Station Date Collected	Waterbody Description Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)
	Dixon Creek near Canadian River Confluence NE of Borger												**Old Number 0100.1050**		**Station ID 10016**	**Latitude 35°44'32"**	**Longitude 101°20'30"**	**County TNRCC TX**
13-May-03	S	*C.dubia 4-day*	○	0	0						4	7.4	276	199	789	3	3.8	
	S	*P.promelas 4-day*	○	2.5	0						4	7.4	276	199	789	3	3.8	
	Star Lake Canal												**0600.0500**		**10485**	**29°58'45"**	**93°51'42"**	**TNRCC TX**
30-Jun-99	W	*C.dubia 7-day*	●	100	0	○					2	7.4	26	129	942	< 0.1	2.4	
	W	*P.promelas 7-day*	○	7	3						7	7.4	26	129	942	< 0.1	2.4	
	S	*C.dubia 7-day*	○	0	0	○	18.6	15.9			7	8.0	242	124	1197	< 0.1	5.4	
	S	*C.dubia 7-day*	○	0	0	○	19.5	15.9			7	8.0	248	131	1119	< 0.1	5.4	
	S	*P.promelas 7-day*	○	7	3						7	8.0	242	124	1197	< 0.1	5.4	
	S	*P.promelas 7-day*	○	0	3						7	8.0	248	131	1119	< 0.1	5.4	
14-Jun-00	W	*C.dubia 7-day*	●	100	0	○					1	7.9	59	800	12100	0.1	1.8	
	W	*P.promelas 7-day*	●	63	3						7	7.9	59	800	12100	0.1	1.8	
	S	*C.dubia 7-day*	○	0	0	○	18.5	16.1			7	7.8	218	200	2140	< 0.1	2.5	
	S	*P.promelas 7-day*	○	7	3						7	7.8	218	200	2140	< 0.1	2.5	
	Taylor Bayou Turning Basin at Texaco Dock												**0700.1000**		**10652**	**29°49'30"**	**93°57'37"**	**TNRCC TX**
18-Aug-99	S	*C.variegatus 9-day*	○	3	0						9	8.0	364		6710	< 0.1	13.2	
	Leon Creek above Quintana Road														**12840**	**29°20'29"**	**98°35'13"**	**TNRCC TX**
08-Mar-04	W	*C.dubia 4-day*	○	10	10						4	8.3	257	296	636	0.3	0.5	
	W	*P.promelas 4-day*	●	58	2.5						4	8.3	257	296	636	0.3	0.5	
	S	*C.dubia 4-day*	○	0	0						4	8.0	279	269	530	1.5	3.5	
	S	*P.promelas 4-day*	○	0	0						4	8.0	279	269	530	1.5	3.5	
21-Jun-04	W	*C.dubia 4-day*	○	15	0						4	8.4	226	260	598	0.2	0.4	
	W	*P.promelas 4-day*	●	63	0						4	8.4	226	260	598	0.2	0.4	
13-Sep-04	W	*C.dubia 4-day*	●	50	5						4	8.4	295	290	615	0.2	0.4	
	W	*P.promelas 4-day*	●	30	5						4	8.4	295	290	615	0.2	0.4	
	S	*C.dubia 4-day*	○	25	10						4	7.9	207	200	560	0.4	1.8	
	S	*P.promelas 4-day*	○	0	0						4	7.9	207	200	560	0.4	1.8	
13-Dec-04	W	*C.dubia 4-day*	○	10	5						4	7.9	312	352	735	0.3	0.4	
	W	*P.promelas 4-day*	○	7.5	0						4	7.9	312	352	735	0.3	0.4	
	Leon Creek at SH90														**12845**	**29°24'25"**	**98°36'26"**	**TNRCC TX**
08-Mar-04	W	*C.dubia 4-day*	○	5	10						4	8.1	182	229	459	0.2	0.5	
	W	*P.promelas 4-day*	○	0	2.5						4	8.1	182	229	459	0.2	0.5	
	S	*C.dubia 4-day*	○	0	0						4	7.4	244	71	590	1	3.4	
	S	*P.promelas 4-day*	○	0	0						4	7.4	244	71	590	1	3.4	

Sample Types

W=Water
S=Sediment

● Significant Difference
○ No Significant Difference

Primary Endpoints

Crustaceans - mortality. Algae - decrease or increase in cell numbers.
Fish - mortality, teratogenicity, or abnormal swimming behaviour.

Secondary Endpoints

Average number of young per female - applicable only to *Ceriodaphnia dubia.*
Weight - applicable only to fish larval survival and growth test.

Station	Waterbody Description																												
Date Collected	Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)											
Continued . . .	**Leon Creek at SH90**																												
21-Jun-04	W	*C.dubia 4-day*	○	0	0						4	8.3	245	319	730		0.2	0.6											
	W	*P.promelas 4-day*	●	43	0						4	8.3	245	319	730		0.2	0.6											
13-Sep-04	W	*C.dubia 4-day*	○	0	5						4	7.7	327	368	804		0.2	0.5											
	W	*P.promelas 4-day*	○	10	5						4	7.7	327	368	804		0.2	0.5											
	S	*C.dubia 4-day*	○	30	10						4	7.8	279	252	683		0.6	6.0											
	S	*P.promelas 4-day*	○	5	0						4	7.8	279	252	683		0.6	6.0											
13-Dec-04	W	*C.dubia 4-day*	○	5	5						4	7.8	360	344	728		0.2	0.2											
	W	*P.promelas 4-day*	○	12.5	0						4	7.8	360	344	728		0.2	0.2											
	Montoya Drain 0.4 km upstream from Mouth at Frontera Road														**13175**		**31°48'49"**	**106°34'11"**									***TNRCC***		***TX***
02-Dec-95	W	*C.dubia 7-day*	○	0	0	○	19.8	18.4			7	7.9	324	544	3300	<	0.2	1.0											
	W	*P.promelas 7-day*	○	10	3						7	7.9	324	544	3300	<	0.2	1.0											
	S	*C.dubia 7-day*	○	0	10	○	21.4	18.1			7	7.8	220	174	877	<	0.2	5.5											
	S	*P.promelas 7-day*	○	10	7						7	7.8	220	174	877	<	0.2	5.5											
	Rio Grande Laredo Water Treatment Plant Pump Intake														**13202**		**27°31'23"**	**99°31'26"**									***TNRCC***		***TX***
28-Jan-01	W	*C.dubia 7-day*	○	0	3	○	19.1	17.7			7	8.3	122	258	735	<	0.1	0.4											
	W	*P.promelas 7-day*	○	0	3						7	8.3	122	258	735	<	0.1	0.4											
	S	*C.dubia 7-day*	○	3	3	○	19.5	17.7			7	8.3	292	187	597		0.2	2.4											
	S	*P.promelas 7-day*	○	0	0						7	8.3	292	187	597		0.2	2.4											
01-Apr-01	W	*C.dubia 7-day*	○	0	0	○	16.7	17.5			7	8.2	74	301	799	<	0.1	0.3											
	W	*P.promelas 7-day*	○	0	0						7	8.2	74	301	799	<	0.1	0.3											
	S	*C.dubia 7-day*	○	0	0	○	18.7	17.5			7	7.7	220	193	500	<	0.1	1.7											
	S	*P.promelas 7-day*	○	0	0						7	7.7	220	193	500	<	0.1	1.7											
22-May-01	W	*C.dubia 7-day*	○	20	0	○	14.2	17.8			7	8.2	130	273	975	<	0.1	0.5											
	W	*P.promelas 7-day*	○	3	0						7	8.2	130	273	975	<	0.1	0.5											
	S	*C.dubia 7-day*	○	10	0	○	17.9	18.5			7	8.1	155	168	534		4.9	1.2											
	S	*P.promelas 7-day*	○	3	0						7	8.1	155	168	534		4.9	1.2											
26-Aug-01	W	*C.dubia 7-day*	○	0	0	●	12.0	17.4			7	8.3	118	260	991	<	0.1	0.2											
	W	*P.promelas 7-day*	○	7	0						7	8.3	118	260	991	<	0.1	0.2											
	S	*C.dubia 7-day*	○	0	0	○	16.3	17.4			7	7.6	196	180	595	<	0.1	1.0											
	S	*P.promelas 7-day*	○	0	0						7	7.6	196	180	595	<	0.1	1.0											
	Rio Grande below Jefferson St Water Treatment Plant												**2304.0110**		**13203**		**27°36'14"**	**99°32'22"**									***TNRCC***		***TX***
23-Aug-89	W	*C.dubia 7-day*	○	0	0	○	18.5	20.1			7	8.3	125	316	983	<	0.1	0.6											
	W	*P.promelas 7-day*	○	7	7						7	8.3	125	316	983	<	0.1	0.6											
24-Mar-93	W	*C.dubia 7-day*	○	0	0	○	18.5	22.1			7	7.6	127	290	872	<	0.1	0.2											
	W	*P.promelas 7-day*	○	7	7						7	7.6	127	290	872	<	0.1	0.2											
	S	*C.dubia 7-day*	○	0	0	○	21.7	20.9			7	7.7	252	202	787	<	0.1	1.8											
	S	*P.promelas 7-day*	○	0	3						7	7.7	252	202	787	<	0.1	1.8											

Sample Types

W=Water
S=Sediment

● Significant Difference
○ No Significant Difference

Primary Endpoints

Crustaceans - mortality. Algae - decrease or increase in cell numbers.
Fish - mortality, teratogenicity, or abnormal swimming behaviour.

Secondary Endpoints

Average number of young per female - applicable only to *Ceriodaphnia dubia.*
Weight - applicable only to fish larval survival and growth test.

Station	Waterbody Description														Old Number	Station ID	Latitude	Longitude	County

Date Collected	Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)
Continued . . .	**Rio Grande below Jefferson St Water Treatment Plant**																	
31-Oct-99	W	*C.dubia 7-day*	○	30	0	◉	11.5	17.4			7	8.3	129	232	649	< 0.1	0.2	
	W	*P.promelas 7-day*	○	10	7						7	8.3	129	232	649	< 0.1	0.2	
23-May-00	W	*C.dubia 7-day*	○	0	0	○	18.7	18.4			7	8.1	122	275	785	< 0.1	0.2	
	W	*P.promelas 7-day*	○	7	3						7	8.1	122	275	785	< 0.1	0.2	
	Rio Grande at El Indio Weir														**15274**	**28°20'45"**	**100°18'35"**	***TNRCC*** ***TX***
30-Mar-98	W	*C.dubia 7-day*	○	0	0	○	19.3	17.0			7	8.1	138	248	1090	< 0.1	0.5	
	W	*P.promelas 7-day*	○	3	3						7	8.1	138	248	1090	< 0.1	0.5	
	Rio Grande at Alamo Grade														**15795**			***TNRCC*** ***TX***
16-Jan-01	W	*C.dubia 7-day*	○	0	0	○	16.3	17.4			7	8.3	242	431	1670	0.1	0.6	
	W	*P.promelas 7-day*	○	0	0						7	8.3	242	431	1670	0.1	0.6	
21-Aug-01	W	*C.dubia 7-day*	○	10	0	○	16.5	18.2			7	8.3	336	201	1630	< 0.1	0.3	
	W	*P.promelas 7-day*	○	3	0						7	8.3	336	201	1630	< 0.1	0.3	
26-Jan-04	S	*C.dubia 4-day*	○	0	5						4	8.2	271	494	2560	0.6	7.2	
	S	*P.promelas 4-day*	◉	98	0						4	8.2	271	494	2560	0.6	7.2	
17-May-04	W	*C.dubia 4-day*	○	0	0						4	7.7	116	175	820	0.5	2.5	
	W	*P.promelas 4-day*	○	5	2.5						4	7.7	116	175	820	0.5	2.5	
29-Nov-04	W	*C.dubia 4-day*	○	0	0						4	8.6	230	420	2380	0.3	0.8	
	W	*P.promelas 4-day*	○	2.5	0						4	8.6	230	420	2380	0.3	0.8	
31-May-05	W	*C.dubia 4-day*	○	0	5						4	7.9	148	208	877	0.8	0.4	
	W	*P.promelas 4-day*	○	0	0						4	7.9	148	208	877	0.8	0.4	
	S	*C.dubia 4-day*	○	5	0						4	7.8	120	188	916	0.6	1.3	
	S	*P.promelas 4-day*	○	0	0						4	7.8	120	188	916	0.6	1.3	
29-Aug-05	s	*C.dubia 4-day*	○	0	10						4	7.7	96	207	608	0.5	3.4	
	s	*P.promelas 4-day*	○	0	2.5						4	7.7	96	207	608	0.5	3.4	
30-Jan-06	w	*C.dubia 4-day*	○	0	10						4	8.3	201	304	2050	0.1	1.5	
	w	*P.promelas 4-day*	○	2.5	0						4	8.3	201	304	2050	0.1	1.5	
	s	*C.dubia 4-day*	○	0	5						4	7.9	86	186	667	0.1	0.1	
	s	*P.promelas 4-day*	○	0	0						4	7.9	86	186	667	0.1	0.1	
22-Jan-07	s	*C.dubia 4-day*	○	0	10						4	8.1	291	248	1202	0.1	0.8	
	s	*P.promelas 4-day*	○	0	0						4	8.1	291	248	1202	0.1	0.8	
	l	*C.dubia 4-day*	○	5	5						4	7.9	202	343	1889	< 0.1	2.9	
	l	*P.promelas 4-day*	○	0	0						4	7.9	202	343	1889	< 0.1	2.9	
30-Apr-07	w	*C.dubia 4-day*	○	0	0						4	8.6	275	478	1820	< 0.1	0.2	
	w	*P.promelas 4-day*	○	0	0						4	8.6	275	478	1820	< 0.1	0.2	
		C.dubia 4-day	○	10	0						4	7.4	188	176	869	< 0.1	3.3	
		P.promelas 4-day	○	0	2.5						4	7.4	188	176	869	< 0.1	3.3	
28-Jan-08	s	*C.dubia 4-day*	◉	15	0						4	7.1	114	214	768	< 0.1	6.0	

Sample Types
W=Water
S=Sediment

◉ Significant Difference
○ No Significant Difference

Primary Endpoints
Crustaceans - mortality. Algae - decrease or increase in cell numbers.
Fish - mortality, teratogenicity, or abnormal swimming behaviour.

Secondary Endpoints
Average number of young per female - applicable only to *Ceriodaphnia dubia.*
Weight - applicable only to fish larval survival and growth test.

Station	Waterbody Description																												
Date Collected	Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)											
Continued . . .	**Rio Grande at Alamo Grade**																												
28-Jan-08	s	*P.promelas 4-day*	○	0	0						4	7.1	114	214	768	< 0.1	6.0												
	l	*C.dubia 4-day*	○	5	5						4	8.9	194	356	1937	< 0.1	0.4												
	l	*P.promelas 4-day*	○	0	0						4	8.9	194	356	1937	< 0.1	0.4												
24-Mar-08	s	*C.dubia 4-day*	○	0	10						4	7.7	232	190	628	< 0.1	2.9												
25-Mar-08	l	*C.dubia 4-day*	○	0	0						4	8.4	188	352	2180	0.2	0.2												
	l	*P.promelas 4-day*	○	0	0						4	8.4	188	352	2180	0.2	0.2												
	Rio Grande at Bridge 2/Laredo														**15814**												***TNRCC***		***TX***
31-Oct-99	W	*C.dubia 7-day*	○	0	0	○	17.6	17.4			7	8.3	128	238	618	< 0.1	0.3												
	W	*P.promelas 7-day*	○	0	7						7	8.3	128	238	618	< 0.1	0.3												
23-May-00	W	*C.dubia 7-day*	○	0	0	○	18.4	18.4			7	8.2	126	271	801	< 0.1	0.1												
	W	*P.promelas 7-day*	○	0	3						7	8.2	126	271	801	< 0.1	0.1												
28-Jan-01	W	*C.dubia 7-day*	○	0	3	○	17.9	17.7			7	8.4	123	269	770	< 0.1	0.2												
	W	*P.promelas 7-day*	○	0	3						7	8.4	123	269	770	< 0.1	0.2												
29-Apr-01	W	*C.dubia 7-day*	○	0	0	◉	13.7	17.7			7	7.6	124	292	989	< 0.1	0.5												
	W	*P.promelas 7-day*	○	7	0						7	7.6	124	292	989	< 0.1	0.5												
27-Sep-01	W	*C.dubia 7-day*	○	0	0	○	17.6	17.6			7	8.0	134	268	835	< 0.1	0.4												
	W	*P.promelas 7-day*	○	0	3						7	8.0	134	268	835	< 0.1	0.4												
	Rio Grande at San Ygnacio														**15818**												***TNRCC***		***TX***
31-Oct-99	W	*C.dubia 7-day*	○	0	0	○	18.0	17.4			7	8.2	133	245	602	< 0.1	0.1												
	W	*P.promelas 7-day*	○	0	7						7	8.2	133	245	602	< 0.1	0.1												
23-May-00	W	*C.dubia 7-day*	○	0	0	○	19.3	18.4			7	8.1	119	272	790	< 0.1	0.1												
	W	*P.promelas 7-day*	○	10	3						7	8.1	119	272	790	< 0.1	0.1												
28-Jan-01	W	*C.dubia 7-day*	○	3	3	○	20.1	17.7			7	8.2	128	281	753	< 0.1	0.8												
	W	*P.promelas 7-day*	○	3	3						7	8.2	128	281	753	< 0.1	0.8												
	S	*C.dubia 7-day*	○	7	3	○	20.2	17.7			7	8.3	249	199	602	< 0.1	1.1												
	S	*P.promelas 7-day*	○	7	0						7	8.3	249	199	602	< 0.1	1.1												
22-May-01	W	*C.dubia 7-day*	○	0	0	◉	13.3	17.8			7	8.2	126	270	810	< 0.1	< 0.2												
	W	*P.promelas 7-day*	○	0	0						7	8.2	126	270	810	< 0.1	< 0.2												
	S	*C.dubia 7-day*	○	0	0	○	18.3	18.5			7	8.0	360	192	513	5.8	1.3												
	S	*P.promelas 7-day*	○	0	0						7	8.0	360	192	513	5.8	1.3												
	Rio Grande at Columbia Bridge														**15839**				**27°42'06"**		**99°45'13"**						***TNRCC***		***TX***
31-Oct-99	W	*C.dubia 7-day*	○	0	0	○	17.9	17.4			7	8.4	128	233	644	< 0.1	0.3												
	W	*P.promelas 7-day*	○	0	7						7	8.4	128	233	644	< 0.1	0.3												
23-May-00	W	*C.dubia 7-day*	○	0	0	○	18.0	18.4			7	8.2	124	278	75	0.1	0.5												
	W	*P.promelas 7-day*	○	0	3						7	8.2	124	278	75	0.1	0.5												
28-Jan-01	W	*C.dubia 7-day*	○	3	3	○	18.7	17.7			7	8.3	124	260	741	< 0.1	0.5												
	W	*P.promelas 7-day*	○	3	3						7	8.3	124	260	741	< 0.1	0.5												

Sample Types

W=Water
S=Sediment

◉ Significant Difference
○ No Significant Difference

Primary Endpoints

Crustaceans - mortality. Algae - decrease or increase in cell numbers.
Fish - mortality, teratogenicity, or abnormal swimming behaviour.

Secondary Endpoints

Average number of young per female - applicable only to *Ceriodaphnia dubia.*
Weight - applicable only to fish larval survival and growth test.

Station	Waterbody Description	Old Number	Station ID	Latitude	Longitude	County	

Continued . . . **Rio Grande at Columbia Bridge**

Date Collected	Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)
22-May-01	W	*C.dubia 7-day*	○	10	0	○	16.8	17.8			7	8.2	133	280	970	< 0.1	0.5	
	W	*P.promelas 7-day*	○	7	0						7	8.2	133	280	970	< 0.1	0.5	

Rio Grande at Boquillas Canyon — 16193 — 29°12'00" — 102°54'00" — *TNRCC* — *TX*

Date Collected	Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)
01-Nov-98	W	*C.dubia 7-day*	○	10	0	○	17.6	18.4			7	8.2	175	446	1700	< 0.1	0.5	
	W	*P.promelas 7-day*	○	10	0						7	8.2	175	446	1700	< 0.1	0.5	
	S	*C.dubia 7-day*	○	0	0	○	18.6	18.4			7	7.7	232	228	750	< 0.1	0.6	
	S	*P.promelas 7-day*	○	0	0						7	7.7	232	228	750	< 0.1	0.6	

Lake Palestine — 16346 — 32°12'01" — 95°27'41" — *TNRCC* — *TX*

Date Collected	Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)
29-Jul-02	S	*C.dubia 4-day*	◉	50	0						4	8.3	108	107	385	0.6	5.2	
	S	*P.promelas 4-day*	○	5	0						4	8.3	108	107	385	0.6	5.2	
30-Sep-02	S	*C.dubia 4-day*	◉	35	0						4	7.2	140	116	417	0.6	4.1	
	S	*P.promelas 4-day*	○	12.5	2.5						4	7.2	140	116	417	0.6	4.1	
17-Mar-03	S	*C.dubia 4-day*	○	10	0						4	7.2	112	116	397	0.4	1.0	
	S	*P.promelas 4-day*	○	0	0						4	7.2	112	116	397	0.4	1.0	
07-Apr-03	S	*C.dubia 4-day*	◉	15	0						4	7.7	120	132	405	0.5	0.2	
	S	*P.promelas 4-day*	○	0	0						4	7.7	120	132	405	0.5	0.2	
05-May-03	S	*C.dubia 4-day*	◉	20	0						4	7.4	126	119	351	0.8	0.5	
	S	*P.promelas 4-day*	○	2.5	0						4	7.4	126	119	351	0.8	0.5	
09-Jun-03	S	*C.dubia 4-day*	○	0	0						4	7.3	123	115	412	4.8	2.8	
	S	*P.promelas 4-day*	○	2.5	2.5						4	7.3	123	115	412	4.8	2.8	

Leon Creek below confluence with No Name Creek on Lackland AFB — 18199 — *TNRCC* — *TX*

Date Collected	Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)
08-Mar-04	W	*C.dubia 4-day*	○	15	10						4	8.0	258	322	717	0.2	0.4	
	W	*P.promelas 4-day*	◉	50	2.5						4	8.0	258	322	717	0.2	0.4	
	S	*C.dubia 4-day*	○	0	0						4	7.6	278	277	633	0.8	2.6	
	S	*P.promelas 4-day*	○	0	0						4	7.6	278	277	633	0.8	2.6	
21-Jun-04	W	*C.dubia 4-day*	○	0	0						4	8.3	270	264	615	0.2	0.5	
	W	*P.promelas 4-day*	◉	73	0						4	8.3	270	264	615	0.2	0.5	
13-Sep-04	W	*C.dubia 4-day*	◉	20	5						4	8.0	353	308	656	0.2	0.4	
	W	*P.promelas 4-day*	◉	12.5	5						4	8.0	353	308	656	0.2	0.4	
	S	*C.dubia 4-day*	○	0	10						4	7.8	227	215	525	0.4	1.9	
	S	*P.promelas 4-day*	○	0	0						4	7.8	227	215	525	0.4	1.9	
13-Dec-04	W	*C.dubia 4-day*	○	5	5						4	7.8	370	336	714	0.2	0.5	
	W	*P.promelas 4-day*	○	10	0						4	7.8	370	336	714	0.2	0.5	

Neches River at FM279 — 28319 — *TNRCC* — *TX*

Date Collected	Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)
06-Mar-00	W	*P.promelas 7-day*	○	0	0						7	7.4	47	80	304	< 0.1	0.5	

Paper Mill Creek at FM 842 or Twin Oaks Road — PMC-A — 31°23'07" — 94°39'59" — *TNRCC* — *TX*

Sample Types
W=Water
S=Sediment

◉ Significant Difference
○ No Significant Difference

Primary Endpoints
Crustaceans - mortality. Algae - decrease or increase in cell numbers.
Fish - mortality, teratogenicity, or abnormal swimming behaviour.

Secondary Endpoints
Average number of young per female - applicable only to *Ceriodaphnia dubia.*
Weight - applicable only to fish larval survival and growth test.

Station	Waterbody Description														Old Number	Station ID	Latitude	Longitude	County	
Date Collected	Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)		
Continued . . .	**Paper Mill Creek at FM 842 or Twin Oaks Road**																			
06-May-03	W	*C.dubia 4-day*	○	0	5						4	8.5	517	93	2260	0.8	1.2			
	W	*P.promelas 4-day*	●	50	0						4	8.5	517	93	2260	0.8	1.2			
	S	*C.dubia 4-day*	○	10	0						4	7.9	286	76	678	2.2	11.0			
	S	*P.promelas 4-day*	●	100	0						1	7.9	286	76	678	2.2	11.0			
0214.00000	**Holliday Creek at Harding Street**												**0200.1250**		**10095**	**33°54'36"**	**98°28'12"**		***TNRCC***	***TX***
06-Nov-96	W	*C.dubia 7-day*	○	0	0	●	14.2	17.3			7	8.6	102	705	4170	< 0.2	0.6			
	W	*P.promelas 7-day*	○	0	3						7	8.6	102	705	4170	< 0.2	0.6			
	S	*C.dubia 7-day*	○	10	0	●	7.8	17.3			7	8.4	246	273	1010	0.5	1.2			
	S	*P.promelas 7-day*	○	3	3						7	8.4	246	273	1010	0.5	1.2			
0214.00000	**Plum Creek at Hwy 240**														**15316**	**33°56'00"**	**98°30'30"**		***TNRCC***	***TX***
04-Nov-96	W	*C.dubia 7-day*	○	0	0	○	16.1	17.3			7	8.0	148	874	4440	< 0.2	0.8			
	W	*P.promelas 7-day*	○	3	3						7	8.0	148	874	4440	< 0.2	0.8			
	S	*C.dubia 7-day*	○	0	0	○	16.9	17.3			7	8.5	214	277	1080	< 0.2	0.2			
	S	*P.promelas 7-day*	○	0	3						7	8.5	214	277	1080	< 0.2	0.2			
0214.00000	**Holliday Creek at Scott Street Bridge**														**15317**	**35°55'00"**	**98°29'30"**		***TNRCC***	***TX***
06-Nov-96	W	*C.dubia 7-day*	○	0	0	○	15.6	17.3			7	8.0	126	749	4300	< 0.2	0.7			
	W	*P.promelas 7-day*	○	0	3						7	8.0	126	749	4300	< 0.2	0.7			
	S	*C.dubia 7-day*	○	0	0	○	15.4	17.3			7	8.5	224	342	1170	0.3	1.3			
	S	*P.promelas 7-day*	○	7	3						7	8.5	224	342	1170	0.3	1.3			
0214.01600	**Wichita River at End of Eastland Lane**												**0214.0160**		**10148**	**33°56'15"**	**98°26'30"**		***TNRCC***	***TX***
04-Nov-92	W	*C.dubia 7-day*	○	0	10	●	8.9	16.3			7	7.9	204	1097	3710	< 0.1	0.5			
	W	*P.promelas 7-day*	○	0	0						7	7.9	204	1097	3710	< 0.1	0.5			
08-Jun-93	W	*C.dubia 7-day*	○	20	0	○	19.1	18.0			7	7.3	188	956	433	0.2	1.2			
	W	*P.promelas 7-day*	○	3	3						7	7.3	188	956	433	0.2	1.2			
0214.01800	**Wichita River at River Road**												**0214.0180**		**10149**	**33°55'48"**	**98°27'36"**		***TNRCC***	***TX***
04-Nov-96	W	*C.dubia 7-day*	○	0	0	○	20.5	17.1			7	8.1	136	961	4360	< 0.2	1.0			
	W	*P.promelas 7-day*	○	0	3						7	8.1	136	961	4360	< 0.2	1.0			
	S	*C.dubia 7-day*	○	0	0	○	18.0	17.3			7	8.4	206	277	1120	< 0.2	7.2			
	S	*P.promelas 7-day*	○	0	3						7	8.4	206	277	1120	< 0.2	7.2			
0214.01900	**Wichita River at SH 240**												**0214.0190**		**10150**	**33°55'12"**	**98°29'24"**		***TNRCC***	***TX***
05-Nov-96	W	*C.dubia 7-day*	○	0	0	●	5.5	17.1			7	8.2	172	1285	5600	< 0.2	0.2			
	W	*P.promelas 7-day*	○	0	3						7	8.2	172	1285	5600	< 0.2	0.2			
	S	*C.dubia 7-day*	○	0	0	○	15.9	17.3			7	8.4	298	372	1290	0.7	0.5			
	S	*P.promelas 7-day*	○	7	3						7	8.4	298	372	1290	0.7	0.5			
14-Aug-97	W	*C.dubia 7-day*	○	0	0	○	19.2	17.7			7	8.3	124	1040	5170	< 0.1	1.0			
	W	*P.promelas 7-day*	○	0	3						7	8.3	124	1040	5170	< 0.1	1.0			

Sample Types

W=Water
S=Sediment

● Significant Difference
○ No Significant Difference

Primary Endpoints

Crustaceans - mortality. Algae - decrease or increase in cell numbers.
Fish - mortality, teratogenicity, or abnormal swimming behaviour.

Secondary Endpoints

Average number of young per female - applicable only to *Ceriodaphnia dubia.*
Weight - applicable only to fish larval survival and growth test.

Station	Waterbody Description																												
																		Old Number	Station ID	Latitude	Longitude	County							
Date Collected	Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)											
Continued . . .	**Wichita River at SH 240**																												
14-Aug-97	S	*C.dubia 7-day*	○	0	0	○	20.4	17.7			7	7.7	272	360	1676		0.2	1.0											
	S	*P.promelas 7-day*	○	10	3						7	7.7	272	360	1676		0.2	1.0											
0301.00250	**Sulphur River at KCS Railroad Bridge below International Paper Company near Domino**																		**13783**	**33°16'20"**	**94°02'42"**	***TNRCC***							***TX***
14-Jun-94	W	*C.dubia 7-day*	○	0	10	○	18.0	18.7			7	6.4	82	127	212		0.2	0.4											
	W	*P.promelas 7-day*	○	13	7						7	6.4	82	127	212		0.2	0.4											
	S	*C.dubia 7-day*	○	10	0	○	24.1	21.4			7	6.9	181	211	476	<	0.1	1.8											
	S	*P.promelas 7-day*	○	7	7						7	6.9	181	211	476	<	0.1	1.8											
05-Dec-94	W	*C.dubia 7-day*	○	0	0	○	20.9	18.3			7	6.8	51	74	174		0.1	0.8											
	W	*P.promelas 7-day*	○	3	0						7	6.8	51	74	174		0.1	0.8											
	S	*C.dubia 7-day*	○	0	0	○	19.3	18.2			7	7.3	110	135	404	<	0.1	2.4											
	S	*P.promelas 7-day*	○	7	3						7	7.3	110	135	404	<	0.1	2.4											
0303.05000	**South Fork Sulphur River At SH 19 East Of Cooper**												**0303.0500**		**10222**					**33°21'36"**	**95°35'24"**	***TNRCC***							***TX***
21-Apr-98	W	*C.dubia 7-day*	○	0	0	○	16.8	17.3			7	7.8	82	96	220	<	0.1	0.7											
	W	*P.promelas 7-day*	○	3	3						7	7.8	82	96	220	<	0.1	0.7											
29-Jun-98	W	*C.dubia 7-day*	○	0	0	○	14.3	14.9			7	8.0	84	88	197	<	0.1	0.2											
	W	*P.promelas 7-day*	○	7	7						7	8.0	84	88	197	<	0.1	0.2											
08-Mar-99	W	*C.dubia 7-day*	○	0	0	○	18.8	18.1			7	7.9	73	71	152	<	0.1	0.5											
	W	*P.promelas 7-day*	○	3	0						7	7.9	73	71	152	<	0.1	0.5											
12-Jul-99	W	*C.dubia 7-day*	○	0	0	○	14.8	14.7			7	7.8	79	80	185	<	0.1	0.7											
	W	*P.promelas 7-day*	○	3	0						7	7.8	79	80	185	<	0.1	0.7											
0304.00000	**Waggoner Creek at Jamison Street Adjacent to the Koppras Site -- USEPA Superfund Site**														**14431**					**33°24'43"**	**94°03'52"**	***TNRCC***							***TX***
14-Mar-94	W	*C.dubia 7-day*	○	0	0	○	22.5	20.5			7	6.6	36	83	306	<	0.1	1.2											
	W	*P.promelas 7-day*	○	7	3						7	6.6	36	83	306	<	0.1	1.2											
	S	*C.dubia 7-day*	○	0	0	○	20.5	19.8			7	6.8	150	150	475	<	0.1	0.7											
	S	*P.promelas 7-day*	○	3	0						7	6.8	150	150	475	<	0.1	0.7											
0304.01000	**Days Creek at Stateline Road South of Texarkana**												**0304.0100**		**10226**					**33°22'15"**	**94°02'33"**	***TNRCC***							***TX***
25-Jan-93	W	*C.dubia 7-day*	○	0	0	○	21.8	19.2			7	6.8	28	41	144	<	0.1	1.08											
	W	*P.promelas 7-day*	○	0	3						7	6.8	28	41	144	<	0.1	1.08											
	S	*C.dubia 7-day*	○	0	0	○	21.4	19.2			7	6.7	171	165	375	<	0.1	2.4											
	S	*P.promelas 7-day*	○	10	3						7	6.7	171	165	375	<	0.1	2.4											
06-Jul-93	W	*C.dubia 7-day*	○	0	0	○	20.9	20.0			7	7.2	34	91	480	<	0.1	0.3											
	W	*P.promelas 7-day*	○	3	0						7	7.2	34	91	480	<	0.1	0.3											
	S	*C.dubia 7-day*	◉	60	0	◉	1.2	19.1			7	6.9	200	151	519	<	0.1	19.2											
	S	*P.promelas 7-day*	◉	100	10						7	6.9	200	151	519	<	0.1	19.2											
06-Dec-93	W	*C.dubia 7-day*	○	0	0	○	19.0	16.8			7	6.0	29	67	176	<	0.1	0.6											
	W	*P.promelas 7-day*	○	10	3						7	6.0	29	67	176	<	0.1	0.6											

Sample Types

W=Water
S=Sediment

◉ Significant Difference
○ No Significant Difference

Primary Endpoints

Crustaceans - mortality. Algae - decrease or increase in cell numbers.
Fish - mortality, teratogenicity, or abnormal swimming behaviour.

