDISON BAYSHORE OU    | OHIO           | 1 | 220.000 |
| 96   | OUTLOOK SCHOOL FOR GIRLS STP           | WISCONSIN      | 1 | 220.000 |
| 97   | LAKE ERIE EAST OF OTTIE CREEK          | MICHIGAN       | 1 | 210.000 |
| 98   | LAKE ERIE NORTHEAST OF PORT CLINTON    | OHIO           | 2 | 205.000 |
| 99   | RICHARD CREEK & SH 1185 NEAR HIGH      | NORTH CAROLINA | 1 | 200.000 |
| 100  | LAKE ERIE NEAR HUNTER SUBMERSED CHIE   | OHIO           | 1 | 200.000 |
| 101  | LAKE ERIE SOUTH OF OLD ROMANS CREEK    | OHIO           | 1 | 193.200 |
| 102  |                                        |                | 4 | 192.500 |
| 103  | LAKE ERIE MONROE POWER PLANT EFFLUE    | MICHIGAN       | 1 | 190.000 |
| 104  | LAKE ERIE WEST OF PORT CLINTON TARK    | OHIO           | 1 | 190.000 |
| 105  | LAKE ERIE HIGHWAY ALONG THE MOUNTAIN   | MICHIGAN       | 3 | 190.000 |
| 106  | ST COLEMAN DALLME N AT ENAVILLE, I     | IDAHO          | 1 | 190.000 |
| 107  | BUFFALO BRIDGE                         | TENNESSEE      | 1 | 190.000 |
| 108  | MISS. R. 1 MI. OFF CHIMNEY CR. O       | ILLINOIS       | 1 | 179.000 |
| 109  | LAKE ERIE SOUTH OF OTTAWA RIVER        | MICHIGAN       | 1 | 170.000 |

TABLE A-4. FRESHWATER REGIONS CONTAINING ELEVATED SEDIMENT LEVELS OF ZINC.  
CONCENTRATIONS ARE IN mg/kg.

| OPS | LOC                                  | STATE          | N | CONC   |
|-----|--------------------------------------|----------------|---|--------|
| 1   | GALATIN STP AT GALATIN TN TO CORN    | MISSISSIPPI    | 1 | 400000 |
| 2   | THIRD CREEK STP AT STATESVILLE NC 1  | NORTH CAROLINA | 1 | 154400 |
| 3   | THIRD CREEK STP AT STATESVILLE NC 7  | NORTH CAROLINA | 1 | 160000 |
| 4   | ANACONDA CO. (DRALES DIV)            | WISCONSIN      | 1 | 400000 |
| 5   | FLAT HATHOOD CORN OUTFALL OUT; LOW   | MICHIGAN       | 1 | 59600  |
| 6   | BITTER CREEK NEAR THE VERDE RIVER    | ARIZONA        | 2 | 16000  |
| 7   | LAKE JESSE RE SITE                   | FLORIDA        | 1 | 16000  |
| 8   | SE COUSE DALLIN W AT CHAVILLE, I     | IDAHO          | 1 | 10400  |
| 9   | HOOVER DALLINBANKING-1.0. DITCH      | MICHIGAN       | 1 | 25000  |
| 10  | GRANDSEEP RIVER NEAR IDAHO           | COLORADO       | 1 | 24000  |
| 11  | DEWITT STP                           | MICHIGAN       | 1 | 23200  |
| 12  | NEWTON CH SOUTH OF ENGLISH KILLS-C   | NEW YORK       | 1 | 19900  |
| 13  | HAYNES CREEK ON JAMESON RD OLIPH     | NEW YORK       | 1 | 16000  |
| 14  | HOOVER DALLINBANKING-SETTLE POND     | MICHIGAN       | 1 | 16000  |
| 15  | RED CEDAR TOWER UPST UTILEA DISCH    | MICHIGAN       | 2 | 15500  |
| 16  | BOWLING CREEK STP AT BOWLING GREEN   | KENTUCKY       | 4 | 14942  |
| 17  | JOHN DEERE SLUDGE                    | INDIA          | 1 | 13600  |
| 18  | CONNECTICUT RIVER AT HOLLISTON, MA   | MASSACHUSETTS  | 2 | 13250  |
| 19  | HEMLOCK AREA HAZARDOUS WASTE SITE 1  | TENNESSEE      | 1 | 13210  |
| 20  | CLEAR LAKE & CHANNEL HANCOCK 17      | TEXAS          | 1 | 12540  |
| 21  | NEWTON CH SOUTH OF METROPOLITAN AV   | NEW YORK       | 1 | 12000  |
| 22  | CLEVELAND HANCOCK                    | INDIA          | 1 | 11000  |
| 23  | LA ROBINSON AT 5-13-306 E ACCEL      | SOUTH CAROLINA | 1 | 11000  |
| 24  | ONE TAIL TO HAMP                     | VIRGINIA       | 1 | 10700  |
| 25  | INDIANA HANCOCK                      | INDIANA        | 1 | 10000  |
| 26  | FT. MADISON MUNICIPAL SLUDGE         | ILLINOIS       | 1 | 10000  |
| 27  | BAKIN 1                              | ILLINOIS       | 4 | 9678   |
| 28  | ENGLISH KILLS CH-N OF NEWTON CH-N    | NEW YORK       | 1 | 9542   |
| 29  | NEWTON CREEK NEAR RADIO TOWERS-REV   | NEW YORK       | 1 | 9317   |
| 30  | INDIAN CREEK STP AT CHARLOTTE NC 10  | NORTH CAROLINA | 3 | 9029   |
| 31  | NEWTON CREEK N OF HANCOCK CREEK-C    | NEW YORK       | 1 | 8645   |
| 32  | WESTERN LITHOPLATE SLUDGE/CHAIN      | MISSOURI       | 1 | 8500   |
| 33  | COMPOS CHRISTI HANCOCK - VILLA TURNI | TEXAS          | 1 | 8057   |
| 34  | GLASS GUICH RD LANDING STP           | IDAHO          | 1 | 8359   |
| 35  | CLEVELAND STP AT CLEVELAND IN TO CO  | TENNESSEE      | 2 | 6054   |
| 36  | HIGHEST REG SLUDGE                   | INDIA          | 2 | 5035   |
| 37  | GREENVILLE STP AT GREENVILLE TN 7    | TENNESSEE      | 1 | 5771   |
| 38  | TAMPOPO STP AT TAMPOPO NC 10 TAN RI  | NORTH CAROLINA | 1 | 5650   |
| 39  | FLORIAN PARK, NJ STP                 | NEW YORK       | 2 | 5540   |
| 40  | ASPHENHO STP AT ASHENO NC 10 HACH    | NORTH CAROLINA | 1 | 5470   |
| 41  | NEWTON CH N OF PINEY BRIDGE-QUEEN    | NEW YORK       | 1 | 5454   |
| 42  | UNION CH STP AT JOHNSON CITY TN 10   | TENNESSEE      | 1 | 5412   |
| 43  | NEPANE STP AT NEPANE NC 10 HANCOCK   | NORTH CAROLINA | 1 | 5330   |
| 44  | ENGLISH KILLS SOUTH OF CHAND AV-FI   | NEW YORK       | 2 | 5310   |
| 45  | COLUMBIA R. AT NORFOLK VI.           | WASHINGTON     | 1 | 5200   |
| 46  | BROOK CH STP AT JOHNSON CITY TN 10   | TENNESSEE      | 1 | 5122   |
| 47  | WILSON LESHVUAM                      | ALABAMA        | 1 | 5110   |
| 48  | MUSKILLVILLE STP AT MUSKILLVILLE KY  | KENTUCKY       | 1 | 4902   |
| 49  | NASHVILLE CENTRAL STP AT NASHVILLE   | TENNESSEE      | 1 | 4910   |
| 50  | EVILYN HANCOCK NEAR HANCOCK, IL      | ILLINOIS       | 1 | 4900   |
| 51  | 1 CHIFFIN CREEK OFFSHORE TOWNSHIP 1  | FLORIDA        | 2 | 4840   |
| 52  | FOURTH CH STP AT NASHVILLE TN 11     | TENNESSEE      | 1 | 4752   |
| 53  | INDIANA HANCOCK                      | INDIANA        | 1 | 4600   |
| 54  | JEFFERSON CITY STP AT JEFFERSON CITY | TENNESSEE      | 1 | 4400   |
| 55  | FORT PAYNE STP AT FORT PAYNE AL 10   | ALABAMA        | 1 | 4291   |
| 56  | WHITE CLAY CREEK AT DE WY. BRIDGE    | GEORGIA        | 1 | 4251   |

TABLE A-4. (Continued)

| ONS | LOC                                  | STATE             | A | REAR    |
|-----|--------------------------------------|-------------------|---|---------|
| 57  | WEST ST AT VAN HORN IN TO EAST RD    | TENNESSEE         | 2 | 4239.00 |
| 58  | INDIANA HARBOR                       | INDIANA           | 1 | 4200.00 |
| 59  | CANFILL DIGGER TETON SLUDGE          | IDaho             | 1 | 4100.00 |
| 60  | TUSCUMBIA ST AT TUSCUMBIA AL TO SI   | ALABAMA           | 1 | 4160.00 |
| 61  | BYTHLETH STEEL COLVERT AT DUNE ACN   | INDIANA           | 1 | 4160.00 |
| 62  | PARKSVILLE LAKE                      | TENNESSEE         | 2 | 4050.00 |
| 63  | BLACK MINGO CR AT SC AT NE ANDREWS   | SOUTH CAROLINA    | 1 | 4000.00 |
| 64  | BUNTINGTON MUNICIPAL SLUDGE          | ALMA              | 1 | 4000.00 |
| 65  | NEWTON CREEK AT ROSCIUSKO BRIDGE-L   | NEW YORK          | 1 | 3925.00 |
| 66  | GREAT PLE DLE AT END OF CO RD5       | SOUTH CAROLINA    | 1 | 3918.00 |
| 67  | BOTHINSIDE STP AT DUNELN NC TO ELLER | SOUTH CAROLINA    | 2 | 3960.00 |
| 68  | FOREST CITY STP SLUDGE               | ALMA              | 1 | 3700.00 |
| 69  | P. MARQ. LAK OLD WALK DISCH; P. MAR  | PASCO CO., FL     | 1 | 3700.00 |
| 70  | MUNA L. SLUFF SW LITTLE BLACK CR; NO | RUSKELTON CO., FL | 1 | 3636.00 |
| 71  | CORPUS CHRISTI-INNEN H-NATIG LAY     | TEXAS             | 2 | 3600.00 |
| 72  | MONQUAGON CHODND AN BN UPSTB JEFF A  | MICHIGAN          | 1 | 3600.00 |
| 73  | PUNCA CR APPA O.O.S MI BLW CONE WITH | KANSAS            | 1 | 3500.00 |
| 74  | MONQUAGON CHODND BODIT FRK MOUTH I   | MICHIGAN          | 1 | 3500.00 |
| 75  |                                      | TENNESSEE         | 1 | 3400.00 |
| 76  | METAL ROAD TURNOUT                   | TENNESSEE         | 1 | 3400.00 |
| 77  | MILAN ST AT MILAN TEAN TO BOIT CR    | TENNESSEE         | 1 | 3318.00 |
| 78  | NEWTON CR MOUTH OF CHENPOINT AVE-    | NEW YORK          | 1 | 3272.00 |
| 79  | RED BANK STP AT RED BANK IN TO TRNN  | TENNESSEE         | 1 | 3266.00 |
| 80  | ONEGON SCHOOL FOR GIRLS STP          | MISSISSIPPI       | 1 | 3230.00 |
| 81  | MOCKY CREEK STP AT CHESTER SC TO NO  | SOUTH CAROLINA    | 2 | 3215.00 |
| 82  | HOGINS BRIDGE                        | TENNESSEE         | 2 | 3200.00 |
| 83  | OCOLF NO. 1 RESERVOIR                | TENNESSEE         | 1 | 3200.00 |
| 84  | WILSON STP AT WILSON NC AT CONTENTI  | NORTH CAROLINA    | 1 | 3055.00 |
| 85  | ARMONHEAD RTR. LAKE (1)-BASIN 7      | VIRGINIA          | 1 | 3050.00 |
| 86  | MOUTH OF HUSH CR, 100 YDS UPST FROM  | KANSAS            | 5 | 3047.80 |
| 87  | INDIANA HARBOR                       | INDIANA           | 1 | 3000.00 |
| 88  | PHILLIPS OFF SITE SLUDGE             | KANSAS            | 1 | 3000.00 |
| 89  | ROCK CREEK BEAK GITTYSBURG           | PENNSYLVANIA      | 1 | 2950.00 |
| 90  | COLE CR. 50 YDS ANY. LUMP. WITH      | TEXAS             | 1 | 2937.00 |
| 91  | CHOVEN ST STP AT PHILCHAND AL TO TH  | ALABAMA           | 1 | 2912.00 |
| 92  | NASHVILLE CENTRAL STP AT NASHVILLE   | TENNESSEE         | 3 | 2902.13 |
| 93  | INDIANA HARBOR                       | INDIANA           | 2 | 2900.00 |
| 94  | TUSCUMBIA STP AT TUSCUMBIA AL TO SP  | ALABAMA           | 1 | 2890.00 |
| 95  | WEST FORD RIVER AT ENTERPRISE, AL    | WEST VIRGINIA     | 1 | 2800.00 |
| 96  | D20.QUEST PA N & ENTERPRISE NY       | WEST VIRGINIA     | 1 | 2800.00 |
| 97  | DANDHIDGE STP AT DANDHIDGE IN TO IN  | TENNESSEE         | 1 | 2865.00 |
| 98  | MINERAL BRANCH AT CARTERSVILLE, MO   | MISSOURI          | 1 | 2800.00 |
| 99  | CARTER CREEK AT GRONOCO, MO          | MISSOURI          | 1 | 2800.00 |
| 100 | TURKEY CREEK AT LON DUNELC, MO       | MISSOURI          | 1 | 2800.00 |
| 101 | JUPLIN CREEK AT JUPLIN, MO           | MISSOURI          | 1 | 2800.00 |
| 102 | TURKEY CREEK AT JUPLIN, MO           | MISSOURI          | 1 | 2800.00 |
| 103 | LONE ELK HOLLOW AT JUPLIN, MO        | MISSOURI          | 1 | 2800.00 |
| 104 | DELMER STP SLUDGE SITE               | ALMA              | 1 | 2770.00 |
| 105 | NORTH BUFFALO STP AT GREENSBORO NC   | NORTH CAROLINA    | 1 | 2755.00 |
| 106 | LAKEVILLE B.-BASIN 7                 | VIRGINIA          | 1 | 2750.00 |
| 107 | NORTH BUFFALO STP AT GREENSBORO NC   | NORTH CAROLINA    | 1 | 2740.00 |
| 108 | ECONOMATI STP AT MONTGOMERY AL TO A  | ALABAMA           | 2 | 2712.00 |
| 109 | MUNA L. SLUFF N. PUNA LA PR MONTON   | RUSKELTON CO., FL | 1 | 2704.00 |
| 110 | INDIANA HARBOR                       | INDIANA           | 1 | 2700.00 |
| 111 | PHINIX CITY STP AT PHINIX CITY AL    | ALABAMA           | 2 | 2673.00 |
| 112 | MAPLE CREEK STP AT CHEN SC TO MAPL   | SOUTH CAROLINA    | 1 | 2656.00 |

TABLE A-4. (Continued)

| NO. | LOC.                                  | STATE          | N | PRICE   |
|-----|---------------------------------------|----------------|---|---------|
| 113 | BUNCOMBE CO STP AT ASHVILLE NC TO F   | NORTH CAROLINA | 1 | 2611.00 |
| 114 | BROOKLYN STP                          | WISCONSIN      | 1 | 2610.00 |
| 115 | DES MOINES STP DIGESTED SLUDGE        | IOWA           | 1 | 2610.00 |
| 116 | KINGSFORD STP AT KINGSFORD TN TO S    | TENNESSEE      | 1 | 2540.00 |
| 117 | CRESTVIEW STP AT CRESTVIEW FL TO TH   | FLORIDA        | 1 | 2522.00 |
| 118 | EAST RIDGE STP AT EAST RIDGE TN TO    | TENNESSEE      | 2 | 2511.00 |
| 119 | MTN OF CLAMBER CH AT BUFFALO RIVER    | ARIZONA        | 1 | 2500.00 |
| 120 | CENTER CREEK BELOW MINERAL BRANCH     | MISSOURI       | 1 | 2500.00 |
| 121 | CENTER CREEK BELOW OKONOVO, MO        | MISSOURI       | 1 | 2500.00 |
| 122 | STANLEY STP AT STANLEY NC TO LITTLE   | NORTH CAROLINA | 1 | 2435.00 |
| 123 | ELIZABETH RIVER                       | VIRGINIA       | 1 | 2430.00 |
| 124 | PT HUCKER STP AT PT HUCKER AL TO CL   | ALABAMA        | 1 | 2412.00 |
| 125 | INDIANA HARBOR                        | INDIANA        | 1 | 2400.00 |
| 126 | CENTER CREEK ABOVE CARL JUNCTION, MO  | MISSOURI       | 1 | 2400.00 |
| 127 | CENTER CREEK NEAR SPRINGFIELD, MO.    | MISSOURI       | 1 | 2400.00 |
| 128 | EAST STP AT OAK RIDGE TN TO CLINCH    | TENNESSEE      | 3 | 2357.33 |
| 129 | JACKSONVILLE STP AT JACKSONVILLE AL   | ALABAMA        | 1 | 2354.00 |
| 130 | HARRISMAN STP AT HARRISMAN TN TO CAMP | TENNESSEE      | 1 | 2345.00 |
| 131 | TUPPER CREEK ABOVE JOPLIN, MO         | MISSOURI       | 1 | 2300.00 |
| 132 | TUNNEY CREEK NEAR JOPLIN, MO          | MISSOURI       | 1 | 2300.00 |
| 133 | SAN MIGUEL RIVER AT MATUNITA, CO.     | COLORADO       | 1 | 2300.00 |
| 134 | LONG LN NW TUNTER (SP N) RR 42.5      | WASHINGTON     | 1 | 2300.00 |
| 135 | SPokane INDUSTRIAL PARK STP EFF       | WASHINGTON     | 2 | 2100.00 |
| 136 | BUFFALO RIVER APPX 1.5 MI BELOW CAR   | ARKANSAS       | 1 | 2285.00 |
| 137 | N BRANCH ELIZABETH                    | VIRGINIA       | 2 | 2270.00 |
| 138 | ATHENS STP AT ATHENS AL TO SWAN CRY   | ALABAMA        | 1 | 2260.00 |
| 139 | T E HAZON STP AT MEMPHIS TN TO MISS   | TENNESSEE      | 1 | 2236.00 |
| 140 | MOHENTAD CITY STP AT MOHENTAD CITY    | NORTH CAROLINA | 1 | 2233.00 |
| 141 | ELIZABETH RIVER                       | VIRGINIA       | 3 | 2230.00 |
| 142 | 100 FEET SOUTH OF DAM                 | CALIFORNIA     | 2 | 2220.00 |
| 143 | HAZONABLE STP                         | WISCONSIN      | 1 | 2220.00 |
| 144 | BELLINGHAM BAY                        | WASHINGTON     | 1 | 2211.00 |
| 145 | DAVENPORT DIGESTED SLUDGE             | IOWA           | 1 | 2200.00 |
| 146 | CENTER CREEK AT CARL JUNCTION, MO     | MISSOURI       | 1 | 2200.00 |
| 147 | E. SIDE DAM AT SIENA HGTS (MI: 64.5)  | MICHIGAN       | 1 | 2200.00 |
| 148 | DRY CREEK STP AT NASHVILLE TN TO DR   | TENNESSEE      | 1 | 2200.00 |
| 149 | HOLLYWOOD STP AT HOLLYWOOD FLA TO A   | FLORIDA        | 1 | 2184.00 |
| 150 | DECONAN STP SLUDGE SITE               | IOWA           | 1 | 2150.00 |
| 151 | NEWTOWN CH WEST OF DUTCH KILLS        | NEW YORK       | 1 | 2146.00 |
| 152 | ROCKDALE STP                          | WISCONSIN      | 1 | 2130.00 |
| 153 | LEBANON STP AT LEBANON TN TO HAZON    | TENNESSEE      | 1 | 2128.00 |
| 154 | BOUSE CREEK STP AT WARRER BOBBINS G   | GEORGIA        | 1 | 2122.00 |
| 155 | 100 FEET NORTH OF ISLAND              | CALIFORNIA     | 2 | 2100.00 |
| 156 | GRATON STP                            | WISCONSIN      | 1 | 2100.00 |
| 157 | VERDE RIVER BELOW PITTER CREEK        | ARIZONA        | 1 | 2100.00 |
| 158 | SUGAR CREEK STP AT CHARLOTTE NC TO    | NORTH CAROLINA | 2 | 2092.50 |
| 159 | ELIZABETH STP AT ELIZABETH TN TO      | TENNESSEE      | 1 | 2086.00 |
| 160 | ATHENS STP NO 2 AT ATHENS GA TO MID   | GEORGIA        | 1 | 2087.00 |
| 161 | SW OF POST POINT BY 2.5 MILES         | WASHINGTON     | 1 | 2050.00 |
| 162 | EASTSIDE STP AT HIGH POINT NC TO MI   | NORTH CAROLINA | 1 | 2035.00 |
| 163 | WOODEN ROCK CREEK AT N112, J25, 114   | OREGON         | 1 | 2000.00 |
| 164 | INDIANA HARBOR                        | INDIANA        | 1 | 2000.00 |
| 165 | HALL'S CREEK HARBOR                   | VIRGINIA       | 1 | 2000.00 |
| 166 | BLACKSTONE RIVER AT MILLVILLE, MA     | MASSACHUSETTS  | 1 | 2000.00 |
| 167 | BLACKSTONE RIVER AT MANVILLE, MI      | MIAMI ISLAND   | 1 | 2000.00 |
| 168 | DES PLAINES RIV AT JACKSON CA NW MI   | ILLINOIS       | 1 | 2000.00 |

TABLE A-4. (Continued)

| ONS | LOC                                    | STATE          | B | DEPT |
|-----|----------------------------------------|----------------|---|------|
| 169 | CUTT'S CHRISTI EARTH DAM ON NARVAH     | TEXAS          | 1 | 2030 |
| 170 | MURKOE STP AT MURKOE NC TO RICHMOND    | NORTH CAROLINA | 1 | 2000 |
| 171 | NEW CLARK JUST WEST UTILET DIST; MA    | MICHIGAN       | 1 | 2000 |
| 172 | LARVILLE NC-BASIN 7                    | VIRGINIA       | 1 | 2000 |
| 173 | MURKOE CHALK AT JEFFERSON AVE IN       | MICHIGAN       | 1 | 2000 |
| 174 | CONARNEY STP DISTRICT SLUDGE           | INDIA          | 1 | 1950 |
| 175 | LARVILLE NC-BASIN 7                    | VERMONT        | 1 | 1950 |
| 176 | POTATO CH STP AT GRIZZIN CA TO PUTA    | GEORGIA        | 1 | 1926 |
| 177 | POACA CH APPR 0.45 MI AWAY COME WITH   | ARKANSAS       | 1 | 1923 |
| 178 | L FUSTIS MIDDLE                        | FLORIDA        | 1 | 1910 |
| 179 | TSALA ATOPH L NO SEC HENDERSON L       | FLORIDA        | 1 | 1910 |
| 180 | CENTER CHALK BELOW LAKE SIDE, NO       | MISSOURI       | 1 | 1900 |
| 181 | NONCANTON STP AT NONCANTON NC TO NC    | NORTH CAROLINA | 1 | 1900 |
| 182 | INTIN-DUNAL POND N AT DUNE ACRES IN    | INDIANA        | 1 | 1900 |
| 183 | HILLINGTON NAVAL AIR STP STP AT MIL    | TENNESSEE      | 1 | 1883 |
| 184 | PASSAIC N. CONL. N. OF WALLINGTON WARD | NEW JERSEY     | 1 | 1840 |
| 185 | BOPE STP AT DUNE AL TO SLAT CREEK      | ALABAMA        | 1 | 1836 |
| 186 | PEARL CHALK                            | VIRGINIA       | 1 | 1830 |
| 187 | TALL DECK STP NO 1 AT TALLFOLGA AL     | ALABAMA        | 1 | 1816 |
| 188 | CATONIA STP AT MONTGOMERY AL TO ALAN   | ALABAMA        | 1 | 1810 |
| 189 | PASSAIC N-LIFT CH. AT CENTER OF PT.    | NEW JERSEY     | 1 | 1800 |
| 190 | BEVAREE PRT LAST SHORE PARALLEL TO S   | NEW JERSEY     | 1 | 1800 |
| 191 | PERMANENT FILMENTS NO 1 SLUDGE         | KANSAS         | 1 | 1800 |
| 192 | CO DA JO HELON BMT LAGOON; MURKOE      | MICHIGAN       | 1 | 1800 |
| 193 | ATHERS STP NO 2 AT ATERNS CA TO NID    | GEORGIA        | 1 | 1800 |
| 194 | BARANAZOD NANN N OF MOSEL AVE; KALAN   | MICHIGAN       | 1 | 1800 |
| 195 | ST CHOUT N - LANN COVE TO JOHNSON CO   | MAINE          | 1 | 1799 |
| 196 | GADSDEN WEST RIVER STP AT GADSDEN A    | ALABAMA        | 1 | 1780 |
| 197 | HAMPTON CH STP ON THOMASVILLE NC TO N  | NORTH CAROLINA | 1 | 1771 |
| 198 | MUSCLE SHOALS STP AT MUSCLE SHOALS     | ALABAMA        | 1 | 1740 |
| 199 | SUBSTATION STP AT SUBSTATION TN TO     | TENNESSEE      | 1 | 1741 |
| 200 | GENEVA STP AT GENEVA AL TO DEE RIVE    | ALABAMA        | 1 | 1730 |
| 201 | ADUS CHALK APPR 1.4 MI AWAY COME WITH  | ARKANSAS       | 1 | 1725 |
| 202 | MANCHESTER STP DISTRICT SLUDGE         | INDIA          | 1 | 1720 |
| 203 | WEST PALM BEACH REG STP AT WEST PAL    | FLORIDA        | 1 | 1715 |

TABLE A-5. FRESHWATER REGIONS CONTAINING ELEVATED SEDIMENT LEVELS OF NICKEL.  
CONCENTRATIONS ARE IN mg/kg.

| QUS | LOC                                       | STATE          | N  | MEAN   |
|-----|-------------------------------------------|----------------|----|--------|
| 1   | FLAT HATHOOD CORP OUTFALL QUS; LO-        | MICHIGAN       | 1  | 210001 |
| 2   | DEWITT ST                                 | MICHIGAN       | 1  | 56000  |
| 3   | HOOVER HALLCHAMING-SETTLING POND          | MICHIGAN       | 1  | 20000  |
| 4   | MARATHON BATTERY                          | NEW YORK       | 1  | 10500  |
| 5   | MARATHON BATTERY                          | NEW YORK       | 1  | 1910   |
| 6   | MARATHON BATTERY                          | NEW YORK       | 1  | 6000   |
| 7   | SULPHUR RIVER NEAR TALCO, TEX.            | TEXAS          | 1  | 6000   |
| 8   | MALCOLM RIVER DUSTY ROAD DISCH.; CT       | CONNECTICUT    | 1  | 5000   |
| 9   | SOUTH SULPHUR R RIVER COOPER, TEX         | TEXAS          | 1  | 5500   |
| 10  | MARATHON BATTERY                          | NEW YORK       | 1  | 5216   |
| 11  | SULPHUR RIVER NEAR TALCO, TEXAS           | TEXAS          | 1  | 5000   |
| 12  | BOGGY BAYOU NE BETHAVILLE, LA             | LOUISIANA      | 1  | 5000   |
| 13  | RED CEDAR 100FT WEST UTILITY DISCH; IA    | MICHIGAN       | 2  | 4700   |
| 14  | FOUNDRY COVE                              | NEW YORK       | 1  | 4600   |
| 15  | THIRD CREEK STP AT STATESVILLE NC T       | NORTH CAROLINA | 1  | 4600   |
| 16  | LAURENCEBURG RIVER AT LAURENCEBURG TN     | TENNESSEE      | 1  | 4514   |
| 17  | MARSH CREEK STP NE THONASVILLE NC TO N    | NORTH CAROLINA | 1  | 4259   |
| 18  | SULPHUR RIVER NEAR DOUGLASSVILLE, TEX     | TEXAS          | 1  | 4000   |
| 19  | CYPRESS CREEK NE LAINGFIELD, TX           | TEXAS          | 1  | 4000   |
| 20  | CYPRESS CREEK NE CEDAR SPRINGS, TX        | TEXAS          | 1  | 4000   |
| 21  | CYPRESS BAYOU NEAR SHREVEPORT, LA         | LOUISIANA      | 1  | 4000   |
| 22  | MARATHON BATTERY                          | NEW YORK       | 10 | 3968   |
| 23  | EAST STP AT VAN RIGGLE TN TO CLINCH       | TENNESSEE      | 3  | 3871   |
| 24  | GALLATIN STP AT GALLATIN RD TO CUMBER     | TENNESSEE      | 1  | 3610   |
| 25  | CYPRESS CREEK NE PITTSBURGH, TEX          | TEXAS          | 1  | 3000   |
| 26  | NEWTOWN CREEK NE OF WASHINGTON CREEK-O    | NEW YORK       | 1  | 2983   |
| 27  | HIGHEST MFG SLUDGE                        | INDIA          | 2  | 2805   |
| 28  | WHITE OAK CREEK NEAR TALCO, TEX.          | TEXAS          | 1  | 2500   |
| 29  | THIRD CREEK STP AT STATESVILLE NC T       | NORTH CAROLINA | 2  | 2313   |
| 30  | E.D. BLANCHARD-JUST BEYOND ROUND ST.      | INDIA          | 1  | 2260   |
| 31  | FOUNDRY COVE                              | NEW YORK       | 1  | 2180   |
| 32  | NEWTOWN CREEK NEAR RADIO TOWERS-NEW       | NEW YORK       | 1  | 2164   |
| 33  | CONNECTICUT RIVER AT HOLYOK, MA           | MASSACHUSETTS  | 2  | 2110   |
| 34  | LAKE O THE PINES NEAR JEFFERSON, TEXAS    | TEXAS          | 1  | 2000   |
| 35  | NEWTOWN CREEK SOUTH OF ENGLISH HILLS-O    | NEW YORK       | 1  | 1522   |
| 36  | HUNTER STP AT HUNTER NC TO RICHMOND       | NORTH CAROLINA | 2  | 1561   |
| 37  | CLEVELAND STP AT CLEVELAND IN TO CO       | TENNESSEE      | 1  | 1394   |
| 38  | ELIZABETHTON STP AT ELIZABETHTON TN       | TENNESSEE      | 1  | 1383   |
| 39  | ENGLISH HILLS CREEK OF NEWTOWN CREEK-AT   | NEW YORK       | 1  | 1240   |
| 40  | LAKE CITY STP AT LAKE CITY SC TO LY       | SOUTH CAROLINA | 1  | 1210   |
| 41  | FOUNDRY CREEK STP AT BRIDGEVILLE TN TO TE | TENNESSEE      | 1  | 1220   |
| 42  | CO DE JO AT HATTISON IN MO; BLOOMSB       | MICHIGAN       | 1  | 1200   |
| 43  | NEWTOWN CREEK SE OF PERRY BRIDGE-QUEEN    | NEW YORK       | 1  | 1116   |
| 44  | MARATHON BATTERY                          | NEW YORK       | 1  | 1080   |
| 45  | FLAT M AT A-21 BRIDGE; LUDWIG THE S       | MICHIGAN       | 1  | 990    |
| 46  | MULTI CREEK STP AT CHESTER SC TO NO       | SOUTH CAROLINA | 2  | 990    |
| 47  | SCHUYLKILL R ABOVE TULFPOLE CREEK A       | PENNSYLVANIA   | 1  | 930    |
| 48  | NEWTOWN CREEK NORTH OF GREENPOINT AVE-    | NEW YORK       | 1  | 841    |
| 49  | ARVIN CREEK STP AT CHARLOTTE NC TO        | NORTH CAROLINA | 2  | 820    |
| 50  | RED CEDAR RIVER AT CHARLEN MO; LEBOY      | MICHIGAN       | 1  | 810    |
| 51  | TRIBUTARY TO BIG CREEK 3-15               | TENNESSEE      | 2  | 755    |
| 52  | FOUNDRY COVE                              | NEW YORK       | 1  | 711    |
| 53  | LEADS STP AT LEADS AL TO LITTLE CAN       | ALABAMA        | 1  | 711    |
| 54  | EASTSIDE STP AT HIGH POINT NC TO N        | NORTH CAROLINA | 1  | 714    |
| 55  | WATER CREEK; 1011, 1045, 1114             | INDIA          | 1  | 700    |
| 56  | FOUNDRY CREEK; 1011, 1045, 1120           | INDIA          | 1  | 700    |

TABLE A-5. (Continued)

| NO. | LOC.                                  | STATE                | N  | DEAL    |
|-----|---------------------------------------|----------------------|----|---------|
| 57  | TRAIL OF HORSES CR; 512,345,124       | OREGON               | 1  | 700.000 |
| 58  | BEAULTY CREEK AT 3531, 305, 00        | OREGON               | 1  | 700.000 |
| 59  | FLORHAM PARK, NJ STP                  | NJ JERSEY            | 1  | 700.000 |
| 60  | NEWTON CREEK AT ROSCIUSKO BRIDGE      | NEW YORK             | 1  | 700.000 |
| 61  | CATONA STP AT MONTICOMERY AT 30 ALAB  | ALABAMA              | 1  | 690.000 |
| 62  | NEWTON CR WEST OF DUTCH KILLS         | NEW YORK             | 1  | 678.300 |
| 63  | CO ON 30 FLOW LATE LAGOON; HONOLU     | MICHIGAN             | 1  | 670.000 |
| 64  | CO ON 30 FLOW HONOLU LATE; HONOLU     | MICHIGAN             | 1  | 670.000 |
| 65  | REL CEDAR RIVER AT CHICORY BL. HAWK   | MICHIGAN             | 2  | 650.000 |
| 66  | E.P.F. BLACK N. WASHINGTON AVE.       | OHIO                 | 1  | 640.000 |
| 67  | KALABAZOU BY FORT LEBLANC BRIDGE      | MICHIGAN             | 1  | 580.000 |
| 68  | HENDERSON STP AT HENDERSON KY TO OH   | KENTUCKY             | 1  | 530.000 |
| 69  | CANADA                                | CANADA               | 1  | 530.000 |
| 70  | BOWLING GREEN STP AT BOWLING GREEN    | KENTUCKY             | 1  | 525.000 |
| 71  | SALINAN R - ABOVE MELINDA ST; HANCON  | MICHIGAN             | 1  | 510.000 |
| 72  | WYNESBORO STP AT WYNESBORO GA TO      | GEORGIA              | 1  | 510.000 |
| 73  | S LINA ROCK CR; 512,345,124           | OREGON               | 1  | 500.000 |
| 74  | TRAIL OF HORSES N; 512,345,124        | OREGON               | 1  | 500.000 |
| 75  | SPENCER CR TRAIL, SITE 34 AT PLEASANT | INDIANA              | 2  | 500.000 |
| 76  |                                       |                      | 4  | 488.500 |
| 77  | WESTSIDE STP AT HIGH POINT NC TO HI   | NORTH CAROLINA       | 1  | 480.000 |
| 78  | NASHVILLE CENTRAL STP AT NASHVILLE    | TENNESSEE            | 1  | 475.000 |
| 79  | NASHVILLE CENTRAL STP AT NASHVILLE    | TENNESSEE            | 1  | 475.111 |
| 80  | FT. MADISON MUNICIPAL SLUDGE          | INDIA                | 1  | 461.000 |
| 81  | ROMA L SOUTH ON LITTLE BLACK CR; NO   | MUSKOGEE CO., MI     | 1  | 454.000 |
| 82  | CORBUS CR AT NORTH YORK, PA.          | PENNSYLVANIA         | 1  | 440.000 |
| 83  | NJO ON NEW CEDAR N. OLD US-16; HAWK   | MICHIGAN             | 2  | 400.000 |
| 84  | HAWAII                                | HAWAII               | 4  | 399.925 |
| 85  | TRAIL TO CHARLIE CR AT SC-11 BL UTI   | SOUTH CAROLINA       | 1  | 380.000 |
| 86  | CORBUS CR AT CAPDEN HAWK N. N         | PENNSYLVANIA         | 1  | 380.000 |
| 87  | 1000 88.0 RUCK HARBOR LIGHT           | NEW YORK             | 2  | 374.500 |
| 88  | ENGLISH HILLS SOUTH OF CHAND AVE-NI   | NEW YORK             | 1  | 370.000 |
| 89  | CHATTANOOGUE R AT 50 701 NW ALBANY    | GEORGIA              | 1  | 370.000 |
| 90  | E. SIDE DRR AT SIFRA HUTS DR; HAWK    | MICHIGAN             | 1  | 370.000 |
| 91  | SPENCER CR TRAIL, SITE 4, 0 PLEASANT  | INDIANA              | 2  | 369.950 |
| 92  | LARK CHARPLAIN S.W. OF WOODS ISLAND   | VERMONT              | 1  | 362.000 |
| 93  | BOCK CREEK HIGH CRYSTALBURG           | PENNSYLVANIA         | 1  | 360.000 |
| 94  | LARK CHARPLAIN IN CUMBERLAND BAY      | NEW YORK             | 1  | 359.000 |
| 95  | REL CEDAR N. AT NICHOLSON 10; HAWK    | MICHIGAN             | 2  | 355.000 |
| 96  |                                       |                      | 15 | 353.880 |
| 97  | ROULET LALLORHAWK-HAWK. HITCH         | MICHIGAN             | 1  | 350.000 |
| 98  | L. BLACK CR ARLINE HUT; HAWK          | MUSKOGEE CO., MI     | 1  | 350.000 |
| 99  | WESTLOCH                              |                      | 12 | 349.250 |
| 100 | LYNCH STP AT LYNN SC TO HILLER TIG    | SOUTH CAROLINA       | 1  | 342.000 |
| 101 | WICHACOQUILLAS CR AT LINDSTON, PA.    | PENNSYLVANIA         | 1  | 340.000 |
| 102 | 1000 336.0 RUCK HARBOR LIGHT          | NEW YORK             | 1  | 340.000 |
| 103 | AUGUSTA CR AT AUGUSTA DRIVE; HAWK     | PENNSYLVANIA CO., MI | 1  | 340.000 |
| 104 | OLS ROINES STP DIGESTED SLUDGE        | INDIA                | 1  | 331.000 |
| 105 |                                       |                      | 6  | 327.813 |
| 106 | 9700 55.0 RUCK HARBOR LIGHT           | NEW YORK             | 1  | 321.000 |
| 107 | BLICK RVR AT LUB OF S-22-419 BL WU    | SOUTH CAROLINA       | 1  | 320.000 |
| 108 | CORBUS CR AT LANCASTER, PA.           | PENNSYLVANIA         | 1  | 320.000 |
| 109 | KALABAZOU R IN N. SOUTHON FLD; HAWK   | MICHIGAN             | 1  | 320.000 |
| 110 | L. BLACK CR DUT SHERMAN HAWK          | MICHIGAN             | 1  | 320.000 |
| 111 | KALABAZOU R AT 10TH ST, CHARLSTON     | MICHIGAN             | 1  | 310.000 |
| 112 | E. HAWK: CHATFLOW SLUDGE HAWK         | OHIO                 | 1  | 310.000 |

TABLE A-5. (Continued)

| NO. | LOC.                                   | STATE             | N | PLAN    |
|-----|----------------------------------------|-------------------|---|---------|
| 113 | DECHOUTIS R. NEAR LUGGS, OHIO          | OHIO              | 1 | 310.000 |
| 114 | HILLO HAY                              | KANSAS            | 1 | 307.875 |
| 115 | COLLIS PROCESS FACTORY STATION         | IDAHO             | 1 | 306.000 |
| 116 | ECONCHATE ST. AT MONTGOMERY AL TO A    | ALABAMA           | 2 | 304.500 |
| 117 | LAFOLLETTE ST. AT LAFOLLETTE IN TO     | TENNESSEE         | 1 | 301.000 |
| 118 | CHATEAU CR; NW1/4, S35, 11W            | OREGON            | 1 | 300.000 |
| 119 | ROCK CR. NW1/4, S35, 11E               | OREGON            | 1 | 300.000 |
| 120 | N. FOR ROCK CR; NE1/4, S35, 12E        | OREGON            | 1 | 300.000 |
| 121 | FOSTER CR. NE1/4, S45, 11W             | OREGON            | 1 | 300.000 |
| 122 | LOFT TREE CR; NW1/4, S45, 11W          | OREGON            | 1 | 300.000 |
| 123 | HARVEY CR. S45, S45, 11W               | OREGON            | 1 | 300.000 |
| 124 | MORRIS MODCANS CR; C11, S55, 12E       | OREGON            | 1 | 300.000 |
| 125 | TRIE OF ROGUE R; NW1/4, S55, 12E       | OREGON            | 1 | 300.000 |
| 126 | WALLACE CREEK AT S45, S45, 9E          | OREGON            | 1 | 300.000 |
| 127 | SALT CREEK AT NE1/4, S45, 7E           | OREGON            | 1 | 300.000 |
| 128 | UNNAMED STREAM AT NE1/4, S45, 7E       | OREGON            | 1 | 300.000 |
| 129 | LITTLE RIVER & TURN OF LITTLE RIVER    | SOUTH CAROLINA    | 1 | 300.000 |
| 130 | CONNECTICUT RIVER AT AGAWAM, MA        | MASSACHUSETTS     | 1 | 300.000 |
| 131 | TRIE NO 2 TO SPENCER CR IN IN AT FLE   | INDIANA           | 1 | 300.000 |
| 132 | INLET TO SOUTH LAKE & PLEASANTVILL     | INDIANA           | 1 | 299.960 |
| 133 | SHADYS VALLEY ST. AT FIRMINGHAM AL     | ALABAMA           | 1 | 299.000 |
| 134 | 9000 15.0 OLCUIT LIGHT FLK             | NEW YORK          | 1 | 295.000 |
| 135 | SHOWN 104.0 THIRTY MI. PT. LIGHT       | NEW YORK          | 1 | 295.000 |
| 136 | SYLACAUGA FIVE POINTS ST. AT SYLACA    | ALABAMA           | 1 | 292.000 |
| 137 | WEST ST. AT OAK RIDGE IN TO EAST TO    | TENNESSEE         | 1 | 292.000 |
| 138 | NEW CEDAR 100YD DIRT UTILITY DISC; MA  | MICHIGAN          | 1 | 290.000 |
| 139 | BONGUAGON CREEK 200 YD IN UPST. JURY A | MICHIGAN          | 1 | 290.000 |
| 140 | DETROIT RIVER LAKE IN IN CHANNELS      | MICHIGAN          | 1 | 289.000 |
| 141 | HARBOR BEACH                           | MICHIGAN          | 1 | 280.000 |
| 142 | 7600 51.0 THIRTY MI. PT. LIGHT         | NEW YORK          | 1 | 280.000 |
| 143 | JOHNSON CR & BOWLING GREEN IN SITE     | INDIANA           | 1 | 280.000 |
| 144 |                                        |                   | 4 | 277.700 |
| 145 | CONNAUT HARBOR                         | CHIC              | 1 | 270.000 |
| 146 | 15200 311.0 BRADLEY PT. LIGHT          | NEW YORK          | 1 | 270.000 |
| 147 | NEE CEDAR RIVER AT STON RD; LUNDA      | LIVINGSTON CO. MI | 1 | 270.000 |
| 148 | ROOSEVELT LAKE S45, S45, 11E           | ARIZONA           | 1 | 265.600 |
| 149 | 6600 291.0 OLCUIT LIGHT FLK            | NEW YORK          | 1 | 265.000 |
| 150 | CYPRESS CREEK ST. AT FLORENCE AL TO    | ALABAMA           | 1 | 262.000 |
| 151 | HARBOR BEACH                           | MICHIGAN          | 1 | 260.000 |
| 152 | INDEPENDENCE N.S. COND. NORTH; STANBAY | INDIA CO., MI     | 1 | 260.000 |
| 153 | KALAMAZOO R. AT 15TH STREET; CORSTO    | MICHIGAN          | 1 | 260.000 |
| 154 | TURKEY CR. IN COAL CITY IND            | INDIANA           | 1 | 260.000 |
| 155 | L. BLACK CR. HARBOR AVE; FAULTON       | ROUSEVON CO., MI  | 1 | 260.000 |
| 156 | WEST PALM BEACH RIG ST. AT WEST PAL    | FLORIDA           | 1 | 250.000 |
| 157 | BEAVERHOLM CREEK                       | VIRGINIA          | 1 | 256.000 |
| 158 | LEON CR. AT PRIVATE RD OFF (QUINTA     | TEXAS             | 1 | 250.000 |
| 159 | 2100 10.0 RICH HARBOR LIGHT            | NEW YORK          | 1 | 250.000 |
| 160 | NORTH BUFFALO ST. AT GREENSBORO NC     | NC IN CAROLINA    | 1 | 245.000 |
| 161 | GREENVILLE ST. AT GREENVILLE IN T      | TENNESSEE         | 1 | 241.000 |
| 162 | INDIANA HARBOR                         | INDIANA           | 1 | 240.000 |
| 163 | 1300 20.0 RICH HARBOR LIGHT            | NEW YORK          | 1 | 240.000 |
| 164 | LITTLE BEACH CR. AT FIRST ST.; BUITO   | ROUSEVON CO., MI  | 1 | 240.000 |
| 165 | BEAVERHOLM CR. AT FIRST ST.; BUITO     | CHICAGO           | 1 | 231.000 |
| 166 | HARVILL-ILLI DAY                       | KANSAS            | 1 | 230.400 |
| 167 | HARBOR BEACH                           | MICHIGAN          | 1 | 230.000 |
| 168 | HARBOR BEACH                           | NEW YORK          | 1 | 230.000 |

TABLE A-5. (Continued)

| ONS | LOC                                   | STATE          | N | N°AB |
|-----|---------------------------------------|----------------|---|------|
| 169 | MANATHON BATTERY                      | NEW YORK       | 1 | 231  |
| 170 | MUNROE HARBOR                         | MICHIGAN       | 1 | 230  |
| 171 | PIGEON CR. BR. DUCK-KIN IND. SITE 819 | INDIANA        | 1 | 230  |
| 172 | LAKE CHAMPLAIN S. OF SOUTH HERO IS.   | VERMONT        | 1 | 242  |
| 173 | REHANI STR. AT REHANI MC TU ROADMAN C | SOUTH CAROLINA | 1 | 222  |
| 174 | ASHTARULA HARBOR, OHIO                | OHIO           | 1 | 220  |
| 175 | KAYONE BAS                            | HAWAII         | 1 | 220  |
| 176 | BLACK RIVER R.P. 10.8                 | OHIO           | 1 | 220  |

TABLE A-6. FRESHWATER REGIONS CONTAINING ELEVATED SEDIMENT LEVELS OF ARSENIC.  
CONCENTRATIONS ARE IN mg/kg.

| NO. | LOC.                                   | STATE         | N  | PPM   |
|-----|----------------------------------------|---------------|----|-------|
| 1   | SALICUMT FERTILIZER SLUDGE             | IOWA          | 1  | 14000 |
| 2   | SALICUMT WASTE TREATMENT SLUD          | IOWA          | 1  | 1000  |
| 3   | LAURENCE ST. SEWERAGE AND WASTE        | ILLINOIS      | 1  | 1500  |
| 4   | PRINCE WENTON FURNACE                  | TEXAS         | 1  | 600   |
| 5   | LONE LAKE TUNNEL (L. 8) BY 4-2-5       | WASHINGTON    | 1  | 6200  |
| 6   | SPokane INDUSTRIAL PARK (L. 11)        | WASHINGTON    | 2  | 6200  |
| 7   | SP. N. & U. LONE LAKE BY 51.00         | WASHINGTON    | 1  | 5000  |
| 8   | INLAND INDUSTRIAL PARK (L. 11) BY 52.0 | WASHINGTON    | 1  | 5000  |
| 9   | FLORHAM PARK, NJ ST.                   | N. J.         | 10 | 3000  |
| 10  | HILLO HAY                              | HAWAII        | 12 | 2115  |
| 11  | CHARLES CITY ST. WASTE SLUDGE          | IOWA          | 6  | 2145  |
| 12  | ELGIN SD IN ELGIN, ILL.                | ILLINOIS      | 1  | 2000  |
| 13  | SW CORNER OF FIFTEENTH LANE            | TEXAS         | 1  | 1800  |
| 14  | CHARLES CITY ST. DIGESTED SLUDGE       | IOWA          | 6  | 155   |
| 15  | WILLOW PARK AT FOOT BRIDGE             | IOWA          | 1  | 1000  |
| 16  | HOUSHELT LAKE DIRT N. ANN              | ARIZONA       | 1  | 798   |
| 17  | SOUTHWEST BRANCH MARICOPPA RIVER       | N. J.         | 1  | 700   |
| 18  | WINDGALL SD IN WINDGALL, ILL.          | ILLINOIS      | 1  | 600   |
| 19  | SALICUMT SOIL SAMPLE                   | IOWA          | 1  | 550   |
| 20  | WYOMING RIVER NEAR FT. GIBSON          | OKLAHOMA      | 1  | 518   |
| 21  | POTEAU RIVER NEAR FORT SMITH, AR       | CALIFORNIA    | 1  | 524   |
| 22  | POTEAU RIVER NEAR FORT SMITH, AR       | CALIFORNIA    | 1  | 524   |
| 23  | THURGOOD LAKE, IN MARSH WASTEWATER     | PENNSYLVANIA  | 4  | 410   |
| 24  | WILKINSON SD GRABY RIVER FARM LANDS    | ILLINOIS      | 1  | 400   |
| 25  | DOWNING GROVE S. D. MAPLE AVE WEST OF  | ILLINOIS      | 1  | 400   |
| 26  | SALICUMT GYPSON SLUDGE                 | IOWA          | 1  | 400   |
| 27  | WYOMING RIVER NEAR THOTTENS, ND        | NORTH DAKOTA  | 1  | 400   |
| 28  | DONKEY C. IN MONROVIA, KY              | KENTUCKY      | 1  | 370   |
| 29  | SP. LONE LAKE N. AT TRAVILLE, I.       | INDIANA       | 1  | 350   |
| 30  | CHICAGO WEST SOUTH WEST RAIL-IL        | ILLINOIS      | 1  | 300   |
| 31  | THIRTY N. AT SIX N. OF THIRTY          | TEXAS         | 1  | 300   |
| 32  | GILA R. AT SELVIA ARIZ                 | ARIZONA       | 1  | 300   |
| 33  | ALAMO LAKE                             | ARIZONA       | 1  | 300   |
| 34  | ILLINOIS RIVER NEAR GORE               | OKLAHOMA      | 1  | 285   |
| 35  | ILLINOIS R. IN CORN                    | OKLAHOMA      | 1  | 285   |
| 36  | UPP LAKE CHARITY WEST SHORE AT RAIL    | FLORIDA       | 1  | 270   |
| 37  | HILLO HAY                              | HAWAII        | 1  | 264   |
| 38  | GRASSY LAKE NEAR MOUNT MARSH, CO.      | COLORADO      | 1  | 250   |
| 39  | LONE LAKE RIVER AT HOLE LAKE           | IDAHO         | 1  | 250   |
| 40  | LONE LAKE EAST OF MARSH LAKE           | IDAHO         | 1  | 240   |
| 41  | LONE LAKE                              | IOWA          | 1  | 219   |
| 42  | SOUTH FORK BEAVERHEAD CREEK AT LOUIS   | KENTUCKY      | 1  | 216   |
| 43  | BEAVERHEAD RIVER NEAR BATTLE           | OKLAHOMA      | 1  | 210   |
| 44  | DANVILLE SD AT DANVILLE KY TO CLAN     | KENTUCKY      | 1  | 215   |
| 45  | COLE'S FERTILIZER WASTE SLUDGE         | IOWA          | 1  | 214   |
| 46  | GILA RIVER AT GILLESPIE DAM            | ARIZONA       | 1  | 225   |
| 47  | LONE LAKE WASTEWATER BY WEST OF COAL   | LOUISIANA     | 1  | 221   |
| 48  | SHAN FURNACE SLUDGE                    | MASSACHUSETTS | 1  | 211   |
| 49  | BEAVER RIVER NEAR SOUTH BEAVER, MI     | NORTH DAKOTA  | 1  | 210   |
| 50  | SW TRIP WATER CH; CO, 125, 11          | OREGON        | 1  | 200   |
| 51  | WATER CH; CO, 125, 11                  | OREGON        | 1  | 210   |
| 52  | WATER CH; CO, 125, 11                  | OREGON        | 1  | 210   |
| 53  | WATER CH; CO, 125, 11                  | OREGON        | 1  | 210   |
| 54  | WATER CH; CO, 125, 11                  | OREGON        | 1  | 210   |
| 55  | WATER CH; CO, 125, 11                  | OREGON        | 1  | 210   |
| 56  | WATER CH; CO, 125, 11                  | OREGON        | 1  | 210   |

