

APPENDIX B

SEDIMENT AND WATER QUALITY TABLES

TABLE 3.2-1
DETECTED PARAMETERS IN THE HISTORIC DATA
ENTRANCE CHANNEL
CORPUS CHRISTI SHIP CHANNEL

Parameter	ERL	Liquid Media Unit	Solid Media Unit	Station: Date: Channel Station:	CC-J-84-01 6/28/1984 0+00		CC-J-84-02 6/28/1984 50+00		CC-J-84-03 6/28/1984 100+00		CC-J-84-04 6/28/1984 150+00		CC-J-90-01 3/15/1990 0+00	
					Water	Elutriate Sediment	Water	Elutriate Sediment	Water	Elutriate Sediment	Water	Elutriate Sediment	Water	Elutriate Sediment
Sand		%			78.43		71.09		72.70		97.30		97.30	
Silt		%			3.76		6.79		9.66		2.70		2.70	
Clay		%			17.81		22.12		17.65		0.24		0.24	
D50		mm			0.19		0.19		0.17					
Oil & Grease	No ERL	mg/L		N/A	12.00	9.00	15.00	8.00	18.25	6.00	12.75	2.80	5.10	
As	8.2	ug/L		149	3.0	6.0	3.0	6.0	4.0	3.0	5.0	5.0	1.7	
Ba	No ERL	ug/L		N/A	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.0
Cd	1.2	ug/L		45.62	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.0
Cr	81	ug/L		N/A	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.0
Cu	34	ug/L		13.5	<1.00	30.00	<1.00	3.00	4.00	<1.00	2.00	<1.00	<1.00	<1.0
Pb	46.7	ug/L		133	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.0
Hg	0.15	ug/L		2.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.1
Ni	20.9	ug/L		118	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<5.0
Ag	1	ug/L		2	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<5.0
Se	No ERL	ug/L		564	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<2.0
Zn	150	ug/L		92.7	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<5.0
TOC	No ERL	mg/L		N/A	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<5.0
Total PCB	22.7	ug/L		10	<0.50	<10.00	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10.00	<5.0
DDT	1.58	ug/L		0.13	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.50	<0.2
Chlordane	0.5	ug/L		0.09	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1.00	<0.2
Toxaphene	No ERL	ug/L		0.21	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10.00	<5.0
Total PAH	4.022	ug/L		N/A	<0.50	<10.00	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10.00	<5.0
Naphthalene	160	ug/L		N/A	<0.50	<10.00	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10.00	<5.0
Acenaphthene	16	ug/L		N/A	<0.50	<10.00	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10.00	<5.0
Fluoranthene	600	ug/L		N/A	<0.50	<10.00	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10.00	<5.0
Benzo(a)pyrene	430	ug/L		N/A	<0.50	<10.00	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10.00	<5.0
Benzo(e)pyrene	No ERL	ug/L		N/A	<0.50	<10.00	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10.00	<5.0
Total Petrol HC	No ERL	ug/L		N/A	<0.50	<10.00	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10.00	<5.0
Total Phenols	No ERL	ug/L		N/A	<0.50	<10.00	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10.00	<5.0
Total Volatile Sol	No ERL	%		N/A	<0.50	<10.00	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10.00	<5.0
Total Sulfides	No ERL	mg/L		N/A	<0.50	<10.00	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10.00	<5.0
Ammonia	No ERL	mg/L		N/A	<0.50	<10.00	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10.00	<5.0

Source: USACE Database.

TABLE 3.2-1 (Cont'd)
 DETECTED PARAMETERS IN THE HISTORIC DATA
 ENTRANCE CHANNEL
 CORPUS CHRISTI SHIP CHANNEL

Parameter	ERL	Liquid Media Unit	Solid Media Unit	Station: Date: Channel Station:	CC-J-90-02 3/15/1990 50+00		CC-J-90-03 4/4/1990 100+00		CC-J-90-04 4/4/1990 150+00		CC-J-90-05 4/4/1990 200+00		CC-J-90-DA1 4/4/1990 100+00		CC-J-99-03 1/28/1999 100+00	
					Water	Elutriate	Sediment	Water	Elutriate	Sediment	Water	Elutriate	Sediment	Water	Elutriate	Sediment
Sand		%			90.00		83.70		87.70		46.20		92.30		89.50	
Silt		%			10.00		9.60		8.60		29.50		7.70		1.10	
Clay		%					6.70		3.70		24.30				9.40	
D50		mm			0.31		0.14		0.12		0.07		0.19		0.12	
Oil & Grease	No ERL	mg/L	mg/kg	N/A	<2.0	<2.0	<1.0	<2.0	<1.0	<2.0	<2.0	<1.0	<2.0	<1.0	<1.00	1.56
As	8.2	ug/L	mg/kg	149	<2.0	<2.0	<0.1	<2.0	<0.1	<2.0	<2.0	<0.1	<2.0	<0.1	30.6	27.00
Ba	No ERL	ug/L	mg/kg	N/A	<2.0	<2.0	<0.1	<2.0	<0.1	<2.0	<2.0	<0.1	<2.0	<0.1	0.31	<0.10
Cd	1.2	ug/L	mg/kg	45.62	<10.0	<10.0	<1.0	<10.0	2.0	<10.0	<10.0	4.5	<10.0	<1.0	1.00	4.12
Cr	81	ug/L	mg/kg	N/A	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.00	<1.0	<1.0	1.31	1.58
Cu	34	ug/L	mg/kg	13.5	<5.0	<5.0	<1.0	<5.0	<1.0	<5.0	<5.0	<1.0	<5.0	<1.0	<1.00	1.89
Pb	46.7	ug/L	mg/kg	133	<0.2	<0.2	<0.1	<0.2	<0.1	<0.2	<0.2	<0.1	<0.2	<0.2	<0.20	0.20
Hg	0.15	ug/L	mg/kg	2.1	<5.0	<5.0	<1.0	<5.0	2.0	<5.0	<5.0	4.2	<5.0	<1.0	1.60	7.07
Ni	20.9	ug/L	mg/kg	118	<2.0	<2.0	<0.5	<2.0	<0.5	<2.0	<2.0	<0.5	<2.0	<0.5	<1.00	<0.10
Ag	1	ug/L	mg/kg	2	<2.0	<2.0	<0.5	<2.0	<0.5	<2.0	<2.0	<0.5	<2.0	<0.5	<1.00	<0.20
Se	No ERL	ug/L	mg/kg	564	<5.0	<5.0	2.3	<5.0	9.6	<5.0	11.8	<5.0	<5.0	2.4	2.70	1.40
Zn	150	ug/L	mg/kg	92.7	<5.0	<5.0	2.3	<5.0	9.6	<5.0	11.8	<5.0	<5.0	2.4	1.40	15.5
TOC	No ERL	mg/L	mg/kg	N/A	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	4.40	4830
Total PCB	22.7	ug/L	ug/kg	10	<0.5	<0.5	<5.0	<0.5	<5.0	<0.5	<5.0	<0.5	<0.5	<0.01	<0.01	<1.00
DDT	1.58	ug/L	ug/kg	0.13	<0.02	<0.02	<0.2	<0.02	<0.2	<0.02	<0.02	<0.2	<0.02	<0.10	<0.10	<10.0
Chlordane	0.5	ug/L	ug/kg	0.09	<0.02	<0.02	<0.2	<0.02	<0.2	<0.02	<0.02	<0.2	<0.02	<0.14	<0.14	<10.0
Toxaphene	No ERL	ug/L	ug/kg	0.21	<0.5	<0.5	<5.0	<0.5	<5.0	<0.5	<5.0	<0.5	<0.5	<0.50	<0.50	<50.0
Total PAH	4.022	ug/L	mg/kg	N/A	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.00	<50.0
Naphthalene	160	ug/L	ug/kg	N/A	<2.0	<2.0	<50.0	<2.0	<2.0	<2.0	<2.0	<50.0	<2.0	<2.00	<2.00	<20.0
Acenaphthene	600	ug/L	ug/kg	N/A	<2.0	<2.0	<50.0	<2.0	<2.0	<2.0	<2.0	<50.0	<2.0	<2.00	<2.00	<20.0
Fluoranthene	600	ug/L	ug/kg	N/A	<0.5	<0.5	<10.0	<0.5	<0.5	<0.5	<0.5	<10.0	<0.5	<0.50	<0.50	<20.0
Benzo(a)pyrene	430	ug/L	ug/kg	N/A	<0.5	<0.5	<10.0	<0.5	<0.5	<0.5	<0.5	<10.0	<0.5	<0.50	<0.50	<20.0
Benzo(e)pyrene	No ERL	ug/L	ug/kg	N/A	<0.5	<0.5	<10.0	<0.5	<0.5	<0.5	<0.5	<10.0	<0.5	<0.50	<0.50	<20.0
Total Petrol HC	No ERL	ug/L	mg/kg	N/A											330	20.1
Total Phenols	No ERL	ug/L	mg/kg	N/A												0.93
Total Volatile Sol	No ERL	%		N/A												
Total Sulfides	No ERL	mg/L	mg/kg	N/A												
Ammonia	No ERL	mg/L	mg/kg	N/A									100		1.58	

TABLE 3.2-1 (Concluded)
 DETECTED PARAMETERS IN THE HISTORIC DATA
 ENTRANCE CHANNEL
 CORPUS CHRISTI SHIP CHANNEL

Parameter	ERL	Liquid Media Unit	Solid Media Unit	Texas Acute Marine Water Quality Standard	Station: Date: Channel Station:	CC-J-99-04 1/28/1999 150+00		CC-J-99-05 1/28/1999 200+00		CC-J-99-DA1 1/28/1999 150+00		CC-J-99-REF1 1/28/1999	
						Water	Sediment	Water	Sediment	Water	Sediment	Water	Sediment
Sand		%				48.30		36.60		99.90		52.70	
Silt		%				21.50		30.40		0.10		11.30	
Clay		%				30.20		33.00				36.00	
D50		mm				0.07		0.04		0.21		0.08	
Oil & Grease	No ERL	mg/L		N/A									
As	8.2	ug/L	mg/kg	149		<1.00	2.48	<1.00	1.50	3.35	1.44	1.80	1.07
Ba	No ERL	ug/L	mg/kg	N/A		27.2	44.7	83.30	18.3	28.5	26.8	5.91	19.9
Cd	1.2	ug/L	mg/kg	45.62		<0.10	0.16	<0.10	0.35	<0.10	0.10	0.12	0.67
Cr	81	ug/L	mg/kg	N/A		<1.00	9.54	<1.00	<1.00	12.75	<1.00	<1.00	<1.00
Cu	34	ug/L	mg/kg	13.5		<1.00	4.28	<1.00	<1.00	6.85	<1.00	<1.00	<1.00
Pb	46.7	ug/L	mg/kg	133		<1.00	3.83	<1.00	<1.00	5.18	<1.00	<1.00	<1.00
Hg	0.15	ug/L	mg/kg	2.1		<0.20	<0.20	<0.20	<0.20	0.05	<0.20	<0.20	<0.20
Ni	20.9	ug/L	mg/kg	118		1.40	8.15	<1.00	<1.00	12.65	<1.00	<1.00	<1.00
Ag	1	ug/L	mg/kg	2		<1.00	0.17	<1.00	<1.00	<0.10	<1.00	<1.00	<1.00
Se	No ERL	ug/L	mg/kg	564		<1.00	<0.20	<1.00	<1.00	<0.20	<1.00	<1.00	<1.00
Zn	150	ug/L	mg/kg	92.7		4.40	31.4	1.45	<1.00	45.7	2.30	88.8	6.30
TOC	No ERL	mg/L	mg/kg	N/A		<1.00	11300	<1.00	<1.00	8365	<1.00	<1.00	<1.00
Total PCB	22.7	ug/L	ug/kg	10		<0.01	<1.00	<0.01	<0.01	<1.00	<0.01	<0.01	<0.01
DDT	1.58	ug/L	ug/kg	0.13		<0.10	<1.00	<0.10	<0.10	<10.0	<0.10	<0.10	<10.0
Chlordane	0.5	ug/L	ug/kg	0.09		<0.14	<1.00	<0.14	<0.14	<10.0	<0.14	<0.14	<10.0
Toxaphene	No ERL	ug/L	ug/kg	0.21		<0.50	<0.50	<0.50	<0.50	<50.0	<0.50	<0.50	<50.0
Total PAH	4,022	ug/L	mg/kg	N/A		<5.00	<5.00	<5.00	<5.00	<50.0	<5.00	<5.00	<50.0
Naphthalene	160	ug/L	ug/kg	N/A		<2.00	<2.00	<2.00	<2.00	<20.0	<2.00	<2.00	<20.0
Acenaphthene	16	ug/L	ug/kg	N/A		<2.00	<2.00	<2.00	<2.00	<20.0	<2.00	<2.00	<20.0
Fluoranthene	600	ug/L	ug/kg	N/A		<0.50	<0.50	<0.50	<0.50	<20.0	<0.50	<0.50	<20.0
Benzo(a)pyrene	430	ug/L	ug/kg	N/A		<0.50	<0.50	<0.50	<0.50	<20.0	<0.50	<0.50	<20.0
Benzo(e)pyrene	No ERL	ug/L	ug/kg	N/A		<0.50	<0.50	<0.50	<0.50	<20.0	<0.50	<0.50	<20.0
Total Petrol HC	No ERL	ug/L	mg/kg	N/A		110	270	765				350	
Total Phenols	No ERL	ug/L	mg/kg	N/A									
Total Volatile Sol	No ERL	%		N/A			1.26	0.90		0.69			1.21
Total Sulfides	No ERL	mg/L	mg/kg	N/A				9.4					
Ammonia	No ERL	mg/L	mg/kg	N/A		0.04	5.47	0.3	0.95	0.4	100	0.51	

TABLE 3.2-2

SUMMARY OF BIOASSAY DATA FOR MAINTENANCE MATERIAL (% Survival)
 ENTRANCE CHANNEL
 CORPUS CHRISTI SHIP CHANNEL

Date	Organism	Station: Channel Station: 5+00			C-2 100+00			C-3 210+00		
		Liquid Phase	Suspended Particulate Phase	Solid Phase	Liquid Phase	Suspended Particulate Phase	Solid Phase	Liquid Phase	Suspended Particulate Phase	Solid Phase
1980*	<i>Cyprinodon variegatus</i>	100	80		100	93		90	70	
	<i>Mysidopsis bahia</i>	93	87		100	97		80	90	
	<i>Palaemonetes pugio</i>	97	100	100	100	93	98	100	93	99
	<i>Mercenaria mercenaria</i>			100			99			100
	<i>Neris virens</i>			100			100			99
1985**	<i>Cyprinodon variegatus</i>	--	100		87	97		100	100	
	<i>Mysidopsis bahia</i>	--	93		100	97		90	97	
	<i>Palaemonetes pugio</i>	--	97	--	100	100	92	100	93	91
	<i>Mercenaria mercenaria</i>			--			97			99
	<i>Neris virens</i>			--			80			90
1995***	<i>Ampelisca abdita</i>	N/A	N/A	86	N/A	N/A	89	N/A	N/A	85
	<i>Palaemonetes pugio</i>	N/A	N/A	99	N/A	N/A	98	N/A	N/A	100
	<i>Neris virens</i>	N/A	N/A	99	N/A	N/A	100	N/A	N/A	100

* SWRI (1980)

** EH&A (1985)

*** EH&A (1995)

-- Insufficient sample was collected from Station C-1 for LP and SPP bioassays.

N/A - Not Applicable, LP and SPP bioassays not included in Scope of Work,

TABLE 3.2-3
DETECTED PARAMETERS IN THE HISTORIC DATA
LOWER BAY
CORPUS CHRISTI SHIP CHANNEL

Parameter	ERL	Liquid Media Unit	Solid Media Unit	Texas Acute Marine Water Quality Standard	Station: CC-HL-88-01A Date: 12/8/1988 Channel Station: -36+00		Station: CC-HL-88-02A Date: 12/8/1988 Channel Station: -36+00		Station: CC-HL-88-03A Date: 12/8/1988 Channel Station: -32+00	
					Water	Elutriate Sediment	Water	Elutriate Sediment	Water	Elutriate Sediment
Sand		%			81.3	97			96.2	
Silt		%			4.6	1.5			1.9	
Clay		%			14.1	1.5			1.9	
D50		mm			0.13	0.14			0.18	
Oil & Grease	No ERL	mg/L		N/A	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0
As	8.2	ug/L		149	<2.0	<2.0	<2.0	<2.0	<2.0	<0.1
Ba	No ERL	ug/L		N/A	<10.0	<10.0	<10.0	<10.0	<10.0	<1.00
Cd	1.2	ug/L		45.62	<1.0	<1.0	<1.0	<1.0	<1.0	<1.00
Cr	81	ug/L		N/A	<5.0	<5.0	<5.0	<5.0	<5.0	<1.00
Cu	34	ug/L		13.5	<0.2	<0.2	<0.2	<0.2	<0.2	<0.1
Pb	46.7	ug/L		133	<5.0	<5.0	<5.0	<5.0	<5.0	<1.00
Hg	0.15	ug/L		2.1	<5.0	<5.0	<5.0	<5.0	<5.0	<1.00
Ni	20.9	ug/L		118	<2.0	<2.0	<2.0	<2.0	<2.0	<0.1
Ag	1	ug/L		2	<5.0	<5.0	<5.0	<5.0	<5.0	<1.00
Se	No ERL	ug/L		564	<2.0	<2.0	<2.0	<2.0	<2.0	<0.5
Zn	150	ug/L		92.7	<5.0	<5.0	<5.0	<5.0	<5.0	2.7
TOC	No ERL	mg/L		N/A	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
Total PCB	22.7	ug/L		10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.2
DDT	1.58	ug/L		0.13	<0.02	<0.02	<0.02	<0.02	<0.02	<0.2
Chlordane	0.5	ug/L		0.09	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2
Toxaphene	No ERL	ug/L		0.21	<2.0	<2.0	<2.0	<2.0	<2.0	<0.5
Total PAH	4,022	ug/L		N/A	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Naphthalene	160	ug/L		N/A	<2.0	<2.0	<2.0	<2.0	<2.0	<50.0
Acenaphthene	16	ug/L		N/A	<2.0	<2.0	<2.0	<2.0	<2.0	<50.0
Fluoranthene	600	ug/L		N/A	<0.5	<0.5	<0.5	<0.5	<0.5	<10.0
Benzo(a)pyrene	430	ug/L		N/A	<0.5	<0.5	<0.5	<0.5	<0.5	<10.0
Benzo(e)pyrene	No ERL	ug/L		N/A	<0.5	<0.5	<0.5	<0.5	<0.5	<10.0
Aldrin	No ERL	ug/L		1.3						
Dieldrin	0.02	ug/L		0.71						
Heptachlor	No ERL	ug/L		0.053						
Hexachlorocyclohexane	No ERL	ug/L		0.16						
Ammonia	No ERL	mg/L		N/A						

Source: USACE Database.

TABLE 3.2-3 (Concluded)
 DETECTED PARAMETERS IN THE HISTORIC DATA
 LOWER BAY
 CORPUS CHRISTI SHIP CHANNEL

Parameter	ERL	Liquid Media Unit	Solid Media Unit	Texas Acute Marine Water Quality Standard	Station: CC-HL-91-07 Date: 9/19/1991 Channel Station: 300+00		Station: CC-HL-91-08 Date: 9/19/1991 Channel Station: 350+00		Station: CC-HL-91-09 Date: 9/19/1991 Channel Station: 400+00	
					Water	Elutriate Sediment	Water	Elutriate Sediment	Water	Elutriate Sediment
Sand		%				93.2				72.2
Silt		%				6.3				15.5
Clay		%				0.5				12.3
D50		mm				0.43				0.19
Oil & Grease	No ERL	mg/L		N/A		<2.0	<2.0	<2.0	<2.0	<1.0
As	6.2	ug/L		149		<2.0	<2.0	<2.0	<2.0	<1.0
Ba	No ERL	ug/L		N/A		<2.0	<2.0	<2.0	<2.0	0.70
Cd	1.2	ug/L		45.62		<10.0	<10.0	<10.0	<10.0	2.60
Cr	81	ug/L		N/A		<1.0	<1.0	<1.0	<1.0	1.80
Cu	34	ug/L		13.5		<5.0	<5.0	<5.0	<5.0	<1.00
Pb	46.7	ug/L		133		<0.2	<0.2	<0.2	<0.2	<0.1
Hg	0.15	ug/L		2.1		<5.0	<5.0	<5.0	<5.0	<0.1
Ni	20.9	ug/L		118		<2.0	<2.0	<2.0	<2.0	<0.1
Ag	1	ug/L		2		<5.0	<5.0	<5.0	<5.0	1.90
Se	No ERL	ug/L		564		<2.0	<2.0	<2.0	<2.0	<0.5
Zn	150	ug/L		92.7		<5.0	<5.0	<5.0	<5.0	7.6
TOC	No ERL	mg/L		N/A		17.70	16.60	13.20	11.40	<100
Total PCB	22.7	ug/L		10		<0.5	<0.5	<0.5	<0.5	<5.0
DDT	1.58	ug/L		0.13		<0.02	<0.02	<0.02	<0.02	<0.2
Chlordane	0.5	ug/L		0.09		<0.02	<0.02	<0.02	<0.02	<0.2
Toxaphene	No ERL	ug/L		0.21		<0.5	<0.5	<0.5	<0.5	<5.0
Total PAH	4,022	ug/L		N/A		<5.0	<5.0	<5.0	<5.0	<5.0
Naphthalene	160	ug/L		N/A		<2.0	<2.0	<2.0	<2.0	<50.0
Acenaphthene	16	ug/L		N/A		<2.0	<2.0	<2.0	<2.0	<50.0
Fluoranthene	600	ug/L		N/A		<0.5	<0.5	<0.5	<0.5	<10.0
Benzo(a)pyrene	430	ug/L		N/A		<0.5	<0.5	<0.5	<0.5	<10.0
Benzo(e)pyrene	No ERL	ug/L		N/A		<0.5	<0.5	<0.5	<0.5	<10.0
Aldrin	No ERL	ug/L		1.3						
Dieldrin	0.02	ug/L		0.71						
Heptachlor	No ERL	ug/L		0.053						
Hexachlorocyclohexane	No ERL	ug/L		0.16						
Ammonia	No ERL	mg/L		N/A						

TABLE 3.2-4
DETECTED PARAMETERS IN CONSTRUCTION SEDIMENTS
LOWER BAY
CORPUS CHRISTI SHIP CHANNEL

Parameter	ERL	Liquid Media Unit	Solid Media Unit	Channel Station:	Station: 1		Station: 3		Station: 4		Station: 5		Station: 6			
					Water	Elutriate Sediment	Water	Elutriate Sediment	Water	Elutriate Sediment	Water	Elutriate Sediment	Water	Elutriate Sediment	Water	Elutriate Sediment
Oil & Grease	No ERL	ug/L	mg/kg	N/A	<0.2	11	26	<0.2	15	<14	0.2	13.0	18	0.4	12.0	17
As	8.2	ug/L	mg/kg	149	1	<1	52.4	1	1	64.4	<1	1	11.9	<1	<1	11.3
Cd	1.2	ug/L	mg/kg	45.62	2	<1	0.23	3	1.21	0.33	<1	6	0.33	<1	<1	4.14
Cr	81	ug/L	mg/kg	N/A	<10	<10	<6.3	<10	6.31	<0.5	<10	<10	<0.5	<10	<10	<0.5
Cu	34	ug/L	mg/kg	13.5	<1	1	6.24	2	3	8.34	2	<2	1.88	1	3	1.39
Pb	46.7	ug/L	mg/kg	133	<1	<2	6.8	2	3	9.59	2	<2	9.72	2	5	3.17
Hg	0.15	ug/L	mg/kg	2.1	<0.2	<0.2	0.087	0.3	<0.2	0.056	0.4	<0.2	0.153	<0.2	<0.2	0.066
Ni	20.9	ug/L	mg/kg	118	7	4	53.6	6	8	64.4	12	6	12.7	6	10	12.3
Zn	150	ug/L	mg/kg	92.7	10	6	25.7	8	8	36.3	9	9	10.6	13	8	11.2
TOC	No ERL	mg/L	mg/kg	N/A	4.5	212	15,000	5.2	86	14,000	3.1	133	500	1.9	83	11,000
Total Phenols	No ERL	ug/L	ug/kg	10	<50	<50	0.17	<50	<50	0.1	50	<50	0.34	<50	<50	<0.09