Secondary Endpoints

Average number of young per female - applicable only to *Ceriodaphnia dubia.*
Weight - applicable only to fish larval survival and growth test.

Station	Waterbody Description													Old Number	Station ID	Latitude	Longitude	County	
Date Collected	Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)	
Continued . . .	**Days Creek at Stateline Road South of Texarkana**																		
06-Dec-93	S	*C.dubia 7-day*	◉	100	0	○					1	6.7	125	142	417	< 0.1	4.8		
	S	*P.promelas 7-day*	◉	100	3						2	6.7	125	142	417	< 0.1	4.8		
0304.01750	**Days Creek at Kerr McGee Immediately Downstream of Waggoner Creek Confluence**												**0304.0175**		**10228**	**33°23'35"**	**94°03'22"**	***TNRCC***	***TX***
14-Mar-94	W	*C.dubia 7-day*	○	0	0	○	21.3	20.5			7	6.2	46	67	257	< 0.1	1.0		
	W	*P.promelas 7-day*	○	3	3						7	6.2	46	67	257	< 0.1	1.0		
	S	*C.dubia 7-day*	○	0	0	○	16.8	19.8			7	6.4	127	138	411	< 0.1	0.2		
	S	*P.promelas 7-day*	○	7	0						7	6.4	127	138	411	< 0.1	0.2		
0304.02000	**Days Creek at Lubbock Street Adjacent to Texarkana Wood Preservative EPA Superfund Site**												**0304.0200**		**10229**	**33°24'19"**	**94°03'02"**	***TNRCC***	***TX***
14-Mar-94	W	*C.dubia 7-day*	○	0	0	○	21.5	20.5			7	6.1	55	67	255	< 0.1	2.6		
	W	*P.promelas 7-day*	○	0	3						7	6.1	55	67	255	< 0.1	2.6		
	S	*C.dubia 7-day*	○	0	0	○	22.4	19.8			7	7.0	146	146	450	< 0.1	0.5		
	S	*P.promelas 7-day*	○	3	0						7	7.0	146	146	450	< 0.1	0.5		
0401.01000	**Caddo Lake Mid-Lake**												**0401.0100**		**10283**	**32°41'25"**	**94°03'51"**	***TNRCC***	***TX***
16-Aug-95	S	*C.dubia 7-day*	○	0	0	○	16.2	19.3			7	7.2	116	95	381	< 0.2	3.7		
	S	*P.promelas 7-day*	○	10	7						7	7.2	116	95	381	< 0.2	3.7		
22-Jan-96	W	*C.dubia 7-day*	○	30	0	○	12.5	13.5			7	6.5	10	43	212	< 0.2	0.6		
	W	*P.promelas 7-day*	○	13	3						7	6.5	10	43	212	< 0.2	0.6		
	S	*C.dubia 7-day*	○	0	0	○	16.2	17.8			7	6.8	110	65	324	0.4	2.9		
	S	*P.promelas 7-day*	○	3	3						7	6.8	110	65	324	0.4	2.9		
0401.01300	**Caddo Lake South of Goose Island near Mouth of Harrison Bayou**														**10286**	**32°40'51"**	**94°06'24"**	***TNRCC***	***TX***
23-Oct-95	W	*C.dubia 7-day*	○	20	0	○	18.6	20.3			7	7.2	20	48	144	< 0.2	0.3		
	W	*P.promelas 7-day*	○	10	7						7	7.2	20	48	144	< 0.2	0.3		
	S	*C.dubia 7-day*	○	30	0	○	21.6	20.3			7	6.4	86	78	333	< 0.2	2.0		
	S	*P.promelas 7-day*	○	7	7						7	6.4	86	78	333	< 0.2	2.0		
22-Jan-96	W	*C.dubia 7-day*	○	0	0	○	12.5	13.5			7	7.0	26	52	296	< 0.2	0.5		
	W	*P.promelas 7-day*	○	0	3						7	7.0	26	52	296	< 0.2	0.5		
	S	*C.dubia 7-day*	○	0	0	○	17.9	17.8			7	6.6	118	85	383	< 0.2	1.9		
	S	*P.promelas 7-day*	○	3	3						7	6.6	118	85	383	< 0.2	1.9		
01-Jul-96	W	*C.dubia 7-day*	○	0	0	○	18.9	17.6			7	7.4	28	26	107	< 0.2	0.7		
	W	*P.promelas 7-day*	○	3	3						7	7.4	28	26	107	< 0.2	0.7		
	S	*C.dubia 7-day*	○	0	0	○	16.7	17.6			7	8.7	98	74	375	< 0.2	9.6		
	S	*P.promelas 7-day*	○	7	3						7	8.7	98	74	375	< 0.2	9.6		
0403.03000	**Lake O' the Pines at Lone Star Boat Ramp near Lone Star**												**0403.0300**		**10300**	**32°53'50"**	**94°43'00"**	***TNRCC***	***TX***
11-May-98	W	*C.dubia 7-day*	○	0	0	○	20.8	17.3			7	7.5	30	72	211	< 0.5	0.5		
	W	*P.promelas 7-day*	○	7	0						7	7.5	30	72	211	< 0.5	0.5		
13-Jul-98	W	*C.dubia 7-day*	○	0	0	○	18.5	17.6			7	7.6	84	64	301	0.2	0.1		

Sample Types

W=Water
S=Sediment

◉ Significant Difference
○ No Significant Difference

Primary Endpoints

Crustaceans - mortality. Algae - decrease or increase in cell numbers.
Fish - mortality, teratogenicity, or abnormal swimming behaviour.

Secondary Endpoints

Average number of young per female - applicable only to *Ceriodaphnia dubia.*
Weight - applicable only to fish larval survival and growth test.

Station	Waterbody Description																												
																		Old Number		Station ID		Latitude		Longitude		County			
Date Collected	Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)		Total Chlorine (mg/L)		Total Ammonia-N (mg/L)		Unionized Ammonia-N (mg/l)		
Continued . . .	**Lake O' the Pines at Lone Star Boat Ramp near Lone Star**																												
13-Jul-98	W	*P.promelas 7-day*	○	0	0						7	7.6	84	64	301		0.2		0.1										
12-Apr-99	W	*C.dubia 7-day*	○	0	0	○	19.3	18.7			7	7.1	31	57	179	<	0.1		1.0										
	W	*P.promelas 7-day*	○	3	0						7	7.1	31	57	179	<	0.1		1.0										
	S	*C.dubia 7-day*	○	0	0	○	19.2	18.7			7	7.6	133	207	316	<	0.1		9.6										
	S	*P.promelas 7-day*	○	0	0						7	7.6	133	207	316	<	0.1		9.6										
28-Jun-99	W	*C.dubia 7-day*	○	0	0	○	19.2	18.4			7	7.0	24	46	130	<	0.1		0.5										
	W	*P.promelas 7-day*	○	3	3						7	7.0	24	46	130	<	0.1		0.5										
	S	*C.dubia 7-day*	○	10	0	○	20.5	15.9			7	7.7	131	112	342	<	0.1		4.8										
	S	*P.promelas 7-day*	○	3	3						7	7.7	131	112	342	<	0.1		4.8										
0404.00000	**Tankersely Creek at FM 899**														**10264**										***TNRCC***		***TX***		
25-Aug-97	S	*C.dubia 7-day*	○	0	0	○	17.0	17.9			7	7.3	106	108	412	<	0.1		2.0										
	S	*P.promelas 7-day*	○	7	0						7	7.3	106	108	412	<	0.1		2.0										
0404.00000	**Ellison Creek Reservoir at Dam West of Lone Star Steel**														**14473**		**39°55'12"**		**94°43'48"**						***TNRCC***		***TX***		
30-Oct-95	W	*C.dubia 7-day*	○	20	0	○	20.1	17.5			7	6.4	26	83	247		0.3		0.5										
	W	*P.promelas 7-day*	○	3	3						7	6.4	26	83	247		0.3		0.5										
	S	*C.dubia 7-day*	●	100	0	○					4	8.1	164	165	389	<	0.2		21.6										
	S	*P.promelas 7-day*	○	17	3						7	8.1	164	165	389	<	0.2		21.6										
15-Jul-96	W	*C.dubia 7-day*	○	0	0	○	16.5	17.6			7	7.5	30	82	263	<	0.2		0.2										
	W	*P.promelas 7-day*	○	0	3						7	7.5	30	82	263	<	0.2		0.2										
	S	*C.dubia 7-day*	○	0	0	●	4.3	18.2			7	7.5	156	100	441	<	0.2		13.2										
	S	*P.promelas 7-day*	○	3	7						7	7.5	156	100	441	<	0.2		13.2										
03-Apr-01	S	*C.dubia 7-day*	●	100	0	○		18.4			1	7.4	146	137	410		0.1		3.6										
	S	*P.promelas 7-day*	○	0	0						7	7.4	146	137	410		0.1		3.6										
26-Jun-01	S	*C.dubia 7-day*	○	20	0	●	6.9	16.6			7	7.7	120	92	426	<	0.1		0.2										
	S	*P.promelas 7-day*	○	13	3						7	7.7	120	92	426	<	0.1		0.2										
30-Jul-01	S	*C.dubia 7-day*	●	100	0	○					1	7.1	125	99	493		0.4		14.4										
	S	*P.promelas 7-day*	●	27	8						7	7.1	125	99	493		0.4		14.4										
11-Feb-02	S	*C.dubia 4-day*	○	20	5						4	7.8	102	120	312		0.1		3.8										
	S	*P.promelas 4-day*	○	2.5	0						4	7.8	102	120	312		0.1		3.8										
22-Jul-02	S	*C.dubia 4-day*	●	100	0						1	8.6	180	230	407		0.8		9.2										
	S	*P.promelas 4-day*	●	50	2.5						4	8.6	180	230	407		0.8		9.2										
23-Sep-02	S	*C.dubia 4-day*	●	100	0						2	7.3	170	138	490		0.5		7.2										
	S	*P.promelas 4-day*	●	17.5	0						4	7.3	170	138	490		0.5		7.2										
07-Jul-03	S	*C.dubia 4-day*	●	65	0						4	7.1	145	113	321		5.2		7.2										
	S	*P.promelas 4-day*	○	2.5	0						4	7.1	145	113	321		5.2		7.2										
0404.00000	**Ellison Creek Reservoir in Arm**														**14994**		**32°55'42"**		**94°42'52"**						***TNRCC***		***TX***		
15-Jul-96	W	*C.dubia 7-day*	○	0	0	○	16.7	17.6			7	7.2	54	87	256	<	0.2		0.2										

Sample Types

W=Water
S=Sediment

● Significant Difference
○ No Significant Difference

Primary Endpoints

Crustaceans - mortality. Algae - decrease or increase in cell numbers.
Fish - mortality, teratogenicity, or abnormal swimming behaviour.

Secondary Endpoints

Average number of young per female - applicable only to *Ceriodaphnia dubia.*
Weight - applicable only to fish larval survival and growth test.

Station	Waterbody Description												Old Number	Station ID	Latitude	Longitude	County	
Date Collected	**Sample Type**	**Test Tyoe**	**Primary Endpoint**	**Test Percent Affected**	**Control Percent Affected**	**Secondary Endpoint**	**Test YPF**	**Control YPF**	**Test Weight (mg)**	**Control Weight (mg)**	**Test Duration (Days)**	**pH (S.U.)**	**Alkalinity (mg/L)**	**Hardness (mg/L)**	**Conductivity (umhos/cm)**	**Total Chlorine (mg/L)**	**Total Ammonia-N (mg/L)**	**Unionized Ammonia-N (mg/l)**
Continued . . .	**Ellison Creek Reservoir in Arm**																	
15-Jul-96	W	*P.promelas 7-day*	○	3	7						7	7.2	54	87	256	< 0.2	0.2	
	S	*C.dubia 7-day*	○	0	0	○	18.4	18.2			7	8.0	112	78	384	< 0.2	3.62	
	S	*P.promelas 7-day*	○	7	3						7	8.0	112	78	384	< 0.2	3.62	
0404.00000	**Swauano Creek at SH 11**													**15739**			***TNRCC***	***TX***
12-Aug-97	S	*C.dubia 7-day*	○	0	0	○	18.4	17.9			7	6.6	50	80	263	< 0.1	1.4	
	S	*P.promelas 7-day*	○	3	0						7	6.6	50	80	263	< 0.1	1.4	
0404.00200	**Big Cypress Creek Channel at US 259**												**0404.0020**	**10301**	**32°54'18"**	**94°43'25"**	***TNRCC***	***TX***
03-Dec-91	W	*C.dubia 7-day*	○	0	0	○	17.4	16.7			7	6.8	21	40	173	< 0.1	0.5	
	W	*P.promelas 7-day*	○	10	3						7	6.8	21	40	173	< 0.1	0.5	
11-Feb-92	W	*C.dubia 7-day*	○	0	0	○	17.1	17.5			7	6.4	23	47	186	< 0.1	0.4	
	W	*P.promelas 7-day*	○	7	10						7	6.4	23	47	186	< 0.1	0.4	
21-Mar-92	W	*C.dubia 7-day*	○	0	0	○	21.0	16.8			7	6.8	22	41	146	< 0.1	0.4	
	W	*P.promelas 7-day*	○	10	7						7	6.8	22	41	146	< 0.1	0.4	
04-Aug-92	W	*C.dubia 7-day*	○	0	0	○	18.2	17.4			7	7.1	26	45	150	< 0.1	0.4	
	W	*P.promelas 7-day*	○	3	10						7	7.1	26	45	150	< 0.1	0.4	
12-Jan-93	W	*C.dubia 7-day*	○	10	0	○	18.9	20.1			7	6.6	19	33	120	< 0.1	0.36	
	W	*P.promelas 7-day*	○	7	7						7	6.6	19	33	120	< 0.1	0.36	
	S	*C.dubia 7-day*	○	10	0	○	19.7	20.7			7	6.8	216	239	438	< 0.1	4.08	
	S	*P.promelas 7-day*	○	0	3						7	6.8	216	239	438	< 0.1	4.08	
28-Jun-93	W	*C.dubia 7-day*	○	0	0	○	22.1	20.0			7	6.7	25	52	194	< 0.1	0.5	
	W	*P.promelas 7-day*	○	7	0						7	6.7	25	52	194	< 0.1	0.5	
	S	*C.dubia 7-day*	○	0	0	○	22.3	20.0			7	6.6	137	163	374	< 0.1	1.9	
	S	*P.promelas 7-day*	○	0	0						7	6.6	137	163	374	< 0.1	1.9	
15-Aug-95	S	*C.dubia 7-day*	○	0	0	○	18.0	19.3			7	7.1	158	147	481	< 0.2	8.4	
	S	*P.promelas 7-day*	○	0	7						7	7.1	158	147	481	< 0.2	8.4	
0404.01000	**Big Cypress at SH 11 East of Pittsburg**												**0404.0100**	**10308**	**33°01'19"**	**94°52'52"**	***TNRCC***	***TX***
04-May-98	W	*C.dubia 7-day*	○	0	0	○	18.7	16.8			7	8.2	66	184	585	< 0.1	0.4	
	W	*P.promelas 7-day*	○	0	7						7	8.2	66	184	585	< 0.1	0.4	
	S	*C.dubia 7-day*	○	0	0	○	14.2	16.8			7	8.2	128	128	465	< 0.1	2.0	
	S	*P.promelas 7-day*	○	10	7						7	8.2	128	128	465	< 0.1	2.0	
06-Jul-98	W	*C.dubia 7-day*	○	0	0	○	19.0	14.9			7	7.8	98	268	1125	< 0.1	0.4	
	W	*P.promelas 7-day*	○	3	3						7	7.8	98	268	1125	< 0.1	0.4	
	S	*C.dubia 7-day*	●	70	0	●	1.4	14.9			7	7.4	190	200	584	0.1	0.4	
	S	*P.promelas 7-day*	○	7	3						7	7.4	190	200	584	0.1	0.4	
29-Mar-99	W	*C.dubia 7-day*	○	0	0	○	16.4	16.7			7	7.0	32	68	202	0.1	0.5	
	W	*P.promelas 7-day*	○	3	10						7	7.0	32	68	202	0.1	0.5	
	S	*C.dubia 7-day*	○	0	0	●	12.9	16.7			7	7.0	32	68	202	0.1	0.5	

Sample Types
W=Water ● Significant Difference
S=Sediment ○ No Significant Difference

Primary Endpoints
Crustaceans - mortality. Algae - decrease or increase in cell numbers.
Fish - mortality, teratogenicity, or abnormal swimming behaviour.

Secondary Endpoints
Average number of young per female - applicable only to *Ceriodaphnia dubia.*
Weight - applicable only to fish larval survival and growth test.

Station	Waterbody Description																						
														Old Number	Station ID	Latitude	Longitude	County					
Date Collected	Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)					
Continued . . .	**Big Cypress at SH 11 East of Pittsburg**																						
29-Mar-99	S	*P.promelas 7-day*	○	3	10						7	7.0	32	68	202		0.1	0.5					
26-Jul-99	W	*C.dubia 7-day*	○	0	0	○	18.2	17.0			7	7.6	73	252	843		0.1	0.8					
	W	*P.promelas 7-day*	○	0	3						7	7.6	73	252	843		0.1	0.8					
	S	*C.dubia 7-day*	○	0	0	○	15.9	17.0			7	8.0	119	120	402		0.1	0.6					
	S	*P.promelas 7-day*	○	7	3						7	8.0	119	120	402		0.1	0.6					
31-Jan-00	S	*C.dubia 7-day*	○	0	0	○	19.7	17.8			7	8.2	199	156	432	<	0.1	2.0					
	S	*P.promelas 7-day*	○	0	0						7	8.2	199	156	432	<	0.1	2.0					
18-Jul-00	S	*C.dubia 7-day*	○	0	0	○	16.6	16.9			7	7.7	227		456	<	0.1	2.9					
	S	*P.promelas 7-day*	○	0	3						7	7.7	227		456	<	0.1	2.9					
0409.03000	**Little Cypress Creek at US 59 South of Jefferson**												**0409.0300**		**10332**	**32°42'43"**	**64°20'46"**		***TNRCC***		***TX***		
18-May-98	W	*C.dubia 7-day*	○	0	0	○	18.0	16.2			7	7.0	24	68	148	<	0.1	0.4					
	W	*P.promelas 7-day*	○	10	0						7	7.0	24	68	148	<	0.1	0.4					
20-Jul-98	W	*C.dubia 7-day*	○	0	0	○	18.7	17.7			7	7.3	32	44	177	<	0.1	0.4					
	W	*P.promelas 7-day*	○	7	3						7	7.3	32	44	177	<	0.1	0.4					
08-Mar-99	W	*C.dubia 7-day*	◉	100	0	○	0.0	18.1			3	6.8	15	26	103	<	0.1	0.5					
	W	*P.promelas 7-day*	◉	100	0						5	6.8	15	26	103	<	0.1	0.5					
21-Jun-99	W	*C.dubia 7-day*	○	10	0	○	14.2	15.2			7	7.0	19	32	89	<	0.1	0.5					
	W	*P.promelas 7-day*	○	7	0						7	7.0	19	32	89	<	0.1	0.5					
02-Aug-99	W	*C.dubia 7-day*	○	0	0	○	17.6	17.6			7	7.4	32	37	124	<	0.1	0.6					
	W	*P.promelas 7-day*	○	7	0						7	7.4	32	37	124	<	0.1	0.6					
0409.05800	**Little Cypress Creek at Hwy 555, 5 Miles East of Gilmer**												**0409.0580**		**10334**	**32°44'20"**	**94°51'57"**		***TNRCC***		***TX***		
19-Jun-95	W	*C.dubia 7-day*	○	0	0	○	20.1	18.8			7	6.6	12	35	137	<	0.2	0.4					
	W	*P.promelas 7-day*	○	10	0						7	6.6	12	35	137	<	0.2	0.4					
26-Jun-95	S	*C.dubia 7-day*	○	10	0	○	17.6	18.5			7	6.8	60	70	293		0.3	0.6					
	S	*P.promelas 7-day*	○	7	3						7	6.8	60	70	293		0.3	0.6					
18-May-98	W	*C.dubia 7-day*	○	0	0	○	15.7	16.2			7	7.3	300	320	141	<	0.1	0.6					
	W	*P.promelas 7-day*	○	0	0						7	7.3	300	320	141	<	0.1	0.6					
20-Jul-98	W	*C.dubia 7-day*	○	20	0	◉	15.1	17.7			7	8.2	116	84	266	<	0.1	1.0					
	W	*P.promelas 7-day*	○	0	3						7	8.2	116	84	266	<	0.1	1.0					
0409	**Little Cypress Creek at FM 450**														**15773**	**32°37'25"**	**94°34'36"**		***TNRCC***		***TX***		
18-May-98	W	*C.dubia 7-day*	○	0	0	○	17.5	16.2			7	7.5	36	60	167	<	0.1	0.5					
	W	*P.promelas 7-day*	○	3	0						7	7.5	36	60	167	<	0.1	0.5					
20-Jul-98	W	*C.dubia 7-day*	○	0	0	○	19.8	17.7			7	7.6	56	56	177		0.1	0.5					
	W	*P.promelas 7-day*	○	0	3						7	7.6	56	56	177		0.1	0.5					
0505.03000	**Sabine River at AT&SF Railroad Southeast of Longview**												**0505.0300**		**10421**	**32°24'56"**	**94°36'12"**		***TNRCC***		***TX***		
09-Jan-90	W	*C.dubia 7-day*	○	0	0	○	17.3	16.2			7	7.1	55	53	256	<	0.1	<	0.1				

Sample Types

W=Water
S=Sediment

◉ Significant Difference
○ No Significant Difference

Primary Endpoints

Crustaceans - mortality. Algae - decrease or increase in cell numbers.
Fish - mortality, teratogenicity, or abnormal swimming behaviour.

Secondary Endpoints

Average number of young per female - applicable only to *Ceriodaphnia dubia.*
Weight - applicable only to fish larval survival and growth test.

Station	Waterbody Description																												
																		Old Number		Station ID		Latitude		Longitude		County			
Date Collected	Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)											
Continued . . .	**Sabine River at AT&SF Railroad Southeast of Longview**																												
09-Jan-90	W	*P.promelas 7-day*	○	3	7						7	7.1	55	53	256	<	0.1	<	0.1										
27-Mar-90	W	*C.dubia 7-day*	○	0	10	○	15.2	14.7			7	6.8	37	41	159	<	0.1		0.4										
	W	*P.promelas 7-day*	○	10	7						7	6.8	37	41	159	<	0.1		0.4										
09-Aug-90	W	*C.dubia 7-day*	○	0	0	○	18.2	18.7			7	7.3	36	53	263	<	0.1	<	0.1										
16-Oct-90	W	*C.dubia 7-day*	○	0	0	○	19.1	18.0			7	6.7	33	34	191	<	0.1		0.4										
	W	*P.promelas 7-day*	○	7	10						7	6.7	33	34	191	<	0.1		0.4										
04-Feb-91	W	*C.dubia 7-day*	○	0	10	○	18.0	15.5			7	7.1	64	40	179	<	0.1		0.5										
24-Apr-91	W	*C.dubia 7-day*	○	30	10	○	13.3	16.7			7	6.7	35	48	74	<	0.1		0.5										
	W	*P.promelas 7-day*	○	10	3						7	6.7	35	48	74	<	0.1		0.5										
07-Aug-91	W	*C.dubia 7-day*	○	10	10	○	14.7	17.2			7	7.6	76	46	445	<	0.1		0.3										
	W	*P.promelas 7-day*	○	7	10						7	7.6	76	46	445	<	0.1		0.3										
0601.08000	**Neches River Bridge on IH 10 Near Beaumont**												**0601.0800**		**10575**	**30°05'39"**		**94°05'24"**								***TNRCC***		***TX***	
13-Feb-90	W	*C.dubia 7-day*	○	10	10	○	15.9	17.9			7	7.0	77	119	362	<	0.1		0.7										
	W	*P.promelas 7-day*	○	7	3						7	7.0	77	119	362	<	0.1		0.7										
14-May-90	W	*C.dubia 7-day*	○	0	0	○	19.7	15.2			7	6.6	12	40	106	<	0.1		1.1										
27-Nov-90	W	*C.dubia 7-day*	○	0	0	○	19.5	16.7			7	6.2	23	140	1043	<	0.1		0.7										
	W	*P.promelas 7-day*	○	0	0						7	6.2	23	140	1043	<	0.1		0.7										
28-Feb-91	W	*C.dubia 7-day*	○	20	10	○	19.1	18.1			7	6.1	11	20	85	<	0.1		0.2										
	W	*P.promelas 7-day*	○	3	0						7	6.1	11	20	85	<	0.1		0.2										
15-Apr-91	W	*C.dubia 7-day*	○	0	0	○	17.8	16.4			7	6.3	16	24	106	<	0.1		0.7										
	W	*P.promelas 7-day*	○	15	7						7	6.3	16	24	106	<	0.1		0.7										
20-Aug-91	W	*C.dubia 7-day*	○	10	20	●	7.3	14.5			7	6.3	21	92	108	<	0.1		0.5										
	W	*P.promelas 7-day*	○	17	7						7	6.3	21	92	108	<	0.1		0.5										
0602.01000	**Neches River at US 96 East of Silsbee**												**0602.0100**		**10580**	**30°21'36"**		**94°05'24"**								***TNRCC***		***TX***	
08-Apr-98	W	*C.dubia 7-day*	○	0	0	○	16.0	16.6			7	7.0	42	44	149	<	0.1		0.4										
	W	*P.promelas 7-day*	○	0	3						7	7.0	42	44	149	<	0.1		0.4										
18-May-98	S	*C.dubia 7-day*	○	0	0	○	18.4	16.2			7	7.7	164	176	439	<	0.1		0.6										
	S	*P.promelas 7-day*	○	3	0						7	7.7	164	176	439	<	0.1		0.6										
04-Jun-98	W	*C.dubia 7-day*	○	0	0	○	14.8	16.0			7	7.2	24	64	151		0.2		0.4										
	W	*P.promelas 7-day*	○	7	3						7	7.2	24	64	151		0.2		0.4										
0606	**Neches River @ FM279**												**0606.0200**		**10596**	**32°21'53"**		**95°27'11"**								***TNRCC***		***TX***	
13-Apr-98	W	*C.dubia 7-day*	○	0	0	○	18.3	16.6			7	7.4	50	80	327	<	0.1		0.7										
	W	*P.promelas 7-day*	○	0	3						7	7.4	50	80	327	<	0.1		0.7										
22-Jun-98	W	*C.dubia 7-day*	○	0	0	○	18.3	14.9			7	7.6	68	76	605	<	0.1		0.6										
	W	*P.promelas 7-day*	○	0	3						7	7.6	68	76	605	<	0.1		0.6										
22-Mar-99	W	*C.dubia 7-day*	○	0	0	○	19.1	17.6			7	7.3	43	59	233	<	0.1		0.8										
	W	*P.promelas 7-day*	○	0	3						7	7.3	43	59	233	<	0.1		0.8										

Sample Types

W=Water
S=Sediment

● Significant Difference
○ No Significant Difference

Primary Endpoints

Crustaceans - mortality. Algae - decrease or increase in cell numbers.
Fish - mortality, teratogenicity, or abnormal swimming behaviour.

Secondary Endpoints

Average number of young per female - applicable only to *Ceriodaphnia dubia.*
Weight - applicable only to fish larval survival and growth test.

Station	Waterbody Description																						
														Old Number	Station ID	Latitude	Longitude		County				
Date Collected	Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)					
Continued . . .	**Neches River @ FM279**																						
19-Jul-99	W	*C.dubia 7-day*	○	0	0	○	14.8	14.7			7	7.9	62	64	301		0.1	1.0					
	W	*P.promelas 7-day*	○	3	0						7	7.9	62	64	301		0.1	1.0					
0610.02000	**Sam Rayburn Reservoir at SH 103, 2.3 Miles West of Etoile**												**0610.0200**		**10613**	**31°22'24"**		**94°28'27"**		***TNRCC***		***TX***	
17-Aug-94	S	*C.dubia 7-day*	○	0	0	●	15.9	21.4			7	6.6	120	142	342	<	0.1	3.7					
	S	*P.promelas 7-day*	○	20	7						7	6.6	120	142	342	<	0.1	3.7					
16-May-95	S	*C.dubia 7-day*	○	10	0	○	20.8	19.7			7	7.3	104	100	351	<	0.2	3.7					
	S	*P.promelas 7-day*	○	13	3						7	7.3	104	100	351	<	0.2	3.7					
20-Aug-96	S	*C.dubia 7-day*	○	0	0	○	16.8	16.3			7	7.2	132	104	493								
	S	*P.promelas 7-day*	○	13	7						7	7.2	132	104	493								
0611.01000	**Angelina River Bridge on US 59 North of Lufkin**												**0611.0100**		**10627**	**31°27'27"**		**94°43'33"**		***TNRCC***		***TX***	
16-Jan-90	W	*C.dubia 7-day*	○	0	0	○	17.5	18.4			7	6.8	7	29	114	<	0.1	<	0.1				
	W	*P.promelas 7-day*	○	7	3						7	6.8	7	29	114	<	0.1	<	0.1				
27-Mar-90	W	*C.dubia 7-day*	○	0	10	○	16.5	14.7			7	7.0	23	49	165	<	0.1		0.7				
	W	*P.promelas 7-day*	○	3	7						7	7.0	23	49	165	<	0.1		0.7				
09-Aug-90	W	*C.dubia 7-day*	○	0	0	○	16.9	18.7			7	7.1	24	28	98	<	0.1		0.6				
10-Oct-90	W	*C.dubia 7-day*	○	0	0	○	18.8	16.5			7	7.0	23	32	134	<	0.1		0.5				
11-Feb-91	W	*C.dubia 7-day*	○	0	0	○	16.5	15.1			7	5.9	11	44	151	<	0.1	<	0.5				
30-Apr-91	W	*C.dubia 7-day*	○	0	10	○	15.3	15.2			7	6.7	24	36	78	<	0.1		0.2				
	W	*P.promelas 7-day*	○	10	3						7	6.7	24	36	78	<	0.1		0.2				
28-Aug-91	W	*C.dubia 7-day*	○	0	0	○	16.1	14.4			7	6.9	21	16	111	<	0.1		0.4				
18-Feb-98	W	*C.dubia 7-day*	○	0	0	●	18.5	21.0			7	6.7	8	40	131	<	0.1		7.2				
	W	*P.promelas 7-day*	○	0	3						7	6.7	8	40	131	<	0.1		7.2				
	S	*C.dubia 7-day*	○	0	0	○	18.5	16.5			7	7.5	186	188	523	<	0.1		0.4				
	S	*P.promelas 7-day*	○	3	0						7	7.5	186	188	523	<	0.1		0.4				
13-Aug-98	W	*C.dubia 7-day*	○	0	0	○	18.5	17.4			7	7.6	60	53	177		0.1		0.6				
	W	*P.promelas 7-day*	○	0	3						7	7.6	60	53	177		0.1		0.6				
26-Jul-99	W	*C.dubia 7-day*	○	10	0	●	9.7	17.0			7	7.4	34	40	111	<	0.1		0.7				
	W	*P.promelas 7-day*	○	7	3						7	7.4	34	40	111	<	0.1		0.7				
22-May-01	W	*C.dubia 7-day*	○	0	0	○	16.6	18.5			7	7.1	30	40	144	<	0.1		0.2				
	W	*P.promelas 7-day*	○	3	0						7	7.1	30	40	144	<	0.1		0.2				
15-Aug-01	W	*C.dubia 7-day*	○	0	0	●	11.4	17.4			7	7.6	38	46	194	<	0.1		0.2				
	W	*P.promelas 7-day*	○	0	3						7	7.6	38	46	194	<	0.1		0.2				
29-Apr-02	W	*C.dubia 4-day*	○	5	0						4	7.7	32	43	156		0.4		0.4				
	W	*P.promelas 4-day*	●	17.5	5						4	7.7	32	43	156		0.4		0.4				
09-Jul-02	W	*C.dubia 4-day*	○	10	0						4	8.0	31	35	137		0.5		0.2				
	W	*P.promelas 4-day*	●	25	5						4	8.0	31	35	137		0.5		0.2				
15-Jan-03	W	*C.dubia 4-day*	○	0	0						4	7.0	16	36	142		0.4		0.4				

Sample Types

W=Water
S=Sediment

● Significant Difference
○ No Significant Difference

Primary Endpoints

Crustaceans - mortality. Algae - decrease or increase in cell numbers.
Fish - mortality, teratogenicity, or abnormal swimming behaviour.