TABLE A-6. (Continued)

| LINE | LOC                                     | DATE    | N | PLAT |
|------|-----------------------------------------|---------|---|------|
| 57   | HOP CH; 5619; 315; 21                   | CHICAGO | 1 | 200  |
| 58   | JIR CH; 5613; 315; 21                   | CHICAGO | 1 | 200  |
| 59   | LITTLEWILE CH; 5613; 315; 21            | CHICAGO | 1 | 200  |
| 60   | THIB OF LITTLEWILE CH; 5613; 315; 21    | CHICAGO | 1 | 200  |
| 61   | LITTLE WILSON CH; 5613; 315; 21         | CHICAGO | 1 | 200  |
| 62   | ABOTT CH; 5613; 315; 21                 | CHICAGO | 1 | 200  |
| 63   | JUNSHIRE CH; 5613; 315; 21              | CHICAGO | 1 | 200  |
| 64   | MCALL CH; 5613; 315; 21                 | CHICAGO | 1 | 200  |
| 65   | THIB OF ABOTT CH; 5613; 315; 21         | CHICAGO | 1 | 200  |
| 66   | N THIB OF N THK ABOTT CH; 5613; 315; 21 | CHICAGO | 1 | 200  |
| 67   | THIB OF ABOTT CH; 5613; 315; 21         | CHICAGO | 1 | 200  |
| 68   | DEWITT CH; 5613; 315; 21                | CHICAGO | 1 | 200  |
| 69   | THIB OF DEWITT CH; 5613; 315; 21        | CHICAGO | 1 | 200  |
| 70   | PLAT CH; 5613; 315; 21                  | CHICAGO | 1 | 200  |
| 71   | THIB OF PLAT CH; 5613; 315; 21          | CHICAGO | 1 | 200  |
| 72   | SHILL CH; 5613; 315; 21                 | CHICAGO | 1 | 200  |
| 73   | JONES CH; 5613; 315; 21                 | CHICAGO | 1 | 200  |
| 74   | THIB OF JONES CH; 5613; 315; 21         | CHICAGO | 1 | 200  |
| 75   | SUGARPIKE CH; 5613; 315; 21             | CHICAGO | 1 | 200  |
| 76   | DUDE CREEK CH; 5613; 315; 21            | CHICAGO | 1 | 200  |
| 77   | THIB OF DUDE CREEK CH; 5613; 315; 21    | CHICAGO | 1 | 200  |
| 78   | TINNEY CH; 5613; 315; 21                | CHICAGO | 1 | 200  |
| 79   | HABA CH; 5613; 315; 21                  | CHICAGO | 1 | 200  |
| 80   | ELPHOND CH; 5613; 315; 21               | CHICAGO | 1 | 200  |
| 81   | REBILLE CH; 5613; 315; 21               | CHICAGO | 1 | 200  |
| 82   | TILSON CH; 5613; 315; 21                | CHICAGO | 1 | 200  |
| 83   | SUGARPIKE CH; 5613; 315; 21             | CHICAGO | 1 | 200  |
| 84   | SUGARPIKE CH; 5613; 315; 21             | CHICAGO | 1 | 200  |
| 85   | SUGAR CH; 5613; 315; 21                 | CHICAGO | 1 | 200  |
| 86   | BUTTON CH; 5613; 315; 21                | CHICAGO | 1 | 200  |
| 87   | N THIB SUGAR CH; 5613; 315; 21          | CHICAGO | 1 | 200  |
| 88   | ALLEN CH; 5613; 315; 21                 | CHICAGO | 1 | 200  |
| 89   | BUTTON CH; 5613; 315; 21                | CHICAGO | 1 | 200  |
| 90   | SE THIB OF BUTTON CH; 5613; 315; 21     | CHICAGO | 1 | 200  |
| 91   | THIB OF JACKSON CH; 5613; 315; 21       | CHICAGO | 1 | 200  |
| 92   | LUCK CH; 5613; 315; 21                  | CHICAGO | 1 | 200  |
| 93   | THIB OF JACKSON CH; 5613; 315; 21       | CHICAGO | 1 | 200  |
| 94   | THIB OF JACKSON CH; 5613; 315; 21       | CHICAGO | 1 | 200  |
| 95   | OFAN CH; 5613; 315; 21                  | CHICAGO | 1 | 200  |
| 96   | THORP CH; 5613; 315; 21                 | CHICAGO | 1 | 200  |
| 97   | THIB OF JACKSON CH; 5613; 315; 21       | CHICAGO | 1 | 200  |
| 98   | THIB OF JACKSON CH; 5613; 315; 21       | CHICAGO | 1 | 200  |
| 99   | THIB OF JACKSON CH; 5613; 315; 21       | CHICAGO | 1 | 200  |
| 100  | ABOTT CH; 5613; 315; 21                 | CHICAGO | 1 | 200  |
| 101  | FALCON CH; 5613; 315; 21                | CHICAGO | 1 | 200  |
| 102  | TALON CH; 5613; 315; 21                 | CHICAGO | 1 | 200  |
| 103  | MALIN CH; 5613; 315; 21                 | CHICAGO | 1 | 200  |
| 104  | SUGAR CH; 5613; 315; 21                 | CHICAGO | 1 | 200  |
| 105  | THIB OF BLACK LANTON CH; 5613; 315; 21  | CHICAGO | 1 | 200  |
| 106  | BLACK LANTON CH; 5613; 315; 21          | CHICAGO | 1 | 200  |
| 107  | THIB OF SUGAR CH; 5613; 315; 21         | CHICAGO | 1 | 200  |
| 108  | SUGAR CH; 5613; 315; 21                 | CHICAGO | 1 | 200  |
| 109  | JUNSHIRE CH; 5613; 315; 21              | CHICAGO | 1 | 200  |
| 110  | SOME CH; 5613; 315; 21                  | CHICAGO | 1 | 200  |
| 111  | WILSON CH; 5613; 315; 21                | CHICAGO | 1 | 200  |
| 112  | DEWITT CH; 5613; 315; 21                | CHICAGO | 1 | 200  |

TABLE A-6. (Continued)

| QBS | LOC                                       | STATE  | K | FEET |
|-----|-------------------------------------------|--------|---|------|
| 113 | FRITZLOUT CR, NW 1/4, Sec. 1E             | OREGON | 1 | 201  |
| 114 | TRIP OF JACKSON CR, NW 1/4, Sec. 1E       | OREGON | 1 | 200  |
| 115 | SWANSON CR, NE 1/4, Sec. 2E               | OREGON | 1 | 200  |
| 116 | BITTICKLICK CR, NW 1/4, Sec. 2E           | OREGON | 1 | 200  |
| 117 | E FRA SWANSON CR, NW 1/4, Sec. 2E         | OREGON | 1 | 200  |
| 118 | TRIP OF LK CR, NW 1/4, Sec. 2E            | OREGON | 1 | 200  |
| 119 | LK CR, NW 1/4, Sec. 2E                    | OREGON | 1 | 200  |
| 120 | TRIP OF LK CR; NW 1/4, Sec. 2E            | OREGON | 1 | 200  |
| 121 | LK CR, NW 1/4, Sec. 2E                    | OREGON | 1 | 200  |
| 122 | SQUAN CR, NW 1/4, Sec. 2E                 | OREGON | 1 | 200  |
| 123 | LK CR, NW 1/4, Sec. 2E                    | OREGON | 1 | 200  |
| 124 | BRUSH CR, NW 1/4, Sec. 2E                 | OREGON | 1 | 200  |
| 125 | BRUSH CR, SW 1/4, Sec. 2E                 | OREGON | 1 | 200  |
| 126 | E FRA BRUSH CR; SW 1/4, Sec. 2E           | OREGON | 1 | 200  |
| 127 | N 1/4 BRUSH CR, NW 1/4, Sec. 2E           | OREGON | 1 | 200  |
| 128 | E FRA BRUSH CR; NW 1/4, Sec. 2E           | OREGON | 1 | 200  |
| 129 | N 1/4 BRUSH CR, NW 1/4, Sec. 2E           | OREGON | 1 | 200  |
| 130 | BITTICKLICK CR, SW 1/4, Sec. 1E           | OREGON | 1 | 200  |
| 131 | MCCALL CR, SE 1/4, Sec. 1E                | OREGON | 1 | 200  |
| 132 | HEL FIK CR, SW 1/4, Sec. 2E               | OREGON | 1 | 200  |
| 133 | LITTLE SUNSHINE CR, SW 1/4, Sec. 2E       | OREGON | 1 | 200  |
| 134 | S FRA COQUILLE R; SW 1/4, Sec. 1E         | OREGON | 1 | 200  |
| 135 | TRIP OF S FRA COQUILLE R; SW 1/4, Sec. 1E | OREGON | 1 | 200  |
| 136 | S FRA COQUILLE R; SW 1/4, Sec. 1E         | OREGON | 1 | 200  |
| 137 | SQUAN CR; NW 1/4, Sec. 1E                 | OREGON | 1 | 200  |
| 138 | BRUSH CR; SW 1/4, Sec. 1E                 | OREGON | 1 | 200  |
| 139 | BEAN CR; NW 1/4, Sec. 1E                  | OREGON | 1 | 200  |
| 140 | LOCANANT CR; NW 1/4, Sec. 1E              | OREGON | 1 | 200  |
| 141 | CHARTER CR; NW 1/4, Sec. 1E               | OREGON | 1 | 200  |
| 142 | LARK CR; SW 1/4, Sec. 1E                  | OREGON | 1 | 200  |
| 143 | SAND CR; NW 1/4, Sec. 1E                  | OREGON | 1 | 200  |
| 144 | NOCK CR; NW 1/4, Sec. 1E                  | OREGON | 1 | 200  |
| 145 | S FRA NOCK CR; SW 1/4, Sec. 1E            | OREGON | 1 | 200  |
| 146 | N FRA NOCK CR; SW 1/4, Sec. 1E            | OREGON | 1 | 200  |
| 147 | BILLINGS CR; SW 1/4, Sec. 1E              | OREGON | 1 | 200  |
| 148 | FOSTER CR; NW 1/4, Sec. 1E                | OREGON | 1 | 200  |
| 149 | LONE TREE CR; NW 1/4, Sec. 1E             | OREGON | 1 | 200  |
| 150 | TWO HILL CR; SW 1/4, Sec. 1E              | OREGON | 1 | 200  |
| 151 | SLIDE CR; NW 1/4, Sec. 1E                 | OREGON | 1 | 200  |
| 152 | WATER CR; SW 1/4, Sec. 1E                 | OREGON | 1 | 200  |
| 153 | SHASTA COSTA CR; SW 1/4, Sec. 1E          | OREGON | 1 | 200  |
| 154 | TRIP OF NOCK R; SW 1/4, Sec. 1E           | OREGON | 1 | 200  |
| 155 | TRIP CR; NW 1/4, Sec. 1E                  | OREGON | 1 | 200  |
| 156 | TRIP OF ILLINOIS R; SW 1/4, Sec. 1E       | OREGON | 1 | 200  |
| 157 | HARLY CR; SW 1/4, Sec. 1E                 | OREGON | 1 | 200  |
| 158 | TRIP OF NOCK R; NW 1/4, Sec. 1E           | OREGON | 1 | 200  |
| 159 | TRIP OF NOCK R; NW 1/4, Sec. 1E           | OREGON | 1 | 200  |
| 160 | TRIP OF HILL R; SW 1/4, Sec. 1E           | OREGON | 1 | 200  |
| 161 | HILL R; SW 1/4, Sec. 1E                   | OREGON | 1 | 200  |
| 162 | FOSTER CR; NW 1/4, Sec. 1E                | OREGON | 1 | 200  |
| 163 | TRIP OF FOSTER CR; SW 1/4, Sec. 1E        | OREGON | 1 | 200  |
| 164 | TRIP OF SHASTA COSTA CR; SW 1/4, Sec. 1E  | OREGON | 1 | 200  |
| 165 | TRIP OF SHASTA COSTA CR; SW 1/4, Sec. 1E  | OREGON | 1 | 200  |
| 166 | TRIP OF SHASTA COSTA CR; SW 1/4, Sec. 1E  | OREGON | 1 | 200  |
| 167 | TRIP OF SHASTA COSTA CR; SW 1/4, Sec. 1E  | OREGON | 1 | 200  |
| 168 | BLUET JAY CR; NW 1/4, Sec. 1E             | OREGON | 1 | 200  |

TABLE A-7. FRESHWATER REGIONS CONTAINING ELEVATED SEDIMENT LEVELS OF CADMIUM.  
CONCENTRATIONS ARE IN mg/kg.

| NO. | LOC.                                   | STATE            | N  | RFAN    |
|-----|----------------------------------------|------------------|----|---------|
| 1   | THIRD CREEK STP AT STATESVILLE NC 1    | NORTH CAROLINA   | 1  | 46400.0 |
| 2   | THIRD CREEK STP AT STATESVILLE NC 1    | NORTH CAROLINA   | 2  | 23510.0 |
| 3   | MAHATHON BATTERY                       | NEW YORK         | 1  | 19300.0 |
| 4   | MAHATHON BATTERY                       | NEW YORK         | 1  | 11100.0 |
| 5   | HIGHEST NYC SLUDGE                     | ICWA             | 2  | 4495.0  |
| 6   | MAHATHON BATTERY                       | NEW YORK         | 1  | 4260.0  |
| 7   | CARSON & S NEW EMPIRE                  | NEVADA           | 1  | 6230.0  |
| 8   | BOULDER CREEK AT MOUTH                 | ARIZONA          | 1  | 8152.0  |
| 9   | SANTA ANA RIVER BELOW PRADO DAM        | CALIFORNIA       | 1  | 7032.0  |
| 10  | COFFIN CREEK AB BOULDER CREEK          | ARIZONA          | 1  | 7444.0  |
| 11  | PERMANENT FLOURETS NO 1 SLUDGE         | KANSAS           | 2  | 7300.0  |
| 12  | COLORADO RIVER BELOW PARKER DAM        | ARIZONA          | 1  | 7017.0  |
| 13  | BOULDER CREEK BELOW MULHOLLAND DAM     | ARIZONA          | 1  | 6361.0  |
| 14  | PERMANENT FLOURETS NO 2 SLUDGE         | KANSAS           | 2  | 5450.0  |
| 15  | MAHATHON BATTERY                       | NEW YORK         | 11 | 4884.2  |
| 16  | FOUNDRY LOVE                           | NEW YORK         | 1  | 4680.0  |
| 17  | OWENS & MC FINEHANA BLS.               | CALIFORNIA       | 1  | 3937.0  |
| 18  | BOULDER CREEK ABOVE WILDER CREEK       | ARIZONA          | 1  | 3827.0  |
| 19  | FOUNDRY LOVE                           | NEW YORK         | 1  | 3600.0  |
| 20  | RUSSELLVILLE STP AT RUSSELLVILLE KY    | KENTUCKY         | 1  | 2202.0  |
| 21  | MAHATHON BATTERY                       | NEW YORK         | 1  | 2000.0  |
| 22  | NASBWA RIVER AT FORT DEVEREUX, MA      | MASSACHUSETTS    | 4  | 1912.5  |
| 23  | MAHATHON BATTERY                       | NEW YORK         | 1  | 1000.0  |
| 24  | FOUNDRY LOVE                           | NEW YORK         | 1  | 1560.0  |
| 25  | BERDASHUNG STP                         | WISCONSIN        | 2  | 1350.0  |
| 26  | L. BLACK CH DRY SHENMAN RD; FRUITPORT  | MICHIGAN         | 2  | 1177.5  |
| 27  | JOHN DEERE SLUDGE                      | ICWA             | 1  | 1050.0  |
| 28  | MISS R ABOVE HOLI INTERCEPTION         | TENNESSEE        | 9  | 1000.0  |
| 29  | MID-CHANNEL AT I-HO BRIDGE             | CALIFORNIA       | 1  | 1000.0  |
| 30  | BUOY FIC 4 SEC 07                      | CALIFORNIA       | 1  | 1000.0  |
| 31  | MID-CHANNEL AT BRACIA BRIDGE           | CALIFORNIA       | 1  | 1000.0  |
| 32  | BUOY 04, 1 1/2 MI N ELYNE POINT        | CALIFORNIA       | 1  | 1000.0  |
| 33  | BUOY F14 SEC 01 ON OF WHEE ISLAND      | CALIFORNIA       | 1  | 1000.0  |
| 34  | BUOY F14 SEC 10                        | CALIFORNIA       | 1  | 1000.0  |
| 35  | BUOY F16 SEC 111                       | CALIFORNIA       | 1  | 1000.0  |
| 36  | BUOY FIC 4 SEC 025                     | CALIFORNIA       | 1  | 1000.0  |
| 37  | BUOY BY                                | CALIFORNIA       | 1  | 1000.0  |
| 38  | BUOY F14 SEC 014                       | CALIFORNIA       | 1  | 1000.0  |
| 39  | MID-CHANNEL OFF DEERMAN POINT          | CALIFORNIA       | 1  | 1000.0  |
| 40  | MID-CHANNEL AT ANTIOCH BRIDGE          | CALIFORNIA       | 1  | 1000.0  |
| 41  | E.B.B.BLA-M-JUST BELOW MOUND 51.       | CHIO             | 1  | 990.0   |
| 42  | CALLATIN STP AT CALLATIN TN TO CORB    | TENNESSEE        | 1  | 870.0   |
| 43  | SF LOUEN DALENE R AT FAYVILLE, I       | IOING            | 1  | 810.0   |
| 44  | L. BLACK CH DRY SHENMAN AVE; FRUITPORT | MUSKOGON CO., MI | 1  | 770.0   |
| 45  | BAKIA 1                                | ILLINOIS         | 10 | 578.0   |
| 46  | MAHATHON BATTERY                       | NEW YORK         | 1  | 560.0   |
| 47  | E.F.F-OBITIS OVERFLOW SLUDGE BANK      | CHIO             | 1  | 540.0   |
| 48  | PASCAGOULA R NEAR BARKER 46            | MISSISSIPPI      | 1  | 415.0   |
| 49  | MAHATHON BATTERY                       | NEW YORK         | 1  | 413.0   |
| 50  |                                        |                  | 2  | 402.0   |
| 51  | FLORHAM PARK, NJ STP                   | NEW JERSEY       | 10 | 379.0   |
| 52  | DETONA CREEK BK OF NASPIIN CREEK-C     | NEW YORK         | 1  | 363.0   |
| 53  | NORTH BUFFALO STP AT COPENHAGEN NC     | NORTH CAROLINA   | 1  | 350.0   |
| 54  | DPS RIVER STP DISTRICT SLUDGE          | ICWA             | 1  | 330.0   |
| 55  | EVELYN FRANCH NEAR INYANT, IL          | ILLINOIS         | 1  | 320.0   |
| 56  | NO END COR: AREA 24, THE SW OF PT 2    | FLORIDA          | 1  | 320.0   |

TABLE A-7. (Continued)

| ONS | LOC                                  | STATE            | N | AREA    |
|-----|--------------------------------------|------------------|---|---------|
| 57  | ELIZABETHTON STP AT ELIZABETHTON TN  | TENNESSEE        | 1 | 320.000 |
| 58  | PEQUABUCK R AT FARMINGTON, CT        | CONNECTICUT      | 1 | 220.030 |
| 59  | L. BLACK CH AIRLINE RPT; TRUITPORT   | OREGON CO., RI   | 1 | 220.000 |
| 60  | BUNIONB CO STP AT ASHVILLE NC TO F   | NORTH CAROLINA   | 1 | 213.000 |
| 61  | HONING GREEN STP AT HONING GREEN     | KENTUCKY         | 3 | 204.667 |
| 62  | CARROLL DIGESTER TUTOR SLUDGE        | INDIA            | 1 | 203.000 |
| 63  | TRIN RD 2 TO SPENCER CH TRIN AT 1ST  | INDIANA          | 1 | 200.000 |
| 64  | 200' BL. HANSHAW BRITTS OVERFLOW     | INDIA            | 1 | 200.000 |
| 65  | SPENCER CH TRIN, SITE 4, & PLEASANT  | INDIANA          | 1 | 199.900 |
| 66  | NEWTON CH SOUTH OF ENGLISH HILLS-C   | NEW YORK         | 1 | 182.000 |
| 67  | 9100N 307.0 WILSON DRILLING FLN      | NEW YORK         | 1 | 175.000 |
| 68  | ENGLISH HILLS CH-N OF NEWTON CH-N    | NEW YORK         | 1 | 162.200 |
| 69  | NEWTON CH-N NEAR RADIO TOWER-NY      | NEW YORK         | 1 | 161.700 |
| 70  | CHARLES CITY STP DIGESTED SLUDGE     | INDIA            | 6 | 150.333 |
| 71  | CONNECTICUT RIVER AT HOLYoke, MA     | MASSACHUSETTS    | 1 | 150.000 |
| 72  | P.M. BLACK R. WASHINGTON AVE.        | CHIC             | 1 | 140.000 |
| 73  | BLACK RIVER R.P. 10.0                | CHIC             | 1 | 130.000 |
| 74  | EAST R. & ALPINE USGS                | COLORADO         | 1 | 125.000 |
| 75  | NORTH BUFFALO STP AT GREENWOOD NC    | NORTH CAROLINA   | 1 | 125.000 |
| 76  | WATSON STP                           | WISCONSIN        | 1 | 120.000 |
| 77  | CLARK CH AT FM 1007                  | TEXAS            | 1 | 113.000 |
| 78  | 150' ABOVE & ON BAR BELOW HANSHAW    | CHIC             | 1 | 110.000 |
| 79  | OPUSSUM RUN ON COVINGTON IS          | INDIANA          | 1 | 110.000 |
| 80  | LITTLE BLACK CH AT FIRST ST.; MONTG  | MUSKOGEE CO., RI | 1 | 110.000 |
| 81  | INTEN-DONAL POND D AT DUNE ALMS IN   | INDIANA          | 1 | 109.400 |
| 82  | CHARLES CITY STP MAN SLUDGE          | INDIA            | 6 | 108.167 |
| 83  | CONNECTICUT RIVER AT AGANAH, MA      | MASSACHUSETTS    | 1 | 100.000 |
| 84  | JAMES TOWN NEAR HACKETT, MA.         | MASSACHUSETTS    | 1 | 100.000 |
| 85  | ENGLISH HILLS SOUTH OF CHARD AVE-N   | NEW YORK         | 1 | 99.000  |
| 86  | LANGSTON CH BL NO 253 C PLATING OUT  | SOUTH CAROLINA   | 1 | 87.290  |
| 87  | PT RUCKER STP AT PT RUCKER AL TO CL  | ALABAMA          | 1 | 80.000  |
| 88  | NEWTON CH SW OF PENNY BRIDGE-QUEEN   | NEW YORK         | 1 | 81.510  |
| 89  | ATHENS STP NO 1 AT ATHENS GA TO NOR  | GEORGIA          | 1 | 78.000  |
| 90  | NEWTON CH NORTH OF GREENHILL AVE-    | NEW YORK         | 1 | 71.410  |
| 91  | MOLE LAKE AT MOLE LAKE, MI           | WISCONSIN        | 1 | 70.000  |
| 92  | E. SIDE DUN AT SILVER HILLS LN; HALL | MICHIGAN         | 1 | 66.000  |
| 93  | ST JOSEPH R. DRAIN OF CHICAGO ST IN  | MICHIGAN         | 1 | 63.540  |
| 94  | CORPUS CHRISTI HARBOR - VIGLA TUNNI  | TEXAS            | 1 | 61.740  |
| 95  | CORPUS CHRISTI HARBOR                | CHIC             | 1 | 61.000  |
| 96  | BLACKSTONE RIVER AT MILLVILLE, MA    | MASSACHUSETTS    | 2 | 59.500  |
| 97  | 1851B CHIEF STP AT CHARLOTTE NC TO   | NORTH CAROLINA   | 3 | 58.667  |
| 98  | QUICK ST NT 10 BRIDGE 100 FT US PMH  | CONNECTICUT      | 1 | 58.540  |
| 99  | APPS CH APPH D.S. MI AND POACA CH CO | ARKANSAS         | 1 | 57.500  |
| 100 |                                      | VIRGINIA ISLANDS | 1 | 56.000  |
| 101 | CORPUS CHRISTI-INDIA R-NAVIG FLN     | TEXAS            | 1 | 55.000  |
| 102 | MUNA L 500FT SW LITTLE BLACK CH; NO  | MUSKOGEE CO., RI | 1 | 54.490  |
| 103 | 100 FEET SOUTH OF DNR                | CALIFORNIA       | 2 | 54.000  |
| 104 | HAULDIN ROAD STP AT GREENVILLE SC T  | SOUTH CAROLINA   | 1 | 54.000  |
| 105 | MUNA L 1000FT N. MUNA LN PA* MONTG.  | MUSKOGEE CO., RI | 1 | 54.000  |
| 106 | MAHATHON HARBOR                      | NEW YORK         | 1 | 53.000  |
| 107 | 2400N 294.0 FT BELLIN FLN            | NEW YORK         | 1 | 52.000  |
| 108 | ST JUL R. N CENTRAL MILL POND; FAYE  | MICHIGAN         | 1 | 52.540  |
| 109 | 100 FEET NORTH OF ISLAND             | CALIFORNIA       | 2 | 50.000  |
| 110 | SOUND: RIVER N. TONGUE, RI           | NORTH CAROLINA   | 1 | 50.000  |
| 111 | TALUKA CH TRIN N. TIGLER CH          | CALIFORNIA       | 1 | 50.000  |
| 112 | HAYCO CROSSER TIT AT MUSKOGEE        | LOUISIANA        | 1 | 50.000  |

TABLE A-7. (Continued)

| QDS | LOT                                  | STATE            | N | AREA    |
|-----|--------------------------------------|------------------|---|---------|
| 113 | DANVILLE STP AT DANVILLE KY TO CLARK | KENTUCKY         | 1 | 50.0000 |
| 114 | ARNDSDAS NAT INT CANAL & CHANNEL SO. | TEXAS            | 1 | 48.0000 |
| 115 | GLIN COVE CH CHANNEL NO OF SEWAGE D  | NEW YORK         | 1 | 47.8100 |
| 116 | GLIN COVE CH CHANNEL NO OF PRATT PA  | NEW YORK         | 1 | 47.8100 |
| 117 | WATERS GARDEN STA AT DANISH GARDEN   | FLORIDA          | 1 | 47.0000 |
| 118 | CLIFFLAND HARBOR                     | CHIO             | 1 | 46.0000 |
| 119 | LION CH AT PRIVATE HL OFF QUINCY     | TEXAS            | 1 | 46.0000 |
| 120 | COUPR DALLINE RIVER AT ROSE LAKE     | ILLINOIS         | 1 | 45.0000 |
| 121 | LONG LN NE TUNTON (SP N) NE 42.5     | WASHINGTON       | 1 | 45.0000 |
| 122 | CASAVILLE HARBOR, MICHIGAN           | MICHIGAN         | 1 | 43.0000 |
| 123 |                                      | ILWA             | 1 | 42.7500 |
| 124 | MILU BAY                             | MARSH            | 1 | 42.6600 |
| 125 | US ARMY BLUEGRASS LIPOT AT LEXINGTON | KENTUCKY         | 1 | 41.0000 |
| 126 | MOCKLAND HARBOR NORTH OF OULES HEAD  | MAINE            | 1 | 40.2900 |
| 127 | CODDUS CH AT NORTH TUBE, ID.         | PENNSYLVANIA     | 1 | 40.0000 |
| 128 | MUSTEN CREEK NEAR AINSEL MT          | KENTUCKY         | 1 | 40.0000 |
| 129 | WILDER M NE CORNWELL, ARIZ.          | ARIZONA          | 1 | 40.0000 |
| 130 | CO DR JO FELLOW BMTF LAGOONS; MONTG  | MICHIGAN         | 1 | 40.0000 |
| 131 | SUGAR CREEK STP AT CHARLOTTE NC 10   | NORTH CAROLINA   | 2 | 40.0000 |
| 132 | GLIN COVE CH CHANNEL AT SEWAGE DISP  | NEW YORK         | 1 | 39.5100 |
| 133 | GREENVILLE STP AT GREENVILLE TN 1    | TENNESSEE        | 1 | 38.0000 |
| 134 | GLIN COVE CH CHANNEL NEAR SEWAGE DI  | NEW YORK         | 1 | 37.0000 |
| 135 | ASH FORD HARBOR ON THURMAN HILL, NY  | MISSOURI         | 1 | 37.0000 |
| 136 | UNNAMED TRIP UPST ST JOE N; FAYETTE  | MICHIGAN         | 1 | 36.8900 |
| 137 | THIRTY 6 & SN 34 34 OF BUSHEN IN IT  | TEXAS            | 1 | 36.0000 |
| 138 | HUNNISTOWN STP AT HUNNISTOWN TN      | TENNESSEE        | 1 | 36.0000 |
| 139 | BOOTH OF BUSH CH, 100 TDS UPST FROM  | KENTUCKY         | 2 | 34.7500 |
| 140 | BOOTH CH CH AT KOSCIUSKO BRIDGE-C    | NEW YORK         | 1 | 34.0000 |
| 141 | L BLACK CH DRS PENNIAP STR-THURMAN   | MUSKOGEE CO., AL | 1 | 34.0000 |
| 142 |                                      |                  | 3 | 33.3333 |
| 143 | ILLINOIS RIVER AT CHESBURN ISLAND, I | ILLINOIS         | 2 | 33.3333 |
| 144 | ENRI HARBOR                          | PENNSYLVANIA     | 1 | 33.0000 |
| 145 | 5207402 EAST NATACONDA LS LINE 074 5 | TEXAS            | 1 | 33.0000 |
| 146 | WEST STP AT OAK HEDGE TN TO EAST FO  | TENNESSEE        | 1 | 33.0000 |
| 147 | 1 MI S. OF PHILLIPS                  | TEXAS            | 1 | 32.0900 |
| 148 | TRIBUTARY TO GREEN RIVER 100.3       | KENTUCKY         | 1 | 32.0000 |
| 149 | TUSCUMBIA STP AT TUSCUMBIA AL TO ST  | ALABAMA          | 1 | 31.0000 |
| 150 | RED CEDAR N AT CLO NE DN; HART TWP   | MICHIGAN         | 1 | 31.0000 |
| 151 | CLEVELAND HARBOR                     | CHIO             | 1 | 31.0000 |
| 152 | KEWTONN CH WEST OF DUTCH HILLS       | NEW YORK         | 1 | 30.6800 |
| 153 | WMA L 700FT WEST HENRY RD; MONTG     | MUSKOGEE CO., AL | 1 | 30.2900 |
| 154 | WMA L 1100FT EAST HENRY RD; MONTG    | MUSKOGEE CO., AL | 1 | 30.2900 |
| 155 | INDIANA HARBOR                       | INDIANA          | 1 | 30.0000 |
| 156 | CODDUS CH OFF 13 ST PROSPECT EXP-    | NEW YORK         | 1 | 30.0000 |
| 157 | FOPLST CITY STP SLUDGE               | ILWA             | 1 | 30.0000 |
| 158 | SCHUTTKILL N AT BL ROCK POOL NE PRO  | PENNSYLVANIA     | 1 | 30.0000 |
| 159 | SWAMP CHIEF FLOW NICE LAKE, AT HOL   | MISSOURI         | 1 | 30.0000 |
| 160 | DES PLAINES RIVER AT ROCKDALE, IL    | ILLINOIS         | 2 | 30.0000 |
| 161 | DES PLAINES RIVER AL GRANT LN NE. CH | ILLINOIS         | 2 | 30.0000 |
| 162 | UND TRIP TO HART                     | VIRGINIA         | 1 | 30.0000 |
| 163 | ST JOSEPH N AT MOORE N; FAYETTE TN   | MICHIGAN         | 1 | 29.6900 |
| 164 | WMA L 1200FT SEW L BLACK CH; MONTG   | MUSKOGEE CO., AL | 1 | 29.5900 |
| 165 | HUSTON HARBOR                        | PENNSYLVANIA     | 1 | 29.0000 |
| 166 | SAVANNAH RIVER 35 MILE DOWNSTREAM S  | GEORGIA          | 1 | 29.0000 |
| 167 | OCONEE RIVER NEAR FAS ROAD 1000 SOU  | GEORGIA          | 1 | 29.0000 |
| 168 | SOUTH RIVER - SWAMPING SHUALS        | GEORGIA          | 1 | 29.0000 |

TABLE A-7. (Continued)

| Obs | LOC                                   | STATE   | N | MEAN |
|-----|---------------------------------------|---------|---|------|
| 169 | OCHLOCKEE RIVER NEAR MACON WATER INT  | GEORGIA | 1 | 29   |
| 170 | OCHLOCKEE RIVER .6 MI DOWNSTREAM TOMB | GEORGIA | 1 | 29   |
| 171 | ALTAFAMA RIVER .6 MI DOWNSTREAM OF    | GEORGIA | 1 | 29   |
| 172 | SATILLA R. GA HWYS 15 & 121           | GEORGIA | 1 | 29   |
| 173 | SUNABALL RIVER NEAR US HWY 441        | GEORGIA | 1 | 29   |
| 174 | OCHLOCKEE R. BRIDGE 3.7 MI W. ST LN   | GEORGIA | 1 | 29   |
| 175 | FLINT RIVER NEAR GA HWY 92            | GEORGIA | 1 | 29   |
| 176 | FLINT RIVER NEAR FLANT MITCHELL NAT   | GEORGIA | 1 | 29   |
| 177 | CHATTANOOCHEE RIVER AT COBB CO WATER  | GEORGIA | 1 | 29   |
| 178 | CHATTANOOCHEE RIVER AT GA HWY 92      | GEORGIA | 1 | 29   |
| 179 | CHATTANOOCHEE RIVER NEAR GA HWY 91    | GEORGIA | 1 | 29   |

TABLE A-8. FRESHWATER REGIONS CONTAINING ELEVATED SEDIMENT LEVELS OF ACENAPHTHALENE.  
CONCENTRATIONS ARE IN  $\mu\text{g/kg}$ .

| UNS | LUC                                  | STATE          | N | MEAN  |
|-----|--------------------------------------|----------------|---|-------|
| 1   | T E MAXON SLP AT MEMPHIS TN TO MASS  | TENNESSEE      | 1 | 30000 |
| 2   | WILLINGTON SLP AT WILLINGTON TN TO   | TENNESSEE      | 1 | 80000 |
| 3   | TOWNE CHEMICAL CO AREA HAZARDOUS WA  | FLORIDA        | 1 | 30000 |
| 4   | TOWNE CHEMICAL CO AREA HAZARDOUS WA  | FLORIDA        | 1 | 30000 |
| 5   | MEMPHIS TERN AT HOLLYWOOD MD AREA S  | TENNESSEE      | 1 | 20000 |
| 6   | MEMPHIS TERN AT HOLLYWOOD MD AREA S  | TENNESSEE      | 1 | 20000 |
| 7   | SUISUN NAT S. OF MIDDL GROUND        | CALIFORNIA     | 1 | 10000 |
| 8   | NEW YORK SLOUGH                      | CALIFORNIA     | 1 | 10000 |
| 9   | S.F. AIRPORT INDUSTRIAL PLANT        | CALIFORNIA     | 1 | 10000 |
| 10  | TOWNE CHEMICAL CO AREA HAZARDOUS WA  | FLORIDA        | 1 | 10000 |
| 11  | MEMPHIS TERN AT FRATSEN POND AREA S  | TENNESSEE      | 1 | 10000 |
| 12  | MEMPHIS TERN AT FRATSEN POND AREA S  | TENNESSEE      | 1 | 10000 |
| 13  | HOOVER HANILL ROAD CULVERT           | TENNESSEE      | 1 | 10000 |
| 14  | TAMPA FL AT STOREY RINK HAZARDOUS W  | FLORIDA        | 1 | 5000  |
| 15  | TAMPA FL AT STOREY RINK HAZARDOUS W  | FLORIDA        | 1 | 5000  |
| 16  | GORDON SERVICES CO AT GORDON GA TO   | GEORGIA        | 1 | 5000  |
| 17  | GORDON SERVICES CO AT GORDON GA TO   | GEORGIA        | 1 | 5000  |
| 18  | GORDON SERVICES CO AT GORDON GA TO   | GEORGIA        | 1 | 5000  |
| 19  | GORDON SERVICES CO AT GORDON GA TO   | GEORGIA        | 1 | 5000  |
| 20  | GORDON SERVICES CO AT GORDON GA TO   | GEORGIA        | 1 | 5000  |
| 21  | GORDON SERVICES CO AT GORDON GA TO   | GEORGIA        | 1 | 5000  |
| 22  | SMITHS DUMP SITE AT BROOKS KY TO BL  | KENTUCKY       | 1 | 5000  |
| 23  | EAGLE LAKE NEAR VICKSBURG MS         | MISSISSIPPI    | 1 | 5000  |
| 24  | TENNESSEE EXPOSURE RISK SURVEY       | NORTH CAROLINA | 1 | 5000  |
| 25  | PIGION RIVER EXPOSURE RISK STUDY     | NORTH CAROLINA | 1 | 5000  |
| 26  | CHEMTRONICS INC HNSI AT ASHEVILLE N  | NORTH CAROLINA | 1 | 5000  |
| 27  | CHEMTRONICS INC HNSI AT ASHEVILLE N  | NORTH CAROLINA | 1 | 5000  |
| 28  | ACADEMY DURN HNS AT CHARLOTTE NC     | NORTH CAROLINA | 1 | 5000  |
| 29  | ACADEMY DURN HNS AT CHARLOTTE NC     | NORTH CAROLINA | 1 | 5000  |
| 30  | ACADEMY DURN HNS AT CHARLOTTE NC     | NORTH CAROLINA | 1 | 5000  |
| 31  | ACADEMY DURN HNS AT CHARLOTTE NC     | NORTH CAROLINA | 1 | 5000  |
| 32  | OLD HAY 27 DUMP AT RT HOLLY NC       | NORTH CAROLINA | 1 | 5000  |
| 33  | OLD HAY 27 DUMP AT RT HOLLY NC       | NORTH CAROLINA | 1 | 5000  |
| 34  | JADLO HUGHES PROPERTY AT WILMONT NC  | NORTH CAROLINA | 1 | 5000  |
| 35  | INDUSTRIAL CHEM CO PLANT SITE NN HU  | SOUTH CAROLINA | 1 | 5000  |
| 36  | INDUSTRIAL CHEM CO AREA NEAR NOCA N  | SOUTH CAROLINA | 1 | 5000  |
| 37  | INDUSTRIAL CHEM CO PLANT SITE NN HU  | SOUTH CAROLINA | 1 | 5000  |
| 38  | INDUSTRIAL CHEM CO LANDFILL NN ROCK  | SOUTH CAROLINA | 1 | 5000  |
| 39  | ETHYL CONFORMATION CHEMICAL DIV AT O | SOUTH CAROLINA | 1 | 5000  |
| 40  | MEMPHIS TERN AT HOLLYWOOD MD AREA S  | TENNESSEE      | 1 | 5000  |
| 41  | MEMPHIS TERN AT WINSTON DN AREA SAN  | TENNESSEE      | 1 | 5000  |
| 42  | MEMPHIS TERN AT WINSTON DN AREA SAN  | TENNESSEE      | 1 | 5000  |
| 43  | MEMPHIS TERN AT WINSTON DN AREA SAN  | TENNESSEE      | 1 | 5000  |
| 44  | MEMPHIS TERN AT FRATSEN POND AREA S  | TENNESSEE      | 1 | 5000  |
| 45  | MEMPHIS TERN AT FRATSEN POND AREA S  | TENNESSEE      | 1 | 5000  |
| 46  | MEMPHIS TERN AT FRATSEN POND AREA S  | TENNESSEE      | 2 | 5000  |
| 47  | MEMPHIS TERN AT FRATSEN POND AREA S  | TENNESSEE      | 2 | 5000  |
| 48  | MEMPHIS TERN AT FRATSEN POND AREA S  | TENNESSEE      | 2 | 5000  |
| 49  | MEMPHIS TERN AT FRATSEN POND AREA S  | TENNESSEE      | 2 | 5000  |
| 50  | MEMPHIS TERN AT FRATSEN POND AREA S  | TENNESSEE      | 2 | 5000  |
| 51  | MEMPHIS TERN AT FRATSEN POND AREA S  | TENNESSEE      | 2 | 5000  |
| 52  | MEMPHIS TERN AT FRATSEN POND AREA S  | TENNESSEE      | 2 | 5000  |
| 53  | MEMPHIS TERN AT FRATSEN POND AREA S  | TENNESSEE      | 2 | 5000  |
| 54  | MEMPHIS TERN AT FRATSEN POND AREA S  | TENNESSEE      | 1 | 5000  |
| 55  | MEMPHIS TERN AT FRATSEN POND AREA S  | TENNESSEE      | 2 | 5000  |
| 56  | MEMPHIS TERN AT FRATSEN POND AREA S  | TENNESSEE      | 2 | 5000  |

TABLE A-8. (Continued)

| Obs | LOC                                    | STATE          | N | RIAN |
|-----|----------------------------------------|----------------|---|------|
| 57  | TENNESSEE EXPOSURE HIGH SURVEY AT N    | TENNESSEE      | 1 | 5000 |
| 58  | TENNESSEE EXPOSURE HIGH SURVEY AT N    | TENNESSEE      | 1 | 5000 |
| 59  | TENNESSEE EXPOSURE HIGH SURVEY AT J    | TENNESSEE      | 1 | 5000 |
| 60  | MEMPHIS AREA HAZARDOUS WASTE SITE 1    | TENNESSEE      | 1 | 5000 |
| 61  | MEMPHIS AREA HAZARDOUS WASTE SITE 1    | TENNESSEE      | 1 | 5000 |
| 62  | MEMPHIS AREA HAZARDOUS WASTE SITE 1    | TENNESSEE      | 1 | 5000 |
| 63  | MEMPHIS AREA HAZARDOUS WASTE SITE 1    | TENNESSEE      | 1 | 4000 |
| 64  | MANILINI HAT                           | HAWAII         | 1 | 2117 |
| 65  | MUCK SLOUGH AT DELTA BRIDGE            | CALIFORNIA     | 1 | 2500 |
| 66  | SAN JOAQUIN R AT ANTIOCH HAMP          | CALIFORNIA     | 1 | 2500 |
| 67  | RED RIVER AT RIO DEL, DAVIS STREET     | CALIFORNIA     | 1 | 2500 |
| 68  | LAS VEGAS WASH AT NORTH SHORE ROAD     | NEVADA         | 1 | 2500 |
| 69  | COLLIERVILLE FAY LAKE BEAU             | NEVADA         | 1 | 2500 |
| 70  | LAS VEGAS DAY LAKE BEAU                | NEVADA         | 1 | 2500 |
| 71  | SAN JOAQUIN RIVER AT STANISLAUS CO.    | CALIFORNIA     | 1 | 2500 |
| 72  | LAKE MENDOCINO AT HWY 20 BRIDGE        | CALIFORNIA     | 1 | 2500 |
| 73  | RUSSIAN RIVER AT MAJAN TREATMENT PL    | CALIFORNIA     | 1 | 2500 |
| 74  | RUSSIAN RIVER - MOUNT NIO              | CALIFORNIA     | 1 | 2500 |
| 75  | RED RIVER AT ESSEX LAKE                | CALIFORNIA     | 1 | 2500 |
| 76  | SANTA CRUZ BELOW MUGLER ROAD WASTE W   | ARIZONA        | 1 | 2500 |
| 77  | TOPAZ LAKE                             | NEVADA         | 1 | 2500 |
| 78  | HILO BAY                               | HAWAII         | 2 | 2118 |
| 79  | SPOKANE R AT SPOKANE STP OUTFALL       | WASHINGTON     | 2 | 2000 |
| 80  | SPOKANE R 0.5 MI SPOKANE STP           | WASHINGTON     | 2 | 2000 |
| 81  | SPOKANE R 1.5 MI SPOKANE STP           | WASHINGTON     | 2 | 2000 |
| 82  | SPOKANE R AT POST FALLS ID             | IDaho          | 1 | 2000 |
| 83  | SPOKANE R .5 MI ABV COEUR D'ALENE S    | IDaho          | 1 | 2000 |
| 84  | SPOKANE R @ HW 95 .3 MI AB C D'ALENE   | IDaho          | 1 | 2000 |
| 85  | SPOKANE RIVER 3.5 MI. BELOW COEUR D    | IDaho          | 1 | 2000 |
| 86  | YAKIMA RIVER @ HWY 224 BR. RICHLAND    | WASHINGTON     | 1 | 2000 |
| 87  | YAKIMA R @ YAKIMA RIVER WTR INTAKE (   | WASHINGTON     | 1 | 2000 |
| 88  | YAKIMA R @ MOUTH @ THIN BRIDGES NW     | WASHINGTON     | 1 | 2000 |
| 89  | COLUMBIA R @ PASCO WTR INTAKE (NR33)   | WASHINGTON     | 1 | 2000 |
| 90  | PONTREUT R 1/4 MI ABV POCATELLO STP    | IDaho          | 1 | 2000 |
| 91  | PONTREUT R 1/4 MI BELOW POCATELLO S    | IDaho          | 1 | 2000 |
| 92  | PONTREUT R 3/4 MI BELOW POCATELLO S    | IDaho          | 1 | 2000 |
| 93  | BATISE SPRINGS 1/4 MI BELOW PONTREUT   | IDaho          | 1 | 2000 |
| 94  | RICHLAND WTR INTAKE (COLUMBIA R)       | WASHINGTON     | 1 | 2000 |
| 95  | SEKOPISH RIVER AT STATE HIGHWAY 10     | WASHINGTON     | 1 | 2000 |
| 96  | BIG QUILLCINE RIVER AT PONT TOWNSEND   | WASHINGTON     | 1 | 2000 |
| 97  | MARCHESTER, WA, WATER SUPPLY           | WASHINGTON     | 1 | 2000 |
| 98  | MURPHY CREEK AT U.S. 101 BRIDGE        | WASHINGTON     | 1 | 2000 |
| 99  | CLIFAN LAKE @ RECHTA, OREGON WATER 1   | OREGON         | 1 | 2000 |
| 100 | CLIFAN LAKE @ LAKESIDE, OREGON WATER 1 | OREGON         | 1 | 2000 |
| 101 | CLIFAN LAKE @ PLEASANT, OREGON WATER   | OREGON         | 1 | 2000 |
| 102 | RIMP CR. WISEVOUGH @ QUILLCINE WATER   | OREGON         | 1 | 2000 |
| 103 | MURKINVILLE AREA HAZARDOUS WASTE SI    | NORTH CAROLINA | 1 | 2000 |
| 104 | ALAMO LAKE                             | ARIZONA        | 1 | 1571 |
| 105 | ANTHONY BILL (SUL)                     | NEW YORK       | 1 | 1900 |
| 106 | MURKIN RIVER @ 171AY                   | NEVADA         | 1 | 1157 |
| 107 | YUIA RIVER NEAR MARYSVILLE             | CALIFORNIA     | 1 | 1830 |
| 108 | AMERICAN R. AT FERNANDO ST.            | CALIFORNIA     | 1 | 1750 |
| 109 | BUFFALO CR AT AMERICAN RIVER           | CALIFORNIA     | 1 | 1720 |
| 110 | SALINAS RIVER AT GONZALES              | CALIFORNIA     | 1 | 1694 |
| 111 | HUALAPPA CREEK AT SOUTH                | ARIZONA        | 1 | 1651 |
| 112 | CANSON R. @ MIFLUJIAN                  | NEVADA         | 1 | 1664 |

TABLE A-8. (Continued)

| ONS | LOC                                   | STATE       | N | BEAN    |
|-----|---------------------------------------|-------------|---|---------|
| 113 | OWENS R NE TINEHADA MTS.              | CALIFORNIA  | 1 | 1640.00 |
| 114 | SANTA ANA RIVER NEAR PRAJO DAM        | CALIFORNIA  | 1 | 1631.00 |
| 115 | THUCKLE RIVER AT TUCUMCOO             | NEVADA      | 2 | 1617.50 |
| 116 | BOULDER CREEK ABOVE WILDER CREEK      | ARIZONA     | 1 | 1594.00 |
| 117 | AMERICAN R. ABOVE SUNRISE BR          | CALIFORNIA  | 1 | 1590.00 |
| 118 | AMERICAN R. AT BAYTS AVE.             | CALIFORNIA  | 1 | 1590.00 |
| 119 | CUPPEN CREEK AB BOULDER CREEK         | ARIZONA     | 1 | 1551.00 |
| 120 | GILD RIVER AT GILLESPIE DAM           | ARIZONA     | 2 | 1513.00 |
| 121 | LAHONTAN DAM                          | NEVADA      | 1 | 1483.00 |
| 122 | COLORADO RIVER LILLOM PARKER DAM      | ARIZONA     | 1 | 1461.00 |
| 123 | COLORADO R. @ YUMA                    | ARIZONA     | 1 | 1399.00 |
| 124 | KAHULUI HARBOR                        | HAWAII      | 2 | 1292.00 |
| 125 | PEARL HARBOR B. LOCK                  | HAWAII      | 1 | 1250.00 |
| 126 | ALA HAI CANAL                         | HAWAII      | 1 | 1250.00 |
| 127 | G. FUNK OUTLET RIVER @ OUTNER         | NEVADA      | 1 | 1250.00 |
| 128 | CANSON R @ NEW EMPIRE                 | NEVADA      | 2 | 1209.00 |
| 129 | S. FUNK TULT AT SEATTLE D-6. INTAKE   | WASHINGTON  | 2 | 1200.00 |
| 130 | CELANO R. NH LANDSBURG (SEATTLE D.V.) | WASHINGTON  | 2 | 1200.00 |
| 131 | DUNABISH RIVER NEAR KINTY (60 10.30)  | WASHINGTON  | 2 | 1200.00 |
| 132 | THUCREE RIVER AT FANAU                | CALIFORNIA  | 3 | 1185.00 |
| 133 | LAKE TANOUE AT SAND HARBOR            | NEVADA      | 2 | 1114.50 |
| 134 | SPOKANE R U.S. RI AB SPOKANE STP      | WASHINGTON  | 2 | 1014.50 |
| 135 | SEDIMENT AN ADAIR WATER INTAKE        | CALIFORNIA  | 1 | 1000.00 |
| 136 | BLAVENTON CR AB TITMOUTH LFF          | CALIFORNIA  | 1 | 1000.00 |
| 137 | BLAVENTON CR .5MI BI TITMOUTH LFF     | CALIFORNIA  | 1 | 1000.00 |
| 138 | BLAVENTON CR @ TITMOUTH OUTFALL       | CALIFORNIA  | 1 | 1000.00 |
| 139 | TOMER CHEMICAL CO AREA HAZARDOUS WA   | FLORIDA     | 1 | 1000.00 |
| 140 | TOMER CHEMICAL CO AREA HAZARDOUS WA   | FLORIDA     | 1 | 1000.00 |
| 141 | TOMER CHEMICAL CO AREA HAZARDOUS WA   | FLORIDA     | 1 | 1000.00 |
| 142 | PENSACOLA HAZARDOUS WASTE SITE BEUL   | FLORIDA     | 1 | 1000.00 |
| 143 | PENSACOLA HAZARDOUS WASTE SITE BEUL   | FLORIDA     | 1 | 1000.00 |
| 144 | MEMPHIS AREA HAZARDOUS WASTE SITE 1   | TENNESSEE   | 1 | 1000.00 |
| 145 | WATKINS ROAD BRIDGE                   | TENNESSEE   | 1 | 900.00  |
| 146 | RAILROAD BRIDGE                       | TENNESSEE   | 1 | 890.00  |
| 147 | ROOSEVELT LAKE SALT M. DAM            | ARIZONA     | 2 | 874.65  |
| 148 | ANTHONY HILL (520)                    | NEW YORK    | 1 | 800.00  |
| 149 | EAST 30TH. STREET BRIDGE              | TENNESSEE   | 2 | 800.00  |
| 150 | LINT LAKE                             | ARIZONA     | 1 | 786.10  |
| 151 | MONITOR R AT MOONSHING                | CALIFORNIA  | 1 | 733.10  |
| 152 | HUCKLE CANAL @ LITCHFIELD             | ARIZONA     | 1 | 725.00  |
| 153 | TUOLUMNE RIVER AT TUOLUMNE CITY       | CALIFORNIA  | 1 | 693.40  |
| 154 | PATAGONIA LAKE                        | ARIZONA     | 1 | 651.00  |
| 155 | ALAMO R NH CALIFORNIA                 | CALIFORNIA  | 1 | 619.30  |
| 156 | SAN FRANCISCO R. AT CLIFTON           | ARIZONA     | 1 | 616.90  |
| 157 | CALCASIEU R AT POUS LAKE              | LOUISIANA   | 1 | 500.00  |
| 158 | BECHAS R SHUT RU UP PORT ANTHON       | TEXAS       | 2 | 500.00  |
| 159 | QUACHITA R-CANON WATER SUPPLY         | KANSAS      | 1 | 500.00  |
| 160 | RIO GRANDE RIVER AT ISLETA DIVERSION  | N.M. MEXICO | 2 | 500.00  |
| 161 | ELLSO WATER INTAKE (CLIFTON R)        | WASHINGTON  | 1 | 400.00  |
| 162 | KALAMA WATER INTAKE (KALAMA R)        | WASHINGTON  | 1 | 400.00  |
| 163 | SNOHOMISH RIVER AT SNOHOMISH          | WASHINGTON  | 1 | 410.00  |
| 164 | PUYALLUP RIVER AT PUYALLUP            | WASHINGTON  | 1 | 400.00  |
| 165 | VASPOU ISLAND : WELL #1 (N?)          | WASHINGTON  | 1 | 400.00  |
| 166 | WASHUM ISLAND : WELL #2 (S)           | WASHINGTON  | 1 | 400.00  |
| 167 | UNION R @ HUPREATCH RUN WATER INTAKE  | WASHINGTON  | 1 | 400.00  |
| 168 | SARANISH RIVER AT WOODINVILLE         | WASHINGTON  | 1 | 400.00  |

TABLE A-8. (Continued)

| UBS | LOC                                  | STATE       | N | MEAN    |
|-----|--------------------------------------|-------------|---|---------|
| 169 | CENTRALIA R NR CENTRALIA             | WASHINGTON  | 1 |         |
| 170 | BT NEHAUAM R @ CENTRALIA INTAKE      | WASHINGTON  | 1 | 400.000 |
| 171 | IOWA RIVER AT MARSHALLTOWN MT        | IOWA        | 1 | 400.000 |
| 172 | TRIBUTARY TO CHATTANOOGA CREEK 0.3   | TENNESSEE   | 2 | 262.000 |
| 173 | LITTLE SIOUX R UPST OF SPELCKN       | IOWA        | 1 | 260.000 |
| 174 | LITTLE SIOUX R AT LIND GROVE         | IOWA        | 1 | 250.000 |
| 175 | IOWA RIVER DOWNST OF MARSHALLTOWN    | IOWA        | 1 | 250.000 |
| 176 | RAW WATER INTAKE AT DAVENPORT        | IOWA        | 2 | 244.000 |
| 177 | DUNBARISH A. BELOW NEWTON STP (NN 9. | WASHINGTON  | 3 | 242.333 |
| 178 | ARKANSAS R NEAR DERRY KANSAS         | KANSAS      | 2 | 230.000 |
| 179 | ARKANSAS RIVER ARI                   | KANSAS      | 1 | 200.000 |
| 180 | COLUMBIAN CREEK AT MOOVER ST S       | KANSAS      | 1 | 200.000 |
| 181 | LITTLE ARKANSAS R AT NIPS ST         | KANSAS      | 1 | 200.000 |
| 182 | AT CACING STATION                    | GEORGIA     | 1 | 200.000 |
| 183 |                                      | TENNESSEE   | 1 | 200.000 |
| 184 |                                      | TENNESSEE   | 1 | 200.000 |
| 185 | WILSON ROAD BRIDGE                   | TENNESSEE   | 1 | 200.000 |
| 186 | TRIBUTARY TO CHATTANOOGA CREEK 2.2   | TENNESSEE   | 1 | 200.000 |
| 187 | POND NEAR TENNESSEE-GEORGIA STATE L  | TENNESSEE   | 1 | 200.000 |
| 188 | TRIBUTARY TO CHATTANOOGA CREEK 4.45  | TENNESSEE   | 1 | 200.000 |
| 189 | BOULDER CREEK BELOW MULHOLLAND WASH  | ARIZONA     | 1 | 200.000 |
| 190 | DOWNSTREAM SIDE HWY 200 RM           | IOWA        | 1 | 190.000 |
| 191 | SHELLROCK R. UPST OF NORTHWOOD       | IOWA        | 3 | 174.000 |
| 192 | DES MOINES R AT EUCLID AVE RM        | IOWA        | 2 | 171.000 |
| 193 | ST. LOUIS RIVER AT CLOQUET           | MINNESOTA   | 4 | 146.000 |
| 194 | CLAY CREEK AT ROUTE 104              | CALIFORNIA  | 1 | 110.000 |
| 195 | RIO LA PLATA RESERVOIR               | PUERTO RICO | 1 | 100.000 |
| 196 | KCKA-RAW WATER SUPPLY NO 8           | KANSAS      | 1 | 93.000  |
| 197 | NO WATER COMPANY WATER SUPPLY        | MISSOURI    | 1 | 92.000  |
| 198 | MOANORE STREET CSO                   | WASHINGTON  | 1 | 92.000  |
| 199 | RIO LA PLATA RESERVOIR               | PUERTO RICO | 1 | 76.790  |
| 200 | T E HAZON STP AT MEMPHIS TN TO MISS  | TENNESSEE   | 1 | 66.000  |
| 201 | 6 MILES EAST OF SANDY HOOK ST PK     | NEW JERSEY  | 1 | 60.000  |
| 202 | 0.6MI EAST OF SANDY HOOK ST PK       | NEW JERSEY  | 1 | 58.000  |
| 203 | RIO LA PLATA RESERVOIR BEAL DAM      | PUERTO RICO | 1 | 58.000  |
| 204 | DERRY WAY REGULATORY CSO             | WASHINGTON  | 1 | 41.000  |
| 205 | 7.4MI EAST OF SANDY HOOK ST PK       | NEW JERSEY  | 1 | 29.790  |
| 206 | JOHN P. FAZIO LANDFILL, BELLMAUN R.  | NEW JERSEY  | 1 | 28.000  |
| 207 | FM-250 SCIOTO BIG RUN RM 1 270 RM C  | OHIO        | 1 | 21.000  |
| 208 | WASTE DISPOSAL INC. ELIPONT, NJ      | NEW JERSEY  | 1 | 20.000  |
| 209 | RADISON PARK CSO                     | WASHINGTON  | 1 | 17.000  |
| 210 | BARAPO R RM DANLINGTON NJ            | NEW JERSEY  | 1 | 10.620  |
| 211 | BEAN SWAMP RM RM OAKLAND NJ          | NEW JERSEY  | 1 | 10.000  |