Parameter	ERL	Liquid Media Unit	Solid Media Unit	Channel Station:	Station: 7		Station: 8		Station: 9		Station: 10					
					Water	Elutriate Sediment	Water	Elutriate Sediment	Water	Elutriate Sediment	Water	Elutriate Sediment				
Oil & Grease	No ERL	mg/L	mg/kg	N/A	<0.2	10.0	11	0.4	10.0	29	4.0	40	<0.2	3.0	14	
As	8.2	ug/L	mg/kg	149	<1	2	32.9	<1	<1	43.4	4	7.32	<1	<1	27.9	
Cd	1.2	ug/L	mg/kg	45.62	<1	<1	2.36	<1	<1	1.11	<13	0.75	<1	2	1.13	
Cr	81	ug/L	mg/kg	N/A	20	<10	5.01	<10	<10	9	20	<10	<0.5	<10	<2.5	
Cu	34	ug/L	mg/kg	13.5	2	2	2.84	<1	<3	6.86	<1	<4	1.9	<1	3.68	
Pb	46.7	ug/L	mg/kg	133	1	<3	3.37	<1	<2	4.49	<1	<1	3.61	<1	4.19	
Hg	0.15	ug/L	mg/kg	2.1	<0.2	<0.2	0.084	1.3	<0.2	0.157	<0.2	<0.2	0.067	<0.2	<0.009	
Ni	20.9	ug/L	mg/kg	118	12	8	30.1	2	6	4.89	2	6	15.3	4	7	26.4
Zn	150	ug/L	mg/kg	92.7	9	9	16.5	9	18	26.3	4	6	7.21	8	19	18.2
TOC	No ERL	mg/L	mg/kg	N/A	3.5	313	6,000	2.4	84	9,000	2.8	36	3,000	2.4	103	4,000
Total Phenols	No ERL	ug/L	ug/kg	10	<50	<50	0.09	<50	<50	0.11	<50	<50	0.21	<50	<50	0.12

Source: U.S. Navy, 1986.
* Approximate

TABLE 3.2-5

SUMMARY OF BIOASSAY DATA FOR MAINTENANCE MATERIAL (% Survival)
 LOWER BAY
 CORPUS CHRISTI SHIP CHANNEL

Date	Organism	Station: Channel Station: IB-1 80+00		IB-2 300+00		IB-3 510+00	
		Liquid Phase	Suspended Particulate Phase	Liquid Phase	Suspended Particulate Phase	Liquid Phase	Suspended Particulate Phase
1981	<i>Menidia beryllina</i>	93	97	97	97	97	93
	<i>Mysidopsis almyra</i>	57	93	97	87	73	73
	<i>Palaemonetes pugio</i>	100	97	97	90	93	97
	<i>Mercenaria mercenaria</i>		95		97		96
	<i>Neris virens</i>		100		99		100
			84		86		87

Source: Tereco, 1981.

TABLE 3.2-6
 DETECTED PARAMETERS IN THE HISTORIC DATA
 LA QUINTA
 CORPUS CHRISTI SHIP CHANNEL

Parameter	ERL	Liquid Media Unit	Solid Media Unit	Station: Date: Channel Station:	CC-L-85-01 4/23/1985 50+00		CC-L-85-02 4/23/1985 100+00		CC-L-85-03 4/23/1985 150+00		CC-L-85-04 4/23/1985 200+00		CC-L-85-05 4/23/1985 250+00		CC-L-85-06 4/23/1985 300+00	
					Water	Elutriate	Sediment	Water	Elutriate	Sediment	Water	Elutriate	Sediment	Water	Elutriate	Sediment
Sand		%				1.22										
Silt		%				82.75										
Clay		%				16.03										
D50		mm				0.011										
Oil & Grease	No ERL	mg/L				2.8	1.6	17.2	136.0	1.8	18.4	243.0	1.6	20.2	16.6	120.0
As	8.2	ug/L		N/A		6.0	5.0	5.0	12.0	6.0	7.0	15.0	8.0	12.0	7.0	15.0
Ba	No ERL	ug/L		N/A												
Cd	1.2	ug/L		45.62		<2.00	<2.00	<2.00	<0.50	<2.00	<2.00	<0.50	<2.00	<2.00	<2.00	<0.50
Cr	81	ug/L		N/A		<10.00	<10.00	<10.00	<5.00	<10.00	<10.00	7.90	<10.00	<10.00	<10.00	5.90
Cu	34	ug/L		13.5		<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00
Pb	46.7	ug/L		133		<10.00	<10.00	<10.00	6.00	<10.00	<10.00	<5.00	<10.00	<10.00	<10.00	<5.00
Hg	0.15	ug/L		2.1		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Ni	20.9	ug/L		118		<20.00	<20.00	<20.00	<5.00	<20.00	<20.00	5.80	<20.00	<20.00	<20.00	5.30
Ag	1	ug/L		2												
Se	No ERL	ug/L		564												
Zn	150	ug/L		92.7												
TOC	No ERL	mg/L		N/A		<20.00	<20.00	<20.00	7.6	<20.00	<20.00	29.0	<20.00	<20.00	<20.00	26.1
Total PCB	22.7	ug/L		10		<0.50	<0.50	<0.50	<10.00	<0.50	<0.50	<10.00	<0.50	<0.50	<10.00	<10.00
DDT	1.58	ug/L		0.13		<0.02	<0.02	<0.02	<0.50	<0.02	<0.02	<0.50	<0.02	<0.02	<0.50	<0.50
Chlordane	0.5	ug/L		0.09		<0.05	<0.05	<0.05	<1.00	<0.05	<0.05	<1.00	<0.05	<0.05	<1.00	<1.00
Toxaphene	No ERL	ug/L		0.21		<0.50	<0.50	<0.50	<10.00	<0.50	<0.50	<10.00	<0.50	<0.50	<10.00	<10.00
Total PAH	4.022	ug/L		N/A												
Naphthalene	160	ug/L		N/A												
Acenaphthene	16	ug/L		N/A												
Fluoranthene	600	ug/L		N/A												
Benzo(a)pyrene	430	ug/L		N/A												
Benzo(e)pyrene	No ERL	ug/L		N/A												
Ammonia	No ERL	mg/L		N/A												
						117.00	120.00	87.0	87.0	96.00	60.0	60.0	99.00	87.00	64.0	70.0

Source: USACE Database.

TABLE 3.2-6 (Cont'd)

DETECTED PARAMETERS IN THE HISTORIC DATA
LA QUINTA
CORPUS CHRISTI SHIP CHANNEL

Parameter	Station: Date: Channel Station:		CC-L-90-01 12/20/1990 50+00		CC-L-90-02 12/20/1990 100+00		CC-L-90-03 12/20/1990 150+00		CC-L-90-04 12/20/1990 200+00		CC-L-90-05 12/20/1990 250+00		CC-L-90-06 12/20/1990 300+00		
	ERL	Liquid Media Unit	Solid Media Unit	Water	Elutriate	Sediment	Water	Elutriate	Sediment	Water	Elutriate	Sediment	Water	Elutriate	Sediment
Sand		%			7.1	4.9	4.7	37	4.8	4.6					
Silt		%			72.6	76.2	71.7	51.4	79.4	72.3					
Clay		%			20.3	18.9	23.6	11.6	15.8	23.1					
D50		mm			0.031	0.051	0.056	0.061	0.053	0.026					
Oil & Grease	No ERL	mg/L	N/A	<2.0	<2.0	<1.0	<2.0	<1.0	<2.0	<2.0	<1.0	<2.0	<2.0	<2.0	<1.0
As	8.2	ug/L	mg/kg	<2.0	<2.0	<0.10	<2.0	<0.10	<2.0	<2.0	<0.10	<2.0	<2.0	<2.0	<0.10
Ba	No ERL	ug/L	mg/kg	<10.0	<10.0	3.30	<10.0	3.30	<10.0	<10.0	4.50	<10.0	<10.0	<10.0	5.40
Cd	1.2	ug/L	mg/kg	45.62	45.62	3.10	4.2	3.60	2.5	3.2	3.10	2.1	3.5	3.50	3.70
Cr	81	ug/L	mg/kg	N/A	N/A	13.5	3.7	3.70	2.3	4.2	3.60	2.5	3.2	3.10	2.1
Cu	34	ug/L	mg/kg	13.5	13.5	3.3	5.9	3.10	1.4	5.0	<1.0	<5.0	<5.0	<5.0	<5.0
Pb	46.7	ug/L	mg/kg	133	133	46.7	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
Hg	0.15	ug/L	mg/kg	2.1	2.1	0.15	<0.2	<0.2	<0.1	<0.2	<0.1	<0.2	<0.2	<0.2	<0.1
Ni	20.9	ug/L	mg/kg	118	118	20.9	1	1	1	1	1	1	1	1	1
Ag	1	ug/L	mg/kg	2	2	1	1	1	1	1	1	1	1	1	1
Se	No ERL	ug/L	mg/kg	564	564	150	<2.0	<2.0	<0.5	<2.0	<0.5	<2.0	<2.0	<2.0	<0.5
Zn	150	ug/L	mg/kg	92.7	92.7	150	<5.0	<5.0	17.3	<5.0	14.2	<5.0	<5.0	<5.0	22.3
TOC	No ERL	mg/L	mg/kg	N/A	N/A	14.90	1.10	11.70	<100	1.10	14.50	<100	9.30	<100	<100
Total PCB	22.7	ug/L	ug/kg	10	10	22.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
DDT	1.58	ug/L	ug/kg	0.13	0.13	1.58	<0.02	<0.02	<0.2	<0.02	<0.2	<0.02	<0.02	<0.02	<0.2
Chlordane	0.5	ug/L	ug/kg	0.09	0.09	0.5	<0.02	<0.02	<0.2	<0.02	<0.2	<0.02	<0.02	<0.02	<0.2
Toxaphene	No ERL	ug/L	ug/kg	0.21	0.21	No ERL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Total PAH	4.022	ug/L	mg/kg	N/A	N/A	4.022	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Naphthalene	160	ug/L	ug/kg	N/A	N/A	160	<2.0	<2.0	<50.0	<2.0	<50.0	<2.0	<2.0	<2.0	<50.0
Acenaphthene	16	ug/L	ug/kg	N/A	N/A	16	<2.0	<2.0	<50.0	<2.0	<50.0	<2.0	<2.0	<2.0	<50.0
Fluoranthene	600	ug/L	ug/kg	N/A	N/A	600	<0.5	<0.5	<10.0	<0.5	<10.0	<0.5	<0.5	<0.5	<10.0
Benzo(a)pyrene	430	ug/L	ug/kg	N/A	N/A	430	<0.5	<0.5	<10.0	<0.5	<10.0	<0.5	<0.5	<0.5	<10.0
Benzo(e)pyrene	No ERL	ug/L	ug/kg	N/A	N/A	No ERL	<0.5	<0.5	<10.0	<0.5	<10.0	<0.5	<0.5	<0.5	<10.0
Ammonia	No ERL	mg/L	mg/kg	N/A	N/A	No ERL	<2.0	<2.0	<0.5	<2.0	<0.5	<2.0	<2.0	<2.0	<0.5

TABLE 3.2-6 (Concluded)
 DETECTED PARAMETERS IN THE HISTORIC DATA
 LA QUINTA
 CORPUS CHRISTI SHIP CHANNEL

Parameter	ERL	Liquid Media Unit	Solid Media Unit	Texas Acute Marine Water Quality Standard	Station: Date: Channel Station:		CC-L-00-01 5/25/2000 50+00		CC-L-00-02 5/25/2000 100+00		CC-L-00-03 5/25/2000 150+00		CC-L-00-04 5/25/2000 200+00		CC-L-00-05 5/25/2000 250+00		CC-L-00-06 5/25/2000 300+00		
					Water	Elutriate	Sediment	Water	Elutriate	Sediment	Water	Elutriate	Sediment	Water	Elutriate	Sediment	Water	Elutriate	Sediment
Sand		%				80.7		91.9		79.0		95.4		80.7		47.5			
Silt		%				2.6		3.1		17.1		2.2		11.5		29.1			
Clay		%				16.7		5.0		3.9		2.4		7.8		23.4			
D50		mm				0.095		0.122		0.094		0.132		0.093		0.066			
Oil & Grease	No ERL	mg/L		N/A															
As	8.2	ug/L		149		1.72		0.89		0.92		1.09		<1.00		1.68		<1.00	
Ba	No ERL	ug/L		N/A		30.9		21.6		17.5		3.73		61.3		51.8		61.8	
Cd	1.2	ug/L		45.62		<0.10		<0.10		<0.10		<0.10		0.30		0.20		<0.10	
Cr	81	ug/L		N/A		11.3		0.45		0.59		0.41		<1.00		0.46		<1.00	
Cu	34	ug/L		13.5		1.37		0.50		0.93		0.40		<1.00		0.77		<1.00	
Pb	46.7	ug/L		133		6.32		2.99		3.83		3.33		<1.00		4.11		<1.00	
Hg	0.15	ug/L		2.1		<0.20		<0.20		<0.20		<0.20		<0.20		<0.20		<0.20	
Ni	20.9	ug/L		118		1.12		0.51		0.60		0.61		<1.00		0.55		<1.00	
Ag	1	ug/L		2		<0.10		<0.10		<0.10		<0.10		<1.00		<0.10		<1.00	
Se	No ERL	ug/L		564		2.87		2.24		1.37		4.41		1.88		3.16		<1.00	
Zn	150	ug/L		92.7		11.4		3.90		13.8		8.60		23.2		13.7		12.8	
TOC	No ERL	mg/L		N/A		6850		<1.00		<1.00		<1.00		<1.00		4480		<1.00	
Total PCB	22.7	ug/L		10		<0.01		<0.01		<0.01		<0.01		<0.01		<0.01		<0.01	
DDT	1.58	ug/L		0.13		<0.10		<0.10		<0.10		<0.10		<0.10		<0.10		<0.10	
Chlordane	0.5	ug/L		0.09		<0.14		<0.14		<0.14		<0.14		<0.14		<0.14		<0.14	
Toxaphene	No ERL	ug/L		0.21		<0.50		<0.50		<0.50		<0.50		<0.50		<0.50		<0.50	
Total PAH	4,022	ug/L		N/A		<5.00		<5.00		<5.00		<5.00		<5.00		<5.00		<5.00	
Naphthalene	160	ug/L		N/A		<2.00		<2.00		<2.00		<2.00		<2.00		<2.00		<2.00	
Acenaphthene	16	ug/L		N/A		<2.00		<2.00		<2.00		<2.00		<2.00		<2.00		<2.00	
Fluoranthene	600	ug/L		N/A		<0.50		<0.50		<0.50		<0.50		<0.50		<0.50		<0.50	
Benzo(a)pyrene	430	ug/L		N/A		<0.50		<0.50		<0.50		<0.50		<0.50		<0.50		<0.50	
Benzo(e)pyrene	No ERL	ug/L		N/A		<0.50		<0.50		<0.50		<0.50		<0.50		<0.50		<0.50	

Source: USACE Database, 2000.

TABLE 3.2-7

SUMMARY OF BIOASSAY DATA FOR MAINTENANCE MATERIAL (% Survival)
 LA QUINTA CHANNEL
 CORPUS CHRISTI SHIP CHANNEL

Date	Organism	Station: Channel Station:		LQ-1 65+00		LQ-2 150+00		LQ-3 280+00	
		Liquid Phase	Suspended Particulate Phase	Liquid Phase	Suspended Particulate Phase	Liquid Phase	Suspended Particulate Phase		
1981	<i>Menidia beryllina</i>	60	97	93	97	87	90		
	<i>Mysidopsis almyra</i>	67	83	73	77	87	80		
	<i>Palaemonetes pugio</i>	90	67	93	97	97	97		

Source: Tereco, 1982c.

TABLE 3.2-8
DETECTED PARAMETERS IN THE HISTORIC DATA
UPPER BAY
CORPUS CHRISTI SHIP CHANNEL

Parameter	ERL	Media Unit	Media Unit	Station: Date: Channel Station:	CC-B-81-01 7/23/81 550+00		CC-B-81-02 7/23/81 600+00		CC-B-81-03 7/23/81 650+00		CC-B-81-04 7/23/81 700+00		CC-B-81-05 7/23/81 750+00		CC-B-81-06 7/23/81 800+00			
					Water	Elutriate	Sediment	Water	Elutriate	Sediment	Water	Elutriate	Sediment	Water	Elutriate	Sediment	Water	Elutriate
Sand		%			2.10	<1.00	7.800	1.50	<1.00	1.900	<1.00	7.100	<1.00	2.800	<1.00	9.000	<1.00	7.500
Silt		%			<2.0	<2.0	<1.0	<2.0	<1.0	<1.0	<2.0	<2.0	<1.0	<2.0	<2.0	<1.0	<2.0	<1.0
Clay		%			<2.0	<2.0	<0.5	<2.0	<0.5	<0.5	<2.0	<0.5	<0.5	<2.0	<0.5	<0.5	<2.0	<0.5
D50		mm			<10.0	<10.0	8.3	1.2	<1.0	8.6	<10.0	8.5	<10.0	10.0	<10.0	8.5	<10.0	10.1
Oil & Grease	No ERL	mg/L			<10.0	<10.0	6.5	1.3	<1.0	6.5	<10.0	6.8	<10.0	6.5	<10.0	6.0	<10.0	5.5
As	8.2	mg/kg			<10.0	<10.0	22.0	<10.0	<10.0	27.0	<10.0	22.0	<10.0	24.0	<10.0	17.0	<10.0	25.0
Ba	No ERL	mg/kg			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cd	1.2	ug/L			<20.0	<20.0	7.0	<20.0	<20.0	8.0	<20.0	6.0	<20.0	6.0	<20.0	6.0	<20.0	8.0
Cr	81	ug/L			<20.0	<20.0	52.0	<20.0	<20.0	58.0	<20.0	58.2	<20.0	62.0	<20.0	60.0	<20.0	61.6
Cu	34	ug/L			<0.5	<0.5	<10.0	<0.5	<0.5	<10.0	<0.5	<10.0	<0.5	<10.0	<0.5	<10.0	<0.5	<10.0
Pb	46.7	ug/L			<0.05	<0.05	<1.0	<0.05	<0.05	<1.0	<0.05	<1.0	<0.05	<1.0	<0.05	<1.0	<0.05	<1.0
Hg	0.15	ug/L			<0.5	<0.5	<10.0	<0.5	<0.5	<10.0	<0.5	<10.0	<0.5	<10.0	<0.5	<10.0	<0.5	<10.0
Ni	20.9	ug/L			<0.02	<0.02	<0.2	<0.02	<0.02	<0.2	<0.02	<0.2	<0.02	<0.2	<0.02	<0.2	<0.02	<0.2
Ag	1	ug/L			<0.02	<0.02	<0.5	<0.02	<0.02	<0.5	<0.02	<0.5	<0.02	<0.5	<0.02	<0.5	<0.02	<0.5
Se	150	ug/L			<0.05	<0.05	<1.0	<0.05	<0.05	<1.0	<0.05	<1.0	<0.05	<1.0	<0.05	<1.0	<0.05	<1.0
Zn	No ERL	mg/kg			<0.5	<0.5	<10.0	<0.5	<0.5	<10.0	<0.5	<10.0	<0.5	<10.0	<0.5	<10.0	<0.5	<10.0
TOC	22.7	ug/L			<0.02	<0.02	<0.5	<0.02	<0.02	<0.5	<0.02	<0.5	<0.02	<0.5	<0.02	<0.5	<0.02	<0.5
Total PCB	1.58	ug/L			<0.05	<0.05	<1.0	<0.05	<0.05	<1.0	<0.05	<1.0	<0.05	<1.0	<0.05	<1.0	<0.05	<1.0
DDT	0.5	ug/L			<0.02	<0.02	<0.5	<0.02	<0.02	<0.5	<0.02	<0.5	<0.02	<0.5	<0.02	<0.5	<0.02	<0.5
Chlordane	No ERL	ug/L			<0.02	<0.02	<0.5	<0.02	<0.02	<0.5	<0.02	<0.5	<0.02	<0.5	<0.02	<0.5	<0.02	<0.5
Toxaphene	No ERL	ug/L			<0.02	<0.02	<0.5	<0.02	<0.02	<0.5	<0.02	<0.5	<0.02	<0.5	<0.02	<0.5	<0.02	<0.5
Total PAH	4.022	ug/L			<0.02	<0.02	<0.5	<0.02	<0.02	<0.5	<0.02	<0.5	<0.02	<0.5	<0.02	<0.5	<0.02	<0.5
Naphthalene	160	ug/L			<0.02	<0.02	<0.5	<0.02	<0.02	<0.5	<0.02	<0.5	<0.02	<0.5	<0.02	<0.5	<0.02	<0.5
Acenaphthene	16	ug/L			<0.02	<0.02	<0.5	<0.02	<0.02	<0.5	<0.02	<0.5	<0.02	<0.5	<0.02	<0.5	<0.02	<0.5
Fluoranthene	600	ug/L			<0.02	<0.02	<0.5	<0.02	<0.02	<0.5	<0.02	<0.5	<0.02	<0.5	<0.02	<0.5	<0.02	<0.5
Benzo(a)pyrene	430	ug/L			<0.02	<0.02	<0.5	<0.02	<0.02	<0.5	<0.02	<0.5	<0.02	<0.5	<0.02	<0.5	<0.02	<0.5
Benzo(e)pyrene	No ERL	ug/L			<0.02	<0.02	<0.5	<0.02	<0.02	<0.5	<0.02	<0.5	<0.02	<0.5	<0.02	<0.5	<0.02	<0.5
Aldrin	No ERL	ug/L			<0.02	<0.02	<0.5	<0.02	<0.02	<0.5	<0.02	<0.5	<0.02	<0.5	<0.02	<0.5	<0.02	<0.5
Dieldrin	0.02	ug/L			<0.02	<0.02	<0.5	<0.02	<0.02	<0.5	<0.02	<0.5	<0.02	<0.5	<0.02	<0.5	<0.02	<0.5
Heptachlor	No ERL	ug/L			<0.02	<0.02	<0.5	<0.02	<0.02	<0.5	<0.02	<0.5	<0.02	<0.5	<0.02	<0.5	<0.02	<0.5
Hexachlorocyclohexane	No ERL	ug/L			<0.02	<0.02	<0.5	<0.02	<0.02	<0.5	<0.02	<0.5	<0.02	<0.5	<0.02	<0.5	<0.02	<0.5
Ammonia	No ERL	mg/L			1.30	1.72	1,590.0	1.02	1.20	400.0	1.64	800.0	1.72	530.0	1.80	1,200.0	1.72	800.0

Source: USACE Database.