Secondary Endpoints

Average number of young per female - applicable only to *Ceriodaphnia dubia.*
Weight - applicable only to fish larval survival and growth test.

Station	Waterbody Description													Old Number	Station ID	Latitude	Longitude	County	
Date Collected	Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)	
Continued . . .	**Angelina River Bridge on US 59 North of Lufkin**																		
15-Jan-03	W	*C.dubia 4-day*	○	0	0						4	7.0	16	36	139	0.4	0.4		
	W	*P.promelas 4-day*	○	0	0						4	7.0	16	36	142	0.4	0.4		
	W	*P.promelas 4-day*	○	0	0						4	7.0	16	36	139	0.4	0.4		
21-Jul-03	W	*C.dubia 4-day*	○	0	0						4	7.5	35	39	195	0.5	0.4		
	W	*P.promelas 4-day*	○	2.5	0						4	7.5	35	39	195	0.5	0.4		
25-Apr-05	W	*C.dubia 4-day*	○	5	10						4	7.2	32	36	167	0.3	0.4		
	W	*P.promelas 4-day*	○	2.5	0						4	7.2	32	36	167	0.3	0.4		
22-Aug-05	w	*C.dubia 4-day*	○	0	5						4	7.9	50	40	170	0.4	0.6		
	w	*P.promelas 4-day*	○	0	0						4	7.9	50	40	170	0.4	0.6		
06-Feb-06	w	*C.dubia 4-day*	○	0	5						4	6.2	6	41	130	0.1	0.7		
	w	*P.promelas 4-day*	○	0	0						4	6.2	6	41	130	0.1	0.7		
24-Apr-06	w	*C.dubia 4-day*	○	0	5						4	7.1	20	37	121	< 0.1	0.3		
	w	*P.promelas 4-day*	○	0	0						4	7.1	20	37	121	< 0.1	0.3		
24-Jul-06	I	*C.dubia 4-day*	○	20	10						4	7.5	65	94	201	< 0.1	0.2		
	I	*P.promelas 4-day*	○	0	0						4	7.5	65	94	201	< 0.1	0.2		
23-Oct-06	I	*C.dubia 4-day*	○	5	10						4	7.5	42	62	193	< 0.1	0.4		
	I	*P.promelas 4-day*	○	0	0						4	7.5	42	62	193	< 0.1	0.4		
26-Mar-07	I	*C.dubia 4-day*	○	10	10						4	6.9	31	48	206	< 0.1	0.6		
	I	*P.promelas 4-day*	○	0	0						4	6.9	31	48	206	< 0.1	0.6		
0613.01000	**Lake Tyler Mid-Lake near Dam**												**0613.0100**	**10637**	**32°14'30"**	**95°10'33"**	***TNRCC***	***TX***	
16-Aug-95	S	*C.dubia 7-day*	◉	100	0	○					1	6.9	144	130	451	< 0.2	8.4		
	S	*P.promelas 7-day*	○	17	7						7	6.9	144	130	451	< 0.2	8.4		
0615.00000	**Paper Mill Creek Upper Bifurcation Channel, Just Upstream of Angelina River Confluence**												**0615.0000**	**10502**	**31°26'36"**	**94°38'27"**	***TNRCC***	***TX***	
08-Jun-94	W	*C.dubia 7-day*	○	0	0	○	17.5	18.6			7	7.6	204	186	2480	< 0.1	9.6		
	W	*P.promelas 7-day*	○	7	3						7	7.6	204	186	2480	< 0.1	9.6		
17-Aug-94	W	*C.dubia 7-day*	○	0	0	◉	14.9	21.4			7	7.7	225	201	2230	< 0.1	0.1		
	W	*P.promelas 7-day*	◉	50	7						7	7.7	225	201	2230	< 0.1	0.1		
29-Nov-94	W	*C.dubia 7-day*	○	10	0	◉	1.8	16.9			7	7.9	238	113	2450	< 0.1	7.2		
	W	*P.promelas 7-day*	○	10	7						7	7.9	238	113	2450	< 0.1	7.2		
08-Aug-95	W	*C.dubia 7-day*	○	10	0	○	17.4	16.3			7	8.1	268	143	2640	< 0.2	7.2		
	W	*P.promelas 7-day*	○	13	7						7	8.1	268	143	2640	< 0.2	7.2		
02-Nov-95	W	*C.dubia 7-day*	○	20	0	◉	3.2	17.5			7	7.8	234	191	2390	< 0.2	24.0		
	W	*P.promelas 7-day*	○	13	3						7	7.8	234	191	2390	< 0.2	24.0		
29-Jan-96	W	*C.dubia 7-day*	○	10	0	○	15.9	13.5			7	8.1	226	126	2540	< 0.2	7.2		
	W	*P.promelas 7-day*	○	3	3						7	8.1	226	126	2540	< 0.2	7.2		
17-Apr-96	W	*P.promelas 7-day*	○	10	0						7	7.9	264	151	2840	< 0.2	17.0		
08-Aug-96	W	*C.dubia 7-day*	○	0	0	○	20.6	16.4			7	7.6	248	108	2420	< 0.2	10.8		

Sample Types

W=Water
S=Sediment

◉ Significant Difference
○ No Significant Difference

Primary Endpoints

Crustaceans - mortality. Algae - decrease or increase in cell numbers.
Fish - mortality, teratogenicity, or abnormal swimming behaviour.

Secondary Endpoints

Average number of young per female - applicable only to *Ceriodaphnia dubia.*
Weight - applicable only to fish larval survival and growth test.

Station	Waterbody Description																			Old Number	Station ID	Latitude	Longitude	County
Date Collected	Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)						
Continued . . .	**Paper Mill Creek Upper Bifurcation Channel, Just Upstream of Angelina River Confluence**																							
08-Aug-96	W	*P.promelas 7-day*	○	7	0						7	7.6	248	108	2420	< 0.2	10.8							
20-Jan-99	W	*C.dubia 7-day*	○	0	0	◉	16.3	18.6			7	8.0	270		1760	< 0.1	2.2							
	W	*P.promelas 7-day*	○	0	0						7	8.0	270		1760	< 0.1	2.2							
27-Jul-99	W	*C.dubia 7-day*	◉	90	0	◉	0.5	17.0			7	8.0	300	100	2350	< 0.1	9.6							
	W	*P.promelas 7-day*	○	13	3						7	8.0	300	100	2350	< 0.1	9.6							
10-Apr-00	W	*C.dubia 7-day*	○	0	0	○	17.6	18.2			7	7.9	270	140	2010	< 0.1	1.3							
	W	*P.promelas 7-day*	○	0	0						7	7.9	270	140	2010	< 0.1	1.3							
11-Jul-00	W	*C.dubia 7-day*	○	0	0	◉	7.7	17.5			7	8.0	308	92	2080	< 0.1	3.0							
	W	*P.promelas 7-day*	○	7	7						7	8.0	308	92	2080	< 0.1	3.0							
22-May-01	W	*C.dubia 7-day*	○	0	0	○	17.9	18.5			7	7.3	37	44	194	< 0.1	0.4							
	W	*P.promelas 7-day*	○	3	0						7	7.3	37	44	194	< 0.1	0.4							
15-Aug-01	W	*C.dubia 7-day*	○	0	0	○	20.1	17.4			7	8.1	42	50	1420	< 0.1	2.0							
	W	*P.promelas 7-day*	○	3	3						7	8.1	42	50	1420	< 0.1	2.0							
29-Apr-02	W	*C.dubia 4-day*	○	5	0						4	8.5	313	105	1495	0.4	0.8							
	W	*P.promelas 4-day*	○	10	5						4	8.5	313	105	1495	0.4	0.8							
09-Jul-02	W	*C.dubia 4-day*	○	10	0						4	8.4	112	61	58	0.7	0.5							
	W	*P.promelas 4-day*	◉	15	5						4	8.4	112	61	58	0.7	0.5							
15-Jan-03	W	*C.dubia 4-day*	○	0	0						4	7.4	79	88	530	0.5	0.4							
	W	*P.promelas 4-day*	○	0	0						4	7.4	79	88	530	0.5	0.4							
05-May-03	W	*C.dubia 4-day*	○	0	5						4	8.2	433	92	1874	0.8	2.9							
	W	*C.dubia 4-day*	○	0	0						4	8.2	433	92	1874	0.8	2.9							
	S	*C.dubia 4-day*	◉	30	0						4	7.0	175	138	572	9	1.8							
	S	*P.promelas 4-day*	◉	15	0						4	7.0	175	138	572	9	1.8							
21-Jul-03	W	*C.dubia 4-day*	○	0	0						4	8.2	326	100	2100	0.7	0.8							
	W	*P.promelas 4-day*	○	17.5	0						4	8.2	326	100	2100	0.7	0.8							
25-Apr-05	W	*C.dubia 4-day*	○	5	10						4	7.7	85	76	415	0.3	0.6							
	W	*P.promelas 4-day*	○	0	0						4	7.7	85	76	415	0.3	0.6							
22-Aug-05	w	*C.dubia 4-day*	○	0	5						4	8.3	144	36	424	0.5	0.7							
	w	*P.promelas 4-day*	○	0	0						4	8.3	144	36	424	0.5	0.7							
06-Feb-06	w	*C.dubia 4-day*	○	0	5						4	7.1	64	100	313	< 0.1	1.2							
	w	*P.promelas 4-day*	○	0	0						4	7.1	64	100	313	< 0.1	1.2							
24-Apr-06	w	*C.dubia 4-day*	○	5	5						4	8.0	174	54	499	< 0.1	0.4							
	w	*P.promelas 4-day*	○	0	0						4	8.0	174	54	499	< 0.1	0.4							
24-Jul-06	w	*C.dubia 4-day*	○	30	10						4	8.0	188	31	457	< 0.1	0.3							
	w	*P.promelas 4-day*	○	0	0						4	8.0	188	31	457	< 0.1	0.3							
23-Oct-06	I	*C.dubia 4-day*	○	5	10						4	7.9	79	101	361	< 0.1	0.2							
	I	*P.promelas 4-day*	○	0	0						4	7.9	79	101	361	< 0.1	0.2							
26-Mar-07	I	*C.dubia 4-day*	○	10	10						4	7.3	72	111	494	< 0.1	0.7							

Sample Types

W=Water
S=Sediment

◉ Significant Difference
○ No Significant Difference

Primary Endpoints

Crustaceans - mortality. Algae - decrease or increase in cell numbers.
Fish - mortality, teratogenicity, or abnormal swimming behaviour.

Secondary Endpoints

Average number of young per female - applicable only to *Ceriodaphnia dubia.*
Weight - applicable only to fish larval survival and growth test.

Station	***Waterbody Description***												***Old Number***	***Station ID***	***Latitude***	***Longitude***	***County***	
Date Collected	**Sample Type**	**Test Tyoe**	**Primary Endpoint**	**Test Percent Affected**	**Control Percent Affected**	**Secondary Endpoint**	**Test YPF**	**Control YPF**	**Test Weight (mg)**	**Control Weight (mg)**	**Test Duration (Days)**	**pH (S.U.)**	**Alkalinity (mg/L)**	**Hardness (mg/L)**	**Conductivity (umhos/cm)**	**Total Chlorine (mg/L)**	**Total Ammonia-N (mg/L)**	**Unionized Ammonia-N (mg/l)**
Continued . . .	**Paper Mill Creek Upper Bifurcation Channel, Just Upstream of Angelina River Confluence**																	
26-Mar-07	I	*P.promelas 4-day*	○	0	0						4	7.3	72	111	494	< 0.1	0.7	
0615.00700	**Sam Rayburn Reservoir - Angelina River 0.7km downstream of confluence with Paper Mill Creek**												**0615.0070**	**10621**	**31°26'40"**	**94°37'53"**	***TNRCC***	***TX***
20-Jan-99	W	*C.dubia 7-day*	○	0	0	○	19.7	18.6			7	7.5	36	47	284	< 0.1	1.0	
	W	*P.promelas 7-day*	○	3	0						7	7.5	36	47	284	< 0.1	1.0	
26-Jul-99	W	*C.dubia 7-day*	○	0	0	○	16.8	17.0			7	7.7	100	49	588	< 0.1	1.7	
	W	*P.promelas 7-day*	○	0	3						7	7.7	100	49	588	< 0.1	1.7	
10-Apr-00	W	*C.dubia 7-day*	○	0	0	○	18.8	18.2			7	7.2	31	44	292	< 0.1	0.4	
	W	*P.promelas 7-day*	○	7	0						7	7.2	31	44	292	< 0.1	0.4	
11-Jul-00	W	*C.dubia 7-day*	○	0	0	○	17.2	17.5			7	7.9	112	60	740	0.1	1.1	
	W	*P.promelas 7-day*	○	10	7						7	7.9	112	60	740	0.1	1.1	
22-May-01	W	*C.dubia 7-day*	○	0	0	○	17.6	18.5			7	7.6	64	50	380	< 0.1	0.5	
	W	*P.promelas 7-day*	○	7	0						7	7.6	64	50	380	< 0.1	0.5	
15-Aug-01	W	*C.dubia 7-day*	○	0	0	○	18.0	17.4			7	7.9	36	48	932	< 0.1	1.3	
	W	*P.promelas 7-day*	○	3	3						7	7.9	36	48	932	< 0.1	1.3	
29-Apr-02	W	*C.dubia 4-day*	○	5	0						4	7.8	56	53	279	0.4	0.6	
	W	*P.promelas 4-day*	○	7.5	5						4	7.8	56	53	279	0.4	0.6	
09-Jul-02	W	*C.dubia 4-day*	○	0	0						4	8.1	44	45	226	0.5	0.4	
	W	*P.promelas 4-day*	◉	12.5	5						4	8.1	44	45	226	0.5	0.4	
15-Jan-03	W	*C.dubia 4-day*	○	0	0						4	6.9	16	38	148	0.7	0.7	
	W	*P.promelas 4-day*	○	2.5	0						4	6.9	16	38	148	0.7	0.7	
21-Jul-03	W	*C.dubia 4-day*	○	0	0						4	7.8	109	57	618	0.8	0.6	
	W	*P.promelas 4-day*	◉	7.5	0						4	7.8	109	57	618	0.8	0.6	
0615.00800	**Sam Rayburn Reservoir 0.75km upstream of confluence of Paper Mill Creek**												**0615.0080**	**10623**	**31°26'58"**	**94°38'21"**	***TNRCC***	***TX***
17-Feb-98	W	*C.dubia 7-day*	○	0	0	◉	18.7	21.0			7	6.8	10	36	122	< 0.1	0.4	
	W	*P.promelas 7-day*	○	7	3						7	6.8	10	36	122	< 0.1	0.4	
	S	*C.dubia 7-day*	○	0	0	○	15.7	16.5			7	7.5	92	116	333	< 0.1	1.9	
	S	*P.promelas 7-day*	○	0	0						7	7.5	92	116	333	< 0.1	1.9	
13-Aug-98	W	*C.dubia 7-day*	○	0	0	○	18.4	17.4			7	7.4	56	36	170	0.2	0.48	
	W	*P.promelas 7-day*	○	7	3						7	7.4	56	36	170	0.2	0.48	
27-Jul-99	W	*C.dubia 7-day*	○	0	0	○	14.8	17.0			7	7.6	34	46	117	< 0.1	0.6	
	W	*P.promelas 7-day*	○	0	3						7	7.6	34	46	117	< 0.1	0.6	
22-May-01	W	*C.dubia 7-day*	○	0	0	○	17.9	18.5			7	7.2	32	40	148	< 0.1	0.4	
	W	*P.promelas 7-day*	○	3	0						7	7.2	32	40	148	< 0.1	0.4	
15-Aug-01	W	*C.dubia 7-day*	○	0	0	○	18.9	17.4			7	7.5	36	50	255	< 0.1	0.3	
	W	*P.promelas 7-day*	○	7	3						7	7.5	36	50	255	< 0.1	0.3	
29-Apr-02	W	*C.dubia 4-day*	○	0	0						4	8.2	35	44	164	0.3	0.5	
	W	*P.promelas 4-day*	○	5	5						4	8.2	35	44	164	0.3	0.5	

Sample Types

W=Water
S=Sediment

◉ Significant Difference
○ No Significant Difference

Primary Endpoints

Crustaceans - mortality. Algae - decrease or increase in cell numbers.
Fish - mortality, teratogenicity, or abnormal swimming behaviour.

Secondary Endpoints

Average number of young per female - applicable only to *Ceriodaphnia dubia.*
Weight - applicable only to fish larval survival and growth test.

Station / Date Collected	Sample Type	Waterbody Description / Test Type	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Old Number / Alkalinity (mg/L)	Hardness (mg/L)	Station ID / Conductivity (umhos/cm)	Latitude / Total Chlorine (mg/L)	Longitude / Total Ammonia-N (mg/L)	County / Unionized Ammonia-N (mg/l)
Continued . . .		**Sam Rayburn Reservoir 0.75km upstream of confluence of Paper Mill Creek**																
09-Jul-02	W	*C.dubia 4-day*	○	5	0						4	7.9	31	36	158	0.4	0.2	
	W	*P.promelas 4-day*	○	7.5	5						4	7.9	31	36	158	0.4	0.2	
15-Jan-03	W	*C.dubia 4-day*	○	0	0						4	6.8	16	34	135	0.5	0.4	
	W	*P.promelas 4-day*	○	0	0						4	6.8	16	34	135	0.5	0.4	
21-Jul-03	W	*C.dubia 4-day*	○	10	0						4	7.6	35	40	167	0.6	0.2	
	W	*P.promelas 4-day*	○	2.5	0						4	7.6	35	40	167	0.6	0.2	
0701.01000		**Taylor Bayou at SH 73 West of Port Arthur**											**0701.0100**		**10668**	**29°53'00"**	**94°03'00"**	***TNRCC*** ***TX***
23-Aug-95	S	*C.dubia 7-day*	○	0	0	○	21.2	19.3			7	7.4	154	117	548	< 0.2	9.6	
	S	*P.promelas 7-day*	○	13	7						7	7.4	154	117	548	< 0.2	9.6	
0702.00000		**Taylor Bayou approx 0.25 mi north of intracoastal canal**											**0700.0100**		**10640**	**29°49'55"**	**93°59'25"**	***TNRCC*** ***TX***
05-Aug-97	W	*C.variegatus 9-day*	○	0	0						9	8.0	84		11540	< 0.1	0.4	
	S	*C.variegatus 9-day*	○	3	0						9	7.2	216		26400	< 0.1	22.8	
18-Aug-99	S	*C.variegatus 9-day*	○	0	0						9	7.9	292		4530	< 0.1	8.4	
0702.00000		**Alligator Bayou at State Highway 82**											**0700.0200**		**10643**	**29°52'39"**	**93°58'44"**	***TNRCC*** ***TX***
05-Nov-91	W	*C.dubia 7-day*	●	100	0	○					1	7.2	84	143	1680	< 0.1	10.0	
	W	*P.promelas 7-day*	●	100	0						6	7.2	84	143	1680	< 0.1	10.0	
06-Jan-92	W	*C.dubia 7-day*	●	100	0	○					2	6.9	84	79	1135	< 0.1	1.2	
	W	*P.promelas 7-day*	●	100	3						6	6.9	84	79	1135	< 0.1	1.2	
03-Mar-92	W	*C.dubia 7-day*	○	0	10	●	12.1	14.0			7	7.4	92	110	641	< 0.1	3.6	
	W	*P.promelas 7-day*	○	17	3						7	7.4	92	110	641	< 0.1	3.6	
	S	*C.dubia 7-day*	●	100	0	○		16.2			3	7.7	209	534	3740	< 0.1	3.0	
	S	*P.promelas 7-day*	●	100	3						7	7.7	209	534	3740	< 0.1	3.0	
18-Aug-92	W	*C.dubia 7-day*	○	0	0	●	11.2	14.3			7	7.9	84	195	1350	< 0.1	1.1	
	W	*P.promelas 7-day*	○	3	7						7	7.9	84	195	1350	< 0.1	1.1	
23-Feb-93	W	*C.dubia 7-day*	○	0	0	○	21.2	19.9			7	6.7	86	121	840	< 0.1	1.9	
	W	*P.promelas 7-day*	○	10	7						7	6.7	86	121	840	< 0.1	1.9	
	S	*C.dubia 7-day*	○	0	0	○	21.6	18.7			7	7.4	217	133	721	< 0.1	9.6	
	S	*P.promelas 7-day*	○	7	3						7	7.4	217	133	721	< 0.1	9.6	
19-Jul-93	W	*C.dubia 7-day*	○	0	0	●	12.2	20.2			7	8.2	110	161	1285	< 0.1	0.4	
	W	*P.promelas 7-day*	○	7	3						7	8.2	110	161	1285	< 0.1	0.4	
	S	*C.dubia 7-day*	●	100	10	○					2	7.4	187	140	808	< 0.1	15.6	
	S	*P.promelas 7-day*	●	100	3						5	7.4	187	140	808	< 0.1	15.6	
03-Jan-94	W	*C.dubia 7-day*	○	0	0	○	19.2	17.3			7	6.8	32	104	1270	0.2	0.8	
	W	*P.promelas 7-day*	○	10	3						7	6.8	32	104	1270	0.2	0.8	
	S	*C.dubia 7-day*	●	100	0	○					3	6.9			927			
	S	*P.promelas 7-day*	●	100	3						4	6.9			927			
21-Jun-94	W	*C.dubia 7-day*	○	0	0	○	25.9	21.4			7	7.5	172	127	1252	< 0.1	0.5	

Sample Types
W=Water
S=Sediment

● Significant Difference
○ No Significant Difference

Primary Endpoints
Crustaceans - mortality. Algae - decrease or increase in cell numbers.
Fish - mortality, teratogenicity, or abnormal swimming behaviour.

Secondary Endpoints
Average number of young per female - applicable only to *Ceriodaphnia dubia.*
Weight - applicable only to fish larval survival and growth test.

Date Collected	Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)
Station	**Waterbody Description**												**Old Number**	**Station ID**	**Latitude**	**Longitude**	**County**	
Continued . . .	**Alligator Bayou at State Highway 82**																	
21-Jun-94	W	*P.promelas 7-day*	○	3	7						7	7.5	172	127	1252	< 0.1	0.5	
	S	*C.dubia 7-day*	●	80	0	●	0.0	17.4			7	8.2	172	142	1371	< 0.1	3.6	
	S	*P.promelas 7-day*	●	100	0						7	8.2	172	142	1371	< 0.1	3.6	
21-Nov-94	W	*C.dubia 7-day*	○	0	0	○	19.6	16.9			7	7.7	144	132	1434	< 0.1	0.4	
	W	*P.promelas 7-day*	○	17	7						7	7.7	144	132	1434	< 0.1	0.4	
19-Jan-95	W	*C.dubia 7-day*	○	0	0	○	19.0	16.9			7	7.1	101	137	1450	< 0.1	0.5	
	W	*P.promelas 7-day*	○	7	10						7	7.1	101	137	1450	< 0.1	0.5	
	S	*C.dubia 7-day*	○	0	0	●	3.4	17.2			7	6.0	201	186	538	< 0.1	3.6	
	S	*P.promelas 7-day*	●	100	10						7	6.0	201	186	538	< 0.1	3.6	
17-May-95	W	*C.dubia 7-day*	○	0	0	○	20.2	19.7			7	7.8	90	108	975	< 0.2	1.8	
	W	*P.promelas 7-day*	○	0	3						7	7.8	90	108	975	< 0.2	1.8	
22-Aug-95	W	*C.dubia 7-day*	○	0	0	○	21.1	17.4			7	8.1	102	108	758	< 0.2	0.6	
	W	*P.promelas 7-day*	○	10	0						7	8.1	102	108	758	< 0.2	0.6	
	S	*C.dubia 7-day*	●	100	0	○					1	8.4	232	73	1133	< 0.2	3.2	
	S	*P.promelas 7-day*	●	100	0						2	8.4	232	73	1133	< 0.2	3.2	
28-Nov-95	W	*C.dubia 7-day*	○	10	0	○	20.4	18.0			7	7.7	74	122	774	< 0.2	0.6	
	W	*P.promelas 7-day*	○	3	10						7	7.7	74	122	774	< 0.2	0.6	
09-Apr-96	W	*P.promelas 7-day*	○	0	0						7	7.9	158	164	1897	< 0.2	0.2	
19-Jun-96	W	*C.dubia 7-day*	○	0	0	○	18.0	16.4			7	7.7	108	104	706	< 0.2	0.7	
	W	*P.promelas 7-day*	○	20	20						7	7.7	108	104	706	< 0.2	0.7	
12-Aug-96	W	*C.dubia 7-day*	○	0	0	○	20.4	16.4			7	8.5	86	91	608	< 0.2	0.2	
	W	*P.promelas 7-day*	○	7	0						7	8.5	86	91	608	< 0.2	0.2	
	S	*C.dubia 7-day*	●	100	0	○					2	7.4	262	203	736	< 0.2	10.8	
	S	*P.promelas 7-day*	●	100	3						7	7.4	262	203	736	< 0.2	10.8	
14-Jul-97	W	*C.dubia 7-day*	○	0	0	○	17.8	17.3			7	7.7	64	120	1780	< 0.1	1.2	
	W	*P.promelas 7-day*	●	17	3						7	7.7	64	120	1780	< 0.1	1.2	
	S	*C.dubia 7-day*	○	10	0	●	5.3	17.3			7	8.0	290	314	2380	< 0.1	6.0	
	S	*P.promelas 7-day*	●	93	3						7	8.0	290	314	2380	< 0.1	6.0	
05-Jul-01	S	*C.dubia 7-day*	○	0	0	○	18.7	16.6			7	8.1	323	324	1977	< 0.1	3.4	
	S	*P.promelas 7-day*	○	13	3						7	8.1	323	324	1977	< 0.1	3.4	
08-Aug-01	S	*C.dubia 7-day*	○	10	0	●	13.1	18.2			7	8.1	310	338	2050	< 0.1	8.5	
	S	*P.promelas 7-day*	●	80	3						7	8.1	310	338	2050	< 0.1	8.5	
17-Nov-03	S	*C.dubia 4-day*	●	100	10						4	8.1	254	266	738	5	9.4	
	S	*P.promelas 4-day*	●	100	2.5						1	8.1	254	266	738	5	9.4	
08-Dec-03	S	*C.dubia 4-day*	●	100	0						4	7.8	184	102	866	0.7	7.2	
	S	*P.promelas 4-day*	●	100	0						2	7.8	184	102	866	0.7	7.2	
0702.00000	**Jefferson County Drainage City Outfall Canal at 25th Street**													**14408**	**29°53'41"**	**93°56'42"**	***TNRCC***	***TX***
03-Mar-92	W	*C.dubia 7-day*	○	0	10	○	14.0	14.0			7	7.6	170	281	1240	< 0.1	1.2	

Sample Types

W=Water
S=Sediment

● Significant Difference
○ No Significant Difference

Primary Endpoints

Crustaceans - mortality. Algae - decrease or increase in cell numbers.
Fish - mortality, teratogenicity, or abnormal swimming behaviour.

Secondary Endpoints

Average number of young per female - applicable only to *Ceriodaphnia dubia.*
Weight - applicable only to fish larval survival and growth test.

Station / Date Collected	Waterbody Description / Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)
Continued . . .	**Jefferson County Drainage City Outfall Canal at 25th Street**																	
03-Mar-92	W	*P.promelas 7-day*	○	7	3						7	7.6	170	281	1240	< 0.1	1.2	
0702.00000	**Alligator Bayou Immediately Downstream of Star Enterprises Outfall 00414.008**														**14409**	**29°53'30"**	**93°57'27"**	***TNRCC*** ***TX***
03-Mar-92	W	*C.dubia 7-day*	○	10	10	●	10.8	14.0			7	6.6	37	47	287	< 0.1	0.5	
	W	*P.promelas 7-day*	○	0	3						7	6.6	37	47	287	< 0.1	0.5	
18-Aug-92	W	*C.dubia 7-day*	●	100	0	○		14.3			7	7.6	48	939	6940	< 0.1	0.6	
	W	*P.promelas 7-day*	○	13	7						7	7.6	48	939	6940	< 0.1	0.6	
0702.00000	**Alligator Bayou Immediately Downstream of Star Enterprises Outfall 00414.001**														**14410**	**29°53'08"**	**93°58'16"**	***TNRCC*** ***TX***
03-Mar-92	W	*C.dubia 7-day*	○	0	10	○	14.6	14.0			7	7.8	117	99	1070	< 0.1	14.2	
	W	*P.promelas 7-day*	●	100	3						7	7.8	117	99	1070	< 0.1	14.2	
	S	*C.dubia 7-day*	●	100	0	○		16.2			3	7.3						
	S	*P.promelas 7-day*	●	100	3						7	7.3						
18-Aug-92	W	*C.dubia 7-day*	○	0	0	●	10.1	14.3			7	7.6	106	288	2260	< 0.1	2.8	
	W	*P.promelas 7-day*	○	3	7						7	7.6	106	288	2260	< 0.1	2.8	
09-Apr-96	W	*C.dubia 7-day*	○	0	0	○	19.4	17.0			7	7.9	158	164	1897	< 0.2	0.2	
	S	*C.dubia 7-day*	○	0	0	○	20.0	17.0			7	7.8	230	212	1363	< 0.2	3.4	
	S	*P.promelas 7-day*	○	10	0						7	7.8	230	212	1363	< 0.2	3.4	
0702.00000	**Jefferson County Drainage District Main Outfall No. 7 Canal Adjacent to West Side of Star Enterprise, 2.4km Upstream of Alligator Bayou**														**14411**	**29°53'36"**	**93°52'30"**	***TNRCC*** ***TX***
03-Mar-92	W	*C.dubia 7-day*	○	0	10	●	11.2	14.0			7	7.2	97	150	680	< 0.1	7.2	
	W	*P.promelas 7-day*	○	7	3						7	7.2	97	150	680	< 0.1	7.2	
	S	*C.dubia 7-day*	○	0	0	○	18.4	16.2			7	6.8	161	130	543	< 0.1	3.8	
	S	*P.promelas 7-day*	○	3	3						7	6.8	161	130	543	< 0.1	3.8	
18-Aug-92	W	*C.dubia 7-day*	○	0	0	●	14.1	14.3			7	7.7	84	171	1280	< 0.1	1.1	
	W	*P.promelas 7-day*	○	3	7						7	7.7	84	171	1280	< 0.1	1.1	
0802.01800	**Trinity River at FM 787 near Romayor**												**0802.0180**		**10896**	**30°25'30"**	**94°50'02"**	***TNRCC*** ***TX***
04-Jun-98	W	*C.dubia 7-day*	○	0	0	○	19.0	16.2			7	8.9	110	136	325	< 0.1	0.4	
	W	*P.promelas 7-day*	○	0	0						7	8.9	110	136	325	< 0.1	0.4	
0804.04000	**Trinity River at US 79 Northeast of Oakwood**												**0804.0400**		**10919**	**31°38'54"**	**95°47'21"**	***TNRCC*** ***TX***
13-Sep-90	W	*C.dubia 7-day*	○	0	10	○	16.1	16.1			7	7.3	86	144	435	< 0.1	1.0	
0805.00500	**Trinity River at FM 85 East of Ennis and West of Seven Points**												**0805.0050**		**10924**	**32°18'59"**	**96°21'33"**	***TNRCC*** ***TX***
27-Mar-90	W	*C.dubia 7-day*	○	0	10	○	16.3	14.7			7	7.8	127	150	341	< 0.1	2.6	
	W	*P.promelas 7-day*	○	7	7						7	7.8	127	150	341	< 0.1	2.6	
31-Jul-90	W	*C.dubia 7-day*	○	0	10	○	20.2	19.5			7	7.7	119	126	236	0.1	0.1	
	W	*P.promelas 7-day*	○	0	3						7	7.7	119	126	236	0.1	0.1	
10-Oct-90	W	*C.dubia 7-day*	○	0	0	○	18.6	16.5			7	7.6	88	152	536	< 0.1	0.5	
22-Jan-91	W	*C.dubia 7-day*	○	0	0	○	18.9	16.2			7	6.8	131	168	367	< 0.1	0.2	

Sample Types

W=Water
S=Sediment

● Significant Difference
○ No Significant Difference

Primary Endpoints

Crustaceans - mortality. Algae - decrease or increase in cell numbers.
Fish - mortality, teratogenicity, or abnormal swimming behaviour.

Secondary Endpoints

Average number of young per female - applicable only to *Ceriodaphnia dubia.*
Weight - applicable only to fish larval survival and growth test.

