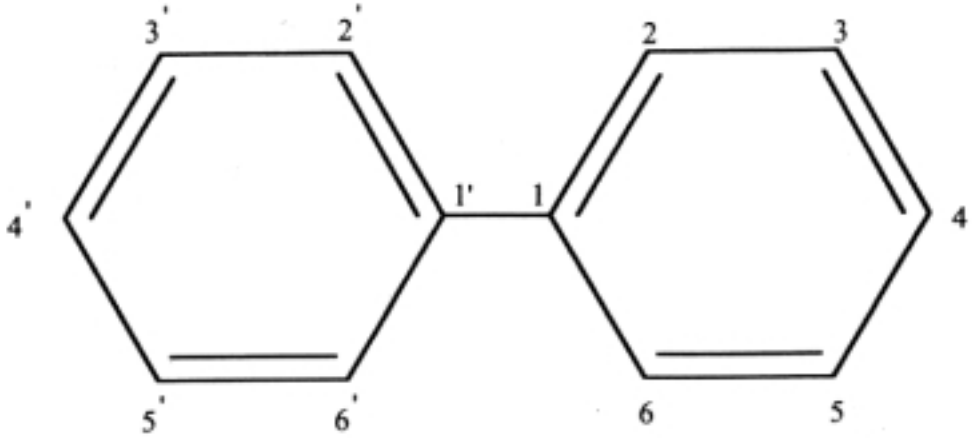
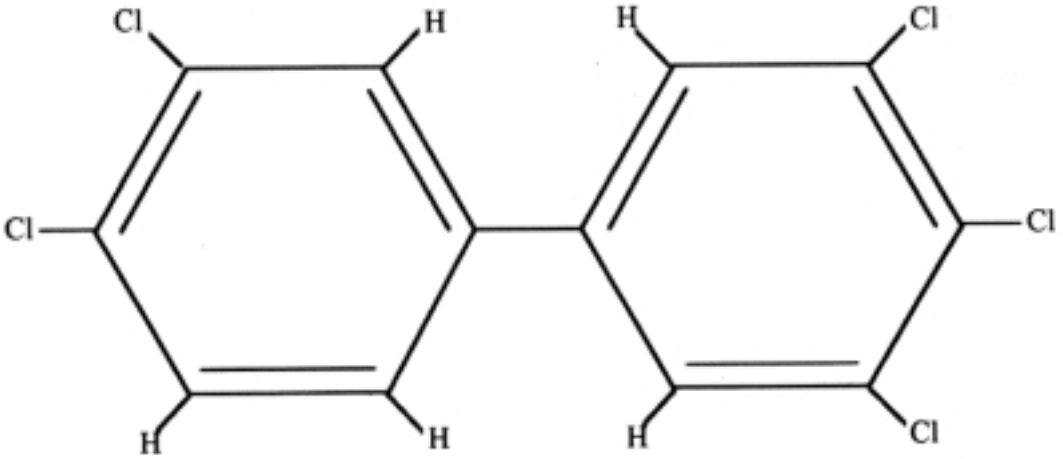
Potential Chlorine Atom Locations
Ortho sites: 2, 6, 2', 6'
Meta sites: 3, 5, 3', 5'
Para sites: 4, 4'

Generic Structure:



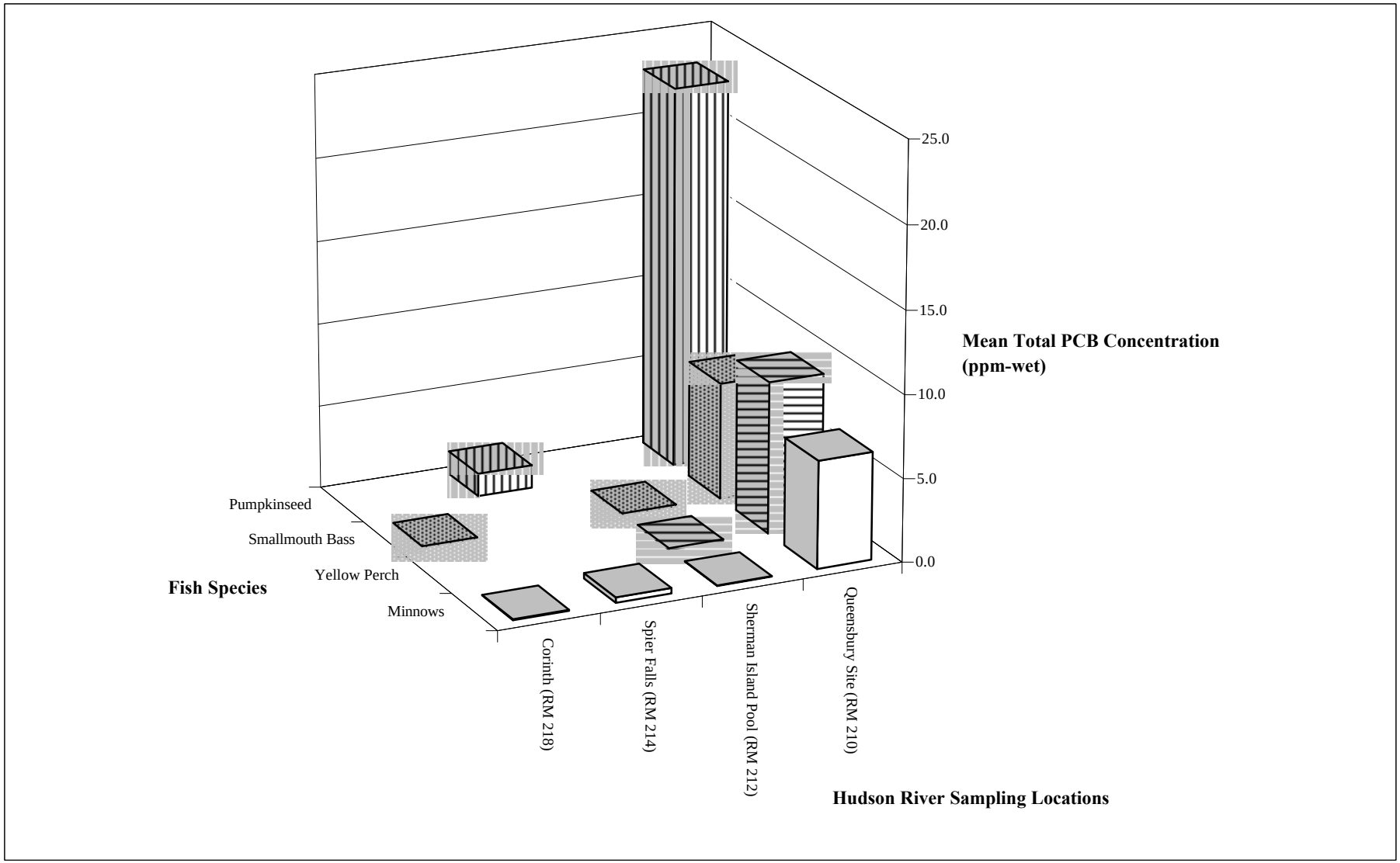
PCB Congener Example



3,3',4,4',5 - pentachlorobiphenyl

TAMS/Cadmus/Gradient

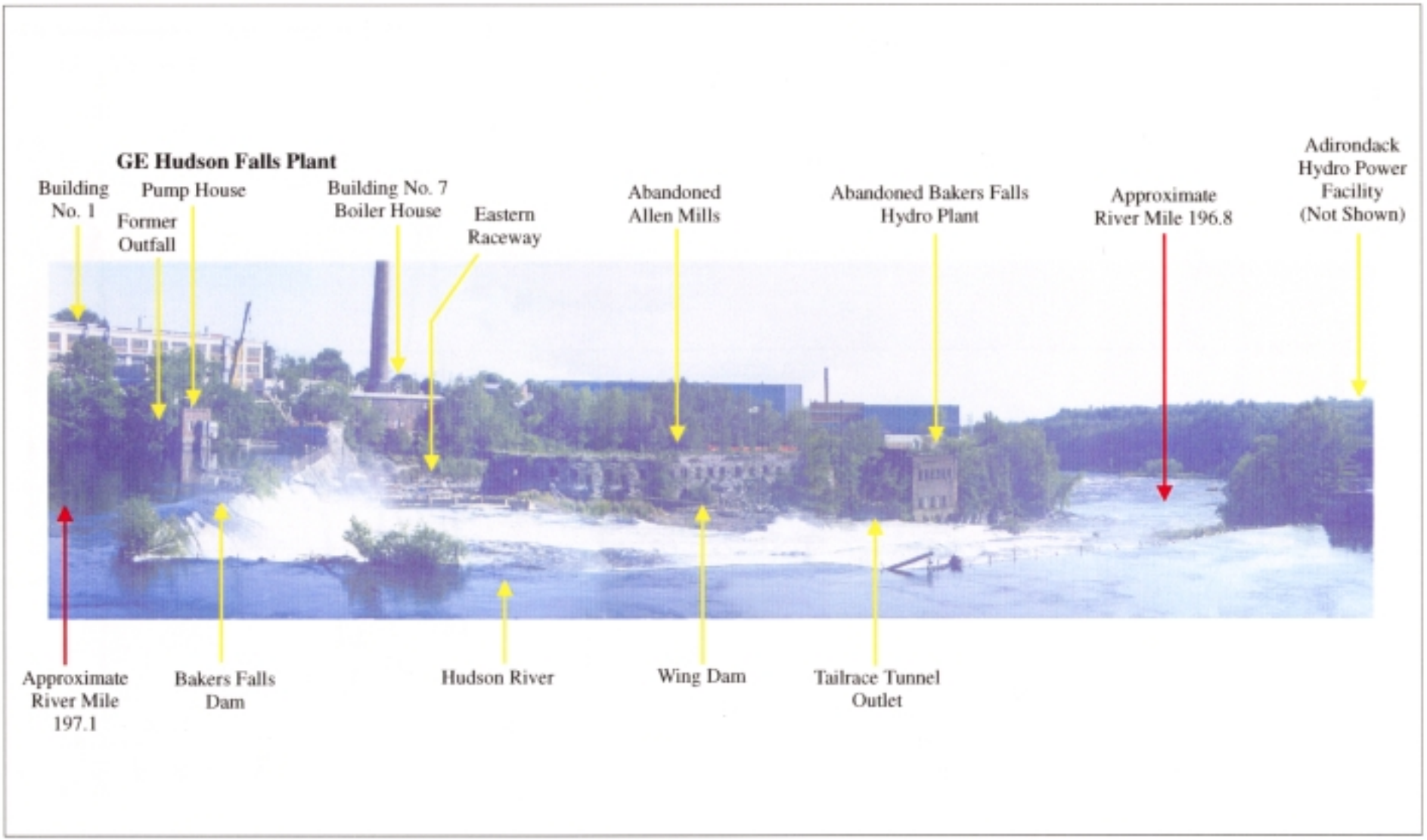
Figure 1-1
PCB Structure



Source: Engineering-Science (1994)

