



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION II

JACOB K. JAVITS FEDERAL BUILDING

NEW YORK, NEW YORK 10278-0012

MAY 06 1993

Dear Scientific and Technical Committee Member:

The U.S. Environmental Protection Agency has scheduled a meeting of the Scientific and Technical Committee (STC) for Thursday, May 27, 1993. The meeting will be held from 9:45 a.m. to 4:00 p.m. at the Sheraton-Albany Airport which is located on 200 Wolf Road in Albany, New York. The telephone number of the Sheraton is (518) 458-1000. The meeting will provide STC members with information regarding the PCB source detected in the area of Bakers Falls, adjacent to the General Electric Hudson Falls facility, and to discuss the implications that it may have on the Reassessment. Presentations will be made by General Electric and the New York State Department of Environmental Conservation (NYSDEC) regarding their investigations of the Bakers Falls source.

I have enclosed a short briefing package which should allow you to become familiar with some of the General Electric and NYSDEC data which will be presented at the meeting.

If you have any questions, please contact me at (212) 264-7508.

Sincerely yours,

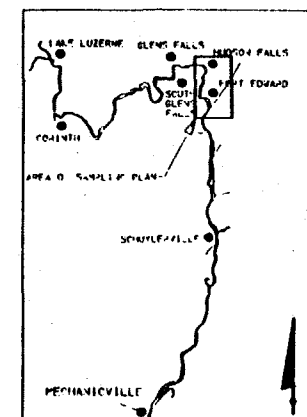
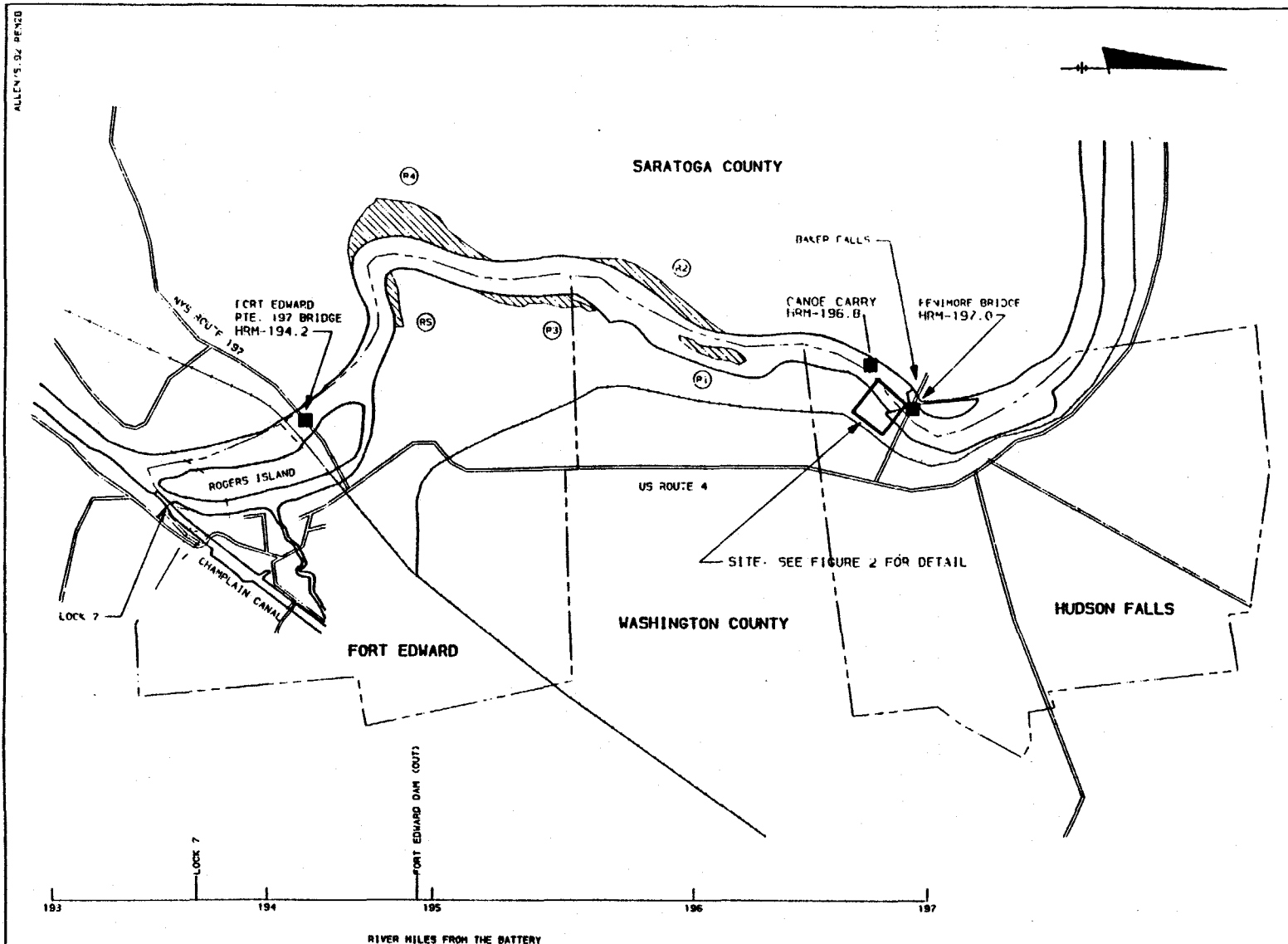
A handwritten signature in cursive script that reads "Douglas J. Tomchuk".

Douglas J. Tomchuk, Project Manager
Hudson River PCBs Site Reassessment

Enclosures

cc: Bill Ports, NYSDEC
John Haggard, GE
Bob Montione, NYSDOH
Diane Wehner, NOAA

FIGURE 1

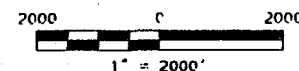


LEGEND

- (A1) REMNANT AREA
- HRM-197.0 PCRDH SAMPLING LOCATIONS

GENERAL ELECTRIC COMPANY
BAKER FALLS INVESTIGATION

SITE LOCATION MAP



NOTE: MAP ADAPTED FROM POST-CONSTRUCTION REMNANT DEPOSIT MONITORING PROGRAM FIELD SAMPLING PLAN (PCRDH) SITE PLAN.

25 FEB 1993

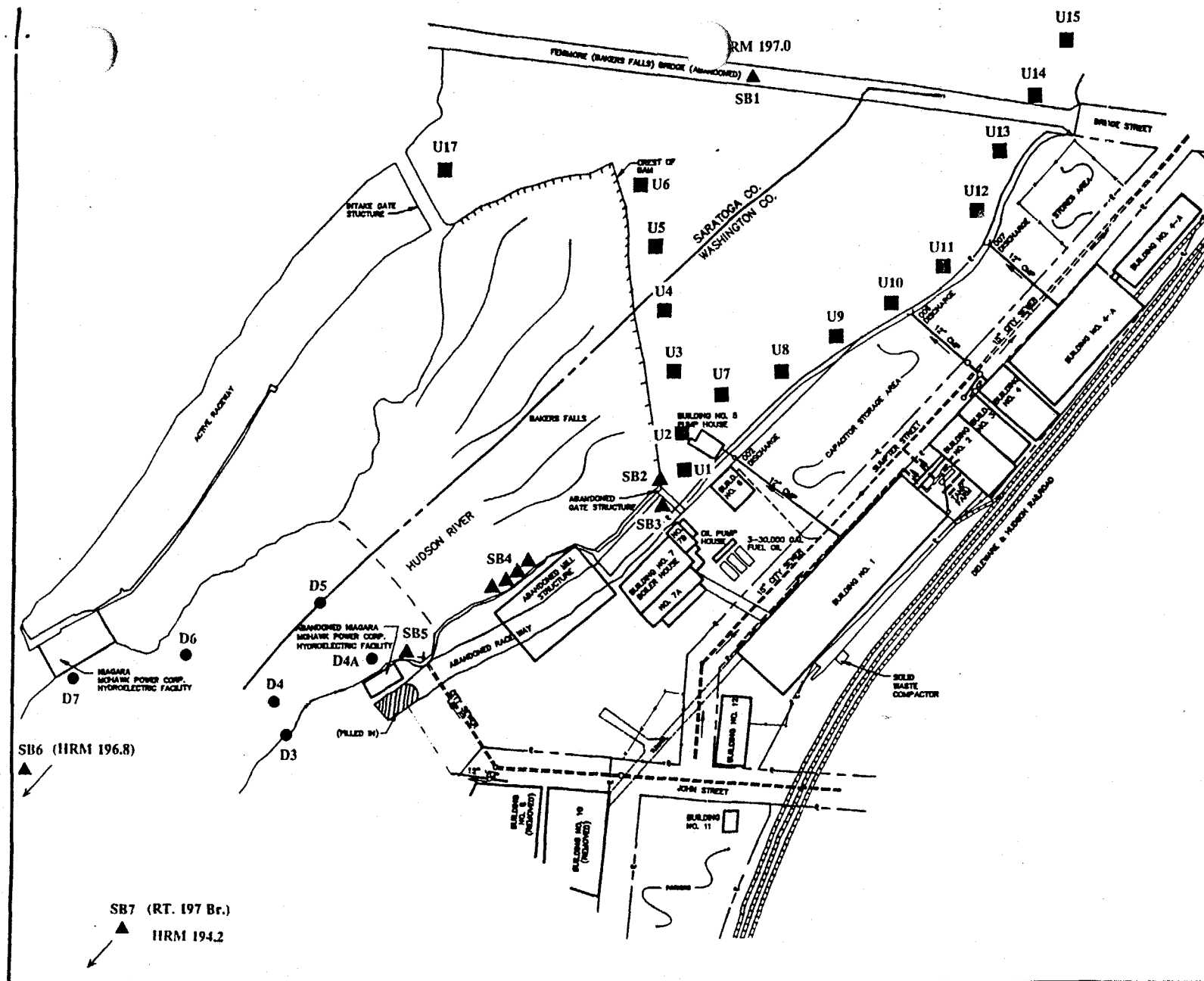
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LEGEND:

- ▲ SB1 - Shore Based Sampling Location
- D1 - Downstream In-river Sampling Location
- U1 - Upstream In-river Sampling Location