Station	Waterbody Description																						
														Old Number	Station ID	Latitude	Longitude		County				
Date Collected	Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)					
Continued . . .	**Trinity River at FM 85 East of Ennis and West of Seven Points**																						
09-Apr-91	W	*C.dubia 7-day*	○	10	10	○	14.1	15.8			7	7.6	124	205	697	<	0.1	0.5					
	W	*P.promelas 7-day*	○	7	7						7	7.6	124	205	697	<	0.1	0.5					
0805.01000	**Trinity River at SH 34 Southwest of Rosser**												**0805.0100**		**10925**	**32°25'36"**		**95°27'45"**		***TNRCC***		***TX***	
13-Sep-90	W	*C.dubia 7-day*	○	0	10	○	16.6	16.1			7	7.6	108	132	413	<	0.1	1.0					
0805.03000	**Trinity River at South Loop SH 12 below Dallas**												**0805.0300**		**10934**	**32°42'27"**		**96°44'06"**		***TNRCC***		***TX***	
13-Sep-90	W	*C.dubia 7-day*	○	10	10	○	18.2	16.1			7	7.4	105	140	456	<	0.1	0.7					
01-Oct-91	W	*C.dubia 7-day*	○	10	0	○	17.4	13.6			7	7.6	118	164	640	<	0.1	0.7					
	W	*P.promelas 7-day*	○	3	7						7	7.6	118	164	640	<	0.1	0.7					
21-Apr-92	W	*C.dubia 7-day*	○	0	0	○	18.9	16.8			7	7.5	122	180	366	<	0.1	0.2					
	W	*P.promelas 7-day*	○	10	7						7	7.5	122	180	366	<	0.1	0.2					
29-Jul-92	W	*C.dubia 7-day*	○	10	10	○	16.6	18.5			7	7.5	138	199	771	<	0.1	0.4					
01-Sep-92	W	*C.dubia 7-day*	○	10	0	◉	11.2	15.3			7	7.1	86	179	489	<	0.1	0.5					
	W	*P.promelas 7-day*	○	7	3						7	7.1	86	179	489	<	0.1	0.5					
0805.04000	**Trinity River at Commerce Street in Dallas**												**0805.0400**		**10936**	**32°46'29"**		**96°49'18"**		***TNRCC***		***TX***	
13-Sep-90	W	*C.dubia 7-day*	○	0	10	○	17.1	16.1			7	7.7	121	150	518	<	0.1	0.6					
0806.00050	**West Fork Trinity River at Beach Street in Fort Worth**												**0806.0005**		**10938**	**32°45'06"**		**97°17'21"**		***TNRCC***		***TX***	
13-Sep-90	W	*C.dubia 7-day*	○	0	10	○	18.2	16.1			7	8.4	146	172	346	<	0.1	0.2					
0823.01000	**Lake Lewisville Mid-Lake near Dam**												**0823.0100**		**11025**	**33°04'00"**		**96°58'00"**		***TNRCC***		***TX***	
17-Aug-95	S	*C.dubia 7-day*	○	0	0	◉	6.3	19.3			7	7.7	196	177	495	<	0.2	10.8					
	S	*P.promelas 7-day*	○	10	7						7	7.7	196	177	495	<	0.2	10.8					
0828.01000	**Lake Arlington Mid-Lake near Dam**												**0828.0100**		**11040**	**32°43'21"**		**97°12'00"**		***TNRCC***		***TX***	
17-Aug-95	S	*C.dubia 7-day*	○	0	0	○	20.1	19.3			7	7.3	198	186	556	<	0.2	13.2					
	S	*P.promelas 7-day*	○	3	7						7	7.3	198	186	556	<	0.2	13.2					
0829.00750	**Clear Fork Trinity River below Lake Benbrook**														**08290075**	**32°39'40"**		**97°26'52"**		***TNRCC***		***TX***	
13-Sep-90	W	*C.dubia 7-day*	○	0	10	○	16.5	16.1			7	7.4	142	144	269	<	0.1	2.5					
0829.01000	**Clear Fork Trinity River at Bryant-Irving Road in Fort Worth**												**0829.0100**		**11045**	**32°42'18"**		**97°24'36"**		***TNRCC***		***TX***	
27-Sep-94	W	*C.dubia 7-day*	○	0	0	○	18.2	19.8			7	7.6	110	186	417	<	0.1	0.4					
	W	*P.promelas 7-day*	○	3	10						7	7.6	110	186	417	<	0.1	0.4					
12-Jun-95	W	*C.dubia 7-day*	○	0	10	○	19.6	18.7			7	8.2	176	194	485	<	0.2	0.7					
	W	*P.promelas 7-day*	○	0	7						7	8.2	176	194	485	<	0.2	0.7					
	S	*C.dubia 7-day*	○	20	0	○	11.0	18.8			7	7.6	248	255	603	<	0.2	0.4					
	S	*P.promelas 7-day*	○	3	0						7	7.6	248	255	603	<	0.2	0.4					
0831.00000	**Town Creek at North Bowie Drive, 0.1 Mile South of SH920 in Weatherford**														**14486**	**32°46'35"**		**97°48'31"**		***TNRCC***		***TX***	
20-Nov-95	W	*C.dubia 7-day*	○	0	0	○	20.8	18.0			7	7.6	250	257	619	<	0.2	0.2					
	W	*P.promelas 7-day*	○	0	10						7	7.6	250	257	619	<	0.2	0.2					

Sample Types

W=Water
S=Sediment

◉ Significant Difference
○ No Significant Difference

Primary Endpoints

Crustaceans - mortality. Algae - decrease or increase in cell numbers.
Fish - mortality, teratogenicity, or abnormal swimming behaviour.

Secondary Endpoints

Average number of young per female - applicable only to *Ceriodaphnia dubia.*
Weight - applicable only to fish larval survival and growth test.

Station	Waterbody Description												Old Number	Station ID	Latitude	Longitude	County	
Date Collected	Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)
Continued . . .	**Town Creek at North Bowie Drive, 0.1 Mile South of SH920 in Weatherford**																	
20-Nov-95	S	*C.dubia 7-day*	○	0	0	○	16.9	18.0			7	8.4	235	222	582	< 0.2	1.8	
	S	*P.promelas 7-day*	○	10	10						7	8.4	235	222	582	< 0.2	1.8	
0831.00000	**Town Creek behind City of Weatherford Denton Street Water Plant, 0.1 mi. downstream of US 80/180**													**14487**	**32°45'25"**	**97°47'20"**	***TNRCC***	***TX***
20-Nov-95	W	*C.dubia 7-day*	○	0	0	○	20.5	18.0			7	7.8	340	413	1052	0.1	0.2	
	W	*P.promelas 7-day*	○	0	10						7	7.8	340	413	1052	0.1	0.2	
	S	*C.dubia 7-day*	○	0	0	○	18.5	18.0			7	8.3	352	343	768	< 0.2	3.1	
	S	*P.promelas 7-day*	○	17	10						7	8.3	352	343	768	< 0.2	3.1	
0841.05000	**Lower West Fork Trinity River at Beltline Road in Grand Prairie**												**0841.0500**	**11081**	**32°45'46"**	**96°59'42"**	***TNRCC***	***TX***
29-Sep-92	W	*C.dubia 7-day*	○	0	0	○	26.4	26.8			7	7.7	154	191	780	< 0.1	0.2	
	W	*P.promelas 7-day*	○	3	0						7	7.7	154	191	780	< 0.1	0.2	
	S	*C.dubia 7-day*	○	0	0	●	16.8	26.8			7	8.1	186	154	494	< 0.1	0.1	
	S	*P.promelas 7-day*	○	0	0						7	8.1	186	154	494	< 0.1	0.1	
11-Aug-93	W	*C.dubia 7-day*	○	0	0	○	21.1	17.8			7	7.6	141	182	746	0.2	0.6	
	W	*P.promelas 7-day*	○	3	0						7	7.6	141	182	746	0.2	0.6	
	S	*C.dubia 7-day*	○	0	0	○	18.4	18.2			7	7.5	143	128	470	< 0.1	0.2	
	S	*P.promelas 7-day*	○	0	3						7	7.5	143	128	470	< 0.1	0.2	
06-Dec-93	W	*C.dubia 7-day*	○	0	0	○	20.3	16.8			7	7.1	127	192	477	< 0.1	0.5	
	W	*P.promelas 7-day*	○	0	3						7	7.1	127	192	477	< 0.1	0.5	
	S	*C.dubia 7-day*	○	0	0	○	15.8	18.2			7	7.0	188	217	586	< 0.1	0.6	
	S	*P.promelas 7-day*	○	3	3						7	7.0	188	217	586	< 0.1	0.6	
05-Jul-94	W	*C.dubia 7-day*	○	0	0	●	12.2	17.4			7	7.8	147	255	817	< 0.1	0.5	
	W	*P.promelas 7-day*	○	0	3						7	7.8	147	255	817	< 0.1	0.5	
	S	*C.dubia 7-day*	○	0	0	○	21.6	17.7			7	7.3	242	250	568	< 0.1	2.5	
	S	*P.promelas 7-day*	○	0	10						7	7.3	242	250	568	< 0.1	2.5	
12-Dec-94	W	*C.dubia 7-day*	○	0	0	○	20.2	18.2			7	8.0	80	191	385	0.1	0.4	
	W	*P.promelas 7-day*	○	0	3						7	8.0	80	191	385	0.1	0.4	
	S	*C.dubia 7-day*	○	0	0	○	17.9	18.2			7	7.6	220	274	714	< 0.1	0.7	
	S	*P.promelas 7-day*	○	3	3						7	7.6	220	274	714	< 0.1	0.7	
0841.05500	**Lower West Fork Trinity River at SH360 in Grand Prairie**												**0841.0550**	**11084**	**32°48'45"**	**97°03'15"**	***TNRCC***	***TX***
26-Sep-95	W	*C.dubia 7-day*	○	0	0	○	19.7	19.0			7	7.7	142	183	676	< 0.2	0.1	
	W	*P.promelas 7-day*	○	7	3						7	7.7	142	183	676	< 0.2	0.1	
	S	*C.dubia 7-day*	○	10	0	○	19.7	19.0			7	8.0	214	191	532	< 0.2	2.0	
	S	*P.promelas 7-day*	○	0	3						7	8.0	214	191	532	< 0.2	2.0	
04-Dec-95	W	*C.dubia 7-day*	○	10	0	○	19.8	18.4			7	7.5	136	187	847	< 0.2	0.8	
	W	*P.promelas 7-day*	○	3	3						7	7.5	136	187	847	< 0.2	0.8	
26-Mar-96	W	*C.dubia 7-day*	○	0	0	○	17.7	15.7			7	7.8	160	173	717	< 0.2	0.4	
	W	*P.promelas 7-day*	○	3	7						7	7.8	160	173	717	< 0.2	0.4	

Sample Types

W=Water
S=Sediment

● Significant Difference
○ No Significant Difference

Primary Endpoints

Crustaceans - mortality. Algae - decrease or increase in cell numbers.
Fish - mortality, teratogenicity, or abnormal swimming behaviour.

Secondary Endpoints

Average number of young per female - applicable only to *Ceriodaphnia dubia.*
Weight - applicable only to fish larval survival and growth test.

Date Collected	Sample Type	Test Type	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)
Station	***Waterbody Description***												***Old Number***		***Station ID***	***Latitude***	***Longitude***	***County***
Continued . . .	**Lower West Fork Trinity River at SH360 in Grand Prairie**																	
26-Mar-96	S	*C.dubia 7-day*	○	0	0	○	18.5	15.7			7	7.5	158	169	534	< 0.2	2.9	
	S	*P.promelas 7-day*	○	0	7						7	7.5	158	169	534	< 0.2	2.9	
06-Feb-01	W	*C.dubia 7-day*	○	0	0	○	18.4	18.1			7	8.1	169	217	487	< 0.1	1.0	
	W	*P.promelas 7-day*	○	3	0						7	8.1	169	217	487	< 0.1	1.0	
	S	*C.dubia 7-day*	○	0	0	○	18.4	18.1			7	7.9	214	103	467	< 0.1	0.5	
	S	*P.promelas 7-day*	○	0	0						7	7.9	214	103	467	< 0.1	0.5	
23-Jul-01	W	*C.dubia 7-day*	○	0	0	○	18.3	17.7			7	8.5	126	140	855	0.1	0.6	
	W	*P.promelas 7-day*	○	0	3						7	8.5	126	140	855	0.1	0.6	
	S	*C.dubia 7-day*	○	20	0	◉	8.9	16.9			7	8.5	158	196	633	0.1	2.9	
	S	*P.promelas 7-day*	○	3	3						7	8.5	158	196	633	0.1	2.9	
10-Dec-01	W	*C.dubia 7-day*	○	0	0	○	18.6	16.6			7	8.3	118	152	866	< 0.1	0.3	
	W	*P.promelas 7-day*	○	0	3						7	8.3	118	152	866	< 0.1	0.3	
	S	*C.dubia 7-day*	○	0	0	○	17.2	16.6			7	8.4	150	202	596	0.1	2.2	
	S	*P.promelas 7-day*	○	3	3						7	8.4	150	202	596	0.1	2.2	
0902.01000	**Cedar Bayou at US 90 Northeast of Crosby**												**0902.0100**		**11120**	**29°58'20"**	**94°59'08"**	***TNRCC*** ***TX***
12-Feb-90	W	*C.dubia 7-day*	○	0	0	○	20.1	17.9			7	7.0	77	119	362	< 0.1	0.7	
	W	*P.promelas 7-day*	○	3	3						7	7.0	77	119	362	< 0.1	0.7	
11-Mar-90	W	*C.dubia 7-day*	○	0	0	○	17.9	16.0			7	7.3	166	258	593	< 0.1	0.4	
	W	*P.promelas 7-day*	○	7	10						7	7.3	166	258	593	< 0.1	0.4	
13-Nov-90	W	*C.dubia 7-day*	○	0	0	○	18.4	17.1			7	6.9	74	106	298	< 0.1	0.4	
28-Feb-91	W	*C.dubia 7-day*	◉	100	0	○					3	6.7	90	100	314	< 0.1	0.4	
	W	*P.promelas 7-day*	○	7	0						7	6.7	90	100	314	< 0.1	0.4	
06-May-91	W	*C.dubia 7-day*	○	20	10	○	19.2	16.2			7	7.8	158	194	468	< 0.1	0.4	
	W	*P.promelas 7-day*	○	3	10						7	7.8	158	194	468	< 0.1	0.4	
15-Aug-91	W	*C.dubia 7-day*	○	10	10	○	15.7	16.2			7	7.8	122	158	558	< 0.1	0.2	
	W	*P.promelas 7-day*	◉	43	7						7	7.8	122	158	558	< 0.1	0.2	
1001.01000	**San Jacinto River Tidal at IH 10 East of Channelview**												**1001.0100**		**11193**	**29°47'31"**	**95°03'41"**	***TNRCC*** ***TX***
11-Jan-89	W	*C.variegatus 9-day*	○	5	5						9	7.8			25700	< 0.1	0.8	
	S	*C.variegatus 9-day*	○	0	5						9	8.0			34000	< 0.1	1.2	
1002.00000	**Jordan Gully approximately 400 Feet Upstream of the Confluence with the West Fork San Jacinto River**														**14457**	**30°00'58"**	**95°13'58"**	***TNRCC*** ***TX***
30-Oct-92	W	*C.dubia 7-day*	◉	100	0	○		15.6			3	6.5	76	333	1333	< 0.1	0.2	
	W	*P.promelas 7-day*	◉	100	2.5						3	6.5	76	333	1333	< 0.1	0.2	
1002.00000	**Jordan Gully approximately 1800 Feet Upstream of the Confluence with the West Fork San Jacinto River**														**14458**	**30°00'50"**	**29°27'47"**	***TNRCC*** ***TX***
30-Oct-92	W	*C.dubia 7-day*	◉	100	0	○					3	6.3	76	528	1702	< 0.1	0.7	
	W	*P.promelas 7-day*	◉	100	2.5						3	6.3	76	528	1702	< 0.1	0.7	
1002.00000	**Jordan Gully approximately 2400 Feet Upstream of the Confluence with the West Fork San Jacinto River**														**14459**	**30°00'44"**	**95°13'59"**	***TNRCC*** ***TX***

Sample Types
W=Water
S=Sediment

◉ Significant Difference
○ No Significant Difference

Primary Endpoints
Crustaceans - mortality. Algae - decrease or increase in cell numbers.
Fish - mortality, teratogenicity, or abnormal swimming behaviour.

Secondary Endpoints
Average number of young per female - applicable only to *Ceriodaphnia dubia.*
Weight - applicable only to fish larval survival and growth test.

Station	Waterbody Description												Old Number	Station ID	Latitude	Longitude	County	
Date Collected	Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)
Continued . . .	**Jordan Gully approximately 2400 Feet Upstream of the Confluence with the West Fork San Jacinto River**																	
30-Oct-92	W	*C.dubia 7-day*	●	50	0	○	16.4	15.6			7	8.4	196	146	518	< 0.1	0.6	
	W	*P.promelas 7-day*	○	5	2.5						7	8.4	196	146	518	< 0.1	0.6	
1005.01000	**Houston Ship Channel at Channel Marker 91, Morgan's Point**												**1005.0100**	**11252**	**29°40'58"**	**94°58'55"**	***TNRCC***	***TX***
21-Oct-94	W	*C.dubia 7-day*	○	0	0	●	12.3	18.7			7	7.4	34	98	250	< 0.1	0.4	
	W	*C.dubia 7-day*	○	0	0	●	14.7	18.7			7	7.1	23	78	137	0.1	0.2	
	W	*P.promelas 7-day*	○	3	7						7	7.1	23	78	137	0.1	0.2	
1005.04000	**Houston Ship Channel at Channel Marker 125**												**1005.0400**	**11260**	**29°45'23"**	**95°04'06"**	***TNRCC***	***TX***
11-Jan-89	W	*C.variegatus 9-day*	○	10	5						9	7.7			29000	< 0.1	3.2	
	S	*C.variegatus 9-day*	○	10	5						9	7.8			36400	< 0.1	3.2	
1006.02000	**Houston Ship Channel at Confluence with Green's Bayou (CM 152)**												**1006.0200**	**11271**	**29°44'46"**	**95°10'01"**	***TNRCC***	***TX***
11-Jan-89	W	*C.variegatus 9-day*	○	0	5						9	7.5			25100	< 0.1	1.4	
	S	*C.variegatus 9-day*	○	10	5						9	7.8			34700	< 0.1	4.3	
28-Oct-91	W	*C.variegatus 9-day*	○	0	3						9	7.7	122		12500	< 0.1	1.0	
28-Apr-92	W	*C.dubia 7-day*	○	10	0	●	15.6	22.3			7	6.8	82	89	302	< 0.1	1.2	
	W	*P.promelas 7-day*	○	7	7						7	6.8	82	89	302	< 0.1	1.2	
26-Aug-92	W	*C.variegatus 9-day*	○	23	7						9	7.4	128	2000	16500	< 0.1	0.4	
1006.10000	**Old River Tidal at Old River Ship Building and Repair (615 Lakeshore Drive), 0.5 mi. south of River Terrace Park**													**15301**	**29°46'27"**	**95°06'06"**	***TNRCC***	***TX***
23-Jul-96	S	*C.variegatus 9-day*	○	7	0						9	9.4	138		27600	< 0.2	2.9	
1006.91500	**Patrick's Bayou Tidal Immediately Upstream of Bridge Leading to Occidental Chemical Intake Station on Houston Ship Channe**												**1006.9150**	**11273**	**29°44'14"**	**95°06'50"**	***TNRCC***	***TX***
15-Oct-93	S	*C.variegatus 9-day*	●	100	3						9	7.1	146		25300	< 0.1	2.2	
11-Jan-94	W	*C.variegatus 9-day*	○	0	3						9	7.0	116		15130	< 0.1	4.8	
22-Apr-94	S	*C.variegatus 9-day*	○	3	7						9	7.3	132		28800	< 0.1	6.0	
26-Jul-94	S	*C.variegatus 9-day*	○	10	7						7	7.1	126		23800	< 0.1	9.6	
11-Oct-94	S	*C.variegatus 9-day*	○	3	10						9	7.2	120		25200	< 0.1	14.4	
25-Jan-95	W	*C.variegatus 9-day*	○	10	3						9	6.9	127		10900	0.1	2.6	
19-Apr-95	S	*C.variegatus 9-day*	○	3	0						9	7.3	144		25100	< 0.1	18.0	
18-Jul-95	W	*C.variegatus 9-day*	○	10	7						9	7.6	126		16660	< 0.2	1.2	
24-Oct-95	S	*C.variegatus 9-day*	○	13	7						9	7.7	202		24400	< 0.2	6.0	
24-Jan-96	W	*C.variegatus 9-day*	○	7	3						9	7.4	142		23600	< 0.2	3.6	
10-Apr-96	W	*C.variegatus 9-day*	○	3	0						9	7.6	160		24100	< 0.2	1.2	
15-Jul-96	W	*C.variegatus 9-day*	○	3	0						9	8.2	114		18300	< 0.2	0.5	
1006	**Houston Ship Channel at Oxychem**													**SS10**	**29°44'20"**	**95°06'30"**	***TNRCC***	***TX***
19-Jun-97	S	*C.variegatus 9-day*	○	10	0						9	7.7	132		29600	< 0.1	13.2	
1006	**Houston Ship Channel Downstream of Green's Bayou**													**SS12**	**29°44'23"**	**95°09'20"**	***TNRCC***	***TX***
19-Jun-97	S	*C.variegatus 9-day*	○	0	0						9	7.2	110		17600	< 0.1	18.0	

Sample Types

W=Water
S=Sediment

● Significant Difference
○ No Significant Difference

Primary Endpoints

Crustaceans - mortality. Algae - decrease or increase in cell numbers.
Fish - mortality, teratogenicity, or abnormal swimming behaviour.

Secondary Endpoints

Average number of young per female - applicable only to *Ceriodaphnia dubia.*
Weight - applicable only to fish larval survival and growth test.

Station	Waterbody Description														Old Number	Station ID	Latitude	Longitude	County	
Date Collected	Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)		
1006	**Houston Ship Channel at Shell Oil**															**SS13**	**29°43'57"**	**95°07'37"**	***TNRCC***	***TX***
19-Jun-97	S	*C.variegatus 9-day*	○	10	0						9	6.9	164		27500	< 0.1	21.6			
1006	**Houston Ship Channel at Ethyl Ditch**															**SS9**	**29°44'32"**		***TNRCC***	***TX***
19-Jun-97	S	*C.variegatus 9-day*	○	7	0						9	7.3	122		30000	< 0.1	19.2			
1007.00000	**Vince Bayou at South Shaver Street in Pasadena, TX**															**14370**	**29°40'26"**	**95°12'23"**	***TNRCC***	***TX***
10-Aug-93	W	*C.variegatus 9-day*	○	3	7						9	7.4	108	364	3290	0.1	1.2			
	S	*C.variegatus 9-day*	○	3	10						9	7.1	133	2657	22400	< 0.1	7.2			
1007.91000	**Little Vince Bayou at West Richey Street in Pasadena. TX**															**14371**	**29°42'57"**	**95°12'41"**	***TNRCC***	***TX***
10-Aug-93	W	*C.variegatus 9-day*	○	0	7						9	7.1	95	442	3980	0.2	1.9			
	S	*C.variegatus 9-day*	○	7	10						9	7.3	173	2434	22600	< 0.1	12.0			
1007.92000	**Vince Bayou 300 Yards Upstream of the Houston Ship Channel Confluence**												**1007.9200**		**11299**	**29°43'31"**	**95°13'29"**	***TNRCC***	***TX***	
14-Oct-92	S	*C.variegatus 9-day*	●	100	7						6	7.4	174	2000	30300	< 0.1	12.0			
13-Jan-93	W	*C.variegatus 9-day*	○	10	3						9	6.8	110	128	460	< 0.1	3.8	< 0.1		
07-Apr-93	S	*C.variegatus 9-day*	●	100	7						6	6.8	172	1984	17300	< 0.1	25.2			
14-Jul-93	W	*C.variegatus 9-day*	○	0	7						9	7.1	103	103	485	< 0.1	2.0			
10-Aug-93	W	*C.variegatus 9-day*	○	7	7						9	7.2	131	719	5890	< 0.1	10.8			
	S	*C.variegatus 9-day*	●	27	10						9	7.0	173	2835	24400	< 0.1	43.2			
15-Oct-93	S	*C.variegatus 9-day*	○	13	3						9	7.1	131		21300	< 0.1	1.4			
11-Jan-94	W	*C.variegatus 9-day*	○	7	0						9	7.2	167		7760	< 0.1	9.6			
22-Apr-94	S	*C.variegatus 9-day*	○	17	7						9	7.2	166		27500	< 0.1	15.6			
22-Jul-94	W	*C.variegatus 9-day*	○	0	3						9	7.2	134		9360	< 0.1	2.6			
11-Oct-94	S	*C.variegatus 9-day*	○	13	10						9	7.7	198		24000	< 0.1	22.8			
25-Jan-95	W	*C.variegatus 9-day*	○	0	3						9	6.8	105		2350	0.1	8.4			
19-Apr-95	S	*C.variegatus 9-day*	○	7	0						9	7.4	122		26200	< 0.1	25.2			
18-Jul-95	W	*C.variegatus 9-day*	○	3	7						9	7.4	136		5560	< 0.2	16.8			
24-Oct-95	S	*C.variegatus 9-day*	○	13	7						9	7.4	132		23700	< 0.2	14.4			
24-Jan-96	W	*C.variegatus 9-day*	○	0	3						9	7.3	142		8390	< 0.2	16.8			
10-Apr-96	W	*C.variegatus 9-day*	○	7	0						9	7.5	158		12800	< 0.2	4.8			
15-Jul-96	W	*C.variegatus 9-day*	○	3	0						9	7.9	128		13800	< 0.2	3.1			
14-Nov-96	W	*C.variegatus 9-day*	○	0	0						9	7.4	132		10900	< 0.2	2.2			
1007.92100	**Vince Bayou at North Ritchey Street in Pasadena, TX**												**1007.9210**		**11300**	**29°43'06"**	**95°13'11"**	***TNRCC***	***TX***	
10-Aug-93	W	*C.variegatus 9-day*	○	3	7						9	7.5	137	128	349	0.1	0.6			
	S	*C.variegatus 9-day*	○	10	10						9	7.5	179	2479	24600	0.2	22.8			
1007.92150	**Vince Bayou Downstream of the City of Pasadena WWTP Outfall, 0.1 km Downstream of West Ritchey Street**															**14368**	**29°42'58"**	**95°13'04"**	***TNRCC***	***TX***
10-Aug-93	W	*C.variegatus 9-day*	○	10	7						9	6.9	116	433	3520	0.1	3.9			

Sample Types

W=Water
S=Sediment

● Significant Difference
○ No Significant Difference

Primary Endpoints

Crustaceans - mortality. Algae - decrease or increase in cell numbers.
Fish - mortality, teratogenicity, or abnormal swimming behaviour.

Secondary Endpoints

Average number of young per female - applicable only to *Ceriodaphnia dubia.*
Weight - applicable only to fish larval survival and growth test.

Station / Date Collected	Waterbody Description / Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)	Old Number / Station ID	Latitude	Longitude	County
Continued . . .	**Vince Bayou Downstream of the City of Pasadena WWTP Outfall, 0.1 km Downstream of West Ritchey Street**																					
10-Aug-93	S	*C.variegatus 9-day*	○	3	10						9	7.5	143	2888	23800	< 0.1	15.6					
1007.92400	**Vince Bayou at West Harris Avenue in Pasadena**																		**14369**	**29°41'48"**	**95°12'55"**	***TNRCC*** ***TX***
10-Aug-93	W	*C.variegatus 9-day*	○	7	7						9	8.0	124	124	356	0.1	0.4					
	S	*C.variegatus 9-day*	○	0	10						9	7.6	163	3211	24100	< 0.1	9.6					
1007	**Houston Ship Channel at Armco (near Greens Bayou)**																		**SS18**	**29°44'46"**	**95°11'12"**	***TNRCC*** ***TX***
19-Jun-97	S	*C.variegatus 9-day*	○	0	0						9	6.8	90		27400	< 0.1	24.0					
1102.00000	**Mud Gully Upstream of Clear Creek Confluence, 0.23 Mile Downstream of Dixie Farm Road (Choate Road)**																		**14427**	**29°33'44"**	**95°12'08"**	***TNRCC*** ***TX***
05-Oct-93	W	*C.dubia 7-day*	○	0	0	○	18.7	19.9			7	8.1	232	129	1140	0.1	0.8					
	W	*P.promelas 7-day*	○	7	3						7	8.1	232	129	1140	0.1	0.8					
1102.00000	**Mud Gully at South Fork Boulevard**																		**14428**	**29°34'26"**	**95°12'36"**	***TNRCC*** ***TX***
05-Oct-93	W	*C.dubia 7-day*	○	0	0	○	21.7	19.9			7	8.4	238	125	1110	0.1	0.4					
	W	*P.promelas 7-day*	○	0	3						7	8.4	238	125	1110	0.1	0.4					
1102.02000	**Clear Creek at SH 35 North of Pearland**												**1102.0200**		**11452**	**29°35'50"**	**95°17'11"**		***TNRCC*** ***TX***			
21-Aug-95	S	*C.dubia 7-day*	○	0	0	○	19.5	19.3			7	7.5	192	177	594	< 0.2	2.5					
	S	*P.promelas 7-day*	○	3	7						7	7.5	192	177	594	< 0.2	2.5					
1103.00000	**Gum Bayou at FM 517 East of Dickinson**												**1100.1270**		**11436**	**29°28'10"**	**95°00'48"**		***TNRCC*** ***TX***			
22-Aug-95	W	*C.variegatus 9-day*	○	7	7						9	8.3	148		11920	< 0.2	2.5					
1103.02000	**Dickinson Bayou Tidal at SH 3 Bridge in Dickinson**												**1103.0200**		**11460**	**29°27'22"**	**95°02'56"**		***TNRCC*** ***TX***			
22-Aug-95	W	*C.variegatus 9-day*	○	0	7						9	8.7	178		10680	< 0.2	1.6					
1103.02600	**Dickinson Bayou at IH 45**												**1103.0250**		**11462**	**29°26'42"**	**95°04'26"**		***TNRCC*** ***TX***			
22-Aug-95	W	*C.variegatus 9-day*	○	0	7						9	8.0	170		8490	< 0.2	1.9					
1103.03000	**Dickinson Bayou Tidal at Arcadia-Cemetary Road North of Arcadia**												**1103.0300**		**11464**	**29°25'44"**	**29°26'42"**		***TNRCC*** ***TX***			
22-Aug-95	W	*C.dubia 7-day*	○	0	0	○	21.0	17.4			7	8.2	158	181	587	< 0.2	0.5					
	W	*P.promelas 7-day*	○	3	0						7	8.2	158	181	587	< 0.2	0.5					
1104.01000	**Dickinson Bayou at FM 517 East of Alvin**												**1104.0100**		**11467**	**29°26'10"**	**95°01'01"**		***TNRCC*** ***TX***			
22-Aug-95	W	*C.dubia 7-day*	○	0	0	○	19.6	17.4			7	8.2	162	177	605	< 0.2	0.5					
	W	*P.promelas 7-day*	○	7	0						7	8.2	162	177	605	< 0.2	0.5					
1104.06000	**Dickinson Bayou at FM 528 North of Alvin**												**1104.0600**		**11472**	**29°27'47"**	**95°13'41"**		***TNRCC*** ***TX***			
22-Aug-95	W	*C.dubia 7-day*	○	0	0	○	19.4	17.4			7	8.2	152	212	599	< 0.1	0.2					
	W	*P.promelas 7-day*	○	7	0						7	8.2	152	212	599	< 0.1	0.2					
1111.01000	**Old Brazos River Channel Mid-Way between Mouth and Terminus**												**1111.0100**		**11498**	**28°57'00"**	**95°19'45"**		***TNRCC*** ***TX***			
23-Aug-95	S	*C.variegatus 9-day*	○	0	7						9	7.7	142		30100	< 0.2	10.8					
1113.00200	**Armand Bayou Tidal At Lower Mud Lake 1.4 Km Upstream of NASA 1 Bridge**												**1113.0020**		**11500**	**29°34'27"**	**95°04'15"**		***TNRCC*** ***TX***			

Sample Types

W=Water
S=Sediment

◉ Significant Difference
○ No Significant Difference

Primary Endpoints

Crustaceans - mortality. Algae - decrease or increase in cell numbers.
Fish - mortality, teratogenicity, or abnormal swimming behaviour.

Secondary Endpoints

Average number of young per female - applicable only to *Ceriodaphnia dubia.*
Weight - applicable only to fish larval survival and growth test.