TABLE 3.2-8 (Cont'd)
 DETECTED PARAMETERS IN THE HISTORIC DATA
 UPPER BAY
 CORPUS CHRISTI SHIP CHANNEL

Parameter	ERL	Liquid Media Unit	Solid Media Unit	Station: Date: Channel Station:	CC-B-81-07 7/23/81 850+00		CC-B-81-08 7/23/81 900+00		CC-B-81-09 7/23/81 950+00		CC-B-81-10 7/23/81 1000+00		CC-B-81-11 7/23/81 1050+00		CC-B-83-11 1/12/83 1050+00			
					Water	Elutriate	Sediment	Water	Elutriate	Sediment	Water	Elutriate	Sediment	Water	Elutriate	Sediment	Water	Elutriate
Sand		%	%		<1.00	<1.00	7.900	<1.00	7.100	<1.00	330	<1.00	6.000	<1.00	1.800	<1.00	0.88	
Silt		%	%		<2.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<2.0	<2.0	<1.0	<2.0	74.54	
Clay		%	%		<2.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<2.0	<2.0	<1.0	<2.0	24.58	
D50		mm	mm		<2.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<2.0	<2.0	<1.0	<2.0	0.006	
Oil & Grease	No ERL	mg/L	mg/kg	N/A	2.00	<1.00	7.900	<1.00	7.100	6.30	<1.00	330	<1.00	6.000	<1.00	1.800	<1.00	1.2
As	8.2	ug/L	mg/kg	149	<2.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<2.0	<2.0	<1.0	<2.0	<2.0	12.0
Ba	No ERL	ug/L	mg/kg	N/A	<2.0	<2.0	<0.5	<2.0	<0.5	<2.0	<0.5	<2.0	<2.0	<2.0	<0.5	<2.0	<2.0	<2.0
Cd	1.2	ug/L	mg/kg	45.62	<10.0	<10.0	6.5	<10.0	8.1	<10.0	9.0	<10.0	8.4	<10.0	9.5	<10.0	<10.0	<10.0
Cr	81	ug/L	mg/kg	N/A	1.2	<1.0	5.0	<1.0	5.5	<1.0	5.6	<1.0	5.7	<1.0	6.4	<1.0	<1.0	<1.0
Cu	34	ug/L	mg/kg	13.5	<10.0	<10.0	20.0	<10.0	21.0	<10.0	23.0	<10.0	24.0	<10.0	26.0	<10.0	<10.0	<10.0
Pb	46.7	ug/L	mg/kg	133	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Hg	0.15	ug/L	mg/kg	2.1	<20.0	<20.0	5.0	<20.0	9.0	<20.0	9.0	<20.0	5	<20.0	5.0	<20.0	<20.0	<20.0
Ni	20.9	ug/L	mg/kg	118														
Ag	1	ug/L	mg/kg	2														
Se	No ERL	ug/L	mg/kg	564	<20.0	<20.0	52.7	<20.0	57.5	<20.0	64.8	<20.0	65.3	<20.0	68.2	<20.0	<20.0	57.35
Zn	150	ug/L	mg/kg	92.7	<0.5	<0.5	<10.0	<0.5	<10.0	<0.5	<10.0	<0.5	<10.0	<0.5	<10.0	<0.5	<10.0	<10.00
TOC	No ERL	ug/L	mg/kg	N/A	<0.05	<0.05	<1.0	<0.05	<1.0	<0.05	<1.0	<0.05	<1.0	<0.05	<1.0	<0.05	<1.00	<0.50
Total PCB	22.7	ug/L	ug/kg	10	<0.05	<0.05	<1.0	<0.05	<1.0	<0.05	<1.0	<0.05	<1.0	<0.05	<1.0	<0.05	<1.00	<1.00
DDT	1.58	ug/L	ug/kg	0.13	<0.5	<0.5	<10.0	<0.5	<10.0	<0.5	<10.0	<0.5	<10.0	<0.5	<10.0	<0.5	<10.0	<10.00
Chlordane	0.5	ug/L	ug/kg	0.09	<0.05	<0.05	<1.0	<0.05	<1.0	<0.05	<1.0	<0.05	<1.0	<0.05	<1.0	<0.05	<1.00	<0.50
Toxaphene	No ERL	ug/L	ug/kg	0.21	<0.5	<0.5	<10.0	<0.5	<10.0	<0.5	<10.0	<0.5	<10.0	<0.5	<10.0	<0.5	<10.0	<10.00
Total PAH	4.022	ug/L	mg/kg	N/A	1.80	1.86	1.060.0	1.77	1.77	1.64	1.90	430.0	1.63	1.80	200.0	1.65	4.00	30.19
Naphthalene	160	ug/L	ug/kg	N/A	<0.02	<0.02	<0.2	<0.02	<0.2	<0.02	<0.2	0.6	<0.02	<0.2	<0.2	<0.02	<0.02	<0.2
Acenaphthene	16	ug/L	ug/kg	N/A	<0.02	<0.02	<0.5	<0.02	<0.5	<0.02	<0.5	<0.5	<0.02	<0.5	<0.5	<0.02	<0.02	<0.5
Fluoranthene	600	ug/L	ug/kg	N/A	<0.02	<0.02	<0.5	<0.02	<0.5	<0.02	<0.5	<0.5	<0.02	<0.5	<0.5	<0.02	<0.02	<0.5
Benzo(a)pyrene	430	ug/L	ug/kg	N/A	<0.02	<0.02	<0.5	<0.02	<0.5	<0.02	<0.5	<0.5	<0.02	<0.5	<0.5	<0.02	<0.02	<0.5
Benzo(e)pyrene	No ERL	ug/L	ug/kg	N/A	1.80	1.86	1.060.0	1.77	1.77	1.64	1.90	430.0	1.63	1.80	200.0	1.65	4.00	30.19
Aldrin	No ERL	ug/L	ug/kg	1.3	<0.02	<0.02	<0.2	<0.02	<0.2	<0.02	<0.2	0.6	<0.02	<0.2	<0.2	<0.02	<0.02	<0.2
Dieldrin	0.02	ug/L	ug/kg	0.71	<0.02	<0.02	<0.5	<0.02	<0.5	<0.02	<0.5	<0.5	<0.02	<0.5	<0.5	<0.02	<0.02	<0.5
Heptachlor	No ERL	ug/L	ug/kg	0.053	<0.02	<0.02	<0.5	<0.02	<0.5	<0.02	<0.5	<0.5	<0.02	<0.5	<0.5	<0.02	<0.02	<0.5
Hexachlorocyclohexane	No ERL	ug/L	ug/kg	0.16	<0.02	<0.02	<0.5	<0.02	<0.5	<0.02	<0.5	<0.5	<0.02	<0.5	<0.5	<0.02	<0.02	<0.5
Ammonia	No ERL	mg/L	mg/kg	N/A	1.80	1.86	1.060.0	1.77	1.77	1.64	1.90	430.0	1.63	1.80	200.0	1.65	4.00	30.19

Source: USACE Database.

TABLE 3.2-8 (Cont'd)
DETECTED PARAMETERS IN THE HISTORIC DATA
UPPER BAY
CORPUS CHRISTI SHIP CHANNEL

Parameter	ERL	Liquid Media Unit	Solid Media Unit	Channel Station: Date:	CC-B-83-DA17B 1/12/83 970+00		CC-B-83-REF17B 1/12/83 970+00		CC-B-85-01 1/16/85 550+00		CC-B-85-02 1/16/85 600+00		CC-B-85-03 1/16/85 650+00		CC-B-85-04 1/16/85 700+00	
					Water	Elutriate	Sediment	Water	Elutriate	Sediment	Water	Elutriate	Sediment	Water	Elutriate	Sediment
Sand			%		3.63		7.89		10.26							
Silt			%		21.16		11.55		83.62							
Clay			%		75.21		80.56		6.12							
D50			mm		0.003		0.01		0.01							
Oil & Grease	No ERL	mg/L	mg/kg	N/A	28.0	<1.0	35.3	1.5	598.00	2.20	<2.00	2.80	3.00	675.00	<1.00	1.60
As	8.2	ug/L	mg/kg	149	4.64	10.0	3.37	9.0	2.50	6.00	8.00	16.00	8.00	15.00	7.00	9.00
Ba	No ERL	ug/L	mg/kg	N/A	<0.50	<2.00	<0.50	<2.00	<0.50	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Cd	1.2	ug/L	mg/kg	45.62	7.49	<10.00	8.89	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Cr	81	ug/L	mg/kg	N/A	7.49	<1.00	6.27	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Cu	34	ug/L	mg/kg	13.5	11.4	<10.00	10.0	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00	<10.00
Pb	46.7	ug/L	mg/kg	133	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Hg	0.15	ug/L	mg/kg	2.1	6.18	<20.00	7.30	<20.00	<5.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00
Ni	20.9	ug/L	mg/kg	118												
Ag	1	ug/L	mg/kg	2												
Se	No ERL	ug/L	mg/kg	564	77.76	<20.00	28.8	<20.00	17.80	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00	<20.00
Zn	150	ug/L	mg/kg	92.7												
TOC	No ERL	mg/L	mg/kg	N/A	<10.00	<0.50	<10.00	<0.50	<10.00	<0.50	<0.50	<10.00	<0.50	<10.00	<0.50	<10.00
Total PCB	22.7	ug/L	ug/kg	10	<0.50	<0.02	<0.50	<0.02	<0.50	<0.02	<0.02	<0.50	<0.02	<0.50	<0.02	<0.50
DDT	1.58	ug/L	ug/kg	0.13	<1.00	<0.05	<1.00	<0.05	<1.00	<0.05	<0.05	<1.00	<0.05	<1.00	<0.05	<1.00
Chlordane	0.5	ug/L	ug/kg	0.09	<10.00	<0.50	<10.00	<0.50	<10.00	<0.50	<0.50	<10.00	<0.50	<10.00	<0.50	<10.00
Toxaphene	No ERL	ug/L	ug/kg	0.21	<10.00	<0.50	<10.00	<0.50	<10.00	<0.50	<0.50	<10.00	<0.50	<10.00	<0.50	<10.00
Total PAH	4.022	ug/L	mg/kg	N/A												
Naphthalene	160	ug/L	ug/kg	N/A												
Acenaphthene	16	ug/L	ug/kg	N/A												
Fluoranthene	600	ug/L	ug/kg	N/A												
Benzo(a)pyrene	430	ug/L	ug/kg	N/A												
Benzo(e)pyrene	No ERL	ug/L	ug/kg	N/A												
Aldrin	No ERL	ug/L	ug/kg	1.3	<0.2	<0.02	<0.2	<0.02	<0.2	<0.02	<0.02	<0.2	<0.02	<0.2	<0.02	<0.2
Dieldrin	0.02	ug/L	ug/kg	0.71	<0.5	<0.02	<0.5	<0.02	<0.5	<0.02	<0.02	<0.5	<0.02	<0.5	<0.02	<0.5
Heptachlor	No ERL	ug/L	ug/kg	0.053	<0.5	<0.02	<0.5	<0.02	<0.5	<0.02	<0.02	<0.5	<0.02	<0.5	<0.02	<0.5
Hexachlorocyclohexane	No ERL	ug/L	ug/kg	0.16	<0.5	<0.02	<0.5	<0.02	<0.5	<0.02	<0.02	<0.5	<0.02	<0.5	<0.02	<0.5
Ammonia	No ERL	mg/L	mg/kg	N/A	5.75	0.07	3.87	0.07	72.00	0.08	0.12	2.00	0.11	2.38	0.16	2.07

Source: USACE Database.

TABLE 3.2-8 (Cont'd)
 DETECTED PARAMETERS IN THE HISTORIC DATA
 UPPER BAY
 CORPUS CHRISTI SHIP CHANNEL

Parameter	ERL	Liquid Media Unit	Solid Media Unit	Channel Station:	CC-B-85-05 1/16/85 750+00		CC-B-85-06 1/16/85 800+00		CC-B-85-07 1/16/85 850+00		CC-B-85-08 1/16/85 900+00		CC-B-85-09 1/16/85 950+00		
					Water	Elutriate Sediment	Water	Elutriate Sediment	Water	Elutriate Sediment	Water	Elutriate Sediment	Water	Elutriate Sediment	Water
Sand		%		Station: Date:	0.27		0.46		0.46		0.19		0.19		
Silt		%		Channel Station:	81.76		82.48		82.48		85.92		85.92		
Clay		%			17.97		17.06		17.06		13.89		13.89		
D50		mm			0.01		0.01		0.01		0.01		0.01		
Oil & Grease	No ERL	mg/L			1.40	3.00	900.00		1.40	3.00	900.00		1.40	3.00	900.00
As	8.2	ug/L			7.00	9.00	3.10		7.00	9.00	2.80		7.00	9.00	2.80
Ba	No ERL	ug/L			<2.00	<2.00	<0.50		<2.00	<2.00	<0.50		<2.00	<2.00	<0.50
Cd	1.2	ug/L			<10.00	<10.00	<5.00		<10.00	<10.00	<5.00		<10.00	<10.00	<5.00
Cr	81	ug/L			<1.00	<1.00	<5.00		5.00	5.00	<5.00		<1.00	<1.00	<5.00
Cu	34	ug/L			<10.00	<10.00	<5.00		5.00	5.00	<5.00		<1.00	<1.00	<5.00
Pb	46.7	ug/L			<10.00	<10.00	5.40		<10.00	<10.00	6.30		<10.00	<10.00	6.70
Hg	0.15	ug/L			<0.10	<0.10	<0.10		<0.10	<0.10	<0.10		<0.10	<0.10	<0.10
Ni	20.9	ug/L			<20.00	<20.00	<5.00		<20.00	<20.00	<5.00		<20.00	<20.00	<5.00
Ag	1	ug/L													
Se	No ERL	ug/L													
Zn	150	ug/L			<20.00	<20.00	21.80		<20.00	81.00	22.6		<20.00	<20.00	24.50
TOC	No ERL	mg/L			<0.50	<0.50	<10.00		<0.50	<0.50	<10.00		<0.50	<0.50	<10.00
Total PCB	22.7	ug/L			<0.02	<0.02	<0.50		<0.02	<0.02	<0.50		<0.02	<0.02	<0.50
DDT	1.58	ug/L			<0.05	<0.05	<1.00		<0.05	<0.05	<1.00		<0.05	<0.05	<1.00
Chlordane	0.5	ug/L			<0.05	<0.05	<1.00		<0.05	<0.05	<1.00		<0.05	<0.05	<1.00
Toxaphene	No ERL	ug/L			<0.50	<0.50	<10.00		<0.50	<0.50	<10.00		<0.50	<0.50	<10.00
Total PAH	4.022	ug/L													
Naphthalene	160	ug/L													
Acenaphthene	16	ug/L													
Fluoranthene	600	ug/L													
Benzo(a)pyrene	430	ug/L													
Benzo(e)pyrene	No ERL	ug/L													
Aldrin	No ERL	ug/L			<0.02	<0.02	<0.2		<0.02	<0.02	<0.2		<0.02	<0.02	<0.2
Dieldrin	0.02	ug/L			<0.02	<0.02	<0.5		<0.02	<0.02	<0.5		<0.02	<0.02	<0.5
Heptachlor	No ERL	ug/L			<0.02	<0.02	<0.5		<0.02	<0.02	<0.5		<0.02	<0.02	<0.5
Hexachlorocyclohexane	No ERL	ug/L			<0.02	<0.02	<0.5		<0.02	<0.02	<0.5		<0.02	<0.02	<0.5
Ammonia	No ERL	mg/L			0.16	2.39	160.00		0.16	1.50	64.00		0.16	2.26	83.00

Source: USACE Database.

TABLE 3.2-8 (Cont'd)
 DETECTED PARAMETERS IN THE HISTORIC DATA
 UPPER BAY
 CORPUS CHRISTI SHIP CHANNEL

Parameter	ERL	Liquid Media Unit	Solid Media Unit	Texas Acute Marine Water Quality Standard	Station: CC-B-85-10		Station: CC-B-85-11		Station: CC-B-85-DA15	
					Date: 1/16/85	Channel Station: 1000+00	Date: 1/16/85	Channel Station: 1050+00	Date: 1/16/85	Channel Station: 730+00
					Water	Elutriate	Sediment	Water	Elutriate	Sediment
Sand		%					0.78			
Silt		%					88.11			
Clay		%					11.11			
D50		mm					0.01			
Oil & Grease	No ERL	mg/L		N/A	1.50	3.00	750.00	1.60	2.80	865.00
As	8.2	ug/L		149	7.00	14.00	3.00	8.00	15.00	2.50
Ba	No ERL	ug/L		N/A	<2.00	<2.00	<0.50	<2.00	<2.00	<0.50
Cd	1.2	ug/L		45.62	<10.00	<10.00	<5.00	<10.00	<10.00	<5.00
Cr	81	ug/L		N/A	<1.00	<1.00	<5.00	<1.00	<1.00	<5.00
Cu	34	ug/L		13.5	<10.00	<10.00	6.60	<10.00	<10.00	6.60
Pb	46.7	ug/L		133	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Hg	0.15	ug/L		2.1	<20.00	<20.00	<5.00	<20.00	<20.00	<5.00
Ni	20.9	ug/L		118						
Ag	1	ug/L		2						
Se	No ERL	ug/L		564	<20.00	<20.00	28.10	<20.00	<20.00	25.50
Zn	150	ug/L		92.7	<0.50	<0.50	<10.00	<0.50	<0.50	<10.00
TOC	No ERL	mg/L		N/A	<0.02	<0.02	<0.50	<0.02	<0.02	<0.50
Total PCB	22.7	ug/L		10	<0.05	<0.05	<1.00	<0.05	<0.05	<1.00
DDT	1.58	ug/L		0.13	<0.05	<0.05	<1.00	<0.05	<0.05	<1.00
Chlordane	0.5	ug/L		0.09	<0.50	<0.50	<10.00	<0.50	<0.50	<10.00
Toxaphene	No ERL	ug/L		0.21	<0.50	<0.50	<10.00	<0.50	<0.50	<10.00
Total PAH	4.022	ug/L		N/A						
Naphthalene	160	ug/L		N/A						
Acenaphthene	16	ug/L		N/A						
Fluoranthene	600	ug/L		N/A						
Benzo(a)pyrene	430	ug/L		N/A						
Benzo(e)pyrene	No ERL	ug/L		N/A						
Aldrin	No ERL	ug/L		1.3	<0.02	<0.02	<0.2	<0.02	<0.02	<0.2
Dieldrin	0.02	ug/L		0.71	<0.02	<0.02	<0.5	<0.02	<0.02	<0.5
Heptachlor	No ERL	ug/L		0.053	<0.02	<0.02	<0.5	<0.02	<0.02	<0.5
Hexachlorocyclohexane	No ERL	ug/L		0.16	<0.02	<0.02	<0.5	<0.02	<0.02	<0.5
Ammonia	No ERL	mg/L		N/A	0.19	3.88	76.00	0.16	3.80	47.00
										31.00

Source: USACE Database.

TABLE 3.2.8 (Cont'd)
 DETECTED PARAMETERS IN THE HISTORIC DATA
 UPPER BAY
 CORPUS CHRISTI SHIP CHANNEL

Parameter	ERL	Liquid Media Unit	Solid Media Unit	Channel Station: Texas Acute Marine Water Quality Standard	CC-B-87-01 3/31/87 550+00		CC-B-87-02 3/31/87 600+00		CC-B-87-03 3/31/87 650+00		CC-B-87-04 3/31/87 700+00		CC-B-87-05 3/31/87 750+00		CC-B-87-06 3/31/87 800+00	
					Water	Elutriate	Sediment	Water	Elutriate	Sediment	Water	Elutriate	Sediment	Water	Elutriate	Sediment
Sand		%			33.4				3.18					3.98		
Silt		%			51.73			73.46						68.43		
Clay		%			14.86			23.36						27.6		
D50		mm			0.03			0.01						0.01		
Oil & Grease	No ERL	mg/L			4.8	1.1	377.0	4.4	137.0	4.0	1.3	15.5	6.2	4.7	428.0	2.0
As	8.2	ug/L			<2.0	<2.0	2.00	<2.0	1.80	<2.0	<2.0	1.80	<2.0	<2.0	1.80	<2.0
Ba	No ERL	mg/kg			<2.0	<2.0	<0.1	<2.0	<0.1	<2.0	<2.0	<0.1	<2.0	<2.0	<2.0	<2.0
Cd	1.2	ug/L			<10.0	<10.0	7.40	<10.0	7.40	<10.0	<10.0	7.20	<10.0	<10.0	9.20	<10.0
Cr	81	ug/L			<1.0	<1.0	50.00	<1.0	50.00	<1.0	<1.0	3.60	<1.0	<1.0	5.20	<1.0
Cu	34	ug/L			<5.0	<5.0	6.00	<5.0	6.00	<5.0	<5.0	5.80	<5.0	<5.0	4.60	<5.0
Pb	46.7	ug/L			<0.2	<0.2	<0.1	<0.2	<0.1	<0.2	<0.2	<0.1	<0.2	<0.2	<0.1	<0.2
Hg	0.15	ug/L			<5.0	<5.0	5.50	<5.0	5.50	<5.0	<5.0	5.30	<5.0	<5.0	5.70	<5.0
Ni	20.9	ug/L			<2.0	<2.0	<0.1	<2.0	<0.1	<2.0	<2.0	<0.1	<2.0	<2.0	<0.1	<2.0
Ag	1	ug/L			<2.0	<2.0	<0.5	<2.0	<0.5	<2.0	<2.0	<0.5	<2.0	<2.0	<0.5	<2.0
Se	No ERL	ug/L			87.2	41.0	25.2	71.8	76.9	138.0	30.8	25.5	128.0	71.8	30.2	185.0
Zn	150	ug/L			<0.5	<0.5	<5.0	<0.5	<5.0	<0.5	<0.5	<5.0	<0.5	<0.5	<5.0	<0.5
TOC	No ERL	mg/L			<0.02	<0.02	<0.2	<0.02	<0.2	<0.02	<0.02	<0.2	<0.02	<0.02	<0.2	<0.02
Total PCB	22.7	ug/L			<0.5	<0.5	<5.0	<0.5	<5.0	<0.5	<0.5	<5.0	<0.5	<0.5	<5.0	<0.5
DDT	1.58	ug/L			<0.02	<0.02	<0.2	<0.02	<0.2	<0.02	<0.02	<0.2	<0.02	<0.02	<0.2	<0.02
Chlordane	0.5	ug/L			<0.5	<0.5	<5.0	<0.5	<5.0	<0.5	<0.5	<5.0	<0.5	<0.5	<5.0	<0.5
Toxaphene	No ERL	ug/L			<2.5	<2.5	0.40	<2.5	0.30	<2.5	<2.5	0.20	<2.5	<2.5	0.20	<2.5
Total PAH	4,022	ug/L			<2.0	<2.0	<50.0	<2.0	<50.0	<2.0	<2.0	<50.0	<2.0	<2.0	<50.0	<2.0
Naphthalene	160	ug/L			<2.0	<2.0	<50.0	<2.0	<50.0	<2.0	<2.0	<50.0	<2.0	<2.0	<50.0	<2.0
Acenaphthene	16	ug/L			<0.5	<0.5	<10.0	<0.5	<10.0	<0.5	<0.5	<10.0	<0.5	<0.5	<10.0	<0.5
Fluoranthene	600	ug/L			<0.5	<0.5	<10.0	<0.5	<10.0	<0.5	<0.5	<10.0	<0.5	<0.5	<10.0	<0.5
Benzo(a)pyrene	430	ug/L			<0.5	<0.5	<10.0	<0.5	<10.0	<0.5	<0.5	<10.0	<0.5	<0.5	<10.0	<0.5
Benzo(e)pyrene	No ERL	ug/L			<0.5	<0.5	<10.0	<0.5	<10.0	<0.5	<0.5	<10.0	<0.5	<0.5	<10.0	<0.5

Source: USACE Database.