GENERAL ELECTRIC COMP.
HUDSON RIVER PROJECT
BAKERS FALLS INVESTIGATION



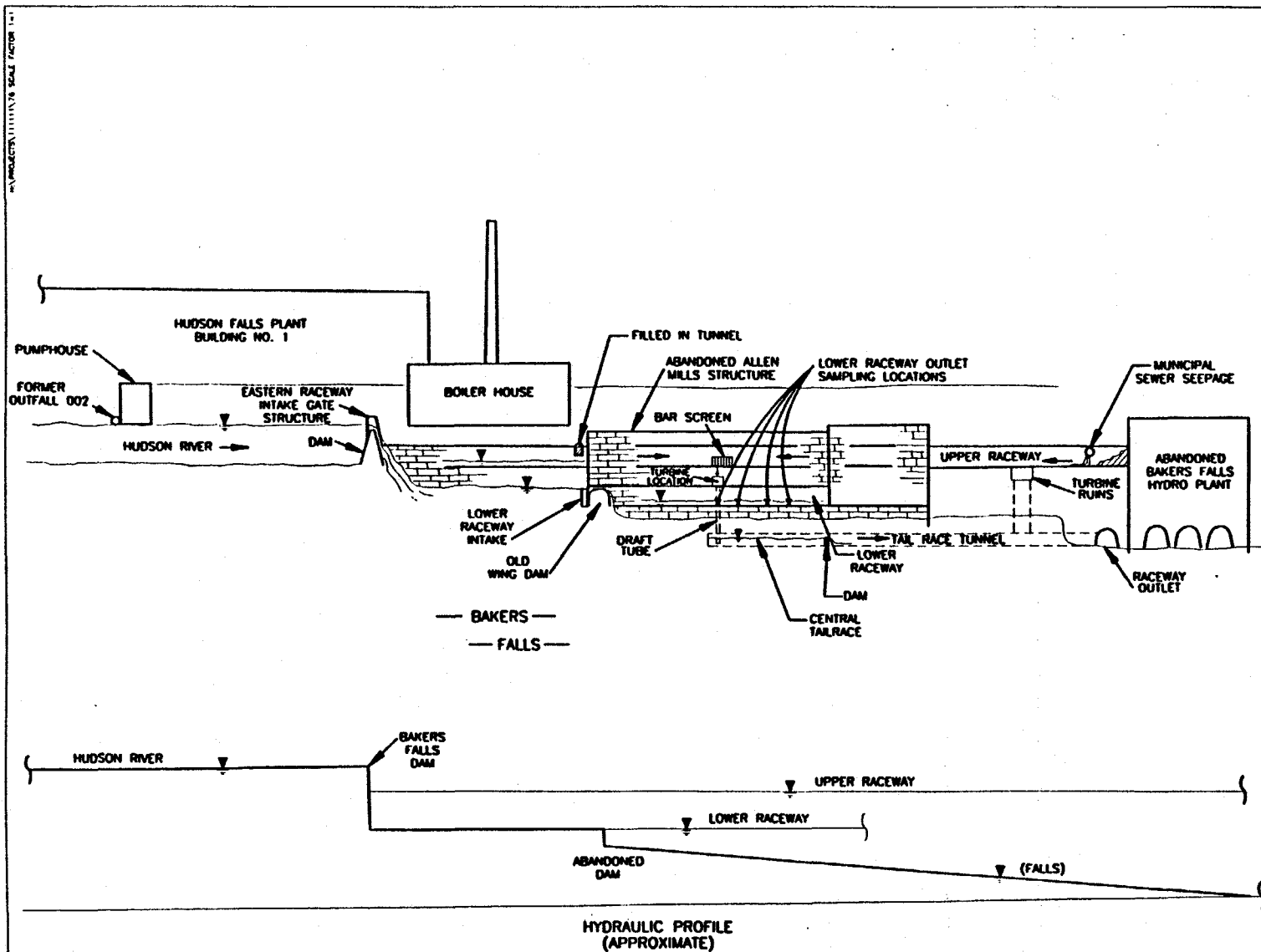


FIGURE 3

GENERAL ELECTRIC COMPANY
BAKERS FALLS INVESTIGATION

EAST SHORE PROFILE VIEW

NOTE: ELEVATIONS AND LOCATIONS ARE
ESTIMATED. CENTRAL TAILRACE
DETAILS ARE BASED ON LIMITED
FIELD OBSERVATIONS.

50 0 50
ESTIMATED SCALE IN FEET

(17) 0012-100-100

O'BRIEN & GERE

02/25/91

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GENERAL ELECTRIC COMPANY
HUDSON RIVER PROJECT
BAKERS FALLS INVESTIGATION

DRAFT

WATER COLUMN TESTING RESULTS SUMMARY

LOCATION	DATE	SAMPLE DESIGNATION	SAMPLE TYPE *	ANALYSIS METHOD	TOTAL PCB (ng/l)	HOMOLOG DISTRIBUTION (% weight)									
						Mono	Di	Tri	Tetra	Penta	Hexa	Hepta	Octa	Nona	Deca
Fenimore Bridge approx. 40 ft. from eastern shore	5/19/92		1	C.S.	<11	-	-	-	-	-	-	-	-	-	-
Fenimore Bridge @ HRM 197.0	8/13/92		3	C.S.	<11	-	-	-	-	-	-	-	-	-	-
	8/19/92		3	C.S.	<11	-	-	-	-	-	-	-	-	-	-
	8/27/92		3	C.S.	<11	-	-	-	-	-	-	-	-	-	-
	10/22/92		3	C.S.	<11	-	-	-	-	-	-	-	-	-	-
	11/24/92	SB1	3	C.S.	<11	-	-	-	-	-	-	-	-	-	-
Northwest corner of Hudson Falls Plant pump house	4/08/92		2	C.S.	1070	0.0	3.6	27.1	50.4	14.1	4.1	0.8	0.0	0.0	0.0
	5/19/92		1	C.S.	14	0.0	0.8	25.6	42.9	21.0	9.7	0.0	0.0	0.0	0.0
	8/13/92		2	C.S.	147	0.0	0.0	13.9	34.6	43.6	8.0	0.0	0.0	0.0	0.0
Transects upstream of Bakers Falls	10/21/92	U1	3	C.S.	12	0.0	1.0	31.9	38.8	20.5	7.9	0.0	0.0	0.0	0.0
	10/21/92	U2	3	EPA 8080	<11	-	-	-	-	-	-	-	-	-	-
	10/21/92	U3	3	EPA 8080	<11	-	-	-	-	-	-	-	-	-	-
	10/21/92	U4	3	EPA 8080	<11	-	-	-	-	-	-	-	-	-	-
	10/21/92	U5	3	EPA 8080	<11	-	-	-	-	-	-	-	-	-	-
	10/21/92	U6	3	EPA 8080	<11	-	-	-	-	-	-	-	-	-	-
	10/21/92	U7	3	EPA 8080	<11	-	-	-	-	-	-	-	-	-	-
	10/21/92	U8	3	EPA 8080	<11	-	-	-	-	-	-	-	-	-	-
	10/21/92	U9	3	EPA 8080	<11	-	-	-	-	-	-	-	-	-	-
	10/21/92	U10	3	EPA 8080	<11	-	-	-	-	-	-	-	-	-	-
	10/21/92	U11	3	EPA 8080	<11	-	-	-	-	-	-	-	-	-	-
	10/21/92	U12	3	EPA 8080	<11	-	-	-	-	-	-	-	-	-	-
	10/21/92	U13	3	EPA 8080	<11	-	-	-	-	-	-	-	-	-	-
	10/21/92	U14	3	EPA 8080	<11	-	-	-	-	-	-	-	-	-	-

GENERAL ELECTRIC COMPANY
HUDSON RIVER PROJECT
BAKERS FALLS INVESTIGATION

DRAFT

WATER COLUMN TESTING RESULTS SUMMARY

LOCATION	DATE	SAMPLE DESIGNATION	SAMPLE TYPE *	ANALYSIS METHOD	TOTAL PCB (ng/l)	HOMOLOG DISTRIBUTION (% weight)									
						Mono	Di	Tri	Tetra	Penta	Hexa	Hepta	Octa	Nona	Deca
Eastern raceway inlet at gate structure (Upstream side)	10/21/92	U15	3	EPA 8080	<11	-	-	-	-	-	-	-	-	-	-
	10/21/92	U16	3	EPA 8080	<11	-	-	-	-	-	-	-	-	-	-
	10/21/92	U17	3	EPA 8080	<11	-	-	-	-	-	-	-	-	-	-
	5/19/92		1	C.S.	126	0.0	2.1	15.3	57.4	19.6	5.7	0.0	0.0	0.0	0.0
	8/13/92		1	C.S.	672	0.0	1.6	17.9	48.6	21.2	9.0	1.7	0.0	0.0	0.0
Western end of gate structure (flow over dam)	8/19/92		1	C.S.	927	0.0	0.9	10.0	31.5	28.3	21.8	6.4	1.1	0.0	0.0
	8/27/92		1	C.S.	333	0.0	1.3	13.8	43.3	29.9	11.7	0.0	0.0	0.0	0.0
	11/24/92	SB2	1	EPA 8080	<11	-	-	-	-	-	-	-	-	-	-
Eastern raceway inlet at gate structure (Downstream side)	11/24/92	SB3	1	EPA 8080	12	-	-	-	-	-	-	-	-	-	-
Eastern raceway prior to entering mill structure	4/08/92		1	C.S.	2611	0.0	9.0	37.9	36.1	11.1	4.8	1.0	0.1	0.0	0.0
	5/19/92		1	C.S.	63	0.0	13.7	41.9	35.7	7.4	1.4	0.0	0.0	0.0	0.0
Eastern raceway within mill ruin	5/19/92		2	C.S.	618	0.0	3.4	10.2	43.9	22.9	14.6	4.1	0.8	0.0	0.0
Eastern raceway outlet (flow through mill wall)	8/13/92		1**	C.S.	345	0.0	13.0	40.8	34.8	9.2	2.1	0.0	0.0	0.0	0.0
	8/19/92		1**	C.S.	339	2.9	10.7	37.0	38.2	8.7	2.4	0.0	0.0	0.0	0.0
	8/27/92		1**	C.S.	399	3.7	10.9	36.8	36.6	8.8	2.9	0.3	0.0	0.0	0.0
	11/24/92	SB4	1***	EPA 8080	121	-	-	-	-	-	-	-	-	-	-
Eastern shore @ SW corner of mill	5/19/92		1	C.S.	21	0.0	1.0	32.3	43.3	16.8	6.6	0.0	0.0	0.0	0.0