TAMS/*Gradient*

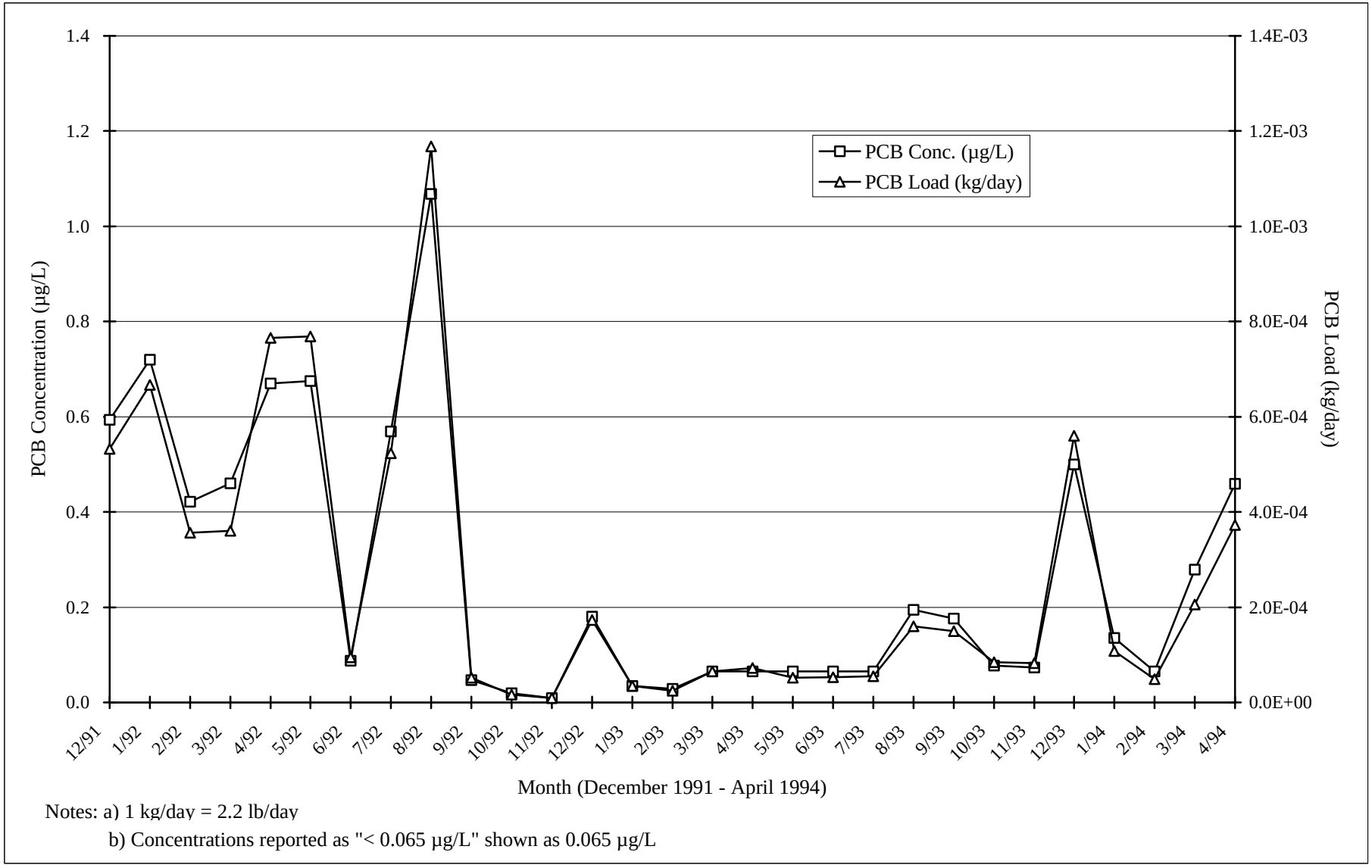
Figure 2-1
Fish PCB Results - Niagara Mohawk Queensbury RI



Source: Image photographed from Old Fenimore Bridge by TAMS Consultants, Inc. on July 24, 1994