TABLE 3.2-8 (Cont'd)
 DETECTED PARAMETERS IN THE HISTORIC DATA
 UPPER BAY
 CORPUS CHRISTI SHIP CHANNEL

Parameter	ERL	Liquid Media Unit	Solid Media Unit	Station: Date: Channel Station:	CC-B-87-07 3/3/87 850+00		CC-B-87-08 3/3/87 900+00		CC-B-87-09 3/3/87 950+00		CC-B-87-10 3/3/87 1000+00		CC-B-87-11 3/3/87 1050+00		CC-B-87-DA14B 3/3/87 670+00	
					Water	Elutriate	Sediment	Water	Elutriate	Sediment	Water	Elutriate	Sediment	Water	Elutriate	Sediment
Sand			%			0.97				1.48					1.36	
Silt			%			70.21				79.62					81.1	
Clay			%			28.81				18.9					17.54	
D50			mm			0.01				0.01					0.01	
Oil & Grease	No ERL	mg/L	mg/kg			1.6	<1.0	334.0	1.6	<1.0	85.7	2.2	<1.0	24.0	2.1	162.0
As	8.2	ug/L	mg/kg			<2.0	<2.0	1.50	<2.0	<2.0	1.70	<2.0	<2.0	1.50	<2.0	1.50
Ba	No ERL	ug/L	mg/kg			<2.0	<2.0	<0.1	<2.0	<2.0	<0.1	<2.0	<2.0	<0.1	<2.0	<0.1
Cd	1.2	ug/L	mg/kg			<2.0	<2.0	<0.1	<2.0	<2.0	<0.1	<2.0	<2.0	<0.1	<2.0	<0.1
Cr	81	ug/L	mg/kg			<10.0	<10.0	5.80	<10.0	<10.0	6.80	<10.0	<10.0	6.10	<10.0	8.30
Cu	34	ug/L	mg/kg			<1.0	<1.0	4.80	<1.0	<1.0	40.00	<1.0	<1.0	4.10	<1.0	5.30
Pb	46.7	ug/L	mg/kg			<5.0	<5.0	5.90	<5.0	<5.0	5.50	<5.0	<5.0	4.90	<5.0	8.40
Hg	0.15	ug/L	mg/kg			<0.2	<0.2	<0.1	<0.2	<0.2	<0.1	<0.2	<0.2	<0.1	<0.2	<0.1
Ni	20.9	ug/L	mg/kg			<5.0	<5.0	7.20	<5.0	<5.0	6.80	<5.0	<5.0	4.50	<5.0	3.30
Ag	1	ug/L	mg/kg													
Se	No ERL	ug/L	mg/kg			<2.0	<2.0	<0.5	<2.0	<2.0	<0.5	<2.0	<2.0	<0.5	<2.0	<0.5
Zn	150	ug/L	mg/kg			126.0	56.4	35.9	303.0	51.3	33.6	96.2	46.2	36.9	646.0	113.0
TOC	No ERL	mg/L	mg/kg													
Total PCB	22.7	ug/L	ug/kg			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
DDT	1.58	ug/L	ug/kg			<0.02	<0.02	<0.2	<0.02	<0.02	<0.2	<0.02	<0.02	<0.2	<0.02	<0.2
Chlordane	0.5	ug/L	ug/kg			<0.02	<0.02	<0.2	<0.02	<0.02	<0.2	<0.02	<0.02	<0.2	<0.02	<0.2
Toxaphene	No ERL	ug/L	ug/kg			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Total PAH	4.022	ug/L	mg/kg			<2.5	<2.5	0.20	<2.5	<2.5	<0.2	<2.5	<2.5	0.30	<2.5	<0.2
Naphthalene	160	ug/L	ug/kg			<2.0	<2.0	<50.0	<2.0	<2.0	<50.0	<2.0	<2.0	<50.0	<2.0	<50.0
Acenaphthene	16	ug/L	ug/kg			<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Fluoranthene	600	ug/L	ug/kg			<0.5	<0.5	5.9	<0.5	<0.5	4.6	<0.5	<0.5	6.1	<0.5	<10.0
Benzo(a)pyrene	430	ug/L	ug/kg			<0.5	<0.5	1.6	<0.5	<0.5	<10.0	<0.5	<0.5	1.3	<0.5	<10.0
Benzo(e)pyrene	No ERL	ug/L	ug/kg													

Source: USACE Database.

TABLE 3.2-8 (Cont'd)
 DETECTED PARAMETERS IN THE HISTORIC DATA
 UPPER BAY
 CORPUS CHRISTI SHIP CHANNEL

Parameter	ERL	Liquid Media Unit	Solid Media Unit	Channel Station:	CC-B-87-DA15B 3/31/87 775+00		CC-B-87-DA16A 3/31/87 840+00		CC-B-87-DA17B 3/31/87 970+00		CC-B-87-RF14B 3/31/87 670+00		CC-B-87-RF15B 3/31/87 775+00		CC-B-87-RF16A 3/31/87 840+00	
					Station: Date:	Water	Sediment	Water	Sediment	Water	Sediment	Water	Sediment	Water	Sediment	Water
Sand			%													
Silt			%													
Clay			%													
D50			mm													
Oil & Grease	No ERL	mg/L	mg/kg	N/A												
As	8.2	ug/L	mg/kg	149												
Ba	No ERL	ug/L	mg/kg	N/A												
Cd	1.2	ug/L	mg/kg	45.62												
Cr	81	ug/L	mg/kg	N/A												
Cu	34	ug/L	mg/kg	13.5												
Pb	46.7	ug/L	mg/kg	133												
Hg	0.15	ug/L	mg/kg	2.1												
Ni	20.9	ug/L	mg/kg	118												
Ag	1	ug/L	mg/kg	2												
Se	No ERL	ug/L	mg/kg	564												
Zn	150	ug/L	mg/kg	92.7												
TOC	No ERL	mg/L	mg/kg	N/A												
Total PCB	22.7	ug/L	ug/kg	10												
DDT	1.58	ug/L	ug/kg	0.13												
Chlordane	0.5	ug/L	ug/kg	0.09												
Toxaphene	No ERL	ug/L	ug/kg	0.21												
Total PAH	4.022	ug/L	mg/kg	N/A												
Naphthalene	160	ug/L	ug/kg	N/A												
Acenaphthene	600	ug/L	ug/kg	N/A												
Fluoranthene	430	ug/L	ug/kg	N/A												
Benzo(a)pyrene	No ERL	ug/L	ug/kg	N/A												
Benzo(e)pyrene	No ERL	ug/L	ug/kg	N/A												

Source: USACE Database.

TABLE 3.2-8 (Cont'd)
 DETECTED PARAMETERS IN THE HISTORIC DATA
 UPPER BAY
 CORPUS CHRISTI SHIP CHANNEL

Parameter	Liquid Media Unit	Solid Media Unit	Texas Acute Marine Water Quality Standard	Station: Date: Channel Station:		CC-B-87-RF17B 3/31/87 970+00		CC-B-88-11 2/24/88 1050+00		CC-B-89-01 12/19/89 550+00		CC-B-89-02 12/19/89 800+00		CC-B-89-03 12/19/89 650+00	
				Water	Sediment	Water	Sediment	Water	Sediment	Water	Sediment	Water	Sediment	Water	Sediment
Sand	%			12.74			1.18								
Silt	%			61.82			73.53								
Clay	%			24.88			25.29								
D50	mm			0.01			0.01198								
Oil & Grease	mg/L			2.2	<1.0	313.0	1.22	2.08	161.41						
As	ug/L		N/A	<2.0	<2.0	2.00	<2.0	<2.0	1.04	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0
Ba	ug/L		149	<2.0	<2.0		<2.0	<2.0		<2.0	<2.0	<2.0	<2.0	<2.0	<0.1
Cd	ug/L		N/A	<10.0	<10.0	9.60	<10.0	<10.0	12.14	<10.0	<10.0	<10.0	<10.0	<10.0	4.90
Cr	ug/L		45.62	<1.0	<1.0	5.50	5.6	3.0	4.13	<1.0	<1.0	<1.0	<1.0	<1.0	2.80
Cu	ug/L		13.5	<5.0	<5.0	10.60	<5.0	<5.0	10.32	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0
Pb	ug/L		133	<0.2	<0.2	<0.1	<0.2	<0.2	<0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<0.1
Hg	ug/L		2.1	<5.0	<5.0	8.20	45.6	49.8	5.36	<5.0	<5.0	<5.0	<5.0	<5.0	3.50
Ni	ug/L		118	<2.0	<2.0		<2.0	<2.0		<2.0	<2.0	<2.0	<2.0	<2.0	<0.5
Ag	ug/L		2	<2.0	<2.0	<0.5	<2.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<0.5
Se	ug/L		564	549.0	51.3	52.0	20.4	<5.0	39.84	<5.0	31.0	<5.0	29.0	7.0	23.5
Zn	ug/L		92.7	<0.5	<0.5		<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
TOC	mg/L		N/A	<0.02	<0.02	<0.2	<0.02	<0.02	<0.2	<0.02	<0.02	<0.02	<0.02	<0.02	<0.2
Total PCB	ug/L		10	<0.5	<0.5		<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
DDT	ug/L		0.13	<0.02	<0.02		<0.02	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.2
Chlordane	ug/L		0.09	<0.5	<0.5		<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
Toxaphene	ug/L		0.21	<2.5	<2.5	0.20	<2.5	<2.5	<0.5	<2.5	<2.5	<2.5	<2.5	<2.5	<0.5
Total PAH	ug/L		N/A	<2.0	<2.0	<50.0	<2.0	<2.0	<50.0	<2.0	<2.0	<2.0	<2.0	<2.0	<50.0
Naphthalene	ug/L		N/A	<2.0	<2.0		<2.0	<2.0		<2.0	<2.0	<2.0	<2.0	<2.0	<50.0
Acenaphthene	ug/L		N/A	<0.5	<0.5	1.4	<0.5	<0.5	<10.0	<0.5	<0.5	<0.5	<0.5	<0.5	<10.0
Fluoranthene	ug/L		N/A	<0.5	<0.5		<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<10.0
Benzo(a)pyrene	ug/L		N/A	<0.5	<0.5	<10.0	<0.5	<0.5	<10.0	<0.5	<0.5	<0.5	<0.5	<0.5	<10.0
Benzo(e)pyrene	ug/L		N/A												

Source: USACE Database.

TABLE 3.2.8 (Cont'd)

DETECTED PARAMETERS IN THE HISTORIC DATA
UPPER BAY
CORPUS CHRISTI SHIP CHANNEL

Parameter	ERL	Liquid Media Unit	Solid Media Unit	Texas Acute Marine Water Quality Standard	Station: Date: Channel Station:		Station: Date: Channel Station:		Station: Date: Channel Station:	
					Water	Sediment	Water	Sediment	Water	Sediment
Sand		%								
Silt		%								
Clay		%								
D50		mm								
Oil & Grease	No ERL	mg/L		N/A						
As	8.2	ug/L		149						
Ba	No ERL	ug/L		N/A						
Cd	1.2	ug/L		45.62						
Cr	81	ug/L		1100						
Cu	34	ug/L		16.27						
Pb	46.7	ug/L		140						
Hg	0.15	ug/L		2.1						
Ni	20.9	ug/L		119						
Ag	1	ug/L		2.3						
Se	No ERL	ug/L		564						
Zn	150	ug/L		98						
TOC	No ERL	mg/L		N/A						
Total PCB	22.7	ug/L		10						
DDT	1.56	ug/L		0.13						
Chlordane	0.5	ug/L		0.09						
Toxaphene	No ERL	ug/L		0.21						
Total PAH	4,022	ug/L		N/A						
Naphthalene	160	ug/L		N/A						
Acenaphthene	16	ug/L		N/A						
Fluoranthene	600	ug/L		N/A						
Benzo(a)pyrene	430	ug/L		N/A						
Benzo(b)pyrene	No ERL	ug/L		N/A						

Source: USACE Database.

TABLE 3.2-8 (Cont'd)
 DETECTED PARAMETERS IN THE HISTORIC DATA
 UPPER BAY
 CORPUS CHRISTI SHIP CHANNEL

Parameter	ERL	Liquid Media Unit	Solid Media Unit	Texas Acute Marine Water Quality Standard	CC-B-89-07 12/19/89 850+00		CC-B-89-08 12/19/89 900+00		CC-B-89-09 12/19/89 950+00		CC-B-89-10 12/19/89 1000+00		CC-B-89-11 12/19/89 1050+00		CC-B-89-DA14 12/19/89 668+00	
					Water	Elutriate	Sediment	Water	Elutriate	Sediment	Water	Elutriate	Sediment	Water	Elutriate	Sediment
Sand		mg/L	%		<2.0	<2.0	<1.0	<2.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<1.0	<1.0
Silt		ug/L	%		<2.0	<2.0	<0.1	<2.0	<2.0	<0.1	<2.0	<2.0	<2.0	<2.0	<0.1	16.4
Clay		ug/L	%		<10.0	<10.0	7.90	<10.0	<10.0	9.90	<10.0	<10.0	<10.0	<10.0	4.80	39.3
D50		mm			<1.0	<1.0	3.20	<1.0	<1.0	4.30	<1.0	<1.0	<1.0	<1.0	2.90	44.3
Oil & Grease	No ERL	mg/kg	mg/kg	N/A	<2.0	<2.0	<1.0	<2.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<1.0	0.009
As	8.2	ug/L	mg/kg	149	<2.0	<2.0	<0.1	<2.0	<2.0	<0.1	<2.0	<2.0	<2.0	<2.0	<0.1	<1.0
Ba	No ERL	ug/L	mg/kg	N/A	<2.0	<2.0	<0.1	<2.0	<2.0	<0.1	<2.0	<2.0	<2.0	<2.0	<0.1	<1.0
Cd	1.2	ug/L	mg/kg	45.62	<10.0	<10.0	7.90	<10.0	<10.0	9.90	<10.0	<10.0	<10.0	<10.0	4.80	4.8
Cr	81	ug/L	mg/kg	N/A	<1.0	<1.0	3.20	<1.0	<1.0	4.30	<1.0	<1.0	<1.0	<1.0	2.90	2.80
Cu	34	ug/L	mg/kg	13.5	<5.0	<5.0	<1.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0
Pb	46.7	ug/L	mg/kg	133	<0.2	<0.2	<0.1	<0.2	<0.2	<0.1	<0.2	<0.2	<0.2	<0.2	<0.1	<0.1
Hg	0.15	ug/L	mg/kg	2.1	<5.0	<5.0	2.50	<5.0	<5.0	6.60	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0
Ni	20.9	ug/L	mg/kg	118	<2.0	<2.0	<0.5	<2.0	<2.0	<0.5	<2.0	<2.0	<2.0	<2.0	<0.5	3.80
Ag	1	ug/L	mg/kg	2	<2.0	<2.0	<0.5	<2.0	<2.0	<0.5	<2.0	<2.0	<2.0	<2.0	<0.5	<0.5
Se	No ERL	ug/L	mg/kg	564	15.0	30.0	21.0	70.0	17.0	35.0	<5.0	<5.0	34.0	20.0	31.8	23.2
Zn	150	ug/L	mg/kg	92.7	<0.5	<0.5	<5.0	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TOC	No ERL	mg/L	mg/kg	N/A	<0.5	<0.5	<5.0	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Total PCB	22.7	ug/L	ug/kg	10	<0.02	<0.02	<0.2	<0.02	<0.02	<0.2	<0.02	<0.02	<0.02	<0.02	<0.2	<0.2
DDT	1.58	ug/L	ug/kg	0.13	<0.02	<0.02	<0.2	<0.02	<0.02	<0.2	<0.02	<0.02	<0.02	<0.02	<0.2	<0.2
Chlordane	0.5	ug/L	ug/kg	0.09	<0.5	<0.5	<5.0	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Toxaphene	No ERL	ug/L	ug/kg	0.21	<2.5	<2.5	<0.5	<2.5	<2.5	<0.5	<2.5	<2.5	<2.5	<2.5	<0.5	<0.5
Total PAH	4.022	ug/L	mg/kg	N/A	<2.0	<2.0	<50.0	<2.0	<2.0	<50.0	<2.0	<2.0	<2.0	<2.0	<50.0	<50.0
Naphthalene	160	ug/L	ug/kg	N/A	<2.0	<2.0	<50.0	<2.0	<2.0	<50.0	<2.0	<2.0	<2.0	<2.0	<50.0	<50.0
Acenaphthene	16	ug/L	ug/kg	N/A	<2.0	<2.0	<50.0	<2.0	<2.0	<50.0	<2.0	<2.0	<2.0	<2.0	<50.0	<50.0
Fluoranthene	600	ug/L	ug/kg	N/A	<0.5	<0.5	<10.0	<0.5	<0.5	<10.0	<0.5	<0.5	<0.5	<0.5	<10.0	<10.0
Benzo(a)pyrene	430	ug/L	ug/kg	N/A	<0.5	<0.5	<10.0	<0.5	<0.5	<10.0	<0.5	<0.5	<0.5	<0.5	<10.0	<10.0
Benzo(e)pyrene	No ERL	ug/L	ug/kg	N/A	<0.5	<0.5	<10.0	<0.5	<0.5	<10.0	<0.5	<0.5	<0.5	<0.5	<10.0	<10.0

Source: USACE Database.

TABLE 3.2-8 (Cont'd)
DETECTED PARAMETERS IN THE HISTORIC DATA
UPPER BAY
CORPUS CHRISTI SHIP CHANNEL

Parameter	ERL	Liquid Media Unit	Solid Media Unit	Texas Acute Marine Water Quality Standard	CC-B-89-DA15 12/19/89 775+00		CC-B-89-DA16 12/19/89 838+00		CC-B-89-DA17 12/19/89 927+00		CC-B-89-REF14 12/19/89 668+00		CC-B-89-REF15 12/19/89 775+00		CC-B-89-REF16 12/19/89 838+00		
					Water	Elutriate	Sediment	Water	Elutriate	Sediment	Water	Elutriate	Sediment	Water	Elutriate	Sediment	Water
Sand		ug/L	%		<2.0	29.7	30.5	44.6	<2.0	<1.0	55.9	<2.0	<2.0	<1.0	<2.0	<1.0	
Silt		ug/L	%		<2.0	27.2	30	26.4	<2.0	<0.1	21.5	<2.0	<2.0	<0.1	<2.0	<0.1	
Clay		ug/L	%		<10.0	43.1	39.5	29	<10.0	<1.0	22.6	<10.0	<10.0	<1.0	<10.0	8.20	
D50		mm			0.011	0.011	0.025	0.061	<1.0	<1.0	0.094	<1.0	<1.0	<1.0	<1.0	<1.0	40.00
Oil & Grease	No ERL	mg/L	mg/kg	N/A	<2.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0
As	8.2	ug/L	mg/kg	149	<2.0	<0.1	<0.1	<0.1	<2.0	<0.1	<0.1	<2.0	<2.0	<0.1	<2.0	<2.0	<0.1
Ba	No ERL	ug/L	mg/kg	N/A	<10.0	8.80	11.70	<1.0	<10.0	<1.0	<1.0	<10.0	<10.0	<1.0	<10.0	<10.0	8.20
Cd	1.2	ug/L	mg/kg	45.62	<1.0	5.30	4.50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Cr	81	ug/L	mg/kg	N/A	<5.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<5.0	<5.0	<1.0	<5.0	<5.0	<1.0
Cu	34	ug/L	mg/kg	13.5	<0.2	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.2	<0.1	<0.2	<0.2	<0.1
Pb	46.7	ug/L	mg/kg	133	<5.0	5.20	3.60	3.30	<5.0	<5.0	4.10	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0
Hg	0.15	ug/L	mg/kg	2.1	<2.0	<0.1	<0.1	<0.1	<2.0	<0.1	<0.1	<2.0	<2.0	<0.1	<2.0	<0.2	<0.1
Ni	20.9	ug/L	mg/kg	118	<5.0	<0.1	<0.1	<0.1	<5.0	<0.1	<0.1	<5.0	<5.0	<0.1	<5.0	<0.2	<0.1
Ag	1	ug/L	mg/kg	2	<2.0	<0.1	<0.1	<0.1	<2.0	<0.1	<0.1	<2.0	<2.0	<0.1	<2.0	<0.2	<0.1
Se	No ERL	ug/L	mg/kg	564	<2.0	46.6	31.1	9.7	<2.0	<0.5	20.0	<2.0	<2.0	<0.5	<2.0	<2.0	<0.5
Zn	150	ug/L	mg/kg	92.7	<5.0	<0.5	<0.5	<0.5	<5.0	<0.5	23.6	<5.0	<5.0	<5.0	<5.0	<5.0	<0.5
TOC	No ERL	mg/L	mg/kg	N/A	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Total PCB	22.7	ug/L	ug/kg	10	<0.02	<0.2	<0.2	<0.2	<0.02	<0.2	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.5
DDT	1.58	ug/L	ug/kg	0.13	<0.02	<0.2	<0.2	<0.2	<0.02	<0.2	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.2
Chlordane	0.5	ug/L	ug/kg	0.09	<0.02	<0.2	<0.2	<0.2	<0.02	<0.2	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.2
Toxaphene	No ERL	ug/L	ug/kg	0.21	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Total PAH	4,022	ug/L	mg/kg	N/A	<5.0	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<5.0	<5.0	<0.5	<5.0	<0.5	<0.5
Naphthalene	160	ug/L	ug/kg	N/A	<2.0	<50.0	<50.0	<50.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<50.0
Acenaphthene	16	ug/L	ug/kg	N/A	<2.0	<50.0	<50.0	<50.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<50.0
Fluoranthene	600	ug/L	ug/kg	N/A	<0.5	<10.0	<10.0	<10.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10.0
Benzo(a)pyrene	430	ug/L	ug/kg	N/A	<0.5	<10.0	<10.0	<10.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10.0
Benzo(e)pyrene	No ERL	ug/L	ug/kg	N/A	<0.5	<10.0	<10.0	<10.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10.0

Source: USACE Database.