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GENERAL ELECTRIC COMPANY
HUDSON RIVER PROJECT
BAKERS FALLS INVESTIGATION

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WATER COLUMN TESTING RESULTS SUMMARY

LOCATION	DATE	SAMPLE DESIGNATION	SAMPLE TYPE *	ANALYSIS METHOD	TOTAL PCB (ng/l)	HOMOLOG DISTRIBUTION (% weight)									
						Mono	Di	Tri	Tetra	Penta	Hexa	Hepta	Octa	Nona	Dec
Main raceway outlet	9/30/92		2	C.S.	4689	1.0	14.5	42.8	32.7	6.7	1.9	0.3	0.1	0.0	0.0
	11/24/92	SB5	1	EPA 8080	172	-	-	-	-	-	-	-	-	-	-
	11/24/92	SB5	1	C.S.	198	3.6	15.4	38.2	33.1	7.8	1.9	0.0	0.0	0.0	0.0
	11/24/92	SB5-1	2	EPA 8080	123	-	-	-	-	-	-	-	-	-	-
	11/24/92	SB5-2	2	EPA 8080	101	-	-	-	-	-	-	-	-	-	-
	11/24/92	SB5-3	2	EPA 8080	162	-	-	-	-	-	-	-	-	-	-
	11/24/92	SB5-4	2	EPA 8080	116	-	-	-	-	-	-	-	-	-	-
	11/25/92	SB5A	2	EPA 8080	1362	-	-	-	-	-	-	-	-	-	-
	11/25/92	SB5B	2	EPA 8080	1182	-	-	-	-	-	-	-	-	-	-
Transect at base of Bakers Falls	10/22/92	D3	2	EPA 8080	47	-	-	-	-	-	-	-	-	-	-
	10/22/92	D4	2	EPA 8080	107	-	-	-	-	-	-	-	-	-	-
	10/22/92	D4A	2	EPA 8080	146	-	-	-	-	-	-	-	-	-	-
	10/22/92	D5	3	EPA 8080	63	-	-	-	-	-	-	-	-	-	-
	9/30/92	D5-Surface	2	C.S.	529	0.8	16.4	40.0	32.0	7.1	2.8	1.0	0.0	0.0	0.0
	10/22/92	D5-Surface	2	EPA 8080	96	-	-	-	-	-	-	-	-	-	-
	10/22/92	D5-10-13'	2	EPA 8080	371	-	-	-	-	-	-	-	-	-	-
	10/22/92	D5-20-23'	2	EPA 8080	303	-	-	-	-	-	-	-	-	-	-
	10/22/92	D6	2	EPA 8080	101	-	-	-	-	-	-	-	-	-	-
	10/22/92	D7	2	EPA 8080	28	-	-	-	-	-	-	-	-	-	-
Eastern shore 0.5 miles downstream of Bakers Falls	5/19/92		2	C.S.	46	0.0	12.7	38.6	36.7	10.2	1.9	0.0	0.0	0.0	0.0
	8/13/92		2	C.S.	1030	1.4	18.9	42.1	29.6	6.5	1.5	0.0	0.0	0.0	0.0
	8/19/92		2	C.S.	642	1.5	17.9	40.7	29.9	6.4	2.3	0.9	0.4	0.0	0.0
	8/27/92		2	C.S.	520	1.8	16.9	40.6	31.8	6.7	2.3	0.0	0.0	0.0	0.0
Western raceway inlet	5/19/92		2	C.S.	<11	-	-	-	-	-	-	-	-	-	-

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O'Brien & Gere Engineers, Inc.

GENERAL ELECTRIC COMPANY
HUDSON RIVER PROJECT
BAKERS FALLS INVESTIGATION

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WATER COLUMN TESTING RESULTS SUMMARY

LOCATION	DATE	SAMPLE DESIGNATION	SAMPLE TYPE *	ANALYSIS METHOD	TOTAL PCB (ng/l)	HOMOLOG DISTRIBUTION (% weight)									
						Mono	Di	Tri	Tetra	Penta	Hexa	Hepta	Octa	Nona	Deca
Western raceway outlet	5/19/92		2	C.S.	<11	-	-	-	-	-	-	-	-	-	-
Western shore @ HRM 196.8	5/19/92		2	C.S.	35	0.0	9.3	38.5	39.7	9.0	3.5	0.0	0.0	0.0	0.0
	8/13/92		2	C.S.	721	0.9	19.4	41.1	30.1	6.9	1.6	0.0	0.0	0.0	0.0
	8/19/92		2	C.S.	424	2.0	17.8	40.6	31.6	6.4	1.6	0.0	0.0	0.0	0.0
	8/27/92		2	C.S.	289	0.0	14.1	41.1	34.4	8.3	2.1	0.0	0.0	0.0	0.0
	10/22/92		2	C.S.	44	0.0	12.4	37.6	33.9	11.3	4.8	0.0	0.0	0.0	0.0
	11/24/92	SB6	1	C.S.	22	0.0	8.1	36.3	42.8	9.2	3.5	0.0	0.0	0.0	0.0
Float Survey Data	10/22/92	HRM 196.8-C	2	C.S.	40	0.0	16.3	38.1	33.7	9.0	3.0	0.0	0.0	0.0	0.0
	10/22/92	HRM 196.4-C	2	C.S.	74	0.0	14.5	37.9	34.9	9.0	3.7	0.0	0.0	0.0	0.0
	10/22/92	HRM 195.8-C	2	C.S.	100	0.0	13.9	41.9	32.6	8.3	3.3	0.0	0.0	0.0	0.0
	10/22/92	HRM 195.3-C	2	C.S.	59	0.0	13.4	40.9	33.0	9.3	3.5	0.0	0.0	0.0	0.0
	10/22/92	HRM 194.7-C	2	C.S.	81	0.0	13.3	42.1	31.9	9.2	3.5	0.0	0.0	0.0	0.0
East channel of River @ HRM 194.2	5/19/92		3	C.S.	82	0.0	9.7	43.5	35.8	7.9	3.0	0.0	0.0	0.0	0.0
	8/13/92		3	C.S.	770	2.0	19.6	41.4	28.9	6.7	1.5	0.0	0.0	0.0	0.0
	8/19/92		3	C.S.	616	1.9	18.7	41.8	30.4	5.8	1.5	0.0	0.0	0.0	0.0
West channel of River @ HRM 194.2	5/19/92		3	C.S.	61	0.0	8.8	40.5	39.4	9.4	1.9	0.0	0.0	0.0	0.0
	8/13/92		3	C.S.	869	1.4	19.5	41.7	29.4	6.5	1.5	0.0	0.0	0.0	0.0
	8/19/92		3	C.S.	572	1.5	16.4	39.0	32.8	8.1	2.3	0.0	0.0	0.0	0.0
HRM 194.2 Composite (East and West Channel)	8/27/92		3	C.S.	499	3.1	17.0	40.9	29.7	7.5	1.8	0.0	0.0	0.0	0.0
	10/22/92		3	C.S.	114	0.0	12.9	41.4	34.4	8.6	2.8	0.0	0.0	0.0	0.0
	11/24/92	SB7	1	C.S.	60	0.0	7.8	41.8	38.8	10.0	1.6	0.0	0.0	0.0	0.0

GENERAL ELECTRIC COMPANY
HUDSON RIVER PROJECT
BAKERS FALLS INVESTIGATION

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WATER COLUMN TESTING RESULTS SUMMARY

LOCATION	DATE	SAMPLE DESIGNATION	SAMPLE TYPE *	ANALYSIS METHOD	TOTAL PCB (ng/l)	HOMOLOG DISTRIBUTION (% weight)									
						Mono	Di	Tri	Tetra	Penta	Hexa	Hepta	Octa	Nona	Dec
Sewer/Seepage entering eastern raceway	5/19/92		2	C.S.	543	0.0	7.2	41.6	41.4	8.5	1.3	0.0	0.0	0.0	0.0
	8/19/92		2	C.S.	1240	1.0	13.7	45.9	31.9	5.4	1.6	0.6	0.0	0.0	0.0

*1 - Composite sample collected over 4 - 8 hour period.

2 - Single grab sample

3 - Single vertically stratified composite

** - Mean Concentration from four locations

*** - Composite sample collected from two southern outlets only due high flow.

Table 1
General Electric Company
Post-Construction Remnant Deposit Monitoring Program
Hudson River Water Column PCB Monitoring Results

Date Collected	Location	Approximate River Mile	TSS (mg/l)	Total PCB (ng/l)	Homolog Distribution (weight %)							
					Mono	Di	Tri	Tetra	Penta	Hexa	Hepta	Octa
03/25/92	RM 197.0	197.0	-	<11	-	-	-	-	-	-	-	-
	RM 196.8	196.8	-	23	0.0	1.3	51.9	27.5	13.4	5.9	0.0	0.0
	RM 194.2	194.2	-	37	0.0	11.1	44.3	29.7	10.7	4.2	0.0	0.0
04/01/92	RM 197.0	197.0	10	<11	-	-	-	-	-	-	-	-
	RM 196.8	196.8	8	<11	-	-	-	-	-	-	-	-
	RM 194.2	194.2	11	38	0.0	12.9	39.2	30.4	13.3	4.2	0.0	0.0
04/08/92	RM 197.0	197.0	12	<11	-	-	-	-	-	-	-	-
	RM 196.8	196.8	7	55	0.0	6.5	36.9	37.6	12.4	6.6	0.0	0.0
	RM 194.2	194.2	7	67	0.0	8.0	35.7	37.9	13.4	5.0	0.0	0.0
04/15/92	RM 197.0	197.0	9	12	0.0	0.8	34.4	24.9	29.4	10.5	0.0	0.0
	RM 196.8	196.8	3	12	0.0	1.3	42.5	29.5	19.2	7.6	0.0	0.0
	RM 194.2	194.2	6	28	0.0	13.9	42.2	27.9	11.7	4.3	0.0	0.0
04/22/92	RM 197.0	197.0	4	<11	-	-	-	-	-	-	-	-
	RM 196.8	196.8	7	91	0.0	13.7	41.9	31.0	9.4	4.0	0.0	0.0
	RM 194.2	194.2	3	125	0.0	9.6	42.1	35.1	8.9	4.2	0.0	0.0
05/01/92	RM 197.0	197.0	7	<11	-	-	-	-	-	-	-	-
	RM 196.8	196.8	-	13	0.0	1.7	41.6	31.1	17.8	7.9	0.0	0.0
	RM 194.2	194.2	6	41	0.0	12.7	42.3	33.6	9.1	2.3	0.0	0.0