Station	Waterbody Description												Old Number	Station ID	Latitude	Longitude	County	
Date Collected	Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)
Continued . . .	**Armand Bayou Tidal At Lower Mud Lake 1.4 Km Upstream of NASA 1 Bridge**																	
30-Sep-92	W	*C.variegatus 9-day*	○	17	3						8	8.6	114		16240	< 0.1	0.84	
14-Dec-92	S	*C.variegatus 9-day*	○	10	0						9	7.3	93	2000	30500	< 0.1	1.4	< 0.1
16-Mar-93	W	*C.variegatus 9-day*	○	3	7						9	7.3	89	927	6820	< 0.1	0.8	
09-Jun-93	S	*C.variegatus 9-day*	●	23	3						9	7.3	112	2869	24300	< 0.1	3.6	
14-Sep-93	W	*C.variegatus 9-day*	○	0	3						9	7.2	99	1230	21800	< 0.1	4.8	
07-Dec-93	S	*C.variegatus 9-day*	○	10	3						9	7.6	143		24500	< 0.1	8.4	
10-Mar-94	W	*C.variegatus 9-day*	○	3	3						9	7.1	97	529	4340	0.1	1.4	
07-Jun-94	S	*C.variegatus 9-day*	○	7	3						9	7.4	105		26800	< 0.1	7.2	
1209.00000	**Bryan Municipal Lake near Dam Spillway**												**1200.7820**	**11792**	**30°38'24"**	**96°21'33"**	***TNRCC***	***TX***
01-Oct-91	W	*C.dubia 7-day*	○	0	0	●	10.3	13.6			7	7.6	145	74	493	< 0.1	0.6	
	W	*P.promelas 7-day*	○	0	7						7	7.6	145	74	493	< 0.1	0.6	
18-Feb-92	W	*C.dubia 7-day*	○	10	0	○	18.0	18.1			7	8.0	94	75	339	< 0.1	0.2	
	W	*P.promelas 7-day*	○	7	7						7	8.0	94	75	339	< 0.1	0.2	
21-Jul-92	W	*C.dubia 7-day*	○	0	10	○	18.5	18.2			7	8.0	178	61	694	< 0.1	0.5	
	W	*P.promelas 7-day*	○	3	3						7	8.0	178	61	694	< 0.1	0.5	
23-Feb-93	W	*C.dubia 7-day*	○	0	0	○	22.2	20.8			7	7.8	154	77	604	< 0.1	0.5	
	W	*P.promelas 7-day*	○	7	0						7	7.8	154	77	604	< 0.1	0.5	
02-Aug-93	S	*C.dubia 7-day*	●	20	0	●	8.0	19.0			7	7.9	209	128	608	< 0.1	13.2	
	S	*P.promelas 7-day*	○	13	7						7	7.9	209	128	608	< 0.1	13.2	
30-Nov-93	W	*C.dubia 7-day*	○	0	0	○	18.3	17.7			7	7.2	152	63	951	< 0.1	0.8	
	W	*P.promelas 7-day*	○	7	3						7	7.2	152	63	951	< 0.1	0.8	
27-Jun-94	S	*C.dubia 7-day*	○	0	0	○	16.7	17.4			7	7.4	258	157	626	< 0.1	10.8	
	S	*P.promelas 7-day*	○	0	3						7	7.4	258	157	626	< 0.1	10.8	
07-Aug-95	W	*C.dubia 7-day*	○	20	0	●	8.5	13.2			7	8.0	170	78	860	< 0.2	0.4	
	W	*P.promelas 7-day*	○	13	7						7	8.0	170	78	860	< 0.2	0.4	
	S	*C.dubia 7-day*	○	0	0	○	14.7	13.2			7	8.5	200	138	547	< 0.2	4.8	
	S	*P.promelas 7-day*	○	7	7						7	8.5	200	138	547	< 0.2	4.8	
20-Feb-96	W	*C.dubia 7-day*	○	0	0	○	18.1	17.7			7	8.1	218	86	821	< 0.2	0.4	
	W	*P.promelas 7-day*	○	7	3						7	8.1	218	86	821	< 0.2	0.4	
	S	*C.dubia 7-day*	○	0	0	○	16.1	17.9			7	8.1	189	126	565	< 0.2	2.2	
	S	*P.promelas 7-day*	○	7	3						7	8.1	189	126	565	< 0.2	2.2	
13-Aug-96	W	*C.dubia 7-day*	○	3	0	○	17.3	16.4			7	8.2	264	56	990	< 0.2	0.2	
	W	*P.promelas 7-day*	○	3	0						7	8.2	264	56	990	< 0.2	0.2	
	S	*C.dubia 7-day*	○	0	0	●	12.4	19.9			7	7.5	252	113	645	< 0.2	8.4	
	S	*P.promelas 7-day*	○	7	3						7	7.5	252	113	645	< 0.2	8.4	
19-Aug-97	W	*C.dubia 7-day*	○	0	0	○	21.1	15.8			7	8.1	252	60	805	< 0.1	0.5	
	W	*P.promelas 7-day*	○	0	3						7	8.1	252	60	805	< 0.1	0.5	
	S	*C.dubia 7-day*	○	0	0	○	17.0	18.5			7	8.2	286	152	600	< 0.1	14.4	

Sample Types
W=Water
S=Sediment

● Significant Difference
○ No Significant Difference

Primary Endpoints
Crustaceans - mortality. Algae - decrease or increase in cell numbers.
Fish - mortality, teratogenicity, or abnormal swimming behaviour.

Secondary Endpoints
Average number of young per female - applicable only to *Ceriodaphnia dubia.*
Weight - applicable only to fish larval survival and growth test.

Station	Waterbody Description	Old Number	Station ID	Latitude	Longitude	County	

Date Collected	Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)
Continued . . .	**Bryan Municipal Lake near Dam Spillway**																	
19-Aug-97	S	*P.promelas 7-day*	○	3	0						7	8.2	286	152	600	< 0.1	14.4	
04-Nov-02	S	*C.dubia 4-day*	○	0	0						4	7.5	199	169	468	0.9	5.5	
	S	*P.promelas 4-day*	○	0	0						4	7.5	199	169	468	0.9	5.5	
08-Dec-03	S	*C.dubia 4-day*	○	5	0						4	7.6	172	162	476	2.9	7.2	
	S	*P.promelas 4-day*	○	0	0						4	7.6	172	162	476	2.9	7.2	
1209.00000	**Bryan Municipal Lake Mainbody**												**1200.7822**	**11793**	**30°38'27"**	**96°21'37"**	***TNRCC***	***TX***
20-Mar-90	W	*C.dubia 7-day*	○	10	0	◉	13.4	17.7			7	8.1	223	80	444	< 0.1	1.2	
	W	*P.promelas 7-day*	○	0	0						7	8.1	223	80	444	< 0.1	1.2	
14-Aug-90	W	*C.dubia 7-day*	○	0	0	○	17.5	17.2			7	9.3	193	65	476	< 0.1	0.2	
	W	*P.promelas 7-day*	○	3	3						7	9.3	193	65	476	< 0.1	0.2	
27-Nov-90	W	*C.dubia 7-day*	○	0	0	○	19.4	16.7			7	8.3	189	76	737	< 0.1	0.5	
	W	*P.promelas 7-day*	○	5	0						7	8.3	189	76	737	< 0.1	0.5	
04-Feb-91	W	*C.dubia 7-day*	○	0	10	○	19.7	15.5			7	5.9	19	48	179	< 0.1	0.5	
21-May-91	W	*C.dubia 7-day*	○	0	0	○	17.5	14.8			7	8.9	146	68	535	< 0.1	0.6	
	W	*P.promelas 7-day*	○	0	7						7	8.9	146	68	535	< 0.1	0.6	
20-May-92	W	*C.dubia 7-day*	○	0	0	○	21.2	16.2			7	7.7	150	61	488	< 0.1	0.6	
	W	*P.promelas 7-day*	○	3	7						7	7.7	150	61	488	< 0.1	0.6	
26-Aug-02	S	*C.dubia 4-day*	○	0	0						4	7.6	209	159	551	1.4	7.2	
	S	*P.promelas 4-day*	○	2.5	0						4	7.6	209	159	551	1.4	7.2	
1209.00000	**Finfeather Lake near Dam Spillway**												**1200.7830**	**11798**	**30°38'56"**	**96°22'16"**	***TNRCC***	***TX***
12-Feb-90	W	*C.dubia 7-day*	◉	100	0	○					2	8.1	326	78	952	< 0.1	0.6	
	W	*P.promelas 7-day*	◉	27	0						7	8.1	326	78	952	< 0.1	0.6	
20-Mar-90	W	*C.dubia 7-day*	○	10	0	○	18.5	17.7			7	7.9	315	65	776	< 0.1	1.2	
	W	*P.promelas 7-day*	○	3	0						7	7.9	315	65	776	< 0.1	1.2	
14-Aug-90	W	*C.dubia 7-day*	○	50	0	○	5.5	17.2			7	9.2	262	74	857	< 0.1	0.2	
	W	*P.promelas 7-day*	○	0	3						7	9.2	262	74	857	< 0.1	0.2	
27-Nov-90	W	*C.dubia 7-day*	○	0	0	○	18.2	16.7			7	8.3	141	88	1273	< 0.1	0.6	
	W	*P.promelas 7-day*	○	5	0						7	8.3	141	88	1273	< 0.1	0.6	
08-Jul-91	W	*C.dubia 7-day*	○	0	0	○	16.1	16.3			7	8.6	221	75	901	< 0.1	0.4	
	W	*P.promelas 7-day*	○	3	3						7	8.6	221	75	901	< 0.1	0.4	
01-Oct-91	W	*C.dubia 7-day*	○	10	0	○	18.3	13.6			7	8.2	189	77	818	< 0.1	0.7	
	W	*P.promelas 7-day*	○	15	7						7	8.2	189	77	818	< 0.1	0.7	
18-Feb-92	W	*C.dubia 7-day*	○	0	0	○	16.3	18.1			7	8.5	154	71	551	< 0.1	0.4	
	W	*P.promelas 7-day*	○	13	7						7	8.5	154	71	551	< 0.1	0.4	
21-Jul-92	W	*C.dubia 7-day*	◉	60	10	○	16.2	18.2			7	8.2	146	41	655	< 0.1	0.7	
	W	*P.promelas 7-day*	○	7	3						7	8.2	146	41	655	< 0.1	0.7	
23-Feb-93	W	*C.dubia 7-day*	○	0	0	○	21.3	20.8			7	7.9	144	101	662	< 0.1	0.6	

Sample Types
W=Water ◉ Significant Difference
S=Sediment ○ No Significant Difference

Primary Endpoints
Crustaceans - mortality. Algae - decrease or increase in cell numbers.
Fish - mortality, teratogenicity, or abnormal swimming behaviour.

Secondary Endpoints
Average number of young per female - applicable only to *Ceriodaphnia dubia.*
Weight - applicable only to fish larval survival and growth test.

Station	Waterbody Description																								
														Old Number	Station ID	Latitude	Longitude	County							
Date Collected	Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)							
Continued . . .	**Finfeather Lake near Dam Spillway**																								
23-Feb-93	W	*P.promelas 7-day*	○	10	0						7	7.9	144	101	662	< 0.1	0.6								
02-Aug-93	S	*C.dubia 7-day*	◉	100	0	○					1	8.3	239	194	688	1	14.4								
	S	*P.promelas 7-day*	○	17	7						7	8.3	239	194	688	1	14.4								
30-Nov-93	W	*C.dubia 7-day*	○	0	0	○	19.4	17.7			7	7.0	154	117	687	< 0.1	0.4								
	W	*P.promelas 7-day*	○	0	3						7	7.0	154	117	687	< 0.1	0.4								
27-Jun-94	S	*C.dubia 7-day*	◉	100	0	○					1	7.9	275	157	678	< 0.1	16.8								
	S	*P.promelas 7-day*	○	7	3						7	7.9	275	157	678	< 0.1	16.8								
07-Aug-95	W	*C.dubia 7-day*	○	40	0	◉	5.9	13.2			7	8.0	168	117	848	< 0.2	0.1								
	W	*P.promelas 7-day*	○	7	7						7	8.0	168	117	848	< 0.2	0.1								
	S	*C.dubia 7-day*	◉	100	0	○					1	7.9	250	121	654	< 0.2	14.4								
	S	*P.promelas 7-day*	◉	83	7						7	7.9	250	121	654	< 0.2	14.4								
13-Aug-96	W	*C.dubia 7-day*	○	0	0	○	17.6	16.4			7	8.9	340	87	1608	< 0.2	0.1								
	W	*P.promelas 7-day*	○	3	0						7	8.9	340	87	1608	< 0.2	0.1								
	S	*C.dubia 7-day*	○	0	0	◉	11.1	19.9			7	8.1	278	126	724	< 0.2	7.2								
	S	*P.promelas 7-day*	○	3	3						7	8.1	278	126	724	< 0.2	7.2								
19-Aug-97	W	*C.dubia 7-day*	○	0	0	○	20.0	15.8			7	9.4	296	72	1180	< 0.1	0.2								
	W	*P.promelas 7-day*	○	3	3						7	9.4	296	72	1180	< 0.1	0.2								
	S	*C.dubia 7-day*	○	0	0	◉	13.0	18.5			7	8.4	284	104	582	< 0.1	9.6								
	S	*P.promelas 7-day*	○	7	0						7	8.4	284	104	582	< 0.1	9.6								
26-Aug-02	S	*C.dubia 4-day*	○	0	0						4	7.7	203	179	565	1.1	7.2								
	S	*P.promelas 4-day*	○	2.5	0						4	7.7	203	179	565	1.1	7.2								
04-Nov-02	S	*C.dubia 4-day*	○	0	0						4	7.8	166	166	461	0.9	3.6								
	S	*P.promelas 4-day*	○	0	0						4	7.8	166	166	461	0.9	3.6								
08-Dec-03	S	*C.dubia 4-day*	◉	50	0						4	7.8	120	142	414	2	2.4								
	S	*P.promelas 4-day*	○	0	0						4	7.8	120	142	414	2	2.4								
1209.00000	**Finfeather Lake Main Body**												**1200.7832**		**11799**	**30°39'01"**	**96°22'20"**	***TNRCC***	***TX***						
21-May-91	W	*C.dubia 7-day*	◉	100	0	○					4	8.2	198	76	837	< 0.1	0.5								
	W	*P.promelas 7-day*	○	3	7						7	8.2	198	76	837	< 0.1	0.5								
20-May-92	W	*C.dubia 7-day*	○	20	0	○	20.5	16.2			7	8.0	144	82	470	< 0.1	0.6								
	W	*P.promelas 7-day*	○	10	7						7	8.0	144	82	470	< 0.1	0.6								
1209.00000	**Finfeather Lake Headwater**												**1200.7834**		**11800**	**30°39'11"**	**96°22'23"**	***TNRCC***	***TX***						
04-Feb-91	W	*C.dubia 7-day*	◉	100	0	○					1	8.0	64	56	174	< 0.1	0.5								
1218.02700	**Nolan Creek 200 Yards Above Bell County WCID #1 Outfall**												**1218.0270**		**11915**	**31°06'28"**	**97°42'12"**	***TNRCC***	***TX***						
26-Feb-90	W	*C.dubia 7-day*	○	0	10	○	15.2	14.1			7	8.1	204	234	523	< 0.1	0.7								
	W	*P.promelas 7-day*	○	0	0						7	8.1	204	234	523	< 0.1	0.7								
27-Mar-90	W	*C.dubia 7-day*	○	0	10	○	15.8	14.7			7	8.0	211	245	526	< 0.1	0.8								
	W	*P.promelas 7-day*	○	3	7						7	8.0	211	245	526	< 0.1	0.8								

Sample Types

W=Water
S=Sediment

◉ Significant Difference
○ No Significant Difference

Primary Endpoints

Crustaceans - mortality. Algae - decrease or increase in cell numbers.
Fish - mortality, teratogenicity, or abnormal swimming behaviour.

Secondary Endpoints

Average number of young per female - applicable only to *Ceriodaphnia dubia.*
Weight - applicable only to fish larval survival and growth test.

Station	Waterbody Description																							
														Old Number		Station ID		Latitude		Longitude		County		
Date Collected	Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)						
Continued . . .	**Nolan Creek 200 Yards Above Bell County WCID #1 Outfall**																							
04-Jun-90	W	*C.dubia 7-day*	○	40	10	●	5.5	14.2			7	8.0	94	102	239	<	0.1	0.7						
	W	*P.promelas 7-day*	○	13	7						7	8.0	94	102	239	<	0.1	0.7						
07-Aug-90	W	*C.dubia 7-day*	○	0	10	○	17.3	15.5			7	7.9	128	167	289	<	0.1	0.5						
24-Sep-90	W	*C.dubia 7-day*	●	60	10	●	0.0	17.2			7	7.8	159	190	280	<	0.1	0.5						
	W	*P.promelas 7-day*	○	10	3						7	7.8	159	190	280	<	0.1	0.5						
12-Feb-91	W	*C.dubia 7-day*	○	0	0	○	15.9	16.6			7	8.1	196	237	531	<	0.1	0.2						
28-May-91	W	*C.dubia 7-day*	○	10	0	○	11.5	13.2			7	7.8	180	200	487	<	0.1	0.3						
	W	*P.promelas 7-day*	○	0	0						7	7.8	180	200	487	<	0.1	0.3						
15-Jul-91	W	*C.dubia 7-day*	○	0	0	○	14.0	15.9			7	7.4	168	204	495	<	0.1	0.4						
	W	*P.promelas 7-day*	○	10	7						7	7.4	168	204	495	<	0.1	0.4						
1226.0215	**North Bosque at SH 6 South of Stephenville**														**11962**						***TNRCC***	***TX***		
04-Aug-97	W	*C.dubia 7-day*	○	0	0	○	22.0	18.2			7	8.4	204	408	902	<	0.1	0.2						
	W	*P.promelas 7-day*	○	0	3						7	8.4	204	408	902	<	0.1	0.2						
	S	*C.dubia 7-day*	○	0	0	○	22.2	17.8			7	7.8	234	284	662	<	0.1	0.5						
	S	*P.promelas 7-day*	○	7	3						7	7.8	234	284	662	<	0.1	0.5						
1227.00500	**Nolan River at FM 933 in Blum**												**1227.0050**		**11967**		**32°09'00"**		**97°24'02"**		***TNRCC***	***TX***		
10-Jun-97	W	*C.dubia 7-day*	○	0	0	○	21.4	15.1			7	8.4	198	224	516	<	0.1	0.2						
	W	*P.promelas 7-day*	○	0	3						7	8.4	198	224	516	<	0.1	0.2						
	S	*C.dubia 7-day*	○	0	0	○	18.2	16.8			7	7.7	258	268	717	<	0.1	2.0						
	S	*P.promelas 7-day*	○	3	7						7	7.7	258	268	717	<	0.1	2.0						
1227.01000	**Nolan River at FM 916 West of Rio Vista**												**1227.0100**		**11971**		**32°14'00"**		**97°23'48"**		***TNRCC***	***TX***		
17-Aug-95	S	*C.dubia 7-day*	●	60	0	●	0.0	19.3			7	7.6	236	229	593		0.5	2.9						
	S	*P.promelas 7-day*	○	3	7						7	7.6	236	229	593		0.5	2.9						
1245.01000	**Upper Oyster Creek at US Highway 90A in Sugarland**												**1245.0100**		**12083**		**29°37'15"**		**95°38'00"**		***TNRCC***	***TX***		
19-Jul-89	W	*D.pulex*	○	0	0						2	7.9	130	204	579	<	0.1	0.4						
	W	*S.capricornutum*	●	-22							4	7.9	130	204	579	<	0.1	0.4						
1245.01100	**Oyster Creek at Harmon Street in Sugar Land**												**1245.0110**		**12084**		**29°37'45"**		**95°38'07"**		***TNRCC***	***TX***		
22-Jun-89	W	*D.pulex*	○	5	0						2	8.1	110	180	566	<	0.1	<	0.1					
	W	*S.capricornutum*	●	-51							4	8.1	110	180	566	<	0.1	<	0.1					
1245.01500	**Oyster Creek at State Highway 6 near Hull Airport in Sugarland**												**1245.0150**		**12086**		**29°38'02"**		**95°39'02"**		***TNRCC***	***TX***		
19-Jul-89	W	*D.pulex*	○	0	0						2	7.8	136	204	586	<	0.1	0.5						
	W	*S.capricornutum*	●	-27							4	7.8	136	204	586	<	0.1	0.5						
1247.61000	**Grainger Lake in San Gabriel River Arm near Headwaters**												**1247.6100**		**12096**		**30°39'45"**		**97°24'05"**		***TNRCC***	***TX***		
29-Jun-94	W	*C.dubia 7-day*	●	40	0	●	11.0	18.7			7	7.8	132	172	346	<	0.1	0.4						
	W	*P.promelas 7-day*	○	0	3						7	7.8	132	172	346	<	0.1	0.4						

Sample Types

W=Water
S=Sediment

● Significant Difference
○ No Significant Difference

Primary Endpoints

Crustaceans - mortality. Algae - decrease or increase in cell numbers.
Fish - mortality, teratogenicity, or abnormal swimming behaviour.

Secondary Endpoints

Average number of young per female - applicable only to *Ceriodaphnia dubia.*
Weight - applicable only to fish larval survival and growth test.

Station	Waterbody Description																														
																		Old Number		Station ID		Latitude		Longitude		County					
Date Collected	Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)													
Continued . . .	**Grainger Lake in San Gabriel River Arm near Headwaters**																														
29-Jun-94	S	*C.dubia 7-day*	○	0	0	○	17.9	17.7			7	6.8	223	255	499		0.1		1.7												
	S	*P.promelas 7-day*	○	3	10						7	6.8	223	255	499		0.1		1.7												
02-Aug-95	W	*C.dubia 7-day*	○	0	0	○	18.0	16.4			7	8.2	155	125	348	<	0.2	<	0.1												
	W	*P.promelas 7-day*	○	7	0						7	8.2	155	125	348	<	0.2	<	0.1												
	S	*C.dubia 7-day*	○	10	0	○	17.4	13.2			7	7.9	123	115	321	<	0.2	<	0.1												
	S	*P.promelas 7-day*	○	0	7						7	7.9	123	115	321	<	0.2	<	0.1												
24-Jun-96	W	*C.dubia 7-day*	○	0	0	○	14.1	15.1			7	7.7	148	147	404	<	0.2		0.2												
	W	*P.promelas 7-day*	○	6	0						7	7.7	148	147	404	<	0.2		0.2												
	S	*C.dubia 7-day*	○	0	0	○	19.1	17.6			7	8.0	182	177	480	<	0.2		1.3												
	S	*P.promelas 7-day*	○	6	3						7	8.0	182	177	480	<	0.2		1.3												
27-Aug-97	W	*C.dubia 7-day*	○	0	0	○	18.6	17.5			7	8.2	134	160	321	<	0.1		0.2												
	W	*P.promelas 7-day*	○	0	7						7	8.2	134	160	321	<	0.1		0.2												
	S	*C.dubia 7-day*	○	0	0	○	20.5	17.5			7	7.7	212	216	566	<	0.1		3.4												
	S	*P.promelas 7-day*	○	7	7						7	7.7	212	216	566	<	0.1		3.4												
1247.62000	**Grainger Lake (Willis Creek Arm)**												**1247.6200**		**12097**		**30°42'00"**		**97°23'30"**							***TNRCC***		***TX***			
27-Aug-97	W	*C.dubia 7-day*	○	0	0	○	18.4	17.5			7	8.2	124	144	288	<	0.1		0.4												
	W	*P.promelas 7-day*	○	0	7						7	8.2	124	144	288	<	0.1		0.4												
	S	*C.dubia 7-day*	○	0	0	○	19.0	17.5			7	7.8	228	220	584	<	0.1		7.0												
	S	*P.promelas 7-day*	○	3	7						7	7.8	228	220	584	<	0.1		7.0												
1302.00000	**Coushatta Creek at Atwater Prairie Chicken NWR**												**1302.00000**		**16368**		**29°40'36"**		**96°16'50"**							***TNRCC***		***TX***			
19-Sep-97	S	*C.dubia 7-day*	○	10	0	●	10.8	19.5			7	7.0	102	136	368	<	0.1		0.5												
	S	*P.promelas 7-day*	○	0	0						7	7.0	102	136	368	<	0.1		0.5												
1302.00000	**West Bernard Creek ESE of Lissie**												**1302.00000**		**16374**		**29°32'11"**		**96°11'03"**							***TNRCC***		***TX***			
19-Sep-97	S	*C.dubia 7-day*	○	0	0	○	17.5	19.5			7	7.6	234	260	604	<	0.1		8.4												
	S	*P.promelas 7-day*	○	7	0						7	7.6	234	260	604	<	0.1		8.4												
1302.00000	**Middle Bernard Creek at CR 210B**												**1302.00000**		**16376**		**29°37'38"**		**96°13'41"**							***TNRCC***		***TX***			
19-Sep-97	S	*C.dubia 7-day*	○	0	0	○	17.7	19.5			7	7.6	250	236	597	<	0.1		2.4												
	S	*P.promelas 7-day*	○	3	0						7	7.6	250	236	597	<	0.1		2.4												
1302.01000	**San Bernard River Bridge on FM 442 Southwest of Needville**												**1302.0100**		**12147**		**29°18'47"**		**95°53'36"**							***TNRCC***		***TX***			
24-Apr-90	W	*C.dubia 7-day*	○	0	0	○	18.9	18.1			7	7.5	67	84	167	<	0.1		0.5												
	W	*P.promelas 7-day*	○	10	7						7	7.5	67	84	167	<	0.1		0.5												
16-Jul-90	W	*C.dubia 7-day*	○	0	0	●	10.4	14.6			7	8.4	144	232	884	<	0.1		0.4												
10-Oct-90	W	*C.dubia 7-day*	○	0	0	○	17.7	16.5			7	7.8	177	268	805	<	0.1		0.5												
21-Jan-91	W	*C.dubia 7-day*	○	0	0	○	20.1	15.7			7	6.3	28	40	77	<	0.1	<	0.1												
03-Apr-91	W	*C.dubia 7-day*	○	0	0	○	20.2	17.3			7	7.7	225	227	689	<	0.1		0.2												
	W	*P.promelas 7-day*	○	3	3						7	7.7	225	227	689	<	0.1		0.2												

Sample Types

W=Water
S=Sediment

● Significant Difference
○ No Significant Difference

Primary Endpoints

Crustaceans - mortality. Algae - decrease or increase in cell numbers.
Fish - mortality, teratogenicity, or abnormal swimming behaviour.

Secondary Endpoints

Average number of young per female - applicable only to *Ceriodaphnia dubia.*
Weight - applicable only to fish larval survival and growth test.

Station	Waterbody Description																							
														Old Number	Station ID	Latitude	Longitude	County						
Date Collected	Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)						
Continued . . .	**San Bernard River Bridge on FM 442 Southwest of Needville**																							
23-Jul-91	W	*C.dubia 7-day*	○	0	0	○	19.6	15.2			7	6.7	90	142	378	< 0.1	0.5							
	W	*P.promelas 7-day*	○	20	7						7	6.7	90	142	378	< 0.1	0.5							
1304.04000	**Caney Creek at Wooden Bridge 200 Yards Below Linnville Bayou Confluence Adjacent to FM 521**												**1305.0075**		**12151**	**28°57'08"**	**95°42'32"**	***TNRCC***		***TX***				
06-Apr-89	W	*C.dubia 7-day*	○	0	0	○	17.2	16.4			7	8.7	219	252	1605	< 0.1	1.6		< 0.1					
	W	*P.promelas 7-day*	○	7	0						7	8.7	219	252	1605	< 0.1	1.6		< 0.1					
24-Apr-90	W	*C.dubia 7-day*	○	0	0	○	19.3	18.1			7	8.0	144	265	1268	< 0.1	0.2							
	W	*P.promelas 7-day*	○	3	7						7	8.0	144	265	1268	< 0.1	0.2							
16-Jul-90	W	*C.dubia 7-day*	○	0	0	○	12.3	14.6			7	8.1	148	207	1091	< 0.1	0.6							
01-Oct-91	W	*C.dubia 7-day*	○	10	0	○	15.1	13.6			7	7.5	174	238	994	< 0.1	0.8							
	W	*P.promelas 7-day*	○	7	7						7	7.5	174	238	994	< 0.1	0.8							
02-Dec-91	W	*C.dubia 7-day*	○	0	0	○	17.5	16.9			7	7.9	99	174	1191	< 0.1	1.8							
	W	*P.promelas 7-day*	○	0	3						7	7.9	99	174	1191	< 0.1	1.8							
24-Mar-92	W	*C.dubia 7-day*	○	0	0	○	19.6	17.6			7	8.1	212	253	1090	< 0.1	1.7							
	W	*P.promelas 7-day*	○	3	7						7	8.1	212	253	1090	< 0.1	1.7							
07-Jul-92	W	*C.dubia 7-day*	○	10	10	○	15.3	13.1			7	8.3	132	184	600	< 0.1	0.4							
	W	*P.promelas 7-day*	○	3	7						7	8.3	132	184	600	< 0.1	0.4							
22-Sep-92	W	*C.dubia 7-day*	○	0	0	○	21.0	21.3			7	7.8	192	203	818	< 0.1	0.4							
	W	*P.promelas 7-day*	○	7	10						7	7.8	192	203	818	< 0.1	0.4							
15-Dec-92	W	*C.dubia 7-day*	○	0	0	○	18.5	18.7			7	7.0	85	136	362	< 0.1	0.5							
	W	*P.promelas 7-day*	○	3	3						7	7.0	85	136	362	< 0.1	0.5							
17-Mar-93	W	*C.dubia 7-day*	○	0	0	○	20.3	19.7			7	7.0	72	97	140	< 0.1	0.5							
	W	*P.promelas 7-day*	○	7	7						7	7.0	72	97	140	< 0.1	0.5							
15-Jun-93	S	*C.dubia 7-day*	○	0	0	○	20.7	18.3			7	7.5	184	183	505	< 0.1	0.2							
	S	*P.promelas 7-day*	○	3	7						7	7.5	184	183	505	< 0.1	0.2							
14-Sep-93	W	*C.dubia 7-day*	○	0	0	○	20.5	18.8			7	7.2	179	238	1114	0.2	0.4							
	W	*P.promelas 7-day*	○	0	0						7	7.2	179	238	1114	0.2	0.4							
09-Dec-93	S	*C.dubia 7-day*	○	0	0	○	20.8	19.4			7	7.3	196	188	621	0.2	0.5							
	S	*P.promelas 7-day*	○	3	3						7	7.3	196	188	621	0.2	0.5							
23-Mar-94	W	*C.dubia 7-day*	○	0	0	○	21.7	19.8			7	7.3	150	196	1123	< 0.1	1.4							
	W	*P.promelas 7-day*	○	7	0						7	7.3	150	196	1123	< 0.1	1.4							
23-Jun-94	S	*C.dubia 7-day*	○	10	3	○	16.6	19.4			7	7.3	137	176	425	< 0.1	0.2							
	S	*P.promelas 7-day*	○	3	0						7	7.3	137	176	425	< 0.1	0.2							
1305.00000	**Linnville Bayou at CR 521, 230 Meters Upstream from Caney Creek Confluence**												**1300.0710**		**12137**	**28°57'08"**	**95°42'37"**	***TNRCC***		***TX***				
13-Mar-89	W	*C.dubia 7-day*	○	30	0	●	0.0	19.0			7	7.9	195	220	11220	< 0.1	2.0		0.1					
	W	*P.promelas 7-day*	●	100	3						8	7.9	195	220	11220	< 0.1	2.0		0.1					
06-Apr-89	W	*C.dubia 7-day*	○	0	0	●	2.5	16.4			7	8.5	110	273	3020	< 0.1	3.4		1.9					
	W	*P.promelas 7-day*	●	100	0						7	8.5	110	273	3020	< 0.1	3.4		1.9					

Sample Types

W=Water
S=Sediment

● Significant Difference
○ No Significant Difference

Primary Endpoints

Crustaceans - mortality. Algae - decrease or increase in cell numbers.
Fish - mortality, teratogenicity, or abnormal swimming behaviour.

Secondary Endpoints

Average number of young per female - applicable only to *Ceriodaphnia dubia.*
Weight - applicable only to fish larval survival and growth test.