TABLE 3.2-8 (Cont'd)
 DETECTED PARAMETERS IN THE HISTORIC DATA
 UPPER BAY
 CORPUS CHRISTI SHIP CHANNEL

Parameter	ERL	Liquid Media Unit	Solid Media Unit	Station: Date: Channel Station:	CC-B-89-REF17 12/19/89 927+00		CC-B-91-11 8/22/91 1050+00		CC-B-94-11 3/16/94 1050+00		CC-B-95-01 1/12/95 550+00		CC-B-95-02 1/12/95 600+00		CC-B-95-03 1/12/95 650+00	
					Water	Elutriate Sediment	Water	Elutriate Sediment	Water	Elutriate Sediment	Water	Elutriate Sediment	Water	Elutriate Sediment	Water	Elutriate Sediment
Sand		mg/L	%		<2.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
As	No ERL	ug/L	mg/kg	N/A												
Ba	8.2	ug/L	mg/kg	149												
Cd	No ERL	ug/L	mg/kg	N/A	<2.0	<0.1	<2.0	<0.1	40.2	102.3	42.7	75.4	42.3	58.4	236.7	44.1
Cu	1.2	ug/L	mg/kg	45.62	<10.0	<10.0	<10.0	9.60	3.0	6.6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Pb	81	ug/L	mg/kg	N/A	<1.0	<1.0	<1.0	5.30	4.8	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Cr	34	ug/L	mg/kg	13.5	<5.0	<5.0	<5.0	5.30	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Hg	46.7	ug/L	mg/kg	133	<0.2	<0.1	<0.2	<0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Ni	0.15	ug/L	mg/kg	2.1	<5.0	<5.0	<5.0	5.60	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Mn	20.9	ug/L	mg/kg	118												
Ag	1	ug/L	mg/kg	2												
Se	No ERL	ug/L	mg/kg	564	<2.0	<2.0	<2.0	<0.5	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Zn	150	ug/L	mg/kg	92.7	<5.0	<5.0	<5.0	49.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
TOC	No ERL	mg/L	mg/kg	N/A	10.60	14.20	10.60	<100	7.40	8.95	10.85	17.20	11.10	17.60	446.0	10.70
Total PCB	22.7	ug/L	ug/kg	10	<0.5	<5.0	<0.5	<5.0	<0.50	<0.50	<15.0	<5.0	<0.50	<5.0	<5.0	<5.0
DDT	1.58	ug/L	ug/kg	0.13	<0.02	<0.02	<0.02	<0.2	<0.12	<0.12	<30.0	<10.0	<0.12	<10.0	<10.0	<10.0
Chlordane	0.5	ug/L	ug/kg	0.09	<0.02	<0.02	<0.02	<0.2	<0.14	<0.14	<30.0	<10.0	<0.14	<10.0	<10.0	<10.0
Toxaphene	No ERL	ug/L	ug/kg	0.21	<0.5	<5.0	<0.5	<5.0	<0.50	<0.50	<150.0	<50.0	<0.50	<50.0	<50.0	<50.0
Total PAH	4.022	ug/L	mg/kg	N/A	<5.0	<5.0	<5.0	<5.0	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Naphthalene	160	ug/L	ug/kg	N/A	<2.0	<2.0	<2.0	<50.0	<2.0	<2.0	<90.0	<2.0	<2.0	<2.0	<2.0	<2.0
Acenaphthene	16	ug/L	ug/kg	N/A	<2.0	<2.0	<2.0	<50.0	<2.0	<2.0	<90.0	<2.0	<2.0	<2.0	<2.0	<2.0
Fluoranthene	600	ug/L	ug/kg	N/A	<0.5	<10.0	<0.5	<10.0	<0.50	<0.50	<90.0	<0.50	<0.50	<0.50	<0.50	<0.50
Benzo(a)pyrene	430	ug/L	ug/kg	N/A	<0.5	<10.0	<0.5	<10.0	<0.50	<0.50	<90.0	<0.50	<0.50	<0.50	<0.50	<0.50
Benzo(e)pyrene	No ERL	ug/L	ug/kg	N/A	<0.5	<10.0	<0.5	<10.0	<0.50	<0.50	<90.0	<0.50	<0.50	<0.50	<0.50	<0.50

Source: USACE Database.

TABLE 3.2.8 (Cont'd)
 DETECTED PARAMETERS IN THE HISTORIC DATA
 UPPER BAY
 CORPUS CHRISTI SHIP CHANNEL

Parameter	ERL	Liquid Media Unit	Solid Media Unit	Channel Station: Date: Texas Acute Marine Water Quality Standard	CC-B-95-04 1/12/95 700+00		CC-B-95-05 1/12/95 750+00		CC-B-95-06 1/12/95 800+00		CC-B-95-07 1/12/95 850+00		CC-B-95-08 1/12/95 900+00	
					Water	Elutriate Sediment	Water	Elutriate Sediment	Water	Elutriate Sediment	Water	Elutriate Sediment	Water	Elutriate Sediment
Sand		%			5.4	12	8.4	13.4					12.5	
Silt		%			77.7	55.1	69	65.7					76.7	
Clay		%			16.9	32.9	22.6	20.9					10.8	
D50		mm			0.055	0.053	0.046	0.053					0.055	
Oil & Grease	No ERL	mg/L		N/A										
As	8.2	ug/L		149	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Ba	No ERL	ug/L		N/A	48.2	192.0	173.2	48.7	63.0	59.9	247.0	54.2	226.9	
Cd	1.2	ug/L		45.62	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	
Cr	81	ug/L		N/A	<1.0	<1.0	10.82	<1.0	<1.0	<1.0	17.10	<1.0	15.51	
Cu	34	ug/L		13.5	<1.0	<1.0	7.24	<1.0	<1.0	<1.0	10.08	<1.0	10.42	
Pb	46.7	ug/L		133	<1.0	<1.0	7.20	<1.0	<1.0	<1.0	11.77	<1.0	10.06	
Hg	0.15	ug/L		2.1	<0.2	<0.2	<0.02	<0.2	<0.2	<0.2	<0.02	<0.2	<0.2	
Ni	20.9	ug/L		118	<1.0	<1.0	7.43	<1.0	<1.0	<1.0	11.45	<1.0	10.09	
Ag	1	ug/L		2	<1.0	<1.0	<0.10	<1.0	<1.0	<1.0	<0.10	<1.0	<1.0	
Se	No ERL	ug/L		564	<2.0	<2.0	<0.20	<2.0	<2.0	<2.0	<0.20	<2.0	<2.0	
Zn	150	ug/L		92.7	<1.0	<1.0	50.96	<1.0	<1.0	<1.0	81.25	<1.0	80.30	
TOC	No ERL	mg/L		N/A	12.85	13.65	173.0	14.70	7.80	6.75	6.10	214.0	8.45	
Total PCB	22.7	ug/L		10	<0.50	<0.50	<5.0	<0.50	<5.0	<0.50	<5.0	<5.0	213.0	
DDT	1.58	ug/L		0.13	<0.12	<0.12	<10.0	<0.12	<10.0	<0.12	<10.0	<0.12	<10.0	
Chlordane	0.5	ug/L		0.09	<0.14	<0.14	<10.0	<0.14	<10.0	<0.14	<10.0	<0.14	<10.0	
Toxaphene	No ERL	ug/L		0.21	<0.50	<0.50	<50.0	<0.50	<50.0	<0.50	<50.0	<0.50	<50.0	
Total PAH	4.022	ug/L		N/A	<5.00	<5.00	<0.50	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	
Naphthalene	160	ug/L		N/A	<2.0	<2.0	<30.0	<2.0	<2.0	<2.0	<30.0	<2.0	<2.0	
Acenaphthene	16	ug/L		N/A	<2.0	<2.0	<30.0	<2.0	<2.0	<2.0	<30.0	<2.0	<2.0	
Fluoranthene	600	ug/L		N/A	<0.50	<0.50	<30.0	<0.50	<0.50	<0.50	<30.0	<0.50	<0.50	
Benzo(a)pyrene	430	ug/L		N/A	<0.50	<0.50	<30.0	<0.50	<0.50	<0.50	<30.0	<0.50	<0.50	
Benzo(e)pyrene	No ERL	ug/L		N/A	<0.50	<0.50	<30.0	<0.50	<0.50	<0.50	<30.0	<0.50	<0.50	

Source: USACE Database.

TABLE 3.2.8 (Cont'd)

DETECTED PARAMETERS IN THE HISTORIC DATA
UPPER BAY
CORPUS CHRISTI SHIP CHANNEL

Parameter	ERL	Liquid Media Unit	Solid Media Unit	Channel Station: Texas Acute Maine Water Quality Standard	Station: Date: Channel Station:		CC-B-95-09 1/12/95 950+00		CC-B-95-10 1/12/95 1000+00		CC-B-95-11 1/12/95 1050+00	
					Water	Elutriate Sediment	Water	Elutriate Sediment	Water	Elutriate Sediment	Water	Elutriate Sediment
Sand		%				10.3						11.7
Silt		%				79.7						57.9
Clay		%				10						30.4
D50		mm				0.047						0.056
Oil & Grease	No ERL	mg/L		N/A		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
As	8.2	ug/L		149		51.2	59.0	50.3	64.9	52.0	146.2	260.4
Ba	No ERL	ug/L		N/A		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Cd	1.2	ug/L		45.62		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Cr	81	ug/L		N/A		<1.0	21.53	<1.0	17.23	<1.0	<1.0	17.01
Cu	34	ug/L		13.5		<1.0	<1.0	<1.0	11.04	<1.0	<1.0	11.65
Pb	46.7	ug/L		133		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Hg	0.15	ug/L		2.1		<1.0	<1.0	<1.0	11.58	<1.0	<1.0	13.10
Ni	20.9	ug/L		118		<1.0	<1.0	<1.0	10.14	<1.0	<1.0	10.17
Ag	1	ug/L		2		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Se	No ERL	ug/L		564		<1.0	<1.0	<1.0	94.16	<1.0	<1.0	99.85
Zn	150	ug/L		92.7		11.25	11.65	13.00	12.60	12.55	15.30	189.0
TOC	No ERL	mg/L		N/A		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Total PCB	22.7	ug/L		10		<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12
DDT	1.58	ug/L		0.13		<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
Chlordane	0.5	ug/L		0.09		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Toxaphene	No ERL	ug/L		0.21		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Total PAH	4,022	ug/L		N/A		<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Naphthalene	160	ug/L		N/A		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Acenaphthene	16	ug/L		N/A		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Fluoranthene	600	ug/L		N/A		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Benzo(a)pyrene	430	ug/L		N/A		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Benzo(e)pyrene	No ERL	ug/L		N/A		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50

Source: USACE Database.

TABLE 3.2.8 (Cont'd)
DETECTED PARAMETERS IN THE HISTORIC DATA
UPPER BAY
CORPUS CHRISTI SHIP CHANNEL

Parameter	ERL	Liquid Media Unit	Solid Media Unit	Station: Channel Station: Date: Texas Acute Marine Water Quality Standard	CC-B-95-DA14 1/12/95 668+00		CC-B-95-DA15 1/12/95 775+00		CC-B-95-Ref14 1/12/95 668+00		CC-B-95-Ref15 1/12/95 775+00		CC-B-97-11 11/13/97 1050+00		CC-B-98-01 7/17/98 550+00	
					Water	Elutriate Sediment	Water	Elutriate Sediment	Water	Elutriate Sediment	Water	Elutriate Sediment	Water	Elutriate Sediment	Water	Elutriate Sediment
Sand		%	%		75.00	<0.10	79.00	<0.10	59.50	<0.10	67.90	<0.10	3.50	27.20	27.20	
Silt		%	%		23.10	213.8	18.00	50.7	36.40	45.8	27.70	49.9	17.00	24.90	24.90	
Clay		%	%		1.90	<0.10	3.00	<0.10	4.10	<0.10	4.40	<0.10	79.50	47.90	47.90	
D50		mm	mm		0.16	0.16	0.24	0.57	0.57	0.57	0.95	0.57	0.004	0.008	0.008	
Oil & Grease	No ERL	mg/L	mg/kg	N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	2.92
As	8.2	ug/L	mg/kg	149	46.9	213.8	104.2	50.7	151.4	53.9	221.1	49.9	60.1	294.0	72.6	271
Ba	No ERL	ug/L	mg/kg	N/A	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Cd	1.2	ug/L	mg/kg	45.62	<0.10	8.69	4.68	<0.10	8.04	<0.10	12.39	1.6	<0.10	23.2	<0.10	13.10
Cr	81	ug/L	mg/kg	N/A	<0.10	5.02	3.86	<0.10	5.55	<0.10	9.53	1.9	<0.10	13.3	<0.10	8.94
Cu	34	ug/L	mg/kg	13.5	<0.10	4.46	4.78	<0.10	2.61	<0.10	5.62	<0.10	<0.10	12.1	<0.10	5.24
Pb	46.7	ug/L	mg/kg	133	<0.2	<0.02	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.05
Hg	0.15	ug/L	mg/kg	2.1	<0.10	4.75	2.88	<0.10	4.32	<0.10	6.80	<0.10	<0.10	12.90	<0.10	7.11
Ni	20.9	ug/L	mg/kg	118	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Ag	1	ug/L	mg/kg	2	<0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.47
Se	No ERL	ug/L	mg/kg	564	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Zn	150	ug/L	mg/kg	92.7	<0.10	35.74	23.15	<0.10	37.89	<0.10	68.37	2.4	<0.10	101.0	13.3	50.1
TOC	No ERL	mg/L	mg/kg	N/A	147.0	147.0	118.0	5.10	118.0	16.60	130.0	<0.10	<0.10	69.8	<0.10	10100
Total PCB	22.7	ug/L	ug/kg	10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.00
Chlordane	1.58	ug/L	ug/kg	0.13	<0.12	<0.10	<0.10	<0.12	<0.12	<0.12	<0.12	<0.10	<0.10	<0.10	<0.10	<1.00
Total PAH	0.5	ug/L	ug/kg	0.09	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<10.0
Toxaphene	No ERL	ug/L	ug/kg	0.21	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50.0
Total PAH	4,022	ug/L	mg/kg	N/A	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50.0
Naphthalene	160	ug/L	ug/kg	N/A	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50.0
Acenaphthene	16	ug/L	ug/kg	N/A	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50.0
Fluoranthene	600	ug/L	ug/kg	N/A	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50.0
Benzo(a)pyrene	430	ug/L	ug/kg	N/A	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50.0
Benzo(e)pyrene	No ERL	ug/L	ug/kg	N/A	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<50.0
Total Petrol HC	No ERL	ug/L	mg/kg	N/A												<5.00
Total Volatile Sol	No ERL	%	%	N/A												1.45
Total Sulfides	No ERL	mg/L	mg/kg	N/A												129.0
Ammonia	No ERL	mg/L	mg/kg	N/A												73.80

Source: USACE Database.

TABLE 3.2-8 (Cont'd)
 DETECTED PARAMETERS IN THE HISTORIC DATA
 UPPER BAY
 CORPUS CHRISTI SHIP CHANNEL

Parameter	ERL	Liquid Media Unit	Solid Media Unit	Station: Date: Channel Station:	CC-B-98-02 7/17/98 600+00		CC-B-98-03 7/17/98 650+00		CC-B-98-04 7/17/98 700+00		CC-B-98-05 7/17/98 750+00		CC-B-98-06 7/17/98 800+00		CC-B-98-07 7/17/98 850+00	
					Water	Elutriate	Sediment	Water	Elutriate	Sediment	Water	Elutriate	Sediment	Water	Elutriate	Sediment
Sand			%		11.80		5.40		1.65		1.80		2.30		1.30	
Silt			%		20.20		8.20		15.90		18.10		16.60		13.90	
Clay			%		68.00		86.40		82.45		80.10		81.10		84.80	
D50			mm		0.003		0.002		0.002		0.002		0.002		0.002	
Oil & Grease	No ERL	mg/L	mg/kg	N/A												
As	8.2	ug/L	mg/kg	149	<1.0	<1.0	3.45	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Ba	No ERL	ug/L	mg/kg	N/A	67.5	72.0	233	69.1	153	73.1	72.3	261	71.2	215.0	249	
Cd	1.2	ug/L	mg/kg	45.62	<0.1	<0.10	<0.10	<0.1	<0.10	<0.1	<0.10	0.33	<0.1	<0.10	<0.10	
Cr	81	ug/L	mg/kg	N/A	<1.0	<1.0	13.40	<1.0	<1.0	<1.0	<1.0	15.85	<1.0	<1.0	<1.0	
Cu	34	ug/L	mg/kg	13.5	<1.00	<1.0	10.50	<1.00	<1.0	<1.00	<1.00	11.00	<1.00	<1.0	<1.0	
Pb	46.7	ug/L	mg/kg	133	<1.0	<1.0	5.39	<1.0	<1.0	<1.0	<1.0	6.17	<1.0	<1.0	<1.0	
Hg	0.15	ug/L	mg/kg	2.1	<0.2	0.22	0.05	<0.2	<0.2	<0.2	<0.2	0.04	<0.2	<0.2	<0.2	
Ni	20.9	ug/L	mg/kg	118	<1.0	<1.0	7.52	<1.0	<1.0	<1.0	<1.0	8.69	<1.0	<1.0	<1.0	
Ag	1	ug/L	mg/kg	2	<1.0	<1.0	<0.10	<1.0	<1.0	<1.0	<1.0	<0.10	<1.0	<1.0	<1.0	
Se	150	ug/L	mg/kg	92.7	<1.0	<1.0	<0.20	<1.0	<1.0	<1.0	<1.0	<0.20	<1.0	<1.0	<1.0	
Zn	150	ug/L	mg/kg	92.7	11.1	5.4	54.9	13.1	2.7	39.3	14.2	4.1	68.2	5.0	65.8	
TOC	No ERL	ug/L	mg/kg	N/A	<1.00	<1.00	9460	<1.00	<1.00	<1.00	<1.00	7370	<1.00	<1.00	11300	
Total PCB	22.7	ug/L	ug/kg	10	<0.01	<0.01	<1.00	<0.01	<0.01	<0.01	<0.01	<1.00	<0.01	<0.01	<1.00	
DDT	1.58	ug/L	ug/kg	0.13	<0.10	<0.10	<10.0	<0.10	<0.10	<0.10	<0.10	<10.0	<0.10	<0.10	<10.0	
Chlordane	0.5	ug/L	ug/kg	0.09	<0.14	<0.14	<10.0	<0.14	<0.14	<0.14	<0.14	<10.0	<0.14	<0.14	<10.0	
Toxaphene	No ERL	ug/L	ug/kg	0.21	<0.50	<0.50	<50.0	<0.50	<0.50	<0.50	<0.50	<50.0	<0.50	<0.50	<50.0	
Total PAH	4.022	ug/L	mg/kg	N/A	<5.00	<5.00	<50.0	<5.00	<5.00	<5.00	<5.00	<50.0	<5.00	<5.00	<50.0	
Naphthalene	160	ug/L	ug/kg	N/A	<2.00	<2.0	<20.0	<2.00	<2.0	<2.00	<2.0	<20.0	<2.00	<2.0	<20.0	
Acenaphthene	600	ug/L	ug/kg	N/A	<2.00	<2.0	<20.0	<2.00	<2.0	<2.00	<2.0	<20.0	<2.00	<2.0	<20.0	
Fluoranthene	600	ug/L	ug/kg	N/A	<0.50	<0.50	<20.0	<0.50	<0.50	<0.50	<0.50	<20.0	<0.50	<0.50	<20.0	
Benzo(a)pyrene	430	ug/L	ug/kg	N/A	<0.50	<0.50	<20.0	<0.50	<0.50	<0.50	<0.50	<20.0	<0.50	<0.50	<20.0	
Benzo(e)pyrene	No ERL	ug/L	ug/kg	N/A	<0.50	<0.50	<20.0	<0.50	<0.50	<0.50	<0.50	<20.0	<0.50	<0.50	<20.0	
Total Petrol HC	No ERL	ug/L	mg/kg	N/A	<100	150	39.50	<100	220	<100	<100	30.90	<100	120	<100	
Total Volatile Sol	No ERL	%	mg/kg	N/A	1.56		1.75	1.67	1.67	1.81	1.81	1.66	1.66	1.83		
Total Sulfides	No ERL	mg/L	mg/kg	N/A	17.5		37.0	116.0	116.0	32.1	32.1	278.0	278.0	21.2		
Ammonia	No ERL	mg/L	mg/kg	N/A	0.06	0.57	19.00	0.05	0.45	0.03	<0.03	1.80	0.04	2.61	<0.03	
							26.50		21.35		5.64		96.80		24.80	

Source: USACE Database.

TABLE 3.2-8 (Cont'd)
DETECTED PARAMETERS IN THE HISTORIC DATA
UPPER BAY
CORPUS CHRISTI SHIP CHANNEL

Parameter	ERL	Liquid Media Unit	Solid Media Unit	Station, Date Channel Station	CC-B-98-08 7/17/98 900+00		CC-B-98-09 7/17/98 950+00		CC-B-98-10 7/17/98 1000+00		CC-B-98-11 7/17/98 1050+00		CC-B-98-PA14 7/17/98 668+00		CC-B-98-PA15 7/17/98 775+00	
					Water	Elutriate	Sediment	Water	Elutriate	Sediment	Water	Elutriate	Sediment	Water	Elutriate	Sediment
Sand		%	%		1.10	2.10	1.60	1.60	0.70	30.7	14.4	30.7	14.4			
Silt		%	%		12.90	29.80	20.60	20.60	12.80	23.8	46.1	23.8	46.1			
Clay		%	%		86.00	68.10	77.80	77.80	86.50	45.5	39.5	45.5	39.5			
D50		mm	mm		0.002	0.002	0.002	0.002	0.002	0.016	0.032	0.016	0.032			
Oil & Grease	No ERL	mg/L	mg/kg	N/A												
As	8.2	ug/L	mg/kg	149	<1.0	<1.0	4.45	<1.0	<1.0	4.84	<1.0	<1.0	4.61	<1.00	4.83	
Ba	No ERL	ug/L	mg/kg	N/A	69.9	123.0	259	76.3	247.0	244	80.5	279.0	185	70.1	221	
Cd	1.2	ug/L	mg/kg	45.62	<0.1	<0.10	0.45	<0.1	<0.10	4.04	<0.1	<0.10	0.59	<0.10	0.23	
Cr	81	ug/L	mg/kg	N/A	<1.0	<1.0	14.10	<1.0	<1.0	13.40	<1.0	<1.0	17.80	<1.0	10.00	
Cu	34	ug/L	mg/kg	13.5	<1.00	<1.00	10.20	<1.00	2.08	9.66	<1.00	<1.00	13.80	<1.00	8.06	
Pb	46.7	ug/L	mg/kg	133	<1.0	<1.0	6.29	<1.0	<1.0	6.00	<1.0	<1.0	7.58	<1.0	4.15	
Hg	0.15	ug/L	mg/kg	2.1	<0.2	<0.2	0.13	<0.2	<0.2	0.10	<0.2	<0.2	0.13	<0.20	0.06	
Ni	20.9	ug/L	mg/kg	118	<1.0	<1.0	8.10	<1.0	<1.0	8.17	<1.0	<1.0	9.46	<1.00	5.19	
Ag	1	ug/L	mg/kg	2	<1.0	<1.0	<0.10	<1.0	<1.0	<0.10	<1.0	<1.0	<0.10	<1.00	<0.10	
Se	No ERL	ug/L	mg/kg	92.7	<1.0	<1.0	<0.20	<1.0	<1.0	<0.20	<1.0	<1.0	<0.20	<1.00	<0.20	
Zn	150	ug/L	mg/kg	564	7.5	3.2	72.7	13.0	3.1	74.7	8.3	4.3	69.0	18.2	47.3	
TOC	No ERL	mg/L	mg/kg	N/A	<1.00	<1.00	181.00	<1.00	<1.00	122.00	<1.00	<1.00	536.0	<1.00	544.0	
Total PCB	22.7	ug/L	ug/kg	10	<0.01	<0.01	<1.00	<0.01	<0.01	<1.00	<0.01	<0.01	<1.00	<0.01	<1.00	
DDT	1.58	ug/L	ug/kg	0.13	<0.10	<0.10	<1.00	<0.10	<0.10	<1.00	<0.10	<0.10	<1.00	<0.10	<1.00	
Chlordane	0.5	ug/L	ug/kg	0.09	<0.14	<0.14	<1.00	<0.14	<0.14	<1.00	<0.14	<0.14	<1.00	<0.14	<1.00	
Toxaphene	No ERL	ug/L	ug/kg	0.21	<0.50	<0.50	<5.00	<0.50	<0.50	<5.00	<0.50	<0.50	<5.00	<0.50	<5.00	
Total PAH	4,022	ug/L	mg/kg	N/A	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	
Naphthalene	160	ug/L	ug/kg	N/A	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	
Acenaphthene	16	ug/L	ug/kg	N/A	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	
Fluoranthene	600	ug/L	ug/kg	N/A	<0.50	<0.50	<2.00	<0.50	<0.50	<2.00	<0.50	<0.50	<2.00	<0.50	<2.00	
Benzo(a)pyrene	430	ug/L	ug/kg	N/A	<0.50	<0.50	<2.00	<0.50	<0.50	<2.00	<0.50	<0.50	<2.00	<0.50	<2.00	
Benzo(e)pyrene	No ERL	ug/L	ug/kg	N/A	<0.50	<0.50	<2.00	<0.50	<0.50	<2.00	<0.50	<0.50	<2.00	<0.50	<2.00	
Total Petrol HC	No ERL	ug/L	mg/kg	N/A	<1.00	<1.00	66.20	<1.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	<5.00	
Total Volatile Sol	No ERL	%	%	N/A	1.56	1.61	100.0	1.72	1.73	295.0	1.80	1.82	1.80	1.82	1.82	
Total Sulfides	No ERL	mg/L	mg/kg	N/A	21.9	100.0	242.0	242.0	295.0	21.7	<10.0	21.7	<10.0	<10.0	<10.0	
Ammonia	No ERL	mg/L	mg/kg	N/A	<0.03	<0.03	40.80	<0.03	<0.03	70.50	<0.03	<0.03	81.30	<0.03	10.30	

Source: USACE Database.