W/E = Composite sample of West and East channels

Table 1
General Electric Company
Post-Construction Remnant Deposit Monitoring Program
Hudson River Water Column PCB Monitoring Results

Date Collected	Location	Approximate River Mile	TSS (mg/l)	Total PCB (ng/l)	Homolog Distribution (weight %)							
					Mono	Di	Tri	Tetra	Penta	Hexa	Hepta	Octa
05/08/92	RM 197.0	197.0	8	<11	-	-	-	-	-	-	-	-
	RM 196.8	196.8	10	<11	-	-	-	-	-	-	-	-
	RM 194.2	194.2	7	47	0.0	11.5	36.7	35.1	14.0	2.7	0.0	0.0
05/13/92	RM 197.0	197.0	4	<11	-	-	-	-	-	-	-	-
	RM 196.8	196.8	3	20	0.0	10.0	36.4	29.8	16.3	7.5	0.0	0.0
	RM 194.2	194.2	5	47	0.0	10.6	38.9	29.5	13.3	7.8	0.0	0.0
05/21/92	RM 197.0	197.0	7	<11	-	-	-	-	-	-	-	-
	RM 196.8	196.8	8	19	0.0	1.7	45.9	36.4	12.1	4.0	0.0	0.0
	RM 194.2	194.2	5	63	0.0	11.9	40.6	34.2	10.8	2.5	0.0	0.0
05/28/92	RM 197.0	197.0	4	<11	-	-	-	-	-	-	-	-
	RM 196.8	196.8	5	35	0.0	11.8	35.7	36.8	13.2	2.5	0.0	0.0
	RM 194.2	194.2	7	92	0.0	7.9	34.0	36.2	16.3	5.5	0.0	0.0
06/04/92	RM 197.0	197.0	5	<11	-	-	-	-	-	-	-	-
	RM 196.8	196.8	8	19	0.0	14.1	35.4	26.8	19.1	4.7	0.0	0.0
	RM 194.2	194.2	6	79	0.0	12.8	38.7	34.1	10.8	3.7	0.0	0.0
06/10/92	RM 197.0	197.0	4	<11	-	-	-	-	-	-	-	-
	RM 196.8	196.8	3	57	0.0	13.3	40.4	33.8	9.7	2.9	0.0	0.0
	RM 194.2	194.2	4	77	0.0	11.5	38.0	37.3	10.4	3.0	0.0	0.0

W/E = Composite sample of West and East channels

Table 1
General Electric Company
Post-Construction Remnant Deposit Monitoring Program
Hudson River Water Column PCB Monitoring Results

Date Collected	Location	Approximate River Mile	TSS (mg/l)	Total PCB (ng/l)	Homolog Distribution (weight %)							
					Mono	Di	Tri	Tetra	Penta	Hexa	Hepta	Octa
06/18/92	RM 197.0	197.0	7	<11	-	-	-	-	-	-	-	-
	RM 196.8	196.8	4	70	0.0	6.6	37.3	40.9	10.4	4.9	0.0	0.0
	RM 194.2	194.2	1	163	0.0	5.6	35.4	44.7	11.2	3.2	0.0	0.0
06/25/92	RM 197.0	197.0	6	<11	-	-	-	-	-	-	-	-
	RM 196.8	196.8	8	78	0.0	10.6	36.8	34.5	12.4	5.7	0.0	0.0
	RM 194.2	194.2	8	489	0.0	7.9	42.5	38.7	8.6	2.2	0.0	0.0
07/01/92	RM 197.0	197.0	5	44	0.0	8.2	36.3	34.4	13.7	7.3	0.0	0.0
	RM 196.8	196.8	3	129	0.0	15.8	40.1	32.8	8.4	2.8	0.0	0.0
	RM 194.2	194.2	1	141	0.0	14.7	39.4	33.7	9.0	3.1	0.0	0.0
07/08/92	RM 197.0	197.0	5	<11	-	-	-	-	-	-	-	-
	RM 196.8	196.8	4	180	0.0	10.7	38.6	37.5	9.5	3.7	0.0	0.0
	RM 194.2	194.2	4	197	0.0	14.4	39.7	34.9	8.1	2.9	0.0	0.0
07/16/92	RM 197.0	197.0	6	<11	-	-	-	-	-	-	-	-
	RM 196.8	196.8	7	289	0.0	14.5	43.0	33.0	7.3	2.1	0.0	0.0
	RM 194.2	194.2	2	314	0.0	14.9	41.9	33.2	8.2	1.8	0.0	0.0
07/24/92	RM 197.0	197.0	6	<11	-	-	-	-	-	-	-	-
	RM 196.8	196.8	8	288	1.1	13.8	40.2	34.6	8.0	2.3	0.0	0.0
	RM 194.2	194.2	6	328	0.9	14.4	40.7	33.9	7.8	2.3	0.0	0.0

W/E = Composite sample of West and East channels

Table 1
General Electric Company
Post-Construction Remnant Deposit Monitoring Program
Hudson River Water Column PCB Monitoring Results

Date Collected	Location	Approximate River Mile	TSS (mg/l)	Total PCB (ng/l)	Homolog Distribution (weight %)							
					Mono	Di	Tri	Tetra	Penta	Hexa	Hepta	Octa
07/29/92	RM 197.0	197.0	8	<11	-	-	-	-	-	-	-	-
	RM 196.8	196.8	8	416	0.8	18.3	42.0	29.3	7.7	1.9	0.0	0.0
	RM 194.2	194.2	6	377	2.1	17.3	40.5	30.7	7.5	1.8	0.0	0.0
08/06/92	RM 197.0	197.0	6	<11	-	-	-	-	-	-	-	-
	RM 196.8	196.8	5	319	0.0	18.6	42.2	29.8	7.5	1.9	0.0	0.0
	RM 194.2	194.2	4	539	0.0	19.0	42.0	29.8	7.4	1.8	0.0	0.0
08/13/92	RM 197.0	197.0	8	<11	-	-	-	-	-	-	-	-
	RM 196.8	196.8	14	721	0.9	19.4	41.1	30.1	6.9	1.6	0.0	0.0
	RM 194.2	194.2	6	869	1.4	19.5	41.7	29.4	6.5	1.5	0.0	0.0
08/19/92	RM 197.0	197.0	5	<11	-	-	-	-	-	-	-	-
	RM 196.8	196.8	6	424	2.0	17.8	40.6	31.6	6.4	1.6	0.0	0.0
	RM 194.2	194.2	5	572	1.5	16.4	39.0	32.8	8.1	2.3	0.0	0.0
08/27/92	RM 197.0	197.0	3	<11	-	-	-	-	-	-	-	-
	RM 196.8	196.8	3	289	0.0	14.1	41.1	34.4	8.3	2.1	0.0	0.0
	RM 194.2	194.2	4	499	3.1	17.0	40.9	29.7	7.5	1.8	0.0	0.0
09/03/92	RM 197.0	197.0	9	<11	-	-	-	-	-	-	-	-
	RM 196.8	196.8	10	318	0.0	15.9	43.1	31.6	7.5	1.9	0.0	0.0
	RM 194.2	194.2	7	369	0.0	16.9	41.8	31.3	8.1	1.9	0.0	0.0

W/E = Composite sample of West and East channels

Table 1
General Electric Company
Post-Construction Remnant Deposit Monitoring Program
Hudson River Water Column PCB Monitoring Results

Date Collected	Location	Approximate River Mile	TSS (mg/l)	Total PCB (ng/l)	Homolog Distribution (weight %)							
					Mono	DI	Tri	Tetra	Penta	Hexa	Hepta	Octa
09/09/92	RM 197.0	197.0	2	<11	-	-	-	-	-	-	-	-
	RM 196.8	196.8	5	198	0.0	16.4	40.0	33.3	7.9	2.4	0.0	0.0
	RM 194.2E	194.2	1	473	1.4	15.5	38.4	32.6	7.8	3.4	0.8	0.0
09/17/92	RM 197.0	197.0	5	-	-	-	-	-	-	-	-	-
	RM 196.8	196.8	5	492	0.7	15.4	39.9	32.7	7.4	3.2	0.8	0.0
	RM 194.2	194.2	4	822	1.0	13.8	37.5	34.5	8.7	3.7	0.8	0.0
09/23/92	RM 197.0	197.0	4	<11	-	-	-	-	-	-	-	-
	RM 196.8	196.8	4	356	0.9	14.5	40.4	35.3	7.3	1.7	0.0	0.0
	RM 194.2W/E	194.2	3	941	0.9	15.7	40.8	32.8	6.9	2.4	0.4	0.0
09/30/92	RM 197.0	197.0	4	<11	-	-	-	-	-	-	-	-
	RM 196.8	196.8	6	135	0.0	14.8	41.3	33.7	7.5	2.7	0.0	0.0
	RM 194.2W/E	194.2	2	231	0.0	13.7	40.5	35.6	7.9	2.3	0.0	0.0
10/08/92	RM 197.0	197.0	5	<11	-	-	-	-	-	-	-	-
	RM 196.8	196.8	3	136	0.0	14.8	40.2	33.5	8.4	3.1	0.0	0.0
	RM 194.2E	194.2	4	212	0.0	12.5	36.0	37.6	10.4	3.5	0.0	0.0
10/15/92	RM 197.0	197.0	1	NA	-	-	-	-	-	-	-	-
	RM 196.8	196.8	3	70	0.0	12.6	39.4	37.2	8.1	2.8	0.0	0.0
	RM 194.2W/E	194.2	4	123	0.0	12.4	41.2	34.3	8.8	3.3	0.0	0.0

W/E = Composite sample of West and East channels

Table 1
General Electric Company
Post-Construction Remnant Deposit Monitoring Program
Hudson River Water Column PCB Monitoring Results