TAMS/ Cadmus/ Gradient

Figure 2-2
General Electric Company - Hudson Falls Plant and Vicinity



Notes: a) 1 kg/day = 2.2 lb/day

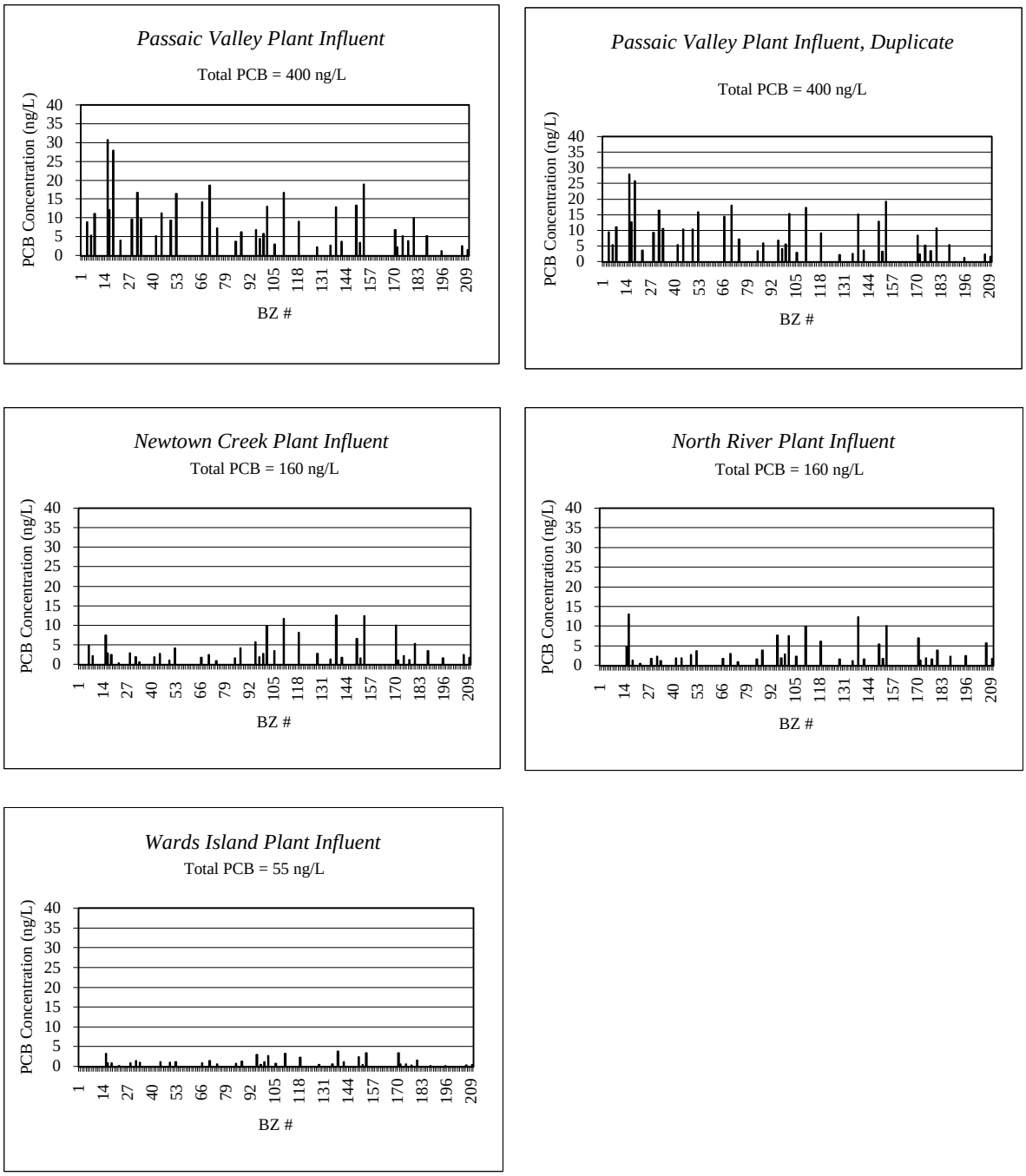
b) Concentrations reported as "< 0.065 µg/L" shown as 0.065 µg/L

Source: DMR Printout for SPDES NY-0007048 (NYSDEC, 1994b)