TABLE 3.2-8 (Cont'd)
DETECTED PARAMETERS IN THE HISTORIC DATA
UPPER BAY
CORPUS CHRISTI SHIP CHANNEL

Parameter	ERL	Liquid Media Unit	Solid Media Unit	Channel Station, Date	CC-B-98-PA16 7/17/98 838+00		CC-B-98-PA17 7/17/98 927+00		CC-B-98-REF14 7/17/98 668+00		CC-B-98-REF15 7/17/98 775+00		CC-B-98-REF16 7/17/98 838+00	
					Water	Elutriate Sediment	Water	Elutriate Sediment	Water	Elutriate Sediment	Water	Elutriate Sediment	Water	Elutriate Sediment
Sand		%			28.8	75.4								0.6
Silt		%			25.0	0.5								3.7
Clay		%			46.2	24.1								95.7
D50		mm			0.017	1.14								0.002
Oil & Grease	No ERL	mg/L												
As	8.2	ug/L		N/A	3.82	2.79								4.03
Ba	No ERL	mg/kg		149	189	136								264
Cd	1.2	ug/L		45.62	0.23	<0.10								0.49
Cr	81	ug/L		N/A	9.49	8.76								16.70
Cu	34	ug/L		13.5	7.03	<1.00								12.30
Pb	46.7	ug/L		133	4.01	<1.00								7.25
Hg	0.15	ug/L		2.1	0.06	<0.20								0.08
Ni	20.9	ug/L		118	5.65	<1.00								16.4
Ag	1	ug/L		2	<1.00	<1.00								<0.10
Se	No ERL	ug/L		564	<0.20	<0.20								<0.20
Zn	150	ug/L		92.7	50.6	14.1								82.5
TOC	No ERL	mg/L		N/A	6990	<1.00								16800
Total PCB	22.7	ug/L		10	<1.00	<1.00								<1.00
DDT	1.58	ug/L		0.13	<10.0	<10.0								<10.0
Chlordane	0.5	ug/L		0.09	<10.0	<0.14								<10.0
Toxaphene	No ERL	ug/L		0.21	<50.0	<50.0								<50.0
Total PAH	4.022	ug/L		N/A	<50.0	<50.0								<50.0
Naphthalene	160	ug/L		N/A	<20.0	<2.00								<20.0
Acenaphthene	16	ug/L		N/A	<20.0	<2.00								<20.0
Fluoranthene	600	ug/L		N/A	<20.0	<0.50								<20.0
Benzo(a)pyrene	430	ug/L		N/A	<20.0	<0.50								<20.0
Benzo(e)pyrene	No ERL	ug/L		N/A	<20.0	<0.50								<20.0
Total Petrol HC	No ERL	ug/L		N/A	21.30	<100								49.40
Total Volatile Sol	No ERL	%		N/A	1.55	<10.0								1.57
Total Sulfides	No ERL	mg/L		N/A	<10.0	<10.0								44.4
Ammonia	No ERL	mg/L		N/A	13.70	<0.03								134.00

Source: USACE Database.

TABLE 3.2-8 (Concluded)
 DETECTED PARAMETERS IN THE HISTORIC DATA
 UPPER BAY
 CORPUS CHRISTI SHIP CHANNEL

Parameter	ERL	Liquid Media Unit	Solid Media Unit	Texas Acute Marine Water Quality Standard	Station: CC-B-98-REF17	
					Date: 7/17/98	Channel Station: 927+00
					Water	Elutriate Sediment
Sand		%				21.7
Silt		%				25.2
Clay		%				53.1
D50		mm				0.003
Oil & Grease	No ERL	mg/L		N/A	<1.00	<1.00
As	8.2	ug/L		149	73.8	76.8
Ba	No ERL	ug/L		N/A	<0.10	0.27
Cd	1.2	ug/L		45.62	<1.0	<1.0
Cr	81	ug/L		N/A	<1.00	10.30
Cu	34	ug/L		13.5	<1.0	7.82
Pb	46.7	ug/L		133	<0.20	0.07
Hg	0.15	ug/L		2.1	<1.00	5.91
Ni	20.9	ug/L		118	<1.00	<0.10
Ag	1	ug/L		2	<1.00	<0.20
Se	No ERL	ug/L		564	<1.00	55.5
Zn	150	ug/L		92.7	12.4	3.4
TOC	No ERL	mg/L		N/A	<1.00	7170
Total PCB	22.7	ug/L		10	<0.01	<1.00
DDT	1.58	ug/L		0.13	<0.10	<10.0
Chlordane	0.5	ug/L		0.09	<0.14	<10.0
Toxaphene	No ERL	ug/L		0.21	<0.50	<50.0
Total PAH	4.022	ug/L		N/A	<5.00	<0.50
Naphthalene	160	ug/L		N/A	<2.00	<20.0
Acenaphthene	16	ug/L		N/A	<2.00	<20.0
Fluoranthene	600	ug/L		N/A	<0.50	<20.0
Benzo(a)pyrene	430	ug/L		N/A	<0.50	<20.0
Benzo(e)pyrene	No ERL	ug/L		N/A	<0.50	<20.0
Total Petrol HC	No ERL	ug/L		N/A	<100	<5.00
Total Volatile Sol	No ERL	%		N/A		1.85
Total Sulfides	No ERL	mg/L		N/A	<0.03	<10.0
Ammonia	No ERL	mg/L		N/A	<0.03	22.30

Source: USACE Database.

TABLE 3.2-9
SUMMARY OF BIOASSAY DATA FOR MAINTENANCE MATERIAL (% Survival)
UPPER BAY
CORPUS CHRISTI SHIP CHANNEL

Date	Organism	Station: Channel Station:		MT-1 600+00		MT-2 800+00		MT-3 1000+00	
		Liquid Phase	Suspended Particulate Phase	Liquid Phase	Suspended Particulate Phase	Liquid Phase	Suspended Particulate Phase	Liquid Phase	Suspended Particulate Phase
1982	<i>Menidia beryllina</i>	77	100	100	93	100	100	100	100
	<i>Mysidopsis almyra</i>	60	90	93	70	100	100	90	90
	<i>Palaemonetes pugio</i>	93	97	93	87	93	97	93	94
	<i>Mercenaria mercenaria</i>								100
	<i>Neris virens</i>		89		89		90		89

Source: Tereco, 1982a.

TABLE 3.2-10
DETECTED PARAMETERS IN THE HISTORIC DATA
INNER HARBOR
CORPUS CHRISTI SHIP CHANNEL

Parameter	ERL	Liquid Media Unit	Solid Media Unit	Station: Date: Channel Station:	CC-TB-83-01 1/12/1983 1100+00		CC-TB-83-02 1/12/1983 1150+00		CC-TB-83-03 1/12/1983 1200+00		CC-TB-88-01 2/24/1988 1100+00		CC-TB-88-02 2/24/1988 1150+00		CC-TB-88-03 2/24/1988 1200+00										
					Water	Elutriate	Sediment	Water	Elutriate	Sediment	Water	Elutriate	Sediment	Water	Elutriate	Sediment	Water	Elutriate	Sediment						
Sand			%		3.2	3.0	73.8	1.3	1.2	58.8	<1.0	2.2	75.5	1.05	1.87	214.02	3.61	2.25	63.09	2.89	2.39	160.18			
Silt			%				37.55						19.03						42.4						
Clay			%				62.07						78.68						17.31						
D50			mm				0.004						0.003						0.027405						
Oil & Grease	No ERL		mg/kg	N/A			3.2	3.0	73.8	1.3	1.2	58.8	<1.0	2.2	75.5	1.05	1.87	214.02	3.61	2.25	63.09	2.89	2.39	160.18	
As	8.2	ug/L	mg/kg	149		9.0	9.0	12.0	3.47	2.98			10.0	16.0	2.79	<2.0	<2.0	1.13	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	
Ba	No ERL		mg/kg	N/A																					
Cd	1.2	ug/L	mg/kg	45.62			<2.00	<2.00	<0.50	<0.50	<2.00	<2.00	6.59	<2.00	<0.1	<2.00	<2.00	<0.1	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	
Cr	81	ug/L	mg/kg	N/A			<10.00	<10.00	7.11	7.11	<10.00	<10.00	14.52	<10.00	11.80	<10.00	11.80	11.80	15.02	<10.00	<10.00	<10.00	<10.00	<10.00	
Cu	34	ug/L	mg/kg	13.5			<1.00	<1.00	6.61	6.61	<1.00	<1.00	12.65	<1.00	6.0	6.4	4.24	3.6	6.56	7.6	1.8	6.39	1.8	6.39	
Pb	46.7	ug/L	mg/kg	133			<10.00	<10.00	9.1	9.1	<10.00	<10.00	18.1	<10.00	<5.0	<5.0	12.68	<5.0	13.12	<5.0	<5.0	<5.0	<5.0	12.50	
Hg	0.15	ug/L	mg/kg	2.1			<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.2	<0.2	<0.10	<0.2	<0.10	<0.2	<0.2	<0.2	<0.2	<0.10	
Ni	20.9	ug/L	mg/kg	118			<20.00	<20.00	<5.00	<5.00	<20.00	<20.00	<5.00	<20.00	50.8	47.4	4.05	44.0	3.94	42.0	50.6	4.04	42.0	50.6	
Ag	1	ug/L	mg/kg	2			<20.00	<20.00			<20.00	<20.00	<5.00	<20.00	<2.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	
Se	No ERL		mg/kg	564			<20.00	<20.00	51.63	51.63	<20.00	<20.00	164.16	<20.00	9.6	45.12	<1.0	<2.0	<5.0	64.62	40.8	7.0	66.29	<2.0	
Zn	150	ug/L	mg/kg	92.7			<0.50	<0.50			<0.50	<0.50		<0.50											
TOC	No ERL		mg/kg	N/A			<0.50	<0.50	<10.00	<10.00	<0.50	<10.00	<10.00	<0.50	<10.00	<10.00	<0.50	<10.00	<10.00	<0.50	<0.50	<0.50	<0.50	<0.50	
Total PCB	22.7	ug/L	ug/kg	10			<0.02	<0.50	<10.00	<10.00	<0.02	<10.00	<10.00	<0.02	<10.00	<10.00	<0.02	<10.00	<10.00	<0.02	<0.02	<0.02	<0.02	<0.02	
DDT	1.58	ug/L	ug/kg	0.13			<0.05	<0.50	<10.00	<10.00	<0.05	<10.00	<10.00	<0.05	<10.00	<10.00	<0.05	<10.00	<10.00	<0.05	<0.05	<0.05	<0.05	<0.05	
Chlordane	0.5	ug/L	ug/kg	0.09			<0.50	<10.00	<10.00	<10.00	<0.50	<10.00	<10.00	<0.50	<10.00	<10.00	<0.50	<10.00	<10.00	<0.50	<0.50	<0.50	<0.50	<0.50	
Toxaphene	No ERL		ug/kg	0.21			<0.50	<10.00	<10.00	<10.00	<0.50	<10.00	<10.00	<0.50	<10.00	<10.00	<0.50	<10.00	<10.00	<0.50	<0.50	<0.50	<0.50	<0.50	
Total PAH	4.022	ug/L	mg/kg	N/A			<0.50	<10.00	<10.00	<10.00	<0.50	<10.00	<10.00	<0.50	<10.00	<10.00	<0.50	<10.00	<10.00	<0.50	<0.50	<0.50	<0.50	<0.50	
Naphthalene	160	ug/L	ug/kg	N/A			<0.50	<10.00	<10.00	<10.00	<0.50	<10.00	<10.00	<0.50	<10.00	<10.00	<0.50	<10.00	<10.00	<0.50	<0.50	<0.50	<0.50	<0.50	
Acenaphthene	16	ug/L	ug/kg	N/A			<0.50	<10.00	<10.00	<10.00	<0.50	<10.00	<10.00	<0.50	<10.00	<10.00	<0.50	<10.00	<10.00	<0.50	<0.50	<0.50	<0.50	<0.50	
Fluoranthene	600	ug/L	ug/kg	N/A			<0.50	<10.00	<10.00	<10.00	<0.50	<10.00	<10.00	<0.50	<10.00	<10.00	<0.50	<10.00	<10.00	<0.50	<0.50	<0.50	<0.50	<0.50	
Benzo(a)pyrene	430	ug/L	ug/kg	N/A			<0.50	<10.00	<10.00	<10.00	<0.50	<10.00	<10.00	<0.50	<10.00	<10.00	<0.50	<10.00	<10.00	<0.50	<0.50	<0.50	<0.50	<0.50	
Benzo(e)pyrene	No ERL		ug/kg	N/A			<0.50	<10.00	<10.00	<10.00	<0.50	<10.00	<10.00	<0.50	<10.00	<10.00	<0.50	<10.00	<10.00	<0.50	<0.50	<0.50	<0.50	<0.50	
Ammonia	No ERL		mg/L	N/A			5.20	0.11	41.30	81.04	11.00	0.13	44.84	11.00	0.13	44.84	11.00	0.13	44.84	11.00	0.13	44.84	11.00	0.13	44.84

Source: USACE Database.

TABLE 3.2-10 (Cont'd)
 DETECTED PARAMETERS IN THE HISTORIC DATA
 INNER HARBOR
 CORPUS CHRISTI SHIP CHANNEL

Parameter	ERL	Liquid Media Unit	Solid Media Unit	Texas Acute Marine Water Quality Standard	Station: Date: Channel Station:		CC-TB-91-01 8/22/1991 1100+00		CC-TB-91-02 8/22/1991 1150+00		CC-TB-91-03 8/22/1991 1200+00		CC-TB-94-01 3/16/1994 1100+00	
					Water	Elutriate	Sediment	Water	Elutriate	Sediment	Water	Elutriate	Sediment	Water
Sand		%				22.9		0.9		60.2		12.0		
Silt		%				39.4		41.1		11.9		59.0		
Clay		%				37.7		58.0		27.9		29.0		
D50		mm				0.011		0.003		0.21		0.06		
Oil & Grease	No ERL	mg/L		N/A		<2.0	<2.0	<1.0	<2.0	<2.0	<2.0	<1.0	<1.0	<0.50
As	8.2	ug/L		149		<2.00	<2.0	<0.1	<2.00	<2.0	<0.1	<0.50	44.9	86.4
Ba	No ERL	ug/L		N/A		<10.00	<10.0	<0.1	<10.00	<10.0	<0.1	<0.50	<0.10	<0.10
Cd	1.2	ug/L		45.62		<1.0	<1.0	6.30	<1.0	<1.0	10.60	2.2	3.3	16.00
Cr	81	ug/L		N/A		<1.0	<1.0	3.40	<1.0	<1.0	6.70	2.8	<1.0	12.00
Cu	34	ug/L		13.5		<5.0	<5.0	7.50	<5.0	<5.0	7.80	<1.0	<1.0	19.00
Pb	46.7	ug/L		133		<0.2	<0.2	<0.10	<0.2	<0.2	<0.10	<0.2	<0.2	<0.05
Hg	0.15	ug/L		2.1		<5.0	<5.0	2.30	<5.0	<5.0	3.20	<1.0	<1.0	10.00
Ni	20.9	ug/L		118		<2.0	<2.0	<0.5	<2.0	<2.0	<0.5	<1.0	<1.0	<0.50
Ag	1	ug/L		2		<2.0	<2.0	<0.5	<2.0	<2.0	<0.5	<2.0	<2.0	<1.00
Se	No ERL	ug/L		564		8.0	29.0	31.1	8.0	14.0	31.1	10.0	55.7	<1.0
Zn	150	ug/L		92.7		6.80	17.90	<100	8.30	21.90	<100	8.80	14.60	1.25
TOC	No ERL	mg/L		N/A		<0.5	<0.5	<5.0	<0.5	<0.5	<5.0	<0.5	<0.5	<0.50
Total PCB	22.7	ug/L		10		<0.02	<0.02	<0.2	<0.02	<0.02	<0.2	<0.02	<0.12	<0.12
DDT	1.58	ug/L		0.13		<0.02	<0.02	<0.2	<0.02	<0.02	<0.2	<0.02	<0.14	<0.14
Chlordane	0.5	ug/L		0.09		<0.5	<0.5	<5.0	<0.5	<0.5	<5.0	<0.5	<0.50	<0.50
Toxaphene	No ERL	ug/L		0.21		<5.0	<5.0	<0.5	<5.0	<5.0	<0.5	<5.0	<5.00	<5.00
Total PAH	4,022	ug/L		N/A		<2.0	<2.0	<50.0	<2.0	<2.0	<50.0	<2.0	<2.0	<2.0
Naphthalene	160	ug/L		N/A		<2.0	<2.0	<50.0	<2.0	<2.0	<50.0	<2.0	<2.0	<2.0
Acenaphthene	16	ug/L		N/A		<2.0	<2.0	<50.0	<2.0	<2.0	<50.0	<2.0	<2.0	<2.0
Fluoranthene	600	ug/L		N/A		<0.5	<0.5	24.0	<0.5	<0.5	16.0	<0.50	<0.50	<0.50
Benzo(a)pyrene	430	ug/L		N/A		<0.5	<0.5	<10.0	<0.5	<0.5	80.0	<0.50	<0.50	<0.50
Benzo(e)pyrene	No ERL	ug/L		N/A		<0.5	<0.5	<10.0	<0.5	<0.5	80.0	<0.50	<0.50	<0.50
Ammonia	No ERL	mg/L		N/A										

Source: USACE Database.

TABLE 3.2-10 (Cont'd)
 DETECTED PARAMETERS IN THE HISTORIC DATA
 INNER HARBOR
 CORPUS CHRISTI SHIP CHANNEL

Parameter	ERL	Liquid Media Unit	Solid Media Unit	Texas Acute Marine Water Quality Standard	Station: Date: Channel Station:		CC-TB-94-02 3/16/1994 1150+00		CC-TB-94-03 3/16/1994 1200+00		CC-TB-94-04 3/16/1994 1250+00		CC-TB-94-05 3/16/1994 1300+00		CC-TB-94-06 3/16/1994 1350+00		CC-TB-94-07 3/16/1994 1400+00		
					Water	Elutriate	Sediment	Water	Elutriate	Sediment	Water	Elutriate	Sediment	Water	Elutriate	Sediment	Water	Elutriate	Sediment
Sand		%			19.4		59.7		78		53.3		53.3		30.5		56.7		56.7
Silt		%			56.9		19.4		16.9		36.6		36.6		50.6		29.7		29.7
Clay		%			23.7		20.9		5.1		10.1		10.1		18.9		11.6		11.6
D50		mm			0.055		0.129		0.263		0.145		0.145		0.044		0.144		0.144
Oil & Grease	No ERL	mg/L		N/A	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<0.50
As	8.2	ug/L		149	47.0	127.0	157.0	109.0	36.8	109.0	36.8	109.0	202.0	327.0	61.9	381.0	49.7	68.4	86.0
Ba	No ERL	ug/L		N/A	<0.10	<0.50	<0.10	<0.50	<0.10	<0.50	<0.10	<0.50	<0.10	<0.50	<0.10	<0.50	<0.10	<0.50	<0.50
Cd	1.2	ug/L		45.62	<1.0	3.0	3.6	17.00	3.2	3.9	11.10	4.4	19.70	3.8	23.30	4.9	7.31		
Cr	81	ug/L		N/A	<1.0	3.0	9.30	16.00	2.9	<1.0	17.80	3.3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Cu	34	ug/L		13.5	3.1	<1.0	80.00	13.5	<1.0	<1.0	10.40	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	20.30
Pb	46.7	ug/L		133	<1.0	10.40	17.80	10.40	<1.0	10.40	5.00	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	13.30
Hg	0.15	ug/L		2.1	<0.2	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.2	<0.2	<0.05	<0.2	<0.05	<0.2	<0.2	<0.05
Ni	20.9	ug/L		118	<1.0	5.37	7.10	5.00	<1.0	5.00	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	4.70
Ag	1	ug/L		2	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50
Se	No ERL	ug/L		564	<2.0	<1.00	<1.00	<1.00	<2.0	<1.00	<1.00	<2.0	<2.0	<1.00	<2.0	<1.00	<2.0	<2.0	<1.00
Zn	150	ug/L		92.7	<1.0	61.1	122.0	102.0	<1.0	102.0	<1.0	<1.0	<1.0	<1.00	392.0	<1.0	<1.0	<1.0	125.0
TOC	No ERL	ug/L		N/A	1.00	196.0	819.0	502.0	1.00	502.0	1.00	502.0	1.00	681.0	592.0	9.90	7.25	7.90	187.0
Total PCB	22.7	ug/L		10	<0.50	<0.12	<15.0	<15.0	<0.50	<0.12	<15.0	<0.50	<0.50	<0.12	<15.0	<0.50	<0.50	<0.12	<15.0
DDT	1.58	ug/L		0.13	<0.12	<0.14	<30.0	<30.0	<0.12	<0.14	<30.0	<0.12	<0.14	<30.0	<0.12	<30.0	<0.12	<0.14	<30.0
Chlordane	0.5	ug/L		0.09	<0.14	<0.50	<30.0	<30.0	<0.14	<0.50	<30.0	<0.14	<0.50	<30.0	<0.14	<30.0	<0.14	<0.50	<30.0
Toxaphene	No ERL	ug/L		0.21	<0.50	<150.0	<150.0	<150.0	<0.50	<5.00	<150.0	<0.50	<5.00	<150.0	<0.50	<150.0	<0.50	<5.00	<150.0
Total PAH	4.022	ug/L		N/A	<5.00	<2.0	<1.50	<1.50	<5.00	<2.0	<1.50	<5.00	<2.0	<1.50	<5.00	<2.0	<1.50	<5.00	<150.0
Naphthalene	160	ug/L		N/A	<2.0	<90.0	<90.0	<90.0	<2.0	<90.0	<2.0	<90.0	<2.0	<90.0	<2.0	<90.0	<2.0	<2.0	<90.0
Acenaphthene	16	ug/L		N/A	<2.0	<90.0	<90.0	<90.0	<2.0	<90.0	<2.0	<90.0	<2.0	<90.0	<2.0	<90.0	<2.0	<2.0	<90.0
Fluoranthene	600	ug/L		N/A	<0.50	<90.0	<90.0	<90.0	<0.50	<90.0	<0.50	<90.0	<0.50	<90.0	<0.50	<90.0	<0.50	<0.50	<90.0
Benzo(a)pyrene	430	ug/L		N/A	<0.50	<96.0	<96.0	<96.0	<0.50	<96.0	<0.50	<96.0	<0.50	<96.0	<0.50	<96.0	<0.50	<0.50	<96.0
Benzo(e)pyrene	No ERL	ug/L		N/A	<0.50	<90.0	<90.0	<90.0	<0.50	<90.0	<0.50	<90.0	<0.50	<90.0	<0.50	<90.0	<0.50	<0.50	<90.0
Aldrin	No ERL	ug/L		1.3															
Dieldrin	0.02	ug/L		0.71															
Heptachlor	No ERL	ug/L		0.053															
Hexachlorocyclohexane	No ERL	ug/L		0.16															
Ammonia	No ERL	mg/L		N/A															

Source: USACE Database.