Date Collected	Location	Approximate River Mile	TSS (mg/l)	Total PCB (ng/l)	Homolog Distribution (weight %)							
					Mono	Di	Tri	Tetra	Penta	Hexa	Hepta	Octa
10/22/92	RM 197.0	197.0	9	<11	-	-	-	-	-	-	-	-
	RM 196.8	196.8	7	44	0.0	12.4	37.6	33.9	11.3	4.8	0.0	0.0
	RM 194.2W/E	194.2	8	114	0.0	12.9	41.4	34.4	8.6	2.8	0.0	0.0
10/28/92	RM 197.0	197.0	4	<11	0.0	0.0	16.9	31.9	35.8	15.4	0.0	0.0
	RM 196.8	196.8	4	41	0.0	15.1	34.7	35.7	11.4	3.0	0.0	0.0
	RM 194.2W/E	194.2	6	230	0.0	6.5	42.9	36.8	10.2	3.5	0.0	0.0
11/04/92	RM 197.0	197.0	7	<11	-	-	-	-	-	-	-	-
	RM 196.8	196.8	7	29	0.0	15.3	36.1	36.7	8.9	3.0	0.0	0.0
	RM 194.2W/E	194.2	7	92	0.0	10.7	39.3	36.6	10.2	3.2	0.0	0.0
11/11/92	RM 197.0	197.0	5	<11	-	-	-	-	-	-	-	-
	RM 196.8	196.8	2	37	0.0	16.1	41.0	31.2	8.7	3.0	0.0	0.0
	RM 194.2W/E	194.2	4	68	0.0	10.5	37.2	38.7	10.0	3.5	0.0	0.0
11/19/92	RM 197.0	197.0	4	<11	-	-	-	-	-	-	-	-
	RM 196.8	196.8	5	25	0.0	21.4	37.2	28.0	10.0	3.4	0.0	0.0
	RM 194.2W/E	194.2	4	45	0.0	14.4	37.7	37.0	7.8	3.1	0.0	0.0
11/24/92	RM 197.0	197.0	9	<11	-	-	-	-	-	-	-	-
	RM 196.8	196.8	11	22	0.0	8.1	36.3	42.8	9.2	3.5	0.0	0.0
	RM 194.2W/E	194.2	7	60	0.0	7.8	41.8	38.8	10.0	1.6	0.0	0.0
12/03/92	RM 197.0	197.0		13	0.0	1.6	34.6	31.2	24.7	7.9	0.0	0.0
	RM 196.8	196.8		13	0.0	1.7	43.1	28.5	19.2	7.5	0.0	0.0
	RM 194.2W/E	194.2		54	0.0	15.3	38.6	33.9	9.0	3.2	0.0	0.0

W/E = Composite sample of West and East channels

Table 1
General Electric Company
Post-Construction Remnant Deposit Monitoring Program
Hudson River Water Column PCB Monitoring Results

Date Collected	Location	Approximate River Mile	TSS (mg/l)	Total PCB (ng/l)	Homolog Distribution (weight %)							
					Mono	Di	Tri	Tetra	Penta	Hexa	Hepta	Octa
12/09/92	RM 197.0	197.0		<11	-	-	-	-	-	-	-	-
	RM 196.8	196.8		<11	-	-	-	-	-	-	-	-
	RM 194.2W/E	194.2		13	-	-	-	-	-	-	-	-
12/10/92	RM 197.0	197.0		<11	-	-	-	-	-	-	-	-
	RM 196.8	196.8		15	-	-	-	-	-	-	-	-
	RM 194.2W/E	194.2		15	-	-	-	-	-	-	-	-

W/E = Composite sample of West and East channels

Table 2
General Electric Company
Post-Construction Remnant Deposit Monitoring Program
Statistical Summary
Hudson River Water Column PCB Monitoring Results

Total PCB (ng/l)	SITE		
	RM 197.0	RM 196.8	RM 194.2
Number of Samples	36	36	36
Mean	12	152	250
Standard Deviation	-	169	248
Maximum	44	721	941
Minimum	<11	<11	28

Table 1
General Electric Company
Post-Construction Remnant Deposit Monitoring Program

Hudson River Water Column PCB Monitoring Results

Date Collected	Location	Approximate River Mile	TSS (mg/l)	Total PCB (ng/l)	Homolog Distribution (weight %)							
					Mono	Di	Tri	Tetra	Penta	Hexa	Hepta	Octa
12/09/92	RM 197.0	197.0		<11	-	-	-	-	-	-	-	-
	RM 196.8	196.8		<11	-	-	-	-	-	-	-	-
	RM 194.2W/E	194.2		13	-	-	-	-	-	-	-	-
12/10/92	RM 197.0	197.0		<11	-	-	-	-	-	-	-	-
	RM 196.8	196.8		15	-	-	-	-	-	-	-	-
	RM 194.2W/E	194.2		15	-	-	-	-	-	-	-	-
12/16/92	RM 197.0	197.0		<11	-	-	-	-	-	-	-	-
	RM 196.8	196.8		<11	-	-	-	-	-	-	-	-
	RM 194.2W/E	194.2		14	-	-	-	-	-	-	-	-
12/22/92	RM 197.0	197.0		<11	-	-	-	-	-	-	-	-
	RM 196.8	196.8		<11	-	-	-	-	-	-	-	-
	RM 194.2W/E	194.2		<11	-	-	-	-	-	-	-	-
12/30/92	RM 197.0	197.0		<11	-	-	-	-	-	-	-	-
	RM 196.8	196.8		<11	-	-	-	-	-	-	-	-
	RM 194.2W/E	194.2		<11	-	-	-	-	-	-	-	-
01/04/93	RM 197.0	197.0		<11	-	-	-	-	-	-	-	-
	RM 196.8	196.8		37	-	-	-	-	-	-	-	-
	RM 194.2W/E	194.2		76	0.0	16.0	38.4	29.8	10.2	5.6	0.0	0.0
01/14/93	RM 197.0	197.0		<11	-	-	-	-	-	-	-	-
	RM 196.8	196.8		35	0.0	9.2	39.3	31.7	15.6	4.3	0.0	0.0
	RM 194.2	194.2		1086	0.0	4.0	39.7	43.6	9.5	2.8	0.3	0.0

W/E = Composite sample of West and East channels

Table 1
General Electric Company
Post-Construction Remnant Deposit Monitoring Program
1993 Hudson River Water Column PCB Monitoring Results

Date Collected	Location	Approximate River Mile	TSS (mg/l)	Total PCB (ng/l)	Homolog Distribution (weight %)							
					Mono	Di	Tri	Tetra	Penta	Hexa	Hepta	Octa
01/04/93	RM 197.0	197.0	8	<11	-	-	-	-	-	-	-	-
	RM 196.8	196.8	8	37	-	-	-	-	-	-	-	-
	RM 194.2W/E	194.2	6	76	0.0	16.0	38.4	29.8	10.2	5.6	0.0	0.0
01/14/93	RM 197.0	197.0	6	<11	-	-	-	-	-	-	-	-
	RM 196.8	196.8	2	35	0.0	9.2	39.3	31.7	15.6	4.3	0.0	0.0
	RM 194.2	194.2	16	1086	0.0	4.0	39.7	43.6	9.5	2.8	0.3	0.0
01/21/93	RM 197.0	197.0	1	18	0.0	16.8	29.9	25.6	20.0	7.8	0.0	0.0
	RM 196.8	196.8	1	26	0.0	13.4	34.4	34.9	13.3	4.1	0.0	0.0
	RM 194.2	194.2	5	20	0.0	17.4	36.4	31.6	11.2	3.4	0.0	0.0
01/27/93	RM 197.0	197.0	1	<11	-	-	-	-	-	-	-	-
	RM 196.8	196.8	2	<11	-	-	-	-	-	-	-	-
	RM 194.2	194.2	2	<11	-	-	-	-	-	-	-	-
02/03/93	RM 197.0	197.0		<11	-	-	-	-	-	-	-	-
	RM 196.8	196.8		<11	-	-	-	-	-	-	-	-
	RM 194.2	194.2		32	0.0	10.1	34.0	34.4	14.9	6.7	0.0	0.0
02/10/93	RM 197.0	197.0		<11	-	-	-	-	-	-	-	-
	RM 196.8	196.8		13	0.0	16.8	36.7	22.2	17.2	7.1	0.0	0.0
	RM 194.2	194.2		28	0.0	13.6	33.4	31.2	13.6	8.1	0.0	0.0
02/16/93	RM 197.0	197.0		12	0.0	15.9	33.3	18.3	21.5	11.1	0.0	0.0
	RM 196.8	196.8		NS	-	-	-	-	-	-	-	-
	RM 194.2	194.2		46	0.0	12.3	36.3	31.6	12.4	7.4	0.0	0.0
02/24/93	RM 197.0	197.0		<11	-	-	-	-	-	-	-	-
	RM 196.8	196.8		NS	-	-	-	-	-	-	-	-
	RM 194.2	194.2		32	0.0	11.1	37.5	37.6	10.5	3.2	0.0	0.0
03/03/93	RM 197.0	197.0		<11	-	-	-	-	-	-	-	-
	RM 196.8	196.8		NS	-	-	-	-	-	-	-	-
	RM 194.2	194.2		29.58	0	13.06	31.75	30.57	17.16	7.46	0	0
03/10/93	RM 197.0	197.0		<11	-	-	-	-	-	-	-	-
	RM 196.8	196.8		15.8	0.0	1.6	43.2	31.2	16.4	7.6	0.0	0.0
	RM 194.2	194.2		24.67	0	1.76	41.35	36.28	14.88	5.73	0	0

Notes:

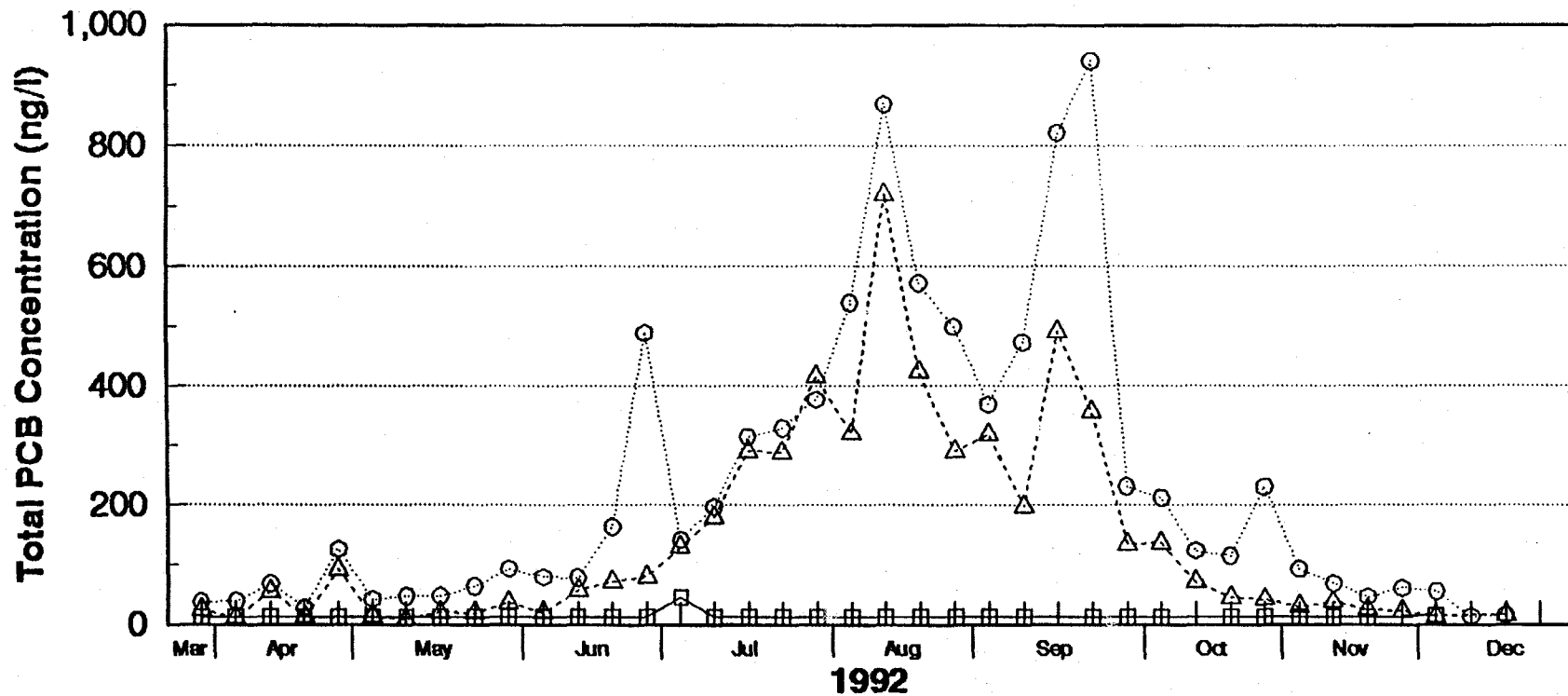
W/E = Composite sample of West and East channels

NS = Not sampled due to inaccessibility of sampling location

General Electric Company

Post Construction Remnant Deposit Monitoring

Water Column Total PCB Concentration vs Time

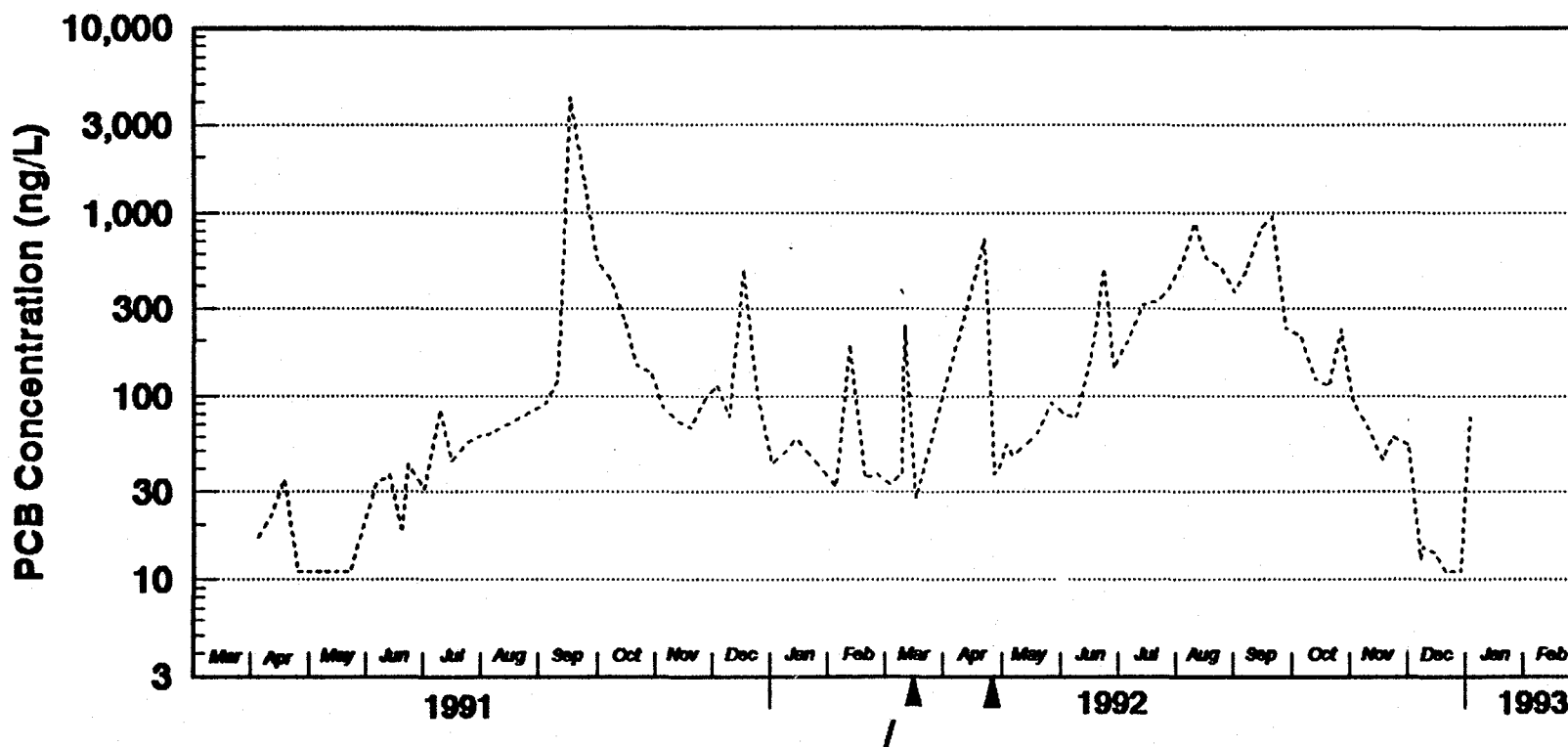


RM 197.0 RM 196.8 RM 194.2

O'Brien & Gere Engineers
January 8, 1993
PCBvsT2.DRW

Method Detection Limit - 11.0 ng/L
Practical Quantitation Limit - 44.0 ng/L

General Electric Company - Hudson River Project 1991-1993 Water Column Monitoring Results

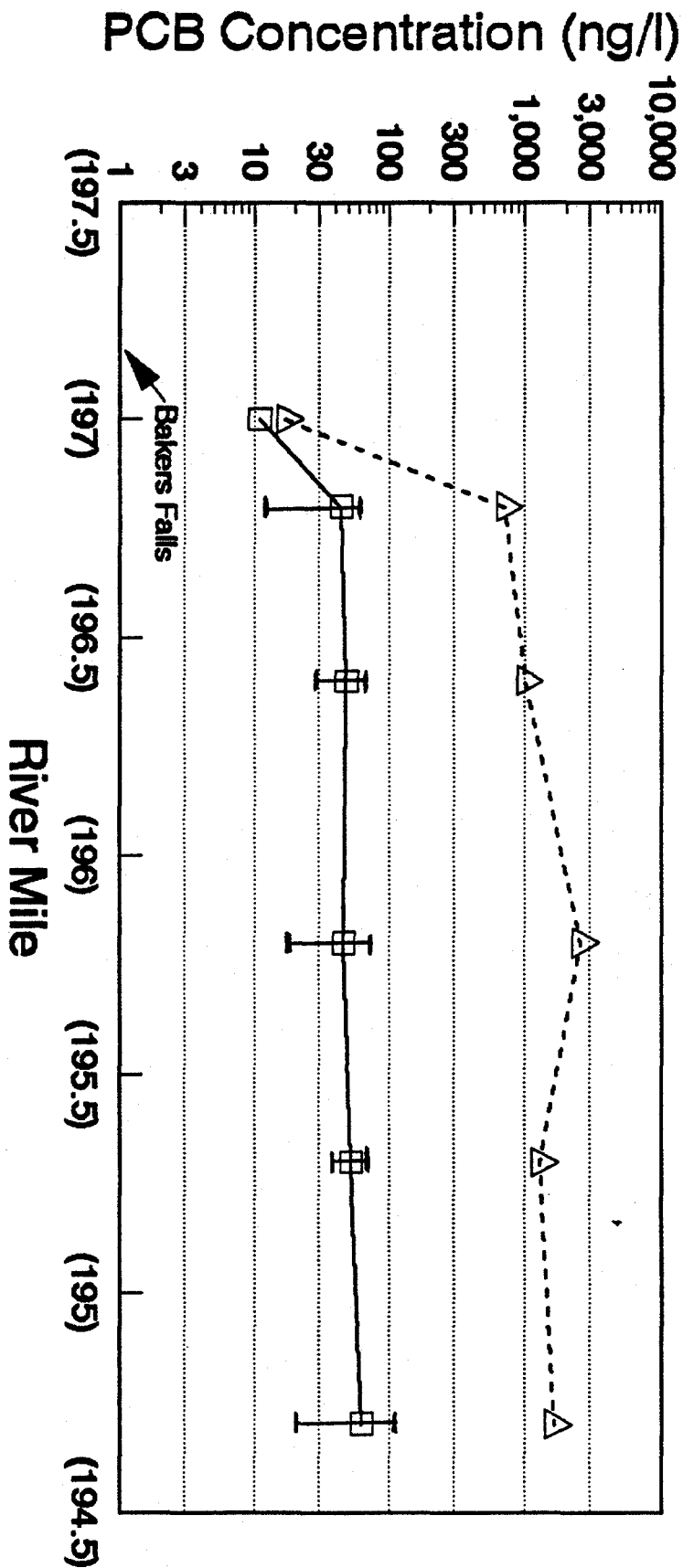


Fort Edward

O'Brien & Gere Engineers
March 2, 1993
BPCB3.DRW

▲ INDICATES
HIGH FLOW

General Electric Company - Hudson River Project Water Column Total PCB Float Survey Results