TABLE A-9. FRESHWATER REGIONS CONTAINING ELEVATED SEDIMENT LEVELS OF ANTHRACENE.  
CONCENTRATIONS ARE IN  $\mu\text{g/kg}$ .

| ORD | LOC                                  | STATE          | N | PLAN   |
|-----|--------------------------------------|----------------|---|--------|
| 1   | GR RT VERNON INDIANA PSL-0           | INDIANA        | 2 | 410000 |
| 2   | RT 1 NAXON STP AT MEMPHIS TN TO MISS | TENNESSEE      | 1 | 360000 |
| 3   | MILLINGTON STP AT MILLINGTON TN TO   | TENNESSEE      | 1 | 60000  |
| 4   | HUGGER HARRILL ROAD CULVERT          | TENNESSEE      | 1 | 33000  |
| 5   | TOWEN CHEMICAL CO AREA HAZARDOUS WA  | FLORIDA        | 1 | 10400  |
| 6   | TOWEN CHEMICAL CO AREA HAZARDOUS WA  | FLORIDA        | 1 | 30000  |
| 7   | MEMPHIS TOWN AT HOLLYWOOD RD AREA 5  | TENNESSEE      | 1 | 26000  |
| 8   | MEMPHIS TOWN AT HOLLYWOOD RD AREA 5  | TENNESSEE      | 1 | 26000  |
| 9   | TRIBUTARY TO CHATTANOOGA CREEK 0.1   | TENNESSEE      | 1 | 17000  |
| 10  | HARRILL ROAD BRIDGE                  | TENNESSEE      | 1 | 17000  |
| 11  | HARRISBURG BRIDGE                    | TENNESSEE      | 1 | 15000  |
| 12  | SUISUN BAY S. OF MIDDLE GROUND       | CALIFORNIA     | 1 | 10000  |
| 13  | PLS TONK SLOUGH                      | CALIFORNIA     | 1 | 10000  |
| 14  | S.F. AIRPORT INDUSTRIAL PLANT        | CALIFORNIA     | 1 | 10000  |
| 15  | TOWEN CHEMICAL CO AREA HAZARDOUS WA  | FLORIDA        | 1 | 10000  |
| 16  | MEMPHIS TOWN AT HOLLYWOOD RD AREA 5  | TENNESSEE      | 1 | 7800   |
| 17  | EAST 3RD STREET BRIDGE               | TENNESSEE      | 2 | 6350   |
| 18  | TAMPA FL AT STONEY HINE HAZARDOUS W  | FLORIDA        | 1 | 5000   |
| 19  | TAMPA FL AT STONEY HINE HAZARDOUS W  | FLORIDA        | 1 | 5000   |
| 20  | GORDON SERVICES CO AT GORDON GA TO   | GEORGIA        | 1 | 5000   |
| 21  | GORDON SERVICES CO AT GORDON GA TO   | GEORGIA        | 1 | 5000   |
| 22  | GORDON SERVICES CO AT GORDON GA TO   | GEORGIA        | 1 | 5000   |
| 23  | EAGLE LAKE BEAR WICKSBURG MS         | MISSISSIPPI    | 1 | 5000   |
| 24  | PIGEON RIVER EXPOSURE RISK STUDY     | NORTH CAROLINA | 1 | 5000   |
| 25  | CRENTONICS INC HWSI AT ASHEVILLE N   | NORTH CAROLINA | 1 | 5000   |
| 26  | CRENTONICS INC HWSI AT ASHEVILLE N   | NORTH CAROLINA | 1 | 5000   |
| 27  | ACADEMY DRUM HWS AT CHARLOTTE NC     | NORTH CAROLINA | 1 | 5000   |
| 28  | ACADEMY DRUM HWS AT CHARLOTTE NC     | NORTH CAROLINA | 1 | 5000   |
| 29  | ACADEMY DRUM HWS AT CHARLOTTE NC     | NORTH CAROLINA | 1 | 5000   |
| 30  | ACADEMY DRUM HWS AT CHARLOTTE NC     | NORTH CAROLINA | 1 | 5000   |
| 31  | JACO HUGHES PROPERTY AT PLYMOUTH NC  | NORTH CAROLINA | 1 | 5000   |
| 32  | INDUSTRIAL CHEM CO PLANT SITE NR NO  | SOUTH CAROLINA | 1 | 5000   |
| 33  | INDUSTRIAL CHEM CO AREA NEAR ROCK N  | SOUTH CAROLINA | 1 | 5000   |
| 34  | INDUSTRIAL CHEM CO PLANT SITE NR NO  | SOUTH CAROLINA | 1 | 5000   |
| 35  | INDUSTRIAL CHEM CO LANDFILL NR ROCK  | SOUTH CAROLINA | 1 | 5000   |
| 36  | ETHYL CORPORATION CHEMICAL DIV AT O  | SOUTH CAROLINA | 1 | 5000   |
| 37  | MEMPHIS TOWN AT WINSTON DN AREA 3AN  | TENNESSEE      | 1 | 5000   |
| 38  | MEMPHIS TOWN AT WINSTON DN AREA 3AN  | TENNESSEE      | 1 | 5000   |
| 39  | MEMPHIS TOWN AT WINSTON DN AREA 3AN  | TENNESSEE      | 1 | 5000   |
| 40  | MEMPHIS TOWN AT IMATSEH POND AREA 5  | TENNESSEE      | 1 | 5000   |
| 41  | MEMPHIS TOWN AT IMATSEH POND AREA 5  | TENNESSEE      | 1 | 5000   |
| 42  | MEMPHIS AREA HAZARDOUS WASTE SITE 1  | TENNESSEE      | 1 | 5000   |
| 43  | MEMPHIS AREA HAZARDOUS WASTE SITE 1  | TENNESSEE      | 1 | 5000   |
| 44  | MEMPHIS AREA HAZARDOUS WASTE SITE 1  | TENNESSEE      | 1 | 5000   |
| 45  | TRIBUTARY TO CHATTANOOGA CREEK 2.2   | TENNESSEE      | 1 | 4000   |
| 46  | ARTHUR HILL (507)                    | ALBANY         | 1 | 4000   |
| 47  | DEWEY HAY REGULATORY CSO             | DENVER         | 1 | 3162   |
| 48  | MEMPHIS AREA HAZARDOUS WASTE SITE 1  | TENNESSEE      | 1 | 3000   |
| 49  | HAWAIIAN BAY                         | HAWAII         | 1 | 2712   |
| 50  | ROCK SLOUGH AT DELTA RD BRIDGE       | CALIFORNIA     | 1 | 2500   |
| 51  | SAN JOAQUIN R AT ANTILOPE MARY       | CALIFORNIA     | 1 | 2500   |
| 52  | KEEL RIVER AT RIO DELL, DAVIS STREET | CALIFORNIA     | 1 | 2500   |
| 53  | LAS VEGAS BASIN AT MOUNT SHUTE ROAD  | NEVADA         | 1 | 2500   |
| 54  | CALLVILLE BAY LAKE HEAD              | NEVADA         | 1 | 2500   |
| 55  | LAS VEGAS BAY LAKE HEAD              | NEVADA         | 1 | 2500   |
| 56  | SAN JOAQUIN RIVER AT STANISLAUS CO.  | CALIFORNIA     | 1 | 2500   |

TABLE A-9. (Continued)

| UBS | LOC                                  | STATE          | N | PRIN    |
|-----|--------------------------------------|----------------|---|---------|
| 57  | LARI HEADQUARTERS AT HWY 20 BRIDGE   | CALIFORNIA     | 1 | 2500.00 |
| 58  | RUSSIAN RIVER AT UTAH TREATMENT PL   | CALIFORNIA     | 1 | 2500.00 |
| 59  | RUSSIAN RIVER - ROUTE 410            | CALIFORNIA     | 1 | 2500.00 |
| 60  | MAD RIVER AT ESSIE LAKE              | CALIFORNIA     | 1 | 2500.00 |
| 61  | SANTA CRUZ BELOW AUGEN ROAD WASTE L  | ARIZONA        | 1 | 2500.00 |
| 62  | TOPAZ LAKE                           | NEVADA         | 1 | 2500.00 |
| 63  | WILCO MAT                            | HAWAII         | 1 | 2500.00 |
| 64  | HOUSTON SHIP CHANNEL AT THE TURNING  | TEXAS          | 2 | 2138.00 |
| 65  | SPokane R 0.5 MI AB SPOKANE STP      | WASHINGTON     | 1 | 2000.00 |
| 66  | SPokane R AT SPOKANE STP OUTFALL     | WASHINGTON     | 2 | 2000.00 |
| 67  | SPokane R 0.5 MI SPOKANE STP         | WASHINGTON     | 2 | 2000.00 |
| 68  | SPokane R 1.5 MI RL SPOKANE STP      | WASHINGTON     | 2 | 2000.00 |
| 69  | SPokane R AT POST FALLS ID           | IDAHO          | 1 | 2000.00 |
| 70  | SPokane R .5 MI ABV COLUM D'ALENE S  | IDAHO          | 1 | 2000.00 |
| 71  | SPokane R @ HWY 95 .3 MI AB C D'ALEN | IDAHO          | 1 | 2000.00 |
| 72  | SPokane RIVEN 3.5 MI. BELOW COLUM D  | IDAHO          | 1 | 2000.00 |
| 73  | YAKIMA RIVEN @ HWY 2.4 MI. RICHLAND  | WASHINGTON     | 1 | 2000.00 |
| 74  | YAKIMA R @ YAKIMA MUN. WTR INTAKE (  | WASHINGTON     | 1 | 2000.00 |
| 75  | YAKIMA R @ MOUTH @ TWIN BRIDGES RR   | WASHINGTON     | 1 | 2000.00 |
| 76  | COLUMBIA R @ PASCO WTR INTAKE (NR33  | WASHINGTON     | 1 | 2000.00 |
| 77  | PURITHEUR R 1/4 MI ABV POCATELLO STP | IDAHO          | 1 | 2000.00 |
| 78  | PURITHEUR R 1/4 MI BELOW POCATELLO S | IDAHO          | 1 | 2000.00 |
| 79  | PURITHEUR R 3/4 MI BELOW POCATELLO S | IDAHO          | 1 | 2000.00 |
| 80  | BATISE SPRINGS 3/4 MI BELOW PUMPING  | IDAHO          | 1 | 2000.00 |
| 81  | RICHLAND WTR INTAKE (COLUMBIA R)     | WASHINGTON     | 1 | 2000.00 |
| 82  | SKOKOMISH RIVEN AT STATE HIGHWAY 10  | WASHINGTON     | 1 | 2000.00 |
| 83  | PIG QUILCENE RIVEN AT FORT TOWNSEND  | WASHINGTON     | 1 | 2000.00 |
| 84  | MANCHESTER, WA. WATER SUPPLY         | WASHINGTON     | 1 | 2000.00 |
| 85  | ROUSE CREEK AT U.S. 101 BRIDGE       | WASHINGTON     | 1 | 2000.00 |
| 86  | CLEAR LAKE @ BECETA, OREGON WATER I  | OREGON         | 1 | 2000.00 |
| 87  | DEL LAKE @ LAKESIDE, OREGON WATER I  | OREGON         | 1 | 2000.00 |
| 88  | CLEAR LAKE @ NEEDSPONT, OREGON WATER | OREGON         | 1 | 2000.00 |
| 89  | ALBA CR. RESERVOIR @ COQUILLE WATER  | OREGON         | 1 | 2000.00 |
| 90  | BORRISVILLE AREA HAZARDOUS WASTE SI  | NORTH CAROLINA | 1 | 2000.00 |
| 91  | ALAMO LAKE                           | ARIZONA        | 1 | 1971.00 |
| 92  | HUMBOLDT RIVER @ INLAY               | TENNESSEE      | 1 | 1900.00 |
| 93  | YUBA RIVER BLAR HANTSVILLE           | NEVADA         | 1 | 1857.00 |
| 94  | ARTHUR HILL (520)                    | CALIFORNIA     | 1 | 1830.00 |
| 95  | AMERICAN R. AT ELHANTO ST.           | NEW YORK       | 1 | 1800.00 |
| 96  | BUFFALO CR AT AMERICAN RIVER         | CALIFORNIA     | 1 | 1750.00 |
| 97  | SALINAS RIVER AT GONZALES            | CALIFORNIA     | 1 | 1726.00 |
| 98  | BOULDER CREEK AT MOUTH               | ARIZONA        | 1 | 1698.00 |
| 99  | CANSON M. @ RIVERVIEW                | NEVADA         | 1 | 1698.00 |
| 100 | ONDES M BL TINEHANA RES.             | CALIFORNIA     | 1 | 1664.00 |
| 101 | SANTA ANA RIVEN BELOW PRADO DAM      | CALIFORNIA     | 1 | 1640.00 |
| 102 | TRUCKEE RIVEN AT LOCKWOOD            | NEVADA         | 1 | 1631.00 |
| 103 | BOULDER CREEK ABOVE WILSON CREEK     | ARIZONA        | 2 | 1617.50 |
| 104 | AMERICAN R. ABOVE SUNRISE CR.        | ARIZONA        | 1 | 1594.00 |
| 105 | AMERICAN R. AT BATES AVE.            | CALIFORNIA     | 1 | 1590.00 |
| 106 | COPPER CREEK AB BOULDER CREEK        | CALIFORNIA     | 1 | 1590.00 |
| 107 | GILA RIVEN AT GILLESPIE DAM          | ARIZONA        | 1 | 1551.00 |
| 108 | LABOYAN DAM                          | ARIZONA        | 2 | 1515.00 |
| 109 | COLORADO RIVEN BELOW JAMES DAM       | NEVADA         | 1 | 1485.00 |
| 110 | ARTHUR HILL (506)                    | ARIZONA        | 1 | 1461.00 |
| 111 |                                      | NEW YORK       | 1 | 1460.00 |
| 112 |                                      | TENNESSEE      | 1 | 1460.00 |

TABLE A-9. (Continued)

| ONS | LUC                                  | STATE       | N | RIAL    |
|-----|--------------------------------------|-------------|---|---------|
| 113 | COLOHADO R. @ TUNA                   | ARIZONA     | 1 | 1399.00 |
| 114 | KAHULUA HARBOR                       | HAWAII      | 2 | 1292.00 |
| 115 | FLAKE HARBOR E. ILLA                 | HAWAII      | 1 | 1250.00 |
| 116 | ALA HAI CANAL                        | HAWAII      | 1 | 1250.00 |
| 117 | E. FORK OYUNTE RIVER @ OYUNTE        | NEVADA      | 1 | 1250.00 |
| 118 | CALSON R. @ BEN EMPIRE               | NEVADA      | 2 | 1209.00 |
| 119 | S. FORK TOLT AT SEATTLE D.M. INTAKE  | WASHINGTON  | 2 | 1200.00 |
| 120 | CHUDAN R. @ LANDSHUNG (SEATTLE D.M.) | WASHINGTON  | 2 | 1200.00 |
| 121 | DUNAMISH R. BELOW BENTON STP (NM 9)  | WASHINGTON  | 2 | 1200.00 |
| 122 | DUNAMISH RIVER ALAN RENT (NM 10-JU)  | WASHINGTON  | 2 | 1200.00 |
| 123 | TRUCKEE RIVER AT FANAD               | CALIFORNIA  | 3 | 1185.00 |
| 124 | LAKE YAHUE AT SAND HARBOR            | NEVADA      | 2 | 1119.50 |
| 125 | 0.6MI EAST OF SANDY HOOK ST PK       | NEW JERSEY  | 1 | 1100.00 |
| 126 | SEDIMENT @ ADAR MATIN INTAKE         | CHLCON      | 1 | 1000.00 |
| 127 | TOMEN CHEMICAL CO AREA HAZARDOUS WA  | FLORIDA     | 1 | 1000.00 |
| 128 | TOMEN CHEMICAL CO AREA HAZARDOUS WA  | FLORIDA     | 1 | 1000.00 |
| 129 | TOMEN CHEMICAL CO AREA HAZARDOUS WA  | FLORIDA     | 1 | 1000.00 |
| 130 | PENSACOLA HAZARDOUS WASTE SITE DEUL  | FLORIDA     | 1 | 1000.00 |
| 131 | PENSACOLA HAZARDOUS WASTE SITE DEUL  | FLORIDA     | 1 | 1000.00 |
| 132 | REHINIS AREA HAZARDOUS WASTE SITE I  | TENNESSEE   | 1 | 1000.00 |
| 133 | ROOSEVELT LAKE SALT A. ANN           | ARIZONA     | 2 | 874.65  |
| 134 | QUEMBADA FRONTENA 600 M DOWNSTREAM   | PUEBTO RICO | 1 | 820.00  |
| 135 | LYBE LAKE                            | ARIZONA     | 1 | 786.10  |
| 136 | BORELUMBE R. AT WOODMIDGE            | CALIFORNIA  | 1 | 733.10  |
| 137 | BUCKEYE CANAL @ LITCHFIELD           | ARIZONA     | 1 | 725.00  |
| 138 | TUOLUMBE RIVER AT TUOLUMBE CITY      | CALIFORNIA  | 1 | 693.40  |
| 139 | PATAGONIA LAKE                       | ARIZONA     | 1 | 651.00  |
| 140 | ALAMO R. @ CALIFORNIA                | CALIFORNIA  | 1 | 639.30  |
| 141 | SAN FRANCISCO R. AT CLIFTON          | ARIZONA     | 1 | 636.40  |
| 142 | ASHTABULA HARBOR                     | OHIO        | 4 | 572.50  |
| 143 | JOHN P. FALLO LORDFILL, BELLHARR N.  | NEW JERSEY  | 2 | 500.00  |
| 144 | CALCASIEU R. AT MOSS LAKE            | LOUISIANA   | 1 | 500.00  |
| 145 | NECHES R. @ 7 MI OF FORT ARTHUR      | TEXAS       | 2 | 500.00  |
| 146 | I-90 FLEWAT DRAIN --- LAKE WASHING   | WASHINGTON  | 1 | 496.50  |
| 147 | OKS RIVER R. AT EUCLID AVE BR        | INDA        | 2 | 490.00  |
| 148 | TRIBUTARY TO CHATTANOOGA CREEK 4.45  | TENNESSEE   | 1 | 490.00  |
| 149 | DOWASTHEAR SIDE MIT 260 BR           | ICNA        | 1 | 480.00  |
| 150 | HAN WATER INTAKE AT DAVENPORT        | ICNA        | 1 | 460.00  |
| 151 | SHILLBOCK R. UPST OF NORTHWOOD       | ICNA        | 1 | 460.00  |
| 152 | 2000 FT. ABOVE A. PUNHAL DAN TONIL   | VERMONT     | 1 | 410.00  |
| 153 | ALISO WATER INTAKE (COLLIER R)       | WASHINGTON  | 1 | 400.00  |
| 154 | KALAMA WATER INTAKE (KALAMA R)       | WASHINGTON  | 1 | 400.00  |
| 155 | WOODLAND WATER INTAKE (LEWIS R)      | WASHINGTON  | 1 | 400.00  |
| 156 | SHONONISH RIVER AT SHONONISH         | WASHINGTON  | 1 | 400.00  |
| 157 | POTALUP RIVER AT POTALUP             | WASHINGTON  | 1 | 400.00  |
| 158 | WASHON ISLAND : WELL P1 (N1)         | WASHINGTON  | 1 | 400.00  |
| 159 | WASHON ISLAND : WELL P2 (S1)         | WASHINGTON  | 1 | 400.00  |
| 160 | URION R. @ BREWENTON MUN WATER INTAK | WASHINGTON  | 1 | 400.00  |
| 161 | SARNAISH RIVER AT WOODVILLE          | WASHINGTON  | 1 | 400.00  |
| 162 | CHALALIS R. @ CENTRALIA              | WASHINGTON  | 1 | 400.00  |
| 163 | BF BELMONT R. @ CENTRALIA INTAKE     | WASHINGTON  | 1 | 400.00  |
| 164 | ARTHUR KILL (503)                    | NY YORK     | 1 | 400.00  |
| 165 | WASTE DISPOSAL INC. KEYPORT, NJ      | NEW JERSEY  | 2 | 364.00  |
| 166 | 7.4MI EAST OF SANDY HOOK ST PK       | NEW JERSEY  | 1 | 320.00  |
| 167 | DUNAMISH RIVER S. OF HANNOH AVENUE   | WASHINGTON  | 1 | 315.30  |
| 168 | 12MI EAST OF SANDY HOOK ST PK        | NEW JERSEY  | 1 | 270.00  |

TABLE A-9. (Continued)

| DBS | LOC                                  | STATE            | N | FEAS    |
|-----|--------------------------------------|------------------|---|---------|
| 169 | PRINCETON DISPOSAL - SOUTH BRUNSWICK | NEW JERSEY       | 3 | 201.000 |
| 170 | QUEENADA FRONTIER 1200 N DOWNSTREAM  | PUEBLO NICO      | 1 | 240.000 |
| 171 | QUEENADA FRONTIER 2 N UPSTREAM FROM  | PUEBLO NICO      | 1 | 216.000 |
| 172 | 6 MILLS EAST OF SANDY HOOK ST PK     | NEW JERSEY       | 1 | 210.000 |
| 173 | QUEENADA FRONTIER 1050 N DOWNSTREAM  | PUEBLO NICO      | 1 | 206.000 |
| 174 | BEAVENTON CH AB TERTHODIT EFF        | CHICAGO          | 1 | 200.000 |
| 175 | AT LAGING STATION                    | CHICAGO          | 1 | 200.000 |
| 176 | WILSON ROAD BRIDGE                   | TENNESSEE        | 1 | 200.000 |
| 177 | POND NEAR TENNESSEE-GEORGIA STATE L  | TENNESSEE        | 1 | 200.000 |
| 178 | BOULDER CREEK BELOW HOLMSTADT WASH   | ARIZONA          | 1 | 190.000 |
| 179 | ADJACENT SOUTH SIDE OF RIVER         | NEW JERSEY       | 1 | 160.000 |
| 180 | SPRING BRICKMATEL 1000 FT SOUTH OF   | VERMONT          | 1 | 160.000 |
| 181 | 2.5MI SE OF ARTHUR HORN              | NEW JERSEY       | 1 | 140.000 |
| 182 | 4000 FT BELOW EAST CREEK RUTLAND TO  | VERMONT          | 1 | 140.000 |
| 183 | LAKE WASHINGTON NEAR COTTEL          | WASHINGTON       | 1 | 136.000 |
| 184 | WILSON STREET CSO                    | WASHINGTON       | 1 | 131.600 |
| 185 | QUEENADA FRONTIER 10 N BELOW ALKALO  | PUEBLO NICO      | 1 | 110.000 |
| 186 | 1000 FT. BELOW N. PONDAL DAM AB TAN  | VERMONT          | 1 | 110.000 |
| 187 | NACK'S SANITARY LANDFILL - DEPTFORD  | NEW JERSEY       | 2 | 108.500 |
| 188 | CLAY CREEK AT HOUSE 104              | CALIFORNIA       | 1 | 100.000 |
| 189 | EAST BRANCH NED CLAY CREEK NEAR FIV  | PENNSYLVANIA     | 1 | 83.000  |
| 190 | WATER DISTRICT INTAKE BETWEEN FARM   | VERMONT          | 1 | 80.000  |
| 191 | POWER LINE CROSSING 1.5 MI ABOVE PI  | VERMONT          | 1 | 80.000  |
| 192 | CLINTON N AT I-94 BRIDGE; HANNSON    | MICHIGAN         | 1 | 61.000  |
| 193 | T & MARION ST AT MEMPHIS TN TO MISS  | TENNESSEE        | 1 | 60.000  |
| 194 | SCHNECTADY CHEMICAL CORPORATION NO   | NEW YORK         | 2 | 50.000  |
| 195 | CANALIZO (LAGO LOIZA) RESERVOIR NKA  | PUEBLO NICO      | 1 | 50.000  |
| 196 | OFF LIPMAN ST AT IJC OUTFALL TOXIC   | VERMONT          | 1 | 50.000  |
| 197 | CANALIZO (LAGO LOIZA) RESERVOIR      | PUEBLO NICO      | 1 | 48.000  |
| 198 | 9.5MI SOUTH OF ATLANTIC BEACH        | NEW YORK         | 1 | 45.000  |
| 199 | BEAVENTON CH .7MI BL TERTHODIT EFF   | CHICAGO          | 1 | 40.000  |
| 200 | NORTH OF LAZY LADY ISLAND AT PHN 4   | VERMONT          | 1 | 40.000  |
| 201 | STORM DRAIN 7 --- LAKE WASHINGTON    | WASHINGTON       | 1 | 35.750  |
| 202 | BEAVENTON CH @ TERTHODIT OUTFALL     | CHICAGO          | 1 | 30.000  |
| 203 | ADJACENT TO ARTHUR CHANNEL           | NEW JERSEY       | 1 | 25.000  |
| 204 | QUEENADA FRONTIER 10 N BELOW RTE 3   | PUEBLO NICO      | 1 | 24.000  |
| 205 | CLINTON N AT CRUCKEN ST BR; CITY OF  | MICHIGAN         | 1 | 24.000  |
| 206 | LEDAN RIVER AT MOUTH                 | WASHINGTON       | 1 | 23.750  |
| 207 | IONAC CHEMICAL CORP. HILLSBORO, NJ   | NEW JERSEY       | 3 | 23.000  |
| 208 | SANFORD RIVER AT MOUTH               | WASHINGTON       | 1 | 22.250  |
| 209 | CANALIZO (LAGO LOIZA) RESERVOIR      | PUEBLO NICO      | 1 | 22.000  |
| 210 | MADISON PARK CSO                     | WASHINGTON       | 1 | 20.350  |
| 211 | BEAVENTON CH .5MI BL TERTHODIT EFF   | CHICAGO          | 1 | 20.000  |
| 212 | FM-250 SCIOTO RIG RUN NW 1 270 NW C  | OHIO             | 1 | 20.000  |
| 213 | HANFORD STREET CSO                   | WASHINGTON       | 1 | 16.550  |
| 214 | HANFORD & BR DARTINGTON NJ           | NEW JERSEY       | 1 | 10.000  |
| 215 | BEAK SWAMP NE BR DARTINGTON NJ       | NEW JERSEY       | 1 | 10.000  |
| 216 | FOX RIVER AT WRIGHTSTOWN, WI         | WISCONSIN        | 1 | 10.000  |
| 217 | HABITONUC RIVER AT HABITONUC, WI     | WISCONSIN        | 1 | 10.000  |
| 218 | CLINTON N SPILLW HANFORD AVE; CLINTO | MICHIGAN CO., MI | 1 | 10.000  |

TABLE A-10. FRESHWATER REGIONS CONTAINING ELEVATED SEDIMENT LEVELS OF BENZO(A)ANTHRACENE.  
CONCENTRATIONS ARE IN  $\mu\text{g/kg}$ .

| ORD | LOC                                  | STATE          | N | MEAN    |
|-----|--------------------------------------|----------------|---|---------|
| 1   | QUEEN CITY DIS SITE MAPLE VALLEY/IO  | WASHINGTON     | 1 | 14600.0 |
| 2   | QUEEN CITY DIS SITE MAPLE VALLEY/PO  | WASHINGTON     | 1 | 11000.0 |
| 3   | QUEEN CITY DIS SITE MAPLE VALLEY/PO  | WASHINGTON     | 1 | 2500.0  |
| 4   | GLIDDEN PAINT CO AT ATLANTA GA TO A  | GEORGIA        | 1 | 2500.0  |
| 5   | HILL HAY                             | HAWAII         | 1 | 1750.0  |
| 6   | IMP AT DENISON HAN WASTE             | ICHA           | 1 | 1600.0  |
| 7   | FARMHAST HAN WASTE TO ANAHEIMICS     | ICHA           | 1 | 1000.0  |
| 8   | FARMHAST FIDAL CLARIFIER XIP         | ICHA           | 1 | 1000.0  |
| 9   | TUDA RIVER NEAR HARTSVILLE           | CALIFORNIA     | 2 | 650.0   |
| 10  | LANGSTAN DAM                         | NEVADA         | 2 | 650.0   |
| 11  | BOULDER CREEK AT FLUTH               | ARIZONA        | 2 | 650.0   |
| 12  | BURBOLT RIVER @ INLAY                | NEVADA         | 2 | 637.5   |
| 13  | BLUE RIVER AT STORMDRAIN             | MISSOURI       | 1 | 400.0   |
| 14  | BLUE RIVER SEDIMENT AT GUILDOTT      | MISSOURI       | 1 | 400.0   |
| 15  | BLUE RIVER SEDIMENT AT 1-435 HW      | MISSOURI       | 1 | 400.0   |
| 16  | BLUE RIVER AT WADCHESTER BRIDGE      | MISSOURI       | 1 | 200.0   |
| 17  | BLUE RIVER SEDIMENT AT 10 ST         | MISSOURI       | 1 | 200.0   |
| 18  | BLUE RIVER SEDIMENT AT 15 ST BR      | MISSOURI       | 1 | 200.0   |
| 19  | BLUE R. IN CONP./MISSOURI RIVER      | MISSOURI       | 2 | 117.5   |
| 20  | BLUE RIVER STATION 40 (BW-40)        | MISSOURI       | 2 | 115.0   |
| 21  | PHILLIPS ALAN SOON WATER STRIP E     | KANSAS         | 1 | 100.0   |
| 22  | PHILLIPS HHS INFILTR                 | KANSAS         | 1 | 100.0   |
| 23  | MOBILE PAINT APL CO MOBILE AL TO BJ  | ALABAMA        | 1 | 100.0   |
| 24  | ROCKY CREEK STP AT CHESTER SC TO RO  | SOUTH CAROLINA | 1 | 160.0   |
| 25  | AMERICAN R. ABOVE SUNNISE HW         | CALIFORNIA     | 1 | 50.0    |
| 26  | BUFFALO CR AT AMERICAN RIVER         | CALIFORNIA     | 1 | 50.0    |
| 27  | AMERICAN R. AT ELNANTO ST.           | CALIFORNIA     | 1 | 50.0    |
| 28  | COLORADO RIVER BELOW PARKER DAM      | ARIZONA        | 1 | 50.0    |
| 29  | COLORADO R. @ TUNA                   | ARIZONA        | 1 | 50.0    |
| 30  | BUCKEYE CANAL @ LITCHFIELD           | ARIZONA        | 1 | 50.0    |
| 31  | GILA RIVER AT GILLESPIE DAM          | ARIZONA        | 1 | 50.0    |
| 32  | ALAMO LAKE                           | ARIZONA        | 1 | 50.0    |
| 33  | ALAMO R IN CALIFORNIA                | CALIFORNIA     | 1 | 50.0    |
| 34  | OWENS R BL TIERHARA RES.             | CALIFORNIA     | 1 | 50.0    |
| 35  | SALINAS RIVER AT GONZALES            | CALIFORNIA     | 1 | 50.0    |
| 36  | SANTA ANA RIVER BELOW PHARO DAM      | CALIFORNIA     | 1 | 50.0    |
| 37  | PEARL HARBOR E. LUCA                 | HAWAII         | 1 | 50.0    |
| 38  | ALA WAI CANAL                        | HAWAII         | 1 | 50.0    |
| 39  | WAILIMILI HAY                        | HAWAII         | 1 | 50.0    |
| 40  | WAILIMILI HARBOR                     | HAWAII         | 1 | 50.0    |
| 41  | CANSON R. @ HAVENVIEW                | NEVADA         | 1 | 50.0    |
| 42  | CANSON R. @ NEW IMPINE               | NEVADA         | 1 | 50.0    |
| 43  | TOPAZ LAKE                           | NEVADA         | 1 | 50.0    |
| 44  | E. FORD OUTLET RIVER @ GUTHRIE       | NEVADA         | 1 | 50.0    |
| 45  | COPIER LAKE AN BOULDER CREEK         | ARIZONA        | 1 | 50.0    |
| 46  | BOULDER CREEK ABOVE WILDER CREEK     | ARIZONA        | 1 | 50.0    |
| 47  | BOULDER CREEK BELOW HOLMULLAND WASH  | ARIZONA        | 1 | 50.0    |
| 48  | PHILLIPS ALAN SOON WATER STRIP E     | KANSAS         | 1 | 50.0    |
| 49  | GOODYEAR-TOPEKA- FVAP LAKE           | KANSAS         | 1 | 50.0    |
| 50  | ETHYL COMBINATION CHEMICAL DIV AT O  | SOUTH CAROLINA | 1 | 50.0    |
| 51  | LOUSANATHIE INTERLAPION WAPPS MON    | MISSISSIPPI    | 1 | 50.0    |
| 52  | MOONIE CREEK TALORA (STRIPPING EFFLU | WASHINGTON     | 1 | 30.0    |
| 53  | BLUE RIVER STATION 40 (BW-40)        | MISSOURI       | 1 | 30.0    |
| 54  | ELL RIVER AT RIO DELL, DAVIS STREET  | CALIFORNIA     | 1 | 25.0    |
| 55  | LAS VEGAS WASH AT NORTH SHAW ROAD    | NEVADA         | 1 | 25.0    |
| 56  | WELL IN NORTH HOGAN ROAD CUTFALL R   | ARIZONA        | 1 | 25.0    |

TABLE A-10. (Continued)

| QAS | LOC                                   | STATE            | N | BLAN |
|-----|---------------------------------------|------------------|---|------|
| 57  | CALVILLE BAT LAKE HEAD                | NEVADA           | 1 | 25   |
| 58  | LAS VEGAS BAT LAKE HEAD               | NEVADA           | 1 | 25   |
| 59  | HUGHES ROAD WASTE WATER PLANT OUTFALL | ARIZONA          | 1 | 25   |
| 60  | SAN JOAQUIN RIVER AT STANISLAUS CO.   | CALIFORNIA       | 1 | 25   |
| 61  | RUSSIAN RIVER - MOUNT MID             | CALIFORNIA       | 1 | 25   |
| 62  | RAID RIVER AT ESSEX LAKE              | CALIFORNIA       | 1 | 25   |
| 63  | THUNDER RIVER AT TOLANDWOOD           | NEVADA           | 1 | 25   |
| 64  | SACRAMENTO CENTRAL TREATMENT PLANT    | CALIFORNIA       | 1 | 25   |
| 65  | LARK TANK AT SAND HARBOR              | NEVADA           | 1 | 25   |
| 66  | AFRICAN R. AT MATTS AVE.              | CALIFORNIA       | 1 | 25   |
| 67  | ARMSTRONG LITE WATER SUPPLY           | ILWA             | 1 | 20   |
| 68  | ARMSTRONG WELL WATER SUPPLY           | ILWA             | 1 | 20   |
| 69  | TAMPA PL AT TAYLOR RD LANDFILL HAZ    | FLORIDA          | 1 | 20   |
| 70  | TAMPA PL AT TAYLOR RD LANDFILL HAZ    | FLORIDA          | 1 | 20   |
| 71  | TAMPA PL AT STONEY RINE HAZARDOUS W   | FLORIDA          | 1 | 20   |
| 72  | TAMPA PL AT STONEY RINE HAZARDOUS W   | FLORIDA          | 1 | 20   |
| 73  | TAMPA PL AT STONEY RINE HAZARDOUS W   | FLORIDA          | 1 | 20   |
| 74  | MIDDLEBORO STP AT MIDDLEBORO RT 1     | KENTUCKY         | 1 | 20   |
| 75  | ACADEMY DRUM HVS AT CHARLOTTE NC      | NORTH CAROLINA   | 1 | 20   |
| 76  | ACADEMY DRUM HVS AT CHARLOTTE NC      | NORTH CAROLINA   | 1 | 20   |
| 77  | ACADEMY DRUM HVS AT CHARLOTTE NC      | NORTH CAROLINA   | 1 | 20   |
| 78  | ACADEMY DRUM HVS AT CHARLOTTE NC      | NORTH CAROLINA   | 1 | 20   |
| 79  | ACADEMY DRUM HVS AT CHARLOTTE NC      | NORTH CAROLINA   | 1 | 20   |
| 80  | ACADEMY DRUM HVS AT CHARLOTTE NC      | NORTH CAROLINA   | 1 | 20   |
| 81  | ACADEMY DRUM HVS AT CHARLOTTE NC      | NORTH CAROLINA   | 1 | 20   |
| 82  | ROCKET CREEK STP AT CHESTER SC TO MO  | SOUTH CAROLINA   | 1 | 20   |
| 83  | MANSET LAGOON SLUDGE FROM CELL 1      | MISSOURI         | 1 | 15   |
| 84  | ETHYL CORPORATION CHEMICAL DIV AT O   | SOUTH CAROLINA   | 1 | 15   |
| 85  | VERMILION CO DUMPSITE AREA IN HANCOCK | TENNESSEE        | 1 | 13   |
| 86  | VERMILION CO DUMPSITE AREA IN HANCOCK | TENNESSEE        | 1 | 13   |
| 87  | DES MOINES STP EFFLUENT               | ICWA             | 1 | 12   |
| 88  | PLEASANT HILL IOWA STP CLARK EFF      | ICWA             | 1 | 12   |
| 89  | ALTOONA IOWA STP EFF DRYDEN CL        | ICWA             | 2 | 12   |
| 90  | ANNIST STP INDUSTRIAL EFFLUENT        | ICWA             | 2 | 12   |
| 91  | ANNIST STP DOMESTIC EFFLUENT          | ICWA             | 2 | 12   |
| 92  | ORLANDALE STP EFFLUENT                | ICWA             | 1 | 12   |
| 93  | ANNIST EAST STP EFFLUENT              | ICWA             | 1 | 12   |
| 94  | DES MOINES R AT EUCLID AVE MO         | ICWA             | 1 | 12   |
| 95  | IOWA FUND JND PARK PENN. DIS 001      | ICWA             | 2 | 12   |
| 96  | POTOMAC R. AT GREAT FALLS, MD.        | MARYLAND         | 1 | 10   |
| 97  | RAFF. R. AT RT. 2, FARMERS, VA.       | VIRGINIA         | 1 | 10   |
| 98  | PARHAMPT R. AT RT. 2-301, VA.         | VIRGINIA         | 1 | 10   |
| 99  | WATAPONT R. AT RT. 2-301, VA.         | VIRGINIA         | 1 | 10   |
| 100 | PAVEMENT R. AT ROUTE 50, MD.          | MARYLAND         | 1 | 10   |
| 101 | DELAWARE R QUAIL ST LITTLE TIRICOR    | PENNSYLVANIA     | 1 | 10   |
| 102 | SCHUYLKILL R C 1 AT RCUTN             | PENNSYLVANIA     | 1 | 10   |
| 103 | DELAWARE R C 19 TUNNELDALE            | PENNSYLVANIA     | 2 | 10   |
| 104 | DELAWARE R R 30 31 FOGGINTH CHANL     | PENNSYLVANIA     | 1 | 10   |
| 105 | DELAWARE R R 50 FLORENCE BRID         | PENNSYLVANIA     | 2 | 10   |
| 106 | DELAWARE R C 103 MOON CHANNEL         | PENNSYLVANIA     | 1 | 10   |
| 107 | SCHUYLKILL R RTE 303 BR BERTWOOD      | PENNSYLVANIA     | 1 | 10   |
| 108 | SCHUYLKILL R RTE 422 IN E IT STP      | PENNSYLVANIA     | 1 | 10   |
| 109 | PHILADELPHIA R. RT 10                 | PENNSYLVANIA     | 1 | 10   |
| 110 | HEADING STP IN                        | PENNSYLVANIA     | 1 | 10   |
| 111 | INLAND COUNT. CO STP EFFLUENT         | MISSOURI         | 1 | 10   |
| 112 | POTOMAC AT CHAIN BRIDGE, D.C.         | WASHINGTON, D.C. | 1 | 10   |

TABLE A-10. (Continued)

| Obs | LOC                               | STATE    | N | MEAN |
|-----|-----------------------------------|----------|---|------|
| 113 | POTOMAC R. 0.135 IN FF-CV ROCKS   | MARYLAND | 1 | 10   |
| 114 | CONQUINGO DAM - TUNNEL 3          | MARYLAND | 1 | 10   |
| 115 | MONOCACY RIV AT AT 20 MOUTH 113   | MD       | 1 | 10   |
| 116 | ARKANSAS R NEAR DERRY KANSAS      | KANSAS   | 2 | 10   |
| 117 | KANSAS CITY WATER TREATMENT PLT.  | MISSOURI | 1 | 10   |
| 118 | JOHNSON CO WATER DIST NO1 INTAKE  | KANSAS   | 1 | 10   |
| 119 | MISSOURI RIVER AT PLATTSBOURNE    | NEBRASKA | 1 | 10   |
| 120 | MISSOURI RIVER NEAR 1480 BRIDGE   | NEBRASKA | 2 | 10   |
| 121 | PHILLIPS PETROLEUM CO             | KANSAS   | 4 | 10   |
| 122 | ARCO-SC LINE SLUDGE DISCH 003     | MISSOURI | 3 | 10   |
| 123 | MURRAY CHEMICAL CORPORATION       | MISSOURI | 7 | 10   |
| 124 | EFFLUENT LAUNDRY DISCHARGE        | KANSAS   | 1 | 10   |
| 125 | DANE CITY PAP INDUSTRIAL EFF.     | MISSOURI | 1 | 10   |
| 126 | WESTERN LITOPLAST EFFLUENT        | MISSOURI | 1 | 10   |
| 127 | WICHITA STP EFFLUENT              | KANSAS   | 2 | 10   |
| 128 | WATSVILLE SOUTH STP EFFLUENT 001  | KANSAS   | 2 | 10   |
| 129 | WATSVILLE SOUTH STP EFFLUENT 002  | KANSAS   | 1 | 10   |
| 130 | ARKANSAS RIVER INT                | KANSAS   | 1 | 10   |
| 131 | ARKANSAS RIVER INT                | KANSAS   | 2 | 10   |
| 132 | COLMAN CO-HYDRAULIC ST-OUT DISC   | KANSAS   | 1 | 10   |
| 133 | WELCH AIRCRAFT 002 DISCHARGE      | KANSAS   | 1 | 10   |
| 134 | CRESSNA WALLACE PLANT 001 DISCH   | KANSAS   | 2 | 10   |
| 135 | COLMAN CO MOUTH PLANT 001 DISCH   | KANSAS   | 1 | 10   |
| 136 | AN CYANAMID NEW 002 DISCHARGE     | MISSOURI | 1 | 10   |
| 137 | FULLAN R BASIN                    | KANSAS   | 1 | 10   |
| 138 | HALLMARK CANDS EFFLUENT 01        | KANSAS   | 1 | 10   |
| 139 | HALLMARK CANDS EFFLUENT 02        | KANSAS   | 1 | 10   |
| 140 | EPA REGION SEVEN LABORATORY       | KANSAS   | 1 | 10   |
| 141 | GOODYEAR TOPEKA MPDES OUTFALL 01  | KANSAS   | 1 | 10   |
| 142 | GOODYEAR TOPEKA MPDES OUTFALL 002 | KANSAS   | 1 | 10   |
| 143 | GUNTERSVILLE RESERVOIR            | ALABAMA  | 3 | 10   |
| 144 | FIRESTONE TIRE CO PENNIT DIS 006  | IOWA     | 1 | 10   |
| 145 | FIRESTONE TIRE CO PENNIT DIS 008  | IOWA     | 1 | 10   |
| 146 | INDIAN CREEK & MISSION ROAD BR.   | KANSAS   | 2 | 10   |
| 147 | INDIAN CR & 11TH STREET BRIDGE    | KANSAS   | 1 | 10   |
| 148 | K.C. KANS. MAIN STP INTAKE        | KANSAS   | 3 | 10   |
| 149 | K.C. KANS. MAIN STP EFFLUENT      | KANSAS   | 3 | 10   |
| 150 | MO R ABOVE MISSOURI CITY, MO      | MISSOURI | 1 | 10   |
| 151 | WIC BLUE R STP @ KANSAS CITY, MO  | MISSOURI | 3 | 10   |
| 152 | MO R WEST SIDE K C MO STP EFF     | MISSOURI | 3 | 10   |
| 153 | ARSDORF COTTON LUMB WASTE         | MISSOURI | 1 | 10   |
| 154 | CHRISTLER CAR PLANT-IND. WASTE    | MISSOURI | 1 | 10   |
| 155 | MAHITZ CO STP EFFLUENT            | MISSOURI | 1 | 10   |
| 156 | MISSILL POINT MAIN EFFLUENT       | MISSOURI | 2 | 10   |
| 157 | MISSILL POINT ASH SEP EFF         | MISSOURI | 2 | 10   |
| 158 | SUGAR CREEK STP EFFLUENT NED      | MISSOURI | 1 | 10   |
| 159 | SUGAR CREEK LAGOON EFFLUENT MSD   | MISSOURI | 1 | 10   |
| 160 | VALLEY SENIOR CO STP EFFLUENT     | MISSOURI | 1 | 10   |
| 161 | FISHPOLE CR STP EFFLUENT          | MISSOURI | 1 | 10   |
| 162 | FENTON LAGOON EFFLUENT            | MISSOURI | 1 | 10   |
| 163 | BRADSHAW STP EFFLUENT             | MISSOURI | 1 | 10   |
| 164 | VALLEY PARK LAGOON EFFLUENT       | MISSOURI | 1 | 10   |
| 165 | TRILL LOUIS INDUSTRIAL STP INT.   | MISSOURI | 1 | 10   |
| 166 | NORTH KC STP INTAKE               | MISSOURI | 3 | 10   |
| 167 | NORTH KC STP EFFLUENT             | MISSOURI | 3 | 10   |
| 168 | BLUW RIVER STP BLUE R MAIN INT    | MISSOURI | 3 | 10   |

TABLE A-10. (Continued)

| Obs | LOC                               | STATE         | N | MEAN |
|-----|-----------------------------------|---------------|---|------|
| 169 | MONONGAHELA RIVER AT PITTSBURG    | PENNSYLVANIA  | 1 | 10   |
| 170 | MAHONING R. AT HILLSVILLE         | PENNSYLVANIA  | 1 | 10   |
| 171 | SHEPANGO R. AT PYRAMTUNG RES.     | PENNSYLVANIA  | 1 | 10   |
| 172 | SHEPANGO RIVER AT TULACKI         | PENNSYLVANIA  | 1 | 10   |
| 173 | CONHOQUEWICKING CR. HYLOW FILM'D  | PENNSYLVANIA  | 1 | 10   |
| 174 | BEAVER RIVER AT EAST VALE         | PENNSYLVANIA  | 1 | 10   |
| 175 | ALLIEMENT R. AT FRANKLIN BRIDGE   | PENNSYLVANIA  | 1 | 10   |
| 176 | ALLIEMENT R. AT NEW BRASINGTON    | PENNSYLVANIA  | 1 | 10   |
| 177 | ALLIEMENT R. AT HAYMOND GALE      | PENNSYLVANIA  | 1 | 10   |
| 178 | KISKIMINETAS R. AT USGS J-0885    | PENNSYLVANIA  | 1 | 10   |
| 179 | OHIO R. AT VANDON DM. NY 28.0     | PENNSYLVANIA  | 1 | 10   |
| 180 | ALLIEMENT RIVER AT KITTANNING     | PENNSYLVANIA  | 1 | 10   |
| 181 | MONONGAHELA RIVER AT CHARLENOI    | PENNSYLVANIA  | 2 | 10   |
| 182 | NEAR MOUTH OF KISKIMINETAS R.     | PENNSYLVANIA  | 1 | 10   |
| 183 | MONONGAHELA R. AT ELIZABETH BRDG  | PENNSYLVANIA  | 1 | 10   |
| 184 |                                   | TENNESSEE     | 1 | 10   |
| 185 |                                   | TENNESSEE     | 1 | 10   |
| 186 | KANAWHA RIVER AT CHELSEA          | WEST VIRGINIA | 1 | 10   |
| 187 | OHIO R. AT WMLG. MTP-COMPOSITE    | WEST VIRGINIA | 1 | 10   |
| 188 | KANAWHA RIVER ABOVE RAHNET DAM    | WEST VIRGINIA | 1 | 10   |
| 189 | KANAWHA RIVER AT RT. 60 BRIDGE    | WEST VIRGINIA | 1 | 10   |
| 190 | GUYANDOTTE R. AT BANGGUMSVILLE    | WEST VIRGINIA | 1 | 10   |
| 191 | OHIO R. ABOVE GALLIPOLIS DAM      | WEST VIRGINIA | 1 | 10   |
| 192 | OHIO RIVER AT EUGEN CREEK         | WEST VIRGINIA | 1 | 10   |
| 193 | KANAWHA R. AT DUBIAN BRIDGE       | WEST VIRGINIA | 1 | 10   |
| 194 | OHIO RIVER AT HAMBURG DAM         | WEST VIRGINIA | 1 | 10   |
| 195 | OHIO RIVER AT MILLON ISLAND DAM   | WEST VIRGINIA | 1 | 10   |
| 196 | OHIO RIVER AT HUNTINGTON INTAKE   | WEST VIRGINIA | 1 | 10   |
| 197 | KANAWHA RIVER AT WINNFIELD BRIDGE | WEST VIRGINIA | 3 | 10   |

TABLE A-11. FRESHWATER REGIONS CONTAINING ELEVATED SEDIMENT LEVELS OF FLUORENE.  
CONCENTRATIONS ARE IN  $\mu\text{g/kg}$ .

| UNS | LOC                                   | STATE          | N | MEAN   |
|-----|---------------------------------------|----------------|---|--------|
| 1   | T I HAZON STI AT MEMPHIS TN TO MISS   | TENNESSEE      | 1 |        |
| 2   | HILLINGTON STP AT HILLINGTON TN TO    | TENNESSEE      | 1 | 360000 |
| 3   | TONIN CHEMICAL CO AREA HAZARDOUS WA   | FLORIDA        | 1 | 80000  |
| 4   | TONIN CHEMICAL CO AREA HAZARDOUS WA   | FLORIDA        | 1 | 30000  |
| 5   | MEMPHIS TENN AT HOLLYWOOD RD AREA S   | TENNESSEE      | 1 | 30000  |
| 6   | MEMPHIS TENN AT HOLLYWOOD RD AREA S   | TENNESSEE      | 1 | 20000  |
| 7   | BUOREN HANILL ROAD CULVERT            | TENNESSEE      | 1 | 20000  |
| 8   | SUISUN BAY S. OF MIDDLE GROUND        | CALIFORNIA     | 1 | 19000  |
| 9   | NEW YORK SLOUGH                       | CALIFORNIA     | 1 | 10000  |
| 10  | S.F. AIRPORT INDUSTRIAL PLANT         | CALIFORNIA     | 1 | 10000  |
| 11  | TONIN CHEMICAL CO AREA HAZARDOUS WA   | FLORIDA        | 1 | 10000  |
| 12  | MEMPHIS TENN AT FRATSEN POND AREA S   | TENNESSEE      | 1 | 10000  |
| 13  | MEMPHIS TENN AT FRATSEN POND AREA S   | TENNESSEE      | 1 | 10000  |
| 14  | TRIBUTARY TO CHATTANOOGA CREEK O.J    | TENNESSEE      | 1 | 10000  |
| 15  | TAMPA FL AT STONEY HIDE HAZARDOUS W   | FLORIDA        | 1 | 6300   |
| 16  | TAMPA FL AT STONEY HIDE HAZARDOUS W   | FLORIDA        | 1 | 5000   |
| 17  | GORDON SERVICES CO AT GORDON GA TO    | GEORGIA        | 1 | 5000   |
| 18  | GORDON SERVICES CO AT GORDON GA TO    | GEORGIA        | 1 | 5000   |
| 19  | GORDON SERVICES CO AT GORDON GA TO    | GEORGIA        | 1 | 5000   |
| 20  | GORDON SERVICES CO AT GORDON GA TO    | GEORGIA        | 1 | 5000   |
| 21  | GORDON SERVICES CO AT GORDON GA TO    | GEORGIA        | 1 | 5000   |
| 22  | GORDON SERVICES CO AT GORDON GA TO    | GEORGIA        | 1 | 5000   |
| 23  | SRINIS DUMP SITE AT BRUOKS RI TO RI   | REYNOLDS       | 1 | 5000   |
| 24  | EAGLE LAKE DEAN VICKSBURG MS          | MISSISSIPPI    | 1 | 5000   |
| 25  | TENNESSEE EXPOSURE RISK STUDY         | NORTH CAROLINA | 1 | 5000   |
| 26  | PIGEON RIVER EXPOSURE RISK STUDY      | NORTH CAROLINA | 1 | 5000   |
| 27  | CHRYSTONICS INC BUSI AT ASHEVILLE N   | NORTH CAROLINA | 1 | 5000   |
| 28  | CHRYSTONICS INC BUSI AT ASHEVILLE N   | NORTH CAROLINA | 1 | 5000   |
| 29  | ACADEMY DRUM HNS AT CHARLOTTE NC      | NORTH CAROLINA | 1 | 5000   |
| 30  | ACADEMY DRUM HNS AT CHARLOTTE NC      | NORTH CAROLINA | 1 | 5000   |
| 31  | ACADEMY DRUM HNS AT CHARLOTTE NC      | NORTH CAROLINA | 1 | 5000   |
| 32  | ACADEMY DRUM HNS AT CHARLOTTE NC      | NORTH CAROLINA | 1 | 5000   |
| 33  | OLD HWY 27 DUMP AT MT HOLLY NC        | NORTH CAROLINA | 1 | 5000   |
| 34  | OLD HWY 27 DUMP AT MT HOLLY NC        | NORTH CAROLINA | 1 | 5000   |
| 35  | JARLO HUGHES PROPERTY AT HILBONY NC   | NORTH CAROLINA | 1 | 5000   |
| 36  | INDUSTRIAL CHEM CO PLANT SITE NR NO   | SOUTH CAROLINA | 1 | 5000   |
| 37  | INDUSTRIAL CHEM CO AREA NEAR ROCK N   | SOUTH CAROLINA | 1 | 5000   |
| 38  | INDUSTRIAL CHEM CO PLANT SITE NR NO   | SOUTH CAROLINA | 1 | 5000   |
| 39  | INDUSTRIAL CHEM CO LANDFILL NR ROCK   | SOUTH CAROLINA | 1 | 5000   |
| 40  | ETHYL CONTAMINATION CHEMICAL DIV AT O | SOUTH CAROLINA | 1 | 5000   |
| 41  | MEMPHIS TENN AT HOLLYWOOD RD AREA S   | TENNESSEE      | 1 | 5000   |
| 42  | MEMPHIS TENN AT WINSTON DR AREA SAN   | TENNESSEE      | 1 | 5000   |
| 43  | MEMPHIS TENN AT WINSTON DR AREA SAN   | TENNESSEE      | 1 | 5000   |
| 44  | MEMPHIS TENN AT WINSTON DR AREA SAN   | TENNESSEE      | 1 | 5000   |
| 45  | MEMPHIS TENN AT FRATSEN POND AREA S   | TENNESSEE      | 1 | 5000   |
| 46  | MEMPHIS TENN AT FRATSEN POND AREA S   | TENNESSEE      | 1 | 5000   |
| 47  | MEMPHIS TENN AT FRATSEN POND AREA S   | TENNESSEE      | 1 | 5000   |
| 48  | MEMPHIS TENN AT FRATSEN POND AREA S   | TENNESSEE      | 2 | 5000   |
| 49  | MEMPHIS TENN AT FRATSEN POND AREA S   | TENNESSEE      | 2 | 5000   |
| 50  | MEMPHIS TENN AT FRATSEN POND AREA S   | TENNESSEE      | 2 | 5000   |
| 51  | MEMPHIS TENN AT FRATSEN POND AREA S   | TENNESSEE      | 2 | 5000   |
| 52  | MEMPHIS TENN AT FRATSEN POND AREA S   | TENNESSEE      | 2 | 5000   |
| 53  | MEMPHIS TENN AT FRATSEN POND AREA S   | TENNESSEE      | 2 | 5000   |
| 54  | MEMPHIS TENN AT FRATSEN POND AREA S   | TENNESSEE      | 1 | 5000   |
| 55  | MEMPHIS TENN AT FRATSEN POND AREA S   | TENNESSEE      | 2 | 5000   |
| 56  | MEMPHIS TENN AT FRATSEN POND AREA S   | TENNESSEE      | 1 | 5000   |
|     |                                       |                | 2 | 5000   |