Station	Waterbody Description												Old Number	Station ID	Latitude	Longitude	County	
1305.00000	**Linnville Bayou at CR 324 (Hasema Road)**												**1300.0726**	**12141**	**29°02'34"**	**95°46'54"**	***TNRCC***	***TX***
Date Collected	**Sample Type**	**Test Tyoe**	**Primary Endpoint**	**Test Percent Affected**	**Control Percent Affected**	**Secondary Endpoint**	**Test YPF**	**Control YPF**	**Test Weight (mg)**	**Control Weight (mg)**	**Test Duration (Days)**	**pH (S.U.)**	**Alkalinity (mg/L)**	**Hardness (mg/L)**	**Conductivity (umhos/cm)**	**Total Chlorine (mg/L)**	**Total Ammonia-N (mg/L)**	**Unionized Ammonia-N (mg/l)**
24-Apr-90	W	*C.dubia 7-day*	○	0	0	●	9.2	18.1			7	7.6	150	282	2240	< 0.1	6.0	
	W	*P.promelas 7-day*	●	50	7						7	7.6	150	282	2240	< 0.1	6.0	
16-Jul-90	W	*C.dubia 7-day*	○	0	0	●	5.7	14.6			7	7.9	202	244	3520	< 0.1	7.2	
10-Oct-90	W	*C.dubia 7-day*	●	60	0	●	0.0	16.5			7	7.4	176	370	3920	< 0.1	12.0	
21-Jan-91	W	*C.dubia 7-day*	○	0	0	○	16.6	15.7			7	6.6	81	84	189	< 0.1	0.5	
03-Apr-91	W	*C.dubia 7-day*	●	100	0	○					1	7.8	225	241	2270	< 0.1	16.0	
	W	*P.promelas 7-day*	●	50	3						7	7.8	225	241	2270	< 0.1	16.0	
23-Jul-91	W	*C.dubia 7-day*	●	80	0	●	5.5	15.2			7	7.4	221	267	2340	< 0.1	15.6	
	W	*P.promelas 7-day*	●	90	7						7	7.4	221	267	2340	< 0.1	15.6	
01-Oct-91	W	*C.dubia 7-day*	○	0	0	●	4.9	13.6			7	7.5	212	291	2040	< 0.1	7.7	
	W	*P.promelas 7-day*	●	100	7						5	7.5	212	291	2040	< 0.1	7.7	
02-Dec-91	W	*C.dubia 7-day*	●	100	0	○					1	7.8	214	237	2550	< 0.1	7.7	
	W	*P.promelas 7-day*	●	100	3						7	7.8	214	237	2550	< 0.1	7.7	
24-Mar-92	W	*C.dubia 7-day*	○	0	0	●	0.4	17.6			7	8.0	196	253	2400	0.1	13.0	
	W	*P.promelas 7-day*	●	100	7						7	8.0	196	253	2400	0.1	13.0	
07-Jul-92	W	*C.dubia 7-day*	●	20	10	●	3.3	13.1			7	7.2	100	277	2660	< 0.1	1.8	
	W	*P.promelas 7-day*	●	100	7						7	7.2	100	277	2660	< 0.1	1.8	
25-Aug-92	W	*C.dubia 7-day*	○	10	0	●	2.3	14.3			7	7.6	108	268	2300	< 0.1	4.8	
	W	*P.promelas 7-day*	●	100	3						7	7.6	108	268	2300	< 0.1	4.8	
23-Sep-92	W	*C.dubia 7-day*	○	0	0	●	3.4	21.3			7	7.3	150	301	3420	< 0.1	0.4	
	W	*P.promelas 7-day*	●	100	10						7	7.3	150	301	3420	< 0.1	0.4	
	S	*C.dubia 7-day*	○	0	0	○	25.6	21.3			7	8.1	216	69	870	< 0.1	5.3	
	S	*P.promelas 7-day*	●	53	10						7	8.1	216	69	870	< 0.1	5.3	
15-Dec-92	W	*C.dubia 7-day*	○	0	0	○	17.5	18.7			7	7.6	95	132	451	< 0.1	0.2	
	W	*P.promelas 7-day*	○	10	3						7	7.6	95	132	451	< 0.1	0.2	
17-Mar-93	W	*C.dubia 7-day*	○	0	0	○	20.5	19.7			7	7.4	118	133	260	< 0.1	0.5	
	W	*P.promelas 7-day*	○	7	7						7	7.4	118	133	260	< 0.1	0.5	
15-Jun-93	S	*C.dubia 7-day*	○	20	0	○	21.3	18.3			7	6.8	177	179	527	< 0.1	0.2	
	S	*P.promelas 7-day*	○	0	7						7	6.8	177	179	527	< 0.1	0.2	
14-Sep-93	W	*C.dubia 7-day*	○	0	0	○	17.3	18.8			7	7.0	160	300	3870	0.1	1.0	
	W	*P.promelas 7-day*	○	7	0						7	7.0	160	300	3870	0.1	1.0	
06-Dec-93	W	*C.dubia 7-day*	○	0	0	○	19.8	16.8			7	7.0	114	171	1268	< 0.1	0.6	
	W	*P.promelas 7-day*	○	7	3						7	7.0	114	171	1268	< 0.1	0.6	
	S	*C.dubia 7-day*	○	0	0	○	19.0	19.7			7	7.5	127	108	698	< 0.1	1.9	
	S	*P.promelas 7-day*	○	10	3						7	7.5	127	108	698	< 0.1	1.9	
23-Mar-94	W	*C.dubia 7-day*	○	0	0	○	20.4	19.8			7	6.8	144	175	446	0.2	0.7	
	W	*P.promelas 7-day*	○	0	0						7	6.8	144	175	446	0.2	0.7	

Sample Types

W=Water
S=Sediment

● Significant Difference
○ No Significant Difference

Primary Endpoints

Crustaceans - mortality. Algae - decrease or increase in cell numbers.
Fish - mortality, teratogenicity, or abnormal swimming behaviour.

Secondary Endpoints

Average number of young per female - applicable only to *Ceriodaphnia dubia.*
Weight - applicable only to fish larval survival and growth test.

Station	Waterbody Description																														
																				Old Number		Station ID		Latitude		Longitude		County			
Date Collected	Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)													
Continued . . .	**Linnville Bayou at CR 324 (Hasema Road)**																														
28-Jun-94	W	*C.dubia 7-day*	○	0	0	○	20.1	18.5			7	6.9	124	201	717	<	0.1	0.7													
	W	*P.promelas 7-day*	○	3	0						7	6.9	124	201	717	<	0.1	0.7													
	S	*C.dubia 7-day*	○	0	0	○	20.1	19.4			7	6.8	242	240	728		0.3	2.2													
	S	*P.promelas 7-day*	○	10	0						7	6.8	242	240	728		0.3	2.2													
13-Sep-94	W	*C.dubia 7-day*	○	0	0	○	20.2	16.9			7	6.8	118	206	1420	<	0.1	0.8													
	W	*P.promelas 7-day*	○	3	7						7	6.8	118	206	1420	<	0.1	0.8													
07-Jun-95	S	*C.dubia 7-day*	○	0	0	○	20.0	18.8			7	7.4	234	123	659	<	0.1	0.1													
	S	*P.promelas 7-day*	○	0	0						7	7.4	234	123	659	<	0.1	0.1													
06-Sep-95	W	*C.dubia 7-day*	○	0	0	○	18.2	19.2			7	8.0	104	302	3370	<	0.2	<	0.1												
	W	*P.promelas 7-day*	○	7	0						7	8.0	104	302	3370	<	0.2	<	0.1												
06-Dec-95	S	*C.dubia 7-day*	○	10	0	○	17.7	18.6			7	8.3	260	108	833	<	0.2	0.6													
	S	*P.promelas 7-day*	○	3	3						7	8.3	260	108	833	<	0.2	0.6													
05-Mar-96	W	*C.dubia 7-day*	○	0	0	○	17.2	18.3			7	7.8	120	247	2610	<	0.2	0.4													
	W	*P.promelas 7-day*	○	0	10						7	7.8	120	247	2610	<	0.2	0.4													
05-Jun-96	S	*C.dubia 7-day*	○	0	0	○	18.2	16.8			7	7.6	274	104	1101	<	0.2	2.8													
	S	*P.promelas 7-day*	○	3	10						7	7.6	274	104	1101	<	0.2	2.8													
09-Sep-96	W	*C.dubia 7-day*	○	0	0	○	19.2	17.2			7	7.1	108	121	307	<	0.2	0.4													
	W	*P.promelas 7-day*	○	0	3						7	7.1	108	121	307	<	0.2	0.4													
05-Jun-97	S	*C.dubia 7-day*	○	0	0	○	21.7	16.8			7	7.6	172	148	579	<	0.1	1.4													
	S	*P.promelas 7-day*	○	10	7						7	7.6	172	148	579	<	0.1	1.4													
1305.00000	**Linnville Bayou 50 M Upstream of Phillips Petroleum Co. Outfall 001**												**1300.0728**		**12142**		**29°02'47"**		**95°46'37"**			***TNRCC***		***TX***							
13-Mar-89	W	*C.dubia 7-day*	○	0	0	○	19.7	19.0			7	7.2	89	84	145	<	0.1	0.6			<	0.1									
	W	*P.promelas 7-day*	○	3	3						8	7.2	89	84	145	<	0.1	0.6			<	0.1									
1305.00000	**Linnville Bayou at SH35, West of Old Ocean**												**1300.0750**		**12145**		**29°04'10"**		**95°47'20"**			***TNRCC***		***TX***							
25-Aug-92	W	*C.dubia 7-day*	○	0	0	○	13.2	14.3			7	7.1	130	158	236	<	0.1	0.4													
	W	*P.promelas 7-day*	○	3	3						7	7.1	130	158	236	<	0.1	0.4													
23-Sep-92	S	*C.dubia 7-day*	○	0	0	○	23.9	21.3			7	7.6	204	179	501	<	0.1	1.3													
	S	*P.promelas 7-day*	○	3	10						7	7.6	204	179	501	<	0.1	1.3													
06-Dec-93	W	*C.dubia 7-day*	○	0	0	○	20.9	16.8			7	6.6	124	150	299	<	0.1	0.2													
	W	*P.promelas 7-day*	○	3	3						7	6.6	124	150	299	<	0.1	0.2													
	S	*C.dubia 7-day*	○	0	0	○	20.7	19.7			7	8.2	116	179	523	<	0.1	1.1													
	S	*P.promelas 7-day*	○	7	3						7	8.2	116	179	523	<	0.1	1.1													
28-Jun-94	W	*C.dubia 7-day*	○	0	0	○	19.1	18.5			7	6.6	111	152	265	<	0.1	0.1													
	W	*P.promelas 7-day*	○	0	0						7	6.6	111	152	265	<	0.1	0.1													
	S	*C.dubia 7-day*	○	0	0	○	19.1	19.4			7	7.4	218	308	609	<	0.1	2.3													
	S	*P.promelas 7-day*	○	0	0						7	7.4	218	308	609	<	0.1	2.3													
1305.00000	**Linnville Bayou at CR 321 (Boone Road) 8.8 Km (5.5m) West of Sweeny**												**1300.0717**		**13548**		**28°58'01"**		**95°46'01"**			***TNRCC***		***TX***							

Sample Types

W=Water
S=Sediment

◉ Significant Difference
○ No Significant Difference

Primary Endpoints

Crustaceans - mortality. Algae - decrease or increase in cell numbers.
Fish - mortality, teratogenicity, or abnormal swimming behaviour.

Secondary Endpoints

Average number of young per female - applicable only to *Ceriodaphnia dubia.*
Weight - applicable only to fish larval survival and growth test.

Station / Date Collected	Sample Type / Waterbody Description	Test Type	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L) / Old Number	Hardness (mg/L)	Conductivity (umhos/cm) / Station ID	Total Chlorine (mg/L) / Latitude	Total Ammonia-N (mg/L) / Longitude	Unionized Ammonia-N (mg/l) / County
Continued . . .	**Linnville Bayou at CR 321 (Boone Road) 8.8 Km (5.5m) West of Sweeny**																	
25-Aug-92	W	*C.dubia 7-day*	○	0	0	●	1.6	14.3			7	7.2	102	297	2500	< 0.1	3.5	
	W	*P.promelas 7-day*	●	40	3						7	7.2	102	297	2500	< 0.1	3.5	
23-Sep-92	W	*C.dubia 7-day*	○	0	0	○	20.7	21.3			7	8.3	196	89	983	< 0.1	3.1	
	W	*P.promelas 7-day*	○	3	10						7	8.3	196	89	983	< 0.1	3.1	
06-Dec-93	W	*C.dubia 7-day*	○	0	0	○	19.2	16.8			7	6.7	89	100	429	< 0.1	0.5	
	W	*P.promelas 7-day*	○	7	3						7	6.7	89	100	429	< 0.1	0.5	
	S	*C.dubia 7-day*	○	10	0	○	19.4	19.7			7	7.4	146	71	689	< 0.1	3.6	
	S	*P.promelas 7-day*	○	7	3						7	7.4	146	71	689	< 0.1	3.6	
28-Jun-94	W	*C.dubia 7-day*	○	0	0	○	17.8	18.5			7	6.9	147	181	456	0.2	0.5	
	W	*P.promelas 7-day*	○	3	0						7	6.9	147	181	456	0.2	0.5	
	S	*C.dubia 7-day*	○	0	0	○	17.8	19.4			7	7.0	216	255	555	0.2	0.6	
	S	*P.promelas 7-day*	○	7	0						7	7.0	216	255	555	0.2	0.6	
1305.00000	**Linnville Bayou at Butler Ranch, 1.2km Downstream of Railroad Crossing, 2.5 km Downstream of Hasema Road**														**14426**	**29°01'12"**	**95°46'51"**	***TNRCC TX***
08-Jul-92	W	*C.dubia 7-day*	○	0	10	○	12.2	13.1			7	7.5	102	261	2240	< 0.1	1.4	
	W	*P.promelas 7-day*	●	73	7						7	7.5	102	261	2240	< 0.1	1.4	
1305.00000	**Linnville Bayou 100 Yards Downstream from Phillips 66 Discharge**												**1300.072?**		**TNRCC3**	**29°02'47"**	**95°46'35"**	***TNRCC TX***
13-Mar-89	W	*C.dubia 7-day*	●	100	0	○					4	7.6	187	208	1815	< 0.1	5.0	0.3
	W	*P.promelas 7-day*	●	100	3						8	7.6	187	208	1815	< 0.1	5.0	0.3
1305.00000	**Linnville Bayou 100 Feet Above Confluence with Little Linnville Bayou**												**1300.072??**		**TNRCC4**	**29°01'38"**	**95°46'57"**	***TNRCC TX***
13-Mar-89	W	*C.dubia 7-day*	●	100	0	○					4	7.5	200	220	2070	< 0.1	1.4	0.4
	W	*P.promelas 7-day*	●	100	3						8	7.5	200	220	2070	< 0.1	1.4	0.4
1305.00000	**Little Linnville Bayou 100 Feet Above Confluence with Linnville Bayou**												**1300.074?**		**TNRCC9**	**29°01'42"**	**95°46'54"**	***TNRCC TX***
13-Mar-89	W	*C.dubia 7-day*	○	0	0	○	20.3	19.0			8	7.7	172	232	412	< 0.1	0.5	< 0.1
	W	*P.promelas 7-day*	○	7	3						8	7.7	172	232	412	< 0.1	0.5	< 0.1
1305.01000	**Caney Creek above Tidal at FM 521**												**1305.0100**		**12152**	**28°56'26"**	**95°43'18"**	***TNRCC TX***
13-Mar-89	W	*C.dubia 7-day*	○	10	0	●	2.8	19.0			7	7.9	195	212	768	< 0.1	0.8	< 0.1
	W	*P.promelas 7-day*	●	100	3						8	7.9	195	212	768	< 0.1	0.8	< 0.1
06-Apr-89	W	*C.dubia 7-day*	○	0	0	○	18.6	16.4			7	8.8	203	189	529	< 0.1	0.4	< 0.1
	W	*P.promelas 7-day*	○	3	0						7	8.8	203	189	529	< 0.1	0.4	< 0.1
1402.00000	**Skull Creek at CR 16**												**1402.000000**		**16375**	**29°32'07"**	**96°26'13"**	***TNRCC TX***
19-Sep-97	S	*C.dubia 7-day*	○	0	0	○	19.4	19.5			7	7.3	158	200	465	< 0.1	8.6	
	S	*P.promelas 7-day*	○	3	0						7	7.3	158	200	465	< 0.1	8.6	
1412.01400	**Colorado River at SH163 in Colorado City**												**1412.0140**		**12363**	**32°22'30"**	**100°52'30"**	***TNRCC TX***
19-Apr-93	W	*C.dubia 7-day*	○	10	0	●	3.0	19.6			7	7.9	200	940	4420	< 0.1	0.2	
	W	*P.promelas 7-day*	○	13	3						7	7.9	200	940	4420	< 0.1	0.2	

Sample Types
W=Water
S=Sediment

● Significant Difference
○ No Significant Difference

Primary Endpoints
Crustaceans - mortality. Algae - decrease or increase in cell numbers.
Fish - mortality, teratogenicity, or abnormal swimming behaviour.

Secondary Endpoints
Average number of young per female - applicable only to *Ceriodaphnia dubia.*
Weight - applicable only to fish larval survival and growth test.

Station	Waterbody Description																							
														Old Number	Station ID	Latitude	Longitude	County						
Date Collected	Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)						
Continued . . .	**Colorado River at SH163 in Colorado City**																							
19-Apr-93	S	*C.dubia 7-day*	○	0	0	○	20.7	19.1			7	7.2	214	155	705	< 0.1	1.2							
	S	*P.promelas 7-day*	○	3	10						7	7.2	214	155	705	< 0.1	1.2							
16-Aug-93	W	*C.dubia 7-day*	●	100	0	○					1	7.8	264	256	12370	0.2	1.9							
	W	*P.promelas 7-day*	○	17	3						7	7.8	264	256	12370	0.2	1.9							
	S	*C.dubia 7-day*	○	0	0	○	21.0	18.2			7	6.9	198	161	1155	< 0.1	1.2							
	S	*P.promelas 7-day*	○	3	3						7	6.9	198	161	1155	< 0.1	1.2							
1416.00000	**Brady Creek on Private Road 2.1 Miles Downstream of FM 714**														**14232**	**31°03'04"**	**99°22'05"**	***TNRCC***	***TX***					
20-May-96	W	*C.dubia 7-day*	○	0	0	○	19.3	16.8			7	8.4	346	320	978	< 0.2	0.8							
	W	*P.promelas 7-day*	○	10	3						7	8.4	346	320	978	< 0.2	0.8							
	S	*C.dubia 7-day*	○	0	0	●	8.1	16.8			7	7.9	296	337	827	< 0.2	1.8							
	S	*P.promelas 7-day*	○	10	3						7	7.9	296	337	827	< 0.2	1.8							
28-Aug-96	W	*C.dubia 7-day*	○	0	0	○	19.4	16.3			7	8.0	320	312	1093	< 0.2	0.5							
	W	*P.promelas 7-day*	○	0	0						7	8.0	320	312	1093	< 0.2	0.5							
1421.04700	**North Concho River 20m Upstream of Irving Street Dam in San Angelo**												**1421.0470**		**12412**	**31°31'27"**	**100°22'30"**	***TNRCC***	***TX***					
15-Oct-91	W	*C.dubia 7-day*	●	100	0	○					2	7.9	250	393	1428	< 0.1	0.7							
	W	*P.promelas 7-day*	○	0	3						7	7.9	250	393	1428	< 0.1	0.7							
29-Jan-92	W	*C.dubia 7-day*	○	0	10	○	16.3	16.2			7	7.9	143	213	613	< 0.1	2.3							
	W	*P.promelas 7-day*	○	3	0						7	7.9	143	213	613	< 0.1	2.3							
21-Apr-92	W	*C.dubia 7-day*	○	0	0	○	20.6	16.8			7	7.1	100	204	482	< 0.1	0.5							
	W	*P.promelas 7-day*	○	13	7						7	7.1	100	204	482	< 0.1	0.5							
28-Jul-92	W	*C.dubia 7-day*	○	0	0	○	18.2	17.7			7	8.2	246	467	1563	< 0.1	0.2							
19-Apr-93	W	*C.dubia 7-day*	○	0	0	○	21.6	19.6			7	8.1	300	631	1549	< 0.1	0.8							
	W	*P.promelas 7-day*	○	10	3						7	8.1	300	631	1549	< 0.1	0.8							
	S	*C.dubia 7-day*	○	0	0	○	21.9	19.1			7	7.1	250	194	464	< 0.1	3.6							
	S	*P.promelas 7-day*	○	0	10						7	7.1	250	194	464	< 0.1	3.6							
16-Aug-93	W	*C.dubia 7-day*	○	0	0	○	18.0	17.5			7	8.2	205	384	1260	0.1	0.2							
	W	*P.promelas 7-day*	○	7	3						7	8.2	205	384	1260	0.1	0.2							
	S	*C.dubia 7-day*	○	0	0	●	15.8	18.2			7	7.5	245	231	646	0.1	10.8							
	S	*P.promelas 7-day*	○	0	3						7	7.5	245	231	646	0.1	10.8							
08-Aug-94	W	*C.dubia 7-day*	○	0	0	○	20.8	17.7			7	7.8	193	436	1297	0.1	0.5							
	W	*P.promelas 7-day*	○	7	3						7	7.8	193	436	1297	0.1	0.5							
	S	*C.dubia 7-day*	○	0	0	○	22.2	21.4			7	7.5	244	343	595	0.2	2.3							
	S	*P.promelas 7-day*	○	7	7						7	7.5	244	343	595	0.2	2.3							
29-Nov-94	W	*C.dubia 7-day*	○	0	0	○	20.0	16.9			7	7.4	150	284	896	0.2	0.4							
	W	*P.promelas 7-day*	○	0	7						7	7.4	150	284	896	0.2	0.4							
31-May-95	W	*C.dubia 7-day*	●	70	0	●	1.8	18.8			7	7.5	118	172	669	< 0.2	0.6							
	W	*P.promelas 7-day*	○	10	3						7	7.5	118	172	669	< 0.2	0.6							

Sample Types

W=Water
S=Sediment

● Significant Difference
○ No Significant Difference

Primary Endpoints

Crustaceans - mortality. Algae - decrease or increase in cell numbers.
Fish - mortality, teratogenicity, or abnormal swimming behaviour.

Secondary Endpoints

Average number of young per female - applicable only to *Ceriodaphnia dubia.*
Weight - applicable only to fish larval survival and growth test.

Station	Waterbody Description																			Old Number	Station ID	Latitude	Longitude	County	
Date Collected	Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)							
Continued . . .	**North Concho River 20m Upstream of Irving Street Dam in San Angelo**																								
24-Jul-95	W	*C.dubia 7-day*	○	20	20	○	16.3	14.1			7	7.9	272	467	2120	< 0.2	1.0								
	W	*P.promelas 7-day*	○	3	3						7	7.9	272	467	2120	< 0.2	1.0								
	S	*C.dubia 7-day*	○	60	20	●	6.6	14.1			7	7.7	242	268	781	< 0.2	2.9								
	S	*P.promelas 7-day*	○	3	3						7	7.7	242	268	781	< 0.2	2.9								
20-May-96	W	*C.dubia 7-day*	○	0	0	○	19.8	16.8			7	8.5	216	403	1336	< 0.2	0.2								
	W	*P.promelas 7-day*	○	0	3						7	8.5	216	403	1336	< 0.2	0.2								
28-Aug-96	W	*C.dubia 7-day*	○	10	0	○	18.2	16.3			7	8.1	130	255	989	< 0.2	0.5								
	W	*P.promelas 7-day*	○	0	7						7	8.1	130	255	989	< 0.2	0.5								
18-Aug-97	W	*C.dubia 7-day*	○	0	0	○	18.5	15.8			7	8.3	268	464	1600	< 0.1	1.1								
	W	*P.promelas 7-day*	○	3	3						7	8.3	268	464	1600	< 0.1	1.1								
	S	*C.dubia 7-day*	○	0	0	○	19.6	18.5			7	7.6	252	226	615	< 0.1	12.0								
	S	*P.promelas 7-day*	○	0	0						7	7.6	252	226	615	< 0.1	12.0								
13-Apr-00	W	*C.dubia 7-day*	○	0	0	○	19.4	16.7			7	8.0	232	483	1560	< 0.1	0.4								
	W	*P.promelas 7-day*	○	0	3						7	8.0	232	483	1560	< 0.1	0.4								
	S	*C.dubia 7-day*	○	0	0	○	18.8	16.7			7	7.6	259	229	570	0.2	3.6								
	S	*P.promelas 7-day*	○	0	3						7	7.6	259	229	570	0.2	3.6								
23-Aug-00	W	*C.dubia 7-day*	○	0	0	○	19.1	18.0			7	8.3	182	364	1096	0.1	0.2								
	W	*P.promelas 7-day*	○	0	0						7	8.3	182	364	1096	0.1	0.2								
	S	*C.dubia 7-day*	○	0	0	○	25.9	17.7			7	8.2	265	241	602	0.1	8.4								
	S	*P.promelas 7-day*	○	0	0						7	8.2	265	241	602	0.1	8.4								
20-Aug-01	W	*C.dubia 7-day*	○	0	0	○	18.5	18.2			7	8.1	172	354	770	< 0.1	0.5								
	W	*P.promelas 7-day*	○	3	3						7	8.1	172	354	770	< 0.1	0.5								
28-Aug-01	S	*C.dubia 7-day*	●	100	0	●	6.3	16.9			6	8.0	258	248	625	< 0.1	10.1								
	S	*P.promelas 7-day*	○	3	0						7	8.0	258	248	625	< 0.1	10.1								
1426.05000	**Colorado River 0.6 Mi Upstream of SH 158 near Robert Lee**																				**15147**			***TNRCC***	***TX***
17-Aug-97	W	*C.dubia 7-day*	○	0	0	○	20.2	15.8			7	7.8	148	920	4800	< 0.1	2.5								
	W	*P.promelas 7-day*	○	0	3						7	7.8	148	920	4800	< 0.1	2.5								
	S	*C.dubia 7-day*	○	0	0	○	20.1	18.5			7	8.1	208	264	781	< 0.1	1.1								
	S	*P.promelas 7-day*	○	0	0						7	8.1	208	264	781	< 0.1	1.1								
1429.00000	**Waller Creek at 2nd Street in Austin**																			**1429.TMP1**	**1429TMP1**			***TNRCC***	***TX***
04-Sep-91	W	*C.dubia 7-day*	○	0	0	●	7.1	14.7			7	7.4	126	172	495	< 0.1	0.7							< 0.1	
	W	*P.promelas 7-day*	○	15	0						7	7.4	126	172	495	< 0.1	0.7							< 0.1	
1429.00000	**Waller Creek at 19th Street in Austin**																			**1429.TMP2**	**1429TMP2**			***TNRCC***	***TX***
04-Sep-91	W	*C.dubia 7-day*	○	0	0	○	15.1	14.7			7	7.8	126	197	513	< 0.1	0.9								
	W	*P.promelas 7-day*	○	5	0						7	7.8	126	197	513	< 0.1	0.9								
1429.00000	**Waller Creek at 38th Street in Austin**																			**1429.TMP3**	**1429TMP3**			***TNRCC***	***TX***

Sample Types

W=Water
S=Sediment

● Significant Difference
○ No Significant Difference

Primary Endpoints

Crustaceans - mortality. Algae - decrease or increase in cell numbers.
Fish - mortality, teratogenicity, or abnormal swimming behaviour.

Secondary Endpoints

Average number of young per female - applicable only to *Ceriodaphnia dubia.*
Weight - applicable only to fish larval survival and growth test.

Station	Waterbody Description																											
																		Old Number	Station ID	Latitude	Longitude	County						
Date Collected	Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)										
Continued . . .	**Waller Creek at 38th Street in Austin**																											
04-Sep-91	W	*C.dubia 7-day*	○	0	0	○	12.4	14.7			7	7.7	145	221	493	< 0.1	0.9											
	W	*P.promelas 7-day*	○	15	0						7	7.7	145	221	493	< 0.1	0.9											
1429.08000	**Town Lake at Longhorn Dam**												**1429.0800**		**12476**	**30°15'00"**	**97°42'48"**					***TNRCC***		***TX***				
04-Feb-91	W	*C.dubia 7-day*	○	0	0	○	15.9	15.0			7	7.6	143	178	502	< 0.1	0.4											
	W	*P.promelas 7-day*	○	7	10						7	7.6	143	178	502	< 0.1	0.4											
05-Nov-91	W	*C.dubia 7-day*	○	0	0	○	14.1	12.0			7	8.2	164	238	614	< 0.1	0.4											
	W	*P.promelas 7-day*	○	0	3						7	8.2	164	238	614	< 0.1	0.4											
04-May-92	W	*C.dubia 7-day*	◉	40	0	◉	2.8	17.6			7	8.1	150	196	437	< 0.1	0.5											
	W	*P.promelas 7-day*	○	0	3						7	8.1	150	196	437	< 0.1	0.5											
25-Aug-92	W	*C.dubia 7-day*	○	0	0	◉	11.3	14.3			7	7.6	164	215	425	< 0.1	0.5											
	W	*P.promelas 7-day*	○	13	3						7	7.6	164	215	425	< 0.1	0.5											
29-Jun-94	W	*C.dubia 7-day*	○	0	0	○	20.0	17.4			7	8.3	172	265	539	< 0.1	0.1											
	W	*P.promelas 7-day*	○	3	3						7	8.3	172	265	539	< 0.1	0.1											
	S	*C.dubia 7-day*	○	0	0	○	20.0	17.7			7	7.0	334	368	693	< 0.1	9.6											
	S	*P.promelas 7-day*	○	10	10						7	7.0	334	368	693	< 0.1	9.6											
01-Aug-95	W	*C.dubia 7-day*	○	0	0	○	18.9	16.4			7	8.0	350	125	535	< 0.2	0.1											
	W	*P.promelas 7-day*	○	7	0						7	8.0	350	125	535	< 0.2	0.1											
	S	*C.dubia 7-day*	○	0	0	○	19.0	16.4			7	8.4	260	20	511	< 0.2	0.8											
	S	*P.promelas 7-day*	○	0	0						7	8.4	260	20	511	< 0.2	0.8											
10-Jul-96	W	*C.dubia 7-day*	○	0	0	○	18.6	17.6			7	8.1	168	190	479	< 0.2	0.1											
	W	*P.promelas 7-day*	○	0	3						7	8.1	168	190	479	< 0.2	0.1											
	S	*C.dubia 7-day*	○	0	0	○	20.8	17.6			7	7.3	194	229	615	< 0.2	2.6											
	S	*P.promelas 7-day*	○	10	3						7	7.3	194	229	615	< 0.2	2.6											
1803.00950	**Guadalupe River 0.5 Mile below SH 175 South of Victoria**												**1803.0095**		**12580**	**28°30'18"**	**96°53'13"**					***TNRCC***		***TX***				
20-Jun-89	W	*P.promelas 7-day*	○	13	7						8	8.0	146	148	313	< 0.1	0.7											
	W	*D.pulex*	○	10	7						2	8.0	146	148	313	< 0.1	0.7											
1803.01000	**Guadalupe River at SH 175 South of Victoria**												**1803.0100**		**12581**	**28°45'10"**	**97°00'30"**					***TNRCC***		***TX***				
20-Jun-89	W	*P.promelas 7-day*	○	17	7						8	8.0	150	148	342	< 0.1	0.8											
	W	*D.pulex*	○	3	7						2	8.0	150	148	342	< 0.1	0.8											
1803.01020	**Guadalupe River 0.5 Mile above SH 175 Bridge South of Victoria**												**1803.0102**		**12582**	**28°45'11"**	**97°00'29"**					***TNRCC***		***TX***				
20-Jun-89	W	*P.promelas 7-day*	○	3	7						8	8.0	143	148	328	< 0.1	< 0.1											
	W	*D.pulex*	○	3	7						2	8.0	143	148	328	< 0.1	< 0.1											
1804.03250	**Lake McQueeney in Mall Pool South of Treasure Island 1.2 Km Upstream of Dam**														**15273**							***TNRCC***		***TX***				
20-Aug-97	W	*C.dubia 7-day*	○	0	0	○	19.7	15.8			7	8.3	208	224	434	< 0.1	0.4											
	W	*P.promelas 7-day*	○	0	0						7	8.3	208	224	434	< 0.1	0.4											
	S	*C.dubia 7-day*	○	0	0	○	18.8	18.5			7	7.5	230	231	513	< 0.1	10.8											

Sample Types

W=Water
S=Sediment

◉ Significant Difference
○ No Significant Difference

Primary Endpoints

Crustaceans - mortality. Algae - decrease or increase in cell numbers.
Fish - mortality, teratogenicity, or abnormal swimming behaviour.

Secondary Endpoints

Average number of young per female - applicable only to *Ceriodaphnia dubia.*
Weight - applicable only to fish larval survival and growth test.