TAMS/*Gradient*

Figure 2-3

GE Fort Edward Outfall Discharge Monitoring Report Data

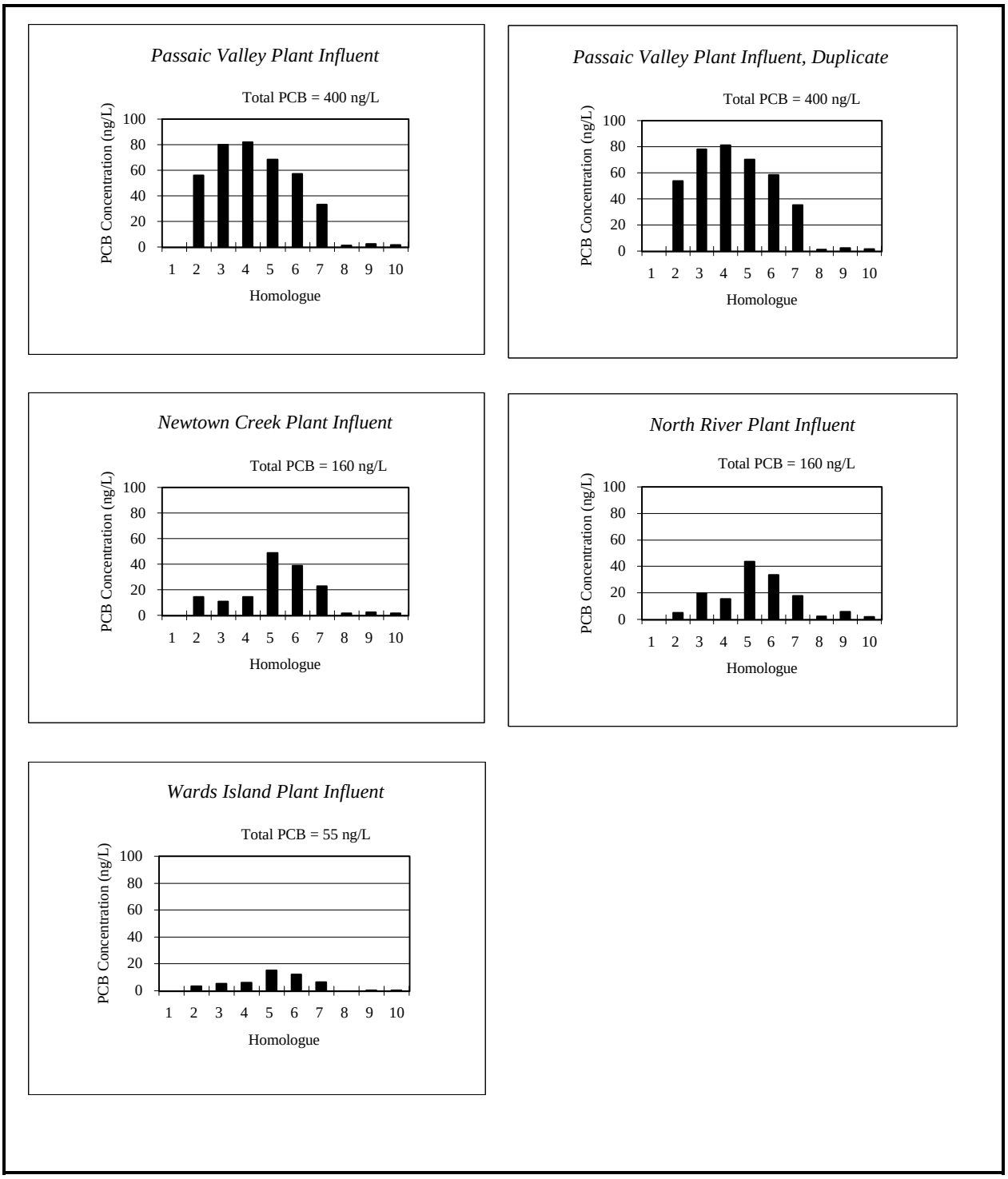


Note: Each graph represents a maximum of 50 congeners

Source: Battelle Ocean Sciences for USEPA (1993)