TABLE A-11. (Continued)

| QBS | LOC                                     | STATE         | N | DEAL |
|-----|-----------------------------------------|---------------|---|------|
| 57  | MEMPHIS TOWN AT INATSEN POND AREA S     | TENNESSEE     | 2 | 5000 |
| 58  | TENNESSEE EXPOSURE WISK SURVEY AT A     | TENNESSEE     | 1 | 5000 |
| 59  | TENNESSEE EXPOSURE WISK SURVEY AT B     | TENNESSEE     | 1 | 5000 |
| 60  | TENNESSEE EXPOSURE WISK SURVEY AT J     | TENNESSEE     | 1 | 5000 |
| 61  | MEMPHIS AREA HAZARDOUS WASTE SITE 1     | TENNESSEE     | 1 | 5000 |
| 62  | MEMPHIS AREA HAZARDOUS WASTE SITE 1     | TENNESSEE     | 1 | 5000 |
| 63  | MEMPHIS AREA HAZARDOUS WASTE SITE 1     | TENNESSEE     | 1 | 5000 |
| 64  | RAILROAD BRIDGE                         | TENNESSEE     | 1 | 4800 |
| 65  | RAILROAD BRIDGE                         | TENNESSEE     | 1 | 9800 |
| 66  | MEMPHIS AREA HAZARDOUS WASTE SITE 1     | TENNESSEE     | 1 | 3000 |
| 67  | RAILROAD BRIDGE                         | MASSACHUSETTS | 1 | 2117 |
| 68  | EAST 30TH STREET BRIDGE                 | TENNESSEE     | 2 | 2600 |
| 69  | ROCK SLOUGH AT DELTA RD BRIDGE          | CALIFORNIA    | 1 | 2500 |
| 70  | SAN JOAQUIN R AT ANTILOC WARP           | CALIFORNIA    | 1 | 2500 |
| 71  | DEL RIVER AT MIU DELL, DAVIS STREET     | CALIFORNIA    | 1 | 2500 |
| 72  | LAS VEGAS WASH AT BOWTH SHORE ROAD      | NEVADA        | 1 | 2500 |
| 73  | CALIFORNIA RAY LAKE HEAD                | NEVADA        | 1 | 2500 |
| 74  | LAS VEGAS RAY LAKE HEAD                 | NEVADA        | 1 | 2500 |
| 75  | SAN JOAQUIN RIVER AT STANISLAUS CO.     | CALIFORNIA    | 1 | 2500 |
| 76  | LAKE REDDUCINO AT HWY 20 BRIDGE         | CALIFORNIA    | 1 | 2500 |
| 77  | RUSSIAN RIVER AT URBAN TREATMENT PL     | CALIFORNIA    | 1 | 2500 |
| 78  | RUSSIAN RIVER - MOUNT RIO               | CALIFORNIA    | 1 | 2500 |
| 79  | RED RIVER AT KESSE LAKE                 | CALIFORNIA    | 1 | 2500 |
| 80  | SANTA CRUZ BELOW HUGHES ROAD WASTE W    | ARIZONA       | 1 | 2500 |
| 81  | TOPAZ LAKE                              | NEVADA        | 1 | 2500 |
| 82  | WILCO RAY                               | MASSACHUSETTS | 2 | 2136 |
| 83  | SPOKANE R 0.5 MI AB SPOKANE STP         | WASHINGTON    | 2 | 2000 |
| 84  | SPOKANE R AT SPOKANE STP OUTFALL        | WASHINGTON    | 2 | 2000 |
| 85  | SPOKANE R 0.5 MI SPOKANE STP            | WASHINGTON    | 2 | 2000 |
| 86  | SPOKANE R 1.5 MI SPOKANE STP            | WASHINGTON    | 2 | 2000 |
| 87  | SPOKANE R AT POST FALLS ID              | IDAHO         | 1 | 2000 |
| 88  | SPOKANE R .5 MI SBY COLUM L'ALLEN S     | IDAHO         | 1 | 2000 |
| 89  | SPOKANE R 0.5 MI SBY C D'ALLEN          | IDAHO         | 1 | 2000 |
| 90  | SPOKANE RIVER 1.5 MI. BELOW COLUMB D    | IDAHO         | 1 | 2000 |
| 91  | YAKIMA RIVER 0.5 MI. 224 MI. NICHOLAND  | WASHINGTON    | 1 | 2000 |
| 92  | YAKIMA R 0.5 MI. 224 MI. NICHOLAND      | WASHINGTON    | 1 | 2000 |
| 93  | YAKIMA R 0.5 MI. 224 MI. NICHOLAND      | WASHINGTON    | 1 | 2000 |
| 94  | COLUMBIA R 0.5 MI. 224 MI. NICHOLAND    | WASHINGTON    | 1 | 2000 |
| 95  | PORTNEUF R 1/4 MI. 224 MI. NICHOLAND    | IDAHO         | 1 | 2000 |
| 96  | PORTNEUF R 1/4 MI. 224 MI. NICHOLAND    | IDAHO         | 1 | 2000 |
| 97  | PORTNEUF R 1/4 MI. 224 MI. NICHOLAND    | IDAHO         | 1 | 2000 |
| 98  | PORTNEUF R 1/4 MI. 224 MI. NICHOLAND    | IDAHO         | 1 | 2000 |
| 99  | NICHOLAND RIVER INTAKE (COLUMBIA R)     | WASHINGTON    | 1 | 2000 |
| 100 | SEKONISH RIVER AT STATE HIGHWAY 10      | WASHINGTON    | 1 | 2000 |
| 101 | BIG WILLOW RIVER AT PORT TOWNSEND       | WASHINGTON    | 1 | 2000 |
| 102 | MANCHESTER, MA. WATER SUPPLY            | WASHINGTON    | 1 | 2000 |
| 103 | WONSI CREEK AT U.S. 101 BRIDGE          | WASHINGTON    | 1 | 2000 |
| 104 | CLEAR LAKE 0.5 MI. 224 MI. NICHOLAND    | OREGON        | 1 | 2000 |
| 105 | CLEAR LAKE 0.5 MI. 224 MI. NICHOLAND    | OREGON        | 1 | 2000 |
| 106 | CLEAR LAKE 0.5 MI. 224 MI. NICHOLAND    | OREGON        | 1 | 2000 |
| 107 | CLEAR LAKE 0.5 MI. 224 MI. NICHOLAND    | OREGON        | 1 | 2000 |
| 108 | WONSI CREEK AT U.S. 101 BRIDGE          | WASHINGTON    | 1 | 2000 |
| 109 | ALAMO LAKE                              | ARIZONA       | 1 | 1471 |
| 110 | HUMHOLT RIVER 0.5 MI. 224 MI. NICHOLAND | NEVADA        | 1 | 1051 |
| 111 | FOUR RIVER PLAIN RANTOVILLE             | CALIFORNIA    | 1 | 1030 |
| 112 | AMERICAN R. AT ELKLAND ST.              | CALIFORNIA    | 1 | 1450 |

TABLE A-11. (Continued)

| UHS | LOC                                 | STATE      | N | PLAN    |
|-----|-------------------------------------|------------|---|---------|
| 113 | BUFFALO CR AT AMERICAN RIVER        | CALIFORNIA | 1 | 1720.00 |
| 114 | SALINAS RIVER AT CONZALES           | CALIFORNIA | 1 | 1690.00 |
| 115 | BOULDER CREEK AT MOUTH              | ARIZONA    | 1 | 1690.00 |
| 116 | CANSON R. @ RIVERVIEW               | NEVADA     | 1 | 1664.00 |
| 117 | ONEAS R. @ TIGERADA RES.            | CALIFORNIA | 1 | 1600.00 |
| 118 | SANTA ANA RIVER BELOW PRADO DAM     | CALIFORNIA | 1 | 1631.00 |
| 119 | THUCKLE RIVER AT LOCKWOOD           | NEVADA     | 2 | 1617.50 |
| 120 | BOULDER CREEK ABOVE WILDER CREEK    | ARIZONA    | 1 | 1590.00 |
| 121 | AMERICAN R. ABOVE SUNRISE FM        | CALIFORNIA | 1 | 1590.00 |
| 122 | AMERICAN R. AT WATTS AVE.           | CALIFORNIA | 1 | 1590.00 |
| 123 | COPPER CREEK @ BOULDER CREEK        | ARIZONA    | 1 | 1551.00 |
| 124 | GILA RIVER AT GILLISPIE DAM         | ARIZONA    | 2 | 1513.00 |
| 125 | LANDMAYN DAM                        | NEVADA     | 1 | 1483.00 |
| 126 | COLORADO RIVER BELOW PARKER DAM     | ARIZONA    | 1 | 1461.00 |
| 127 | COLONADO R. @ TUBA                  | ARIZONA    | 1 | 1399.00 |
| 128 | KANULOI HARBOR                      | HAWAII     | 2 | 1292.00 |
| 129 | PEARL HARBOR R. LOCK                | HAWAII     | 1 | 1250.00 |
| 130 | ALA WAI CANAL                       | HAWAII     | 1 | 1250.00 |
| 131 | R. FORK OHIVER RIVER @ ONTHER       | NEVADA     | 1 | 1250.00 |
| 132 | CANSON R. @ NEW RAPINE              | NEVADA     | 2 | 1209.00 |
| 133 | S. FORK TOLE AT SEATTLE D.M. INTAKE | WASHINGTON | 2 | 1200.00 |
| 134 | CEDAR R. @ LANDSLONG (SEATTLE D.M.) | WASHINGTON | 2 | 1200.00 |
| 135 | DUWAMISH R. BELOW BENTON STP (RM 9) | WASHINGTON | 2 | 1200.00 |
| 136 | DUWAMISH RIVER BEAR REBT (RM 10.30) | WASHINGTON | 2 | 1200.00 |
| 137 | TEQUEEN RIVER AT TAPPO              | CALIFORNIA | 2 | 1185.00 |
| 138 | LAKE TAHOE AT SAND HARBOR           | NEVADA     | 2 | 1114.50 |
| 139 | SEDIMENT @ ADJIR WATER INTAKE       | OREGON     | 1 | 1000.00 |
| 140 | BREYTON CR. @BI BL TERNONIX STP     | CALIFORNIA | 1 | 1000.00 |
| 141 | TOWER CHEMICAL CO AREA HAZARDOUS WA | FLORIDA    | 1 | 1000.00 |
| 142 | TOWER CHEMICAL CO AREA HAZARDOUS WA | FLORIDA    | 1 | 1000.00 |
| 143 | TOWER CHEMICAL CO AREA HAZARDOUS WA | FLORIDA    | 1 | 1000.00 |
| 144 | PENSACOLA HAZARDOUS WASTE SITE BLUL | FLORIDA    | 1 | 1000.00 |
| 145 | PENSACOLA HAZARDOUS WASTE SITE DEUL | FLORIDA    | 1 | 1000.00 |
| 146 | MEMPHIS AREA HAZARDOUS WASTE SITE I | TENNESSEE  | 1 | 1000.00 |
| 147 | ROOSEVELT LAKE SALT B. ARM          | ARIZONA    | 2 | 874.65  |
| 148 | LYNN LAKE                           | ARIZONA    | 1 | 786.10  |
| 149 | MOELLUNNE R. AT HOODRIDGE           | CALIFORNIA | 1 | 733.10  |
| 150 | BUCOLTE CANAL @ LITCHFIELD          | ARIZONA    | 1 | 725.00  |
| 151 | DEBUT WAT REGULATOR CSD             | WASHINGTON | 1 | 709.00  |
| 152 | TUOLUMNE RIVER AT TUOLUMNE CITY     | CALIFORNIA | 1 | 693.40  |
| 153 | PATAGONIA LAKE                      | ARIZONA    | 1 | 651.00  |
| 154 | ALAMO R. @ CALIPATRIA               | CALIFORNIA | 1 | 639.30  |
| 155 | SAN FRANCISCO R. AT CLIFTON         | ARIZONA    | 1 | 636.90  |
| 156 | CALCASIEU R. AT ROSS LAKE           | LOUISIANA  | 1 | 500.00  |
| 157 | BECHES R. @ SHUT RD OF PONT ALTHUN  | TEXAS      | 2 | 500.00  |
| 158 | OUACHITA R-CARDEN WATER SUPPLY      | ARKANSAS   | 1 | 500.00  |
| 159 | RIO GRANDE RIVER AT ISLETA DIVENSIO | NEW MEXICO | 2 | 500.00  |
| 160 | 1-90 FREEWAY DRAIN --- LAKE WASHING | WASHINGTON | 1 | 469.00  |
| 161 | ANTHUR. HILL (500)                  | NEW YORK   | 1 | 450.00  |
| 162 | LEISO WATER INTAKE (CONLITZ R)      | WASHINGTON | 1 | 400.00  |
| 163 | KALANA WATER INTAKE (KALANA R)      | WASHINGTON | 1 | 400.00  |
| 164 | WOODLAND WATER INTAKE (LEWIS R)     | WASHINGTON | 1 | 400.00  |
| 165 | SHOUMISH RIVER AT SHUMONISH         | WASHINGTON | 1 | 400.00  |
| 166 | POTALLUP RIVER AT POTALLUP          | WASHINGTON | 1 | 400.00  |
| 167 | VASHON ISLAND : WELL 01 (N1)        | WASHINGTON | 1 | 400.00  |
| 168 | VASHON ISLAND : WELL 02 (S1)        | WASHINGTON | 1 | 400.00  |

TABLE A-11. (Continued)

| Obs | LOC                                 | STATE        | N | MEAN    |
|-----|-------------------------------------|--------------|---|---------|
| 169 | UNION R & HUNTERDA HUN WATER INTAK  | WASHINGTON   | 1 | 400.000 |
| 170 | SARPAHISH RIVER AT WOODINVILLE      | WASHINGTON   | 1 | 400.000 |
| 171 | CHINHALIS R NR CENTRALIA            | WASHINGTON   | 1 | 400.000 |
| 172 | BF DEWAUKUM R & CENTRALIA INTAKE    | WASHINGTON   | 1 | 400.000 |
| 173 |                                     | TENNESSEE    | 1 | 226.000 |
| 174 | AT GAGING STATION                   | GEORGIA      | 1 | 200.000 |
| 175 |                                     | TENNESSEE    | 1 | 200.000 |
| 176 | WILSON ROAD BRIDGE                  | TENNESSEE    | 1 | 200.000 |
| 177 | TRIBUTARY TO CHATTANOOGA CREEK 2.2  | TENNESSEE    | 1 | 200.000 |
| 178 | POND NEAR TENNESSEE-GEORGIA STATE L | TENNESSEE    | 1 | 200.000 |
| 179 | TRIBUTARY TO CHATTANOOGA CREEK 4.45 | TENNESSEE    | 1 | 200.000 |
| 180 | BOULDER CREEK BELOW MULHOLLAND WASH | ARIZONA      | 1 | 190.800 |
| 181 | 7.4MI EAST OF SANDY HOOK ST PK      | NEW JERSEY   | 1 | 195.000 |
| 182 | ROADSIDE STREET CSO                 | WASHINGTON   | 2 | 191.650 |
| 183 | RAY WATER INTAKE AT DAVENPONT       | IOWA         | 3 | 141.900 |
| 184 | IOWA RIVER AT HANSHALLTOWN NTP      | IOWA         | 2 | 131.000 |
| 185 | LITTLE SIOUX R UPST OF SPENCER      | IOWA         | 1 | 125.000 |
| 186 | LITTLE SIOUX R AT LINN GROVE        | IOWA         | 1 | 125.000 |
| 187 | IOWA RIVER DOWNST OF HANSHALLTOWN   | IOWA         | 2 | 122.900 |
| 188 | DES MOINES R AT EUCLID AVE BR       | IOWA         | 4 | 113.000 |
| 189 | 0.6MI EAST OF SANDY HOOK ST PK      | NEW JERSEY   | 1 | 119.000 |
| 190 | SHELLHOCK R. UPST OF MOUTHLOOD      | IOWA         | 2 | 100.500 |
| 191 | CLAY CREEK AT ROUTE 104             | CALIFORNIA   | 1 | 100.000 |
| 192 | ARKANSAS R NEAR DERRY KANSAS        | KANSAS       | 1 | 100.000 |
| 193 | ARKANSAS RIVER ABI                  | KANSAS       | 1 | 100.000 |
| 194 | COCKSIN CREEK AT MOORE ST S         | KANSAS       | 1 | 100.000 |
| 195 | DOUGSTINLAB SIDE HWY 200 BR         | IOWA         | 3 | 97.000  |
| 196 | JOHN P. FAZIO LANDFILL, BELLMANA R. | NEW JERSEY   | 1 | 81.000  |
| 197 | DUNAHISH RIVER S. OF HANNUK AVENUE  | WASHINGTON   | 1 | 77.500  |
| 198 | KCDH-BAY WATER SUPPLY NO 8          | KANSAS       | 1 | 76.000  |
| 199 | NO WATER CONRANT WATER SUPPLY       | MISSOURI     | 1 | 76.000  |
| 200 | PRINCETON DISPOSAL - SOUTH BRUNSWIC | NEW JERSEY   | 2 | 71.500  |
| 201 | BANFORD STREET CSO                  | WASHINGTON   | 1 | 65.290  |
| 202 | T E MARON STP AT MEMPHIS TN TO MISS | TENNESSEE    | 1 | 60.000  |
| 203 | WASTE DISPOSAL INC. AIRPORT, NJ     | NEW JERSEY   | 1 | 57.000  |
| 204 | MADISON PARK CSO                    | WASHINGTON   | 1 | 40.500  |
| 205 | 6 MILES EAST OF SANDY HOOK ST PK    | NEW JERSEY   | 1 | 37.000  |
| 206 | SCHNECKTADT CHEMICAL COMPOHATION NO | NEW YORK     | 1 | 34.000  |
| 207 | STORM DRAIN 7 --- LAKE WASHINGTON   | WASHINGTON   | 1 | 29.890  |
| 208 | ELLIOT BAY NEAR CENTER              | WASHINGTON   | 1 | 21.650  |
| 209 | EAST BRANCH RED CLAY CREEK NEAR JLV | PENNSYLVANIA | 1 | 20.000  |

TABLE A-12. FRESHWATER REGIONS CONTAINING ELEVATED SEDIMENT LEVELS OF PHENANTHRENE.  
CONCENTRATIONS ARE IN  $\mu\text{g/kg}$ .

| Obs | LOC                                  | STATE          | N | MLPA   |
|-----|--------------------------------------|----------------|---|--------|
| 1   | T I MAION STP AT MEMPHIS TN TO MISS  | MISSISSIPPI    | 1 | 100000 |
| 2   | HILLINGTON STP AT HILLINGTON TN TO   | TENNESSEE      | 1 | 80000  |
| 3   | HOOVER HAMILL ROAD CULVERT           | TENNESSEE      | 1 | 33000  |
| 4   | TOLLE CHEMICAL CO AREA HAZARDOUS WA  | FLORIDA        | 1 | 10000  |
| 5   | TOLLE CHEMICAL CO AREA HAZARDOUS WA  | FLORIDA        | 1 | 30000  |
| 6   | MEMPHIS TERN AT HOLLWOOD RD AREA S   | TENNESSEE      | 1 | 20000  |
| 7   | MEMPHIS TERN AT HOLLWOOD RD AREA S   | TENNESSEE      | 1 | 20000  |
| 8   | TRIBUTARY TO CHATTANOUGA CREEK 0.1   | TENNESSEE      | 1 | 17000  |
| 9   | HAMILL ROAD BRIDGE                   | TENNESSEE      | 1 | 17000  |
| 10  | RAILROAD BRIDGE                      | TENNESSEE      | 1 | 15000  |
| 11  | TOLLE CHEMICAL CO AREA HAZARDOUS WA  | FLORIDA        | 1 | 10000  |
| 12  | MEMPHIS TERN AT FRATSEN POND AREA S  | TENNESSEE      | 1 | 10000  |
| 13  | MEMPHIS TERN AT FRATSEN POND AREA S  | TENNESSEE      | 1 | 10000  |
| 14  | MEMPHIS TERN AT HOLLWOOD RD AREA S   | TENNESSEE      | 1 | 7400   |
| 15  | ARTHUR KILL (50%)                    | NEW YORK       | 1 | 6400   |
| 16  | EAST 30TH STREET BRIDGE              | TENNESSEE      | 2 | 6350   |
| 17  | GORDON SERVICES CO AT GORDON GA TO   | GEORGIA        | 1 | 5000   |
| 18  | GORDON SERVICES CO AT GORDON GA TO   | GEORGIA        | 1 | 5000   |
| 19  | GORDON SERVICES CO AT GORDON GA TO   | GEORGIA        | 1 | 5000   |
| 20  | GORDON SERVICES CO AT GORDON GA TO   | GEORGIA        | 1 | 5000   |
| 21  | GORDON SERVICES CO AT GORDON GA TO   | GEORGIA        | 1 | 5000   |
| 22  | GORDON SERVICES CO AT GORDON GA TO   | GEORGIA        | 1 | 5000   |
| 23  | SMITHS DUMP SITE AT HUNTERS RT TO HL | KENTUCKY       | 1 | 5000   |
| 24  | TENNESSEE EXPOSURE RISK SURVEY       | NORTH CAROLINA | 1 | 5000   |
| 25  | PIGION RIVER EXPOSURE RISK STUDY     | NORTH CAROLINA | 1 | 5000   |
| 26  | CHRYSLER INC WWSI AT ASHEVILLE N     | NORTH CAROLINA | 1 | 5000   |
| 27  | CHRYSLER INC WWSI AT ASHEVILLE N     | NORTH CAROLINA | 1 | 5000   |
| 28  | OLD HWY 27 DUMP AT MT HOLLY NC       | NORTH CAROLINA | 1 | 5000   |
| 29  | OLD HWY 27 DUMP AT MT HOLLY NC       | NORTH CAROLINA | 1 | 5000   |
| 30  | JACO HUGHES PROPERTY AT BELMONT NC   | NORTH CAROLINA | 1 | 5000   |
| 31  | INDUSTRIAL CHEM CO PLANT SITE NN NO  | SOUTH CAROLINA | 1 | 5000   |
| 32  | INDUSTRIAL CHEM CO AREA NEAR ROCK N  | SOUTH CAROLINA | 1 | 5000   |
| 33  | INDUSTRIAL CHEM CO PLANT SITE NN NO  | SOUTH CAROLINA | 1 | 5000   |
| 34  | INDUSTRIAL CHEM CO LANDFILL NN ROCK  | SOUTH CAROLINA | 1 | 5000   |
| 35  | MEMPHIS TERN AT FRATSEN POND AREA S  | TENNESSEE      | 2 | 5000   |
| 36  | MEMPHIS TERN AT FRATSEN POND AREA S  | TENNESSEE      | 2 | 5000   |
| 37  | MEMPHIS TERN AT FRATSEN POND AREA S  | TENNESSEE      | 2 | 5000   |
| 38  | MEMPHIS TERN AT FRATSEN POND AREA S  | TENNESSEE      | 2 | 5000   |
| 39  | MEMPHIS TERN AT FRATSEN POND AREA S  | TENNESSEE      | 2 | 5000   |
| 40  | MEMPHIS TERN AT FRATSEN POND AREA S  | TENNESSEE      | 2 | 5000   |
| 41  | MEMPHIS TERN AT FRATSEN POND AREA S  | TENNESSEE      | 1 | 5000   |
| 42  | MEMPHIS TERN AT FRATSEN POND AREA S  | TENNESSEE      | 2 | 5000   |
| 43  | MEMPHIS TERN AT FRATSEN POND AREA S  | TENNESSEE      | 1 | 5000   |
| 44  | MEMPHIS TERN AT FRATSEN POND AREA S  | TENNESSEE      | 2 | 5000   |
| 45  | MEMPHIS TERN AT FRATSEN POND AREA S  | TENNESSEE      | 2 | 5000   |
| 46  | TENNESSEE EXPOSURE RISK SURVEY AT N  | TENNESSEE      | 1 | 5000   |
| 47  | TENNESSEE EXPOSURE RISK SURVEY AT N  | TENNESSEE      | 1 | 5000   |
| 48  | TENNESSEE EXPOSURE RISK SURVEY AT J  | TENNESSEE      | 1 | 5000   |
| 49  | MEMPHIS AREA HAZARDOUS WASTE SITE 1  | TENNESSEE      | 1 | 5000   |
| 50  | MEMPHIS AREA HAZARDOUS WASTE SITE 1  | TENNESSEE      | 1 | 5000   |
| 51  | MEMPHIS AREA HAZARDOUS WASTE SITE 1  | TENNESSEE      | 1 | 5000   |
| 52  | TRIBUTARY TO CHATTANOUGA CREEK 2.2   | TENNESSEE      | 1 | 4800   |
| 53  | MEMPHIS AREA HAZARDOUS WASTE SITE 1  | TENNESSEE      | 1 | 1000   |
| 54  | MAVILIMILI HAY                       | HAWAII         | 1 | 2717   |
| 55  | ARTHUR KILL (50%)                    | NEW YORK       | 1 | 2700   |
| 56  | ROCK SLOUGH AT DELTA RD BRIDGE       | CALIFORNIA     | 1 | 2500   |

TABLE A-12. (Continued)

| QDS | LOC                                   | STATE          | N | RIAL    |
|-----|---------------------------------------|----------------|---|---------|
| 57  | SAN JOAQUIN R AT ANTILOH HAMP         | CALIFORNIA     | 1 | 2500.00 |
| 58  | DEL RIVER AT HIO DELL, DAVIS STREET   | CALIFORNIA     | 1 | 2500.00 |
| 59  | LAS VEGAS WASH PI NORTH SHORE ROAD    | NEVADA         | 1 | 2500.00 |
| 60  | CALLVILLE RAY LAKE ROAD               | NEVADA         | 1 | 2500.00 |
| 61  | LAS VEGAS RAY LAKE ROAD               | NEVADA         | 1 | 2500.00 |
| 62  | SAN JOAQUIN RIVER AT STANISLAUS CO.   | CALIFORNIA     | 1 | 2500.00 |
| 63  | LAKE MENDOCINO AT HWY 20 BRIDGE       | CALIFORNIA     | 1 | 2500.00 |
| 64  | RUSSIAN RIVER AT UNION THEATRE PL     | CALIFORNIA     | 1 | 2500.00 |
| 65  | RUSSIAN RIVER - MONTE RIO             | CALIFORNIA     | 1 | 2500.00 |
| 66  | MAU RIVER AT ESSEX LAKE               | CALIFORNIA     | 1 | 2500.00 |
| 67  | SABIA CANYON BELOW MCGEE ROAD WASTE W | ARIZONA        | 1 | 2500.00 |
| 68  | TOPAZ LAKE                            | NEVADA         | 1 | 2500.00 |
| 69  | DENNI WAY REGULATION CSO              | WASHINGTON     | 1 | 2469.00 |
| 70  | MILG BAY                              | HAWAII         | 2 | 2138.00 |
| 71  | HOUSTON SHIP CHANNEL AT THE TURNING   | TEXAS          | 1 | 2000.00 |
| 72  | SPOKANE R 0.5 MI AB SPOKANE STP       | WASHINGTON     | 2 | 2000.00 |
| 73  | SPOKANE R AT SPOKANE STP OUTFALL      | WASHINGTON     | 2 | 2000.00 |
| 74  | SPOKANE R 0.5 MI SPOKANE STP          | WASHINGTON     | 2 | 2000.00 |
| 75  | SPOKANE R 1.5 MI BL SPOKANE STP       | WASHINGTON     | 2 | 2000.00 |
| 76  | SPOKANE R AT PUGI FALLS ID            | IDAHO          | 1 | 2000.00 |
| 77  | SPOKANE R .5 MI ABV COLUM D'ALLEN S   | IDAHO          | 1 | 2000.00 |
| 78  | SPOKANE R @ HW 95 .3 MI AB C D'ALEN   | IDAHO          | 1 | 2000.00 |
| 79  | SPOKANE RIVER 1.5 MI. BELOW COLUM D   | IDAHO          | 1 | 2000.00 |
| 80  | YAKIMA RIVER @ HWY 224 NW. HIGHLAND   | WASHINGTON     | 1 | 2000.00 |
| 81  | WACHES R @ YAKIMA MUN. WTR INTAKE (   | WASHINGTON     | 1 | 2000.00 |
| 82  | WACHES R @ MOUTH @ TWIN BRIDGES NW    | WASHINGTON     | 1 | 2000.00 |
| 83  | COLUMBIA R @ PASCO WTR INTAKE (RHS)   | WASHINGTON     | 1 | 2000.00 |
| 84  | PORTRUF R 1/4 MI ABV POCATELLO STP    | IDAHO          | 1 | 2000.00 |
| 85  | PORTRUF R 1/4 MI BELOW POCATELLO S    | IDAHO          | 1 | 2000.00 |
| 86  | PORTRUF R 3/4 MI BELOW POCATELLO S    | IDAHO          | 1 | 2000.00 |
| 87  | BATISE SPRINGS 3/4 MI BELOW PUMPING   | WASHINGTON     | 1 | 2000.00 |
| 88  | HIGHLAND WTR INTAKE (COLUMBIA R)      | WASHINGTON     | 1 | 2000.00 |
| 89  | SNOHOMISH RIVER AT STATE HIGHWAY 10   | WASHINGTON     | 1 | 2000.00 |
| 90  | BIG CULCENE RIVER AT MONT TOWNSEND    | WASHINGTON     | 1 | 2000.00 |
| 91  | MARCHESTER, WA. WATER SUPPLY          | WASHINGTON     | 1 | 2000.00 |
| 92  | HORSE CREEK AT U.S. 101 BRIDGE        | WASHINGTON     | 1 | 2000.00 |
| 93  | CLEAR LAKE @ DELTA, OREGON WATER I    | OREGON         | 1 | 2000.00 |
| 94  | EEL LAKE @ LAKESIDE, OREGON WATER I   | OREGON         | 1 | 2000.00 |
| 95  | CLEAR LAKE @ REEDSPORT, OREGON WATER  | OREGON         | 1 | 2000.00 |
| 96  | HINA CR. HISHVOJIN @ COQUILLE WATER   | OREGON         | 1 | 2000.00 |
| 97  | MOOREVILLE AREA HAZARDOUS WASTE SI    | NORTH CAROLINA | 1 | 2000.00 |
| 98  | ALAMO LAKE                            | ARIZONA        | 1 | 1971.00 |
| 99  | HUMFOLT RIVER @ INLAY                 | TENNESSEE      | 1 | 1857.00 |
| 100 | YUMA RIVER NEAR MARYSVILLE            | NEVADA         | 1 | 1830.00 |
| 101 | AMERICAN R. AT LINANTO ST.            | CALIFORNIA     | 1 | 1750.00 |
| 102 | WUPALU CR AT ARCHAIA RIVER            | CALIFORNIA     | 1 | 1726.00 |
| 103 | SALINAS RIVER AT GONZALES             | CALIFORNIA     | 1 | 1698.00 |
| 104 | MOULDER CREEK AT MOUTH                | ARIZONA        | 1 | 1698.00 |
| 105 | CARSON R. @ RIVERVIEW                 | NEVADA         | 1 | 1664.00 |
| 106 | UMEDS R ML TIGERHIA RPS.              | CALIFORNIA     | 1 | 1640.00 |
| 107 | SANTA ANA RIVER FROM PRAIRIE DAN      | CALIFORNIA     | 1 | 1631.00 |
| 108 | FRUSTRER RIVER AT LUCANODU            | NEVADA         | 2 | 1617.50 |
| 109 | MOULDER CREEK ABOVE WILDER CREEK      | ARIZONA        | 1 | 1544.00 |
| 110 | AMERICAN R. ABOVE SUNSHINE LN         | CALIFORNIA     | 1 | 1540.00 |
| 111 | AMERICAN R. AT WAITS AVE.             | CALIFORNIA     | 1 | 1540.00 |

TABLE A-12. (Continued)

| QHS | LOC                                  | STATE       | N | MEAN    |
|-----|--------------------------------------|-------------|---|---------|
| 113 | COPIER CREEK AB FOUNDER CREEK        | ARIZONA     | 1 | 1551.00 |
| 114 | GILA RIVER AT GILLESPIE DAM          | ARIZONA     | 2 | 1513.00 |
| 115 | ANTHONY RILL (520)                   | NEW YORK    | 1 | 1500.00 |
| 116 | LAHONTAN DAM                         | NEVADA      | 1 | 1483.00 |
| 117 | COLORADO RIVER BELOW LAHONTAN DAM    | ARIZONA     | 1 | 1461.00 |
| 118 |                                      | TENNESSEE   | 1 | 1400.00 |
| 119 | COLORADO R. @ YUMA                   | ARIZONA     | 1 | 1399.00 |
| 120 | KAHULUI HARBOR                       | HAWAII      | 2 | 1292.00 |
| 121 | PEARL HARBOR E. LOCK                 | HAWAII      | 1 | 1250.00 |
| 122 | ALA WAI CANAL                        | HAWAII      | 1 | 1250.00 |
| 123 | E. YONK ON THE RIVER @ OMYRTE        | NEVADA      | 1 | 1250.00 |
| 124 | CANSON R @ NEW BRIDGE                | NEVADA      | 2 | 1209.00 |
| 125 | S. JOHN TOLT AT SEATTLE D.W. INTAKE  | WASHINGTON  | 2 | 1200.00 |
| 126 | CEDAH R. NR LANDSHUNG (SEATTLE D.W.) | WASHINGTON  | 2 | 1200.00 |
| 127 | DUMAMISH R. BELOW NEWTON STP (NR 9)  | WASHINGTON  | 2 | 1200.00 |
| 128 | DUMAMISH RIVER NEAR RPT (NR 10.30)   | WASHINGTON  | 2 | 1200.00 |
| 129 | THUCKEE RIVER AT TAND                | CALIFORNIA  | 3 | 1185.00 |
| 130 | LAKE TAHOE AT SAND HARBOR            | NEVADA      | 2 | 1114.50 |
| 131 | 8.6MI EAST OF SANDY HOOK ST PA       | NEW JERSEY  | 1 | 1100.00 |
| 132 | 7.4MI EAST OF SANDY HOOK ST PA       | NEW JERSEY  | 1 | 1050.00 |
| 133 | ROADSIDE STREET CSO                  | WASHINGTON  | 1 | 1001.00 |
| 134 | SEWINTENT NR ADAM WATER INTAKE       | OREGON      | 1 | 1000.00 |
| 135 | TOMER CHEMICAL CO AREA HAZARDOUS WA  | FLORIDA     | 1 | 1000.00 |
| 136 | TOMER CHEMICAL CO AREA HAZARDOUS WA  | FLORIDA     | 1 | 1000.00 |
| 137 | TOMER CHEMICAL CO AREA HAZARDOUS WA  | FLORIDA     | 1 | 1000.00 |
| 138 | PENSACOLA HAZARDOUS WASTE SITE BUL   | FLORIDA     | 1 | 1000.00 |
| 139 | PENSACOLA HAZARDOUS WASTE SITE BUL   | FLORIDA     | 1 | 1000.00 |
| 140 | MEMPHIS AREA HAZARDOUS WASTE SITE 1  | TENNESSEE   | 1 | 1000.00 |
| 141 | I-90 FREEWAY DRAIN --- LAKE WASHING  | WASHINGTON  | 1 | 894.00  |
| 142 | HOUSEVELT LAKE SALT W. ARM           | ARIZONA     | 2 | 874.65  |
| 143 | QUEENADA FRONTENA 600 M DOWNSTREAM   | PUERTO RICO | 1 | 820.00  |
| 144 | LYNE LAKE                            | ARIZONA     | 1 | 786.10  |
| 145 | MOELLUM R AT WOODBRIDGE              | CALIFORNIA  | 1 | 733.10  |
| 146 | MUCKEY CANAL @ LITCHFIELD            | ARIZONA     | 1 | 725.00  |
| 147 | TUOLUMNE RIVER AT TUOLUMNE CITY      | CALIFORNIA  | 1 | 693.40  |
| 148 | PATAGONIA LAKE                       | ARIZONA     | 1 | 651.00  |
| 149 | WASTE DISPOSAL INC. KEYPORT, NJ      | NEW JERSEY  | 1 | 640.00  |
| 150 | ALAMO R NR CALIFORNIA                | CALIFORNIA  | 1 | 639.10  |
| 151 | SAN FRANCISCO R. AT CLIFTON          | ARIZONA     | 1 | 636.90  |
| 152 | ASHTABULA HARBOR                     | OHIO        | 4 | 572.50  |
| 153 | JOHN P. FAZIO LANDFILL, HELLMAN N.   | NEW JERSEY  | 2 | 500.00  |
| 154 | CAICASIU R AT MOUS LAKE              | LOUISIANA   | 1 | 500.00  |
| 155 | MECHES R SHOT NO OF PORT ANTHON      | TEXAS       | 2 | 500.00  |
| 156 | TRIBUTARY TO CHATTANOOGA CREEK 4.45  | TENNESSEE   | 1 | 490.00  |
| 157 | DES MOINES R AT EUCLID AVE BR        | ICNA        | 3 | 486.67  |
| 158 | ACON-HAN WATER SUPPLY NO R           | KANSAS      | 1 | 480.00  |
| 159 | HU WATER COMPANY WATER SUPPLY        | MISSOURI    | 1 | 480.00  |
| 160 | DOWNSTREAM SIDE HWY 280 BR           | ICNA        | 2 | 470.00  |
| 161 | ANTHONY RILL (504)                   | NEW YORK    | 1 | 470.00  |
| 162 | 2.5MI SP OF ARTHUR HORN              | NEW JERSEY  | 1 | 460.00  |
| 163 | HAN WATER INTAKE AT DAVENPORT        | ICNA        | 2 | 457.50  |
| 164 | HACK'S SANITARY LANDFILL - DEPIFOND  | NEW JERSEY  | 3 | 400.00  |
| 165 | PELISO WATER INTAKE (CONLIT: N)      | WASHINGTON  | 1 | 400.00  |
| 166 | KALAMA WATER INTAKE (KALAMA R)       | WASHINGTON  | 1 | 400.00  |
| 167 | WOODLAND WATER INTAKE (LEWIS R)      | WASHINGTON  | 1 | 400.00  |
| 168 | SNOHOMISH RIVER AT SNOHOMISH         | WASHINGTON  | 1 | 400.00  |

TABLE A-12. (Continued)

| ONS | LOC                                   | STATE        | N | CEAN    |
|-----|---------------------------------------|--------------|---|---------|
| 169 | POYAILUP RIVER AT POYAILUP            | WASHINGTON   | 1 | 400.000 |
| 170 | VASHON ISLAND : WLL #1 (W)            | WASHINGTON   | 1 | 400.000 |
| 171 | VASHON ISLAND : WLL #2 (S)            | WASHINGTON   | 1 | 400.000 |
| 172 | UNION R @ HINTERLAND RUN WATER INTAK  | WASHINGTON   | 1 | 400.000 |
| 173 | SARAWASH RIVER AT MOULDERVILLE        | WASHINGTON   | 1 | 400.000 |
| 174 | CENTRALIS R NR CENTRALIA              | WASHINGTON   | 1 | 400.000 |
| 175 | NE KEMANURUN R @ CENTRALIA INTAKE     | WASHINGTON   | 1 | 400.000 |
| 176 | PRINCETON DISPOSAL - SOUTH BRUNSWIC   | NEW JERSEY   | 2 | 385.000 |
| 177 | MADISON PARK CSU                      | WASHINGTON   | 1 | 381.600 |
| 178 | ADJACENT SOUTH SIDE OF RIVER          | NEW JERSEY   | 1 | 370.000 |
| 179 | KAPAPU R NR BAKKINGTON NJ             | NEW JERSEY   | 1 | 370.000 |
| 180 | DEAN SWAMP BR NR OAKLAND NJ           | NEW JERSEY   | 1 | 370.000 |
| 181 | DUBLINISH RIVER S. OF HANCOCK AVENUE  | WASHINGTON   | 1 | 330.000 |
| 182 | EAST BRANCH RED CLAY CRYER NEAR FIV   | PENNSYLVANIA | 1 | 310.000 |
| 183 | SHELLHOCK R. UPST OF MORTHOOD         | ICWA         | 2 | 302.500 |
| 184 | HANFORD STREET CSU                    | WASHINGTON   | 1 | 294.200 |
| 185 | CLINTON R AT 1-94 BRIDGE; HARRISON    | MICHIGAN     | 1 | 290.000 |
| 186 | 12MI EAST OF SANDY HOOK ST PR         | NEW JERSEY   | 1 | 270.000 |
| 187 | 9.5MI SOUTH OF ATLANTIC BEACH         | NEW YORK     | 1 | 260.000 |
| 188 | QUEBRADA FRONTERA 1200 N DOWNSTREAM   | PUERTO RICO  | 1 | 240.000 |
| 189 | QUEBRADA FRONTERA 2 N UPSTREAM FROM   | PUERTO RICO  | 1 | 220.000 |
| 190 | CLINTON R AT CHOLKEN ST NH; CITY OF   | MICHIGAN     | 1 | 220.000 |
| 191 | SCHENECTADY CHEMICAL CORPORATION RD   | NEW YORK     | 2 | 205.000 |
| 192 | QUEBRADA FRONTERA 1050 N DOWNSTREAM   | PUERTO RICO  | 1 | 200.000 |
| 193 | 6 MILES EAST OF SANDY HOOK ST PR      | NEW JERSEY   | 1 | 200.000 |
| 194 | BEAVENTON CR AB TERTHONIA 1FF         | CHICAGO      | 1 | 200.000 |
| 195 | ARKANSAS R NEAR DENNY KANSAS          | KANSAS       | 1 | 200.000 |
| 196 | ARKANSAS RIVER ARI                    | KANSAS       | 1 | 200.000 |
| 197 | COLUMBIAN CREEK AT MOORE ST S         | KANSAS       | 1 | 200.000 |
| 198 | LITTLE ARKANSAS R AT RIRS ST          | KANSAS       | 1 | 200.000 |
| 199 | PURDION R AT PACANABLA LAKE NJ        | NEW JERSEY   | 1 | 200.000 |
| 200 | AT GAGING STATION                     | GEORGIA      | 1 | 200.000 |
| 201 | WILSON ROAD BRIDGE                    | MISSISSIPPI  | 1 | 200.000 |
| 202 | POND NEAR TENNESSEE-GEORGIA STATE L   | TENNESSEE    | 1 | 200.000 |
| 203 | JUNA RIVER AT MARSHALLTOWN ATP        | UTAH         | 2 | 199.500 |
| 204 | BOUIDEN CREEK BELOW MARSHALLTOWN WASH | ARIZONA      | 1 | 190.800 |
| 205 | JUNA RIVER DOWNST OF MARSHALLTOWN     | UTAH         | 2 | 181.500 |
| 206 | LAKI WASHINGTON NEAR CENTER           | WASHINGTON   | 1 | 141.300 |
| 207 | LITTLE SAOUR R UPST OF SPENCER        | UTAH         | 1 | 125.000 |

TABLE A-13. FRESHWATER REGIONS CONTAINING ELEVATED SEDIMENT LEVELS OF DIETHYLPHTHALATE.  
CONCENTRATIONS ARE IN  $\mu\text{g/kg}$ .

| NO. | LOC                                  | STATE          | N | REAL  |
|-----|--------------------------------------|----------------|---|-------|
| 1   | T I NAUON STP AT MEMPHIS TN TO MISS  | TENNESSEE      | 1 | 30000 |
| 2   | HILLINGTON STP AT HILLINGTON TN TO   | TENNESSEE      | 1 | 60000 |
| 3   | IOVIN CHEMICAL CO AREA HAZARDOUS WA  | FLORIDA        | 1 | 30000 |
| 4   | TORIN CHEMICAL CO AREA HAZARDOUS WA  | FLORIDA        | 1 | 30000 |
| 5   | MEMPHIS TENN AT HOLLYWOOD ID AREA S  | TENNESSEE      | 1 | 30000 |
| 6   | MEMPHIS TENN AT HOLLYWOOD ID AREA S  | TENNESSEE      | 1 | 20000 |
| 7   | SUISUN BAY S. OF MIDDLE GROUND       | CALIFORNIA     | 1 | 10000 |
| 8   | DEL TORA SLOUGH                      | CALIFORNIA     | 1 | 10000 |
| 9   | S.F. AIRPORT INDUSTRIAL PLANT        | CALIFORNIA     | 1 | 10000 |
| 10  | TOWEN CHEMICAL CO AREA HAZARDOUS WA  | FLORIDA        | 1 | 10000 |
| 11  | MEMPHIS TENN AT FRATSEH POND AREA S  | TENNESSEE      | 1 | 10000 |
| 12  | MEMPHIS TENN AT FRATSEH POND AREA S  | TENNESSEE      | 1 | 10000 |
| 13  | TAMPA FL AT STONEY MINE HAZARDOUS W  | FLORIDA        | 1 | 5000  |
| 14  | TAMPA FL AT STONEY MINE HAZARDOUS W  | FLORIDA        | 1 | 5000  |
| 15  | GORDON SERVICES CO AT GORDON GA TO   | GEORGIA        | 1 | 5000  |
| 16  | GORDON SERVICES CO AT GORDON GA TO   | GEORGIA        | 1 | 5000  |
| 17  | GORDON SERVICES CO AT GORDON GA TO   | GEORGIA        | 1 | 5000  |
| 18  | GORDON SERVICES CO AT GORDON GA TO   | GEORGIA        | 1 | 5000  |
| 19  | GORDON SERVICES CO AT GORDON GA TO   | GEORGIA        | 1 | 5000  |
| 20  | GORDON SERVICES CO AT GORDON GA TO   | GEORGIA        | 1 | 5000  |
| 21  | SHITTS DUMP SITE AT BRUOKS KY TO HL  | KENTUCKY       | 1 | 5000  |
| 22  | EAGLE LAKE NEAR VICKSBURG MS         | MISSISSIPPI    | 1 | 5000  |
| 23  | TENNESSEE EXPOSURE RISK SURVEY       | NORTH CAROLINA | 1 | 5000  |
| 24  | PIGIRON BIVIN EXPOSURE RISK SURVEY   | NORTH CAROLINA | 1 | 5000  |
| 25  | CHEMTRONICS INC HWSI AT ASHEVILLE N  | NORTH CAROLINA | 1 | 5000  |
| 26  | CHEMTRONICS INC HWSI AT ASHEVILLE N  | NORTH CAROLINA | 1 | 5000  |
| 27  | ACADEMY DRUM HWS AT CHARLOTTE NC     | NORTH CAROLINA | 1 | 5000  |
| 28  | ACADEMY DRUM HWS AT CHARLOTTE NC     | NORTH CAROLINA | 1 | 5000  |
| 29  | ACADEMY DRUM HWS AT CHARLOTTE NC     | NORTH CAROLINA | 1 | 5000  |
| 30  | ACADEMY DRUM HWS AT CHARLOTTE NC     | NORTH CAROLINA | 1 | 5000  |
| 31  | OLD HWY 27 DUMP AT MT HOLLY NC       | NORTH CAROLINA | 1 | 5000  |
| 32  | OLD HWY 27 DUMP AT MT HOLLY NC       | NORTH CAROLINA | 1 | 5000  |
| 33  | JADCO HUGHIS PROPERTY AT BELMONT NC  | NORTH CAROLINA | 1 | 5000  |
| 34  | INDUSTRIAL CHEM CO PLANT SITE NH NO  | SOUTH CAROLINA | 1 | 5000  |
| 35  | INDUSTRIAL CHEM CO AREA NEAR HOLLY N | SOUTH CAROLINA | 1 | 5000  |
| 36  | INDUSTRIAL CHEM CO PLANT SITE NH NO  | SOUTH CAROLINA | 1 | 5000  |
| 37  | INDUSTRIAL CHEM CO LANDFILL NH NOCA  | SOUTH CAROLINA | 1 | 5000  |
| 38  | ETHYL CORPORATION CHEMICAL DIV AT U  | SOUTH CAROLINA | 1 | 5000  |
| 39  | MEMPHIS TENN AT HOLLYWOOD ID AREA S  | TENNESSEE      | 1 | 5000  |
| 40  | MEMPHIS TENN AT WINSTON DN AREA SAM  | TENNESSEE      | 1 | 5000  |
| 41  | MEMPHIS TENN AT WINSTON DN AREA SAM  | TENNESSEE      | 1 | 5000  |
| 42  | MEMPHIS TENN AT WINSTON DN AREA SAM  | TENNESSEE      | 1 | 5000  |
| 43  | MEMPHIS TENN AT FRATSEH POND AREA S  | TENNESSEE      | 1 | 5000  |
| 44  | MEMPHIS TENN AT FRATSEH POND AREA S  | TENNESSEE      | 1 | 5000  |
| 45  | MEMPHIS TENN AT FRATSEH POND AREA S  | TENNESSEE      | 1 | 5000  |
| 46  | MEMPHIS TENN AT FRATSEH POND AREA S  | TENNESSEE      | 2 | 5000  |
| 47  | MEMPHIS TENN AT FRATSEH POND AREA S  | TENNESSEE      | 2 | 5000  |
| 48  | MEMPHIS TENN AT FRATSEH POND AREA S  | TENNESSEE      | 2 | 5000  |
| 49  | MEMPHIS TENN AT FRATSEH POND AREA S  | TENNESSEE      | 2 | 5000  |
| 50  | MEMPHIS TENN AT FRATSEH POND AREA S  | TENNESSEE      | 2 | 5000  |
| 51  | MEMPHIS TENN AT FRATSEH POND AREA S  | TENNESSEE      | 2 | 5000  |
| 52  | MEMPHIS TENN AT FRATSEH POND AREA S  | TENNESSEE      | 1 | 5000  |
| 53  | MEMPHIS TENN AT FRATSEH POND AREA S  | TENNESSEE      | 2 | 5000  |
| 54  | MEMPHIS TENN AT FRATSEH POND AREA S  | TENNESSEE      | 1 | 5000  |
| 55  | MEMPHIS TENN AT FRATSEH POND AREA S  | TENNESSEE      | 2 | 5000  |
| 56  | TENNESSEE EXPOSURE RISK SURVEY AT N  | TENNESSEE      | 1 | 5000  |

TABLE A-13. (Continued)

| NO. | LOC.                                  | STATE          | N | Q-AM    |
|-----|---------------------------------------|----------------|---|---------|
| 57  | TENNESSEE EXPOSURE HIGH SURVEY AT J   | TENNESSEE      | 1 | 5000.00 |
| 58  | TENNESSEE EXPOSURE HIGH SURVEY AT J   | TENNESSEE      | 1 | 5000.00 |
| 59  | MEMPHIS AREA HAZARDOUS WASTE SITE 1   | TENNESSEE      | 1 | 5000.00 |
| 60  | MEMPHIS AREA HAZARDOUS WASTE SITE 1   | TENNESSEE      | 1 | 5000.00 |
| 61  | MEMPHIS AREA HAZARDOUS WASTE SITE 1   | TENNESSEE      | 1 | 5000.00 |
| 62  | CLAY CREEK AT ROUTE 100               | CALIFORNIA     | 1 | 4000.00 |
| 63  | ROUTE 100 WEST JEFFERSON AVE IN RIV   | MICHIGAN       | 1 | 4000.00 |
| 64  | MEMPHIS AREA HAZARDOUS WASTE SITE 1   | TENNESSEE      | 1 | 5000.00 |
| 65  | NAVILINILI BAY                        | HAWAII         | 1 | 2111.00 |
| 66  | MOCA SLOUGH AT DELTA RD BRIDGE        | CALIFORNIA     | 1 | 2500.00 |
| 67  | SAN JOAQUIN R. AT ANTICUM MARK        | CALIFORNIA     | 1 | 2500.00 |
| 68  | DEL RIVER AT BIG DELL, DAVIS STREET   | CALIFORNIA     | 1 | 2500.00 |
| 69  | LAS VEGAS WASH AT NORTH SHORE ROAD    | NEVADA         | 1 | 2500.00 |
| 70  | CALIVILLI MAY LAKE HEAD               | NEVADA         | 1 | 2500.00 |
| 71  | LAS VEGAS BAY LAKE HEAD               | NEVADA         | 1 | 2500.00 |
| 72  | SAN JOAQUIN RIVER AT STANISLAUS CO.   | CALIFORNIA     | 1 | 2500.00 |
| 73  | LAKE MENDOCINO AT HWY 20 BRIDGE       | CALIFORNIA     | 1 | 2500.00 |
| 74  | RUSSIAN RIVER AT UNION TREATMENT PL   | CALIFORNIA     | 1 | 2500.00 |
| 75  | RUSSIAN RIVER - ROUTE 110             | CALIFORNIA     | 1 | 2500.00 |
| 76  | RED RIVER AT ESSEX LAKE               | CALIFORNIA     | 1 | 2500.00 |
| 77  | SANTA CRUZ BELOW HIGHER ROAD WASTE S  | ARIZONA        | 1 | 2500.00 |
| 78  | TOPAZ LAKE                            | NEVADA         | 1 | 2500.00 |
| 79  | WILCO BAY                             | HAWAII         | 2 | 2111.00 |
| 80  | SPokane R U.S. RI AB SPOKANE STP      | WASHINGTON     | 2 | 2000.00 |
| 81  | SPokane R AT POST FALLS ID            | IDAHO          | 1 | 2000.00 |
| 82  | COLUMBIA R @ PASCO WTP INTAKE (HMSJ)  | WASHINGTON     | 1 | 2000.00 |
| 83  | PONTREUP R 1/4 MI ABV POCATELLO STP   | IDAHO          | 1 | 2000.00 |
| 84  | PONTREUP R 1/4 MI BELOW POCATELLO S   | IDAHO          | 1 | 2000.00 |
| 85  | PONTREUP R 3/4 MI BELOW POCATELLO S   | IDAHO          | 1 | 2000.00 |
| 86  | BATISE SPRINGS 3/4 MI BELOW PUMPING   | IDAHO          | 1 | 2000.00 |
| 87  | HIGHLAND STP INTAKE (COLUMBIA R)      | WASHINGTON     | 1 | 2000.00 |
| 88  | S. FORK TOLT AT SEATTLE D.M. INTAKE   | WASHINGTON     | 1 | 2000.00 |
| 89  | OVANISH RIVER NEAR RENT (HM 18.10)    | WASHINGTON     | 1 | 2000.00 |
| 90  | SKUNK CREEK RIVER AT STATE HIGHWAY 10 | WASHINGTON     | 1 | 2000.00 |
| 91  | HIG QUILLER RIVER AT POIT TOWNSEND    | WASHINGTON     | 1 | 2000.00 |
| 92  | MANCHESTER, WA. WATER SUPPLY          | WASHINGTON     | 1 | 2000.00 |
| 93  | MONSE CREEK AT U.S. 101 BRIDGE        | WASHINGTON     | 1 | 2000.00 |
| 94  | CLARK LAKE @ HELENA, OREGON WATER 1   | OREGON         | 1 | 2000.00 |
| 95  | DEL LAKE @ LAKESIDE, OREGON WATER 1   | OREGON         | 1 | 2000.00 |
| 96  | CLARK LAKE @ HELENA, OREGON WATER 1   | OREGON         | 1 | 2000.00 |
| 97  | HIND CH. HILLSVILLE @ COQUILLE WATER  | OREGON         | 1 | 2000.00 |
| 98  | ROCKISVILLE AREA HAZARDOUS WASTE S1   | NORTH CAROLINA | 1 | 2000.00 |
| 99  | ALAMO LAKE                            | NEVADA         | 1 | 1971.00 |
| 100 | HURFOLD RIVER @ DELAY                 | NEVADA         | 1 | 1857.00 |
| 101 | TUBA RIVER NEAR PARISVILLE            | CALIFORNIA     | 1 | 1836.00 |
| 102 | AMERICAN R. AT ELPANTO SL.            | CALIFORNIA     | 1 | 1750.00 |
| 103 | BUFFALO CR AT AMERICAN RIVER          | CALIFORNIA     | 1 | 1726.00 |
| 104 | SALINAS RIVER AT GONZALES             | CALIFORNIA     | 1 | 1691.00 |
| 105 | BOULDER CREEK AT MOUTH                | ARIZONA        | 1 | 1651.00 |
| 106 | CARSON R. @ RIVERVIEW                 | NEVADA         | 1 | 1644.00 |
| 107 | OVERS F PL TINEPATIA RIVER            | CALIFORNIA     | 1 | 1640.00 |
| 108 | SANTA ANA RIVER BELOW PHADU BAY       | CALIFORNIA     | 1 | 1611.00 |
| 109 | THURMAN RIVER AT LUCIDRUM             | NEVADA         | 2 | 1417.00 |
| 110 | BOULDER CREEK ABOVE WILDED CREEK      | ARIZONA        | 1 | 1394.00 |
| 111 | AMERICAN R. ABOVE SURFACE IN          | CALIFORNIA     | 1 | 1350.00 |
| 112 | AMERICAN R. AT BATTLE AVE.            | CALIFORNIA     | 1 | 1350.00 |