TABLE 3.2-10 (Cont'd)
DETECTED PARAMETERS IN THE HISTORIC DATA
INNER HARBOR
CORPUS CHRISTI SHIP CHANNEL

Parameter	ERL	Liquid Media Unit	Solid Media Unit	Texas Acute Marine Water Quality Standard	Station: Date: Channel Station:		CC-TB-94-08 3/16/1994 1450+00		CC-TB-94-09 3/16/1994 1500+00		CC-TB-94-10 3/16/1994 1550+00		CC-TB-97-01 11/13/1997 1100+00	
					Water	Elutriate Sediment	Water	Elutriate Sediment	Water	Elutriate Sediment	Water	Elutriate Sediment	Water	Elutriate Sediment
Sand		%			10.5		22.3		22.7		22.7		2.8	
Silt		%			41.3		68.1		68.4		68.4		9.9	
Clay		%			48.2		9.6		8.9		8.9		87.3	
D50		mm			0.006		0.043		0.056		0.056		0.003	
Oil & Grease	No ERL	mg/L		N/A	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
As	8.2	ug/L		149	46.8	29.0	121.0	56.8	42.7	176.0	52.6	97.6	47.0	102.0
Ba	No ERL	ug/L		N/A	<0.10	<0.10	<0.50	<0.10	<0.10	<0.50	<0.10	<0.10	<0.10	<0.10
Cd	1.2	ug/L		45.62	3.7	3.9	13.10	1.5	6.3	18.10	1.4	5.8	2.9	<1.0
Cr	81	ug/L		N/A	4.1	<1.0	14.00	3.1	<1.0	28.30	4.8	<1.0	1.7	<1.0
Cu	34	ug/L		13.5	<1.0	<1.0	18.00	<1.0	<1.0	15.00	<1.0	<1.0	<1.0	<1.0
Pb	46.7	ug/L		133	<0.2	<0.2	<0.05	<0.2	<0.2	<0.05	<0.2	<0.2	<0.2	<0.2
Hg	0.15	ug/L		2.1	<1.0	<1.0	7.29	<1.0	<1.0	9.40	<1.0	<1.0	<1.0	<1.0
Ni	20.9	ug/L		118	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	<1.0
Ag	1	ug/L		2	<2.0	<2.0	<1.00	<2.0	<2.0	<1.00	<2.0	<2.0	<1.0	<1.0
Se	No ERL	ug/L		564	<1.0	<1.0	<1.00	<1.0	<1.0	<1.00	<1.0	<1.0	<1.0	<1.0
Zn	150	ug/L		92.7	4.65	6.85	27.0	1.35	8.95	214.0	12.10	248.0	5.3	1.9
TOC	No ERL	mg/L		N/A	<0.50	<0.5	<15.0	<0.50	<0.5	<15.0	<0.50	<0.5	<1.00	<1.00
Total PCB	22.7	ug/L		10	<0.12	<0.12	<30.0	<0.12	<0.12	<30.0	<0.12	<0.12	<0.10	<0.10
DDT	1.58	ug/L		0.13	<0.14	<0.14	<30.0	<0.14	<0.14	<30.0	<0.14	<0.14	<0.14	<0.14
Chlordane	0.5	ug/L		0.09	<0.50	<0.50	<150.0	<0.50	<0.50	<150.0	<0.50	<0.50	<0.50	<0.50
Toxaphene	No ERL	ug/L		0.21	<5.00	<5.00	<1.50	<5.00	<5.00	<1.50	<5.00	<5.00	<5.00	<5.00
Total PAH	4,022	ug/L		N/A	<2.0	<2.0	<90.0	<2.0	<2.0	<90.0	<2.0	<2.0	<2.0	<2.0
Naphthalene	160	ug/L		N/A	<2.0	<2.0	<90.0	<2.0	<2.0	<90.0	<2.0	<2.0	<2.0	<2.0
Acenaphthene	16	ug/L		N/A	<2.0	<2.0	<90.0	<2.0	<2.0	<90.0	<2.0	<2.0	<2.0	<2.0
Fluoranthene	600	ug/L		N/A	<0.50	<0.50	<90.0	<0.50	<0.50	<90.0	<0.50	<0.50	<0.50	<0.50
Benzo(a)pyrene	430	ug/L		N/A	<0.50	<0.50	276.0	<0.50	<0.50	211.0	<0.50	<0.50	<0.50	<0.50
Benzo(e)pyrene	No ERL	ug/L		N/A	<0.50	<0.50	<90.0	<0.50	<0.50	<90.0	<0.50	<0.50	<0.50	<0.50
Aldrin	No ERL	ug/L		1.3										
Dieldrin	0.02	ug/L		0.71										
Heptachlor	No ERL	ug/L		0.053										
Hexachlorocyclohexane	No ERL	ug/L		0.16										
Ammonia	No ERL	mg/L		N/A										

Source: USACE Database.

TABLE 3.2-10 (Cont'd)
 DETECTED PARAMETERS IN THE HISTORIC DATA
 INNER HARBOR
 CORPUS CHRISTI SHIP CHANNEL

Parameter	ERL	Liquid Media Unit	Solid Media Unit	Texas Acute Marine Water Quality Standard	Station: Date: Channel Station:		CC-TB-97-02 11/13/1997 1150+00		CC-TB-97-03 11/13/1997 1200+00		CC-TB-97-04 11/13/1997 1250+00		CC-TB-97-05 11/13/1997 1300+00		CC-TB-97-06 11/13/1997 1350+00		CC-TB-97-07 11/13/1997 1400+00		
					Water	Elutriate	Sediment	Water	Elutriate	Sediment	Water	Elutriate	Sediment	Water	Elutriate	Sediment	Water	Elutriate	Sediment
Sand			%			5.6		38.6		10.6		74.9				52.7			37.0
Silt			%			33.4		11.3		25.5		17.8				28.2			49.6
Clay			%			61.0		50.1		63.9		7.3				19.1			13.4
D50			mm			0.005		0.005		0.003		0.161				0.078			0.031
Oil & Grease	No ERL	mg/L	mg/kg	N/A		5.52		4.63		4.24		2.19				2.97			3.02
As	8.2	ug/L	mg/kg	149		285.0		403.0		81.7		109.0				180.0			150.0
Ba	No ERL	ug/L	mg/kg	N/A		4.47		4.54		2.47		2.40				4.25			3.64
Cd	1.2	ug/L	mg/kg	45.62		27.2		28.1		1.3		14.9				14.5			15.3
Cr	81	ug/L	mg/kg	N/A		2.0		14.1		1.4		13.0				74.1			30.1
Cu	34	ug/L	mg/kg	13.5		2.2		1.6		1.4		1.0				2.2			1.4
Pb	46.7	ug/L	mg/kg	133		<1.0		9.3		<1.0		10.7				<1.0			19.2
Hg	0.15	ug/L	mg/kg	2.1		<0.20		0.06		<0.20		0.17				<0.20			0.30
Ni	20.9	ug/L	mg/kg	118		<1.0		15.10		<1.0		7.47				<1.0			8.19
Ag	1	ug/L	mg/kg	2		<1.0		<1.0		<1.0		<1.0				<1.0			<0.10
Se	No ERL	ug/L	mg/kg	564		<1.0		<1.0		<1.0		<1.0				<1.0			<0.20
Zn	150	ug/L	mg/kg	92.7		6.4		114.0		8.3		4.0				8.4			<0.20
TOC	No ERL	mg/L	mg/kg	N/A		<1.0		175.0		<1.0		<1.0				<1.0			139.0
Total PCB	22.7	ug/L	ug/kg	10		<0.01		<1.00		<0.01		<1.00				<0.01			<1.00
DDT	1.58	ug/L	ug/kg	0.13		<0.10		<1.0		<0.10		<1.0				<0.10			<1.00
Chlordane	0.5	ug/L	ug/kg	0.09		<0.14		<1.0		<0.14		<1.0				<0.14			<10.0
Toxaphene	No ERL	ug/L	ug/kg	0.21		<0.50		<5.00		<0.50		<5.00				<0.50			<50.0
Total PAH	4.022	ug/L	ug/kg	N/A		<5.00		<5.00		<5.00		<5.00				<5.00			<50.0
Naphthalene	160	ug/L	ug/kg	N/A		<2.00		<20.0		<2.00		<2.00				<2.00			<20.0
Acenaphthene	600	ug/L	ug/kg	N/A		<2.00		<20.0		<2.00		<2.00				<2.00			<20.0
Fluoranthene	600	ug/L	ug/kg	N/A		<0.50		<5.00		<0.50		<5.00				<0.50			<50.0
Benzo(a)pyrene	430	ug/L	ug/kg	N/A		<0.50		<5.00		<0.50		<5.00				<0.50			<50.0
Benzo(e)pyrene	No ERL	ug/L	ug/kg	N/A		<0.50		<5.00		<0.50		<5.00				<0.50			<50.0
Aldrin	No ERL	ug/L	ug/kg	1.3		<0.50		<5.00		<0.50		<5.00				<0.50			<50.0
Dieldrin	0.02	ug/L	ug/kg	0.71		<0.50		<5.00		<0.50		<5.00				<0.50			<50.0
Heptachlor	No ERL	ug/L	ug/kg	0.053		<0.50		<5.00		<0.50		<5.00				<0.50			<50.0
Hexachlorocyclohexane	No ERL	ug/L	ug/kg	0.16		<0.50		<5.00		<0.50		<5.00				<0.50			<50.0
Ammonia	No ERL	mg/L	mg/kg	N/A		<0.50		<5.00		<0.50		<5.00				<0.50			<50.0

Source: USACE Database.

TABLE 3.2-10 (Cont'd)
 DETECTED PARAMETERS IN THE HISTORIC DATA
 INNER HARBOR
 CORPUS CHRISTI SHIP CHANNEL

Parameter	ERL	Liquid Media Unit	Solid Media Unit	Texas Acute Marine Water Quality Standard	Station: 11/13/1997 Channel Station: 1450+00		Station: 11/13/1997 Channel Station: 1500+00		Station: 11/13/1997 Channel Station: 1550+00	
					Water	Sediment	Water	Sediment	Water	Sediment
Sand		%		N/A	25.4	24.8	17.4			
Silt		%		N/A	40.8	31.9	53.7			
Clay		%		N/A	33.8	43.3	28.9			
D50		mm		N/A	0.006	0.005	0.006			
Oil & Grease	No ERL	mg/L		N/A						
As	8.2	ug/L		149	<1.0	<1.0	<1.0	<1.0	<1.0	3.74
Ba	No ERL	ug/L		N/A	51.4	186.0	51.6	85.8	126.0	
Cd	1.2	ug/L		45.62	<0.10	4.19	<0.10	0.15	3.89	
Cr	81	ug/L		N/A	<1.0	19.4	<1.0	<1.0	15.5	
Cu	34	ug/L		13.5	1.4	<1.0	<1.0	<1.0	32.4	
Pb	46.7	ug/L		133	<1.0	18.9	<1.0	<1.0	13.1	
Hg	0.15	ug/L		2.1	<0.20	0.21	<0.20	<0.20	0.10	
Ni	20.9	ug/L		118	<1.0	10.30	<1.0	8.67	9.79	
Ag	1	ug/L		2	<1.0	<0.10	<1.0	<1.0	<0.10	
Se	No ERL	ug/L		564	<1.0	<0.20	<1.0	<1.0	<0.20	
Zn	150	ug/L		92.7	5.9	<1.0	6.4	<1.0	<1.0	
TOC	No ERL	mg/L		N/A	<1.0	84.7	<1.0	<1.0	79.5	
Total PCB	22.7	ug/L		10	<0.01	<1.00	<0.01	<1.00	<1.00	
DDT	1.58	ug/L		0.13	<0.10	<10.0	<0.10	<10.0	<10.0	
Chlordane	0.5	ug/L		0.09	<0.14	<10.0	<0.14	<10.0	<10.0	
Toxaphene	No ERL	ug/L		0.21	<0.50	<50.0	<0.50	<50.0	<50.0	
Total PAH	4.022	ug/L		N/A	<5.00	<50.0	<5.00	<50.0	<50.0	
Naphthalene	16	ug/L		N/A	<2.00	<20.0	<2.00	<20.0	<20.0	
Acenaphthene	16	ug/L		N/A	<2.00	<20.0	<2.00	<20.0	<20.0	
Fluoranthene	600	ug/L		N/A	<0.50	<20.0	<0.50	<20.0	<20.0	
Benzo(a)pyrene	430	ug/L		N/A	<0.50	<20.0	<0.50	<20.0	<20.0	
Benzo(e)pyrene	No ERL	ug/L		N/A	<0.50	<20.0	<0.50	<20.0	<20.0	
Aldrin	No ERL	ug/L		1.3						
Dieldrin	0.02	ug/L		0.71						
Heptachlor	No ERL	ug/L		0.053						
Hexachlorocyclohexane	No ERL	ug/L		0.16						
Ammonia	No ERL	mg/L		N/A						

Source: USACE Database.

TABLE 3.2-10 (Cont'd)
 DETECTED PARAMETERS IN THE HISTORIC DATA
 INNER HARBOR
 CORPUS CHRISTI SHIP CHANNEL

Parameter	ERL	Liquid Media Unit	Solid Media Unit	Channel Station	Station Date	CC-B-00-10 11/21/00 1000+00		CC-B-00-10a 11/21/00 1010+00		CC-B-00-10b 11/21/00 1020+00		CC-B-00-10c 11/21/00 1030+00		CC-B-00-10d 11/21/00 1040+00		CC-B-00-11 11/21/00 1050+00	
						Water	Elutriate	Sediment	Water	Elutriate	Sediment	Water	Elutriate	Sediment	Water	Elutriate	Sediment
Sand	No ERL	mg/L	%			<1.00	<1.00	19.100	0.500	0.400	0.300	0.400	0.400	0.400	0.400	1.000	
Silt	8.2	ug/L	%			55.10	62.00	7.000	19.800	16.800	15.700	15.700	11.900	11.900	11.900	9.100	
Clay	1.2	ug/L	%			<0.10	<0.10	70.600	79.700	82.800	84.000	84.000	87.700	87.700	87.700	89.900	
D50	81	ug/L	mm			<1.00	<1.00	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	
Oil & Grease	No ERL	mg/kg	mg/kg	N/A													
As	8.2	ug/L	mg/kg	149				7.34	9.90	6.48	6.74	6.74	8.83	8.83	8.90	8.90	
Ba	No ERL	ug/L	mg/kg	N/A				77.20	137.00	210.00	209.00	209.00	224.00	224.00	212.00	212.00	
Cd	1.2	ug/L	mg/kg	45.4		<0.10	<0.10	<0.10	<0.10	0.24	<0.10	<0.10	<0.10	<0.10	<0.10	0.16	
Cr	81	ug/L	mg/kg	1090		<1.00	<1.00	3.48	5.28	8.16	7.97	7.97	8.69	8.69	<1.00	8.41	
Cu	34	ug/L	mg/kg	13.5		<1.00	<1.00	3.23	5.17	8.08	7.63	7.63	7.93	7.93	<1.00	7.81	
Pb	46.7	ug/L	mg/kg	133		<1.00	<1.00	24.30	21.90	19.30	20.00	20.00	20.60	20.60	<1.00	20.40	
Hg	0.15	ug/L	mg/kg	2.1		<0.20	<0.20	0.08	0.12	0.14	0.10	0.10	0.12	0.12	<0.20	0.14	
Ni	20.9	ug/L	mg/kg	118		<1.00	<1.00	2.49	3.87	6.04	6.35	6.35	6.39	6.39	<1.00	6.37	
Ag	1	ug/L	mg/kg	2		<1.00	<1.00	<0.10	<0.10	1.08	<0.10	<0.10	<0.10	<0.10	<1.00	<0.10	
Se	No ERL	ug/L	mg/kg	564		<1.00	<1.00	1.37	1.29	1.08	0.88	0.88	0.75	0.75	<1.00	1.00	
Zn	150	ug/L	mg/kg	92.7		8.70	3.40	28.50	47.10	75.70	71.40	71.40	76.60	76.60	43.50	74.70	
TOC	No ERL	mg/L	mg/kg	N/A		<1000	<1000	10900.00	10000.00	11000.00	11900.00	11900.00	12300.00	12300.00	<1000	14000.00	
DDT	22.7	ug/L	ug/kg	10		<0.01	<0.01	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<0.01	<1.00	
Chlordane	1.58	ug/L	ug/kg	0.13		<0.10	<0.10	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<0.10	<1.00	
Toxaphene	0.5	ug/L	ug/kg	0.09		<0.14	<0.14	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<0.14	<1.00	
Total PAH	No ERL	ug/L	ug/kg	0.21		<0.50	<0.50	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<0.50	<50.0	
Naphthalene	No ERL	ug/L	ug/kg	N/A		<5.00	<5.00	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<5.00	<50.0	
Acenaphthene	160	ug/L	ug/kg	N/A		<2.00	<2.00	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<2.00	<20.0	
Fluoranthene	No ERL	ug/L	ug/kg	N/A		<0.50	<0.50	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<0.50	<20.0	
Benzo(a)pyrene	430	ug/L	ug/kg	N/A		<0.50	<0.50	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<0.50	<20.0	
Benzo(e)pyrene	No ERL	ug/L	ug/kg	N/A		<0.50	<0.50	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<0.50	<20.0	
TPH	No ERL	mg/kg	mg/kg	N/A		220.00	150.00	211.00	240.00	170.00	168.00	168.00	209.00	209.00	460.00	210.00	
Ammonia	No ERL	mg/L	mg/kg	N/A		<0.03	1.32	37.90	81.00	110.00	97.30	97.30	111.00	111.00	<0.03	2.08	
Total Sulfide		mg/kg	mg/kg			38.00	16.20	16.20	214.00	201.00	73.10	73.10	91.50	91.50	272.00	272.00	
% Total Solid		mg/kg	mg/kg			38.00	31.10	31.10	29.70	29.70	29.40	29.40	30.70	30.70	<0.03	31.00	
% Volatile Solid		mg/kg	mg/kg			1.71	1.59	1.59	1.63	1.63	1.45	1.45	3.22	3.22	2.91	2.91	

Source: USACE Database

TABLE 3.2-10 (Cont.)
 DETECTED PARAMETERS IN THE HISTORIC DATA
 INNER HARBOR
 CORPUS CHRISTI SHIP CHANNEL

Parameter	ERL	Liquid Media Unit	Solid Media Unit	Channel Station	Station Date	CC-B-00-11a 11/21/00 1060+00		CC-B-00-11b 11/21/00 1070+00		CC-B-00-11c 11/21/00 1080+00		CC-B-00-11d 11/21/00 1090+00		CC-B-00-PA17B 11/21/00 970+00, 2.500' S		CC-B-00-REF17B 11/21/00 970+00, 2.500' N			
						Water	Elutriate	Sediment	Water	Elutriate	Sediment	Water	Elutriate	Sediment	Water	Elutriate	Sediment	Water	Elutriate
Sand		%				1.000		2.500		1.200		1.500		45.100		6.600			
Silt		%				9.100		11.700		22.600		11.200		13.800		20.700			
Clay		%				89.900		85.800		76.200		87.300		24.300		71.400			
D50		mm				0.003		0.003		0.003		0.003		0.185		0.000			
Oil & Grease	No ERL	mg/L																	
As	8.2	ug/L		N/A		8.50		6.43		7.23		7.46		4.81		<1.00	<1.00	6.10	6.10
Ba	No ERL	mg/kg		149		82.90		236.00		227.00		221.00		94.20		53.70	233.00	53.70	233.00
Cd	1.2	ug/L		N/A		0.25		0.24		0.27		0.24		<0.10		<0.10	<0.10	<0.10	0.22
Cr	81	ug/L		1090		3.06		7.35		8.44		8.02		3.06		<1.00	<1.00	6.66	6.66
Cu	34	ug/L		13.5		3.15		7.61		12.20		8.94		3.24		<1.00	<1.00	6.57	6.57
Pb	46.7	ug/L		133		32.10		22.40		23.60		25.50		2.40		<1.00	<1.00	24.30	24.30
Hg	0.15	ug/L		2.1		0.11		0.10		0.08		0.11		<0.20		<0.20	0.26	0.26	0.26
Ni	20.9	ug/L		118		1.97		5.35		6.86		6.38		<1.00		<1.00	5.13	5.13	5.13
Ag	1	ug/L		2		<0.10		<0.10		<0.10		<0.10		<1.00		<1.00	<1.00	<1.00	<1.00
Se	No ERL	ug/L		564		1.56		1.37		1.55		1.63		1.09		<1.00	<1.00	1.62	1.62
Zn	150	ug/L		92.7		30.70		68.30		87.20		81.40		6.10		8.10	3.10	65.20	65.20
TOC	No ERL	mg/L		N/A		11900.00		13100.00		20000.00		12000.00		<1000		<1000	<1000	11300.00	11300.00
Total PCB	22.7	ug/L		10		<1.00		<1.00		<1.00		<1.00		<0.01		<0.01	<0.01	<1.00	<1.00
DDT	1.58	ug/L		0.13		<10.0		<10.0		<10.0		<10.0		<0.10		<0.10	<0.10	<10.0	<10.0
Chlordane	0.5	ug/L		0.09		<10		<10		<10		<10		<0.14		<0.14	<0.14	<10	<10
Toxaphene	No ERL	ug/L		0.21		<50.0		<50.0		<50.0		<50.0		<0.50		<0.50	<0.50	<50.0	<50.0
Total PAH	No ERL	ug/L		N/A		<500		<500		<500		<500		<500		<500	<500	<500	<500
Naphthalene	160	ug/L		N/A		<20.0		<20.0		<20.0		<20.0		<2.00		<2.00	<2.00	<20.0	<20.0
Acenaphthene	16	ug/L		N/A		<20.0		<20.0		<20.0		<20.0		<2.00		<2.00	<2.00	<20.0	<20.0
Fluoranthene	No ERL	ug/L		N/A		<20.0		<20.0		<20.0		<20.0		<0.50		<0.50	<0.50	<20.0	<20.0
Benzo(a)pyrene	430	ug/L		N/A		<20.0		<20.0		<20.0		<20.0		<0.50		<0.50	<0.50	<20.0	<20.0
Benzo(e)pyrene	No ERL	ug/L		N/A		<20.0		<20.0		<20.0		<20.0		<0.50		<0.50	<0.50	<20.0	<20.0
TPH	No ERL	mg/L		184.00		175.00		175.00		114.00		276.00		220.00		170.00	120.00	122.00	122.00
Ammonia	No ERL	mg/L		N/A		79.40		131.00		97.00		92.20		2.79		0.28	3.21	3.21	3.21
Total Sulfide		mg/kg				173.00		161.00		341.00		211.00		4.79		86.00	86.00	86.00	86.00
% Total Solid		mg/kg				32.00		33.60		29.60		31.90		64.50		40.80	40.80	40.80	40.80
% Volatile Solid		mg/kg				1.94		1.49		1.57		1.58		0.94		1.78	1.78	1.78	1.78

Source: USACE Database.