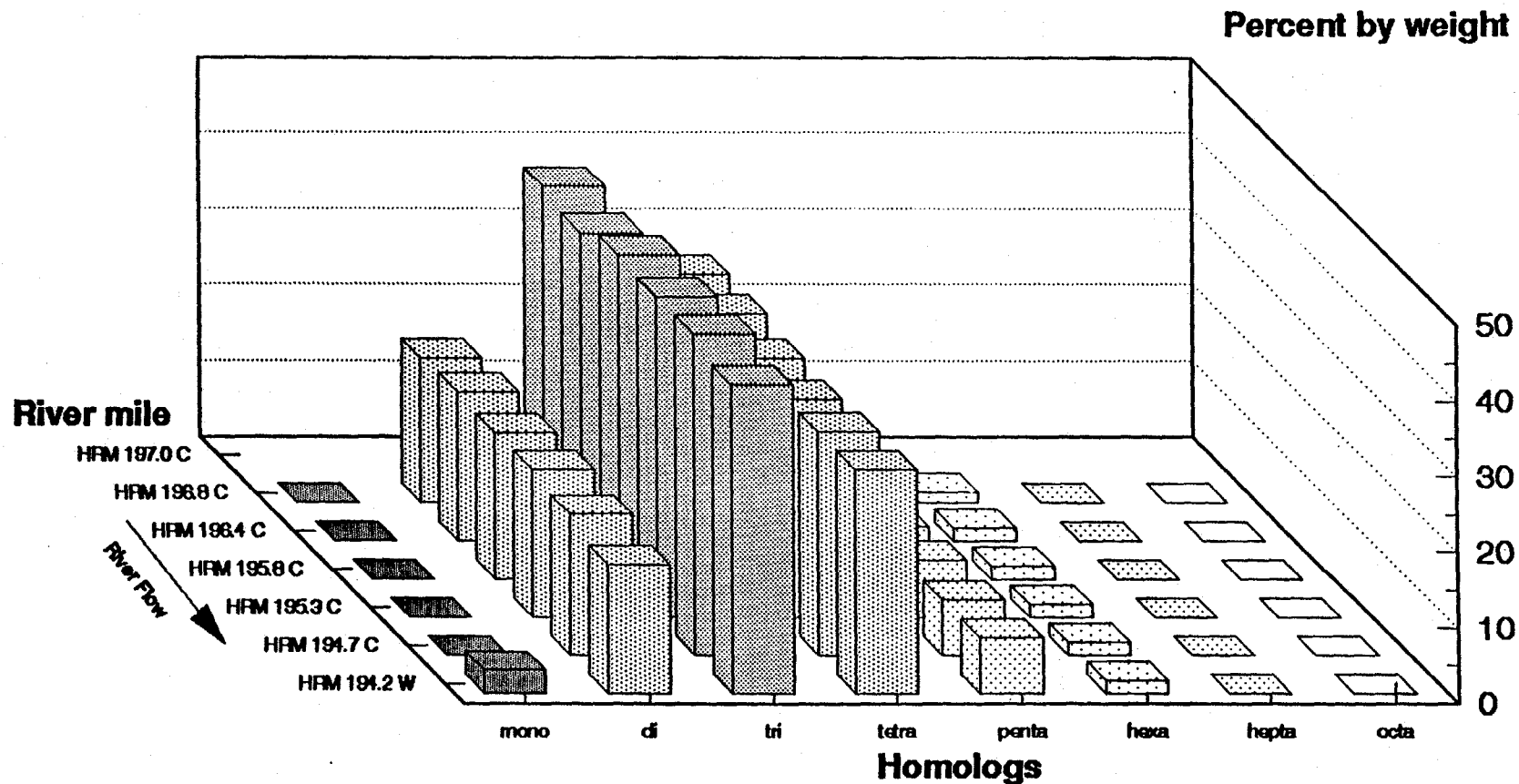


O'Brien & Gere Engineers, Inc.
 March 1, 1993
 FS9192.DRW

General Electric Company

Post Construction Remnant Deposit Monitoring

Float Survey Homologs - August 27, 1992



O'Brien & Gere Engineers
 October 2, 1992
 floham4b.dwg

10.11636

**General Electric Company
Post-Construction Remnant Deposit Monitoring Program**

Hudson River Float Survey PCB Monitoring Results

Date Collected	Location *	Approximate River Mile	TSS (mg/l)	Total PCB (ng/l)	Homolog distribution (weight %)							
					Mono	Di	Tri	Tetra	Penta	Hexa	Hepta	Octa
5/28/92	HRM-197.0 C	197.0	4	<11	--	--	--	--	--	--	--	--
	HRM-196.8 W	196.8	5	35	0.0	11.8	35.7	36.8	13.2	2.5	0.0	0.0
	HRM 196.8 C	196.8	3	21	0.0	9.5	43.1	33.7	11.3	2.4	0.0	0.0
	HRM 196.4 C	196.4	1	31	0.0	8.9	41.8	36.6	10.5	2.3	0.0	0.0
	HRM 196.4 E	196.4		65	0.0	9.3	41.3	38.4	8.6	2.4	0.0	0.0
	HRM 195.8 C	195.8	4	45	0.0	12.0	42.6	34.9	8.8	1.6	0.0	0.0
	HRM 195.3 C	195.3	5	72	0.0	9.8	38.6	37.0	10.9	3.7	0.0	0.0
	HRM 194.7 C	194.7	3	66	0.0	9.5	41.1	35.9	10.3	3.1	0.0	0.0
	HRM 194.2 W	194.2	7	92	0.0	7.9	34.0	36.2	16.3	5.5	0.0	0.0
6/25/92	HRM 194.2 E	194.2		98	0.0	8.1	41.5	37.5	9.8	3.1	0.0	0.0
	HRM-197.0 C	197.0		<11	--	--	--	--	--	--	--	--
	HRM 196.8 C	196.8	8	78	0.0	10.6	36.8	34.5	12.4	5.7	0.0	0.0
	HRM 196.4 C	196.4	5	129	0.0	16.2	42.3	32.5	7.7	1.3	0.0	0.0
	HRM 195.8 C	195.8	8	163	0.0	15.2	43.1	32.4	8.0	1.4	0.0	0.0
	HRM 195.3 C	195.3	6	242	0.0	14.8	41.7	33.7	7.5	2.2	0.0	0.0
	HRM 194.7 C	194.7	3	183	0.0	12.9	39.5	36.7	8.2	2.7	0.0	0.0
	HRM 194.2 W	194.2	8	489	0.0	7.9	42.5	38.7	8.6	2.2	0.0	0.0
	HRM 194.2 E	194.2		165	0.0	14.5	40.1	34.9	7.8	2.8	0.0	0.0
7/29/92	HRM 197.0 C	197.0	8	<11	--	--	--	--	--	--	--	--
	HRM 196.8 C	196.8	8	416	0.8	18.3	42.0	29.3	7.7	1.9	0.0	0.0
	HRM 196.4 C	196.4	6	467	1.0	15.3	42.2	33.2	6.6	1.7	0.0	0.0
	HRM 195.8 C	195.8	5	525	1.4	16.9	41.8	32.1	6.3	1.5	0.0	0.0
	HRM 195.3 C	195.3	5	523	0.9	15.4	40.9	34.0	7.1	1.8	0.0	0.0
	HRM 194.7 C	194.7	5	443	1.3	17.1	41.9	31.7	6.5	1.6	0.0	0.0
	HRM 194.2 W	194.2	6	377	2.1	17.3	40.5	30.7	7.5	1.8	0.0	0.0
	HRM 194.2 E	194.2	4	471	1.2	16.8	41.7	31.7	6.9	1.8	0.0	0.0

* W, C, E indicate river channel location where the sample was collected (West, Center, East, respectively)

** W/E indicates composite sample of East and West channels

**General Electric Company
Post-Construction Remnant Deposit Monitoring Program**

Hudson River Float Survey PCB Monitoring Results

Date Collected	Location *	Approximate River Mile	TSS (mg/l)	Total PCB (ng/l)	Homolog distribution (weight %)							
					Mono	Di	Tri	Tetra	Penta	Hexa	Hepta	Octa
8/27/92	HRM 197.0 C	197.0	3	<11	--	--	--	--	--	--	--	--
	HRM 196.8 C	196.8	3	334	0.0	19.1	41.7	30.1	7.7	1.4	0.0	0.0
	HRM 196.4 C	196.4	6	266	0.0	19.7	40.6	30.0	8.2	1.7	0.0	0.0
	HRM 195.8 C	195.8	4	314	0.0	19.4	42.7	29.2	7.0	1.7	0.0	0.0
	HRM 195.3 C	195.3	4	340	0.0	19.5	42.2	28.9	7.6	1.8	0.0	0.0
	HRM 194.7 C	194.7	2	348	0.0	18.7	42.4	29.6	7.5	1.8	0.0	0.0
	HRM 194.2 W	194.2	4	499	3.1	17.0	40.9	29.7	7.5	1.8	0.0	0.0
9/30/92	HRM 197.0 C	197.0		<11	--	--	--	--	--	--	--	--
	HRM 196.8 C	196.8		114	0.0	17.6	40.8	30.3	8.6	2.7	0.0	0.0
	HRM 196.4 C	196.4		201	0.0	16.3	40.4	33.2	7.9	2.3	0.0	0.0
	HRM 195.8 C	195.8		218	0.0	17.0	41.1	32.6	7.3	2.0	0.0	0.0
	HRM 195.3 C	195.3		266	0.0	15.3	40.2	34.5	7.9	2.2	0.0	0.0
	HRM 194.7 C	194.7		244	0.0	15.3	42.0	33.5	7.4	2.0	0.0	0.0
	HRM 194.2 W/E	194.2		231	0.0	13.7	40.5	35.6	7.9	2.3	0.0	0.0

* W, C, E indicate river channel location where the sample was collected (West, Center, East, respectively)

** W/E indicates composite sample of East and West channels

Sent 1.25/93

New York State Department of Environmental Conservation
Division of Fish and Wildlife

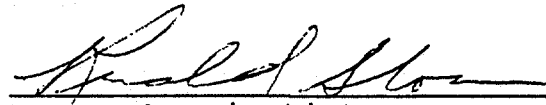
M E M O R A N D U M

January 22, 1993

TO: Interested Parties
FROM: Ron Sloan
RE: Initial Hudson River Fish PCB Results

Due to intense interest in the 1992 data in light of the source condition above Ft. Edward, the fish PCB results are being released as they come available. Currently, the samples from the Thompson Island Pool are finished. A summary table comparing 1991 values with 1992 concentrations is attached. Although not all species comparisons are statistically significant, the apparent increases are consistent for both wet weight and lipid-based concentrations. Other summary tables, principally trend related analyses, are in preparation and will be distributed when completed.