TAMS/*Gradient*

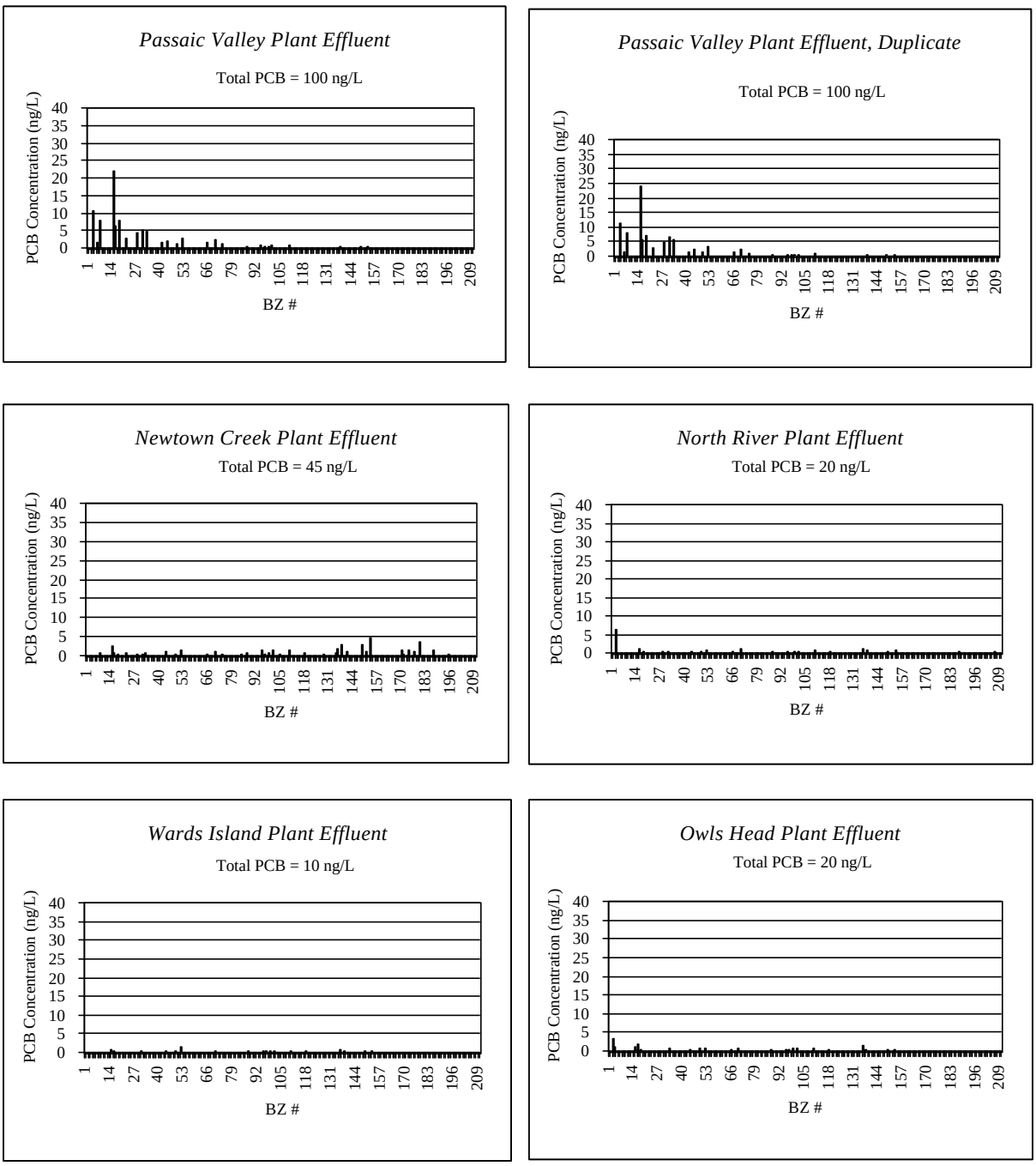
Figure 2-4
NY/NJ POTW Influent PCB Data - Congener Basis



Source: Battelle Ocean Sciences for USEPA (1993)