Station	Waterbody Description																												
																		Old Number		Station ID		Latitude		Longitude		County			
Date Collected	Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)											
Continued . . .	**Lake McQueeney in Mall Pool South of Treasure Island 1.2 Km Upstream of Dam**																												
20-Aug-97	S	*P.promelas 7-day*	○	0	0						7	7.5	230	231	513	<	0.1	10.8											
1903.00500	**Medina River at FM1937 near Lasoya**												**1903.0050**		**12811**		**29°13'45"**		**98°27'30"**		***TNRCC***		***TX***						
21-Nov-94	W	*C.dubia 7-day*	○	0	0	○	17.1	16.9			7	7.8	219	358	984		0.1	0.7											
	W	*P.promelas 7-day*	○	0	7						7	7.8	219	358	984		0.1	0.7											
31-Jan-95	W	*C.dubia 7-day*	○	0	0	○	19.6	18.5			7	8.6	238	353	978	<	0.1	3.0											
	W	*P.promelas 7-day*	○	3	0						7	8.6	238	353	978	<	0.1	3.0											
	S	*C.dubia 7-day*	○	0	0	○	20.2	18.5			7	7.3	249	304	739	<	0.1	9.6											
	S	*P.promelas 7-day*	○	0	0						7	7.3	249	304	739	<	0.1	9.6											
14-Aug-95	W	*C.dubia 7-day*	○	0	0	○	18.5	16.3			7	8.2	192	186	642	<	0.2	0.4											
	W	*P.promelas 7-day*	○	10	7						7	8.2	192	186	642	<	0.2	0.4											
	S	*C.dubia 7-day*	○	0	0	○	19.9	16.3			7	8.3	184	194	593	<	0.2	0.6											
	S	*P.promelas 7-day*	○	10	7						7	8.3	184	194	593	<	0.2	0.6											
03-Oct-95	W	*C.dubia 7-day*	○	10	0	○	18.3	19.0			7	8.1	214	304	886	<	0.2	0.2											
	W	*P.promelas 7-day*	○	10	3						7	8.1	214	304	886	<	0.2	0.2											
22-Feb-96	W	*C.dubia 7-day*	○	0	0	○	19.0	17.9			7	8.2	202	317	1064	<	0.2	1.1											
	W	*P.promelas 7-day*	○	0	3						7	8.2	202	317	1064	<	0.2	1.1											
07-May-96	W	*C.dubia 7-day*	◉	40	0	◉	11.2	16.1			7	8.1	208	316	833	<	0.2	0.6											
	W	*P.promelas 7-day*	○	3	3						7	8.1	208	316	833	<	0.2	0.6											
	S	*P.promelas 7-day*	○	47	3						7	7.5	338	260	711	<	0.2	22.8											
16-Jul-96	W	*C.dubia 7-day*	○	0	0	○	17.7	18.2			7	8.9	228	303	971	<	0.2	0.1											
	W	*P.promelas 7-day*	○	3	7						7	8.9	228	303	971	<	0.2	0.1											
	S	*C.dubia 7-day*	○	0	0	○	20.6	18.2			7	9.4	278	208	614	<	0.2	2.0											
	S	*P.promelas 7-day*	○	7	7						7	9.4	278	208	614	<	0.2	2.0											
30-May-00	W	*C.dubia 7-day*	○	0	0	○	19.9	18.4			7	8.2	210	279	687	<	0.1	3.0											
	W	*P.promelas 7-day*	○	7	3						7	8.2	210	279	687	<	0.1	3.0											
09-Aug-00	W	*C.dubia 7-day*	○	0	0	○	18.2	16.9			7	8.4	220	278	619	<	0.1	0.7											
	W	*P.promelas 7-day*	○	3	3						7	8.4	220	278	619	<	0.1	0.7											
16-Feb-01	W	*C.dubia 7-day*	○	0	0	○	19.0	15.7			7	8.0	226	310	643	<	0.1	1.9											
	W	*P.promelas 7-day*	○	0	3						7	8.0	226	310	643	<	0.1	1.9											
	S	*C.dubia 7-day*	○	0	0	○	15.2	15.7			7	8.2	164	162	405	<	0.1	2.2											
	S	*P.promelas 7-day*	○	7	3						7	8.2	164	162	405	<	0.1	2.2											
29-May-01	W	*C.dubia 7-day*	○	0	0	◉	16.0	18.5			7	8.1	206	280	670	<	0.1	1.3											
	W	*P.promelas 7-day*	○	7	0						7	8.1	206	280	670	<	0.1	1.3											
	S	*C.dubia 7-day*	○	0	0	○	18.7	18.4			7	7.6	146	164	404	<	0.1	1.1											
	S	*P.promelas 7-day*	○	0	0						7	7.6	146	164	404	<	0.1	1.1											
28-Aug-01	W	*C.dubia 7-day*	○	0	0	○	19.7	16.9			7	8.1	182	264	835	<	0.1	0.3											
	W	*P.promelas 7-day*	○	0	0						7	8.1	182	264	835	<	0.1	0.3											
	S	*C.dubia 7-day*	○	0	0	○	18.3	16.9			7	7.7	140	172	517		0.1	1.5											

Sample Types

W=Water
S=Sediment

◉ Significant Difference
○ No Significant Difference

Primary Endpoints

Crustaceans - mortality. Algae - decrease or increase in cell numbers.
Fish - mortality, teratogenicity, or abnormal swimming behaviour.

Secondary Endpoints

Average number of young per female - applicable only to *Ceriodaphnia dubia.*
Weight - applicable only to fish larval survival and growth test.

Station	Waterbody Description																											
																				Old Number	Station ID	Latitude	Longitude	County				
Date Collected	Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)										
Continued . . .	**Medina River at FM1937 near Lasoya**																											
28-Aug-01	S	*P.promelas 7-day*	○	7	0						7	7.7	140	172	517		0.1	1.5										
26-Nov-01	W	*C.dubia 7-day*	○	0	0	○	19.7	16.9			7	8.2	152	174	535		0.1	2.2										
	W	*P.promelas 7-day*	○	0	3						7	8.2	152	174	535		0.1	2.2										
	S	*C.dubia 7-day*	◉	100	0	○	2.0	16.9			4	7.8	298	180	420		0.2	0.5										
	S	*P.promelas 7-day*	○	7	3						7	7.8	298	180	420		0.2	0.5										
20-Feb-02	W	*C.dubia 4-day*	○	5	0						4	8.0	214	176	860	<	0.1	0.8										
	W	*P.promelas 4-day*	○	5	0						4	8.0	214	176	860	<	0.1	0.8										
	S	*C.dubia 4-day*	○	0	0						4	8.2	182	188	489	<	0.1	1.4										
	S	*P.promelas 4-day*	○	0	0						4	8.2	182	188	489	<	0.1	1.4										
20-Aug-02	W	*C.dubia 4-day*	○	5	0						4	8.1	206	304	702		0.3	0.4										
	W	*P.promelas 4-day*	○	0	0						4	8.1	206	304	702		0.3	0.4										
	S	*C.dubia 4-day*	○	0	0						4	7.5	198	221	554	<	0.1	0.3										
	S	*P.promelas 4-day*	○	2.5	0						4	7.5	198	221	554	<	0.1	0.3										
10-Feb-03	W	*C.dubia 4-day*	○	5	0						4	7.9	243	354	799		0.2	1.4										
	W	*P.promelas 4-day*	○	0	0						4	7.9	243	354	799		0.2	1.4										
	S	*C.dubia 4-day*	○	0	0						4	8.3	230	264	612		0.3	1.8										
	S	*P.promelas 4-day*	○	7.5	2.5						4	8.3	230	264	612		0.3	1.8										
1906.02300	**Leon Creek at Ruiz Ranch Low Water Crossing, 1.88Km Downstream of Loop 13 South of San Antonio**												**1906.0230**		**12841**	**29°21'20"**		**98°34'38"**		***TNRCC***		***TX***						
06-Jun-89	W	*C.dubia 7-day*	○	0	0	○	21.6	20.7			7	7.8	296	212	1002	<	0.1	1.2										
	W	*P.promelas 7-day*	○	0	5						7	7.8	296	212	1002	<	0.1	1.2										
11-Jun-89	S	*D.pulex*	○	0	5						2	8.6			462			3.6										
11-Dec-91	W	*C.dubia 7-day*	◉	50	0	◉	10.2	19.0			7	8.1	235	245	755	<	0.1	4.8				0.3						
	W	*P.promelas 7-day*	◉	27	3						7	8.1	235	245	755	<	0.1	4.8				0.3						
24-Feb-92	W	*C.dubia 7-day*	○	0	0	◉	13.5	15.9			7	7.8	189	277	475	<	0.1	2.2										
	W	*P.promelas 7-day*	○	15	7						7	7.8	189	277	475	<	0.1	2.2										
12-May-92	W	*C.dubia 7-day*	○	0	10	◉	12.4	19.1			7	7.8	256	335	710	<	0.1	0.3										
	W	*P.promelas 7-day*	○	7	3						7	7.8	256	335	710	<	0.1	0.3										
07-Jul-92	W	*C.dubia 7-day*	○	10	10	○	14.1	13.1			7	7.8	262	306	597	<	0.1	0.4										
	W	*P.promelas 7-day*	○	7	7						7	7.8	262	306	597	<	0.1	0.4										
01-Dec-92	W	*C.dubia 7-day*	○	0	10	○	17.1	17.4			7	7.6	245	335	590	<	0.1	0.4										
	W	*P.promelas 7-day*	○	3	7						7	7.6	245	335	590	<	0.1	0.4										
	S	*C.dubia 7-day*	○	0	0	○	21.6	18.7			7	7.7	150	240	453	<	0.1	1.5										
	S	*P.promelas 7-day*	○	3	3						7	7.7	150	240	453	<	0.1	1.5										
17-May-93	W	*C.dubia 7-day*	○	0	0	○	21.6	18.7			7	7.0	237	282	751	<	0.1	0.2										
	W	*P.promelas 7-day*	○	7	3						7	7.0	237	282	751	<	0.1	0.2										
	S	*C.dubia 7-day*	○	0	0	○	21.5	20.3			7	6.7	173	171	505	<	0.1	1.3										
	S	*P.promelas 7-day*	○	7	0						7	6.7	173	171	505	<	0.1	1.3										
12-Jul-93	W	*C.dubia 7-day*	○	0	0	○	21.5	19.1			7	7.5	230	250	796	<	0.1	1.2										

Sample Types

W=Water
S=Sediment

◉ Significant Difference
○ No Significant Difference

Primary Endpoints

Crustaceans - mortality. Algae - decrease or increase in cell numbers.
Fish - mortality, teratogenicity, or abnormal swimming behaviour.

Secondary Endpoints

Average number of young per female - applicable only to *Ceriodaphnia dubia.*
Weight - applicable only to fish larval survival and growth test.

Station	Waterbody Description																			Old Number	Station ID	Latitude	Longitude	County
Date Collected	Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)						
Continued . . .	**Leon Creek at Ruiz Ranch Low Water Crossing, 1.88Km Downstream of Loop 13 South of San Antonio**																							
12-Jul-93	W	*P.promelas 7-day*	○	3	7						7	7.5	230	250	796	< 0.1	1.2							
	S	*C.dubia 7-day*	○	0	10	○	21.9	18.4			7	7.4	158	158	490	< 0.1	1.2							
	S	*P.promelas 7-day*	○	0	3						7	7.4	158	158	490	< 0.1	1.2							
10-May-94	W	*C.dubia 7-day*	○	0	0	○	20.7	20.9			7	6.9	221	277	629	< 0.1	0.4							
	W	*P.promelas 7-day*	○	0	3						7	6.9	221	277	629	< 0.1	0.4							
	S	*C.dubia 7-day*	○	0	0	○	19.2	18.4			7	7.7	212	211	697	< 0.1	1.6							
	S	*P.promelas 7-day*	○	7	7						7	7.7	212	211	697	< 0.1	1.6							
08-Aug-94	W	*C.dubia 7-day*	○	0	0	○	22.5	17.7			7	7.2	237	274	1015	< 0.1	0.2							
	W	*P.promelas 7-day*	○	7	7						7	7.2	237	274	1015	< 0.1	0.2							
	S	*C.dubia 7-day*	○	0	0	○	23.5	21.4			7	7.0	187	191	485	< 0.1	0.8							
	S	*P.promelas 7-day*	○	17	7						7	7.0	187	191	485	< 0.1	0.8							
21-Nov-94	W	*C.dubia 7-day*	○	0	0	○	17.6	16.9			7	7.4	118	328	830	< 0.2	0.1							
	W	*P.promelas 7-day*	○	0	7						7	7.4	118	328	830	< 0.2	0.1							
30-Jan-95	W	*C.dubia 7-day*	○	0	0	○	19.3	18.5			7	8.0	213	274	811	< 0.1	0.5							
	W	*P.promelas 7-day*	○	0	0						7	8.0	213	274	811	< 0.1	0.5							
	S	*C.dubia 7-day*	○	0	0	○	19.9	18.5			7	7.5	236	270	670	0.1	1.7							
	S	*P.promelas 7-day*	○	3	0						7	7.5	236	270	670	0.1	1.7							
14-Aug-95	W	*C.dubia 7-day*	○	0	0	○	18.3	16.3			7	8.1	178	163	631	< 0.2	1.4							
	W	*P.promelas 7-day*	○	0	7						7	8.1	178	163	631	< 0.2	1.4							
	S	*C.dubia 7-day*	○	0	0	○	20.0	16.3			7	8.3	198	177	585	< 0.2	1.9							
	S	*P.promelas 7-day*	○	10	7						7	8.3	198	177	585	< 0.2	1.9							
03-Oct-95	W	*C.dubia 7-day*	○	10	0	○					7	7.9	158	178	560	< 0.1	0.1							
	W	*P.promelas 7-day*	○	3	3						7	7.9	158	178	560	< 0.1	0.1							
22-Feb-96	W	*C.dubia 7-day*	○	0	0	○	20.2	17.9			7	7.8	182	239	871	< 0.2	0.2							
	W	*P.promelas 7-day*	○	7	3						7	7.8	182	239	871	< 0.2	0.2							
30-Apr-96	W	*C.dubia 7-day*	○	0	0	○	20.4	16.1			7	7.7	158	226	620	< 0.2	0.5							
	W	*P.promelas 7-day*	○	0	3						7	7.7	158	226	620	< 0.2	0.5							
	S	*C.dubia 7-day*	○	20	0	○	15.4	16.1			7	7.4	254	108	565	< 0.2	8.4							
	S	*P.promelas 7-day*	○	10	3						7	7.4	254	108	565	< 0.2	8.4							
15-Jul-96	W	*C.dubia 7-day*	○	0	0	○	18.3	17.6			7	8.2	170	127	690	< 0.2	0.2							
	W	*P.promelas 7-day*	○	0	3						7	8.2	170	127	690	< 0.2	0.2							
	S	*C.dubia 7-day*	○	0	0	○	19.2	18.2			7	9.9	176	169	592	< 0.2	0.4							
	S	*P.promelas 7-day*	○	0	3						7	9.9	176	169	592	< 0.2	0.4							
03-Sep-96	W	*C.dubia 7-day*	○	20	0	○	16.2	16.3			7	7.7	138	273	523	< 0.2	2.5							
	W	*P.promelas 7-day*	○	0	0						7	7.7	138	273	523	< 0.2	2.5							
18-Aug-97	W	*C.dubia 7-day*	○	0	0	○	19.1	15.8			7	8.2	250	280	754	< 0.1	0.5							
	W	*P.promelas 7-day*	○	3	3						7	8.2	250	280	754	< 0.1	0.5							
	S	*C.dubia 7-day*	○	0	0	○	22.2	18.5			7	7.5	294	250	622	< 0.1	14.4							

Sample Types

W=Water
S=Sediment

◉ Significant Difference
○ No Significant Difference

Primary Endpoints

Crustaceans - mortality. Algae - decrease or increase in cell numbers.
Fish - mortality, teratogenicity, or abnormal swimming behaviour.

Secondary Endpoints

Average number of young per female - applicable only to *Ceriodaphnia dubia.*
Weight - applicable only to fish larval survival and growth test.

Station	Waterbody Description																												
														Old Number		Station ID		Latitude		Longitude		County							
Date Collected	Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)											
Continued . . .	**Leon Creek at Ruiz Ranch Low Water Crossing, 1.88Km Downstream of Loop 13 South of San Antonio**																												
18-Aug-97	S	*P.promelas 7-day*	○	3	0						7	7.5	294	250	622	<	0.1		14.4										
1906.02400	**Leon Creek Approximately 25 Yards Below Kelly AFB Outfall 001**												**1906.0240**		**12842**		**29°21'40"**		**98°34'59"**			***TNRCC***		***TX***					
06-Jun-89	W	*C.dubia 7-day*	◉	40	0	◉	13.2	20.7			7	7.9	191	284	1047	<	0.1		3.4										
	W	*P.promelas 7-day*	○	15	5						7	7.9	191	284	1047	<	0.1		3.4										
11-Jun-89	S	*D.pulex*	○	0	5						2	8.7			496				3.6										
1906.02450	**Leon Creek at Low Water Crossing Immediately Upstream of Kelly AFB Outfall 001**												**1906.0245**		**12843**		**29°21'42"**		**98°34'58"**			***TNRCC***		***TX***					
06-Jun-89	W	*C.dubia 7-day*	○	0	0	○	21.2	20.7			7	8.1	212	264	615	<	0.1		0.7										
	W	*P.promelas 7-day*	○	10	5						7	8.1	212	264	615	<	0.1		0.7										
11-Jun-89	S	*D.pulex*	○	0	5						2	8.2			425				2.4										
1906	**Leon Creek at IH 35S**														**12838**		**29°19'48"**		**98°35'02"**			***TNRCC***		***TX***					
14-Oct-97	W	*C.dubia 7-day*	○	0	0	○	17.5	15.7			7	7.8	122	124	332	<	0.1		0.2										
	W	*P.promelas 7-day*	○	3	0						7	7.8	122	124	332	<	0.1		0.2										
	S	*C.dubia 7-day*	○	0	0	○	14.9	15.7			7	7.9	218	256	724	<	0.1		1.8										
	S	*P.promelas 7-day*	○	0	0						7	7.9	218	256	724	<	0.1		1.8										
1911.03000	**San Antonio River at FM 1604 West of Elmendorf**												**1911.0300**		**12886**		**29°14'15"**		**98°21'43"**			***TNRCC***		***TX***					
28-Feb-90	W	*C.dubia 7-day*	○	0	10	○	15.8	14.1			7	8.1	224	240	843	<	0.1	<	0.1										
	W	*P.promelas 7-day*	○	7	0						7	8.1	224	240	843	<	0.1	<	0.1										
05-Jun-90	W	*C.dubia 7-day*	○	0	10	○	15.5	14.2			7	8.3	221	286	873		0.1		0.7										
	W	*P.promelas 7-day*	○	0	7						7	8.3	221	286	873		0.1		0.7										
31-Jul-90	W	*C.dubia 7-day*	○	0	0	○	20.1	19.5			7	8.2	207	313	901		0.1		0.3										
	W	*P.promelas 7-day*	○	7	3						7	8.2	207	313	901		0.1		0.3										
29-Aug-90	W	*C.dubia 7-day*	○	0	0	○	18.2	14.4			7	8.1	194	296	592	<	0.1	<	0.1										
13-Nov-90	W	*C.dubia 7-day*	○	0	0	○	18.5	17.1			7	7.8	166	264	552		0.2		0.5										
19-Feb-91	W	*C.dubia 7-day*	○	0	0	○	19.6	17.2			7	8.1	225	313	637	<	0.1		0.5										
20-May-91	W	*C.dubia 7-day*	○	0	0	○	16.4	15.2			7	8.2	214	284	844	<	0.1		0.2										
	W	*P.promelas 7-day*	○	0	7						7	8.2	214	284	844	<	0.1		0.2										
01-Dec-92	W	*C.dubia 7-day*	○	0	10	○	18.4	17.4			7	8.0	201	302	719	<	0.1		0.6										
	W	*P.promelas 7-day*	○	7	7						7	8.0	201	302	719	<	0.1		0.6										
	S	*C.dubia 7-day*	○	0	0	○	20.5	18.7			7	7.8	158	169	435	<	0.1		0.2										
	S	*P.promelas 7-day*	○	0	3						7	7.8	158	169	435	<	0.1		0.2										
12-Jul-93	W	*C.dubia 7-day*	○	0	0	○	19.3	19.1			7	8.2	213	290	883	<	0.1		0.4										
	W	*P.promelas 7-day*	○	0	7						7	8.2	213	290	883	<	0.1		0.4										
	S	*C.dubia 7-day*	○	10	10	○	16.6	18.4			7	7.3	173	178	528	<	0.1		1.2										
	S	*P.promelas 7-day*	○	10	3						7	7.3	173	178	528	<	0.1		1.2										
03-Oct-95	W	*C.dubia 7-day*	◉	60	0	◉	9.0	19.0			7	8.2	204	230	558	<	0.2		0.1										
	W	*P.promelas 7-day*	○	3	3						7	8.2	204	230	558	<	0.2		0.1										

Sample Types

W=Water
S=Sediment

◉ Significant Difference
○ No Significant Difference

Primary Endpoints

Crustaceans - mortality. Algae - decrease or increase in cell numbers.
Fish - mortality, teratogenicity, or abnormal swimming behaviour.

Secondary Endpoints

Average number of young per female - applicable only to *Ceriodaphnia dubia.*
Weight - applicable only to fish larval survival and growth test.

Station	Waterbody Description																						
														Old Number	Station ID	Latitude	Longitude		County				
Date Collected	Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)					
Continued . . .	**San Antonio River at FM 1604 West of Elmendorf**																						
22-Feb-96	W	*C.dubia 7-day*	○	0	0	○	18.9	17.9			7	8.0	145	217	617	< 0.2	0.1						
	W	*P.promelas 7-day*	○	7	3						7	8.0	145	217	617	< 0.2	0.1						
1911.03520	**San Antonio River Above Confluence With Medina River**												**1911.0352**		**12890**	**29°14'05"**	**98°24'30"**		***TNRCC***		***TX***		
31-Jul-90	W	*C.dubia 7-day*	○	10	0	○	18.8	19.5			7	8.2	197	280	857	0.1	0.4						
	W	*P.promelas 7-day*	○	3	3						7	8.2	197	280	857	0.1	0.4						
1911.03590	**San Antonio River Just Below Otillo Dam**												**1911.0359**		**12892**	**29°16'09"**	**98°25'40"**		***TNRCC***		***TX***		
31-Jul-90	W	*C.dubia 7-day*	○	10	0	○	17.8	19.5			7	8.2	203	276	812	0.1	0.4						
	W	*P.promelas 7-day*	○	7	3						7	8.2	203	276	812	0.1	0.4						
1911.03900	**San Antonio River at River Bend Park, Near Southern Road**												**1911.0390**		**12896**	**29°17'15"**	**98°30'45"**		***TNRCC***		***TX***		
31-Jul-90	W	*C.dubia 7-day*	○	0	0	○	19.4	19.5			7	8.1	176	256	712	0.1	0.4						
	W	*P.promelas 7-day*	○	3	3						7	8.1	176	256	712	0.1	0.4						
1911.04000	**San Antonio River at IH 410, Low Water Crossing Camino Coahuilatechan, 0.25 KM Below the Bridge in San Antonio**												**1911.0400**		**12897**	**29°19'12"**	**98°27'00"**		***TNRCC***		***TX***		
30-Apr-96	w	*C.dubia 7-day*	○	10	0	○	15.5	16.1			7	7.9	136	177	447	< 0.2	0.4						
	w	*P.promelas 7-day*	○	10	3						7	7.9	136	177	447	< 0.2	0.4						
15-Jul-96	W	*C.dubia 7-day*	○	0	0	○	20.2	18.2			7	9.1	138	177	509	< 0.2	0.2						
	W	*P.promelas 7-day*	○	3	3						7	9.1	138	177	509	< 0.2	0.2						
	S	*C.dubia 7-day*	○	0	0	○	18.5	18.2			7	8.8	280	255	671	< 0.2	6.0						
	S	*P.promelas 7-day*	○	0	7						7	8.8	280	255	671	< 0.2	6.0						
2101.01000	**Nueces River Tidal North of Viola Turning Basin**												**2101.0100**		**12960**	**27°50'48"**	**97°31'15"**		***TNRCC***		***TX***		
30-Aug-95	S	*C.variegatus 9-day*	○	7	7						9	7.8	174		31300	< 0.2	8.4						
2201.00940	**Arroyo Colorado Tidal near Marker 16 at Arroyo City, Km 10.9**														**13782**	**26°20'24"**	**97°25'54"**		***TNRCC***		***TX***		
29-Sep-93	W	*C.variegatus 9-day*	○	17	10						9	8.3	182	684	23600	0.1	0.8						
	S	*C.variegatus 9-day*	◉	70	10						9	7.7	182	354	4680	< 0.1	8.4						
26-Oct-93	S	*C.variegatus 9-day*	◉	60	7						9	7.9	215		26800	< 0.1	16.8						
23-Feb-94	S	*C.variegatus 9-day*	○	13	3						9	7.6	154		24300	< 0.1	16.8						
09-Mar-94	W	*C.variegatus 9-day*	○	3	3						9	7.9	188		17590	0.2	0.5						
30-Aug-94	W	*C.variegatus 9-day*	○	3	0						9	8.3	206		22800	0.1	7.2						
	S	*C.variegatus 9-day*	○	3	0						9	7.6	116		28100	0.1	12.0						
28-Nov-94	W	*C.variegatus 9-day*	○	0	3						9	8.2	167		29000	< 0.1	8.4						
19-Jun-95	W	*C.variegatus 9-day*	○	3	10						9	8.6	152		15190	< 0.2	1.4						
19-Oct-95	W	*C.variegatus 9-day*	○	0	7						9	8.1	188		23700	< 0.2	0.8						
	S	*C.variegatus 9-day*	○	3	7						9	8.0	310		30200	< 0.2	22.8						
03-Apr-96	W	*C.variegatus 9-day*	○	7	0						9	7.9	208		21800	< 0.2	0.7						
21-May-96	W	*C.variegatus 9-day*	○	7	0						9	8.6	190		17140	< 0.2	0.1						
17-Jul-96	W	*C.variegatus 9-day*	○	10	0						9	9.1	162		27700	< 0.2	3.6						
	S	*C.variegatus 9-day*	○	3	0						9	9.7	206		27900	< 0.2	12.0						

Sample Types

W=Water
S=Sediment

◉ Significant Difference
○ No Significant Difference

Primary Endpoints

Crustaceans - mortality. Algae - decrease or increase in cell numbers.
Fish - mortality, teratogenicity, or abnormal swimming behaviour.

Secondary Endpoints

Average number of young per female - applicable only to *Ceriodaphnia dubia.*
Weight - applicable only to fish larval survival and growth test.

Station	Waterbody Description																											
																		Old Number	Station ID	Latitude	Longitude	County						
Date Collected	Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)										
Continued . . .	**Arroyo Colorado Tidal near Marker 16 at Arroyo City, Km 10.9**																											
15-Jul-97	W	*C.variegatus 9-day*	○	3	0						9	8.4	162		18230	<	0.1	0.7										
	W	*C.variegatus 9-day*	○	0	10						9	8.4	162		18230	<	0.1	0.7										
2201.01000	**Arroyo Colorado Tidal at Mile 10 (Marker 22)**												**2201.0100**		**13071**	**26°19'12"**		**97°28'12"**					***TNRCC***		***TX***			
13-Feb-96	W	*C.variegatus 9-day*	○	0	3						9	8.0	210		20700	<	0.2	10.0										
03-Apr-96	W	*C.variegatus 9-day*	○	0	0						9	7.9	170		15300	<	0.2	0.2										
21-May-96	W	*C.variegatus 9-day*	○	3	0						9	8.6	202		14030	<	0.2	0.5										
17-Jul-96	W	*C.variegatus 9-day*	○	7	0						9	9.3	192		22800	<	0.2	0.1										
	S	*C.variegatus 9-day*	○	7	0						9	9.3	154		27400	<	0.2	1.7										
15-Jul-97	W	*C.variegatus 9-day*	○	0	10						9	8.6	198		12680	<	0.1	0.6										
2202.02000	**Arroyo Colorado at Low Water Bridge at Port Harlingen**												**2202.0200**		**13074**	**26°11'44"**		**97°36'05"**					***TNRCC***		***TX***			
22-Feb-94	W	*C.dubia 7-day*	○	0	0	◉	9.5	19.3			7	7.1	169	929	4240	<	0.1	2.2										
	W	*P.promelas 7-day*	○	10	7						7	7.1	169	929	4240	<	0.1	2.2										
	S	*C.dubia 7-day*	○	10	0	○	22.4	19.5			7	7.2	287	313	1618	<	0.1	22.8										
	S	*P.promelas 7-day*	○	10	7						7	7.2	287	313	1618	<	0.1	22.8										
2202.06000	**Arroyo Colorado Main Floodway in Llano Grande at FM 1015 South of Weslaco**												**2202.0600**		**13081**	**26°07'10"**		**97°57'39"**					***TNRCC***		***TX***			
13-Feb-90	W	*C.dubia 7-day*	◉	100	0	○					2	7.7	222	886	3730	<	0.1	1.0										
	W	*P.promelas 7-day*	○	3	3						7	7.7	222	886	3730	<	0.1	1.0										
30-May-90	W	*C.dubia 7-day*	○	10	20	○	17.6	16.2			7	8.1	232	500	3420	<	0.1	1.0										
	W	*P.promelas 7-day*	○	10	0						7	8.1	232	500	3420	<	0.1	1.0										
21-Jan-91	W	*C.dubia 7-day*	○	10	0	○	16.8	15.7			7	7.7	243	728	2550	<	0.1	0.4										
01-Apr-91	W	*C.dubia 7-day*	○	0	10	◉	6.7	17.8			7	8.2	249	1000	4460	<	0.1	0.7										
	W	*P.promelas 7-day*	○	10	7						7	8.2	249	1000	4460	<	0.1	0.7										
10-Jun-91	W	*C.dubia 7-day*	◉	80	0	◉	2.5	14.0			7	7.6	194	776	3470	<	0.1	1.3										
	W	*P.promelas 7-day*	○	7	3						7	7.6	194	776	3470	<	0.1	1.3										
01-Dec-93	W	*C.dubia 7-day*	○	20	10	◉	12.8	16.6			7	7.8	200	988	4230	<	0.1	0.7										
	W	*P.promelas 7-day*	○	3	3						7	7.8	200	988	4230	<	0.1	0.7										
	S	*C.dubia 7-day*	○	0	0	○	18.2	19.7			7	7.9	230	258	1101	<	0.1	13.2										
	S	*P.promelas 7-day*	○	7	3						7	7.9	230	258	1101	<	0.1	13.2										
11-Jun-02	W	*C.dubia 4-day*	○	0	5						4	8.4	223	912	4140		0.4	0.7										
	W	*P.promelas 4-day*	○	2.5	2.5						4	8.4	223	912	4140		0.4	0.7										
30-Jul-02	W	*C.dubia 4-day*	○	0	0						4	8.5	218	962	4600		0.4	0.5										
	W	*P.promelas 4-day*	○	2.5	0						4	8.5	218	962	4600		0.4	0.5										
2302.00000	**Arroyo Los Olmos 2.1 km Upstream from Mouth at US83 South of Rio Grande City**												**2300.0100**		**13103**	**26°21'42"**		**98°47'12"**					***TNRCC***		***TX***			
11-Jan-93	W	*C.dubia 7-day*	◉	100	0	○		20.1			1	7.8	175	694	4660	<	0.1	0.5										
	W	*P.promelas 7-day*	◉	100	7						5	7.8	175	694	4660	<	0.1	0.5										
	S	*C.dubia 7-day*	○	10	0	○	20.3	20.7			7	7.2	222	640	3560	<	0.1	9.0										

Sample Types

W=Water
S=Sediment

◉ Significant Difference
○ No Significant Difference

Primary Endpoints

Crustaceans - mortality. Algae - decrease or increase in cell numbers.
Fish - mortality, teratogenicity, or abnormal swimming behaviour.

Secondary Endpoints

Average number of young per female - applicable only to *Ceriodaphnia dubia.*
Weight - applicable only to fish larval survival and growth test.

Station	Waterbody Description																			Old Number	Station ID	Latitude	Longitude	County	
Date Collected	Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)							
Continued . . .	**Arroyo Los Olmos 2.1 km Upstream from Mouth at US83 South of Rio Grande City**																								
11-Jan-93	S	*P.promelas 7-day*	○	3	7						7	7.2	222	640	3560	< 0.1	9.0								
10-Jul-95	W	*C.dubia 7-day*	○	20	0	○	18.0	19.2			7	7.7	200	730	9440	< 0.2	0.6								
	W	*P.promelas 7-day*	○	10	3						7	7.7	200	730	9440	< 0.2	0.6								
10-Jul-98	S	*C.dubia 7-day*	○	10	0	○	19.4	20.9			7	7.9	364	172	2410	< 0.2	9.6								
	S	*P.promelas 7-day*	○	7	3						7	7.9	364	172	2410	< 0.2	9.6								
2302.00210	**Rio Grande 0.8 km Downstream from Anzalduas Dam, at River km 273.3**													**2302.0210**	**13664**	**26°08'00"**	**98°20'05"**			***TNRCC***				***TX***
12-Jan-93	W	*C.dubia 7-day*	○	0	0	○	19.3	20.1			7	7.8	116	273	815	< 0.1	0.4								
	W	*P.promelas 7-day*	○	0	7						7	7.8	116	273	815	< 0.1	0.4								
	S	*C.dubia 7-day*	○	0	0	○	18.5	20.7			7	7.3	160	186	548	< 0.1	1.7								
	S	*P.promelas 7-day*	○	0	7						7	7.3	160	186	548	< 0.1	1.7								
10-Jul-98	W	*C.dubia 7-day*	○	10	0	○	20.2	19.2			7	7.8	102	282	1514	< 0.2	0.4								
	W	*P.promelas 7-day*	○	3	3						7	7.8	102	282	1514	< 0.2	0.4								
	S	*C.dubia 7-day*	○	0	0	○	21.5	20.9			7	7.5	242	233	808	< 0.2	0.6								
	S	*P.promelas 7-day*	○	0	3						7	7.5	242	233	808	< 0.2	0.6								
2302.00250	**Rio Grande 0.3 km Downstream from El Jardin Pumping Plant, 11.2 km Downstream from Brownsville/Matamoros Internationa Bridge (US277), at River km 78.3**													**2302.0025**	**13177**	**25°52'35"**	**97°27'15"**			***TNRCC***				***TX***
21-Oct-92	W	*C.dubia 7-day*	○	10	10	○	17.1	16.8			7	8.1	20	272	846	< 0.1	0.2								
	W	*P.promelas 7-day*	○	3	3						7	8.1	20	272	846	< 0.1	0.2								
14-Jan-93	W	*C.dubia 7-day*	○	0	0	○	19.1	20.1			7	7.8	182	492	1300	< 0.1	0.6								
	W	*P.promelas 7-day*	○	0	7						7	7.8	182	492	1300	< 0.1	0.6								
	S	*C.dubia 7-day*	○	0	0	○	19.1	20.7			7	7.6	154	194	515	< 0.1	2.2								
	S	*P.promelas 7-day*	○	0	7						7	7.6	154	194	515	< 0.1	2.2								
25-Jan-93	W	*C.dubia 7-day*	○	0	0	○	20.0	19.2			7	8.0	175	409	935	< 0.1	0.24								
	W	*P.promelas 7-day*	○	7	3						7	8.0	175	409	935	< 0.1	0.24								
20-Apr-93	S	*C.dubia 7-day*	○	0	0	○	22.4	19.1			7	7.3	182	186	676	< 0.1	0.4								
	S	*P.promelas 7-day*	○	7	10						7	7.3	182	186	676	< 0.1	0.4								
21-Jul-93	S	*C.dubia 7-day*	○	10	10	○	20.4	18.4			7	7.5	182	169	871	< 0.1	0.5								
	S	*P.promelas 7-day*	○	0	3						7	7.5	182	169	871	< 0.1	0.5								
21-Oct-93	W	*C.dubia 7-day*	○	0	0	○	21.4	17.3			7	7.6	160	358	1638	0.2	0.4								
	W	*P.promelas 7-day*	○	7	3						7	7.6	160	358	1638	0.2	0.4								
24-Feb-94	W	*C.dubia 7-day*	○	0	0	○	21.8	19.3			7	7.9	198	513	1890	0.2	0.4								
	W	*C.dubia 7-day*	○	0	0	○	20.3	19.3			7	7.1	169	929	4240	< 0.1	2.2								
	W	*P.promelas 7-day*	○	0	7						7	7.9	198	513	1890	0.2	0.4								
	W	*P.promelas 7-day*	○	0	7						7	7.1	169	929	4240	< 0.1	2.2								
	S	*C.dubia 7-day*	○	0	0	○	20.8	19.5			7	7.2	179	275	1237	< 0.1	1.4								
	S	*P.promelas 7-day*	○	3	7						7	7.2	179	275	1237	< 0.1	1.4								
12-Apr-94	W	*C.dubia 7-day*	○	0	0	○	20.8	18.9			7	7.4	146	475	2070	0.2	0.4								
	W	*P.promelas 7-day*	○	7	3						7	7.4	146	475	2070	0.2	0.4								

Sample Types

W=Water
S=Sediment

◉ Significant Difference
○ No Significant Difference

Primary Endpoints

Crustaceans - mortality. Algae - decrease or increase in cell numbers.
Fish - mortality, teratogenicity, or abnormal swimming behaviour.

