WATER CHEMISTRY

DESIGN				BENEFITS																COST
				Objectives Addressed					Power											
Design	# of sites	Frequenc	Season	1	2	3	4	5	80% Trend Power in Each Segment	LSB	SB	CB	SPB	SUB	80% Threshold Power in Each Segment	LSB	SB	CB	SPB	SUB	Cost/yr
Status Quo	31	Annual	Summer						PCBs (20/50)						Hg on SSC						$460,000
									Hg (20/20)						PCBs						
									Se (20/20)						Cu						
									DDTs (20/50)						Ni						
															Pb						
4 sites per segment	25	Annual	Summer						PCBs						Hg on SSC						$390,000
									Hg						PCBs						
									Se						Cu						
									DDTs						Ni						
															Pb						
3 sites per segment	20	Annual	Summer						PCBs						Hg on SSC						$340,000
									Hg						PCBs						
									Se						Cu						
									DDTs						Ni						
															Pb						
Biennial	31	Biennial	Summer					?	PCBs						Hg on SSC						$230,000
									Hg						PCBs	2	2				
									Se						Cu	2	2	2	2	2	
									DDTs						Ni	2	2	2	2	2	
															Pb	2	2	2	2	2	
Triennial	31	Triennial	Summer					?	PCBs						Hg on SSC						$153,333
									Hg						PCBs	3	3				
									Se						Cu	3	3	3	3	3	
									DDTs						Ni	3	3	3	3	3	
															Pb	3	3	3	3	3	

EXPLANATIONS

High value for this objective
Medium value for this objective
Some limited value for this objective

Power greater than 80%

2 Assessment can only be made every 2nd yr
3 Assessment can only be made every 3rd yr

20/50 = 20 year time frame, 50% decline

SEDIMENT CHEMISTRY

DESIGN				BENEFITS																COST
				Objectives Addressed					Power											
Design	# of sites	Frequency	Season	1	2	3	4	5	80% Trend Power in Each Segment	LSB	SB	CB	SPB	SUB	80% Threshold Power in Each Segment	LSB	SB	CB	SPB	SUB	Cost/yr
Status Quo	47	Annual	Summer						PCBs						NA						$180,000
(8 sites per segment)									Hg (20/20)												
6 sites per segment	37	Annual	Summer						PCBs						NA						$150,000
									Hg (20/20)												
4 sites per segment	27	Annual	Summer						PCBs						NA						$120,000
									Hg (20/20)												
Biennial, 8 sites	47	Biennial	Summer						PCBs						NA						$90,000
									Hg (20/20)												

EXPLANATIONS

High value for this objective
Medium value for this objective
Some limited value for this objective

Power greater than 80%

20/50 = 20 year time frame, 50% decline

EPISODIC TOXICITY

DESIGN				BENEFITS																	COST
				Objectives Addressed					Power												
Design	**# of sites**	**Frequency**	**Season**	1	2	3	4	5	**80% Trend Power in Each Segment**	LSB	SB	CB	SPB	SUB	**80% Threshold Power in Each Segment**	LSB	SB	CB	SPB	SUB	**Cost/yr**
Status Quo	6 tribs	Annual	Wet Season						NA						NA						$140,000
	4 events																				
Biennial	6 tribs	Biennial	Wet Season						NA						NA						$70,000
	4 events																				
									NA						NA						
									NA						NA						
									NA						NA						

EXPLANATIONS

High value for this objective
Medium value for this objective
Some limited value for this objective

BIVALVES

DESIGN				BENEFITS													COST
				Objectives Addressed					Power								
Design	**# of sites**	**Frequency**	**Season**	1	2	3	4	5	**80% Trend Power**	**Baywide**	**80% Threshold Power in Each Segment**	LSB	SB	CB	SPB	SUB	**Cost/yr**
Status Quo	11	Annual	Summer						PCBs (20/50)		NA						$140,000
									DDT (20/50)								
									PBDEs (20/50)								
Biennial	11	Biennial	Summer						PCBs		NA						$70,000
									DDT								
									PBDEs								
Reduced # of Sites	7	Annual	Summer						PCBs		NA						$115,000
									DDT								
									PBDEs								
											NA						
											NA						

EXPLANATIONS

High value for this objective
Medium value for this objective
Some limited value for this objective

Power greater than 80%

20/50 = 20 year time frame, 50% decline

SEDIMENT TOXICITY

DESIGN				BENEFITS															COST
				Objectives Addressed					Power										
Design	# of sites	Frequenc	Season	1	2	3	4	5	80% Trend Power in Each Segment	LSB	SB	CB	SPB	SUB	80% Threshold Power in Each Segment	LSB	SB	CB	SPB	SUB	Cost/yr
Status Quo	27	Annual	Summer						NA						NA						$90,000
Reduced # of Sites	14	Annual	Summer						NA						NA						$50,000
Biennial	27	Biennial	Summer						NA						NA						$45,000
									NA						NA						
									NA						NA						
									NA						NA						

EXPLANATIONS

High value for this objective
Medium value for this objective
Some limited value for this objective

SPORT FISH

DESIGN				BENEFITS																COST
				Objectives Addressed					Power											
Design	**# of sites**	**Frequency**	**Season**	1	2	3	4	5	**80% Trend Power for Each Species**	Shiner	Croak	Bass	**80% Threshold Power for Each Species**	Croak	Shiner	Striper	Halib	Sturg	Jacks	**Cost/yr**
Status Quo	5	Triennial	Summer						PCBs (20/50)				PCBs							$83,333
									Hg (20/20)			79	Hg							
									PBDEs (20/20)											
Quadrennial	5	4 years	Summer						PCBs				PCBs							$62,500
									Hg				Hg							
									PBDEs											
Quintennial	5	5 years	Summer						PCBs				PCBs							$50,000
									Hg				Hg							
									PBDEs											

High value for this objective
Medium value for this objective
Some limited value for this objective

Power greater than 80%