TABLE 3.2-10 (Concluded)
 DETECTED PARAMETERS IN THE HISTORIC DATA
 INNER HARBOR
 CORPUS CHRISTI SHIP CHANNEL

Parameter	ERL	Liquid Media Unit	Solid Media Unit	Texas Acute Marine Water Quality Standard	Station: 11/21/00		Station: 11/21/00		Station: 11/21/00	
					Date: 11/21/00	Channel Station: 1100+00	Date: 11/21/00	Channel Station: 1100+00	Date: 11/21/00	Channel Station: 1050+00
					Water	Elutriate	Sediment	Water	Elutriate	Sediment
Sand		%			5.600			3.700		
Silt		%			6.100			8.200		
Clay		%			88.300			88.100		
D50		mm			0.003			0.003		
Oil & Grease	No ERL	mg/L		N/A	<1.00	<1.00	7.64	<1.00	<1.00	6.10
As	8.2	ug/L		149	54.70	62.40	144.00	57.20	65.90	189.00
Ba	No ERL	ug/L		N/A	<0.10	<0.10	0.12	<0.10	<0.10	0.16
Cd	1.2	ug/L		45.4	<1.00	<1.00	5.58	<1.00	<1.00	9.11
Cr	81	ug/L		1090	<1.00	<1.00	6.65	<1.00	<1.00	12.80
Cu	34	ug/L		13.5	<1.00	<1.00	26.60	<1.00	<1.00	22.70
Pb	46.7	ug/L		133	<0.20	<0.20	0.14	<0.20	<0.20	0.12
Hg	0.15	ug/L		2.1	<1.00	<1.00	3.91	<1.00	<1.00	6.19
Ni	20.9	ug/L		118	<1.00	<1.00	0.10	<1.00	<1.00	0.10
Ag	1	ug/L		2	<1.00	<1.00	1.77	<1.00	<1.00	1.64
Se	No ERL	ug/L		564	3.60	6.70	58.50	13.90	4.30	94.70
Zn	150	ug/L		92.7	<1000	<1000	12700.00	<1000	<1000	11600.00
TOC	No ERL	mg/L		N/A	<0.01	<0.01	<1.00	<0.01	<0.01	<1.00
Total PCB	22.7	ug/L		10	<0.10	<0.10	<10.0	<0.10	<0.10	<10.0
DDT	1.58	ug/L		0.13	<0.14	<0.14	<10.0	<0.14	<0.14	<10.0
Chlordane	0.5	ug/L		0.09	<0.50	<0.50	<50.0	<0.50	<0.50	<50.0
Toxaphene	No ERL	ug/L		0.21	<5.00	<5.00	<500	<5.00	<5.00	<500
Total PAH	No ERL	ug/L		N/A	<2.00	<2.00	<20.0	<2.00	<2.00	<20.0
Naphthalene	160	ug/L		N/A	<2.00	<2.00	<20.0	<2.00	<2.00	<20.0
Acenaphthene	16	ug/L		N/A	<0.50	<0.50	<20.0	<0.50	<0.50	<20.0
Fluoranthene	No ERL	ug/L		N/A	<0.50	<0.50	<20.0	<0.50	<0.50	<20.0
Benzo(a)pyrene	430	ug/L		N/A	<0.50	<0.50	<20.0	<0.50	<0.50	<20.0
Benzo(e)pyrene	No ERL	ug/L		N/A	<0.50	<0.50	<20.0	<0.50	<0.50	<20.0
TPH	No ERL	mg/L		N/A	200.00	130.00	105.00	200.00	180.00	160.00
Ammonia	No ERL	mg/L		N/A	<0.03	2.40	84.90	<0.03	2.47	87.50
Total Sulfide		mg/kg			413.00			42.00		
% Total Solid		mg/kg			30.50			30.50		
% Volatile Solid		mg/kg			1.65			2.27		

Source: USACE Database.

TABLE 3.2-11
DETECTED PARAMETERS IN THE HISTORIC DATA
GULF INTRACOASTAL WATERWAY
ACROSS CORPUS CHRISTI BAY

Parameter	ERL	Liquid Media Unit	Solid Media Unit	Channel Station:	GIC-CBB-83-01		GIC-CBB-83-02		GIC-CBB-83-03		GIC-CBB-83-DA 171		
					Water	Sediment	Water	Sediment	Water	Sediment	Water	Sediment	Water
Sand		%		Station: 5/11/83									
Silt		%		Date: 0+000									
Clay		%		Channel Station: Texas Acute Marine Water Quality Standard									
D50		mm											
Oil & Grease	No ERL	mg/L	mg/kg		<1.0	292.0	<1.0	<1.0	<1.0	1.5	76.0	<1.0	80.0
As	8.2	ug/L	mg/kg		7.5	14.0	9.0	14.0	7.8	20.0	<1.0	14.0	1.0
Ba	No ERL	ug/L	mg/kg		<2.0	<0.5	<2.0	<2.0	<2.0	<2.0	<0.5	<2.0	<0.5
Cd	1.2	ug/L	mg/kg		<10.0	7.14	<10.0	<10.0	5.35	<10.0	<5.0	<10.0	<5.0
Cr	81	ug/L	mg/kg		<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	<5.0	<1.0	<5.0
Cu	34	ug/L	mg/kg		<10.0	<5.0	<10.0	<10.0	<5.0	<10.0	<5.0	<10.0	<5.0
Pb	46.7	ug/L	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Hg	0.15	ug/L	mg/kg		<20.0	5.4	<20.0	<20.0	6.1	<20.0	<5.0	<20.0	<5.0
Ni	20.9	ug/L	mg/kg										
Ag	1	ug/L	mg/kg										
Se	No ERL	ug/L	mg/kg		<20.0	39.0	<20.0	<20.0	24.0	<20.0	<5.0	<20.0	10.0
Zn	150	ug/L	mg/kg		<0.50	<10.0	<0.50	<0.50	<10.0	<0.50	<10.0	<0.50	<10.0
TOC	No ERL	mg/L	mg/kg		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Total PCB	22.7	ug/L	ug/kg		<0.05	<1.0	<0.05	<0.05	<1.0	<0.05	<1.0	<0.05	<1.0
DDT	1.58	ug/L	ug/kg		<0.50	<10.0	<0.50	<0.50	<10.0	<0.50	<10.0	<0.50	<10.0
Chlordane	0.5	ug/L	ug/kg		<0.05	<1.0	<0.05	<0.05	<1.0	<0.05	<1.0	<0.05	<1.0
Toxaphene	No ERL	ug/L	ug/kg		<0.50	<10.0	<0.50	<0.50	<10.0	<0.50	<10.0	<0.50	<10.0
Total PAH	4.022	ug/L	mg/kg										
Naphthalene	160	ug/L	ug/kg										
Acenaphthene	16	ug/L	ug/kg										
Fluoranthene	600	ug/L	ug/kg										
Benzo(a)pyrene	430	ug/L	ug/kg										
Benzo(e)pyrene	No ERL	ug/L	ug/kg										
Aldrin	No ERL	ug/L	ug/kg		<0.02	<0.2	<0.02	<0.02	<0.2	<0.02	<0.2	<0.02	<0.2
Dieldrin	0.02	ug/L	ug/kg		<0.02	<0.50	<0.02	<0.02	<0.50	<0.02	<0.50	<0.02	<0.50
Heptachlor	No ERL	ug/L	ug/kg		<0.02	<0.50	<0.02	<0.02	<0.50	<0.02	<0.50	<0.02	<0.50
Hexachlorocyclohexane	No ERL	ug/L	ug/kg		0.09	0.09	0.12	0.16	<0.50	0.09	<0.50	<0.02	<0.50
Ammonia	No ERL	mg/L	mg/kg		0.09	36.00	0.10	0.68	40.00	0.07	10.00	0.09	12.0

TABLE 3.2-11 (Concluded)
 DETECTED PARAMETERS IN THE HISTORIC DATA
 CORPUS CHRISTI BAY TO MUDFLATS
 GULF INTRACOASTAL WATERWAY

Parameter	ERL	Liquid Media Unit	Solid Media Unit	Channel Station	Station Date	GIC-CBB-90-01 11/16/90 10+000		GIC-CBB-93-01 12/21/93 0+000		GIC-CBB-93-02 12/21/93 5+000		GIC-CBB-93-03 12/21/93 10+000	
						Water	Elutriate Sediment	Water	Elutriate Sediment	Water	Elutriate Sediment	Water	Elutriate Sediment
Sand		%				86.8	61.4						
Silt		%				8.0	28.1						
Clay		%				5.2	10.5						
D50		mm				0.205	0.132						
Oil & Grease	No ERL	mg/L				<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
As	82	ug/L		N/A		<10.0	74.3	153.00	52.7	71.8	75.19	52.3	64.4
Ba	No ERL	ug/L		N/A		<10.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Cd	1.2	ug/L		45.62		<1.0	<1.0	6.70	<1.0	<1.0	3.30	<1.0	1.60
Cr	81	ug/L		N/A		<5.0	<1.0	5.50	<1.0	<1.0	2.40	<1.0	1.20
Cu	34	ug/L		13.5		<5.0	<1.0	5.50	<1.0	<1.0	3.70	<1.0	1.90
Pb	46.7	ug/L		133		<5.0	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Hg	0.15	ug/L		2.1		<5.0	<1.0	4.70	<1.0	<1.0	2.30	<1.0	0.96
Ni	20.9	ug/L		118		<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ag	1	ug/L		2		<2.0	<2.0	<1.00	<2.0	<2.0	<1.00	<2.0	<1.00
Se	No ERL	ug/L		564		<5.0	<5.0	5.9	4.1	29.5	6.3	3.0	14.4
Zn	150	ug/L		92.7		1.00	1.00	<100	9.60	13.3	92.0	8.40	9.00
TOC	No ERL	mg/L		N/A		<0.50	<0.50	<15.0	<0.50	<0.50	<15.0	<0.50	<0.50
Total PCB	22.7	ug/L		10		<0.02	<0.12	<30.0	<0.12	<0.12	<30.0	<0.12	<30.0
DDT	1.58	ug/L		0.13		<0.02	<0.14	<30.0	<0.14	<0.14	<30.0	<0.14	<30.0
Chlordane	0.5	ug/L		0.09		<0.50	<0.50	<15.00	<0.50	<0.50	<15.00	<0.50	<15.00
Toxaphene	No ERL	ug/L		0.21		<5.00	<5.00	<50.0	<2.0	<2.0	<90.0	<2.0	<90.0
Total PAH	4.022	ug/L		N/A		<2.0	<2.0	<20.0	<2.0	<2.0	<20.0	<2.0	<20.0
Naphthalene	160	ug/L		N/A		<2.0	<2.0	<20.0	<2.0	<2.0	<20.0	<2.0	<20.0
Acenaphthene	16	ug/L		N/A		<0.50	<0.50	<10.0	<0.50	<0.50	<10.0	<0.50	<10.0
Fluoranthene	600	ug/L		N/A		<0.50	<0.50	<10.0	<0.50	<0.50	<10.0	<0.50	<10.0
Benzo(a)pyrene	430	ug/L		N/A		<0.50	<0.50	<10.0	<0.50	<0.50	<10.0	<0.50	<10.0
Benzo(e)pyrene	No ERL	ug/L		N/A		<0.50	<0.50	<10.0	<0.50	<0.50	<10.0	<0.50	<10.0

Source: USACE Database.

TABLE 3.3-1
SEDIMENT SAMPLE RESULTS (mg/kg)
LA QUINTA
CORPUS CHRISTI SHIP CHANNEL

SAMPLE #	Hg	Se	As	Ag	Al	B	Ba	Be	Cd	Cr	Cu
ERL	0.15	No ERL	8.2	1.0	No ERL	No ERL	No ERL	No ERL	1.2	81	34
CC 88 S	0.040	0.200	5.30	<2.0	16,500.0	13.0	398.0	1.10	<0.3	17.0	12.0
CC 99 S	0.054	<0.2	5.30	<2.0	19,500.0	17.0	872.0	0.94	<0.3	14.0	17.0
CC100 S	0.040	<0.2	3.80	<2.0	7,700.0	11.00	246.0	0.60	<0.3	8.3	6.4

SAMPLE #	Fe	Mg	Mn	Mo	Ni	Pb	Sr	Tl	V	Zn	%H2O
ERL	No ERL	No ERL	No ERL	No ERL	20.9	46.7	No ERL	No ERL	No ERL	150	No ERL
CC 88 S	13,700	8,510	295.0	<2.0	13.0	18.00	89.3	<5.0	13.0	65.4	67.4
CC 99 S	13,500	6,740	244.0	<2.0	11.0	15.00	118.0	<5.0	19.0	71.6	43.0
CC100 S	7,130	4,640	261.0	<1.0	6.0	10.00	57.3	<5.0	9.3	37.0	46.1

Source: Barrera, et al., 1995.

TABLE 3.3-1 (Cont'd)
 SEDIMENT SAMPLE RESULTS (mg/kg)
 LOWER BAY
 CORPUS CHRISTI SHIP CHANNEL

SAMPLE #	Hg	Se	As	Ag	Al	B	Ba	Be	Cd	Cr	Cu
ERL	0.15	No ERL	8.2	1.0	No ERL	No ERL	No ERL	No ERL	1.2	81	34
CC112 S	0.040	<0.2	5.00	<2.0	10,100	12.0	292.0	0.72	<0.3	11.0	7.7
CC123 S	0.020	<0.2	2.20	<2.0	4,350	3.0	209.0	0.30	<0.3	5.0	3.1
CC137 S	0.010	0.200	1.30	<2.0	1,560	<2.0	53.6	0.10	<0.2	3.0	1.1
CC147 S	0.040	<0.2	2.40	<2.0	6,310	5.0	314.0	0.36	<0.2	7.5	4.1
CC153 S	0.020	<0.2	1.30	<2.0	1,280	<2.0	237.0	0.10	<0.2	2.0	0.62
CC154 S	0.040	<0.2	3.80	<2.0	7,000	8.1	371.0	0.47	<0.2	8.2	4.5

SAMPLE #	Fe	Mg	Mn	Mo	Ni	Pb	Sr	Tl	V	Zn	%H2O
ERL	No ERL	No ERL	No ERL	No ERL	20.9	46.7	No ERL	No ERL	No ERL	150	No ERL
CC112 S	9,780	6,590	362.0	<2.0	9.0	13.0	72.0	<5.0	10.0	51.7	54.7
CC123 S	4,410	2,880	120.0	<1.0	5.5	5.0	61.7	<5.0	6.1	21.0	35.4
CC137 S	2,010	1,250	81.9	<1.0	2.0	<4.0	28.4	<4.0	2.9	10.0	25.3
CC147 S	6,350	3,880	149.0	<1.0	6.3	8.0	61.7	<4.0	7.4	31.9	31.7
CC153 S	1,650	1,330	71.1	<1.0	2.0	<4.0	154.0	<4.0	2.7	6.6	19.7
CC154 S	7,790	4,530	195.0	<1.0	7.0	8.00	53.8	<4.0	8.2	34.3	39.1

Source: Barrera, et al., 1995.

TABLE 3.3-1 (Cont'd)
 SEDIMENT SAMPLE RESULTS (mg/kg)
 UPPER BAY
 CORPUS CHRISTI SHIP CHANNEL

SAMPLE #	Hg	Se	As	Ag	Al	B	Ba	Be	Cd	Cr	Cu
ERL	0.15	No ERL	8.2	1.0	No ERL	No ERL	No ERL	No ERL	1.2	81.0	34.0
CC 26 S	0.17	0.20	4.20	<2.0	14,100	15.0	402.0	1.0	0.7	15.0	10.0
CC 27 S	0.04	0.40	1.60	<2.0	5,120	6.0	118.0	0.35	<0.2	5.2	4.1
CC 32 S	0.14	0.30	4.60	<2.0	18,400	12.0	348.0	1.2	0.40	17.0	11.0
CC 40 S	0.12	<0.1	5.70	<2.0	17,400	17.0	349.0	1.1	<0.3	18.0	10.0
CC 49 S	0.06	0.20	5.60	<2.0	11,000	12.0	196.0	0.79	<0.2	11.0	8.8
CC 60 S	0.096	<0.1	6.20	<2.0	19,700	10.0	451.0	1.2	<0.3	18.0	11.0
CC 71 S	0.081	<0.1	7.50	<2.0	21,700	16.0	435.0	1.2	<0.3	19.0	11.0
CC 80 S	0.057	0.30	7.10	<2.0	12,300	7.7	539.0	0.91	<0.3	12.0	9.9
CC 90 S	0.03	0.30	2.30	<2.0	3,760	4.0	178.0	0.2	<0.2	4.3	3.2

SAMPLE #	Fe	Mg	Mn	Mo	Ni	Pb	Sr	Tl	V	Zn	%H2O
ERL	No ERL	No ERL	No ERL	No ERL	20.9	46.7	No ERL	No ERL	No ERL	150	No ERL
CC 26 S	11,900	7,250	244.0	<2.0	8.6	24.0	120.0	<5.0	11.0	127.0	50.5
CC 27 S	3,910	5,100	198.0	<1.0	2.0	10.0	818.0	<5.0	4.8	37.3	32.1
CC 32 S	14,700	8,860	234.0	<2.0	11.0	26.0	133.0	<5.0	13.0	114.0	55.7
CC 40 S	14,300	9,620	522.0	<2.0	10.0	25.0	106.0	<5.0	11.0	101.0	70.0
CC 49 S	10,200	7,160	285.0	<2.0	9.0	17.0	330.0	<5.0	8.8	58.6	44.6
CC 60 S	15,800	9,420	269.0	<2.0	12.0	24.0	102.0	<5.0	13.0	98.2	55.1
CC 71 S	16,800	11,600	281.0	<2.0	13.0	23.0	194.0	<5.0	17.0	92.8	50.9
CC 80 S	11,900	7,200	290.0	<2.0	9.9	18.0	159.0	<5.0	10.0	67.9	43.8
CC 90 S	3,880	2,380	95.1	<1.0	3.0	9.0	104.0	<5.0	5.3	21.0	26.5

Values in bold = sample was above TNRCC screening levels

Source: Barrera, et al., 1995.

TABLE 3.3-1 (Concluded)
SEDIMENT SAMPLE RESULTS (mg/kg)
INNER HARBOR
CORPUS CHRISTI SHIP CHANNEL

SAMPLE #	Hg	Se	As	Ag	Al	B	Ba	Be	Cd	Cr	Cu
ERL	0.15	No ERL	8.2	1.0	No ERL	No ERL	No ERL	No ERL	1.2	81.0	34.0
CC 1 S	0.072	0.4	2.6	<2.0	6,190	<2.0	104	0.39	0.83	8.8	9.9
CC 2 S	0.310	0.76	4.3	<2.0	19,200	11.0	148	1.2	3.1	18.0	15.0
CC 3 S	0.920	0.87	6.8	<2.0	19,600	18.0	1,530	1.1	4.6	23.0	52.3
CC 4 S	0.210	0.4	5.0	<2.0	21,000	12.0	310	1.2	0.89	24.0	18.0
CC 20 S	0.100	<0.1	2.2	<2.0	6,760	7.0	196.0	0.41	0.4	8.4	6.9
CC 21 S	0.140	<0.1	3.3	<2.0	7,170	8.6	245.0	0.45	0.89	19.0	12.0
CC 22 S	0.250	0.4	4.9	<2.0	25,400	17.0	375.0	1.3	1.0	31.0	32.9

SAMPLE #	Fe	Mg	Mn	Mo	Ni	Pb	Sr	Tl	V	Zn	%H2O
ERL	No ERL	No ERL	No ERL	No ERL	20.9	46.7	No ERL	No ERL	No ERL	150	No ERL
CC 1 S	5,050	3,240	170	<1.0	4.0	13.0	50.7	<5.0	7.7	93.1	42.0
CC 2 S	12,700	7,980	354	<2.0	10.0	29.0	71.1	<5.0	13.0	281.0	63.9
CC 3 S	12,900	7,320	391	<2.0	11.0	110.0	86.1	<5.0	20.0	645.0	60.6
CC 4 S	14,800	9,640	494	<2.0	11.0	32.0	103.0	<5.0	17.0	166.0	68.6
CC 20 S	5,580	3,460	106	<1.0	4.0	16.0	93.9	<5.0	7.3	67.6	36.8
CC 21 S	6,470	3,820	144	<1.0	4.0	74.0	92.8	<5.0	8.3	154.0	41.2
CC 22 S	17,900	9,250	280	<2.0	13.0	50.0	79.0	<5.0	18.0	206.0	58.3

Source: Barrera, et al., 1995.

TABLE 3.3-2

DETECTED PARAMETERS IN CONSTRUCTION SEDIMENTS
 LOWER BAY/UPPER BAY/LA QUINTA EXTENSION
 CORPUS CHRISTI SHIP CHANNEL

Parameter	ERL	Units	Station:		C-67	C-71A	C-76	L-24	L-27	L-30	L-30
			C-60	C-60							
			Depth:	Depth:							
			8-10	13-15	1	0-2	5	20	10	9	19
			Channel Station:								
			5/21/00	5/25/00	5/25/00	6/2/00	6/5/00	6/1/00	6/1/00	6/2/00	6/2/00
			120+65	520+51	520+51	718+61	960+27	330+50	368+00	385+00	385+00
As	8.2	mg/kg	<0.001	2.9	3.8	4.0	2.9	2.2	6	7.1	4.8
Ba	No ERL	mg/kg	153	183	25.7	103	128	25.3	19.5	52.1	17.7
Cd	1.2	mg/kg	0.09	0.07	0.22	0.19	0.29	0.09	0.16	0.20	0.03
Cr	81	mg/kg	30.1	22.1	30	46.3	34.9	18.7	28.0	26.9	30.1
Cu	34	mg/kg	4.58	4.54	4.65	6.64	3.48	3.36	5.51	4.63	4.23
Pb	46.7	mg/kg	4.1	6.9	7.5	10.8	8.6	4.8	4.4	4.6	6.2
Hg	0.15	mg/kg	0.015	0.012	0.007	0.008	0.017	0.009	<0.005	<0.005	0.007
Ni	20.9	mg/kg	11.0	4.41	5.53	8.18	6.71	7.00	6.03	6.54	7.47
Ag	1	mg/kg	<0.001	<0.001	<0.001	0.24	<0.001	<0.001	<0.001	<0.001	<0.001
Se	No ERL	mg/kg	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Zn	150	mg/kg	40.4	30.1	42.8	62.1	60.8	12.8	37.8	37.4	28.3
TOC	No ERL	wt %	7.8	8	9.5	6.6	8	10.5	4.0	8.2	10.7

* Sample depth is measured from the mudline.
 Source: Fugro South, Inc., 2000.

TABLE 3.3-3

SUMMARY OF CHEMISTRY AND BIOASSAY DATA FOR CONSTRUCTION MATERIAL (% Survival)
 INNER HARBOR
 CORPUS CHRISTI SHIP CHANNEL

Parameter	Station: Channel Station: Texas Acute Marine Water Quality Standard	IC-1 1260+00		IC-2 1440+00		IC-3 1555+00	
		Water	Elutriate	Water	Elutriate	Water	Elutriate
Oil & Grease (ug/L)	N/A	<1000	2,890	<1000	1,000	<1000	1,120
As (ug/L)	149	80	51	61	47	76	61
Cu (ug/L)	13.5	10.8	1.0	1.0	1.0	1.1	1.0
Se (ug/L)	564	25.3	29.6	21.4	25.1	22.3	22.0
Zn (ug/L)	92.7	100	52	108	73	42	<20
Chlordane (ug/L)	0.09	0.06	<0.05	0.05	<0.05	0.06	<0.05
Date	Organism	Liquid Phase	Suspended Particulate Phase	Liquid Phase	Suspended Particulate Phase	Liquid Phase	Suspended Particulate Phase
1981	<i>Menidia beryllina</i> <i>Mysidopsis almyra</i> <i>Palaemonetes pugio</i>	100 97 100	100 97 100	97 100 93	97 97 93	100 87 93	100 93 93

Source: Tereco, 1982b.