TAMS/*Gradient*

Figure 2-5
NY/NJ POTW Influent PCB Data - Homologue Basis

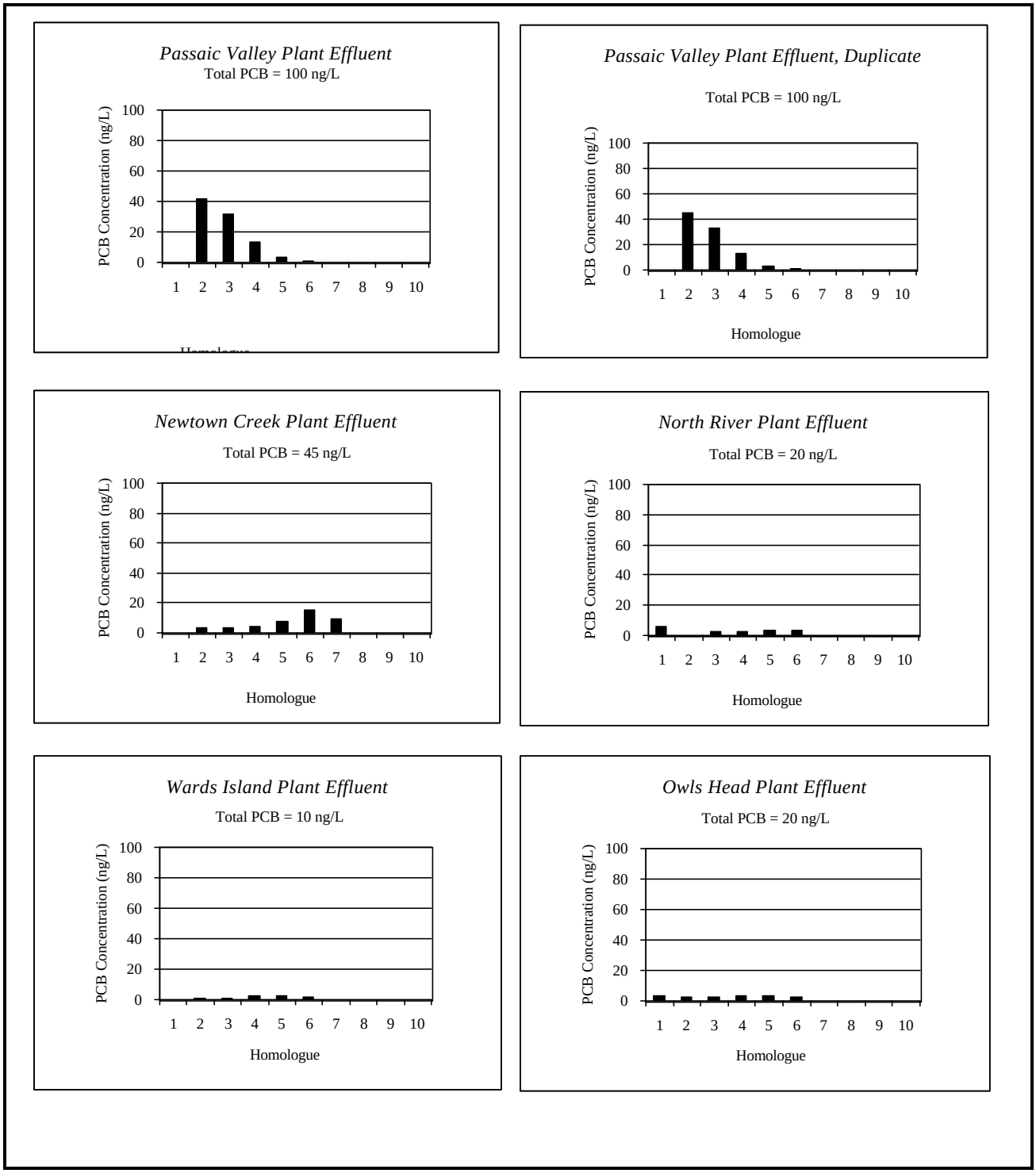


Note: Each graph represents a maximum of 50 congeners

Source: Battelle Ocean Sciences for USEPA (1993)

TAMS/*Gradient*

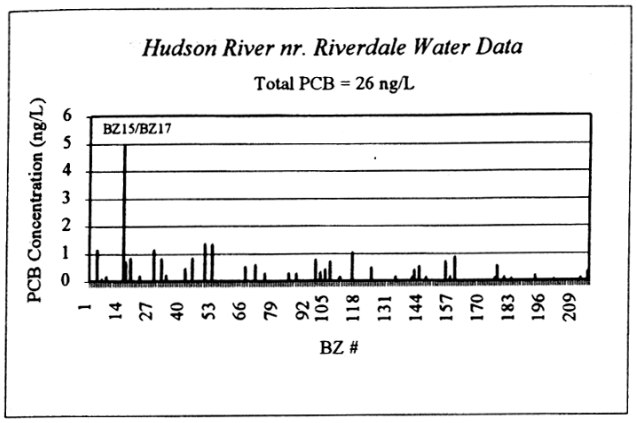
Figure 2-6
NY/NJ POTW Effluent PCB Data - Congener Basis

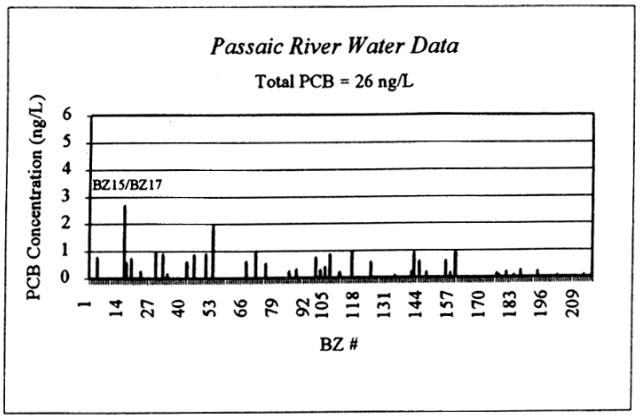


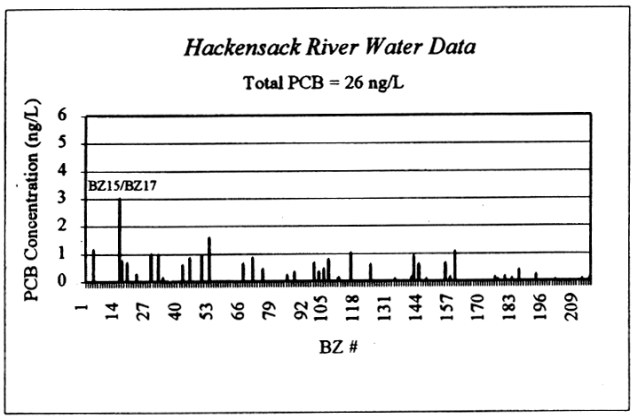
Source: Battelle Ocean Sciences for USEPA (1993)