TABLE A-13. (Continued)

| UDS | LOC                                  | STATE            | N | PLAN    |
|-----|--------------------------------------|------------------|---|---------|
| 113 | COPPER CREEK AB BOULDER CREEK        | ARIZONA          | 1 | 1551.00 |
| 114 | GILA RIVER AT GILLESPIE DAM          | ARIZONA          | 2 | 1511.00 |
| 115 | LANDMARK DAM                         | ARIZONA          | 1 | 1463.00 |
| 116 | COLORADO RIVER BELOW PARKER DAM      | ARIZONA          | 1 | 1461.00 |
| 117 | COLORADO R. @ YUMA                   | ARIZONA          | 1 | 1399.00 |
| 118 | KAHULUI HARBOR                       | HAWAII           | 2 | 1292.00 |
| 119 | PEARL HARBOR E. LAGOON               | HAWAII           | 1 | 1250.00 |
| 120 | ALA WAI CANAL                        | HAWAII           | 1 | 1250.00 |
| 121 | E. IONA OWHLE RIVER @ OUTFALL        | ARIZONA          | 1 | 1250.00 |
| 122 | CANSON R @ NEW EMPIRE                | NEVADA           | 4 | 1209.00 |
| 123 | THUCKER RIVER AT PANAD               | CALIFORNIA       | 3 | 1185.00 |
| 124 | SPokane R 0.5 MI SPOKANE STP         | WASHINGTON       | 2 | 1150.00 |
| 125 | LAKE TANEZ AT SAND HARBOR            | NEVADA           | 2 | 1114.50 |
| 126 | SPokane R AT SPOKANE STP OUTFALL     | WASHINGTON       | 2 | 1075.00 |
| 127 | SPokane R 1.5 MI SPOKANE STP         | WASHINGTON       | 2 | 1050.00 |
| 128 | SEDIMENT IN ADAM WATER INTAKE        | OREGON           | 1 | 1000.00 |
| 129 | HEAVERTON LN AB TERTHOUS II TFF      | OREGON           | 1 | 1000.00 |
| 130 | TOMER CHEMICAL CO AREA HAZARDOUS WA  | FLORIDA          | 1 | 1000.00 |
| 131 | TOMER CHEMICAL CO AREA HAZARDOUS WA  | FLORIDA          | 1 | 1000.00 |
| 132 | TOMER CHEMICAL CO AREA HAZARDOUS WA  | FLORIDA          | 1 | 1000.00 |
| 133 | PENSACOLA HAZARDOUS WASTE SITE BRUL  | FLORIDA          | 1 | 1000.00 |
| 134 | PENSACOLA HAZARDOUS WASTE SITE BRUL  | FLORIDA          | 1 | 1000.00 |
| 135 | MEMPHIS AREA HAZARDOUS WASTE SITE I  | MISSISSIPPI      | 1 | 1000.00 |
| 136 | CLINTON R SPILLW HARRYH AVI; CLINTO  | MICHIGAN CO., MI | 1 | 1000.00 |
| 137 | CLINTON R AT CHUCKER ST BR; CITY OF  | MICHIGAN         | 1 | 1000.00 |
| 138 | CLINTON R AT I-94 BRIDGE; HARRISON   | MICHIGAN         | 1 | 1000.00 |
| 139 | CLINTON R @ NO. BOUND GRATIOT AVE IN | MICHIGAN CO., MI | 1 | 1000.00 |
| 140 | CLINTON R AT WARLIN RD BR; AVON TOW  | MICHIGAN         | 1 | 1000.00 |
| 141 | CLINTON R @ M-59 BRIDGE; PONTIAC TN  | MICHIGAN         | 1 | 1000.00 |
| 142 | CLINTON R 50 FT DUNSTON BUNNEN WTRP  | MICHIGAN         | 1 | 1000.00 |
| 143 | SALINE R AT MAPLE RD BRIDGE; SALINE  | MICHIGAN         | 1 | 1000.00 |
| 144 | SALINE RIVER AT MACON RD BR.; SALIN  | MICHIGAN         | 1 | 1000.00 |
| 145 | SALINE RIVER AT U.S. 12 BR.; SALINE  | MICHIGAN         | 1 | 1000.00 |
| 146 | SALINE R 100 FT DUNSTON OF WTRP; CIT | MICHIGAN         | 1 | 1000.00 |
| 147 | MOUGE R AT ANN ANCH TRAIL IN DEAND   | MICHIGAN         | 1 | 1000.00 |
| 148 | ROOSEVELT LAKE SALT L. ANN           | ARIZONA          | 2 | 874.65  |
| 149 | LYBE LAKE                            | ARIZONA          | 1 | 786.10  |
| 150 | MOOREHEAD R AT MOOREHEAD             | CALIFORNIA       | 1 | 733.10  |
| 151 | BUCKETT CANAL @ LITCHFIELD           | ARIZONA          | 1 | 715.00  |
| 152 | TOULUMBE RIVER AT TOULUMBE CITY      | CALIFORNIA       | 1 | 693.40  |
| 153 | PATAGONIA LAKE                       | ARIZONA          | 1 | 651.00  |
| 154 | ALAMO R IN CALIFORNIA                | CALIFORNIA       | 1 | 639.30  |
| 155 | SAN FRANCISCO R. AT CLIFTON          | ARIZONA          | 1 | 636.90  |
| 156 | CAICAGUEN R AT ROUS LAKE             | LOUISIANA        | 1 | 500.00  |
| 157 | WELLES R 5007 RD OF PORT ANTHON      | TEXAS            | 3 | 500.00  |
| 158 | RIO GRANDE RIVER AT ISLETA OLIVENCIO | MEXICO           | 2 | 500.00  |
| 159 | SNOWMOUNT RIVER AT SNOWMOUNT         | WASHINGTON       | 1 | 460.00  |
| 160 | PUYALLUP RIVER AT PUYALLUP           | WASHINGTON       | 1 | 400.00  |
| 161 | YAKON ISLAND : BRIL R (NE)           | WASHINGTON       | 1 | 400.00  |
| 162 | SARAHMISH RIVER AT WOODINVILLE       | WASHINGTON       | 1 | 400.00  |
| 163 | SPokane R 0.5 MI SPOKANE STP         | IDAHO            | 1 | 346.00  |
| 164 | SPokane R @ M-95 J R L AN C L'ALLEN  | IDAHO            | 1 | 300.00  |
| 165 | YAFICA RIVER @ M-224 BR. LITCHFIELD  | WASHINGTON       | 1 | 300.00  |
| 166 | QUEVEDA FRONTERA 1050 M DUNSTON      | PUEBLO MICO      | 1 | 240.00  |
| 167 | DUBARISH R. FLOW WATSON STP (RM 9)   | WASHINGTON       | 2 | 235.00  |
| 168 | SPokane RIVER 3.5 MI. BELOW CUBAN D  | IDAHO            | 1 | 200.00  |

TABLE A-13. (Continued)

| QBS | LOC                                  | STATE       | N | FEAS    |
|-----|--------------------------------------|-------------|---|---------|
| 169 | WACHES N & YAKIPA RUN. #TH INTAKE (  | WASHINGTON  | 1 | 200.000 |
| 170 | WACHES N & MOUTH & TWIN BRIDGES BR   | WASHINGTON  | 1 | 200.000 |
| 171 | AT GAGING STATION                    | GEORGIA     | 1 | 200.000 |
| 172 |                                      | TENNESSEE   | 1 | 200.000 |
| 173 |                                      | TENNESSEE   | 1 | 200.000 |
| 174 | WILSON ROAD BRIDGE                   | TENNESSEE   | 1 | 200.000 |
| 175 | EAST 30TH. STREET BRIDGE             | TENNESSEE   | 2 | 200.000 |
| 176 | RAILROAD BRIDGE                      | TENNESSEE   | 1 | 200.000 |
| 177 | TRIBUTARY TO CHATTANOOGA CREEK 2.2   | TENNESSEE   | 1 | 200.000 |
| 178 | TRIBUTARY TO CHATTANOOGA CREEK 0.3   | TENNESSEE   | 1 | 200.000 |
| 179 | POND NEAR TENNESSEE-GEORGIA STATE L  | TENNESSEE   | 1 | 200.000 |
| 180 | HOOKER MARILL ROAD CULVERT           | TENNESSEE   | 1 | 200.000 |
| 181 | TRIBUTARY TO CHATTANOOGA CREEK 4.45  | TENNESSEE   | 1 | 200.000 |
| 182 | MARILL ROAD BRIDGE                   | TENNESSEE   | 1 | 200.000 |
| 183 | BOULDER CREEK BELOW MULHOLLAND WASH  | ARIZONA     | 1 | 190.000 |
| 184 | JOHN P. FAZIO LANDFILL, BELLMAN N.   | NEW JERSEY  | 2 | 170.000 |
| 185 | MANASQUAN R AT SQUAMMUN ON RT597     | NEW JERSEY  | 1 | 160.000 |
| 186 | MAN WATER INTAKE AT DAVENPORT        | IOWA        | 2 | 150.500 |
| 187 | DES MOINES R AT EUCLID AVE BR        | IOWA        | 2 | 150.000 |
| 188 | IOWA RIVER AT MARSHALLTOWN MTR       | IOWA        | 2 | 131.000 |
| 189 | PHILICTON DISPOSAL - SOUTH BRUNSWIC  | NEW JERSEY  | 2 | 129.000 |
| 190 | SHELLHOCK R. UPST OF MONTWOOD        | IOWA        | 1 | 125.000 |
| 191 | LITTLE SIOUT R UPST OF SPENCER       | IOWA        | 1 | 125.000 |
| 192 | LITTLE SIOUT R AT LINN GROVE         | IOWA        | 1 | 125.000 |
| 193 | IOWA RIVER UPST OF MARSHALLTOWN      | IOWA        | 2 | 122.000 |
| 194 | MACA'S SANITARY LANDFILL - DEPTFORD  | NEW JERSEY  | 4 | 116.750 |
| 195 | QUEBHADA PHONTERA 1200 R DOWNSTREAM  | PUEBTO RICO | 1 | 110.000 |
| 196 | CARRAIZO (LAGO LOIZA) RESERVOIR      | PUEBTO RICO | 1 | 110.000 |
| 197 | RIO LA PLATA RESERVOIR               | PUEBTO RICO | 1 | 100.000 |
| 198 | ARKANSAS R NEAR DEBBY KANSAS         | KANSAS      | 1 | 100.000 |
| 199 | ARKANSAS RIVER ARI.                  | KANSAS      | 1 | 100.000 |
| 200 | CONSKIN CREEK AT MOORE ST S          | KANSAS      | 1 | 100.000 |
| 201 | LITTLE ARKANSAS R AT MINS ST         | KANSAS      | 1 | 100.000 |
| 202 | CARRAIZO (LAGO LOIZA) RESERVOIR NEA  | PUEBTO RICO | 1 | 99.000  |
| 203 | DUNSTONIAN SIDE MTR 200 MM           | IOWA        | 3 | 90.333  |
| 204 | 12MI EAST OF SANDY HOOK ST PA        | NEW JERSEY  | 1 | 80.000  |
| 205 | 2.5MI SE OF AMHUSE HORN              | NEW JERSEY  | 1 | 75.000  |
| 206 | SANNAHAN RIVER AT MOUTH              | WASHINGTON  | 1 | 62.040  |
| 207 | QUEBHADA PHONTERA 10 R BELOW RTE 3   | PUEBTO RICO | 1 | 61.000  |
| 208 | CEBAN R. ON LANDSBOUL (SEATTLE D.P.  | WASHINGTON  | 1 | 60.000  |
| 209 | T E MAISON STE AT MEMPHIS TR TO MISS | TENNESSEE   | 1 | 60.000  |
| 210 | CARRAIZO (LAGO LOIZA) RESERVOIR      | PUEBTO RICO | 1 | 57.000  |
| 211 | BACK-WATER SUPPLY NO R               | KANSAS      | 1 | 56.000  |
| 212 | NO WATER COMPANY WATER SUPPLY        | MISSOURI    | 1 | 56.000  |

TABLE A-14. FRESHWATER REGIONS CONTAINING ELEVATED SEDIMENT LEVELS OF DIMETHYL PHTHALATE  
CONCENTRATIONS ARE IN  $\mu\text{g/kg}$ .

| OLS | LOC                                 | STATE          | N | MEAN   |
|-----|-------------------------------------|----------------|---|--------|
| 1   | T E HAZON STP AT MEMPHIS TN TO MISS | TENNESSEE      | 1 | 360000 |
| 2   | MILLINGTON STP AT MILLINGTON TN TO  | TENNESSEE      | 1 | 80000  |
| 3   | TOWER CHEMICAL CO AREA HAZARDOUS WA | FLORIDA        | 1 | 30000  |
| 4   | TOWER CHEMICAL CO AREA HAZARDOUS WA | FLORIDA        | 1 | 30000  |
| 5   | MEMPHIS TENN AT HOLLYWOOD RD AREA S | TENNESSEE      | 1 | 20000  |
| 6   | MEMPHIS TENN AT HOLLYWOOD RD AREA S | TENNESSEE      | 1 | 20000  |
| 7   | SUISUN BAY S. OF MIDDLE GROUND      | CALIFORNIA     | 1 | 10000  |
| 8   | NEW YORK SLOUGH                     | CALIFORNIA     | 1 | 10000  |
| 9   | S.F. AIRPORT INDUSTRIAL PLANT       | CALIFORNIA     | 1 | 10000  |
| 10  | TOWER CHEMICAL CO AREA HAZARDOUS WA | FLORIDA        | 1 | 10000  |
| 11  | MEMPHIS TENN AT FRATSEH POND AREA S | TENNESSEE      | 1 | 10000  |
| 12  | MEMPHIS TENN AT FRATSEH POND AREA S | TENNESSEE      | 1 | 10000  |
| 13  | TAMPA FL AT SYDNEY BAY HAZARDOUS W  | FLORIDA        | 1 | 5000   |
| 14  | TAMPA FL AT SYDNEY BAY HAZARDOUS W  | FLORIDA        | 1 | 5000   |
| 15  | GORDON SERVICES CO AT GORDON GA TO  | GEORGIA        | 1 | 5000   |
| 16  | GORDON SERVICES CO AT GORDON GA TO  | GEORGIA        | 1 | 5000   |
| 17  | GORDON SERVICES CO AT GORDON GA TO  | GEORGIA        | 1 | 5000   |
| 18  | GORDON SERVICES CO AT GORDON GA TO  | GEORGIA        | 1 | 5000   |
| 19  | GORDON SERVICES CO AT GORDON GA TO  | GEORGIA        | 1 | 5000   |
| 20  | GORDON SERVICES CO AT GORDON GA TO  | GEORGIA        | 1 | 5000   |
| 21  | SMITHS DUMP SITE AT BROOKS KY TO BL | KENTUCKY       | 1 | 5000   |
| 22  | EAGLE LAKE NEAR VICKSBURG MS        | MISSISSIPPI    | 1 | 5000   |
| 23  | TENNESSEE EXPOSURE RISK SURVEY      | NORTH CAROLINA | 1 | 5000   |
| 24  | PIGEON RIVER EXPOSURE RISK STUDY    | NORTH CAROLINA | 1 | 5000   |
| 25  | CHEMTRONICS INC HWSI AT ASHEVILLE N | NORTH CAROLINA | 1 | 5000   |
| 26  | CHEMTRONICS INC HWSI AT ASHEVILLE N | NORTH CAROLINA | 1 | 5000   |
| 27  | ACADEMY DRUM HWS AT CHARLOTTE NC    | NORTH CAROLINA | 1 | 5000   |
| 28  | ACADEMY DRUM HWS AT CHARLOTTE NC    | NORTH CAROLINA | 1 | 5000   |
| 29  | ACADEMY DRUM HWS AT CHARLOTTE NC    | NORTH CAROLINA | 1 | 5000   |
| 30  | ACADEMY DRUM HWS AT CHARLOTTE NC    | NORTH CAROLINA | 1 | 5000   |
| 31  | OLD HWY 27 DUMP AT MT HOLLY NC      | NORTH CAROLINA | 1 | 5000   |
| 32  | OLD HWY 27 DUMP AT MT HOLLY NC      | NORTH CAROLINA | 1 | 5000   |
| 33  | JACO HUGHES PROPERTY AT DILLHONT NC | NORTH CAROLINA | 1 | 5000   |
| 34  | INDUSTRIAL CHEM CO PLANT SITE NR RO | SOUTH CAROLINA | 1 | 5000   |
| 35  | INDUSTRIAL CHEM CO AREA NEAR ROCA N | SOUTH CAROLINA | 1 | 5000   |
| 36  | INDUSTRIAL CHEM CO PLANT SITE NR RO | SOUTH CAROLINA | 1 | 5000   |
| 37  | INDUSTRIAL CHEM CO LANDFILL NR ROCA | SOUTH CAROLINA | 1 | 5000   |
| 38  | ETHYL CORPORATION CHEMICAL DIV AT O | SOUTH CAROLINA | 1 | 5000   |
| 39  | MEMPHIS TENN AT HOLLYWOOD RD AREA S | TENNESSEE      | 1 | 5000   |
| 40  | MEMPHIS TENN AT WINSTON DR AREA S   | TENNESSEE      | 1 | 5000   |
| 41  | MEMPHIS TENN AT WINSTON DR AREA S   | TENNESSEE      | 1 | 5000   |
| 42  | MEMPHIS TENN AT WINSTON DR AREA S   | TENNESSEE      | 1 | 5000   |
| 43  | MEMPHIS TENN AT FRATSEH POND AREA S | TENNESSEE      | 1 | 5000   |
| 44  | MEMPHIS TENN AT FRATSEH POND AREA S | TENNESSEE      | 1 | 5000   |
| 45  | MEMPHIS TENN AT FRATSEH POND AREA S | TENNESSEE      | 1 | 5000   |
| 46  | MEMPHIS TENN AT FRATSEH POND AREA S | TENNESSEE      | 2 | 5000   |
| 47  | MEMPHIS TENN AT FRATSEH POND AREA S | TENNESSEE      | 2 | 5000   |
| 48  | MEMPHIS TENN AT FRATSEH POND AREA S | TENNESSEE      | 2 | 5000   |
| 49  | MEMPHIS TENN AT FRATSEH POND AREA S | TENNESSEE      | 2 | 5000   |
| 50  | MEMPHIS TENN AT FRATSEH POND AREA S | TENNESSEE      | 2 | 5000   |
| 51  | MEMPHIS TENN AT FRATSEH POND AREA S | TENNESSEE      | 1 | 5000   |
| 52  | MEMPHIS TENN AT FRATSEH POND AREA S | TENNESSEE      | 2 | 5000   |
| 53  | MEMPHIS TENN AT FRATSEH POND AREA S | TENNESSEE      | 1 | 5000   |
| 54  | MEMPHIS TENN AT FRATSEH POND AREA S | TENNESSEE      | 2 | 5000   |
| 55  | MEMPHIS TENN AT FRATSEH POND AREA S | TENNESSEE      | 2 | 5000   |
| 56  | TENNESSEE EXPOSURE RISK SURVEY AT N | TENNESSEE      | 1 | 5000   |

TABLE A-14. (Continued)

| OBS | LOC                                  | STATE      | N | RIAB    |
|-----|--------------------------------------|------------|---|---------|
| 113 | SANTA ANA RIVER BELOW FRAUD DAM      | CALIFORNIA | 1 | 1631.00 |
| 114 | THUCKER RIVER AT LUCKWOOD            | NEVADA     | 2 | 1617.50 |
| 115 | BOULDER CREEK ABOVE WILDER CREEK     | ARIZONA    | 1 | 1544.00 |
| 116 | AMERICAN R. ABOVE SUNNISE MH         | CALIFORNIA | 1 | 1540.00 |
| 117 | AMERICAN R. AT BATES AVE.            | CALIFORNIA | 1 | 1540.00 |
| 118 | COPPER CREEK AB BOULDER CREEK        | ARIZONA    | 1 | 1551.00 |
| 119 | GILA RIVER AT GILLESPIE DAM          | ARIZONA    | 2 | 1511.00 |
| 120 | LANONTAN DAM                         | NEVADA     | 1 | 1463.00 |
| 121 | COLORADO RIVER BELOW PARKER DAM      | ARIZONA    | 1 | 1461.00 |
| 122 | COLORADO R. @ YUMA                   | ARIZONA    | 1 | 1449.00 |
| 123 | KANULUI HARBOR                       | HAWAII     | 2 | 1242.00 |
| 124 | PEARL HARBOR E. LOCK                 | HAWAII     | 1 | 1240.00 |
| 125 | ALA HAI CANAL                        | HAWAII     | 1 | 1250.00 |
| 126 | E. FORK OMTHEE RIVER @ OMTHEE        | NEVADA     | 1 | 1250.00 |
| 127 | CANSON E. @ NEW IMPINE               | NEVADA     | 2 | 1209.00 |
| 128 | CEDAR R. NH LANDSBURG (SEATTLE D.W.) | WASHINGTON | 2 | 1200.00 |
| 129 | DUNAMISH R. BELOW WENTON STP (NH Y.) | WASHINGTON | 2 | 1200.00 |
| 130 | DUNAMISH RIVER @ KAR KENT (NH 16.30) | WASHINGTON | 2 | 1200.00 |
| 131 | THUCKER RIVER AT PABAD               | CALIFORNIA | 3 | 1185.00 |
| 132 | LAKE TAHOE AT SAND HARBOR            | NEVADA     | 2 | 1114.50 |
| 133 | SEDIMENT @ ADASH WATER INTAKE        | OREGON     | 1 | 1000.00 |
| 134 | BEAVERTON CH AB TETRONIX EFF         | OREGON     | 1 | 1000.00 |
| 135 | TOMER CHEMICAL CO AREA HAZARDOUS WA  | FLORIDA    | 1 | 1000.00 |
| 136 | TOMER CHEMICAL CO AREA HAZARDOUS WA  | FLORIDA    | 1 | 1000.00 |
| 137 | TOMER CHEMICAL CO AREA HAZARDOUS WA  | FLORIDA    | 1 | 1000.00 |
| 138 | PENSACOLA HAZARDOUS WASTE SITE BEUL  | FLORIDA    | 1 | 1000.00 |
| 139 | PENSACOLA HAZARDOUS WASTE SITE BEUL  | FLORIDA    | 1 | 1000.00 |
| 140 | MEMPHIS AREA HAZARDOUS WASTE SITE 1  | TENNESSEE  | 1 | 1000.00 |
| 141 | ROOSEVELT LAKE SALT R. ARM           | ARIZONA    | 2 | 874.65  |
| 142 | LYNN LAKE                            | ARIZONA    | 1 | 786.10  |
| 143 | ROSELUND R AT WOODBRIDGE             | CALIFORNIA | 1 | 733.10  |
| 144 | BUCKEYE CANAL @ LITCHFIELD           | ARIZONA    | 1 | 725.00  |
| 145 | TUOLUMNE RIVER AT TUOLUMNE CITY      | CALIFORNIA | 1 | 693.40  |
| 146 | PATAGONIA LAKE                       | ARIZONA    | 1 | 651.00  |
| 147 | ALAMO R NH CALIPATHIA                | CALIFORNIA | 1 | 639.30  |
| 148 | SAN FRANCISCO R. AT CLIFTON          | ARIZONA    | 1 | 636.90  |
| 149 | CALLASIEU R AT MOSS LAKE             | LOUISIANA  | 1 | 500.00  |
| 150 | MECHES R SHOT NO OF PONT ARTHUR      | TEXAS      | 3 | 500.00  |
| 151 | RIO GRANDE RIVER AT ISLETA DIVERSION | NEW MEXICO | 2 | 500.00  |
| 152 | KALAMA WATER INTAKE (KALAMA R)       | WASHINGTON | 1 | 400.00  |
| 153 | WOODLAND WATER INTAKE (LEWIS R)      | WASHINGTON | 1 | 400.00  |
| 154 | SHOONISH RIVER AT SHOONISH           | WASHINGTON | 1 | 400.00  |
| 155 | PUTALLUP RIVER AT PUTALLUP           | WASHINGTON | 1 | 400.00  |
| 156 | SARHANISH RIVER AT WOODINVILLE       | WASHINGTON | 1 | 400.00  |
| 157 | CENHALIC R @ CENTRALIA               | WASHINGTON | 1 | 400.00  |
| 158 | W F BENAVEN R @ CENTRALIA INTAKE     | WASHINGTON | 1 | 400.00  |
| 159 | S. FORK TOLT AT SEATTLE D.W. INTAKE  | WASHINGTON | 2 | 207.00  |
| 160 | AT CAGING STATION                    | GEORGIA    | 1 | 200.00  |
| 161 |                                      | TENNESSEE  | 1 | 200.00  |
| 162 |                                      | TENNESSEE  | 1 | 200.00  |
| 163 | WILSON ROAD BRIDGE                   | TENNESSEE  | 1 | 200.00  |
| 164 | EAST 10TH STREET BRIDGE              | TENNESSEE  | 2 | 200.00  |
| 165 | RAILROAD BRIDGE                      | TENNESSEE  | 1 | 200.00  |
| 166 | TRIBUTARY TO CHATTANOOGA CREEK 2.2   | TENNESSEE  | 1 | 200.00  |
| 167 | TRIBUTARY TO CHATTANOOGA CREEK 0.3   | TENNESSEE  | 1 | 200.00  |
| 168 | POND NEAR TENNESSEE-GEORGIA STATE L  | TENNESSEE  | 1 | 200.00  |

TABLE A-14. (Continued)

| OBS | LOC                                 | STATE      | N | MEAN    |
|-----|-------------------------------------|------------|---|---------|
| 169 | HOOPER HANILL ROAD CULVERT          | TENNESSEE  | 1 | 200.000 |
| 170 | TRIBUTARY TO CHATTANOOGA CREEK 4.45 | TENNESSEE  | 1 | 200.000 |
| 171 | HANILL ROAD BRIDGE                  | TENNESSEE  | 1 | 200.000 |
| 172 | BOULDER CREEK BELOW MULHOLLAND WASH | ARIZONA    | 1 | 190.800 |
| 173 | IOWA RIVER AT MARSHALLTOWN BTP      | IOWA       | 2 | 131.000 |
| 174 | BEAVENTON CR .7MI BL TETRON EFF     | OREGON     | 1 | 130.000 |
| 175 | LITTLE SIOUX R UPST OF SPLACER      | IOWA       | 1 | 125.000 |
| 176 | LITTLE SIOUX R AT LINN GROVE        | IOWA       | 1 | 125.000 |
| 177 | IOWA RIVER DOWNST OF MARSHALLTOWN   | IOWA       | 2 | 122.000 |
| 178 | RAW WATER INTAKE AT DAVENPORT       | IOWA       | 3 | 115.000 |
| 179 | CLAY CREEK AT ROUTE 104             | CALIFORNIA | 1 | 100.000 |
| 180 | ARKANSAS R NEAR DENNY KANSAS        | KANSAS     | 1 | 100.000 |
| 181 | ARKANSAS RIVER AHI                  | KANSAS     | 1 | 100.000 |
| 182 | CONSHO CREEK AT MOORE ST S          | KANSAS     | 1 | 100.000 |
| 183 | LITTLE ARKANSAS R AT NIMS ST        | KANSAS     | 1 | 100.000 |
| 184 | DES MOINES R AT EUCLID AVE BR       | IOWA       | 4 | 89.000  |
| 185 | DOWNSTREAM SIDE HWY 280 BR          | IOWA       | 3 | 81.000  |
| 186 | SNELLROCK R. UPST OF MOUTHWOOD      | IOWA       | 2 | 76.500  |
| 187 | T & RAYON STP AT MEMPHIS IN TO MISS | TENNESSEE  | 1 | 60.000  |
| 188 | BEAVENTON CR .5MI BL TETRON EFF     | OREGON     | 1 | 50.000  |
| 189 | ACAD-RAW WATER SUPPLY NO 8          | KANSAS     | 1 | 28.000  |
| 190 | MO WATER COMPANY WATER SUPPLY       | MISSOURI   | 1 | 28.000  |
| 191 | BEAVENTON CR & TETRONIX OUTFALL     | OREGON     | 1 | 20.000  |
| 192 | FR-250 SCIOTO BIG RUN BR I 270 BR C | OHIO       | 1 | 20.000  |
| 193 | MOANOCK STREET CSO                  | WASHINGTON | 1 | 12.550  |
| 194 | BARABO R BR DANLINGTON NJ           | NEW JERSEY | 1 | 10.000  |
| 195 | NEAR SWAMP BR BR OAKLAND NJ         | NEW JERSEY | 1 | 10.000  |
| 196 | PORRYTON R AT PACMANACK LAKE NJ     | NEW JERSEY | 1 | 10.000  |
| 197 | FOX RIVER AT WRIGHTSTOWN, WI        | WISCONSIN  | 1 | 10.000  |
| 198 | HANITONOC RIVER AT HANITONOC, WI    | WISCONSIN  | 2 | 10.000  |
| 199 | ST. JOSEPH RIVER AT MILES, MICH.    | MICHIGAN   | 1 | 10.000  |
| 200 | VILLABETTE RIVER AT PORTLAND, OREG. | OREGON     | 1 | 10.000  |
| 201 | I-90 PHLEAT DRAIN --- LAKE WASHANG  | WASHINGTON | 1 | 9.000   |
| 202 | DENNY WAY REGULATOR CSO             | WASHINGTON | 1 | 6.199   |
| 203 | RAULSON PARK CSO                    | WASHINGTON | 1 | 5.500   |
| 204 | SAMMAMISH RIVER AT MOUTH            | WASHINGTON | 1 | 5.299   |
| 205 | STORM DRAIN 7 --- LAKE WASHINGTON   | WASHINGTON | 1 | 5.199   |
| 206 | HANFORD STREET CSO                  | WASHINGTON | 1 | 4.899   |
| 207 | ELLIOT WAY NEAR CENTER              | WASHINGTON | 1 | 4.099   |
| 208 | KELSO WATER INTAKE (CONLITZ R)      | WASHINGTON | 1 | 4.000   |
| 209 | DUMAMISH RIVER --- S. RED CHANNEL   | WASHINGTON | 1 | 3.299   |

TABLE A-14. (Continued)

| QBS | LOC                                  | STATE          | N | FEET |
|-----|--------------------------------------|----------------|---|------|
| 57  | TENNESSEE EXPOSURE RISK SURVEY AT B  | TENNESSEE      | 1 | 5000 |
| 58  | TENNESSEE EXPOSURE RISK SURVEY AT J  | TENNESSEE      | 1 | 5000 |
| 59  | MEMPHIS AREA HAZARDOUS WASTE SITE 1  | TENNESSEE      | 1 | 5000 |
| 60  | MEMPHIS AREA HAZARDOUS WASTE SITE 1  | TENNESSEE      | 1 | 5000 |
| 61  | MEMPHIS AREA HAZARDOUS WASTE SITE 1  | TENNESSEE      | 1 | 5000 |
| 62  | MEMPHIS AREA HAZARDOUS WASTE SITE 1  | TENNESSEE      | 1 | 3000 |
| 63  | MAHILLIWI HAI                        | HAWAII         | 1 | 2117 |
| 64  | MOCK SLOUGH AT DELTA RD BRIDGE       | CALIFORNIA     | 1 | 2500 |
| 65  | SAN JOAQUIN R. AT ANTIUCH HARB       | CALIFORNIA     | 1 | 2500 |
| 66  | REL RIVER AT MIC DELL, DAVIS STREET  | CALIFORNIA     | 1 | 2500 |
| 67  | LAS VEGAS WASH AT NORTH SHORE ROAD   | NEVADA         | 1 | 2500 |
| 68  | CALLVILLE BAY LAKE HEAD              | NEVADA         | 1 | 2500 |
| 69  | LAS VEGAS BAY LAKE HEAD              | NEVADA         | 1 | 2500 |
| 70  | SAN JOAQUIN RIVER AT STANISLAUS CO.  | CALIFORNIA     | 1 | 2500 |
| 71  | LAKE BENDOCING AT HWY 20 BRIDGE      | CALIFORNIA     | 1 | 2500 |
| 72  | RUSSIAN RIVER AT UNION TREATMENT PL  | CALIFORNIA     | 1 | 2500 |
| 73  | RUSSIAN RIVER - NORTH RIO            | CALIFORNIA     | 1 | 2500 |
| 74  | WAD RIVER AT ESSEX LAKE              | CALIFORNIA     | 1 | 2500 |
| 75  | SANTA CRUZ BELOW RUGER ROAD WASTE N  | ARIZONA        | 1 | 2500 |
| 76  | TOPAZ LAKE                           | NEVADA         | 1 | 2500 |
| 77  | HILO HAI                             | HAWAII         | 2 | 2116 |
| 78  | SPOKANE R 0.5 MI AN SPOKANE STP      | WASHINGTON     | 2 | 2000 |
| 79  | SPOKANE R AT SPOKANE STP OUTFALL     | WASHINGTON     | 2 | 2000 |
| 80  | SPOKANE R 0.5 MI SPOKANE STP         | WASHINGTON     | 2 | 2000 |
| 81  | SPOKANE R 1.5 MI MI SPOKANE STP      | WASHINGTON     | 2 | 2000 |
| 82  | SPOKANE R AT POST FALLS LD           | IDAHO          | 1 | 2000 |
| 83  | SPOKANE R .5 MI ABV COLUM D'ALLEN S  | IDAHO          | 1 | 2000 |
| 84  | SPOKANE R @ HW 95 .3 MI AN C D'ALLEN | IDAHO          | 1 | 2000 |
| 85  | SPOKANE RIVER 1.5 MI. BELOW COLUM D  | IDAHO          | 1 | 2000 |
| 86  | YAKIMA RIVER @ HWY 224 BR. RICHLAND  | WASHINGTON     | 1 | 2000 |
| 87  | YAKIMA R @ YAKIMA RUN. NTR INTAKE (  | WASHINGTON     | 1 | 2000 |
| 88  | YAKIMA R @ SOUTH @ TWIN BRIDGES BR   | WASHINGTON     | 1 | 2000 |
| 89  | COLUMBIA R @ PASCO WTP INTAKE (HW 31 | WASHINGTON     | 1 | 2000 |
| 90  | PORTNEUF R 1/4 MI ABV POCATELLO STP  | IDAHO          | 1 | 2000 |
| 91  | PORTNEUF R 1/4 MI BELOW POCATELLO S  | IDAHO          | 1 | 2000 |
| 92  | PORTNEUF R 3/4 MI BELOW POCATELLO S  | IDAHO          | 1 | 2000 |
| 93  | BATISE SPRINGS 1/4 MI BELOW PUMPING  | IDAHO          | 1 | 2000 |
| 94  | RICHLAND WTP INTAKE (COLUMBIA R)     | WASHINGTON     | 1 | 2000 |
| 95  | SKOKOMISH RIVER AT STATE HIGHWAY 10  | WASHINGTON     | 1 | 2000 |
| 96  | BIG QUILCENE RIVER AT PORT TOWNSEND  | WASHINGTON     | 1 | 2000 |
| 97  | MANCHESTER, WA. WATER SUPPLY         | WASHINGTON     | 1 | 2000 |
| 98  | HORSE CREEK AT U.S. 101 BRIDGE       | WASHINGTON     | 1 | 2000 |
| 99  | CLEAR LAKE @ DELATA, OREGON WATER I  | OREGON         | 1 | 2000 |
| 100 | ELL LAKE @ LAKESIDE, OREGON WATER I  | OREGON         | 1 | 2000 |
| 101 | CLEAR LAKE @ HELLSPOUNT, OREGON WATE | OREGON         | 1 | 2000 |
| 102 | HINK CR. McSILVOIN @ COQUILL WATER   | OREGON         | 1 | 2000 |
| 103 | MORRISVILLE AREA HAZARDOUS WASTE SI  | NORTH CAROLINA | 1 | 2000 |
| 104 | ALAMO LAKE                           | ARIZONA        | 1 | 1971 |
| 105 | MURKOLT RIVER @ INDIAN               | NEVADA         | 1 | 1852 |
| 106 | YUBA RIVER BEAN MARYSVILLE           | CALIFORNIA     | 1 | 1830 |
| 107 | AMERICAN R. AT ELCAUTO ST.           | CALIFORNIA     | 1 | 1726 |
| 108 | BUFFALO LN AT AMERICAN RIVER         | CALIFORNIA     | 1 | 1726 |
| 109 | SALINAS RIVER AT CORZALES            | CALIFORNIA     | 1 | 1698 |
| 110 | BOULDER CREEK AT FOUTH               | ARIZONA        | 1 | 1698 |
| 111 | CADISON R. @ BIVANIAN                | NEVADA         | 1 | 1664 |
| 112 | OVERS R NL TINEPANA RES.             | CALIFORNIA     | 1 | 1640 |

TABLE A-15. FRESHWATER REGIONS CONTAINING ELEVATED SEDIMENT LEVELS OF ALDRIN.  
CONCENTRATIONS ARE IN  $\mu\text{g}/\text{kg}$ .

| ORD | LOC                                 | STATE       | N | MEAN    |
|-----|-------------------------------------|-------------|---|---------|
| 1   |                                     |             |   |         |
| 2   | HILO BAY                            | CALIFORNIA  | 1 | 19205.0 |
| 3   | MAHILIMILI BAY                      | HAWAII      | 1 | 3333.0  |
| 4   | BELMONT STP-- GREASE PIT, INDIAN    | INDIANA     | 1 | 2717.0  |
| 5   | ALAMO LAKE                          | ARIZONA     | 1 | 2500.0  |
| 6   | HUMPHREY RIVER @ INLET              | NEVADA      | 1 | 1971.0  |
| 7   | YUBA RIVER NEAR MARYSVILLE          | CALIFORNIA  | 1 | 1857.0  |
| 8   | AMERICAN R. AT LAMAR ST.            | CALIFORNIA  | 1 | 1830.0  |
| 9   | BUFFALO CR AT AMERICAN RIVER        | CALIFORNIA  | 1 | 1750.0  |
| 10  | SALINAS RIVER AT GONZALES           | CALIFORNIA  | 1 | 1720.0  |
| 11  | BOULDER CREEK AT MOUTH              | ARIZONA     | 1 | 1696.0  |
| 12  | CARSON R. @ RIVERVIEW               | NEVADA      | 1 | 1646.0  |
| 13  | OVERS R. @ TIDEWATER HPS.           | CALIFORNIA  | 1 | 1664.0  |
| 14  | SANTA ANA RIVER BELOW PHAUC DAM     | CALIFORNIA  | 1 | 1640.0  |
| 15  | BOULDER CREEK ABOVE WILDER CREEK    | ARIZONA     | 1 | 1631.0  |
| 16  | AMERICAN R. ABOVE SUMMIT IN         | CALIFORNIA  | 1 | 1594.0  |
| 17  | AMERICAN R. AT MATTS AVE.           | CALIFORNIA  | 1 | 1596.0  |
| 18  | COPPER CREEK AB BOULDER CREEK       | ARIZONA     | 1 | 1590.0  |
| 19  | LAMONTAN DAM                        | NEVADA      | 1 | 1551.0  |
| 20  | COLORADO RIVER BELOW PARKER DAM     | ARIZONA     | 1 | 1483.0  |
| 21  | COLORADO R. @ YUBA                  | ARIZONA     | 1 | 1461.0  |
| 22  | PEARL HARBOR E. LOCK                | HAWAII      | 1 | 1399.0  |
| 23  | ALA WAI CANAL                       | HAWAII      | 1 | 1350.0  |
| 24  | E. FORK OUYER RIVER @ OUYER         | NEVADA      | 1 | 1250.0  |
| 25  | GILA RIVER AT GILLESPIE DAM         | ARIZONA     | 2 | 1132.0  |
| 26  | ESCANABA RIVER UPSTREAM 0.1 MI.     | MICHIGAN    | 1 | 1030.0  |
| 27  | NR MOUTH OF CYPRESS BATON, N OF     | LOUISIANA   | 1 | 1000.0  |
| 28  | INDIANA HARBOR                      | INDIANA     | 1 | 1000.0  |
| 29  | ST CLAIR RIVER                      | MICHIGAN    | 1 | 1000.0  |
| 30  | ST CLAIR RIVER                      | MICHIGAN    | 1 | 1000.0  |
| 31  | ST CLAIR RIVER                      | MICHIGAN    | 1 | 1000.0  |
| 32  | ST CLAIR RIVER                      | MICHIGAN    | 1 | 1000.0  |
| 33  | ST CLAIR RIVER                      | MICHIGAN    | 1 | 1000.0  |
| 34  | SANDY CR NR ABC COMPOUNDING CO AT A | GEORGIA     | 1 | 1000.0  |
| 35  | KANULUI HARBOR                      | HAWAII      | 2 | 917.0   |
| 36  | INDIANA HARBOR                      | INDIANA     | 1 | 900.0   |
| 37  | MEMPHIS AREA HAZARDOUS WASTE SITE 1 | MISSISSIPPI | 1 | 900.0   |
| 38  | CARSON R. @ NEW EMPIRE              | NEVADA      | 2 | 892.0   |
| 39  | SHAFER RIVER AT NYUSA, OH           | OHIO        | 1 | 888.4   |
| 40  | LAKE TANGUE AT SAND HARBOR          | NEVADA      | 2 | 102.0   |
| 41  | LYNN LAKE                           | ARIZONA     | 1 | 786.1   |
| 42  | MOKELUNNE R AT BOOTHBRIDGE          | CALIFORNIA  | 1 | 733.1   |
| 43  | INDIANA HARBOR                      | INDIANA     | 1 | 700.0   |
| 44  | TUOLUMNE RIVER AT TUOLUMNE CITY     | CALIFORNIA  | 1 | 693.4   |
| 45  | PATAGONIA LAKE                      | ARIZONA     | 1 | 651.0   |
| 46  | ALAMO R NR CALIPATHIA               | CALIFORNIA  | 1 | 634.3   |
| 47  | SAN FRANCISCO R. AT CLIFTON         | ARIZONA     | 1 | 636.9   |
| 48  | HOUSTON LAKE SALT M. ARM            | ARIZONA     | 1 | 521.1   |
| 49  | INDIANA HARBOR                      | INDIANA     | 1 | 500.0   |
| 50  | INDIANA HARBOR                      | INDIANA     | 1 | 500.0   |
| 51  | INDIANA HARBOR                      | INDIANA     | 1 | 500.0   |
| 52  | INDIANA HARBOR                      | INDIANA     | 1 | 500.0   |
| 53  | INDIANA HARBOR                      | INDIANA     | 1 | 500.0   |
| 54  | ROCK SLOUGH AT DELTA RD BRIDGE      | CALIFORNIA  | 1 | 500.0   |
| 55  | SAN JOAQUIN R AT ANTIUCH HPM        | CALIFORNIA  | 1 | 500.0   |
| 56  | EL RIVER AT HIG DELL, DAVIS STREET  | CALIFORNIA  | 1 | 500.0   |

TABLE A-15. (Continued)

| QBS | LOC                                  | STATE       | N | PLAN    |
|-----|--------------------------------------|-------------|---|---------|
| 57  | LAS VEGAS WASH AT NORTH SHORE ROAD   | NEVADA      | 1 | 500.000 |
| 58  | CALLVILLE FAY LAKE MFD               | NEVADA      | 1 | 500.000 |
| 59  | LAS VEGAS DAY LAKE REAR              | NEVADA      | 1 | 500.000 |
| 60  | LAKE PILLSBURY NEAR SCOTT L DAM      | CALIFORNIA  | 1 | 500.000 |
| 61  | SAN JOAQUIN RIVER AT STANISLAUS CO.  | CALIFORNIA  | 1 | 500.000 |
| 62  | LAKE MENDOCINO AT HWY 20 BRIDGE      | CALIFORNIA  | 1 | 500.000 |
| 63  | RUSSIAN RIVER AT UNIAN TREATMENT PL  | CALIFORNIA  | 1 | 500.000 |
| 64  | RUSSIAN RIVER - MONTE RIO            | CALIFORNIA  | 1 | 500.000 |
| 65  | RAID RIVER AT LOSER LAKE             | CALIFORNIA  | 1 | 500.000 |
| 66  | SANTA CRUZ BELOW HUGER ROAD WASTE W  | ARIZONA     | 1 | 500.000 |
| 67  | L. BLACK CHM EVANSTON RD; EUSKEGON   | MICHIGAN    | 1 | 500.000 |
| 68  | LITTLE BEAR CR. AT MUSSEL RD; DALTO  | MICHIGAN    | 1 | 500.000 |
| 69  | LITTLE BEAR CHM RIVER RD.; DALLON T  | MICHIGAN    | 1 | 500.000 |
| 70  | LITTLE BEAR CH. AT GILES RD; MUSKOG  | MICHIGAN    | 1 | 500.000 |
| 71  | SWANSON DAI S. OF MIDDLE GROUNL      | CALIFORNIA  | 1 | 330.000 |
| 72  | NEW YORK SLOUGH                      | CALIFORNIA  | 1 | 330.000 |
| 73  | S.F. ALABAMA INDUSTRIAL PLANT        | CALIFORNIA  | 1 | 330.000 |
| 74  | INDIANA HARBOR                       | INDIANA     | 1 | 300.000 |
| 75  | INDIANA HARBOR                       | INDIANA     | 2 | 300.000 |
| 76  | T & NATION STP AT MEMPHIS TN TO MISS | MISSISSIPPI | 1 | 300.000 |
| 77  | THUCKER RIVER AT LOCKWOOD            | NEVADA      | 2 | 287.000 |
| 78  | THUCKER RIVER AT FANAD               | CALIFORNIA  | 2 | 286.000 |
| 79  | GRANT FARM WISCONSIN                 | WISCONSIN   | 2 | 200.000 |
| 80  | AT GAGING STATION                    | GEORGIA     | 1 | 200.000 |
| 81  | BILLINGTON STP AT BILLINGTON TN TO   | MISSISSIPPI | 1 | 200.000 |
| 82  |                                      | MISSISSIPPI | 1 | 200.000 |
| 83  |                                      | MISSISSIPPI | 1 | 200.000 |
| 84  | WILSON ROAD BRIDGE                   | MISSISSIPPI | 1 | 200.000 |
| 85  | EAST 30TH STREET BRIDGE              | MISSISSIPPI | 2 | 200.000 |
| 86  | RAILROAD BRIDGE                      | MISSISSIPPI | 1 | 200.000 |
| 87  | TRIBUTARY TO CHATTANOOGA CREEK 2.2   | MISSISSIPPI | 1 | 200.000 |
| 88  | TRIBUTARY TO CHATTANOOGA CREEK 0.3   | MISSISSIPPI | 1 | 200.000 |
| 89  | POND NEAR TENNESSEE-GEORGIA STATE L  | MISSISSIPPI | 1 | 200.000 |
| 90  | HOOKER HAMIL ROAD CULVERT            | MISSISSIPPI | 1 | 200.000 |
| 91  | TRIBUTARY TO CHATTANOOGA CREEK 4.95  | MISSISSIPPI | 1 | 200.000 |
| 92  | HAMIL ROAD BRIDGE                    | MISSISSIPPI | 1 | 200.000 |
| 93  | BOULDER CREEK BELOW MULHOLLAND WASH  | ARIZONA     | 1 | 150.000 |
| 94  | BRAYS BAYOU AT SCOTT STREET, AT DOB  | TEXAS       | 1 | 150.000 |
| 95  | LAKE PALOUMBE, ABOUT 10 MI. NE O     | LOUISIANA   | 1 | 150.000 |
| 96  | PASSAIC RIVER NEAR CHATHAM NJ        | NEW JERSEY  | 1 | 149.900 |
| 97  | OFF LAKEVIEW PT AT IPL OUTFALL TOXIC | VERMONT     | 1 | 130.000 |
| 98  | ARKANSAS RIVER NEAR PUNCA CITY       | CALIFORNIA  | 1 | 125.000 |
| 99  | BAYOU DESCANNEIS, AT HWY 104 CROSS   | LOUISIANA   | 1 | 110.000 |
| 100 | MONTLE CREEK NE PALACIOS, TEXAS      | TEXAS       | 1 | 105.900 |
| 101 | SABINE RIVER NE KULIPP, TEX.         | TEXAS       | 1 | 101.000 |
| 102 | ASHTAMULA HARBOR, OHIO               | OHIO        | 1 | 100.000 |
| 103 | ASHTAMULA HARBOR, OHIO               | OHIO        | 1 | 100.000 |
| 104 | ASHTAMULA HARBOR, OHIO               | OHIO        | 1 | 100.000 |
| 105 | ASHTAMULA HARBOR, OHIO               | OHIO        | 1 | 100.000 |
| 106 | ASHTAMULA HARBOR, OHIO               | OHIO        | 1 | 100.000 |
| 107 | ASHTAMULA HARBOR, OHIO               | OHIO        | 1 | 100.000 |
| 108 | ASHTAMULA HARBOR, OHIO               | OHIO        | 1 | 100.000 |
| 109 | ASHTAMULA HARBOR, OHIO               | OHIO        | 1 | 100.000 |
| 110 | ASHTAMULA HARBOR, OHIO               | OHIO        | 1 | 100.000 |
| 111 | BLACK RIVER, MICHIGAN                | WISCONSIN   | 1 | 100.000 |
| 112 | BLACK RIVER, MICHIGAN                | WISCONSIN   | 1 | 100.000 |

TABLE A-15. (Continued)

| UPS | LOC                                   | STATE         | N | RT/M    |
|-----|---------------------------------------|---------------|---|---------|
| 113 | CASIVILLE HARBOR, MICHIGAN            | MICHIGAN      | 1 | 100.000 |
| 114 | CLEVELAND HARBOR                      | OHIO          | 1 | 100.000 |
| 115 | CLEVELAND HARBOR                      | OHIO          | 1 | 100.000 |
| 116 | BELL CITY DRAINAGE CANAL              | LOUISIANA     | 1 | 100.000 |
| 117 | HAHRISVILLE HARBOR                    | MICHIGAN      | 1 | 100.000 |
| 118 | INDIANA HARBOR                        | INDIANA       | 1 | 100.000 |
| 119 | INDIANA HARBOR                        | INDIANA       | 1 | 100.000 |
| 120 | INDIANA HARBOR                        | INDIANA       | 1 | 100.000 |
| 121 | IRONDQUOIT BAY                        | NEW YORK      | 1 | 100.000 |
| 122 | IRONDQUOIT BAY                        | NEW YORK      | 1 | 100.000 |
| 123 | LES CHATELAIN ISLANDS CHANNELS        | MICHIGAN      | 1 | 100.000 |
| 124 | LES CHATELAIN ISLANDS CHANNELS        | MICHIGAN      | 1 | 100.000 |
| 125 | LITTLE SALMON RIVER                   | NEW YORK      | 1 | 100.000 |
| 126 | MONROE HARBOR                         | MICHIGAN      | 1 | 100.000 |
| 127 | MONROE HARBOR                         | MICHIGAN      | 1 | 100.000 |
| 128 | OGDENSBURG                            | NEW YORK      | 1 | 100.000 |
| 129 | PENSAUCKEE HARBOR                     | WISCONSIN     | 1 | 100.000 |
| 130 | POINT LOOKOUT HARBOR                  | MICHIGAN      | 1 | 100.000 |
| 131 | PORT WASHINGTON                       | WISCONSIN     | 1 | 100.000 |
| 132 | IRVINE AVENUE BRIDGE                  | CALIFORNIA    | 1 | 100.000 |
| 133 | CAMPUS DRIVE BRIDGE                   | CALIFORNIA    | 1 | 100.000 |
| 134 | SAINT LOUIS RIVER                     | WISCONSIN     | 2 | 100.000 |
| 135 | SAINT LOUIS RIVER                     | WISCONSIN     | 1 | 100.000 |
| 136 | SAINT LOUIS RIVER                     | WISCONSIN     | 2 | 100.000 |
| 137 | SAINT LOUIS RIVER                     | WISCONSIN     | 2 | 100.000 |
| 138 | SAINT LOUIS RIVER                     | WISCONSIN     | 1 | 100.000 |
| 139 | SAINT LOUIS RIVER                     | WISCONSIN     | 2 | 100.000 |
| 140 | CLEVELAND HARBOR                      | OHIO          | 1 | 100.000 |
| 141 | CLEVELAND HARBOR                      | OHIO          | 2 | 100.000 |
| 142 | MEMPHIS TANK AT HULLYWOOD FD AREA 5   | TENNESSEE     | 1 | 100.000 |
| 143 | P. HANQ. LA-N CEMT PORTION; P. HANQ.  | MASON CO., MI | 1 | 100.000 |
| 144 | P. HANQ. LA-N OLD WTP DISCH; P. HANQ. | MASON CO., MI | 1 | 100.000 |
| 145 | PEKE HANQUITTE LA-CENTEN; I. HANQ.    | MASON CO., MI | 1 | 100.000 |
| 146 | P. HANQ. LA-N EAM DON CEM; P. HANQ.   | MASON CO., MI | 1 | 100.000 |
| 147 | P. HANQ. LA IN SE PORTION; P. HANQ.   | MICHIGAN      | 1 | 100.000 |
| 148 | P. HANQ. LA IN SW PORTION; P. HANQ.   | MASON CO., MI | 1 | 100.000 |
| 149 | DULUTH HARBOR                         | MINNESOTA     | 1 | 100.000 |
| 150 | DULUTH HARBOR                         | WISCONSIN     | 1 | 100.000 |
| 151 | DULUTH HARBOR                         | WISCONSIN     | 1 | 100.000 |
| 152 | DULUTH HARBOR                         | WISCONSIN     | 1 | 100.000 |
| 153 | DULUTH HARBOR                         | WISCONSIN     | 1 | 100.000 |
| 154 | DULUTH HARBOR                         | WISCONSIN     | 1 | 100.000 |
| 155 | DULUTH HARBOR                         | WISCONSIN     | 1 | 100.000 |
| 156 | LAKE MACKENZIE, FIRST TURN FROM       | TEXAS         | 3 | 79.133  |
| 157 | CANADIAN RIVER AT CALVIN              | CALIFORNIA    | 1 | 76.000  |
| 158 | KALINI STRIAM AT KALINI, O/HU, MI     | HAWAII        | 4 | 74.400  |
| 159 | AT FACH DAI DRIVE BRIDGE              | CALIFORNIA    | 2 | 70.000  |
| 160 | CLEVELAND HARBOR                      | OHIO          | 1 | 70.000  |
| 161 | CLEVELAND HARBOR                      | OHIO          | 1 | 70.000  |
| 162 | CLEVELAND HARBOR                      | OHIO          | 2 | 70.000  |
| 163 | CLEVELAND HARBOR                      | OHIO          | 1 | 70.000  |
| 164 | CLEVELAND HARBOR                      | OHIO          | 1 | 70.000  |
| 165 | CLEVELAND HARBOR                      | OHIO          | 1 | 70.000  |
| 166 | CLEVELAND HARBOR                      | OHIO          | 1 | 70.000  |
| 167 | CLEVELAND HARBOR                      | OHIO          | 2 | 70.000  |
| 168 | CLEVELAND HARBOR                      | OHIO          | 1 | 70.000  |