Fish from the Stillwater Pool are currently under analysis and are targeted for completion by the end of February.


Research Scientist

MAY / JUNE

Table . One-tailed t-tests for mean PCB concentrations in fish from the Thompson Island Pool (Griffin Island) of the Hudson River collected in the spring of 1991 versus 1992.

Species	Analytical basis	Means (ppm) $\pm$ standard deviations (number of analyses)		t-value
		1991	1992	
Brown bullhead	wet	5.27 $\pm$ 3.55 (20)	18.09 $\pm$ 9.55 (20)	5.62**
	lipid	491.4 $\pm$ 315.6 (20)	1399.0 $\pm$ 1012.6 (20)	3.83**
Black crappie	wet	7.13 $\pm$ 5.89 (9)	31.49 $\pm$ 12.59 (12)	5.36**
	lipid	1123.6 $\pm$ 544.2 (9)	1656.6 $\pm$ 571.7 (12)	2.16*
Bluegill	wet	3.55 $\pm$ 2.01 (12)	6.43 $\pm$ 2.95 (12)	2.79**
	lipid	531.2 $\pm$ 294.2 (12)	954.8 $\pm$ 598.1 (12)	2.20*
Chain pickerel	wet	0.56 $\pm$ 0.19 (5)	5.05 $\pm$ 3.70 (11)	2.66**
	lipid	353.2 $\pm$ 250.6 (5)	1380.7 $\pm$ 906.6 (11)	2.45*
Largemouth bass	wet	3.87 $\pm$ 2.46 (7)	22.46 $\pm$ 19.2 (20)	2.52**
	lipid	1578.2 $\pm$ 821.9 (7)	2132.1 $\pm$ 1452.0 (20)	0.95 ^{ns}
Northern pike	wet	3.19 (1)	64.7 (1)	--
	lipid	725.0 (1)	3739.9 (1)	--
Pumpkinseed	wet	4.20 $\pm$ 2.71 (12)	13.34 $\pm$ 3.47 (12)	7.19**
	lipid	628.6 $\pm$ 413.3 (12)	750.1 $\pm$ 205.6 (12)	0.91 ^{ns}
Walleye	wet	5.21 $\pm$ 2.75 (7)	30.33 $\pm$ 42.04 (4)	1.64 ^{ns}
	lipid	1008.2 $\pm$ 346.9 (7)	2705.1 $\pm$ 2065.3 (4)	2.21*
Yellow perch	wet	6.87 $\pm$ 7.61 (12)	12.91 $\pm$ 6.53 (11)	2.03*
	lipid	1141.4 $\pm$ 987.4 (12)	1562.3 $\pm$ 1764.0 (11)	0.71 ^{ns}

^{ns} not significant; P > 0.05

* P < 0.05

** P < 0.01

New York State Department of Environmental Conservation
Division of Fish and Wildlife

M E M O R A N D U M

March 16, 1993

TO: Interested Parties
FROM: Ron Sloan
RE: Second Set of 1992 Hudson River Fish PCB Results

As indicated in my memorandum of January 22, 1993, I am continuing to update the 1992 Hudson River fish PCB results and with this transmittal the data include Thompson Island Pool (circulated previously - Table 1) and now Stillwater Pool (Table 2). Data from the spring collections at Stillwater also show a general increase of about threefold similar to that observed in the Thompson Island Pool. However, largemouth bass PCB concentrations on a lipid basis actually showed a significant decrease. All other comparisons across the seven common species collected from Stillwater in 1991 and 1992 exhibited increases with 10 of the 13 proving significant.

Fish from between Lock 1 and the Federal Dam at Troy are currently under analysis and are scheduled for completion by the end of March.



Ph.D., Research Scientist

Table 1. One-tailed t-tests for mean PCB concentrations in spring collected fish from the Thompson Island Pool of the Hudson River (RM 190) for 1991 versus 1992.

Species	Analytical basis	Means (ppm) $\pm$ standard deviations (number of analyses)		t-value
		1991	1992	
Brown bullhead	wet	5.27 $\pm$ 3.55 (20)	18.09 $\pm$ 9.55 (20)	5.62**
	lipid	491.4 $\pm$ 315.6 (20)	1399.0 $\pm$ 1012.6 (20)	3.83**
Black crappie	wet	7.13 $\pm$ 5.89 (9)	31.49 $\pm$ 12.59 (12)	5.36**
	lipid	1123.6 $\pm$ 544.2 (9)	1656.6 $\pm$ 571.7 (12)	2.16*
Bluegill	wet	3.55 $\pm$ 2.01 (12)	6.43 $\pm$ 2.95 (12)	2.79**
	lipid	531.2 $\pm$ 294.2 (12)	954.8 $\pm$ 598.1 (12)	2.20*
Chain pickerel	wet	0.56 $\pm$ 0.19 (5)	5.05 $\pm$ 3.70 (11)	2.66**
	lipid	353.2 $\pm$ 250.6 (5)	1380.7 $\pm$ 966.6 (11)	2.45*
Largemouth bass	wet	3.87 $\pm$ 2.46 (7)	22.46 $\pm$ 19.2 (20)	2.52**
	lipid	1578.2 $\pm$ 821.9 (7)	2132.1 $\pm$ 1452.0 (20)	0.95 ^{ns}
Northern pike	wet	3.19 (1)	64.7 (1)	--
	lipid	725.0 (1)	3739.9 (1)	--
Pumpkinseed	wet	4.20 $\pm$ 2.71 (12)	13.34 $\pm$ 3.47 (12)	7.19**
	lipid	628.6 $\pm$ 413.3 (12)	750.1 $\pm$ 205.6 (12)	0.91 ^{ns}
Walleye	wet	5.21 $\pm$ 2.75 (7)	30.33 $\pm$ 42.04 (4)	1.64 ^{ns}
	lipid	1008.2 $\pm$ 346.9 (7)	2705.1 $\pm$ 2065.3 (4)	2.21*
Yellow perch	wet	6.87 $\pm$ 7.61 (12)	12.91 $\pm$ 6.53 (11)	2.03*
	lipid	1141.4 $\pm$ 987.4 (12)	1562.3 $\pm$ 1764.0 (11)	0.71 ^{ns}

^{ns} not significant; $P > 0.05$

* $P < 0.05$

** $P < 0.01$

Table 2. One-tailed t-tests for mean PCB concentrations in spring collected fish from the Stillwater Pool of the Hudson River (RM 175) for 1991 versus 1992.

<u>Species</u>	<u>Analytical basis</u>	<u>Means (ppm) ± standard deviations (number of analyses)</u>		<u>t-value</u>
		<u>1991</u>	<u>1992</u>	
Brown bullhead	wet	2.74±1.33 (20)	9.66±3.42 (20)	8.43**
	lipid	166.0± 54.3 (20)	275.4± 104.3 (20)	4.16**
Black crappie	wet	0.91±0.76 (11)	8.63± 5.87 (5)	4.47**
	lipid	304.7±132.8 (11)	324.3±122.0 (5)	0.28 ^{ns}
Bluegill	wet	1.55±0.76 (12)	2.30±1.28 (12)	1.74*
	lipid	246.7± 99.4 (12)	393.1±112.9 (12)	3.37**
Largemouth bass	wet	0.96±0.48 (9)	6.87±3.74 (20)	4.67**
	lipid	650.6±182.8 (9)	458.6± 126.5 (20)	-3.29**
Northern pike	wet	3.47±9.50 (13)	3.94±0.51 (3)	0.08 ^{ns}
	lipid	421.2±339.8 (13)	723.2±403.5 (3)	1.35 ^{ns}
Pumpkinseed	wet	1.19±0.48 (12)	5.94± 3.52 (12)	4.63**
	lipid	204.1± 51.7 (12)	476.9±190.1 (12)	4.79**
Yellow perch	wet	0.80±0.31 (12)	4.63± 1.13 (12)	11.28**
	lipid	199.8± 59.5 (12)	522.8± 87.3 (12)	10.59**

^{ns} not significant; P > 0.05

* P < 0.05

** P < 0.01

GENERAL ELECTRIC DATA COLLECTION

<u>DESCRIPTION</u>	<u>DATE(S)</u>	<u>MEDIA</u>	<u>Approximate #OF SAMPLES</u>	<u>CONTRACTOR</u>
Hot Spot Survey	1990	Sediments	60	Harza
H7 Survey	1990	Sediments	150	OBG
Remnant Monitoring	1988-91	Sed/Water/Biota/Air	2625	Harza
Lower River Sampling	1989-91	Sed/Biota	500	Harza
Hot Spot Survey	1990	Sediments	400	OBG
Upper Riv.Sediment Survey	1991	Sed Pore Water	1000 cores	OBG
Upper River Monitoring	1991-92	Water	1020	OBG
Bathymetric Survey	1991	Depth	608 Transects	Hydrodata
Storm Event Monitoring	1992	Water	65	OBG
TSS Survey	1991	Water	1300	OBG
Food Chain Study	1992	Water/biota/sediment	50	OBG
Other Source Invest.	1990	Water/sediments	140	OBG
Barge Canal Sediments	1992	Sediment	19	OBG
Upper River Fish	1990	Fish	195	LAW
Float Surveys	1991-92	Water	75	OBG
Remnant Deposits-Fixed Point	1992-Present	Water	270	OBG
Remnant Deposits-Verification	1992	Water	25	OBG
Remnant Deposits Char.	1989	Soils	300	Canonie
Scott Paper	1992	Soils	40	OBG