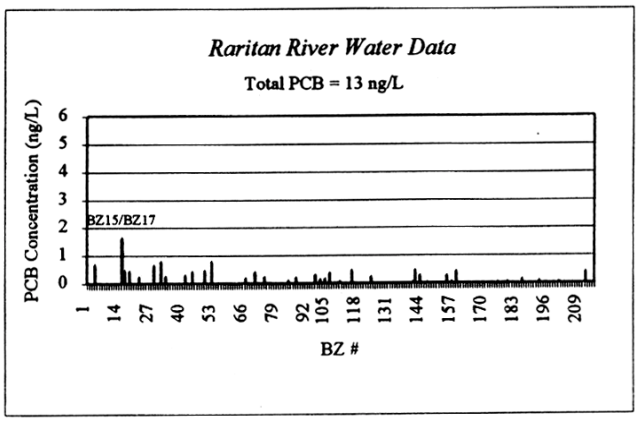
TAMS/*Gradient*

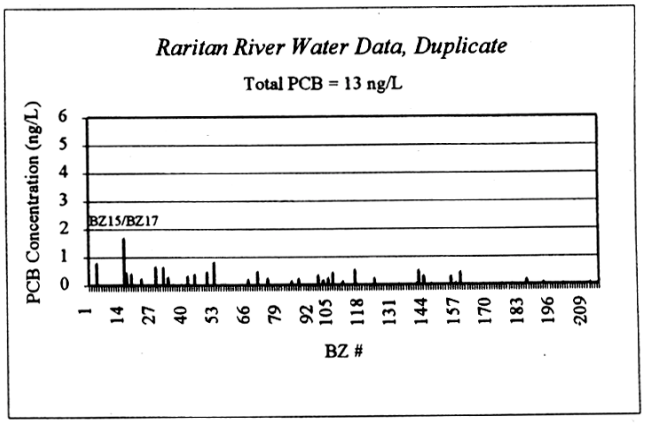
Figure 2-7
NY/NJ POTW Effluent PCB Data - Homologue Basis









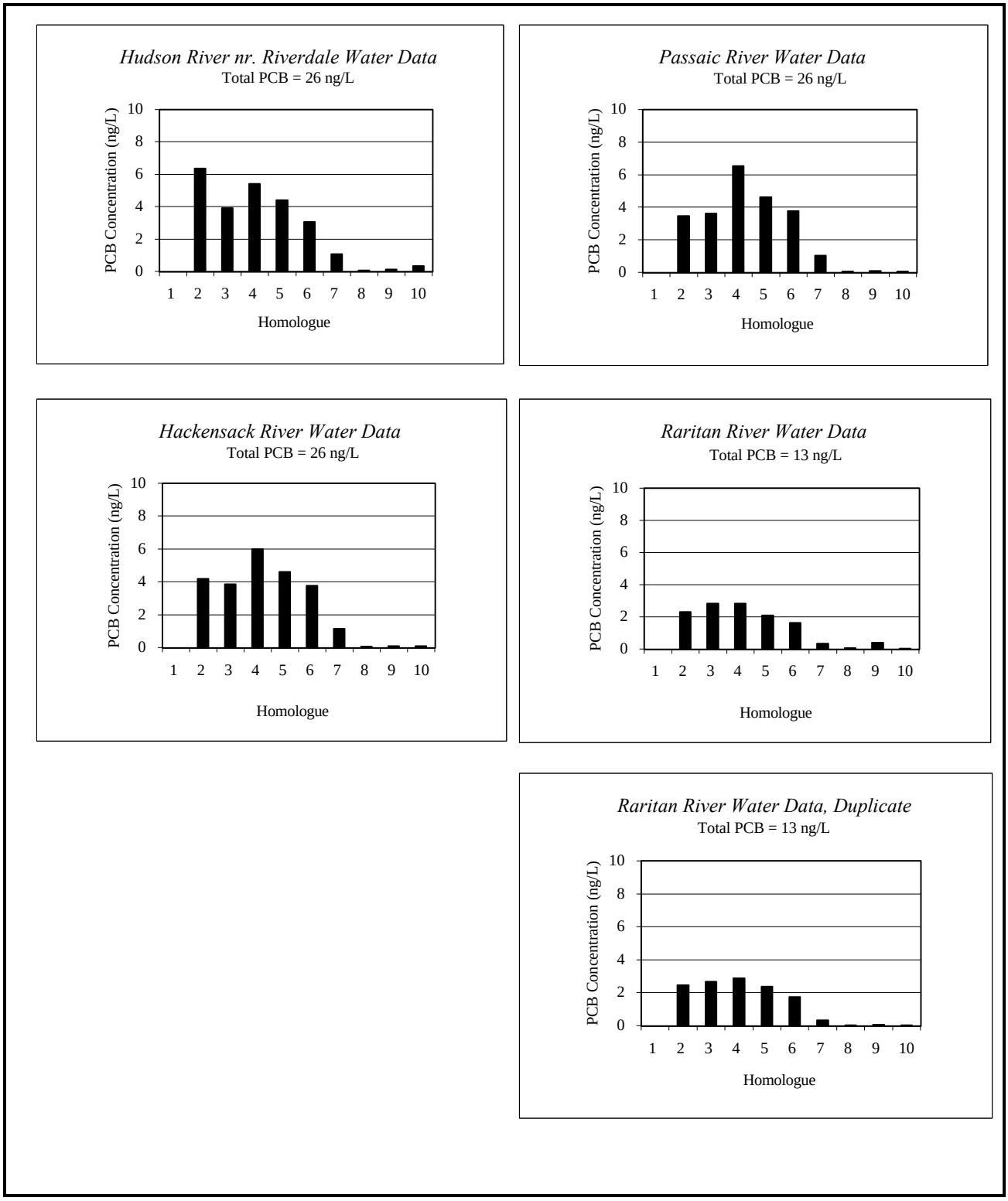


Note: Each graph represents a maximum of 50 congeners

Source: Battelle Ocean Sciences for USEPA (1993)

TAMS/Cadmus/Gradient

Figure 2-8
NY/NJ River Water PCB Data - Congener Basis



Source: Battelle Ocean Sciences for USEPA (1993)

TAMS/*Gradient*

Figure 2-9
NY/NJ River Water PCB Data - Homologue Basis