TABLE A-15. (Continued)

| Obs | LOC                                 | STATE          | N | MEAN    |
|-----|-------------------------------------|----------------|---|---------|
| 169 | REEDY CREEK NH VINLAND, FLA.        | FLORIDA        | 1 | 65.4900 |
| 170 | JACCO HUGHES PROPERTY AT BELMONT NC | NORTH CAROLINA | 1 | 60.0000 |
| 171 | E-21 CANAL AT CLINT HOUSE 10 NH DOC | FLORIDA        | 1 | 53.0000 |
| 172 | LAKE VERMET, NORTH END : 10 MI.     | LOUISIANA      | 1 | 50.0000 |
| 173 | CLEVELAND HARBOR                    | CHIO           | 1 | 50.0000 |
| 174 | CLEVELAND HARBOR                    | CHIO           | 1 | 50.0000 |
| 175 | CLEVELAND HARBOR                    | CHIO           | 1 | 50.0000 |
| 176 | CLEVELAND HARBOR                    | CHIO           | 1 | 50.0000 |
| 177 | CLEVELAND HARBOR                    | CHIO           | 1 | 50.0000 |
| 178 | CLEVELAND HARBOR                    | CHIO           | 1 | 50.0000 |
| 179 | CLEVELAND HARBOR                    | CHIO           | 2 | 50.0000 |
| 180 | CLEVELAND HARBOR                    | CHIO           | 1 | 50.0000 |
| 181 | CLEVELAND HARBOR                    | CHIO           | 1 | 50.0000 |
| 182 | GRAND PONTAGE, MINNESOTA            | MINNESOTA      | 1 | 50.0000 |
| 183 | GRAND PONTAGE, MINNESOTA            | MINNESOTA      | 1 | 50.0000 |
| 184 | GRAND PONTAGE, MINNESOTA            | MINNESOTA      | 1 | 50.0000 |
| 185 | GRAND PONTAGE, MINNESOTA            | MINNESOTA      | 1 | 50.0000 |
| 186 | 4000 FT BELOW EAST CREEK HUTLAND TO | VERMONT        | 2 | 50.0000 |
| 187 | TOPAZ LAKE                          | NEVADA         | 1 | 50.0000 |
| 188 | GULF INT. COAST. WATERWAY AT BIG    | TEXAS          | 1 | 50.0000 |
| 189 | GORDON SERVICES CO AT GORDON GA TO  | GEORGIA        | 1 | 50.0000 |
| 190 | CLEVELAND HARBOR                    | CHIO           | 1 | 50.0000 |
| 191 | KANSAS CITY WATER TREATMENT PLT.    | MISSOURI       | 1 | 50.0000 |
| 192 | MISSOURI RIVER NEAR 1400 BRIDGE     | NEBRASKA       | 1 | 45.0000 |
| 193 | MISSOURI RIVER AT SIOUX CITY        | NEBRASKA       | 1 | 45.0000 |
| 194 | ACRA-NAW WATER SUPPLY NO 8          | KANSAS         | 1 | 45.0000 |
| 195 | NO WATER COMPANY WATER SUPPLY       | MISSOURI       | 1 | 45.0000 |
| 196 | CIRAHON RIVER NEAR GUINNI           | OKLAHOMA       | 1 | 45.0000 |
| 197 | RAYOU SICUM, S OF PARISH MI. CHU    | LOUISIANA      | 1 | 42.7900 |
| 198 | RAYOU DESCANNES, AT HWY 97 CROSS    | LOUISIANA      | 1 | 40.0000 |
| 199 | RAYOU PLAVUENINE AT HWY 13 CROSS    | LOUISIANA      | 1 | 40.0000 |
| 200 | UPSTREAM OF 108-POS CONFLUENCE      | CALIFORNIA     | 1 | 40.0000 |
| 201 | 100 FEET SOUTH OF DAN               | CALIFORNIA     | 1 | 40.0000 |
| 202 | RY RIVER AT HEIDELBERG LOCK #14     | KENTUCKY       | 1 | 40.0000 |
| 203 | 3 MI BELOW N. BIRMINGHAM AT SUBUR V | VERMONT        | 1 | 40.0000 |
| 204 | 1000 FT. BELOW N. PONDAL DAN AN TAN | VERMONT        | 1 | 40.0000 |
| 205 | 2000 FT. ABOVE N. PONDAL DAN TOXIC  | VERMONT        | 1 | 40.0000 |
| 206 | NORTH OF LAZY LADY ISLAND AT PHO 4  | VERMONT        | 1 | 40.0000 |
| 207 | BEHIND BREAKWATER 2000 FT SOUTH OF  | VERMONT        | 1 | 40.0000 |
| 208 | WATER DISTRICT INTAKE BETWEEN PHO 4 | VERMONT        | 1 | 40.0000 |
| 209 | PUMP LINE CROSSING 1.5 MI ABOVE PI  | VERMONT        | 1 | 40.0000 |
| 210 | 1000 FT BELOW N1 2 BRIDGE IN ST JOH | VERMONT        | 1 | 40.0000 |
| 211 | OLD MT 11 BRG ABOVE GOULDS MILL S O | VERMONT        | 1 | 40.0000 |
| 212 | LITTLE ARKANSAS R AT AINS CT        | KANSAS         | 1 | 40.0000 |
| 213 | TRINITY R AT RLT LINE NO            | TEXAS          | 1 | 40.0000 |
| 214 | RENNIS TERN AT HOLLYWOOD 10 AREA S  | TENNESSEE      | 1 | 40.0000 |
| 215 | RENNIS TERN AT HOLLYWOOD 10 AREA S  | TENNESSEE      | 1 | 40.0000 |
| 216 | POTEAU RIVER NEAR FORT SMITH, ARK   | OKLAHOMA       | 1 | 37.0000 |
| 217 | SHELLHOCK R. WEST OF BUSHINGOOD     | ALBA           | 1 | 36.0000 |
| 218 | STAUFFER CHEMICAL -- UNLINED ALUM I | CHICAGO        | 1 | 35.0000 |
| 219 | STURGEON RIVER UPSTREAM 0.25 MI.    | MICHIGAN       | 1 | 35.0000 |
| 220 | HILLSHAND RAYOU 1/4 MI NIAURNI      | TEXAS          | 1 | 33.0000 |
| 221 | COULDER R AT RUDOLPHS RD AT LINDEN  | NEVADA         | 1 | 32.0000 |
| 222 | HOLLAND HARBOR, MICHIGAN            | MICHIGAN       | 1 | 30.0000 |
| 223 | HOLLAND HARBOR, MICHIGAN            | MICHIGAN       | 1 | 30.0000 |
| 224 | HOLLAND HARBOR, MICHIGAN            | MICHIGAN       | 1 | 30.0000 |

TABLE A-16. FRESHWATER REGIONS CONTAINING ELEVATED SEDIMENT LEVELS OF CHLORDANE.  
CONCENTRATIONS ARE IN  $\mu\text{g/kg}$ .

| NO. | LOC                                    | STATE          | N | MEAN   |
|-----|----------------------------------------|----------------|---|--------|
| 1   | EIGHT MILE CREEK STP AT PRITCHARD A    | ALABAMA        | 1 | 150000 |
| 2   | SIMS BAYOU AT SM J5                    | TEXAS          | 1 | 48100  |
| 3   | MORRISTOWN STP AT MORRISTOWN TN        | TENNESSEE      | 1 | 30000  |
| 4   | CHEMICONICS INC HWY1 AT ASHEVILLE A    | SOUTH CAROLINA | 1 | 20000  |
| 5   | CANAWA RIVER STP AT BIRMINGHAM AL F    | ALABAMA        | 1 | 18000  |
| 6   | VALLEY CR STP AT LESSMER AL TO VAL     | ALABAMA        | 1 | 16450  |
| 7   | ALBANYVILLE WEST SIDE STP AT ALBANY    | ALABAMA        | 1 | 16000  |
| 8   | STRAMONDIA LAKE/LOWER LAKE COMPOSITE   | NEW JERSEY     | 1 | 11640  |
| 9   | LAFOULLETTE STP AT LAFOULLETTE TN TO   | TENNESSEE      | 1 | 11540  |
| 10  | KINGSFOUNT STP AT KINGSFOUNT TN TO S   | TENNESSEE      | 1 | 11140  |
| 11  | ON CLIFF AT NORTH EIGHT ST. IN BENT    | MICHIGAN       | 2 | 10750  |
| 12  | SHANK RIVER AT MTSSA, OH               | OHIO           | 1 | 9569   |
| 13  | NO LAUDENDALE STP AT NO LAUDENDALE     | FLORIDA        | 1 | 7000   |
| 14  | WEST STP AT OAK RIDGE TN TO EAST FO    | TENNESSEE      | 2 | 6066   |
| 15  | POTATO CR STP AT CHITPIN GA TO POT     | GEORGIA        | 1 | 6000   |
| 16  | EAST RIDGE STP AT EAST RIDGE IN SO     | TENNESSEE      | 1 | 5860   |
| 17  | NO LAUDENDALE STP AT NO LAUDENDALE     | FLORIDA        | 1 | 5190   |
| 18  | WESTSIDE STP AT HIGH POINT NC TO AI    | SOUTH CAROLINA | 1 | 5210   |
| 19  | EAST STP AT OAK RIDGE TN TO CLINCH     | TENNESSEE      | 2 | 5008   |
| 20  | TUSCUMBIA STP AT TUSCUMBIA AL TO SP    | ALABAMA        | 1 | 5000   |
| 21  | HARRY CA STP NE INOVASVILLE NC TO N    | SOUTH CAROLINA | 1 | 5000   |
| 22  | 105 N FORK BLK RIVER AT FT LAUDERDA    | FLORIDA        | 1 | 4999   |
| 23  | GALLATIN STP AT GALLATIN TN TO CUMB    | TENNESSEE      | 1 | 4950   |
| 24  | HEBANE BRIDGE STP AT EDEN NC TO OAK    | SOUTH CAROLINA | 1 | 4650   |
| 25  | BRUSH CR STP AT JOHNSON CITY TN TO     | TENNESSEE      | 1 | 4590   |
| 26  | BELMONT STP-- GREASE PIT, INDIAN       | INDIANA        | 1 | 4430   |
| 27  | CEDARTOWN STP AT CEDARTOWN GA TO HJ    | GEORGIA        | 1 | 4060   |
| 28  | DANDRIDGE STP AT DANDRIDGE TN TO FR    | TENNESSEE      | 1 | 4000   |
| 29  | CHATTANOOGA STP AT CHATTANOOGA TN TO S | TENNESSEE      | 1 | 3995   |
| 30  | NO LAUDENDALE STP AT NO LAUDENDALE     | FLORIDA        | 1 | 3900   |
| 31  | PATTON CR STP AT BIRMINGHAM AL TO P    | ALABAMA        | 2 | 3600   |
| 32  | HOLLYWOOD STP AT HOLLYWOOD FLA TO A    | FLORIDA        | 1 | 3600   |
| 33  | FOURTH CR STP AT ANDOVERVILLE TN TO TE | TENNESSEE      | 2 | 3551   |
| 34  | PT BUCKER STP AT PT BUCKER AL TO CL    | ALABAMA        | 1 | 3500   |
| 35  | SWIFTWATER STP AT SWIFTWATER TN TO     | TENNESSEE      | 1 | 3496   |
| 36  | HERNDENSON STP AT HERNDENSON KY TO OH  | KENTUCKY       | 1 | 3400   |
| 37  | GREENEVILLE STP AT GREENEVILLE SP T    | TENNESSEE      | 2 | 3350   |
| 38  | HILO BAY                               | HAWAII         | 1 | 3333   |
| 39  | MOODY AFB FENCE LANE AT VALDOSTA GA    | GEORGIA        | 1 | 3250   |
| 40  | BERNPHIS TANK AT HOLLYWOOD FD AREA S   | TENNESSEE      | 1 | 3200   |
| 41  | PHENIX CITY STP AT PHENIX CITY AL      | ALABAMA        | 2 | 3196   |
| 42  | HANFORD LAKE/LOWER AREA COMPOSITE      | NEW JERSEY     | 1 | 3103   |
| 43  | SYLACAUGA FIVE POINTS STP AT SYLACA    | ALABAMA        | 1 | 3060   |
| 44  | DUNHAM STP AT DUNHAM NC TO ELLER       | SOUTH CAROLINA | 1 | 3060   |
| 45  | LAFALETTE STP AT LAFALETTE GA TO CH    | GEORGIA        | 1 | 3000   |
| 46  | TRION STP AT TRION GA TO CHATTOUGA     | GEORGIA        | 1 | 3000   |
| 47  | THOT PASTSIDE STP AT THOT AL TO WAL    | ALABAMA        | 1 | 2900   |
| 48  | NEUSE RIVER STP AT RALEIGH NC TO NE    | SOUTH CAROLINA | 1 | 2900   |
| 49  | HAWAIIAN BAY                           | HAWAII         | 1 | 2717   |
| 50  | GENIVA STP AT GENIVA AL TO PEA RIVER   | ALABAMA        | 1 | 2660   |
| 51  | LEEDS STP AT LEEDS AL TO LITTLE CAN    | ALABAMA        | 1 | 2530   |
| 52  | TALLADEGA STP NO 1 AT TALLADEGA AL     | ALABAMA        | 1 | 2520   |
| 53  | SHREVEPORT STP AT SHREVEPORT LA T      | TENNESSEE      | 1 | 2460   |
| 54  | HANNIBAN STP AT HANNIBAN TN TO CANE    | TENNESSEE      | 1 | 2310   |
| 55  | SHALLS VALLEY STP AT BIRMINGHAM AL     | ALABAMA        | 1 | 2310   |
| 56  | GILA RIVER AT GILLESPIE DAP            | ARIZONA        | 1 | 2232   |

TABLE A\_16. (Continued)

| UBS | LOC                                     | STATE              | N  | MEAN    |
|-----|-----------------------------------------|--------------------|----|---------|
| 57  | ATHENS STP NO 2 AT ATHENS GA TO FID     | GEORGIA            | 1  | 2210.00 |
| 58  | SAND CR OFF END SMALLIDGE ST; NEMTO     | MICHIGAN           | 2  | 2050.00 |
| 59  | ATHENS STP NO 1 AT ATHENS GA TO NUN     | GEORGIA            | 1  | 2040.00 |
| 60  | AUBURN SOUTHSIDE STP AT AUBURN AL       | ALABAMA            | 1  | 2040.00 |
| 61  | CLEMSON STP AT CLEMSON SC TO LAKE H     | SOUTH CAROLINA     | 1  | 2020.00 |
| 62  | ONT CREEK STP AT NASHVILLE TN TO LN     | TENNESSEE          | 1  | 2000.00 |
| 63  | ALAMO LAKE                              | ARIZONA            | 1  | 1971.00 |
| 64  | JACKSONVILLE STP AT JACKSONVILLE AL     | ALABAMA            | 1  | 1960.00 |
| 65  | HUNHOLT RIVER @ INLET                   | NEVADA             | 1  | 1857.00 |
| 66  | TUBA RIVER NEAR DAVISVILLE              | CALIFORNIA         | 1  | 1830.00 |
| 67  | KAHULUI HARBOR                          | HAWAII             | 1  | 1801.00 |
| 68  | AMERICAN R. AT ELMHART ST.              | CALIFORNIA         | 1  | 1750.00 |
| 69  | HUFFALO CR AT AMERICAN RIVER            | CALIFORNIA         | 1  | 1726.00 |
| 70  | CANSON R @ NEW BRIDGE                   | NEVADA             | 1  | 1714.00 |
| 71  | SALINAS RIVER AT GONZALES               | CALIFORNIA         | 1  | 1658.00 |
| 72  | BOULDER CREEK AT MOUNT                  | ARIZONA            | 1  | 1648.00 |
| 73  | CANSON R @ RIVERVIEW                    | NEVADA             | 1  | 1644.00 |
| 74  | OVERS @ BE TINEHANA RES.                | CALIFORNIA         | 1  | 1640.00 |
| 75  | SANTA ANA RIVER BELOW PRADO DAM         | CALIFORNIA         | 1  | 1631.00 |
| 76  | BOULDER CREEK ABOVE WILDER CREEK        | ARIZONA            | 1  | 1594.00 |
| 77  | AMERICAN R. ABOVE SUNNISE BR            | CALIFORNIA         | 1  | 1590.00 |
| 78  | AMERICAN R. AT WAITS AVE.               | CALIFORNIA         | 1  | 1590.00 |
| 79  | CUPPER CREEK @ BOULDER CREEK            | ARIZONA            | 1  | 1551.00 |
| 80  | LAKE TABOE AT SAND HARBOR               | NEVADA             | 1  | 1535.00 |
| 81  | NO LAUDERDALE STP AT NO LAUDERDALE      | FLORIDA            | 1  | 1500.00 |
| 82  | LAHONTAN DAM                            | NEVADA             | 1  | 1483.00 |
| 83  | WHITES CR STP AT NASHVILLE TN TO CU     | TENNESSEE          | 2  | 1470.00 |
| 84  | COLORADO RIVER BELOW PARKER DAM         | ARIZONA            | 1  | 1461.00 |
| 85  | GALESDEN EAST RIV STP AT GALESDEN AL    | ALABAMA            | 1  | 1450.00 |
| 86  | TOWN CREEK STP AT JASPER AL TO TOWN     | ALABAMA            | 1  | 1400.00 |
| 87  | COLORADO R. @ TUNA                      | ARIZONA            | 1  | 1349.00 |
| 88  | SAND CREEK AT TERRITORIAL RD; NEMTO     | MICHIGAN           | 1  | 1300.00 |
| 89  | PEARL HARBOR E. LOCK                    | HAWAII             | 1  | 1250.00 |
| 90  | ALA HAI CANAL                           | HAWAII             | 1  | 1250.00 |
| 91  | E. FORK OCHTEE RIVER @ OCHTEE           | NEVADA             | 1  | 1250.00 |
| 92  | ST JOE N WEST MILLSDALE WWTP; MILLSDALE | MICHIGAN           | 1  | 1110.00 |
| 93  | WALFSBORO STP AT WALFSBORO NC TO BR     | SOUTH CAROLINA     | 1  | 1090.00 |
| 94  | BAZIN 1                                 | ILLINOIS           | 11 | 1057.27 |
| 95  | TARBORO STP AT TARBORO NC TO TAR R1     | SOUTH CAROLINA     | 2  | 1005.00 |
| 96  | CANYON CR IN NW BASIN, HASTINGS IMP     | MICHIGAN           | 1  | 1000.00 |
| 97  | LONG CR IN CENT BASIN, HUFF TWP, SE     | MICHIGAN           | 1  | 1000.00 |
| 98  | PINE CR IN NE BASIN, PRAIRIEVILLE T     | MICHIGAN           | 1  | 1000.00 |
| 99  | BIG PONTAGE LAKE-SOUTH BASIN; DEPT      | MICHIGAN           | 1  | 1000.00 |
| 100 | PROSPECT C AT RMA LA NW SANATOGA CA     | CALIFORNIA         | 1  | 999.90  |
| 101 | ROOSEVELT LAKE SALT R. ANN              | ARIZONA            | 1  | 963.30  |
| 102 | DAVIS CR AT MILLER STREET; CONROCK      | ABLAHARZOU CO., RI | 1  | 900.00  |
| 103 | DAVIS CR AT OLSHIAL STREET; CONROCK     | MICHIGAN           | 1  | 910.00  |
| 104 | TORPKINSVILLE STP AT TORPKINSVILLE      | KENTUCKY           | 1  | 910.00  |
| 105 | JEFFERSON CITY STP AT JEFFERSON CITY    | TENNESSEE          | 1  | 900.00  |
| 106 | SOUTH RIVER - SHAKKING SHOALS           | GEORGIA            | 1  | 891.00  |
| 107 | LAKE CITY STP AT LAKE CITY SC TO LY     | SOUTH CAROLINA     | 1  | 870.00  |
| 108 | PLASITA CR AT HANFET AVE; CITY OF G     | MICHIGAN           | 1  | 830.00  |
| 109 | PAN PAN R @ T NORTH CHINE JI; HENJIA    | MICHIGAN           | 1  | 826.67  |
| 110 | KALINI STP AT KALINI, OAHU, HI          | HAWAII             | 0  | 826.14  |
| 111 | CHANGHUNG STP AT CHANGHUNG SC IL        | SOUTH CAROLINA     | 1  | 800.00  |
| 112 | L ER ANTIFARM CR NEAR WATERSBORO        | PENNSYLVANIA       | 1  | 800.00  |

TABLE A-16. (Continued)

| Obs | LOC                                   | STAT           | n  | MEAN    |
|-----|---------------------------------------|----------------|----|---------|
| 113 | FIVE MILE CR. STP AT BIRMINGHAM, AL   | ALABAMA        | 1  | 800.000 |
| 114 | LYNN LAKE                             | ARIZONA        | 1  | 786.100 |
| 115 | BRAT: PAVOU AT SCOTT STREET, AT HOV   | TEXAS          | 4  | 775.000 |
| 116 | MONTELUPE R. AT MONTELUPE             | CALIFORNIA     | 1  | 733.100 |
| 117 | TOULUMNE RIVER AT TOULUMNE CITY       | CALIFORNIA     | 1  | 653.400 |
| 118 | HELRONT STP-NAN PHIRANT SLUDGE, IN    | INDIANA        | 1  | 690.000 |
| 119 | BRAYS BAYOU AT HOUSTON, TEX.          | TEXAS          | 10 | 685.880 |
| 120 | BOWLING GREEN STP AT BOWLING GREEN    | KENTUCKY       | 1  | 680.000 |
| 121 | PATAGONIA LAKE                        | ARIZONA        | 1  | 651.000 |
| 122 | ALBENTVILLE EAST SIDE STP AT ALBENT   | ALABAMA        | 1  | 650.000 |
| 123 | FAKIA PL. AT STONEY MOUNT HAZARDOUS W | FLORIDA        | 1  | 650.000 |
| 124 | ALVARO R. IN CALIFORNIA               | CALIFORNIA     | 1  | 634.300 |
| 125 | SAN FRANCISCO M. AT CLIFTON           | ARIZONA        | 1  | 616.900 |
| 126 | PASSAIC RIVER NEAR CHATHAM NJ         | NW JERSEY      | 2  | 625.950 |
| 127 | LAKE MUMSON NEAR TALLAHASSEE, FLASIT  | FLORIDA        | 1  | 600.000 |
| 128 | MUNROE STP AT MUNROE NC TO RICHARDS   | NORTH CAROLINA | 1  | 600.000 |
| 129 | PASSAIC R. AT HANLISON NJ             | NW JERSEY      | 2  | 594.950 |
| 130 | GORDON RIVER AT MAPLES, FLA           | FLORIDA        | 3  | 584.613 |
| 131 | WHICKHOUSE GULLY AT COSTA MICA ST.    | TEXAS          | 4  | 587.500 |
| 132 | HOUSTON SHIP CHANNEL AT TING ESN      | TEXAS          | 1  | 587.000 |
| 133 | POMERANO CA AT POMERANO BEACH FLA     | FLORIDA        | 3  | 573.267 |
| 134 | HUNTING BAYOU AT I-H CIO HOUSTON, T   | TEXAS          | 1  | 559.900 |
| 135 | SENE BAYOU AT HOUSTON, TEX.           | TEXAS          | 3  | 556.667 |
| 136 | ST JOE A UPST HILLSDALE SHIP; HILLS   | MICHIGAN       | 1  | 540.000 |
| 137 | LOWER OVERPEL LAKE/SURFACE COMPOST    | NW JERSEY      | 1  | 536.900 |
| 138 | OTHER WATERS IN LUNHUCK               | TEXAS          | 1  | 535.600 |
| 139 | CHADAN STP AT CHADAN NC TO TOWN HHA   | NORTH CAROLINA | 1  | 530.000 |
| 140 | SHELDONHART R. AT QUAKEN RIDGE RD NEW | NEW YORK       | 1  | 530.000 |
| 141 | WAILALE STREAM AT WAILAHU, OAHU, HI   | HAWAII         | 2  | 517.700 |
| 142 | HACKENSACK R. AT HACKENSACK NJ        | NW JERSEY      | 2  | 514.950 |
| 143 | TRINITY R. AT BELT LINE RD            | TEXAS          | 1  | 510.000 |
| 144 | ROCA SLOUGH AT DELTA RD BRIDGE        | CALIFORNIA     | 1  | 500.000 |
| 145 | SAN JOAQUIN R. AT SANTOCH HAMP        | CALIFORNIA     | 1  | 500.000 |
| 146 | REL RIVER AT RIO DELL, DAVIS STREET   | CALIFORNIA     | 1  | 500.000 |
| 147 | LAS VEGAS WASH AT NORTH MOUNT ROAD    | NEVADA         | 1  | 500.000 |
| 148 | CALLVILLE FAY LAKE HEAD               | NEVADA         | 1  | 500.000 |
| 149 | LAS VEGAS FAY LAKE HEAD               | NEVADA         | 1  | 500.000 |
| 150 | LAKE PILLSBURY NEAR SCOTT I. DAN      | CALIFORNIA     | 1  | 500.000 |
| 151 | SAN JOAQUIN RIVER AT STANTISLAUS CO.  | CALIFORNIA     | 1  | 500.000 |
| 152 | LAKE MENLOUCINO AT HWY 20 BRIDGE      | CALIFORNIA     | 1  | 500.000 |
| 153 | RUSSIAN RIVER AT UNION TREATMENT PL   | CALIFORNIA     | 1  | 500.000 |
| 154 | RUSSIAN RIVER - MOUNT RIO             | CALIFORNIA     | 1  | 500.000 |
| 155 | RAO RIVER AT ESSEX LAKE               | CALIFORNIA     | 1  | 500.000 |
| 156 | THUCKLE RIVER AT FANAL                | CALIFORNIA     | 1  | 500.000 |
| 157 | THUCKLE RIVER AT LOCKWOOD             | NEVADA         | 1  | 500.000 |
| 158 | SANTA CRUZ HELON HUGHES HUAL WASTE W  | ARIZONA        | 1  | 500.000 |
| 159 | BRANAN'S CR. BELOW STP                | VIRGINIA       | 1  | 500.000 |
| 160 | L. FLACK CND EVANSTON MD; MUSKELON    | MICHIGAN       | 1  | 500.000 |
| 161 | LITTLE PEAK CR. AT MUSSEL RD; DARTO   | MICHIGAN       | 1  | 500.000 |
| 162 | LITTLE PEAK CR. RIVER RD; DARTON T    | MICHIGAN       | 1  | 500.000 |
| 163 | LITTLE PEAK CR. AT GILES RD; MUSKIG   | MICHIGAN       | 1  | 500.000 |
| 164 | BERNARD'S TRAP AT HOLLYWOOD RD AREA S | TENNESSEE      | 1  | 460.000 |
| 165 | TRINITY RIVER FLEMING DALLAS, TEX.    | TEXAS          | 4  | 444.977 |
| 166 | CHATTANOOGHE RIVER AT LACRAMONT NAT   | GEORGIA        | 1  | 441.000 |
| 167 | TRINITY RIVER NEAR HUSSEN, TEXAS      | TEXAS          | 1  | 439.900 |
| 168 | DIX PLAINES RIVER AT FOCKDALE, IL     | ILLINOIS       | 1  | 430.000 |

TABLE A-16. (Continued)

| ONS | LOC                                  | STATE          | N | MIAN    |
|-----|--------------------------------------|----------------|---|---------|
| 169 | BAZELWOOD STP AT WAYNESVILLE NC TO   | NORTH CAROLINA | 1 | 436.000 |
| 170 | ARTISTAN C AT HAZENSTOWN, ND         | PARTLAND       | 1 | 429.900 |
| 171 | PLANTATION CA @ NW 65TH AVE PLANTAT  | FLORIDA        | 2 | 414.950 |
| 172 | LITTLE ARKANSAS R AT WIND ST         | KANSAS         | 1 | 400.000 |
| 173 | HIG BLUE R. @ NEW CASTLE, IN         | INDIANA        | 1 | 400.000 |
| 174 | LR (CHENUNG IN CENTRAL BASIN); GENOA | MICHIGAN       | 1 | 400.000 |
| 175 | ONE LAKE IN WEST BASIN; HARBURG IN   | MICHIGAN       | 1 | 400.000 |
| 176 | WOODLAND LR-SOUTHEAST BASIN; BRIGHT  | MICHIGAN       | 1 | 400.000 |
| 177 | N RIVER CANAL BL HGS-4 NW SOUTH      | FLORIDA        | 1 | 399.900 |
| 178 | ST JOSEPH R @ WTP SERV DR IN; HILLS  | MICHIGAN       | 1 | 390.000 |
| 179 | HUFFALO BAYOU AT HOU-TON, TX         | TEXAS          | 1 | 389.900 |
| 180 | BERRY BAYOU AT FURST CARS ST. AT N   | TEXAS          | 1 | 389.900 |
| 181 | ASSUMPTION CREEK AT TRENTON NJ       | NEW JERSEY     | 1 | 380.000 |
| 182 | COLORADO R-ABOVE TIDAL-TOWN LAKE @   | TEXAS          | 1 | 380.000 |
| 183 | PLANTATION ND CA AT S-33 NW PT LAUD  | FLORIDA        | 1 | 379.900 |
| 184 | WELGANS BAYOU AT BOARD ROAD NEAR HO  | TEXAS          | 1 | 379.900 |
| 185 | PAY PAN R AT END OF CHANAM ST. IN N  | PENNSYLVANIA   | 1 | 370.000 |
| 186 | SIRS BAYOU AT HIRAN CLARK ST., HOU   | TEXAS          | 2 | 369.950 |
| 187 | BEAR CREEK AT ST. PETERSBURG, FLA.   | FLORIDA        | 1 | 360.000 |
| 188 | WIVANNA RIVER                        | VIRGINIA       | 1 | 360.000 |
| 189 | STANOMY C @ NORTH BASIN WTP; VEVAY   | MICHIGAN       | 1 | 350.000 |
| 190 | HANASQUAN RIVER AT SQUANNUH NJ       | NEW JERSEY     | 1 | 349.900 |
| 191 | LAKE LANIER AT INFLU OF FLAT CREEK   | GEORGIA        | 1 | 343.800 |
| 192 | HOU SHIP CHANNEL-COMP N SIRS BAY     | TEXAS          | 1 | 335.000 |

TABLE A-17. FRESHWATER REGIONS CONTAINING ELEVATED SEDIMENT LEVELS OF DDT.  
CONCENTRATIONS ARE IN  $\mu\text{g/kg}$ .

| UHS | LOC                                   | STATE        | N | MEAN   |
|-----|---------------------------------------|--------------|---|--------|
| 1   | FCD STATION LOK 9 ON LAKE ORLECHON    | FLORIDA      | 1 | 110000 |
| 2   | ESCANABA RIVER UPSTREAM 0.1 MI.       | MICHIGAN     | 1 | 17400  |
| 3   | FCD STATION LOK 8 ON LAKE ORLECHON    | FLORIDA      | 1 | 15000  |
| 4   | FCD STATION LOK 3 ON LAKE ORLECHON    | FLORIDA      | 1 | 7400   |
| 5   | DELFONT STP-- GRIFSE PIT, INDIAN      | INDIANA      | 1 | 3700   |
| 6   | FCD STATION LOK 4 ON LAKE ORLECHON    | FLORIDA      | 1 | 2200   |
| 7   | STANDBRIDGE LAKE/LOWER LAKE COMPOS    | NEW JERSEY   | 1 | 2120   |
| 8   | BILL CR AT MANAHAWITH NJ              | NEW JERSEY   | 1 | 1900   |
| 9   | SHAKE RIVER AT MISSA, OK              | OKLAHOMA     | 1 | 1759   |
| 10  | ANTIETAM C AT HAGERSTOWN, MD          | MARYLAND     | 2 | 1420   |
| 11  | BLACKWATER RIVER                      | MAINE        | 1 | 1300   |
| 12  | LITTLE WHITEOAK BATON AT HOUSTON, TX  | TEXAS        | 1 | 1195   |
| 13  | STUNGROD RIVER UPSTREAM 0.25 MI.      | MICHIGAN     | 1 | 960    |
| 14  | BEAVER POND BROOK                     | MAINE        | 1 | 905    |
| 15  | CON AREA NO 1 BELOW S-5A NB LOUISIANA | FLORIDA      | 1 | 860    |
| 16  | BEAVER POND BROOK                     | MAINE        | 1 | 815    |
| 17  | BECK'S B AT ALTO AT HWY 69 BRIDGE     | TEXAS        | 2 | 773    |
| 18  | EAST BRANCH BASS RIVER NEAR NEW GLE   | NEW JERSEY   | 1 | 690    |
| 19  | SULPHUR RIVER NB TALCO, TEX.          | TEXAS        | 2 | 677    |
| 20  | SHIELDS BROOK                         | MAINE        | 1 | 605    |
| 21  | SQUANKUM B AT MALAGA RD NB WILLIAMS   | NEW JERSEY   | 2 | 600    |
| 22  | E NB ANTIETAM CR NEAR WAYNESBORO      | PENNSYLVANIA | 1 | 500    |
| 23  | LEON CR AT PRIVATE RD OFF QUINCY      | TEXAS        | 2 | 464    |
| 24  | BAYOU BARTHOLOMEW NEAR MCGHEE, ARK    | ARKANSAS     | 1 | 450    |
| 25  | E-ZE CANAL AT CLINT MCONA RD NB HOL   | FLORIDA      | 1 | 420    |
| 26  | TRINITY R AT BELT LINE RD             | TEXAS        | 1 | 400    |
| 27  | COLORADO R-ABOVE TIDAL-TOMB LAKE @    | TEXAS        | 1 | 380    |
| 28  | FLINT R. 0.6 MI DOWN FROM STATE DUCK  | GEORGIA      | 1 | 364    |
| 29  | CHATTANOOGHEE RIVER DOWNSTREAM OF U   | GEORGIA      | 1 | 293    |
| 30  | WHITEPICK R. UPSTREAM 0.50 MI         | MICHIGAN     | 1 | 280    |
| 31  | OUACHITA RIVER AT BOHAR, LA.          | LOUISIANA    | 1 | 260    |
| 32  | WHIPPOY RIVER AT MUMFISTOWN NJ        | NEW JERSEY   | 1 | 220    |
| 33  | STONY BR ALEXANDER RD AT PRINCETON    | NEW JERSEY   | 1 | 210    |
| 34  | TOMS R AT TONS R NJ                   | NEW JERSEY   | 1 | 200    |
| 35  | BECK BATON NEAR HUGHES, ARK.          | ARKANSAS     | 1 | 200    |
| 36  | BRAYS BATON AT SCOTT STREET, AT HOU   | TEXAS        | 2 | 196    |
| 37  | ANTIETAM C BL HAGERSTOWN, MD          | MARYLAND     | 1 | 190    |
| 38  | MUNTING BATON FALLS ST HOUSTON TX     | TEXAS        | 4 | 189    |
| 39  | BETHEL LAKE/SUNFAC COMPOSITE          | NEW JERSEY   | 1 | 165    |
| 40  | SCHUYLKILL RIVER AT PHILADELPHIA, P   | PENNSYLVANIA | 1 | 160    |
| 41  | STEELING BROOK                        | MAINE        | 1 | 170    |
| 42  | LINCOLN PARK/UPPER LAKE COMPOSITE S   | NEW JERSEY   | 1 | 171    |
| 43  | ST. CHARLES RD NB                     | ILLINOIS     | 1 | 170    |
| 44  | MIU GRANDE 7.8 MI UPSTREAM MIU CONC   | TEXAS        | 1 | 170    |
| 45  | 100 HILLSBORO CA AB SIG NB ANDYTON    | FLORIDA      | 1 | 170    |
| 46  | MCDONALD'S BRANCH IN LEHANN STATE P   | NEW JERSEY   | 1 | 160    |
| 47  | 100 N FORK NEEB R FROM BLVD AT FT LA  | FLORIDA      | 1 | 160    |
| 48  | GREAT EGG HARBOR R NB SICKLEVILLE     | NEW JERSEY   | 1 | 157    |
| 49  | VIOLETTE CREEK                        | MAINE        | 1 | 150    |
| 50  | BUCKLEBUSH BROOK                      | MAINE        | 1 | 150    |
| 51  | UNCLCUB STREAM                        | MAINE        | 1 | 145    |
| 52  | WEST BRANCH BEAVER BROOK              | MAINE        | 1 | 147    |
| 53  | HARFINGTON LAKE/LOWER AREA COMPOSITE  | NEW JERSEY   | 1 | 147    |
| 54  | INDLAYTON LAKE/SUNFAC COMPOSITE       | NEW JERSEY   | 1 | 146    |
| 55  | MUMFISTOWN LAKE NEAR HUGHES, TX.      | ARKANSAS     | 1 | 140    |
| 56  | HILLSBORO CANAL AT US 441 AT TRENTO   | FLORIDA      | 1 | 140    |

TABLE A-17. (Continued)

| Obs | Loc                                   | State          | N | Mean    |
|-----|---------------------------------------|----------------|---|---------|
| 57  | SMITH BROOK                           | MAINE          | 1 | 139.000 |
| 58  | OFF LAPHAM PT AT IFC OUTFALL TOXIC    | VERMONT        | 1 | 130.000 |
| 59  | WESTCROFT CA AT WEST CREEK NJ         | NEW JERSEY     | 1 | 130.000 |
| 60  | HAMMONTON CREEK AT WESCOATVILLE NJ    | NEW JERSEY     | 1 | 130.000 |
| 61  | BASIN 1                               | ILLINOIS       | 2 | 136.000 |
| 62  | N FORK OF TRINITY R AT DALLAS, A      | TEXAS          | 1 | 127.000 |
| 63  | 106 N NEW R CA AB HOL LAF AB AT LAU   | FLORIDA        | 3 | 126.567 |
| 64  | LINCOLN PARK/CENTIN LARK COMPOSITE    | NEW JERSEY     | 1 | 121.700 |
| 65  | CROSSWICKS C AT GROVEVILLE NJ         | NEW JERSEY     | 1 | 120.000 |
| 66  | DELAWARE RIVER AT CHESTER PA          | PENNSYLVANIA   | 1 | 120.000 |
| 67  | 106 HILLSBORO CA AT KILGARY HL IN OH  | FLORIDA        | 1 | 120.000 |
| 68  | LAKE TUSCALOOSA AT HILLTOP ESTATES    | ALABAMA        | 1 | 120.000 |
| 69  | SHILBANE R AT QUAREN BRIDGE RD NEW    | NEW YORK       | 1 | 120.000 |
| 70  | CARIUS DRIVE BRIDGE                   | CALIFORNIA     | 3 | 116.667 |
| 71  | STHEPIL ANN @ MITCHELLA HL NICH LI    | INDIANA        | 2 | 116.000 |
| 72  | CELANA RIVER 0.20 MILE UPSTREAM       | MICHIGAN       | 1 | 112.000 |
| 73  | CHOCOLATE BAYOU NE PONT LAVACA, TEX   | TEXAS          | 4 | 110.720 |
| 74  | L'ANGUILLE RIVER NH COLT, ARK.        | ARKANSAS       | 1 | 110.000 |
| 75  | PROSPECT C AT MBA 10 IN SABATUGA CA   | CALIFORNIA     | 1 | 109.900 |
| 76  | FOURMILE BROOK                        | MAINE          | 1 | 109.000 |
| 77  | MOSQUITO BROOK                        | MAINE          | 1 | 107.600 |
| 78  | NUD BROOK                             | MAINE          | 1 | 105.000 |
| 79  | EAST BAY @ AT TAMPA, FLA MA           | FLORIDA        | 1 | 104.900 |
| 80  | EL CAMPO - BR ON SH 71                | TEXAS          | 2 | 102.000 |
| 81  | LITTLE GODDARD BROOK                  | MAINE          | 1 | 101.000 |
| 82  | LAKE PROVIDENCE MOUTH OF LAKE PHUV    | LOUISIANA      | 3 | 100.333 |
| 83  | AT BACK BAY DRIVE BRIDGE              | CALIFORNIA     | 1 | 100.000 |
| 84  | CHACKEN JACK SLOUGH UNATNAGE CUL      | FLORIDA        | 1 | 100.000 |
| 85  | LITTLE RIVER AT US AT 441 IN MILLED   | GEORGIA        | 1 | 99.990  |
| 86  | PEQUEA CREEK TRIBUTARY NEAR STRASBU   | PENNSYLVANIA   | 1 | 97.000  |
| 87  | LAKE PROVIDENCE AT LAKE PROVIDENCE,   | LOUISIANA      | 1 | 97.000  |
| 88  | OTTEN BROOK                           | MAINE          | 1 | 96.500  |
| 89  | TUCKERTON CREEK AT TUCKERTON NJ       | NEW JERSEY     | 1 | 94.000  |
| 90  | MAIN DITCH FLAT BAYOU NEAR ALTH       | ARKANSAS       | 1 | 94.000  |
| 91  | BIG CREEK NEAR IOPIAN CROVE, ARK.     | ARKANSAS       | 1 | 93.627  |
| 92  | VERMILION R. (BAYOU VERMILION) NE. CA | LOUISIANA      | 1 | 93.000  |
| 93  | BRICKHOUSE CULLY AT COSTA MICA ST.,   | TEXAS          | 6 | 92.832  |
| 94  | HILLSTONE RIVER AT BLACKWELLS HILLS   | NEW JERSEY     | 1 | 92.000  |
| 95  | HUNTING BAYOU AT I-H 610 HOUSTON, T   | TEXAS          | 3 | 91.967  |
| 96  | BROAD RIVER @ US HWY 221A IN CLIFFS   | NORTH CAROLINA | 1 | 90.000  |
| 97  | RAW RIVER NEAR SARAPAHAM NC           | NORTH CAROLINA | 1 | 90.000  |
| 98  | CAPE PEAN RIVER AT LILLINGTON NC CO   | NORTH CAROLINA | 1 | 90.000  |
| 99  | WILSON CREEK NEAR GRACE NC            | NORTH CAROLINA | 1 | 90.000  |
| 100 | CATAWBA RIVER @ S BELMONT - CROSS R   | NORTH CAROLINA | 1 | 90.000  |
| 101 | SUGAR CREEK NEAR FIGHT HILL, NC       | NORTH CAROLINA | 1 | 90.000  |
| 102 | FRINCH BROOK @ DASHVILLE NC CROSS     | NORTH CAROLINA | 1 | 90.000  |
| 103 | FRINCH BROOK RIVER AT DASHVILLE       | NORTH CAROLINA | 1 | 90.000  |
| 104 | CATALDOCHIFF CREEK NEAR CATALDOCHIFF  | NORTH CAROLINA | 1 | 90.000  |
| 105 | KIGRON RIVER AT WALEYVILLE NC         | NORTH CAROLINA | 2 | 90.000  |
| 106 | MOLICHUCKY R AT POPLAR NC             | NORTH CAROLINA | 1 | 90.000  |
| 107 | HIMMELSEE RIVER AT HIMMELSEE DAM, NC  | NORTH CAROLINA | 1 | 90.000  |
| 108 | LITTLE TENNESSEE RIVER AT TAPUDO NC   | NORTH CAROLINA | 1 | 90.000  |
| 109 | ELCADDAS RIVER AT PINEHAY NC          | NORTH CAROLINA | 1 | 90.000  |
| 110 | WUPE R IN CLAYTON NC                  | NORTH CAROLINA | 1 | 90.000  |
| 111 | NEW RIVER AT ARELLA NC                | NORTH CAROLINA | 1 | 90.000  |
| 112 | WATFUGA RIVER NEAR LOGAN CROVE NC     | NORTH CAROLINA | 1 | 90.000  |

TABLE A-17. (Continued)

| NO. | LOC                                  | STATE          | N | MEAN    |
|-----|--------------------------------------|----------------|---|---------|
| 111 | DAN RIVER NEAR MATFIELD, NC          | NORTH CAROLINA | 1 | 90.0000 |
| 114 | MOANOKE RIVER NEAR SCOTLAND NECK, N  | NORTH CAROLINA | 1 | 90.0000 |
| 115 | MOANOKE RIVER AT SANDS SOUND NC      | NORTH CAROLINA | 1 | 90.0000 |
| 116 | TAR RIVER AT TARBORO NC              | NORTH CAROLINA | 1 | 90.0000 |
| 117 | BATH CREEK # NC HWY 92 NEAR BATH NC  | NORTH CAROLINA | 1 | 90.0000 |
| 118 | PARTICO SOUND AT GREAT ISLAND, NC    | NORTH CAROLINA | 1 | 90.0000 |
| 119 | BOQUE SOUND AT EMERALD ISLE NC       | NORTH CAROLINA | 1 | 90.0000 |
| 120 | TADKIN R AT TADKIN COLLEGE           | NORTH CAROLINA | 1 | 90.0000 |
| 121 | SULPHUR CR WASTEWAY NB SUNNYSIDE WA  | WASHINGTON     | 1 | 90.0000 |
| 122 | SQUAM SWAMP BROOK AT LAUNHLET RD, N  | MASSACHUSETTS  | 1 | 90.0000 |
| 123 | CLINCH RIVER                         | VIRGINIA       | 1 | 90.0000 |
| 124 | BAYOU TACHE AT ANNAUDVILLE, LA.      | LOUISIANA      | 1 | 86.0000 |
| 125 | BLACK BROOK                          | MAINE          | 2 | 85.5000 |
| 126 | PELAN BROOK AT NATICK, MA            | MASSACHUSETTS  | 1 | 85.0000 |
| 127 | YERRILLION RIVER AT SH 1073 AT LAFAI | LOUISIANA      | 1 | 81.0000 |
| 128 | SOUTH BRANCH OTTER BROOK             | MAINE          | 1 | 80.0000 |
| 129 | MOU SHIP CHANNEL-COMP W GREENS N     | TEXAS          | 2 | 78.6500 |
| 130 | CRYSTAL L SITE 1 2800 FT W OF E BCH  | ILLINOIS       | 2 | 78.0000 |
| 131 | CRYSTAL L SITE 2 200 FT BEFORE SH P  | ILLINOIS       | 1 | 78.0000 |
| 132 | COLORADO RIVER AT HASTROP            | TEXAS          | 1 | 77.5000 |
| 133 | LEON CREEK AT SH 13                  | TEXAS          | 1 | 77.0000 |
| 134 | IRVING AVENUE BRIDGE                 | CALIFORNIA     | 2 | 75.0000 |
| 135 | BIG SUNFLOWER RIVER AT CLARKSDALE    | MISSISSIPPI    | 1 | 74.0000 |
| 136 | NORTH CANADIAN RIVER AT WOODWARD     | OKLAHOMA       | 1 | 74.0000 |
| 137 | NEXT PALM BEACH L HWY 5-5A, NN LUXA  | FLORIDA        | 2 | 73.0000 |
| 138 | SAN ANTONIO RIVER NB ELLENBORO, TEX  | TEXAS          | 1 | 71.0000 |
| 139 | SCALE ONE SHARP BEAK BISHOPVILLE, SC | SOUTH CAROLINA | 2 | 67.4950 |
| 140 | BRAZOS R AT WASHINGTON AT US 90      | TEXAS          | 1 | 67.0000 |
| 141 | CYPRESS CREEK C AT 5-17A, NN POMPA   | FLORIDA        | 1 | 66.9900 |
| 142 | SHAKE BROOK AT WAYLAND, MA           | MASSACHUSETTS  | 1 | 65.0000 |
| 143 | DAVIDSON'S BILL POND/LOWER AREA SURF | NEW JERSEY     | 1 | 64.5700 |
| 144 | BOUEF RIVER NEAR FT. NECESSITY       | LOUISIANA      | 2 | 64.5000 |
| 145 | BLUE RIVER NEAR CUMBERVILLE (CONTO   | OKLAHOMA       | 1 | 64.0000 |
| 146 | BRAYS BAYOU AT HOUSTON, TEX.         | TEXAS          | 3 | 63.6600 |
| 147 | SUSQUEHANNA R AT COLUMBIA, PA.       | PENNSYLVANIA   | 1 | 63.0000 |
| 148 | G DRAIN NB ALAMO RIVER               | CALIFORNIA     | 1 | 63.0000 |
| 149 | WAIKOLE STREAM AT WAIKAPU, OAHU, HA  | HAWAII         | 2 | 62.5000 |
| 150 | AT US 271                            | TEXAS          | 1 | 62.0000 |
| 151 | WICHITSA CR. # HYST READING PA       | PENNSYLVANIA   | 1 | 61.9900 |
| 152 | BIG CREEK AT POPLAR GROVE, ARK.      | ARKANSAS       | 1 | 61.4900 |
| 153 | SPRING LAKE CONT                     | NEW JERSEY     | 1 | 61.0000 |
| 154 | ADAMS BAYOU AT 181006 IN ORANGE      | TEXAS          | 1 | 60.0000 |
| 155 | BIRCHEN RIVER NEAR BIG CROOK         | CALIFORNIA     | 1 | 60.0000 |
| 156 | CLIFAN CREEK-ABOVE TIDAL # FB 2551   | TEXAS          | 1 | 60.0000 |
| 157 | CARNEGIE CR AT BOATHOUSE AT FAIRCHET | NEW JERSEY     | 2 | 59.9900 |
| 158 | PASSAIC RIVER NEAR MILLINGTON NJ     | NEW JERSEY     | 1 | 59.0000 |
| 159 | SIMS BAYOU AT NICHOL CLARK ST., MOU  | TEXAS          | 1 | 57.9900 |
| 160 | 108 N YORK NEW RIVER AT FT LAUDERDA  | FLORIDA        | 1 | 57.9900 |
| 161 | BUFFALO BAYOU AT HOUSTON, TEX.       | TEXAS          | 1 | 57.0000 |
| 162 | 108 GOLDEN GATE TRIP CA NB MAPLES P  | FLORIDA        | 1 | 56.0000 |
| 163 | DOCTORS CREEK AT ALLEDSTOWN NJ       | NEW JERSEY     | 1 | 55.0000 |
| 164 | NB PENNSAUKEN CREEK NB MOU, PISTON N | NEW JERSEY     | 1 | 55.0000 |
| 165 | DID 16 DRAIN AT SUNNYSIDE WASH       | WASHINGTON     | 1 | 55.0000 |
| 166 | PONTON R AT PACMANACK LAKE NJ        | NEW JERSEY     | 1 | 54.0000 |
| 167 | CROSSWICKS CR AT ROCKAFIN RD NB COU  | NEW JERSEY     | 1 | 54.0000 |
| 168 | SAUGATUCK R NB BRIDING, CT           | CONNECTICUT    | 1 | 53.5900 |

TABLE A-17. (Continued)

| Obs | LOC                                  | STATE         | N | MEAN    |
|-----|--------------------------------------|---------------|---|---------|
| 169 | ANTITAM C NR SHANISBURY, MD          | MARYLAND      | 1 | 53.4900 |
| 170 | 101 CA-13 FREDER CA AT 10TH AVE ST   | FLORIDA       | 1 | 53.4900 |
| 171 | ALLGHEMY R AT NPA KENSINGTON, PA.    | PENNSYLVANIA  | 1 | 53.0000 |
| 172 | CEDAR BATOU ABOVE CEDAR BATOU JN MI  | TEXAS         | 1 | 53.0000 |
| 173 | MILLBROOK SWAMP DAM, BARTHOLOME LA.  | MASSACHUSETTS | 1 | 53.0000 |
| 174 | VERONA LAKE/LOWER COMPOSITE SURFACE  | NEW JERSEY    | 1 | 52.8900 |
| 175 | YELLUM BA AT COLTS NECK NJ           | NEW JERSEY    | 1 | 52.0000 |
| 176 | COOPER R AT CAMDEN NJ                | NEW JERSEY    | 1 | 52.0000 |
| 177 | BATOU RACON NEAR MILBOURN, LOUISIA   | LOUISIANA     | 1 | 52.0000 |
| 178 | BATOU COURTABIEAU AT WASHINGTON, LA  | LOUISIANA     | 1 | 52.0000 |
| 179 | LEAL BATOU NEAR BOYLE, MISS.         | MISSISSIPPI   | 1 | 51.0000 |
| 180 | OTHER WATERS IN LOUPOCA              | TEXAS         | 1 | 51.0000 |
| 181 | MIDCHANNEL NORTH OF BAY ISLE         | CALIFORNIA    | 1 | 50.0000 |
| 182 | MIDCHANNEL, EAST OF 28TH STREET      | CALIFORNIA    | 1 | 50.0000 |
| 183 | MIDBASIN E OF NEWPORT BRIDGE         | CALIFORNIA    | 1 | 50.0000 |
| 184 | 4000 FT BELOW EAST CREEK HIGHLAND TO | VERMONT       | 1 | 50.0000 |
| 185 | THIRTY N @ 5H 34 5H 0) BUSSEY IN FT  | TEXAS         | 1 | 50.0000 |
| 186 | TRINITY P 50 LOOP SH12 B/DALLAS      | TEXAS         | 1 | 50.0000 |
| 187 | CHATTANOOCHEE RIVER AT CA RBY 92     | GEORGIA       | 1 | 50.0000 |
| 188 | 106 FIRST ST DRAIN DITCH MIAMI INT   | FLORIDA       | 1 | 50.0000 |
| 189 | BUNGAN CK, NEAR MOUTH                | VIRGINIA      | 1 | 49.9900 |
| 190 | CHEMISTONE CK                        | VIRGINIA      | 1 | 49.9900 |
| 191 | SAN JOSE LAGOON NO 3 AT SAN JUAN,    | PUEERTO RICO  | 1 | 49.9900 |
| 192 | CEDAR BATOU AT CINT ROAD OFF FROM I  | TEXAS         | 2 | 49.2500 |
| 193 | NOU SHIP CHANNEL-COMP W SIMS NAT     | TEXAS         | 1 | 49.1500 |
| 194 | LOWER ECHO LAKE/SURFACE COMPOSITE    | NEW JERSEY    | 1 | 48.0400 |
| 195 | SOUTH RIVER - SHAPPING SHOALS        | GEORGIA       | 1 | 48.0000 |
| 196 | POMPTON R AT TWO BRIDGES NJ          | NEW JERSEY    | 2 | 47.9900 |
| 197 | VILLAGE CREEK NR NEWPORT, ARK.       | ARKANSAS      | 1 | 47.9900 |
| 198 | BATOU RPTO NEAR LUDORE, ARK.         | ARKANSAS      | 1 | 47.9900 |
| 199 | MANAQUE R AT MANAQUE NJ              | NEW JERSEY    | 1 | 47.0000 |
| 200 | B FNR DFL AT FNR BNAZUS 3 AT HBUO U  | TEXAS         | 1 | 47.0000 |
| 201 | FCD STATION LOK 6 ON LAKE CREECHORE  | FLORIDA       | 1 | 47.0000 |
| 202 | PASSAIC RIVER NEAR CHATHAM NJ        | NEW JERSEY    | 1 | 46.9900 |
| 203 | DELAWARE RIVER AT PALMYRA NJ         | NEW JERSEY    | 1 | 45.0000 |
| 204 | POMNOU RIVER AT OUTLET OF GREAT P.   | NEW HAMPSHIRE | 1 | 44.0000 |

TABLE A-18. FRESHWATER REGIONS CONTAINING ELEVATED SEDIMENT LEVELS OF HEPTACHLOR.  
CONCENTRATIONS ARE IN  $\mu\text{g/kg}$ .

| NO. | LOC                                    | STATE      | N | MEAN    |
|-----|----------------------------------------|------------|---|---------|
| 1   | HILO LAY                               | HAWAII     | 1 | 3335.00 |
| 2   | MAHILINILI BAY                         | HAWAII     | 1 | 2717.00 |
| 3   | ALAPO LAKE                             | ARIZONA    | 1 | 1971.00 |
| 4   | HUMBOLDT RIVER @ INLAY                 | NEVADA     | 1 | 1857.00 |
| 5   | YUMA RIVER NEAR KANTSVILLE             | CALIFORNIA | 1 | 1830.00 |
| 6   | AMERICAN R. AT ELIZABETH ST.           | CALIFORNIA | 1 | 1750.00 |
| 7   | BUFFALO CR AT AMERICAN RIVER           | CALIFORNIA | 1 | 1726.00 |
| 8   | SALINAS RIVER AT GONZALES              | CALIFORNIA | 1 | 1698.00 |
| 9   | BOULDER CREEK AT MCUTCH                | ARIZONA    | 1 | 1648.00 |
| 10  | CANSON R. @ RIVINGTON                  | NEVADA     | 1 | 1664.00 |
| 11  | OVERS R. @ TIDEWATER MFS.              | CALIFORNIA | 1 | 1640.00 |
| 12  | SANTA ANA RIVER BELOW PHADO DAM        | CALIFORNIA | 1 | 1637.00 |
| 13  | BOULDER CREEK ABOVE WILSON CREEK       | ARIZONA    | 1 | 1594.00 |
| 14  | AMERICAN R. ABOVE SUMMIT BR            | CALIFORNIA | 1 | 1590.00 |
| 15  | AMERICAN R. AT WATTS AVE.              | CALIFORNIA | 1 | 1590.00 |
| 16  | COFFEE CREEK @ BOULDER CREEK           | ARIZONA    | 1 | 1551.00 |
| 17  | LAHONTAN DAM                           | NEVADA     | 1 | 1463.00 |
| 18  | COLORADO RIVER BELOW PARKER DAM        | ARIZONA    | 1 | 1461.00 |
| 19  | COLORADO R. @ YUMA                     | ARIZONA    | 1 | 1399.00 |
| 20  | PEARL HARBOR P. LOCK                   | HAWAII     | 1 | 1250.00 |
| 21  | ALA WAI CANAL                          | HAWAII     | 1 | 1250.00 |
| 22  | E. FORK OMYHAE RIVER @ OMYHAE          | NEVADA     | 1 | 1250.00 |
| 23  | GILA RIVER AT GILLESPIE DAM            | ARIZONA    | 2 | 1132.00 |
| 24  | INDIANA HARBOR                         | INDIANA    | 1 | 1000.00 |
| 25  | MAHULUI HARBOR                         | HAWAII     | 2 | 917.00  |
| 26  | CANSON R. @ NEW RAPIDS                 | NEVADA     | 2 | 892.00  |
| 27  | LAKE TAHOE AT SAND HARBOR              | NEVADA     | 2 | 862.00  |
| 28  | LYNN LAKE                              | ARIZONA    | 1 | 766.10  |
| 29  | MOOREHEAD R. AT WOODBRIDGE             | CALIFORNIA | 1 | 733.10  |
| 30  | INDIANA HARBOR                         | INDIANA    | 1 | 700.00  |
| 31  | TUOLUMNE RIVER AT TUOLUMNE CITY        | CALIFORNIA | 1 | 693.40  |
| 32  | PATAGONIA LAKE                         | ARIZONA    | 1 | 651.00  |
| 33  | ALAMO R. @ CALIPATHIA                  | CALIFORNIA | 1 | 639.50  |
| 34  | SAN FRANCISCO R. AT CLINTON            | ARIZONA    | 1 | 636.90  |
| 35  | ROOSEVELT LAKE SALT M. ARM             | ARIZONA    | 2 | 521.15  |
| 36  | ROCK SLOUGH AT DELTA RD BRIDGE         | CALIFORNIA | 1 | 500.00  |
| 37  | SAN JOAQUIN R. AT ANTIUCH HARB         | CALIFORNIA | 1 | 500.00  |
| 38  | DEL RIVER AT RIO DELL, DAVIS STREET    | CALIFORNIA | 1 | 500.00  |
| 39  | LAS VEGAS RASH AT NORTH SHORE ROAD     | NEVADA     | 1 | 500.00  |
| 40  | CALLVILLE LAY LAKE ROAD                | NEVADA     | 1 | 500.00  |
| 41  | LAS VEGAS DAY LAKE ROAD                | NEVADA     | 1 | 500.00  |
| 42  | LARKY HILLSBOUNT NEAR SCOTT L DAM      | CALIFORNIA | 1 | 500.00  |
| 43  | SAN JOAQUIN RIVER AT STANISLAUS CO.    | CALIFORNIA | 1 | 500.00  |
| 44  | LAKE MENDOCINO AT HWY 20 BRIDGE        | CALIFORNIA | 1 | 500.00  |
| 45  | RUSSIAN RIVER AT UTAH THEATRE PL       | CALIFORNIA | 1 | 500.00  |
| 46  | RUSSIAN RIVER - MOUNT RIO              | CALIFORNIA | 1 | 500.00  |
| 47  | RAID RIVER AT EISEN LAKE               | CALIFORNIA | 1 | 500.00  |
| 48  | SANTA CRUZ BELOW ROCK ROAD WASTE S     | ARIZONA    | 1 | 500.00  |
| 49  | LA PLACA CR @ EVANGELION RD; MUSKOGEE  | MICHIGAN   | 1 | 500.00  |
| 50  | LITTLE BEAR CR. AT MUSKOGEE RD; DALTON | MICHIGAN   | 1 | 500.00  |
| 51  | LITTLE BEAR CR. RIVER RD.; DALTON T    | MICHIGAN   | 1 | 500.00  |
| 52  | LITTLE BEAR CR. AT GILES RD, MUSKOGEE  | MICHIGAN   | 1 | 500.00  |
| 53  | SARLEY CR @ ABC COMPOUNDING CO AT A    | GEORGIA    | 1 | 400.00  |
| 54  | BERNIE ANA HAZARDOUS WASTE SITE 1      | TENNESSEE  | 1 | 400.00  |
| 55  | INDIANA HARBOR                         | INDIANA    | 1 | 370.00  |
| 56  | THURMAN RIVER AT PAFAD                 | CALIFORNIA | 2 | 337.00  |

TABLE A-18. (Continued)

| OBS | LOC                                  | STATE       | N | AMT     |
|-----|--------------------------------------|-------------|---|---------|
| 57  | SUISUN BAY S. OF MIDDLE GROUND       | CALIFORNIA  | 1 | 330.000 |
| 58  | NEW YORK SLOUGH                      | CALIFORNIA  | 1 | 330.000 |
| 59  | S.F. AIRPORT INDUSTRIAL PLANT        | CALIFORNIA  | 1 | 330.000 |
| 60  | T E MAION STP AT MEMPHIS TN TO MISS  | MISSISSIPPI | 1 | 300.000 |
| 61  | THULACE RIVER AT LOGANWOOD           | NEVADA      | 2 | 287.000 |
| 62  | PERSAULKE HARBOR                     | WISCONSIN   | 1 | 200.000 |
| 63  | PONT WASHINGTON                      | WISCONSIN   | 1 | 200.000 |
| 64  | SAINT LOUIS RIVER                    | WISCONSIN   | 1 | 200.000 |
| 65  | SAINT LOUIS RIVER                    | WISCONSIN   | 1 | 200.000 |
| 66  | SAINT LOUIS RIVER                    | WISCONSIN   | 2 | 200.000 |
| 67  | OCNULGE RIVER NEAR MALON WATER INT   | GEORGIA     | 1 | 200.000 |
| 68  | TOMER CHEMICAL CO AREA HAZARDOUS WA  | FLORIDA     | 1 | 200.000 |
| 69  | AT GAGING STATION                    | GEORGIA     | 1 | 200.000 |
| 70  | COOSA RIVER AT GA/ALA ST LINE NEAR   | GEORGIA     | 1 | 200.000 |
| 71  | MILLINGTON STP AT MILLINGTON TN TO   | TENNESSEE   | 1 | 200.000 |
| 72  |                                      | TENNESSEE   | 1 | 200.000 |
| 73  |                                      | TENNESSEE   | 1 | 200.000 |
| 74  | WILSON ROAD BRIDGE                   | TENNESSEE   | 1 | 200.000 |
| 75  | EAST 80TH. STREET BRIDGE             | TENNESSEE   | 2 | 200.000 |
| 76  | RAILROAD BRIDGE                      | TENNESSEE   | 1 | 200.000 |
| 77  | TRIBUTARY TO CHATTANOOGA CREEK 2.2   | TENNESSEE   | 1 | 200.000 |
| 78  | TRIBUTARY TO CHATTANOOGA CREEK 0.3   | TENNESSEE   | 1 | 200.000 |
| 79  | POND NEAR TENNESSEE-GEORGIA STATE L  | TENNESSEE   | 1 | 200.000 |
| 80  | MOORE HANILL ROAD CULVERT            | TENNESSEE   | 1 | 200.000 |
| 81  | TRIBUTARY TO CHATTANOOGA CREEK 4.45  | TENNESSEE   | 1 | 200.000 |
| 82  | HANILL ROAD BRIDGE                   | TENNESSEE   | 1 | 200.000 |
| 83  | BOULDER CREEK BELOW BULHOLLAND WASH  | ARIZONA     | 1 | 190.800 |
| 84  | INDIANA HARBOR                       | INDIANA     | 1 | 150.000 |
| 85  | KANSAS CITY WATER TREATMENT PLT.     | MISSOURI    | 1 | 150.000 |
| 86  | BISSOUNI RIVER NEAR 1480 BRIDGE      | NEBRASKA    | 1 | 150.000 |
| 87  | BISSOUNI RIVER AT SIOUX CITY         | ICNA        | 1 | 150.000 |
| 88  | KCMH-WAN WATER SUPPLY NO 4           | KANSAS      | 1 | 150.000 |
| 89  | NO WATER COMPANY WATER SUPPLY        | MISSOURI    | 1 | 150.000 |
| 90  | LAKE MACKENZIE, FIRST TUNN FROM      | TEXAS       | 2 | 145.000 |
| 91  | OFF LARREN PT AT IPC (UTPAIL TOXIC   | VERMONT     | 1 | 130.000 |
| 92  | PCD STATION LOK 9 ON LAKE OKEECHOBEE | FLORIDA     | 1 | 130.000 |
| 93  | BUFFALO SPRINGS LAKE                 | TEXAS       | 1 | 120.400 |
| 94  | SHELLHOCK H. UPST OF MONTWOOD        | IOIA        | 1 | 120.000 |
| 95  | PCD STATION LOK 3 ON LAKE (KEECHOBEE | FLORIDA     | 1 | 110.000 |
| 96  | ASHTABULA HARBOR, OHIO               | CHIC        | 1 | 100.000 |
| 97  | ASHTABULA HARBOR, OHIO               | CHIO        | 1 | 100.000 |
| 98  | ASHTABULA HARBOR, OHIO               | OHIO        | 1 | 100.000 |
| 99  | ASHTABULA HARBOR, OHIO               | CHIC        | 1 | 100.000 |
| 100 | ASHTABULA HARBOR, OHIO               | CHIO        | 1 | 100.000 |
| 101 | ASHTABULA HARBOR, OHIO               | CHIO        | 1 | 100.000 |
| 102 | ASHTABULA HARBOR, OHIO               | CHIO        | 1 | 100.000 |
| 103 | ASHTABULA HARBOR, OHIO               | CHIO        | 1 | 100.000 |
| 104 | ASHTABULA HARBOR, OHIO               | OHIO        | 1 | 100.000 |
| 105 | BLACK RIVER, MICHIGAN                | WISCONSIN   | 1 | 100.000 |
| 106 | BLACK RIVER, MICHIGAN                | WISCONSIN   | 1 | 100.000 |
| 107 | CASIVILLE HARBOR, MICHIGAN           | MICHIGAN    | 1 | 100.000 |
| 108 | CLEVELAND HARBOR                     | CHIC        | 1 | 100.000 |
| 109 | CLEVELAND HARBOR                     | CHIO        | 1 | 100.000 |
| 110 | HARRISVILLE HARBOR                   | MICHIGAN    | 1 | 100.000 |
| 111 | INDIANA HARBOR                       | INDIANA     | 1 | 100.000 |
| 112 | INDIANA HARBOR                       | INDIANA     | 1 | 100.000 |

TABLE A-18. (Continued)

| UHS | LOC                                 | STATE          | N | FEAR    |
|-----|-------------------------------------|----------------|---|---------|
| 113 | INDIANA HARBOR                      | INDIANA        | 1 | 100.000 |
| 114 | INDIANA HARBOR                      | INDIANA        | 1 | 100.000 |
| 115 | INDIANA HARBOR                      | INDIANA        | 2 | 100.000 |
| 116 | INDIANA HARBOR                      | INDIANA        | 1 | 100.000 |
| 117 | INDIANA HARBOR                      | INDIANA        | 1 | 100.000 |
| 118 | INDIANA HARBOR                      | INDIANA        | 1 | 100.000 |
| 119 | INDIANA HARBOR                      | INDIANA        | 1 | 100.000 |
| 120 | IRONDEQUOIT BAY                     | NEW YORK       | 1 | 100.000 |
| 121 | IRONDEQUOIT BAY                     | NEW YORK       | 1 | 100.000 |
| 122 | LES CHATELAIN ISLANDS CHANNELS      | MICHIGAN       | 1 | 100.000 |
| 123 | LES CHATELAIN ISLANDS CHANNELS      | MICHIGAN       | 1 | 100.000 |
| 124 | LITTLE SALMON RIVER                 | NEW YORK       | 1 | 100.000 |
| 125 | MONROE HARBOR                       | MICHIGAN       | 1 | 100.000 |
| 126 | MONROE HARBOR                       | MICHIGAN       | 1 | 100.000 |
| 127 | OGDENSBURG                          | NEW YORK       | 1 | 100.000 |
| 128 | POINT LOOKOUT HARBOR                | MICHIGAN       | 1 | 100.000 |
| 129 | SAINT LOUIS RIVER                   | WISCONSIN      | 2 | 100.000 |
| 130 | SAINT LOUIS RIVER                   | WISCONSIN      | 2 | 100.000 |
| 131 | SAINT LOUIS RIVER                   | WISCONSIN      | 2 | 100.000 |
| 132 | CLEVELAND HARBOR                    | OHIO           | 1 | 100.000 |
| 133 | CLEVELAND HARBOR                    | OHIO           | 2 | 100.000 |
| 134 | TOWER CHEMICAL CO AREA HAZARDOUS WA | FLORIDA        | 1 | 100.000 |
| 135 | BERNARD TERN AT HOLLYWOOD MD AREA 5 | TENNESSEE      | 1 | 100.000 |
| 136 | DULUTH HARBOR                       | MINNESOTA      | 1 | 100.000 |
| 137 | DULUTH HARBOR                       | WISCONSIN      | 1 | 100.000 |
| 138 | DULUTH HARBOR                       | WISCONSIN      | 1 | 100.000 |
| 139 | DULUTH HARBOR                       | WISCONSIN      | 1 | 100.000 |
| 140 | DULUTH HARBOR                       | WISCONSIN      | 1 | 100.000 |
| 141 | DULUTH HARBOR                       | WISCONSIN      | 1 | 100.000 |
| 142 | DULUTH HARBOR                       | WISCONSIN      | 1 | 100.000 |
| 143 | DULUTH HARBOR                       | WISCONSIN      | 1 | 100.000 |
| 144 | AT BACK BAY DRIVE BRIDGE            | CALIFORNIA     | 2 | 70.000  |
| 145 | CLEVELAND HARBOR                    | OHIO           | 1 | 70.000  |
| 146 | CLEVELAND HARBOR                    | OHIO           | 1 | 70.000  |
| 147 | CLEVELAND HARBOR                    | OHIO           | 2 | 70.000  |
| 148 | CLEVELAND HARBOR                    | OHIO           | 1 | 70.000  |
| 149 | CLEVELAND HARBOR                    | OHIO           | 1 | 70.000  |
| 150 | CLEVELAND HARBOR                    | OHIO           | 1 | 70.000  |
| 151 | CLEVELAND HARBOR                    | OHIO           | 1 | 70.000  |
| 152 | CLEVELAND HARBOR                    | OHIO           | 2 | 70.000  |
| 153 | CLEVELAND HARBOR                    | OHIO           | 1 | 70.000  |
| 154 | JACO HUGHES PROPERTY AT BELMONT NC  | NORTH CAROLINA | 1 | 60.000  |
| 155 | LAKE VERMONT, NORTH END 1 10 MI.    | LOUISIANA      | 1 | 50.000  |
| 156 | GRAND PORTAGE, MINNESOTA            | MINNESOTA      | 1 | 50.000  |
| 157 | GRAND PORTAGE, MINNESOTA            | MINNESOTA      | 1 | 50.000  |
| 158 | GRAND PORTAGE, MINNESOTA            | MINNESOTA      | 1 | 50.000  |
| 159 | GRAND PORTAGE, MINNESOTA            | MINNESOTA      | 2 | 50.000  |
| 160 | 4000 FT BELOW EAST CREEK BUTLAND TO | VERMONT        | 1 | 50.000  |
| 161 | TOPAZ LAKE                          | NEVADA         | 1 | 50.000  |
| 162 | GORDON SERVICES CO AT GORDON GA TO  | GEORGIA        | 1 | 50.000  |
| 163 | WASH I                              | ILLINOIS       | 1 | 46.000  |
| 164 | CAMPUS DRIVE BRIDGE                 | CALIFORNIA     | 3 | 46.667  |
| 165 | UPSTREAM OF LUN-PAU CONFLUENCE      | CALIFORNIA     | 1 | 40.000  |
| 166 | 100 FEET SOUTH OF DAM               | CALIFORNIA     | 1 | 40.000  |
| 167 | 3 MI BELOW N. BERNINGTON AT SUDON V | VERMONT        | 1 | 40.000  |
| 168 | 1000 FT. BELOW N. POWELL DAM AT TAN | VERMONT        | 1 | 40.000  |

TABLE A-18. (Continued)

| Obs | LOC                                   | SITE              | N | MEAN    |
|-----|---------------------------------------|-------------------|---|---------|
| 169 | 2000 FT. ABOVE N. FORMAL VAN TUXIC    | VERMONT           | 1 | 40.0000 |
| 170 | MOUTH OF LAST LADY ISLAND AT FRR 4    | VERMONT           | 1 | 40.0000 |
| 171 | BEHIND HILLAWATER 2000 FT SOUTH OF    | VERMONT           | 1 | 40.0000 |
| 172 | WATER DISTRICT INTAKE BETWEEN FRR 6   | VERMONT           | 1 | 40.0000 |
| 173 | POWER LINE CROSSING 1.5 MI ABOVE PI   | VERMONT           | 1 | 40.0000 |
| 174 | 1000 FT BELOW RT 2 BRIDGE IN ST JOH   | VERMONT           | 1 | 40.0000 |
| 175 | OLD RT 11 BNC ABOVE COULDS HILL S O   | VERMONT           | 1 | 40.0000 |
| 176 | LITTLE ANNANDAS R AT NIMS ST          | KANSAS            | 1 | 40.0000 |
| 177 | TRINITY R AT BELT LINE RD             | TEXAS             | 1 | 40.0000 |
| 178 | MEMPHIS TERN AT HOLLYWOOD RD AREA 5   | TENNESSEE         | 1 | 40.0000 |
| 179 | MEMPHIS TERN AT HOLLYWOOD RD AREA 5   | TENNESSEE         | 1 | 40.0000 |
| 180 | STAUFFER CHERICAL -- UNLINED ALUM P   | OREGON            | 1 | 35.0000 |
| 181 | N PALM BCH C 200 FT                   | FLORIDA           | 1 | 32.5000 |
| 182 | IRVINE AVENUE BRIDGE                  | CALIFORNIA        | 7 | 31.4286 |
| 183 | HOLLAND HARBOR, MICHIGAN              | MICHIGAN          | 1 | 30.0000 |
| 184 | HOLLAND HARBOR, MICHIGAN              | MICHIGAN          | 1 | 30.0000 |
| 185 | HOLLAND HARBOR, MICHIGAN              | MICHIGAN          | 1 | 30.0000 |
| 186 | HOLLAND HARBOR, MICHIGAN              | MICHIGAN          | 1 | 30.0000 |
| 187 | HOLLAND HARBOR, MICHIGAN              | MICHIGAN          | 1 | 30.0000 |
| 188 | HOLLAND HARBOR, MICHIGAN              | MICHIGAN          | 1 | 30.0000 |
| 189 | HOLLAND HARBOR, MICHIGAN              | MICHIGAN          | 1 | 30.0000 |
| 190 | HOLLAND HARBOR, MICHIGAN              | MICHIGAN          | 1 | 30.0000 |
| 191 | HOLLAND HARBOR, MICHIGAN              | MICHIGAN          | 2 | 30.0000 |
| 192 | HOLLAND HARBOR, MICHIGAN              | MICHIGAN          | 1 | 30.0000 |
| 193 | HOLLAND HARBOR, MICHIGAN              | MICHIGAN          | 1 | 30.0000 |
| 194 | HOLLAND HARBOR, MICHIGAN              | MICHIGAN          | 1 | 30.0000 |
| 195 | DES MOINES R AT ELLIOT AVE BR         | IOWA              | 1 | 30.0000 |
| 196 | BUCKEYE CANAL @ LITCHFIELD            | ARIZONA           | 1 | 29.0000 |
| 197 | N.P. LA-N. CENTRAL BASIN; SEC 28 OF   | CHABFORD CO., MI  | 1 | 25.0000 |
| 198 | EDDY LA-NORTHWEST BASIN; SEC 21, OF   | DICKINSON CO. MI  | 1 | 25.0000 |
| 199 | ELLEN LA-S. CENTRAL BASIN; SEC 35,    | IRON CO., MI      | 1 | 25.0000 |
| 200 | EMILY LA-CENTRAL BASIN; SEC 24 OF     | MICHIGAN          | 1 | 25.0000 |
| 201 | FINN LA-S. CENTRAL BASIN; SEC 20 OF   | MICHIGAN          | 1 | 25.0000 |
| 202 | INDIAN LA-CENTRAL BASIN; STARRAUG     | IRON CO., MI      | 1 | 25.0000 |
| 203 | LONG LA IN CENT. BASIN; CHRYSTAL FALL | MICHIGAN          | 1 | 25.0000 |
| 204 | ROD LA-N. CENTRAL BASIN; SEC 29 OF    | MICHIGAN          | 1 | 25.0000 |
| 205 | CULHANE LA-NORTHEAST BASIN; SEC 30    | MICHIGAN          | 1 | 25.0000 |
| 206 | JENNSEN LAKE IN WEST BASIN; HARTING   | RECOSTA CO., MI   | 1 | 25.0000 |
| 207 | LONG LAKE-CENTRAL BASIN; SEC 19 OF    | ALBIONEE CO. MI   | 1 | 25.0000 |
| 208 | L. WHITEFISH LA-CENT. BASIN; PIRASSO  | MONTCALM CO., MI  | 1 | 25.0000 |
| 209 | LA FIFTEEN-CENTRAL BASIN; SEC 15 OF   | MICHIGAN          | 1 | 25.0000 |
| 210 | FOX LAKE IN CENTRAL BASIN; DALTON T   | BUSKESGON CO., MI | 1 | 25.0000 |
| 211 | HALFOND LA-N. CENTRAL BASIN; OTSEGO   | OTSEGO CO., MI    | 1 | 25.0000 |
| 212 | GUTHRIE LA-N. CENTRAL BASIN; OTSEGO   | OTSEGO CO., MI    | 1 | 25.0000 |
| 213 | NETTIE LAKE-S. EAST BASIN; SEC 32 O   | FRISQUE IS CO MI  | 1 | 25.0000 |
| 214 | HIGGINS LAKE IN NORTHWEST BASIN; LY   | MICHIGAN          | 1 | 25.0000 |
| 215 | FISHERS LAKE-N. CENTRAL BASIN; PARR   | ST. JOSEPH CO MI  | 1 | 25.0000 |
| 216 | DODGE LAKE IN WEST BASIN; HIAVATHA    | MICHIGAN          | 1 | 25.0000 |
| 217 | BOOY LA-S. CENTRAL BASIN; SEC 26 OF   | SCHOOLCRAFT CO.   | 1 | 25.0000 |
| 218 | ISLAND LAKE-S. WEST BASIN; HIAVATHA   | SCHOOLCRAFT CO.   | 1 | 25.0000 |
| 219 | ROUND LAKE IN S. EAST BASIN; REBEL    | VAN HUSEN CO. MI  | 1 | 25.0000 |
| 220 | HUSH LAKE IN CENTRAL BASIN; HANGON    | VAN HUSEN CO. MI  | 1 | 25.0000 |
| 221 | SCOTT LAKE-S. CENTRAL BASIN; HILLING  | VAN HUSEN CO. MI  | 1 | 25.0000 |
| 222 | SHAFER LA-N. CENTRAL BASIN; LAWRENCE  | VAN HUSEN CO. MI  | 1 | 25.0000 |

TABLE A-19. FRESHWATER REGIONS CONTAINING ELEVATED SEDIMENT LEVELS OF LINDANE  
CONCENTRATIONS ARE IN  $\mu\text{g/kg}$

| Obs | LOC                                    | STATE       | N | MEAN |
|-----|----------------------------------------|-------------|---|------|
| 1   | TRAILITY R AT BILT LINE RD             | TEXAS       | 1 | 11.9 |
| 2   | BLACK RIVER, MICHIGAN                  | WISCONSIN   | 1 | 500  |
| 3   | BLACK RIVER, MICHIGAN                  | WISCONSIN   | 1 | 500  |
| 4   | CASHTVILLE HARBOR, MICHIGAN            | MICHIGAN    | 1 | 500  |
| 5   | MAHESVILLE HARBOR                      | MICHIGAN    | 1 | 500  |
| 6   | INONDQUOIT BAY                         | NEW YORK    | 1 | 500  |
| 7   | INONDQUOIT BAY                         | NEW YORK    | 1 | 500  |
| 8   | LES CHAPEAUX ISLANDS CHANNELS          | MICHIGAN    | 1 | 500  |
| 9   | LES CHAPEAUX ISLANDS CHANNELS          | MICHIGAN    | 1 | 500  |
| 10  | LITTLE SALMON RIVER                    | NEW YORK    | 1 | 500  |
| 11  | MORRIS HARBOR                          | MICHIGAN    | 1 | 500  |
| 12  | MORRIS HARBOR                          | MICHIGAN    | 1 | 500  |
| 13  | OLDENBURG                              | NEW YORK    | 1 | 500  |
| 14  | PEBSAUKY HARBOR                        | WISCONSIN   | 1 | 500  |
| 15  | PONT LUCIOUT HARBOR                    | MICHIGAN    | 1 | 500  |
| 16  | PONT WASHINGTON                        | WISCONSIN   | 1 | 500  |
| 17  | DULUTH HARBOR                          | MINNESOTA   | 1 | 500  |
| 18  | DULUTH HARBOR                          | WISCONSIN   | 1 | 500  |
| 19  | DULUTH HARBOR                          | WISCONSIN   | 1 | 500  |
| 20  | DULUTH HARBOR                          | WISCONSIN   | 1 | 500  |
| 21  | DULUTH HARBOR                          | WISCONSIN   | 1 | 500  |
| 22  | DULUTH HARBOR                          | WISCONSIN   | 1 | 500  |
| 23  | DULUTH HARBOR                          | WISCONSIN   | 1 | 500  |
| 24  | GRANT PARK WISCONSIN                   | MINNESOTA   | 2 | 200  |
| 25  | CHATTANOOGA STR AT CHATTANOOGA TR TO L | MISSISSIPPI | 1 | 160  |
| 26  | SYLACAUGA FIVE POINTS STR AT SYLACA    | ALABAMA     | 1 | 110  |
| 27  | ASHTABULA HARBOR, OHIO                 | OHIO        | 1 | 100  |
| 28  | ASHTABULA HARBOR, OHIO                 | OHIO        | 1 | 100  |
| 29  | ASHTABULA HARBOR, OHIO                 | OHIO        | 1 | 100  |
| 30  | ASHTABULA HARBOR, OHIO                 | OHIO        | 1 | 100  |
| 31  | ASHTABULA HARBOR, OHIO                 | OHIO        | 1 | 100  |
| 32  | ASHTABULA HARBOR, OHIO                 | OHIO        | 1 | 100  |
| 33  | ASHTABULA HARBOR, OHIO                 | OHIO        | 1 | 100  |
| 34  | ASHTABULA HARBOR, OHIO                 | OHIO        | 1 | 100  |
| 35  | ASHTABULA HARBOR, OHIO                 | OHIO        | 1 | 100  |
| 36  | CLEVELAND HARBOR                       | OHIO        | 1 | 100  |
| 37  | CLEVELAND HARBOR                       | OHIO        | 1 | 100  |
| 38  | HOLLAND HARBOR, MICHIGAN               | MICHIGAN    | 1 | 100  |
| 39  | HOLLAND HARBOR, MICHIGAN               | MICHIGAN    | 1 | 100  |
| 40  | HOLLAND HARBOR, MICHIGAN               | MICHIGAN    | 1 | 100  |
| 41  | HOLLAND HARBOR, MICHIGAN               | MICHIGAN    | 1 | 100  |
| 42  | HOLLAND HARBOR, MICHIGAN               | MICHIGAN    | 1 | 100  |
| 43  | HOLLAND HARBOR, MICHIGAN               | MICHIGAN    | 1 | 100  |
| 44  | HOLLAND HARBOR, MICHIGAN               | MICHIGAN    | 1 | 100  |
| 45  | HOLLAND HARBOR, MICHIGAN               | MICHIGAN    | 1 | 100  |
| 46  | HOLLAND HARBOR, MICHIGAN               | MICHIGAN    | 2 | 100  |
| 47  | HOLLAND HARBOR, MICHIGAN               | MICHIGAN    | 1 | 100  |
| 48  | HOLLAND HARBOR, MICHIGAN               | MICHIGAN    | 1 | 100  |
| 49  | HOLLAND HARBOR, MICHIGAN               | MICHIGAN    | 1 | 100  |
| 50  | INDIANA HARBOR                         | INDIANA     | 1 | 100  |
| 51  | INDIANA HARBOR                         | INDIANA     | 1 | 100  |
| 52  | INDIANA HARBOR                         | INDIANA     | 1 | 100  |
| 53  | INDIANA HARBOR                         | INDIANA     | 1 | 100  |
| 54  | INDIANA HARBOR                         | INDIANA     | 1 | 100  |
| 55  | INDIANA HARBOR                         | INDIANA     | 1 | 100  |
| 56  | INDIANA HARBOR                         | INDIANA     | 1 | 100  |

TABLE A-19. (Continued)

| Obs | LOC                                 | STAT           | N | RIAL    |
|-----|-------------------------------------|----------------|---|---------|
| 57  | INDIANA HARBOR                      | INDIANA        | 1 | 100.000 |
| 58  | INDIANA HARBOR                      | INDIANA        | 2 | 100.000 |
| 59  | INDIANA HARBOR                      | INDIANA        | 1 | 100.000 |
| 60  | INDIANA HARBOR                      | INDIANA        | 1 | 100.000 |
| 61  | INDIANA HARBOR                      | INDIANA        | 1 | 100.000 |
| 62  | INDIANA HARBOR                      | INDIANA        | 1 | 100.000 |
| 63  | SAINT LOUIS RIVER                   | WISCONSIN      | 2 | 100.000 |
| 64  | SAINT LOUIS RIVER                   | WISCONSIN      | 1 | 100.000 |
| 65  | SAINT LOUIS RIVER                   | WISCONSIN      | 2 | 100.000 |
| 66  | SAINT LOUIS RIVER                   | WISCONSIN      | 2 | 100.000 |
| 67  | SAINT LOUIS RIVER                   | WISCONSIN      | 1 | 100.000 |
| 68  | SAINT LOUIS RIVER                   | WISCONSIN      | 2 | 100.000 |
| 69  | VALLEY CR STP AT LESSEMEN AL TO VAL | ALABAMA        | 1 | 100.000 |
| 70  | CLEVELAND HARBOR                    | OHIO           | 1 | 100.000 |
| 71  | CLEVELAND HARBOR                    | OHIO           | 2 | 100.000 |
| 72  | CLERSON STP AT CLINSON SC SO LAKE N | SOUTH CAROLINA | 1 | 100.000 |
| 73  | NAPLE CREEK STP AT GREEN SC TO MAIL | SOUTH CAROLINA | 1 | 100.000 |
| 74  | DRY CREEK STP AT NASHVILLE TN TO LN | TENNESSEE      | 1 | 100.000 |
| 75  | WHITES CR STP AT NASHVILLE TN TO CU | TENNESSEE      | 1 | 100.000 |
| 76  | NASHVILLE CENTRAL STP AT NASHVILLE  | TENNESSEE      | 1 | 100.000 |
| 77  | WHITE ROCK LAKE BEAR DAM            | TEXAS          | 1 | 66.470  |
| 78  | WAVARRO HILLS RESERV NEAR LAN       | TEXAS          | 1 | 52.550  |
| 79  | AT BACK BAY DRIVE BRIDGE            | CALIFORNIA     | 5 | 40.000  |
| 80  | PILL IN COOPER RVR AT END OF RICE N | SOUTH CAROLINA | 1 | 29.390  |
| 81  | CHAPLAIN RESERV NEAR DAN            | TEXAS          | 1 | 27.980  |
| 82  | CAMPUS DRIVE BRIDGE                 | CALIFORNIA     | 8 | 27.500  |
| 83  | INVADE AVENUE BRIDGE                | CALIFORNIA     | 9 | 26.667  |
| 84  | UPSTREAM OF FOG-PLS CONFLUENCE      | CALIFORNIA     | 4 | 25.000  |
| 85  | 100 FEET SOUTH OF DAN               | CALIFORNIA     | 4 | 25.000  |
| 86  | BARDWELL RESERV NEAR DAN            | TEXAS          | 1 | 20.800  |
| 87  | AT OLD LAUNCH RAMP                  | CALIFORNIA     | 2 | 20.000  |
| 88  | AT JAMBORRE, NORTH OF MAIN          | CALIFORNIA     | 1 | 20.000  |
| 89  | CLEVELAND HARBOR                    | OHIO           | 1 | 20.000  |
| 90  | CLEVELAND HARBOR                    | OHIO           | 1 | 20.000  |
| 91  | CLEVELAND HARBOR                    | OHIO           | 2 | 20.000  |
| 92  | CLEVELAND HARBOR                    | OHIO           | 1 | 20.000  |
| 93  | CLEVELAND HARBOR                    | OHIO           | 1 | 20.000  |
| 94  | CLEVELAND HARBOR                    | OHIO           | 1 | 20.000  |
| 95  | CLEVELAND HARBOR                    | OHIO           | 1 | 20.000  |
| 96  | CLEVELAND HARBOR                    | OHIO           | 1 | 20.000  |
| 97  | CLEVELAND HARBOR                    | OHIO           | 1 | 20.000  |
| 98  | CLEVELAND HARBOR                    | OHIO           | 2 | 20.000  |
| 99  | CLEVELAND HARBOR                    | OHIO           | 1 | 20.000  |
| 100 | CLEVELAND HARBOR                    | OHIO           | 1 | 20.000  |
| 101 | AT FLOATING DOCK                    | CALIFORNIA     | 1 | 20.000  |
| 102 | EAST OF LAUNCH RAMP - MIDCHANNEL    | CALIFORNIA     | 4 | 20.000  |
| 103 | 100 YARDS SOUTH OF OLD PILL         | CALIFORNIA     | 2 | 20.000  |
| 104 | WEST BASIN, MIDCHANNEL, MIDBASIN    | CALIFORNIA     | 4 | 20.000  |
| 105 | AT GOLDFR WEST STREET BRIDGE        | CALIFORNIA     | 6 | 20.000  |
| 106 | ENTRANCE OF HOLSA CHICA CHANNEL     | CALIFORNIA     | 5 | 20.000  |
| 107 | CHRISTIANA BAY, MIDBASIN            | CALIFORNIA     | 2 | 20.000  |
| 108 | SUNSET BAY AT NAVY DOCKS            | CALIFORNIA     | 1 | 20.000  |
| 109 | 100 YARDS NORTH OF WARDEN AVENUE    | CALIFORNIA     | 4 | 20.000  |
| 110 | MIDCHANNEL NORTH OF BAY ISLE        | CALIFORNIA     | 6 | 20.000  |
| 111 | MIDCHANNEL, EAST OF 20TH STREET     | CALIFORNIA     | 7 | 20.000  |
| 112 | MIDBASIN E OF DEPTON BRIDGE         | CALIFORNIA     | 6 | 20.000  |

TABLE A-19. (Continued)

| ONS | LOC                                 | STATE      | N | MEAN    |
|-----|-------------------------------------|------------|---|---------|
| 113 | 100 FT N. OF SULPHUR CREEK INLET    | CALIFORNIA | 2 | 20.0000 |
| 114 | 100 FEET NORTH OF ISLAND            | CALIFORNIA | 3 | 20.0000 |
| 115 | N. LAKE EXTENSION BY DIKE PATH      | CALIFORNIA | 1 | 20.0000 |
| 116 | AT CHOWN VALLEY LAHWAY BRIDGE       | CALIFORNIA | 2 | 20.0000 |
| 117 | U/S LAKE AT BRIDGE                  | CALIFORNIA | 1 | 20.0000 |
| 118 | PACIFIC COAST HIGHWAY               | CALIFORNIA | 2 | 20.0000 |
| 119 | DEL OBISPO STREET BRIDGE            | CALIFORNIA | 2 | 20.0000 |
| 120 | 100 YDS WEST OF BIG CANYON WASH     | CALIFORNIA | 6 | 20.0000 |
| 121 | 50 YARDS U/S OF COAST HWY BRIDGE    | CALIFORNIA | 1 | 20.0000 |
| 122 | 100 YARDS E OF NORTH STAR BEACH     | CALIFORNIA | 6 | 20.0000 |
| 123 | SOUTH OF SAN DIEGO CNA ENTRANCE     | CALIFORNIA | 6 | 20.0000 |
| 124 | AT GHAHAN STREET BRIDGE             | CALIFORNIA | 7 | 20.0000 |
| 125 | LEEDS STP AT LEEDS AL TO LITTLE CAN | ALABAMA    | 1 | 20.0000 |
| 126 | CLEAN CREEK-ABOVE TIDAL # IN 2351   | TEXAS      | 1 | 20.0000 |
| 127 | BRUSH CR STP AT JOHNSON CITY TN TO  | TENNESSEE  | 1 | 20.0000 |
| 128 | AT FOLSA AVENUE EXTENSION BRIDGE    | CALIFORNIA | 8 | 17.5000 |
| 129 | ALISO CREEK AT GOLF COURSE          | CALIFORNIA | 3 | 16.6667 |
| 130 | U/S PACIFIC COAST HIGHWAY           | CALIFORNIA | 5 | 16.0000 |
| 131 | WEISER R & WEISER - HWY 30A         | IDAHU      | 1 | 10.0000 |
| 132 | SHAKE RIVER AT WEISER IDAHU         | IDAHU      | 1 | 10.0000 |
| 133 | COUCH DALENE RIVER AT ROSE LAKE     | IDAHU      | 1 | 10.0000 |
| 134 | PAYETTE RIVER AT PAYETTE-HWY 95     | IDAHU      | 1 | 10.0000 |
| 135 | CLARK FORK AT CLARK FORK IDAHU      | IDAHU      | 1 | 10.0000 |
| 136 | KOOTENAI RIVER AT COPELAND IDAHU    | IDAHU      | 1 | 10.0000 |
| 137 | SPOKANE RIVER BLW POST FALLS DAM    | ICAHU      | 1 | 10.0000 |
| 138 | SP COUCH DALENE R AT BRAYVILLE, I   | IDAHU      | 1 | 10.0000 |

TABLE A-20. FRESHWATER REGIONS CONTAINING ELEVATED SEDIMENT LEVELS OF TOXAPHENE  
CONCENTRATIONS ARE IN  $\mu\text{g/kg}$

| UNS | LOC                                   | STATE          | N | MEAN    |
|-----|---------------------------------------|----------------|---|---------|
| 1   | MAHO OVER RIBBY CR ON DEC RD 46       | SOUTH CAROLINA | 1 | 19500.0 |
| 2   | SALUDA RVR AT SC 34 ESE 96 MI LR ON   | SOUTH CAROLINA | 1 | 18120.0 |
| 3   | T F MAXON ST AT MEMPHIS TN TO MISS    | TENNESSEE      | 1 | 10000.0 |
| 4   | KANSAS CITY WATER TREATMENT PLT.      | MISSOURI       | 1 | 6500.0  |
| 5   | MISSOURI RIVER NEAR 1480 BRIDGE       | NEBRASKA       | 1 | 6500.0  |
| 6   | MISSOURI RIVER AT SIOUX CITY          | ILLINOIS       | 1 | 6500.0  |
| 7   | KCKM-HAW WATER SUPPLY NO 1            | KANSAS         | 1 | 6500.0  |
| 8   | NO WATER COMPANY WATER SUPPLY         | MISSOURI       | 1 | 6500.0  |
| 9   | LITTLE ARKANSAS R AT NIMS ST          | KANSAS         | 1 | 6000.0  |
| 10  | CASHS CREEK NEAR PLEASING, TEX. (D/S) | TEXAS          | 1 | 5999.0  |
| 11  | MEMPHIS AREA HAZARDOUS WASTE SITE 1   | TENNESSEE      | 1 | 5000.0  |
| 12  | PIKE IN COOPER RVR AT END OF RICE R   | SOUTH CAROLINA | 1 | 4159.0  |
| 13  | HILO BAY                              | HAWAII         | 1 | 3333.0  |
| 14  | HILLINGTON STP AT HILLINGTON TN TO    | TENNESSEE      | 1 | 3000.0  |
| 15  | SHELLHOCK R. UPST OF NORTHWOOD        | ILLINOIS       | 2 | 2750.0  |
| 16  | HAULIMILI BAY                         | HAWAII         | 1 | 2717.0  |
| 17  | E-21 CANAL AT CLINT MOORE RD NE BUL   | FLORIDA        | 1 | 2700.0  |
| 18  | GILA RIVER AT GILLESPIE DAM           | ARIZONA        | 1 | 2232.0  |
| 19  | TRINITY R AT BELT LINE RD             | TEXAS          | 1 | 2000.0  |
| 20  | OGEMAN CREEK AT R-76 HWY; WEST BRANCH | MICHIGAN       | 1 | 2000.0  |
| 21  | OGEMAN CREEK AT S VALLEY RD BR IN W   | MICHIGAN       | 1 | 2000.0  |
| 22  | OGEMAN CR OFF BRANCHSIDE CRN; N. BRN  | MICHIGAN       | 1 | 2000.0  |
| 23  | OGEMAN CR 1/2 MI WEST OF R-76; N. B   | MICHIGAN       | 1 | 2000.0  |
| 24  | ALAMO LAKE                            | ARIZONA        | 1 | 1971.0  |
| 25  | BURNHOLT RIVER @ JOLAY                | NEVADA         | 1 | 1857.0  |
| 26  | YUBA RIVER NEAR MARYSVILLE            | CALIFORNIA     | 1 | 1830.0  |
| 27  | KAHULUI HARBOR                        | HAWAII         | 1 | 1803.0  |
| 28  | LAKE PROVIDENCE, DEPIN END            | LOUISIANA      | 1 | 1800.0  |
| 29  | AMERICAN R. AT ELIMARIO ST.           | CALIFORNIA     | 1 | 1750.0  |
| 30  | BUFFALO CR AT AMERICAN RIVER          | CALIFORNIA     | 1 | 1726.0  |
| 31  | CARSON R @ RLM IMPINE                 | NEVADA         | 1 | 1714.0  |
| 32  | SALINAS RIVER AT GONZALES             | CALIFORNIA     | 1 | 1698.0  |
| 33  | BOULDER CREEK AT SOUTH                | ARIZONA        | 1 | 1690.0  |
| 34  | CARSON R. @ RIVERVIEW                 | NEVADA         | 1 | 1664.0  |
| 35  | ONLEA R NE TIERHANA HILLS             | CALIFORNIA     | 1 | 1640.0  |
| 36  | SANTA ANA RIVER BELOW PHADG DAM       | CALIFORNIA     | 1 | 1631.0  |
| 37  | BOULDER CREEK ABOVE WILDER CREEK      | ARIZONA        | 1 | 1594.0  |
| 38  | AMERICAN R. ABOVE SUNNISE FM          | CALIFORNIA     | 1 | 1590.0  |
| 39  | AMERICAN R. AT WATTS AVE.             | CALIFORNIA     | 1 | 1590.0  |
| 40  | COPPER CREEK AN BOULDER CREEK         | ARIZONA        | 1 | 1551.0  |
| 41  | LAKE TAPUP AT SAND HARBOR             | NEVADA         | 1 | 1535.0  |
| 42  | LAHONTAN DAM                          | NEVADA         | 1 | 1463.0  |
| 43  | COLORADO RIVER BELOW PARKER DAM       | ARIZONA        | 1 | 1461.0  |
| 44  | LITTLE PEE DEE RVR MI JCT WITH MAPL   | SOUTH CAROLINA | 1 | 1400.0  |
| 45  | COLORADO R. @ YUMA                    | ARIZONA        | 1 | 1399.0  |
| 46  | DES MOINES R AT LUCID AVE HW          | ILLINOIS       | 1 | 1300.0  |
| 47  | NECK HAYOU NEAR HUGHES, ARK.          | ARKANSAS       | 1 | 1299.0  |
| 48  | HAYOU BATHHOUSE NEAR MCLINEE, ARK     | ARKANSAS       | 2 | 1289.0  |
| 49  | PEABEL HARBOR @ LULU                  | HAWAII         | 1 | 1250.0  |
| 50  | ALA WAI CANAL                         | HAWAII         | 1 | 1250.0  |
| 51  | E. FORK CUMBER RIVER @ OMTHEE         | NEVADA         | 1 | 1250.0  |
| 52  | ARKANSAS R NEAR J. HAY KANSAS         | KANSAS         | 1 | 1200.0  |
| 53  | ARKANSAS RIVER FRI                    | KANSAS         | 1 | 1200.0  |
| 54  | COMBIE CREEK AT COVER ST S            | KANSAS         | 1 | 1200.0  |
| 55  | HALEFAY SWI CR MI 45 JCT E OF 51 FM   | SOUTH CAROLINA | 1 | 1140.0  |
| 56  | TURKEY CR AT LA-120 CAUSSING          | LOUISIANA      | 1 | 1000.0  |

TABLE A-20. (Continued)

| Obs | LOC                                      | STATE                 | N | RAIN    |
|-----|------------------------------------------|-----------------------|---|---------|
| 57  | CLARK CREEK-ABOVE TIDAL @ PM 2351        | TEXAS                 |   |         |
| 58  | DRAIN 30 OFF HUNN LAK ROAD; BRONSON      | MICHIGAN              | 1 | 1000.00 |
| 59  | CO DR 30 AT PATTERSON IR RD, BRONSON     | MICHIGAN              | 1 | 1000.00 |
| 60  | CO DR 30 OFF INDUSTRIAL RD; BRONSON      | MICHIGAN              | 1 | 1000.00 |
| 61  | CO DR 30 BELOW WYTP LAQUONDS; BRONSON    | MICHIGAN              | 1 | 1000.00 |
| 62  | CO DR 30 BELOW BRONSON WYTP; BRONSON     | MICHIGAN              | 1 | 1000.00 |
| 63  | ST JOSEPH R AT MOORE RD; PAYETTE TN      | MICHIGAN              | 1 | 1000.00 |
| 64  | ST JOSEPH I DUNSTON OF CHICAGO ST IN     | MICHIGAN              | 1 | 1000.00 |
| 65  | ST JOSEPH R WYTP SINU DR RR; HILLS       | MICHIGAN              | 1 | 1000.00 |
| 66  | UNNAMED TRIBUTARY HILLSDALE RD DR; PAYIT | MICHIGAN              | 1 | 1000.00 |
| 67  | BECKE CREEK AT MOORE DR DR; PAYETTE      | MICHIGAN              | 1 | 1000.00 |
| 68  | ST JOE R ADV JONESVILLE WYTP; PAYIT      | MICHIGAN              | 1 | 1000.00 |
| 69  | BECKE CREEK AT US-127 DR; PITTSFORD      | MICHIGAN              | 1 | 1000.00 |
| 70  | BECKE CREEK AT NELSON ROAD; HUDSON T     | MICHIGAN              | 1 | 1000.00 |
| 71  | M. NAISIN AT BUTTON RD; NAISIN TWP.      | MICHIGAN              | 1 | 1000.00 |
| 72  | BLACK CH AT LYONS HWY; FAIRFIELD TN      | MICHIGAN              | 1 | 1000.00 |
| 73  | BLACK CREEK AT LYONS HWY; FAIRFIELD      | MICHIGAN              | 1 | 1000.00 |
| 74  | BLACK CREEK AT MOUSE HWY; FAIRFIELD      | MICHIGAN              | 1 | 1000.00 |
| 75  | NAISIN RIVER AT MILL ROAD; NAISIN T      | LEWIS & CLARK CO., MI | 1 | 1000.00 |
| 76  | BLACK CH AT SAND CREEK HWY IN CITY       | MICHIGAN              | 1 | 1000.00 |
| 77  | BLACK CH AT M-54 BRIDGE; FAIRFIELD       | MICHIGAN              | 1 | 1000.00 |
| 78  | BECKE CREEK AT MECHANIC ST DR, IN HU     | MICHIGAN              | 1 | 1000.00 |
| 79  | BECKE CREEK AT US-127 RR; HUDSON TWP     | MICHIGAN              | 1 | 1000.00 |
| 80  | WESTON DRAIN AT MOUTH; FAIRFIELD TN      | MICHIGAN              | 1 | 1000.00 |
| 81  | M DR BLACK R UPSTAIR 104TH AVE; ZIEL     | MICHIGAN              | 1 | 1000.00 |
| 82  | M DR BLACK R AT 100TH AVE DR; HOLLA      | MICHIGAN              | 1 | 1000.00 |
| 83  | M DR BLACK R AT M-21 DR; HOLLAND TN      | MICHIGAN              | 1 | 1000.00 |
| 84  | NAISIN R. AT AUSTIN RD.; MANCHESTER      | MICHIGAN              | 1 | 1000.00 |
| 85  | R NAISIN AT SHARON VALLEY RD; SHARON     | WASHINGTON CO., MI    | 1 | 1000.00 |
| 86  | NAISIN R AT DUNCAN ST BRIDGE IN MAN      | MICHIGAN              | 1 | 1000.00 |
| 87  | NAISIN R DR OFF AUSTIN RD; BRIDGES       | MICHIGAN              | 1 | 1000.00 |
| 88  | ROOSEVELT LAKE SALT M. ARM               | ARIZONA               | 1 | 1000.00 |
| 89  | BAYOU MAISON J MI E OF BARKERS           | LOUISIANA             | 1 | 963.30  |
| 90  | TENSAS RIVER AT TENDAL, LOUISIANA        | LOUISIANA             | 2 | 840.00  |
| 91  | BAYOU MAISON LEE AT MAHAN'S BEL          | LOUISIANA             | 1 | 814.40  |
| 92  | LYNN LAKE                                | LOUISIANA             | 1 | 800.00  |
| 93  | MR. MOUTH OF DEER CR., ABOUT 10          | ARIZONA               | 1 | 786.10  |
| 94  | MONTELUONE R AT WOODBRIDGE               | LOUISIANA             | 2 | 750.00  |
| 95  | TUOLUMNE RIVER AT TUOLUMNE CITY          | CALIFORNIA            | 1 | 733.10  |
| 96  | PATAGONIA LAKE                           | CALIFORNIA            | 1 | 693.40  |
| 97  | TAMIA PL AT STONEY RIVER HAZARDOUS W     | ARIZONA               | 1 | 651.00  |
| 98  | ALAMO R IN CALIFORNIA                    | FLORIDA               | 1 | 650.00  |
| 99  | SAN FRANCISCO R. AT CLIFTON              | CALIFORNIA            | 1 | 639.30  |
| 100 | RAIN WATER INTAKE AT DAVENPORT           | ARIZONA               | 1 | 636.40  |
| 101 | OCULUS RIVER NEAR MAISON WATER INT       | ICWA                  | 1 | 600.00  |
| 102 | SANDY CR DR AND COMBUNDING CO AT A       | GEORGIA               | 1 | 600.00  |
| 103 | CUOSA RIVER AT LAZARUS ST LAKE BEAR      | GEORGIA               | 1 | 600.00  |
| 104 | ACADEMY DRAIN RDS AT CHARLOTTE NC        | GEORGIA               | 1 | 600.00  |
| 105 | MR. MOUTH OF CLARESS BAYOU, N OF         | NORTH CAROLINA        | 1 | 600.00  |
| 106 | BAYOU MAISON J MI E OF CHOWVILLE         | LOUISIANA             | 3 | 550.00  |
| 107 | ROCK SLOUGH AT DELTA RD BRIDGE           | LOUISIANA             | 1 | 530.00  |
| 108 | SAN JOAQUIN R AT ANTICCH HAMP            | CALIFORNIA            | 1 | 500.00  |
| 109 | DEL RIVER AT HIG DELL, DAVIS STREET      | CALIFORNIA            | 1 | 500.00  |
| 110 | LAS VEGAS RACH AT NORTH SHORE ROAD       | CALIFORNIA            | 1 | 500.00  |
| 111 | CALIVILLE LAY LAKE MEAD                  | NEVADA                | 1 | 500.00  |
| 112 | LAS VEGAS DAY LAKE MEAD                  | NEVADA                | 1 | 500.00  |

TABLE A-20. (Continued)

| Obs | LOC                                  | STATE          | N  | PLAN    |
|-----|--------------------------------------|----------------|----|---------|
| 113 | LAKE PILLSBURY NEAR SCOTT I DAM      | CALIFORNIA     | 1  | 500.000 |
| 114 | SAN JOAQUIN RIVER AT STANISLAUS CO.  | CALIFORNIA     | 1  | 500.000 |
| 115 | LAKE MENDOCINO AT Hwy 20 BRIDGE      | CALIFORNIA     | 1  | 500.000 |
| 116 | RUSSIAN RIVER AT UNION TREATMENT PL  | CALIFORNIA     | 1  | 500.000 |
| 117 | RUSSIAN RIVER - MONTE RIO            | CALIFORNIA     | 1  | 500.000 |
| 118 | RAID RIVER AT PSEET LAKE             | CALIFORNIA     | 1  | 500.000 |
| 119 | TRUCKEE RIVER AT PARAD               | CALIFORNIA     | 1  | 500.000 |
| 120 | TRUCKEE RIVER AT LOCKWOOD            | ARIZONA        | 1  | 500.000 |
| 121 | SANTA CRUZ BELOW HUGGER ROAD WASTE W | ARIZONA        | 1  | 500.000 |
| 122 | OTHER WATERS IN LUNBUCK              | TEXAS          | 1  | 500.000 |
| 123 | SANDY CR RR ABL CORPONDING CO AT A   | GEORGIA        | 1  | 500.000 |
| 124 | EAGLE LAKE NEAR VICKSBURG MS         | MISSISSIPPI    | 1  | 500.000 |
| 125 | CALAMAZAS C TRIF AT MT EDEN ROAD NH  | CALIFORNIA     | 1  | 449.400 |
| 126 | TOMPKS CHEMICAL CO AREA HAZARDOUS WA | FLORIDA        | 1  | 400.000 |
| 127 | TOMPKS CHEMICAL CO AREA HAZARDOUS WA | FLORIDA        | 1  | 400.000 |
| 128 | MEMPHIS AREA HAZARDOUS WASTE SITE J  | TENNESSEE      | 1  | 400.000 |
| 129 | WILSON CR AT S-24-101                | SOUTH CAROLINA | 1  | 381.000 |
| 130 | LAKE PROVIDENCE- BELOW JCT LA-2 & U  | LOUISIANA      | 1  | 379.000 |
| 131 | STADLER CHEMICAL -- UNLINED ALUM P   | CHICAGO        | 1  | 356.000 |
| 132 | ST. FRANCIS RIVER AT PARKIN, ARK.    | ARKANSAS       | 2  | 332.500 |
| 133 | DOWNTOWN SIDE HWY 200 BE             | IOWA           | 1  | 300.000 |
| 134 | IOWA RIVER AT MARSHALLTOWN WTP       | IOWA           | 1  | 300.000 |
| 135 | LITTLE SIoux R UPRT OF SPENCER       | IOWA           | 1  | 300.000 |
| 136 | LITTLE SIoux R AT LIND GROVE         | IOWA           | 1  | 300.000 |
| 137 | MEMPHIS TENN AT HOLLYWOOD RD AREA S  | TENNESSEE      | 1  | 300.000 |
| 138 | MEMPHIS TENN AT HOLLYWOOD RD AREA S  | TENNESSEE      | 1  | 300.000 |
| 139 | MEMPHIS TENN AT FRATYER POND AREA S  | TENNESSEE      | 1  | 300.000 |
| 140 | MEMPHIS TENN AT FRATYER POND AREA S  | TENNESSEE      | 1  | 300.000 |
| 141 | MEMPHIS AREA HAZARDOUS WASTE SITE J  | TENNESSEE      | 1  | 300.000 |
| 142 | NEAR MOUTH OF CAMP BAYOU, S OF N     | LOUISIANA      | 1  | 260.000 |
| 143 | CLEAR FORK OF TRINITY R AT FORT      | TEXAS          | 1  | 259.000 |
| 144 | LIND COULEE WASTEWAY                 | WASHINGTON     | 27 | 250.000 |
| 145 | WINGOLD WASTEWAY- ENTIRS COLUMBIA R  | WASHINGTON     | 29 | 250.000 |
| 146 | CHAB CREEK LATERAL WASTEWAY NEAR CO  | WASHINGTON     | 27 | 250.000 |
| 147 | PERCHMAN HILLS WASTEWAY NE POTHOLE   | WASHINGTON     | 15 | 250.000 |
| 148 | TRINITY R SO LOOP SHIZ B/DALLAS      | TEXAS          | 1  | 250.000 |
| 149 | AMERASAS RIVER AT SAND SPRINGS       | OKLAHOMA       | 1  | 250.000 |

TABLE A-21. FRESHWATER REGIONS CONTAINING ELEVATED SEDIMENT LEVELS OF PCB  
CONCENTRATIONS ARE IN  $\mu\text{g/kg}$

| OBS | LOC                                  | STATE          | N | MEAN   |
|-----|--------------------------------------|----------------|---|--------|
| 1   | LONDON SERVICES CO AT LONDON GA TO   | GEORGIA        | 1 | 100000 |
| 2   | WAYNESBORO TN HAZARDOUS WASTE SANPL  | TENNESSEE      | 1 | 90000  |
| 3   | INDIANA HARBOR                       | INDIANA        | 1 | 25100  |
| 4   | INDIANA HARBOR                       | INDIANA        | 1 | 21300  |
| 5   | INDIANA HARBOR                       | INDIANA        | 1 | 20900  |
| 6   | INDIANA HARBOR                       | INDIANA        | 2 | 20500  |
| 7   | TOWN CREEK AT COUNTY ROAD 23 BRIDGE  | SOUTH CAROLINA | 1 | 10190  |
| 8   | LAKE HARTWELL 1/2 MI CK AT SC HWY 13 | SOUTH CAROLINA | 1 | 13900  |
| 9   | HUDSON R PERKINSILL BAY              | NEW YORK       | 1 | 10200  |
| 10  | SANDY CR NW ABC COMPOUNDING CO AT A  | GEORGIA        | 1 | 10000  |
| 11  | INDIANA HARBOR                       | INDIANA        | 1 | 9500   |
| 12  | ATHENS STP NO 2 AT ATHENS GA TO RID  | GEORGIA        | 2 | 9150   |
| 13  | SAGINAW RIVER                        | MICHIGAN       | 1 | 9100   |
| 14  | SAGINAW RIVER                        | MICHIGAN       | 1 | 8800   |
| 15  | HUDSON R FORTMONT COVE               | NEW YORK       | 1 | 8500   |
| 16  | VER                                  | MICHIGAN       | 1 | 8100   |
| 17  | HARITAN RIVER INDIANAN AT KINHOUC LA | NEW JERSEY     | 1 | 7600   |
| 18  | INDIANA HARBOR                       | INDIANA        | 1 | 6500   |
| 19  | ATHENS STP NO 1 AT ATHENS GA TO MON  | GEORGIA        | 1 | 6500   |
| 20  | INDIANA HARBOR                       | INDIANA        | 1 | 5600   |
| 21  | T E HARBOR STP AT MEMPHIS TN TO MISS | TENNESSEE      | 1 | 5000   |
| 22  | MEMPHIS AREA HAZARDOUS WASTE SITE 1  | TENNESSEE      | 1 | 5000   |
| 23  | SAGINAW RIVER                        | MICHIGAN       | 1 | 4900   |
| 24  | SAGINAW RIVER                        | MICHIGAN       | 1 | 4700   |
| 25  | INDIANA HARBOR                       | INDIANA        | 1 | 4400   |
| 26  | VER                                  | MICHIGAN       | 1 | 4000   |
| 27  | TOWN CREEK STP AT CHARLOTTE NC TO    | NORTH CAROLINA | 1 | 4000   |
| 28  | SAGINAW RIVER                        | MICHIGAN       | 1 | 3800   |
| 29  | INDIANA HARBOR                       | INDIANA        | 1 | 3400   |
| 30  | HILO BAY                             | HAWAII         | 1 | 3333   |
| 31  | HUDSON R CAVEN POINT                 | NEW YORK       | 1 | 3300   |
| 32  | SAGINAW RIVER                        | MICHIGAN       | 1 | 3200   |
| 33  | LAKE HARTWELL SENECA R 0.1 MI NW AD  | SOUTH CAROLINA | 1 | 3120   |
| 34  | LAKE HARTWELL SENECA R 0.1 MI DNST   | SOUTH CAROLINA | 1 | 2990   |
| 35  | 1100 FT UPSTAIR BANK PONY BRIDGE SEE | RHODE ISLAND   | 2 | 2846   |
| 36  | MAWILLI BAY                          | HAWAII         | 1 | 2717   |
| 37  | TOWN CREEK AT COUNTY ROAD 32 BRIDGE  | SOUTH CAROLINA | 1 | 2710   |
| 38  | SAGINAW RIVER                        | MICHIGAN       | 1 | 2630   |
| 39  | WESTINGHOUSE BATH SEVEN              | INDIANA        | 1 | 2600   |
| 40  | SAGINAW BAY                          | MICHIGAN       | 1 | 2600   |
| 41  | SAGINAW RIVER                        | MICHIGAN       | 1 | 2600   |
| 42  | VER                                  | MICHIGAN       | 1 | 2600   |
| 43  | LAKE HARTWELL SENECA R 0.1 MI DNST   | SOUTH CAROLINA | 1 | 2600   |
| 44  | ATHENS STP NO 1 AT ATHENS GA TO MON  | GEORGIA        | 1 | 2400   |
| 45  | 12-MILE CR AT SC HWY 103 BRIDGE      | SOUTH CAROLINA | 1 | 2380   |
| 46  | GILA RIVER AT GILLESPIE DAM          | ARIZONA        | 1 | 2232   |
| 47  | LAKE HARTWELL SENECA RIVER 1.0 MI D  | SOUTH CAROLINA | 1 | 2220   |
| 48  | VER                                  | MICHIGAN       | 1 | 2200   |
| 49  | SAGINAW RIVER                        | MICHIGAN       | 1 | 2200   |
| 50  | SAGINAW RIVER                        | MICHIGAN       | 1 | 2000   |
| 51  | ALAMO LAKE                           | ARIZONA        | 1 | 1971   |
| 52  | HURRULT RIVER @ INLAY                | BRVADA         | 1 | 1857   |
| 53  | TUHA RIVER NEAR GARTSVILLE           | CALIFORNIA     | 1 | 1810   |
| 54  | KANULUI HARBOR                       | HAWAII         | 1 | 1803   |
| 55  | SAGINAW RIVER                        | MICHIGAN       | 1 | 1806   |
| 56  | AMERICAN R. AT ELIPANTO ST.          | CALIFORNIA     | 1 | 1750   |

TABLE A-21. (Continued)

| Obs | LUC                                   | STATE          | N | Mean    |
|-----|---------------------------------------|----------------|---|---------|
| 57  | BUFFALO CR AT AMERICAN RIVER          | CALIFORNIA     | 1 | 1720.00 |
| 58  | CARSON R @ NEW EMPIRE                 | NEVADA         | 1 | 1714.00 |
| 59  | SALINAS RIVER AT GONZALES             | CALIFORNIA     | 1 | 1699.00 |
| 60  | BOULDER CREEK AT MOUTH                | ARIZONA        | 1 | 1698.00 |
| 61  | CARSON R. @ RIVERVIEW                 | NEVADA         | 1 | 1664.00 |
| 62  | LAKE HANTWELL 12 MI CR AT MAIN BRIDGE | SOUTH CAROLINA | 1 | 1660.00 |
| 63  | OMAHA R @ TINEHANA RES.               | CALIFORNIA     | 1 | 1640.00 |
| 64  | SANTA ANA RIVER BELOW PRADO DAM       | CALIFORNIA     | 1 | 1631.00 |
| 65  | SAGINAW BAY                           | MICHIGAN       | 1 | 1600.00 |
| 66  | BOULDER CREEK ABOVE WILDER CREEK      | ARIZONA        | 1 | 1594.00 |
| 67  | AMERICAN R. ABOVE SUNNISE RR          | CALIFORNIA     | 1 | 1590.00 |
| 68  | AMERICAN R. AT MATTS AVE.             | CALIFORNIA     | 1 | 1590.00 |
| 69  | COPPER CREEK @ BOULDER CREEK          | ARIZONA        | 1 | 1551.00 |
| 70  | LAKE TAHOE AT SAND HARBOR             | NEVADA         | 1 | 1535.00 |
| 71  | INDIANA HARBOR                        | INDIANA        | 1 | 1500.00 |
| 72  | SAGINAW BAY                           | MICHIGAN       | 1 | 1500.00 |
| 73  | SAGINAW RIVER                         | MICHIGAN       | 1 | 1500.00 |
| 74  | LANOMTAN DAM                          | NEVADA         | 1 | 1463.00 |
| 75  | COLORADO RIVER BELOW PAMELA DAM       | ARIZONA        | 1 | 1461.00 |
| 76  | INDIANA HARBOR                        | INDIANA        | 1 | 1400.00 |
| 77  | SAGINAW RIVER                         | MICHIGAN       | 1 | 1400.00 |
| 78  | COLORADO R. @ YUMA                    | ARIZONA        | 1 | 1399.00 |
| 79  | CLEVELAND HARBOR                      | OHIO           | 1 | 1320.00 |
| 80  | SAGINAW RIVER                         | MICHIGAN       | 1 | 1300.00 |
| 81  | PEARL HARBOR E. LOCK                  | HAWAII         | 1 | 1250.00 |
| 82  | ALA WAI CANAL                         | HAWAII         | 1 | 1250.00 |
| 83  | E. FORK OUYHEE RIVER @ OUYHEE         | NEVADA         | 1 | 1250.00 |
| 84  | SAGINAW BAY                           | MICHIGAN       | 1 | 1200.00 |
| 85  | SAGINAW RIVER                         | MICHIGAN       | 1 | 1200.00 |
| 86  | SAGINAW RIVER                         | MICHIGAN       | 1 | 1200.00 |
| 87  | SAGINAW BAY                           | MICHIGAN       | 1 | 1100.00 |
| 88  | ASHTABULA HARBOR, OHIO                | OHIO           | 1 | 1000.00 |
| 89  | SAGINAW BAY                           | MICHIGAN       | 1 | 1000.00 |
| 90  | SAGINAW RIVER                         | MICHIGAN       | 1 | 1000.00 |
| 91  | SAGINAW RIVER                         | MICHIGAN       | 1 | 1000.00 |
| 92  | SAGINAW RIVER                         | MICHIGAN       | 1 | 1000.00 |
| 93  | MILLINGTON STP AT MILLINGTON TN TO    | TENNESSEE      | 1 | 1000.00 |
| 94  | CLEVELAND HARBOR                      | OHIO           | 1 | 980.00  |
| 95  | CLEVELAND HARBOR                      | OHIO           | 1 | 971.00  |
| 96  | ROOSEVELT LAKE SALT L. ARM            | ARIZONA        | 1 | 963.30  |
| 97  | CLEVELAND HARBOR                      | OHIO           | 1 | 903.00  |
| 98  | SAGINAW BAY                           | MICHIGAN       | 1 | 900.00  |
| 99  | SAGINAW BAY                           | MICHIGAN       | 1 | 900.00  |
| 100 | CLEVELAND HARBOR                      | OHIO           | 2 | 897.00  |
| 101 | CLEVELAND HARBOR                      | OHIO           | 1 | 896.00  |
| 102 | CLEVELAND HARBOR                      | OHIO           | 1 | 882.00  |
| 103 | CLEVELAND HARBOR                      | OHIO           | 1 | 855.00  |
| 104 | LAKE HANTWELL KROUZE B 1.0 MI UPSTN   | SOUTH CAROLINA | 1 | 840.00  |
| 105 | CLEVELAND HARBOR                      | OHIO           | 2 | 812.00  |
| 106 | SAGINAW BAY                           | MICHIGAN       | 1 | 800.00  |
| 107 | SAGINAW RIVER                         | MICHIGAN       | 1 | 800.00  |
| 108 | LYNN LAKE                             | ARIZONA        | 1 | 786.10  |
| 109 | CLEVELAND HARBOR                      | OHIO           | 1 | 784.00  |
| 110 | CLEVELAND HARBOR                      | OHIO           | 1 | 764.00  |
| 111 | HUDSON R STONY POINT                  | NEW YORK       | 1 | 740.00  |
| 112 | CLEVELAND HARBOR                      | OHIO           | 2 | 735.00  |

TABLE A-21. (Continued)

| OBS | LOC                                  | STATE          | N | MEAN    |
|-----|--------------------------------------|----------------|---|---------|
| 113 | MOCKLUMNE R AT MOCKBRIDGE            | CALIFORNIA     | 1 | 733.100 |
| 114 | OGDENSBURG                           | NEW YORK       | 1 | 700.000 |
| 115 | SAGINAW BAY                          | MICHIGAN       | 1 | 700.000 |
| 116 | SAGINAW RIVER                        | MICHIGAN       | 1 | 700.000 |
| 117 | TUOLUMNE RIVER AT TUOLUMNE CITY      | CALIFORNIA     | 1 | 693.400 |
| 118 | CLEVELAND HARBOR                     | OHIO           | 1 | 683.000 |
| 119 | CLEVELAND HARBOR                     | OHIO           | 1 | 660.000 |
| 120 | PATAGONIA LAKE                       | ARIZONA        | 1 | 651.000 |
| 121 | ALAMO R NH CALIFORNIA                | CALIFORNIA     | 1 | 639.300 |
| 122 | SAN FRANCISCO R. AT CLIFTON          | ARIZONA        | 1 | 636.900 |
| 123 | LAKE HANTWELL TUGALOO R AT PATNES C  | GEORGIA        | 1 | 610.000 |
| 124 | SAGINAW BAY                          | MICHIGAN       | 1 | 600.000 |
| 125 | SAGINAW RIVER                        | MICHIGAN       | 1 | 600.000 |
| 126 | CLEVELAND HARBOR                     | OHIO           | 1 | 547.000 |
| 127 | SAINT LOUIS RIVER                    | WISCONSIN      | 1 | 500.000 |
| 128 | SAGINAW RIVER                        | MICHIGAN       | 1 | 500.000 |
| 129 | MOCK SLOUGH AT DELTA RD BRIDGE       | CALIFORNIA     | 1 | 500.000 |
| 130 | SAN JOAQUIN R AT ANTIOCH HARB        | CALIFORNIA     | 1 | 500.000 |
| 131 | FEEL RIVER AT RJC DELL, DAVIS STREET | CALIFORNIA     | 1 | 500.000 |
| 132 | LAS VEGAS WASH AT BUNTH SHORE ROAD   | NEVADA         | 1 | 500.000 |
| 133 | CALLVILLE BAY LAKE HEAD              | NEVADA         | 1 | 500.000 |
| 134 | LAS VEGAS BAY LAKE HEAD              | NEVADA         | 1 | 500.000 |
| 135 | LAKE PILLSBURY BEAN SCOTT D DAM      | CALIFORNIA     | 1 | 500.000 |
| 136 | SAN JOAQUIN RIVER AT STANISLAUS CO.  | CALIFORNIA     | 1 | 500.000 |
| 137 | LAKE BENDOCING AT HWY 20 BRIDGE      | CALIFORNIA     | 1 | 500.000 |
| 138 | RUSSIAN RIVER AT UKIAN THEATRE PL    | CALIFORNIA     | 1 | 500.000 |
| 139 | RUSSIAN RIVER - MONTE RIO            | CALIFORNIA     | 1 | 500.000 |
| 140 | RED RIVER AT ESSLER LAKE             | CALIFORNIA     | 1 | 500.000 |
| 141 | TRUCKEE RIVER AT LAHAR               | CALIFORNIA     | 1 | 500.000 |
| 142 | TRUCKEE RIVER AT LOCKWOOD            | NEVADA         | 1 | 500.000 |
| 143 | SANTA CRUZ BELOW LOWER ROAD WASTE N  | ARIZONA        | 1 | 500.000 |
| 144 | CLEVELAND HARBOR                     | OHIO           | 1 | 482.000 |
| 145 | CLEVELAND HARBOR                     | OHIO           | 1 | 466.000 |
| 146 | LAKE HANTWELL CONERROSS CR AT COUNTY | SOUTH CAROLINA | 1 | 450.000 |
| 147 | CLEVELAND HARBOR                     | OHIO           | 1 | 442.000 |
| 148 | CLEVELAND HARBOR                     | OHIO           | 1 | 436.000 |
| 149 | CLEVELAND HARBOR                     | OHIO           | 3 | 409.667 |
| 150 | SAGINAW RIVER                        | MICHIGAN       | 1 | 400.000 |
| 151 | LITTLE ARKANSAS R AT PINE ST         | KANSAS         | 1 | 400.000 |
| 152 | STAUFFER CHEMICAL -- UNLINED ALUM P  | OHIO           | 1 | 350.000 |
| 153 | CLEVELAND HARBOR                     | OHIO           | 1 | 349.000 |
| 154 | RED RIVER MAIN & FIRST AT LANGO      | MINNESOTA      | 1 | 332.000 |
| 155 | CLEVELAND HARBOR                     | OHIO           | 1 | 320.000 |
| 156 | LAKE HANTWELL 12 MI CR AT COUNTY RD  | SOUTH CAROLINA | 1 | 320.000 |
| 157 | TOWEN CHEMICAL CO AREA HAZARDOUS WA  | FLORIDA        | 1 | 300.000 |
| 158 | TOWEN CHEMICAL CO AREA HAZARDOUS WA  | FLORIDA        | 1 | 300.000 |
| 159 | MEMPHIS TENN AT HOLLYWOOD RD AREA 5  | TENNESSEE      | 1 | 300.000 |
| 160 | MEMPHIS TENN AT HOLLYWOOD RD AREA 5  | TENNESSEE      | 1 | 300.000 |
| 161 | MEMPHIS AREA HAZARDOUS WASTE SITE 1  | TENNESSEE      | 1 | 300.000 |
| 162 | MEMPHIS AREA HAZARDOUS WASTE SITE 1  | TENNESSEE      | 1 | 300.000 |
| 163 | CLEVELAND HARBOR                     | OHIO           | 1 | 290.000 |
| 164 | SANDUSKY HARBOR                      | OHIO           | 1 | 290.000 |
| 165 | 12-MILE CR AT SL HWY 137 BRIDGE      | SOUTH CAROLINA | 1 | 270.000 |
| 166 | LAKE HANTWELL SERECA A MID STNM AT   | SOUTH CAROLINA | 1 | 260.000 |
| 167 | INDUSTRIAL CHEM CO PLANT SITE NH RD  | SOUTH CAROLINA | 1 | 240.000 |
| 168 | INDUSTRIAL CHEM CO LANDFILL NH RD    | SOUTH CAROLINA | 1 | 240.000 |

TABLE A-21. (Continued)

| Obs | LOC                                  | STATE            | N | SPAN |
|-----|--------------------------------------|------------------|---|------|
| 169 | TAMPA PI AT STONEY RIVE HAZARDOUS W  | FLORIDA          | 1 | 230  |
| 170 | N FA 12MILE CR AT COUNTY RD 156 B&I  | SOUTH CAROLINA   | 1 | 230  |
| 171 | LAKES TETONNA AT WATER               | MONTANA          | 1 | 211  |
| 172 | SAINT LOUIS RIVER                    | MISSOURI         | 1 | 210  |
| 173 | CLEVELAND HARBOR                     | OHIO             | 1 | 207  |
| 174 | MIDCHANNEL NORTH OF BAY ISLE         | CALIFORNIA       | 2 | 200  |
| 175 | MIDCHANNEL EAST OF 28TH STREET       | CALIFORNIA       | 2 | 200  |
| 176 | MIDASIN E OF NEWPORT BRIDGE          | CALIFORNIA       | 2 | 200  |
| 177 | PENSADELL HARBOR                     | MISSOURI         | 1 | 200  |
| 178 | PORT WASHINGTON                      | MISSOURI         | 1 | 200  |
| 179 | INTAKE AVENUE BRIDGE                 | CALIFORNIA       | 2 | 200  |
| 180 | CAMPUS DRIVE BRIDGE                  | CALIFORNIA       | 2 | 200  |
| 181 | SAGINAW RIVER                        | MICHIGAN         | 1 | 200  |
| 182 | KANSAS CITY WATER TREATMENT PLT.     | MISSOURI         | 1 | 200  |
| 183 | MISSOURI RIVER NEAR 1400 BRIDGE      | MISSOURI         | 1 | 200  |
| 184 | MISSOURI RIVER AT SIOUX CITY         | MISSOURI         | 1 | 200  |
| 185 | KANSAS RIVER SUPPLY NO 1             | KANSAS           | 1 | 200  |
| 186 | NO WATER COMPANY WATER SUPPLY        | MISSOURI         | 1 | 200  |
| 187 | ASHLAND STP AT ASHLAND AL TO BOWSER  | ALABAMA          | 1 | 200  |
| 188 | JACKSONVILLE STP AT JACKSONVILLE AL  | ALABAMA          | 1 | 200  |
| 189 | DRAIN 30 OFF BURN OAK ROAD; BROWN    | MICHIGAN         | 1 | 200  |
| 190 | CO DR 30 AT MATTHEW LN RD; BROWN     | MICHIGAN         | 1 | 200  |
| 191 | CO DR 30 OFF INDUSTRIAL RD; BROWN    | MICHIGAN         | 1 | 200  |
| 192 | CO DR 30 BELOW WWP LAGOONS; BROWN    | MICHIGAN         | 1 | 200  |
| 193 | CO DR 30 BELOW BROWN WWP; BROWN      | MICHIGAN         | 1 | 200  |
| 194 | AT GAGING STATION                    | GEORGIA          | 1 | 200  |
| 195 | BOULE ALI FORCE BASE AT VALDOSTA GA  | GEORGIA          | 1 | 200  |
| 196 | BEAN CREEK AT US-127 BR; PITTSBURGH  | MICHIGAN         | 1 | 200  |
| 197 | NORTHSIDE STP AT DURHAM NC TO ELLEN  | NORTH CAROLINA   | 1 | 200  |
| 198 | TARBORO STP AT TARBORO NC TO IAR NE  | NORTH CAROLINA   | 2 | 200  |
| 199 | WADESBORO STP AT WADESBORO NC TO BR  | NORTH CAROLINA   | 1 | 200  |
| 200 | NAPLE CREEK STP AT GREER SC TO NAPL  | SOUTH CAROLINA   | 1 | 200  |
| 201 | BEAN CREEK AT NELSON ROAD; HUDSON T  | MICHIGAN         | 1 | 200  |
| 202 | N. HAISIN AT SUTTON RD; HAISIN TWP.  | MICHIGAN         | 1 | 200  |
| 203 | BLACK CR AT LIONS HWY; FAIRFIELD T   | MICHIGAN         | 1 | 200  |
| 204 | BLACK CREEK AT TERRY HWY; FAIRFIELD  | MICHIGAN         | 1 | 200  |
| 205 | BLACK CREEK AT BUSH HWY; FAIRFIELD   | MICHIGAN         | 1 | 200  |
| 206 | HAISIN RIVER AT MILL ROAD; HAISIN T  | ILLINOIS CO., MI | 1 | 200  |
| 207 | BLACK CR AT SAND CREEK HWY IN CITY   | MICHIGAN         | 1 | 200  |
| 208 | BLACK CR AT N-54 BRIDGE; FAIRFIELD   | MICHIGAN         | 1 | 200  |
| 209 | BEAN CREEK AT MECHANIC ST BR; IN HW  | MICHIGAN         | 1 | 200  |
| 210 | BEAN CREEK AT US-127 BR; HUDSON TWP  | MICHIGAN         | 1 | 200  |
| 211 | WESTON DRAIN AT SOUTH; FAIRFIELD T   | MICHIGAN         | 1 | 200  |
| 212 | BHUSH CR STP AT JOHNSON CITY TN TO   | TENNESSEE        | 1 | 200  |
| 213 | EAST STP AT OAK BRIDGE TN TO CLINCH  | TENNESSEE        | 1 | 200  |
| 214 | WEST STP AT OAK BRIDGE TN TO EAST TO | TENNESSEE        | 2 | 200  |
| 215 | MEMPHIS TRNH AT HOLLYWOOD BR AREA 5  | TENNESSEE        | 1 | 200  |
| 216 |                                      | TENNESSEE        | 1 | 200  |
| 217 |                                      | TENNESSEE        | 1 | 200  |
| 218 | WILSON ROAD BRIDGE                   | TENNESSEE        | 1 | 200  |
| 219 | EAST 30TH STREET BRIDGE              | TENNESSEE        | 2 | 200  |
| 220 | RAILROAD BRIDGE                      | TENNESSEE        | 1 | 200  |
| 221 | TRIBUTARY TO CHATTANOOGA CREEK 2.4   | TENNESSEE        | 1 | 200  |
| 222 | TRIBUTARY TO CHATTANOOGA CREEK 0.3   | TENNESSEE        | 1 | 200  |
| 223 | POND NEAR TENNESSEE-GEORGIA STATE L  | TENNESSEE        | 1 | 200  |
| 224 | OGEMAN CREEK AT N-76 BR; WEST BRANC  | MICHIGAN         | 1 | 200  |

TABLE A-21. (Continued)

| OBS | LOC                                    | STATE            | N | MEAN |
|-----|----------------------------------------|------------------|---|------|
| 225 | OGEMAW CREEK AT S VALLEY RD BR IN W    | MICHIGAN         | 1 | 200  |
| 226 | OGEMAW CR OFF BROOKSIDE CEM; W. DMA    | MICHIGAN         | 1 | 200  |
| 227 | OGEMAW CR 1/2 MI WSTN OF R-76; W B     | MICHIGAN         | 1 | 200  |
| 228 | W BR BLACK R WSTN 104TH AVE; ZEEB      | MICHIGAN         | 1 | 200  |
| 229 | W BR BLACK R AT 106TH AVE FH; KULLA    | MICHIGAN         | 1 | 200  |
| 230 | W BR BLACK R AT R-21 BR; HOLLAND TR    | MICHIGAN         | 1 | 200  |
| 231 | RAISIN R. AT AUSTIN RD.; HAMCHESTER    | MICHIGAN         | 1 | 200  |
| 232 | R RAISIN AT SHALON VALLEY RD; SHARU    | MICHIGAN CO., MI | 1 | 200  |
| 233 | RAISIN R AT DUNCAN ST BRIDGE IN MAN    | MICHIGAN         | 1 | 200  |
| 234 | RAISIN R 0.5 MI OFF AUSTIN RD; BRIDGEN | MICHIGAN         | 1 | 200  |

TABLE A-22. FRESHWATER REGIONS CONTAINING ELEVATED SEDIMENT LEVELS OF CYANIDE.  
CONCENTRATIONS ARE IN mg/kg.

| Obs | LOC                                   | STATE        | n | BLBP    |
|-----|---------------------------------------|--------------|---|---------|
| 1   | QUEEN ST RT TO BRIDGE 100 FT US RM    | CONNECTICUT  | 1 | 9880.00 |
| 2   | COLLIS PROCESS WASTE SLUDGE           | IOWA         | 1 | 8500.00 |
| 3   | MIDDLE ST BRIDGE .5 MI US EAST BANK   | CONNECTICUT  | 1 | 1850.00 |
| 4   | WOODBOND AVE BRIDGE 75 FT US WESTBA   | CONNECTICUT  | 1 | 1500.00 |
| 5   | CHARTISS ST. BRIDGE BEHIND LUMPHOUSE  | CONNECTICUT  | 1 | 770.00  |
| 6   | JOHN DEERE SLUDGE                     | IOWA         | 1 | 770.00  |
| 7   | MIDDLE ST BRIDGE 50 FT US BRISTOL     | CONNECTICUT  | 1 | 760.00  |
| 8   | LAZY LANE BRIDGE WEST BANK 150 FT U   | CONNECTICUT  | 1 | 690.00  |
| 9   | RED CEDAR 100FT WEST UTILEX DISC; HA  | MICHIGAN     | 2 | 922.00  |
| 10  | MECHES R SHOT NO OF PONT ANTHON       | TEXAS        | 4 | 377.33  |
| 11  | CROOKED ST BRIDGE .2 MI US SOUTH BA   | CONNECTICUT  | 1 | 320.00  |
| 12  | PT DODGE DIGESTED SLUDGE              | IOWA         | 1 | 200.00  |
| 13  | ATLANTIC STP DIGESTED SLUDGE          | IOWA         | 1 | 73.00   |
| 14  | ENCAMPMENT RIVER WATER VALLEY         | WYOMING      | 1 | 59.00   |
| 15  | DES MOINES STP DIGESTED SLUDGE        | IOWA         | 1 | 54.00   |
| 16  | CORANCHO STP DIGESTED SLUDGE          | IOWA         | 1 | 36.00   |
| 17  | WALNUT C AT MECKLEN, KS               | KANSAS       | 1 | 36.99   |
| 18  | FLAT HATHOOD COMP OUTFALL 002; LOW    | MICHIGAN     | 1 | 30.00   |
| 19  | DES PLAINES RIVER AT ROCKDALE, IL     | ILLINOIS     | 3 | 29.67   |
| 20  | BLOWEST WFC SLUDGE                    | IOWA         | 1 | 26.00   |
| 21  | CLEVELAND HARBOR                      | OHIO         | 1 | 22.00   |
| 22  | ORE LAKE IN WEST BASIN; HARBURG TWP   | MICHIGAN     | 1 | 20.00   |
| 23  | LOMAIS, OHIO                          | OHIO         | 1 | 17.69   |
| 24  | MEKOR STP DIGESTED SLUDGE             | IOWA         | 1 | 15.00   |
| 25  | CO DR 30 BELOW WHIP LAGOONS; BROWN    | MICHIGAN     | 1 | 15.00   |
| 26  | CO DR 30 BELOW BROWN WHIP; BROWN      | MICHIGAN     | 1 | 15.00   |
| 27  | CLEVELAND HARBOR                      | OHIO         | 1 | 14.00   |
| 28  | CLEVELAND HARBOR                      | OHIO         | 1 | 14.00   |
| 29  | CLEVELAND HARBOR                      | OHIO         | 1 | 12.00   |
| 30  | RED CEDAR R. AT VAN BUREN RD; HARDY   | MICHIGAN     | 1 | 11.00   |
| 31  | JORDAN LA-SOUTHWEST BASIN; WOODLAND   | MICHIGAN     | 1 | 10.00   |
| 32  | CROOKED LA (UP PT)-SW BASIN; PHAIRLEY | MICHIGAN     | 1 | 10.00   |
| 33  | HOBBISSON LAE-WEST BASIN; GIMARR      | MICHIGAN     | 1 | 10.00   |
| 34  | DIAMOND LAKE-EAST BASIN; PLANK TWP.   | MICHIGAN     | 1 | 10.00   |
| 35  | FISH LAKE IN CENTRAL BASIN; MANCELL   | MICHIGAN     | 1 | 10.00   |
| 36  | LONG LAKE IN WEST BASIN; ORLEANS TWP  | MICHIGAN     | 1 | 10.00   |
| 37  | MARTIN LAKE-WEST BASIN; SCHOUICKRAFT  | MICHIGAN     | 1 | 10.00   |
| 38  | LONG LAKE-CENTRAL BASIN; PAVILION T   | MICHIGAN     | 1 | 10.00   |
| 39  | LINCOLN LAKE-CENTRAL BASIN; SPENCER   | MICHIGAN     | 1 | 10.00   |
| 40  | MURRAY LAKE IN EAST BASIN; CHATTAN    | MICHIGAN     | 1 | 10.00   |
| 41  | MURRAY LAKE IN SW BASIN; CHATTAN TWP  | MICHIGAN     | 1 | 10.00   |
| 42  | RED CEDAR JUST WEST UTILEX DISC; HA   | MICHIGAN     | 1 | 10.00   |
| 43  | GALLAGHER LA IN W-EAST BASIN, HARBOR  | MICHIGAN     | 1 | 10.00   |
| 44  | WHITEFORD LA IN S-CENT BASIN, HARBOR  | MICHIGAN     | 1 | 10.00   |
| 45  | STANBERRY LA IN W BASIN, HARBURG      | MICHIGAN     | 1 | 10.00   |
| 46  | LAKE MACATANA IN WEST BASIN; PARK T   | MICHIGAN     | 1 | 10.00   |
| 47  | LONG LAKE IN CENTRAL BASIN; COLUM T   | MICHIGAN     | 1 | 10.00   |
| 48  | PALMER LAKE IN CENTRAL BASIN; COLON   | MICHIGAN     | 1 | 10.00   |
| 49  | DAYSPORT DIGESTED SLUDGE              | ICHA         | 1 | 9.10    |
| 50  | HOBBISSON LA IN CENTRAL BASIN, GIMARR | MICHIGAN     | 1 | 8.00    |
| 51  | STANBERRY LA IN W-CENT BASIN HARBOR   | MICHIGAN     | 1 | 8.00    |
| 52  | MONROE HARBOR                         | MICHIGAN     | 1 | 7.00    |
| 53  | BASS LAKE LAKE-W.E. BASIN; HARBURG    | MICHIGAN     | 2 | 7.56    |
| 54  | STANBERRY LA IN E-CENT BASIN HARBOR   | MICHIGAN     | 2 | 7.50    |
| 55  | ALLIANCE R. AT NEW KENSINGTON         | PENNSYLVANIA | 1 | 1.40    |
| 56  | FLAT HATHOOD COMP OUTFALL 001; LOW    | MICHIGAN     | 1 | 7.20    |

TABLE A-22. (Continued)

| OBS | LOC                                   | STATE            | N | MEAN    |
|-----|---------------------------------------|------------------|---|---------|
| 57  | DES PLAINES RIVER AT CEDAR CR NB MI   | ILLINOIS         | 1 | 7.00000 |
| 58  | L. BLACK CR OST SHERMAN RD; FRUITPORT | MICHIGAN         | 2 | 6.84450 |
| 59  | RED CEDAR 100 FT DYST UTILEX DISC; MI | MICHIGAN         | 1 | 6.19900 |
| 60  | CHAIG LR N-CENT BASIN, GINARD TWP.    | MICHIGAN         | 2 | 6.00000 |
| 61  | NORTH LR IN CENTRAL BASIN, COLDWATER  | MICHIGAN         | 2 | 6.00000 |
| 62  | SOUTH LR IN N-WEST BASIN, COLDWATER   | MICHIGAN         | 2 | 6.00000 |
| 63  | LORAIN, OHIO                          | OHIO             | 1 | 5.59900 |
| 64  | KANAWHA RIVER AT CHELTAN              | WEST VIRGINIA    | 1 | 5.59900 |
| 65  | LITTLE BLACK CR AT FIRST ST.; MORTO   | MUSKEGON CO., MI | 1 | 5.50000 |
| 66  | L. PLACK CR BEDWAY AVE; FRUITPORT     | MUSKEGON CO., MI | 1 | 5.50000 |
| 67  | LORAIN, OHIO                          | OHIO             | 1 | 5.00000 |
| 68  | CANTON LR IN NW BASIN, HASTINGS TWP   | MICHIGAN         | 1 | 5.00000 |
| 69  | LONG LR IN CENT BASIN, NOPE TWP, SE   | MICHIGAN         | 1 | 5.00000 |
| 70  | PINE LR IN NE BASIN, PHAIRIEVILLE T   | MICHIGAN         | 1 | 5.00000 |
| 71  | BARKLE LAKE IN SOUTH BASIN; QUINCY    | MICHIGAN         | 1 | 5.00000 |
| 72  | BARKLE LAKE IN NORTH BASIN; QUINCY    | MICHIGAN         | 1 | 5.00000 |
| 73  | CO DR 10 AT HATTISON LR RD; HUNTERSON | MICHIGAN         | 1 | 5.00000 |
| 74  | DUCK LAKE IN CENTRAL BASIN; CLABENC   | MICHIGAN         | 1 | 5.00000 |
| 75  | LA. POMERAN IN NORTHWEST BASIN; FANT  | MICHIGAN         | 1 | 5.00000 |
| 76  | LONG LAKE IN SOUTH BASIN; BEADING T   | MICHIGAN         | 1 | 5.00000 |
| 77  | WHEELOCK LAKE IN WEST BASIN; BEADING  | MICHIGAN         | 1 | 5.00000 |
| 78  | PLEASANT LA-N. CENT. BASIN; BUNHILTT  | MICHIGAN         | 1 | 5.00000 |
| 79  | PONTAGE LAKE IN CENTRAL BASIN; WATE   | MICHIGAN         | 1 | 5.00000 |
| 80  | DEVILS LAKE N-CENT BASIN WOODSTOCK    | MICHIGAN         | 1 | 5.00000 |
| 81  | ALLENS LAKE N-CENT BASIN; CAMPBIDGE   | MICHIGAN         | 1 | 5.00000 |
| 82  | LIDENHIL LR IN S.E. BASIN, GREENOAK   | MICHIGAN         | 1 | 5.00000 |
| 83  | SANDY BOTTOM LR IN N.E. BASIN, GREEN  | MICHIGAN         | 1 | 5.00000 |
| 84  | WHITEFISH LAKE IN SE BASIN; PLENSON   | MICHIGAN         | 1 | 5.00000 |
| 85  | L. WHITEFISH LA-CENT. BASIN; PLENSO   | MORTCUM CO., MI  | 1 | 5.00000 |
| 86  | FERONT LR-NORTHCENT BASIN; SHERIDAN   | MICHIGAN         | 1 | 5.00000 |
| 87  | HESS LAKE IN CENTRAL BASIN; RHODES    | MICHIGAN         | 1 | 5.00000 |
| 88  | KENT LR-SOUTHWEST BASIN; MILFORD TWP  | MICHIGAN         | 1 | 5.00000 |
| 89  | CRESCENT LA-SOUTH BASIN; WATERFORD    | MICHIGAN         | 1 | 5.00000 |
| 90  | CRESCENT LA-NORTH BASIN; WATERFORD    | MICHIGAN         | 1 | 5.00000 |
| 91  | BIG PONTAGE LAKE-SOUTH BASIN; DEATE   | MICHIGAN         | 1 | 5.00000 |
| 92  | OTTUMMA STP DIGESTED SLUDGE           | IOWA             | 1 | 4.79900 |
| 93  | SUREY LR IN N-CENT BASIN, HANBURG T.  | MICHIGAN         | 1 | 4.00000 |
| 94  | KANAWHA RIVER AT WINFIELD DAM         | WEST VIRGINIA    | 1 | 4.00000 |
| 95  | LORAIN, OHIO                          | OHIO             | 1 | 3.69900 |
| 96  | L. BLACK CR AIRLINE HWY; FRUITPORT    | MUSKEGON CO., MI | 1 | 3.59900 |
| 97  | 100 FEET SOUTH OF DAM                 | CALIFORNIA       | 1 | 3.29900 |
| 98  | FLAT B AT N-21 BRIDGE; LOWELL TWP S   | MICHIGAN         | 1 | 3.19900 |
| 99  | 100 FEET NORTH OF ISLAND              | CALIFORNIA       | 1 | 3.09900 |
| 100 | LORAIN, OHIO                          | OHIO             | 1 | 3.09900 |
| 101 | DELAWARE R.C 19 TURNESDALE            | PENNSYLVANIA     | 1 | 3.00000 |
| 102 | DELAWARE R R 36 PL EDGEMTH CHANL      | PENNSYLVANIA     | 1 | 3.00000 |
| 103 | 100 FT N. OF SULPHUR CREEK INLET      | CALIFORNIA       | 1 | 3.00000 |
| 104 | DURBUQUE MAIN STP INFLUENT            | IOWA             | 1 | 3.00000 |
| 105 | ILLINOIS RIVER AT DRESHER ISLAND, I   | ILLINOIS         | 1 | 3.00000 |
| 106 | U/S LAKE AT BRIDGE                    | CALIFORNIA       | 1 | 2.79900 |
| 107 | RED CEDAR RIVER AT GREGORY RD; HAND   | MICHIGAN         | 2 | 2.79900 |
| 108 | FAIRPORT                              | OHIO             | 1 | 2.59900 |
| 109 | NEW YORK SLOUGH                       | CALIFORNIA       | 1 | 2.59900 |
| 110 | RID DR RED CEDAR R, OLD US-16; HAND   | MICHIGAN         | 2 | 2.49900 |
| 111 | FAIRPORT                              | OHIO             | 1 | 2.29900 |
| 112 | LORAIN, OHIO                          | OHIO             | 1 | 2.29900 |

TABLE A-22. (Continued)

| Obs | LOC                                   | STATE          | # | REAM    |
|-----|---------------------------------------|----------------|---|---------|
| 111 | L. BLACK CRK ROBERTS ST; MUSKOGEE ?   | MICHIGAN       | 1 | 2.29900 |
| 114 | S.P. AIRPORT INDUSTRIAL PLANT         | CALIFORNIA     | 1 | 2.20900 |
| 115 | LONG CR BR SPENCER RD NC INACT-750    | NORTH CAROLINA | 1 | 2.19900 |
| 116 | FAIRPORT                              | OHIO           | 1 | 2.19900 |
| 117 | SUPERIOR HARBOR                       | WISCONSIN      | 1 | 2.19900 |
| 118 | SUISUN BAT S. OF MIDDLE GROUND        | CALIFORNIA     | 1 | 2.19900 |
| 119 | PLASTER CR SILVER CR STONE DRN IN     | KENT CO., MI   | 1 | 2.09900 |
| 120 | SUSQUEHANNA R AT HALLSTADT, PA.       | PENNSYLVANIA   | 1 | 2.00000 |
| 121 | HILL CR. GUST ST.                     | OHIO           | 1 | 2.00000 |
| 122 | WIPSCO DITCH @ DUNE ACHES, IND.       | INDIANA        | 1 | 2.00000 |
| 123 | KINTZLE DIT AT US HWY 12 AT PINE      | INDIANA        | 1 | 2.00000 |
| 124 | L BLACK CR UPST SHERMAN RD; MUSK TM   | MICHIGAN       | 1 | 2.00000 |
| 125 | S FORK CATANBA R AT LABORATORY INAC   | NORTH CAROLINA | 1 | 1.89900 |
| 126 | PLASTER CR KELVINATOR BR; CITY OF     | KENT CO., MI   | 1 | 1.89900 |
| 127 | L BLACK CR DNST ALATING STNR; MUSK    | MICHIGAN       | 1 | 1.89900 |
| 128 | MANCHESTER STP WICKSTED SLUDGE        | IOWA           | 1 | 1.69900 |
| 129 | RED CEDAR R. AT NICHOLSON RD; HARDY   | MICHIGAN       | 1 | 1.69900 |
| 130 | DELAWARE R N 58 FLORENCE BRND         | PENNSYLVANIA   | 1 | 1.59900 |
| 131 | SUPERIOR HARBOR                       | WISCONSIN      | 1 | 1.59900 |
| 132 | S FORK CATANBA R @ SPENCER HWY NC INA | NORTH CAROLINA | 1 | 1.50000 |
| 133 | FAIRPORT                              | OHIO           | 1 | 1.50000 |
| 134 | TORCH LN IN CENT BASIN, SCHOOLCR TR   | MICHIGAN       | 1 | 1.50000 |
| 135 | S FORK CTR R BR CHARLTON INACT-730    | NORTH CAROLINA | 2 | 1.39950 |
| 136 | BRAN CR AT BR CROSSING 1.05MI US RO   | PENNSYLVANIA   | 1 | 1.39900 |
| 137 | ROUGE R. @ WEST JEFFERSON AVE IN MIV  | MICHIGAN       | 1 | 1.39900 |
| 138 | CALUMET HARBOR @ RIVER                | ILLINOIS       | 1 | 1.29900 |
| 139 | HENRY FORK R BR BRIDGEMORE INACT-800  | NORTH CAROLINA | 1 | 1.29900 |
| 140 | CLARK CREEK AT LINCOLNTON             | NORTH CAROLINA | 1 | 1.29900 |
| 141 | CLARK CREEK AT NEWTON NC INACTIVE ?   | NORTH CAROLINA | 1 | 1.29900 |
| 142 | S FORK CTR R AT HARDING NC INACT-73   | NORTH CAROLINA | 1 | 1.19900 |
| 143 | DELAWARE R. QNFL ST LITTLE TINCUB     | PENNSYLVANIA   | 1 | 1.19900 |
| 144 | SCHOTLKILL R C 1 AT MOUTH             | PENNSYLVANIA   | 1 | 1.19900 |
| 145 | DELAWARE R C 103 MOON CHANNEL         | PENNSYLVANIA   | 1 | 1.19900 |
| 146 | SCHOTLKILL R RTE 363 BR BELWOOD       | PENNSYLVANIA   | 1 | 1.19900 |
| 147 | FAIRPORT                              | OHIO           | 1 | 1.19900 |
| 148 | CASS R DNST FRANKENMUTH WUTP; FRANK   | MICHIGAN       | 1 | 1.19900 |
| 149 | EVANSDALE STP SLUDGE                  | IOWA           | 1 | 1.15900 |
| 150 | PLASTER CR ABOVE CHICAGO BR; CITY O   | KENT CO., MI   | 1 | 1.09900 |
| 151 | SUPERIOR HARBOR                       | WISCONSIN      | 1 | 1.00000 |
| 152 | VERMILION HARBOR                      | OHIO           | 1 | 1.00000 |
| 153 | VERMILION HARBOR                      | OHIO           | 1 | 1.00000 |
| 154 | DES PLAINES RIV AB JACKSON CR BR MI   | ILLINOIS       | 1 | 1.00000 |
| 155 | DES PLAINES RIVER BL GRANT CR BR CH   | ILLINOIS       | 1 | 1.00000 |
| 156 | MANSHILLES CANAL AT MANSHILLES, IL    | ILLINOIS       | 4 | 1.00000 |
| 157 | VERMILION R. (MAYOU VERMILION) BR. CA | LOUISIANA      | 1 | 1.00000 |
| 158 | DRAIN 30 OFF BURR OAK ROAD; BRUNSON   | MICHIGAN       | 1 | 1.00000 |
| 159 | CO DRN 30 OFF INDUSTRIAL RD; BRUNSON  | MICHIGAN       | 1 | 1.00000 |
| 160 |                                       | KENTUCKY       | 1 | 1.00000 |
| 161 | THIR. TO THIR. 2.4                    | KENTUCKY       | 1 | 1.00000 |
| 162 | PLASTER CR AT BARKLEY AVE; CITY OF C  | MICHIGAN       | 1 | 1.00000 |
| 163 | WYTHLEIGH STEEL CULVERT AT DUNE ACH   | INDIANA        | 1 | 1.00000 |
| 164 | INTER-DUNAL POND @ AT DUNE ACHES IN   | INDIANA        | 2 | 1.00000 |
| 165 | MANHOLITZ DITCH AT PONTIAC, INDIANA   | INDIANA        | 1 | 1.00000 |
| 166 | LAKE LAURA IMP. BR WALNUT GROVE, MN   | MINNESOTA      | 1 | 1.00000 |
| 167 | WEBBER IMPROVEMENT BR GANT SD         | MINNESOTA      | 1 | 1.00000 |
| 168 | KENTUCKY RESERVOIR                    | TENNESSEE      | 2 | 1.00000 |

TABLE A-22. (Continued)

| OBS | LOC                                  | STATE            | N | HEAD    |
|-----|--------------------------------------|------------------|---|---------|
| 169 | KENTUCKY RESERVOIR                   | TENNESSEE        | 3 | 1.00000 |
| 170 | KENTUCKY RESERVOIR                   | TENNESSEE        | 3 | 1.00000 |
| 171 | KENTUCKY RESERVOIR                   | TENNESSEE        | 2 | 1.00000 |
| 172 | TRIB. TO BIG SANDY RIVER 26.57       | TENNESSEE        | 1 | 1.00000 |
| 173 | KENTUCKY RESERVOIR                   | TENNESSEE        | 1 | 1.00000 |
| 174 | TRIB. TO TNH 185.90                  | TENNESSEE        | 1 | 1.00000 |
| 175 | TRIB. TO TNH 169.20                  | TENNESSEE        | 1 | 1.00000 |
| 176 | TRIB. TO TNH 168.3                   | TENNESSEE        | 1 | 1.00000 |
| 177 | TRIB. TO TNH 150.00                  | TENNESSEE        | 1 | 1.00000 |
| 178 | TRIB. TO TNH 148.60                  | TENNESSEE        | 1 | 1.00000 |
| 179 | TRIB. TO TNH 147.10                  | TENNESSEE        | 1 | 1.00000 |
| 180 | TRIB. TO TNH 179.40                  | TENNESSEE        | 1 | 1.00000 |
| 181 | RED CEDAR R. AT 160 RR BR; HANDY TWP | MICHIGAN         | 1 | 0.93990 |
| 182 | LORAIN, OHIO                         | OHIO             | 1 | 0.90990 |
| 183 | ASHTABULA HARBOR, OHIO               | OHIO             | 1 | 0.89990 |
| 184 | PLASTER CH AT BUCHANAN RD; WYOMING   | KENT CO., MI     | 1 | 0.89990 |
| 185 | CASS R 100Y BLW CASS CITY W/TP; NOVE | MICHIGAN         | 1 | 0.89990 |
| 186 | FAIRPORT                             | OHIO             | 1 | 0.83990 |
| 187 | RED CEDAR RIVER AT STON RD; CONWAY   | LIVINGSTON CO MI | 2 | 0.81990 |
| 188 | CHICOPEE RA. 50 FT ABOVE CONFL OF C  | MASSACHUSETTS    | 1 | 0.80990 |
| 189 | SUPERIOR HARBOR                      | WISCONSIN        | 1 | 0.80990 |
| 190 | ASHTABULA HARBOR, OHIO               | OHIO             | 1 | 0.79990 |
| 191 | CHICOPEE RA. AT CHICOPEE ST-CLINTEN  | MASSACHUSETTS    | 1 | 0.79990 |
| 192 | CASS RD INDIANFIELDS PARK; INDIANFL  | MICHIGAN         | 1 | 0.79990 |
| 193 | SALINE RIVER AT HAZEN RD BR.; SALIN  | MICHIGAN         | 1 | 0.79990 |
| 194 | CLAR RIVER AT HAYES ROAD; HAWING T   | MICHIGAN         | 1 | 0.79990 |
| 195 | CHICAGO R AT MOSS LAKE               | LOUISIANA        | 1 | 0.76990 |
| 196 | CHICOPEE RA. 100 FT ABOVE RT 91 BRD  | MASSACHUSETTS    | 1 | 0.68990 |
| 197 | LORAIN, OHIO                         | OHIO             | 1 | 0.65990 |
| 198 | FAIRBEN RA. 100 FT ABOVE MAIN ST BR  | MASSACHUSETTS    | 1 | 0.61990 |
| 199 | MONSON RA. 1000 FT ABOVE CONFL WITH  | MASSACHUSETTS    | 1 | 0.59990 |
| 200 | RED CEDAR RIVER AT CHAREN RD; LEBOT  | MICHIGAN         | 1 | 0.59990 |
| 201 | HILL CR. CRESCENTVILLE RD.           | OHIO             | 1 | 0.59990 |
| 202 | CLAR R AT BOON RD BRIDGE; HAWING TN  | MICHIGAN         | 1 | 0.59990 |
| 203 | IOWA CITY STP-AMERONIC DISTILLER     | IOWA             | 1 | 0.57990 |
| 204 | LORAIN, OHIO                         | OHIO             | 1 | 0.55990 |
| 205 | RENFREWS TERN AT WINSTON DR AREA SAN | TENNESSEE        | 1 | 0.55990 |
| 206 | FAIRBEN RA. 200 FT ABOVE RR BRUG AND | MASSACHUSETTS    | 1 | 0.53990 |
| 207 | SUPERIOR HARBOR                      | WISCONSIN        | 1 | 0.53990 |
| 208 | FAIRPORT                             | OHIO             | 1 | 0.51990 |
| 209 | L. BLACK CH AT HANKEY ST; MUSKOGON   | MICHIGAN         | 1 | 0.51990 |
| 210 | SPRINGFIELD RA. 1000 FT BELOW SOUTH  | MASSACHUSETTS    | 1 | 0.50990 |
| 211 | ST. JOSEPH RIVER, MICHIGAN.. SEE PA  | MICHIGAN         | 1 | 0.50000 |
| 212 | DETROIT RIVER, DETROIT, MI.--SLE PAR | MICHIGAN         | 1 | 0.50000 |
| 213 | MISSISSIPPI RIVER N.M. 163           | LOUISIANA        | 1 | 0.50000 |
| 214 | PLASTER CH AT NELSON AVE.; KENTWOOD  | KENT CO., MI     | 1 | 0.50000 |
| 215 | CASS R 100Y DRST VASSEN W/TP; TUSCO  | MICHIGAN         | 1 | 0.50000 |
| 216 | FAIRPORT                             | OHIO             | 1 | 0.48990 |
| 217 | SAMMUSAY HARBOR                      | OHIO             | 1 | 0.48990 |
| 218 | ACANAN RA. 900 FT ABOVE CONFL OF CO  | MASSACHUSETTS    | 1 | 0.48990 |
| 219 | PORT SANILAC HARBOR                  | MICHIGAN         | 1 | 0.47990 |
| 220 | FAIRBEN RA. 600 FT BELOW RR BRUG AND | MASSACHUSETTS    | 1 | 0.47990 |
| 221 | SPRINGFIELD RA. 100 FT ABOVE CONFL   | MASSACHUSETTS    | 1 | 0.47990 |
| 222 | HAINT M. AT INTERNATIONAL FALLS      | MINNESOTA        | 1 | 0.45990 |
| 223 | LES CHENAUX ISLAND CHANNELS          | MICHIGAN         | 1 | 0.43990 |
| 224 | SANDUSKY HARBOR                      | OHIO             | 1 | 0.43990 |