Secondary Endpoints

Average number of young per female - applicable only to *Ceriodaphnia dubia.*
Weight - applicable only to fish larval survival and growth test.

Station	Waterbody Description																			Old Number	Station ID	Latitude	Longitude	County	
Date Collected	Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)							
Continued . . .	**Rio Grande 0.3 km Downstream from El Jardin Pumping Plant, 11.2 km Downstream from Brownsville/Matamoros International Bridge (US277), at River km 78.3**																								
12-Apr-94	S	*C.dubia 7-day*	○	0	0	○	20.4	16.3			7	7.4	170	129	844	<	0.1	0.7							
	S	*P.promelas 7-day*	○	0	3						7	7.4	170	129	844	<	0.1	0.7							
25-Jul-94	W	*C.dubia 7-day*	○	0	0	○	19.2	17.7			7	8.0	107	323	1220		0.2	0.2							
	W	*P.promelas 7-day*	○	0	10						7	8.0	107	323	1220		0.2	0.2							
	S	*C.dubia 7-day*	○	0	0	○	14.7	17.8			7	7.6	191	240	1006	<	0.1	0.5							
	S	*P.promelas 7-day*	○	0	3						7	7.6	191	240	1006	<	0.1	0.5							
18-Oct-94	W	*C.dubia 7-day*	○	0	0	○	17.1	18.9			7	8.0	125	421	1666	<	0.1	0.2							
	W	*P.promelas 7-day*	○	0	7						7	8.0	125	421	1666	<	0.1	0.2							
	S	*C.dubia 7-day*	○	0	0	○	20.6	18.9			7	7.9	146	372	867	<	0.1	0.4							
	S	*P.promelas 7-day*	○	3	7						7	7.9	146	372	867	<	0.1	0.4							
01-Feb-95	W	*C.dubia 7-day*	○	0	0	○	20.2	18.5			7	8.6	141	319	1297		0.1	0.2							
	W	*P.promelas 7-day*	○	0	0						7	8.6	141	319	1297		0.1	0.2							
	S	*C.dubia 7-day*	○	0	0	○	17.6	18.5			7	7.5	201	211	691		0.1	0.5							
	S	*P.promelas 7-day*	○	7	0						7	7.5	201	211	691		0.1	0.5							
27-Apr-95	W	*C.dubia 7-day*	○	0	0	○	19.7	17.9			7	8.3	124	308	1290		0.1	0.2							
	W	*P.promelas 7-day*	○	0	3						7	8.3	124	308	1290		0.1	0.2							
	S	*C.dubia 7-day*	○	0	0	○	19.6	17.9			7	7.8	210	204	787	<	0.1	0.1							
	S	*P.promelas 7-day*	○	3	3						7	7.8	210	204	787	<	0.1	0.1							
26-Oct-95	W	*C.dubia 7-day*	○	0	0	○	21.1	19.4			7	7.9	168	422	1661		0.1	0.2							
	W	*P.promelas 7-day*	○	0	7						7	7.9	168	422	1661		0.1	0.2							
10-Jul-98	W	*C.dubia 7-day*	○	10	0	○	22.4	19.2			7	8.0	106	299	1436	<	0.2	0.5							
	W	*P.promelas 7-day*	○	0	3						7	8.0	106	299	1436	<	0.2	0.5							
	S	*C.dubia 7-day*	○	0	0	○	19.5	20.9			7	7.7	204	207	801		0.3	1.4							
	S	*P.promelas 7-day*	○	7	3						7	7.7	204	207	801		0.3	1.4							
2302.01000	**Rio Grande at International Bridge on US 77 in Brownsville**												**2302.0100**		**13178**		**25°53'55"**		**97°29'51"**				***TNRCC***		***TX***
11-Dec-90	W	*C.dubia 7-day*	○	10	0	○	17.8	19.0			7	8.2	300	137	1133	<	0.1	1.2							
	W	*P.promelas 7-day*	○	0	3						7	8.2	300	137	1133	<	0.1	1.2							
18-Nov-91	W	*C.dubia 7-day*	○	0	0	○	12.3	10.3			7	8.3	216	427	1590	<	0.1	0.7							
	W	*P.promelas 7-day*	○	7	3						7	8.3	216	427	1590	<	0.1	0.7							
11-Mar-92	W	*C.dubia 7-day*	○	0	0	○	18.5	16.9			7	7.7	127	260	795	<	0.1	1.7							
	W	*P.promelas 7-day*	○	0	10						7	7.7	127	260	795	<	0.1	1.7							
02-Jun-92	W	*C.dubia 7-day*	○	20	0	○	14.8	15.3			7	8.1	118	249	1070	<	0.1	0.5							
	W	*P.promelas 7-day*	○	3	7						7	8.1	118	249	1070	<	0.1	0.5							
2302.01270	**Rio Grande 6.3 km Downstream from San Benito Pumping Plant and 15.3 km Southwest of San Benito, at River Km 155.8**												**2302.0127**		**10249**		**26°01'50"**		**97°43'40"**				***TNRCC***		***TX***
14-Jan-93	W	*C.dubia 7-day*	○	20	0	○	20.4	20.1			7	7.6	160	380	966	<	0.1	0.6							
	W	*P.promelas 7-day*	○	10	7						7	7.6	160	380	966	<	0.1	0.6							
	S	*C.dubia 7-day*	○	0	0	○	19.6	20.7			7	7.4	173	214	560	<	0.1	2.4							

Sample Types

W=Water
S=Sediment

◉ Significant Difference
○ No Significant Difference

Primary Endpoints

Crustaceans - mortality. Algae - decrease or increase in cell numbers.
Fish - mortality, teratogenicity, or abnormal swimming behaviour.

Secondary Endpoints

Average number of young per female - applicable only to *Ceriodaphnia dubia.*
Weight - applicable only to fish larval survival and growth test.

Station	Waterbody Description												Old Number	Station ID	Latitude	Longitude	County	
Date Collected	Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)
Continued . . .	**Rio Grande 6.3 km Downstream from San Benito Pumping Plant and 15.3 km Southwest of San Benito, at River Km 155.8**																	
14-Jan-93	S	*P.promelas 7-day*	○	7	7						7	7.4	173	214	560	< 0.1	2.4	
10-Jul-98	W	*C.dubia 7-day*	○	0	0	○	22.0	19.2			7	8.0	102	299	1491	< 0.2	0.4	
	W	*P.promelas 7-day*	○	10	3						7	8.0	102	299	1491	< 0.2	0.4	
	S	*C.dubia 7-day*	○	0	0	○	22.0	20.9			7	7.8	178	189	580	< 0.2	0.6	
	S	*P.promelas 7-day*	○	3	3						7	7.8	178	189	580	< 0.2	0.6	
2302.01500	**Rio Grande below Anhelo Drain South of Las Milpas, at River km 244.1**												**2302.0150**	**13180**	**26°03'47"**	**98°10'59"**	***TNRCC***	***TX***
21-Oct-92	W	*C.dubia 7-day*	○	0	0	○	14.7	15.8			7	7.9	126	256	992	< 0.1	0.6	
	W	*P.promelas 7-day*	○	0	3						7	7.9	126	256	992	< 0.1	0.6	
13-Jan-93	W	*C.dubia 7-day*	○	0	0	○	20.5	20.1			7	7.5	123	297	925	< 0.1	1.0	
	W	*P.promelas 7-day*	○	0	7						7	7.5	123	297	925	< 0.1	1.0	
	S	*C.dubia 7-day*	○	0	0	○	20.6	20.7			7	6.9	186	210	548	< 0.1	3.4	
	S	*P.promelas 7-day*	○	0	7						7	6.9	186	210	548	< 0.1	3.4	
25-Jan-93	W	*C.dubia 7-day*	○	0	0	○	20.2	19.2			7	7.6	100	297	750	< 0.1	1.2	
	W	*P.promelas 7-day*	○	7	3						7	7.6	100	297	750	< 0.1	1.2	
20-Apr-93	S	*C.dubia 7-day*	○	0	0	○	21.5	19.1			7	7.1	208	163	501	< 0.1	1.8	
	S	*P.promelas 7-day*	○	0	10						7	7.1	208	163	501	< 0.1	1.8	
21-Jul-93	S	*C.dubia 7-day*	○	0	10	○	20.6	18.4			7	7.6	219	198	629	< 0.1	0.4	
	S	*P.promelas 7-day*	○	3	3						7	7.6	219	198	629	< 0.1	0.4	
20-Oct-93	W	*C.dubia 7-day*	○	0	0	○	20.1	17.3			7	7.3	108	275	1371	0.1	< 0.1	
	W	*P.promelas 7-day*	○	0	3						7	7.3	108	275	1371	0.1	< 0.1	
12-Apr-94	W	*C.dubia 7-day*	○	0	0	○	21.3	18.9			7	8.1	118	283	1150	< 0.1	0.8	
	W	*P.promelas 7-day*	○	0	3						7	8.1	118	283	1150	< 0.1	0.8	
	S	*C.dubia 7-day*	○	0	0	○	19.9	16.3			7	7.1	252	296	751	0.2	1.3	
	S	*P.promelas 7-day*	○	0	3						7	7.1	252	296	751	0.2	1.3	
25-Jul-94	W	*C.dubia 7-day*	○	0	0	○	17.5	17.7			7	7.8	143	387	1300	0.1	1.4	
	W	*P.promelas 7-day*	○	7	10						7	7.8	143	387	1300	0.1	1.4	
	S	*C.dubia 7-day*	○	0	0	○	19.8	17.8			7	7.6	216	245	706	0.2	1.0	
	S	*P.promelas 7-day*	○	7	3						7	7.6	216	245	706	0.2	1.0	
23-Aug-94	W	*C.dubia 7-day*	○	0	0	◉	13.3	21.4			7	7.7	69	377	1157	< 0.1	0.4	
	W	*P.promelas 7-day*	○	10	7						7	7.7	69	377	1157	< 0.1	0.4	
	S	*C.dubia 7-day*	○	0	0	○	20.0	18.4			7	7.4	168	250	860	0.1	0.8	
	S	*P.promelas 7-day*	○	7	0						7	7.4	168	250	860	0.1	0.8	
10-Jul-98	W	*C.dubia 7-day*	○	0	0	○	17.8	19.2			7	7.7	82	273	1170	< 0.2	0.2	
	W	*P.promelas 7-day*	○	7	3						7	7.7	82	273	1170	< 0.2	0.2	
	S	*C.dubia 7-day*	○	0	0	○	19.2	20.9			7	7.6	196	202	612	< 0.2	0.7	
	S	*P.promelas 7-day*	○	0	3						7	7.6	196	202	612	< 0.2	0.7	
2302.02000	**Rio Grande at Hidalgo/Reynoso International Bridge (US281), at River km 256.7**												**2302.0200**	**13181**	**26°05'45"**	**98°16'18"**	***TNRCC***	***TX***

Sample Types
W=Water
S=Sediment

◉ Significant Difference
○ No Significant Difference

Primary Endpoints
Crustaceans - mortality. Algae - decrease or increase in cell numbers.
Fish - mortality, teratogenicity, or abnormal swimming behaviour.

Secondary Endpoints
Average number of young per female - applicable only to *Ceriodaphnia dubia.*
Weight - applicable only to fish larval survival and growth test.

Station	Waterbody Description																												
Date Collected	Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)											
Continued . . .	**Rio Grande at Hidalgo/Reynoso International Bridge (US281), at River km 256.7**																												
12-Jan-93	W	*C.dubia 7-day*	○	0	0	○	19.9	20.1			7	8.0	116	281	866	<	0.1	0.2											
	W	*P.promelas 7-day*	○	3	7						7	8.0	116	281	866	<	0.1	0.2											
	S	*C.dubia 7-day*	○	10	0	○	18.4	20.7			7	7.1	161	227	450	<	0.1	0.8											
	S	*P.promelas 7-day*	○	3	7						7	7.1	161	227	450	<	0.1	0.8											
10-Jul-98	W	*C.dubia 7-day*	○	10	0	○	19.7	19.2			7	7.9	108	312	1557	<	0.2	0.2											
	W	*P.promelas 7-day*	○	7	3						7	7.9	108	312	1557	<	0.2	0.2											
	S	*C.dubia 7-day*	○	0	0	○	21.3	20.9			7	8.2	162	158	574	<	0.2	0.1											
	S	*P.promelas 7-day*	○	3	3						7	8.2	162	158	574	<	0.2	0.1											
2302.02200	**Rio Grande at SH 886 Near Los Ebanos, 54.7 km Upstream from Anzalduas Dam, at River km 328.8**												**2302.0220**		**13184**	**26°14'15"**		**98°33'50"**									***TNRCC***		***TX***
11-Jan-93	W	*C.dubia 7-day*	○	0	0	○	18.6	20.1			7	7.9	116	256	870	<	0.1	0.2											
	W	*P.promelas 7-day*	○	3	7						7	7.9	116	256	870	<	0.1	0.2											
	S	*C.dubia 7-day*	○	0	0	○	24.6	20.7			7	6.5	198	194	572	<	0.1	2.4											
	S	*P.promelas 7-day*	○	7	7						7	6.5	198	194	572	<	0.1	2.4											
10-Jul-95	W	*C.dubia 7-day*	○	10	0	○	19.0	19.2			7	7.8	114	273	1350	<	0.2	0.1											
	W	*P.promelas 7-day*	○	0	3						7	7.8	114	273	1350	<	0.2	0.1											
10-Jul-98	S	*C.dubia 7-day*	○	0	0	○	19.7	20.9			7	7.5	236	211	696	<	0.2	4.8											
	S	*P.promelas 7-day*	○	0	3						7	7.5	236	211	696	<	0.2	4.8											
2303.01000	**Falcon Lake at International Boundary Monument XIV**												**2303.0100**		**13192**	**26°51'52"**		**99°18'27"**									***TNRCC***		***TX***
19-May-93	W	*C.dubia 7-day*	○	0	0	○	21.2	18.7			7	7.8	119	262	1020	<	0.1	0.4											
	W	*P.promelas 7-day*	○	3	3						7	7.8	119	262	1020	<	0.1	0.4											
17-Aug-93	W	*C.dubia 7-day*	○	0	0	○	16.7	17.5			7	8.4	110	264	1020	<	0.1	0.1											
	W	*P.promelas 7-day*	○	0	3						7	8.4	110	264	1020	<	0.1	0.1											
05-Jun-95	W	*C.dubia 7-day*	○	0	0	○	20.8	20.1			7	8.4	110	229	808	<	0.2	0.2											
	W	*P.promelas 7-day*	○	7	7						7	8.4	110	229	808	<	0.2	0.2											
25-Mar-97	W	*C.dubia 7-day*	○	0	0	○	14.2	15.5			7	8.6	118	277	1078		0.3	0.5											
	W	*P.promelas 7-day*	○	0	3						7	8.6	118	277	1078		0.3	0.5											
	S	*C.dubia 7-day*	○	0	0	○	16.2	16.3			7	7.9	52	281	701	<	0.2	1.0											
	S	*P.promelas 7-day*	○	7	3						7	7.9	52	281	701	<	0.2	1.0											
05-Jun-98	S	*C.dubia 7-day*	○	0	10	○	21.4	18.7			7	7.6	212	229	637	<	0.2	1.8											
	S	*P.promelas 7-day*	○	3	7						7	7.6	212	229	637	<	0.2	1.8											
2304.00000	**Chacon Creek 0.1 km Upstream from Mouth in Laredo**												**2300.0046**		**13101**	**27°29'11"**		**99°28'44"**									***TNRCC***		***TX***
24-Mar-93	W	*C.dubia 7-day*	◉	100	0	○		22.1			2	8.0	365	2064	7680	<	0.1	1.8											
	W	*P.promelas 7-day*	○	10	7						7	8.0	365	2064	7680	<	0.1	1.8											
	S	*C.dubia 7-day*	○	0	0	○	22.9	20.9			7	7.0	380	250	1244	<	0.1	3.5											
	S	*P.promelas 7-day*	○	7	3						7	7.0	380	250	1244	<	0.1	3.5											
05-Jun-95	W	*C.dubia 7-day*	◉	50	0	◉	0.1	20.1			7	8.4	270	1052	5700	<	0.2	1.8											
	W	*P.promelas 7-day*	○	0	7						7	8.4	270	1052	5700	<	0.2	1.8											

Sample Types

W=Water
S=Sediment

◉ Significant Difference
○ No Significant Difference

Primary Endpoints

Crustaceans - mortality. Algae - decrease or increase in cell numbers.
Fish - mortality, teratogenicity, or abnormal swimming behaviour.

Secondary Endpoints

Average number of young per female - applicable only to *Ceriodaphnia dubia.*
Weight - applicable only to fish larval survival and growth test.

Station	Waterbody Description																											
Station	*Waterbody Description*																			*Old Number*	*Station ID*	*Latitude*	*Longitude*	*County*				
Date Collected	Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)										
Continued . . .	**Chacon Creek 0.1 km Upstream from Mouth in Laredo**																											
05-Jun-98	S	*C.dubia 7-day*	○	0	10	○	18.0	18.7			7	7.6	360	238	1005	<	0.2	6.0										
	S	*P.promelas 7-day*	○	0	7						7	7.6	360	238	1005	<	0.2	6.0										
2304.00000	**Pinto Creek at Moody Ranch 2.6 km Upstream from Mouth**												**2300.1400**		**13115**		**29°08'45"**	**100°43'05"**		***TNRCC***		***TX***						
11-Feb-93	W	*C.dubia 7-day*	○	0	0	○	19.7	21.6			7	7.7	148	230	316	<	0.1	0.5										
	W	*P.promelas 7-day*	○	7	3						7	7.7	148	230	316	<	0.1	0.5										
	S	*C.dubia 7-day*	○	0	0	○	19.8	20.4			7	7.9	276	210	472	<	0.1	5.5										
	S	*P.promelas 7-day*	○	0	7						7	7.9	276	210	472	<	0.1	5.5										
2304.00000	**Los Moras Creek at US 277 North of Quemado, 1.8 km Upstream from the Confluence with the Rio Grande**												**2300.1950**		**13129**		**29°00'19"**	**100°38'21"**		***TNRCC***		***TX***						
11-Feb-93	W	*C.dubia 7-day*	○	10	0	○	21.4	21.6			7	7.9	142	218	278	<	0.1	0.5										
	W	*P.promelas 7-day*	○	3	3						7	7.9	142	218	278	<	0.1	0.5										
	S	*C.dubia 7-day*	○	10	0	○	23.0	20.4			7	7.5	190	177	400	<	0.1	1.1										
	S	*P.promelas 7-day*	○	10	7						7	7.5	190	177	400	<	0.1	1.1										
2304.00000	**Zacate Creek 0.1 km Upstream from Mouth in Laredo**												**2300.2250**		**13140**		**27°29'58"**	**99°29'38"**		***TNRCC***		***TX***						
23-Mar-93	W	*C.dubia 7-day*	◉	100	0	○		22.1			2	7.3	65	190	612	<	0.1	1.1										
	W	*P.promelas 7-day*	○	20	7						7	7.3	65	190	612	<	0.1	1.1										
	S	*C.dubia 7-day*	○	10	0	○	18.3	20.9			7	8.0	28	75	1006	<	0.1	3.0										
	S	*P.promelas 7-day*	○	7	3						7	8.0	28	75	1006	<	0.1	3.0										
05-Jun-95	W	*C.dubia 7-day*	○	0	0	○	18.1	20.1			7	8.3	134	339	1460		0.3	0.4										
	W	*P.promelas 7-day*	○	7	7						7	8.3	134	339	1460		0.3	0.4										
05-Jun-98	S	*C.dubia 7-day*	○	0	10	○	20.2	18.7			7	7.8	336	334	812	<	0.2	9.6										
	S	*P.promelas 7-day*	○	3	7						7	7.8	336	334	812	<	0.2	9.6										
2304.00000	**Maverick Canal return flow to Rio Grande, immediately downstream form Maverick Power Plant, 14.5 km north-northwest of Eagle Pass**												**2300.1795**		**13717**		**28°49'44"**	**100°33'06"**		***TNRCC***		***TX***						
12-Feb-93	W	*C.dubia 7-day*	○	0	0	○	20.5	21.6			7	8.1	104	274	866	<	0.1	0.6										
	W	*P.promelas 7-day*	○	7	3						7	8.1	104	274	866	<	0.1	0.6										
	S	*C.dubia 7-day*	○	0	0	○	19.9	20.4			7	7.4	194	194	565	<	0.1	2.0										
	S	*P.promelas 7-day*	○	0	7						7	7.4	194	194	565	<	0.1	2.0										
2304.00000	**Manadas Creek 0.8 km Upstream from Mouth and 1.2 Km Downstream from FM 1472 near Northern City Limit of Laredo**												**2300.1495**		**13718**		**27°34'26"**	**99°31'45"**		***TNRCC***		***TX***						
23-Mar-93	W	*C.dubia 7-day*	◉	50	0	◉	9.6	22.1			7	7.8	270	585	6220	<	0.1	1.1										
	W	*P.promelas 7-day*	○	7	7						7	7.8	270	585	6220	<	0.1	1.1										
	S	*C.dubia 7-day*	○	20	0	○	18.6	20.9			7	8.1	212	258	1548	<	0.1	2.6										
	S	*P.promelas 7-day*	○	10	3						7	8.1	212	258	1548	<	0.1	2.6										
05-Jun-95	W	*C.dubia 7-day*	◉	100	0	○					7	8.0	332	1628	7540	<	0.2	3.2										
	W	*P.promelas 7-day*	○	7	7						7	8.0	332	1628	7540	<	0.2	3.2										
05-Jun-98	S	*C.dubia 7-day*	○	10	10	○	17.0	18.7			7	8.0	334	308	1624	<	0.2	9.6										
	S	*P.promelas 7-day*	○	3	7						7	8.0	334	308	1624	<	0.2	9.6										

Sample Types

W=Water
S=Sediment

◉ Significant Difference
○ No Significant Difference

Primary Endpoints

Crustaceans - mortality. Algae - decrease or increase in cell numbers.
Fish - mortality, teratogenicity, or abnormal swimming behaviour.

Secondary Endpoints

Average number of young per female - applicable only to *Ceriodaphnia dubia.*
Weight - applicable only to fish larval survival and growth test.

Station	Waterbody Description																										
2304.00375	**Rio Grande 25 km Downstream of US81 in Laredo at the Webb/Zapata County Line**																										
05-Jun-95	W	*C.dubia 7-day*	○	10	0	○	19.6	20.1			7	8.1	146	317	1172	<	0.2	0.7									
	W	*P.promelas 7-day*	○	3	7						7	8.1	146	317	1172	<	0.2	0.7									
05-Jun-98	S	*C.dubia 7-day*	○	0	10	○	20.6	18.7			7	7.9	256	255	719	<	0.2	7.2									
	S	*P.promelas 7-day*	○	3	7						7	7.9	256	255	719	<	0.2	7.2									
31-Oct-99	W	*C.dubia 7-day*	○	10	0	○	16.1	17.4			7	8.3	130	237	660	<	0.1	0.2									
	W	*P.promelas 7-day*	○	3	7						7	8.3	130	237	660	<	0.1	0.2									
23-May-00	W	*C.dubia 7-day*	○	0	0	○	18.6	18.4			7	8.2	120	270	776	<	0.1	0.2									
	W	*P.promelas 7-day*	○	0	3						7	8.2	120	270	776	<	0.1	0.2									
28-Jan-01	W	*C.dubia 7-day*	○	0	3	○	20.8	17.7			7	8.2	123	270	800	<	0.1	0.6									
	W	*P.promelas 7-day*	○	0	3						7	8.2	123	270	800	<	0.1	0.6									
	S	*C.dubia 7-day*	○	0	3	○	19.4	17.7			7	8.4	248	191	606		0.1	1.6									
	S	*P.promelas 7-day*	○	3	0						7	8.4	248	191	606		0.1	1.6									
29-Apr-01	W	*C.dubia 7-day*	○	0	0	◉	14.6	17.7			7	7.6	140	285	1030	<	0.1	0.4									
	W	*P.promelas 7-day*	○	3	0						7	7.6	140	285	1030	<	0.1	0.4									
	S	*C.dubia 7-day*	○	0	0	○	18.9	18.6			7	6.7	200	204	600		0.1	1.9									
	S	*P.promelas 7-day*	○	3	0						7	6.7	200	204	600		0.1	1.9									
29-Nov-01	W	*C.dubia 4-day*	○	0	0						4	7.8	154	272	1128	<	0.1	0.2									
	W	*P.promelas 4-day*	○	0	0						4	7.8	154	272	1128	<	0.1	0.2									
	S	*C.dubia 4-day*	○	0	0						4	7.5	194	222	474	<	0.1	1.8									
	S	*P.promelas 4-day*	○	0	0						4	7.5	194	222	474	<	0.1	1.8									
2304.00500	**Rio Grande at the San Isidro Pump Station**																										
28-Jul-97	W	*C.dubia 7-day*	○	0	0	○	19.2	17.6			7	8.3	122	288	1141	<	0.1	1.3									
	W	*P.promelas 7-day*	○	3	0						7	8.3	122	288	1141	<	0.1	1.3									
	S	*C.dubia 7-day*	○	0	0	○	19.6	17.8			7	7.6	196	172	649		0.2	2.8									
	S	*P.promelas 7-day*	○	0	3						7	7.6	196	172	649		0.2	2.8									
2304.00750	**Rio Grande at Pipeline Crossing, 13.2 km Downstream from Old Laredo/Nuevo Laredo International Bridge (US81), at River km 567.6**																										
23-Aug-89	W	*C.dubia 7-day*	○	0	0	○	19.6	20.1			7	8.1	122	314	974	<	0.1	1.1									
	W	*P.promelas 7-day*	○	0	7						7	8.1	122	314	974	<	0.1	1.1									
18-Nov-91	W	*C.dubia 7-day*	○	10	0	○	11.4	10.3			7	8.2	149	257	866	<	0.1	0.5									
	W	*P.promelas 7-day*	○	0	3						7	8.2	149	257	866	<	0.1	0.5									
11-Dec-91	W	*C.dubia 7-day*	○	0	0	○	16.8	19.0			7	8.3	143	237	641	<	0.1	1.2									
	W	*P.promelas 7-day*	○	7	3						7	8.3	143	237	641	<	0.1	1.2									
11-Mar-92	W	*C.dubia 7-day*	○	10	0	○	17.6	16.9			7	8.2	147	249	905	<	0.1	0.4									
	W	*P.promelas 7-day*	○	7	10						7	8.2	147	249	905	<	0.1	0.4									
09-Jun-92	W	*C.dubia 7-day*	○	0	0	○	14.0	15.7			7	8.0	142	249	712	<	0.1	0.5									

Station	Old Number	Station ID	Latitude	Longitude	County	
2304.00375	**2304.00375**	**15817**	**27°15'54"**	**99°26'04"**	***TNRCC***	***TX***
2304.00500		**13194**	**27°16'12"**	**99°28'48"**	***TNRCC***	***TX***
2304.00750	**2304.0075**	**13196**	**27°24'13"**	**99°29'13"**	***TNRCC***	***TX***

Sample Types

W=Water
S=Sediment

◉ Significant Difference
○ No Significant Difference

Primary Endpoints

Crustaceans - mortality. Algae - decrease or increase in cell numbers.
Fish - mortality, teratogenicity, or abnormal swimming behaviour.

Secondary Endpoints

Average number of young per female - applicable only to *Ceriodaphnia dubia.*
Weight - applicable only to fish larval survival and growth test.

Station	Waterbody Description																			Old Number	Station ID	Latitude	Longitude	County
Date Collected	Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)						
Continued . . .	**Rio Grande at Pipeline Crossing, 13.2 km Downstream from Old Laredo/Nuevo Laredo International Bridge (US81), at River km 567.6**																							
09-Jun-92	W	*P.promelas 7-day*	○	10	3						7	8.0	142	249	712	< 0.1	0.5							
21-Oct-92	W	*C.dubia 7-day*	○	0	0	●	12.2	15.8			7	8.0	136	70	698	< 0.1	0.5							
	W	*P.promelas 7-day*	○	7	3						7	8.0	136	70	698	< 0.1	0.5							
26-Jan-93	W	*C.dubia 7-day*	○	0	0	○	22.1	19.2			7	7.7	139	285	713	< 0.1	1.44							
	W	*P.promelas 7-day*	○	3	3						7	7.7	139	285	713	< 0.1	1.44							
24-Mar-93	W	*C.dubia 7-day*	○	0	0	○	21.5	22.1			7	7.4	129	286	966	< 0.1	1.0							
	W	*P.promelas 7-day*	○	7	7						7	7.4	129	286	966	< 0.1	1.0							
	S	*C.dubia 7-day*	○	0	0	○	20.3	20.9			7	6.9	274	210	478	< 0.1	10.0							
	S	*P.promelas 7-day*	●	100	3						2	6.9	274	210	478	< 0.1	10.0							
12-Apr-93	S	*C.dubia 7-day*	○	0	0	○	22.4	19.6			7	7.2	210	186	493	< 0.1	3.6							
	S	*P.promelas 7-day*	○	3	3						7	7.2	210	186	493	< 0.1	3.6							
06-Aug-93	S	*C.dubia 7-day*	●	100	0	○					7	7.0	226	215	684	< 0.1	10.8							
	S	*P.promelas 7-day*	○	7	0						7	7.0	226	215	684	< 0.1	10.8							
28-Oct-93	W	*C.dubia 7-day*	○	0	0	○	17.2	16.8			7	7.7	112	229	959	< 0.1	0.5							
	W	*P.promelas 7-day*	○	7	3						7	7.7	112	229	959	< 0.1	0.5							
14-Apr-94	W	*C.dubia 7-day*	○	0	0	○	19.9	19.2			7	7.2	164	305	1310	< 0.1	0.5							
	W	*P.promelas 7-day*	○	0	3						7	7.2	164	305	1310	< 0.1	0.5							
	S	*C.dubia 7-day*	○	0	0	○	19.2	16.3			7	7.0	313	277	740	< 0.1	8.4							
	S	*P.promelas 7-day*	○	7	3						7	7.0	313	277	740	< 0.1	8.4							
27-Jul-94	W	*C.dubia 7-day*	○	0	0	○	19.5	17.7			7	7.4	141	372	1094	0.1	0.6							
	W	*P.promelas 7-day*	○	7	10						7	7.4	141	372	1094	0.1	0.6							
	S	*C.dubia 7-day*	○	0	0	○	20.1	17.8			7	7.0	221	225	649	< 0.1	7.2							
	S	*P.promelas 7-day*	○	3	3						7	7.0	221	225	649	< 0.1	7.2							
20-Oct-94	W	*C.dubia 7-day*	○	0	0	○	21.2	18.9			7	8.8	144	353	1284	0.1	0.6							
	W	*P.promelas 7-day*	○	0	7						7	8.8	144	353	1284	0.1	0.6							
29-Nov-94	S	*C.dubia 7-day*	○	0	0	○	21.3	18.3			7	7.2	241	186	686	< 0.1	10.8							
	S	*P.promelas 7-day*	○	7	0						7	7.2	241	186	686	< 0.1	10.8							
31-Jan-95	W	*C.dubia 7-day*	○	0	0	○	17.7	18.5			7	8.3	143	328	1234	0.2	0.7							
	W	*P.promelas 7-day*	○	10	0						7	8.3	143	328	1234	0.2	0.7							
	S	*C.dubia 7-day*	○	0	0	○	20.3	18.5			7	7.2	272	255	697	< 0.1	7.2							
	S	*P.promelas 7-day*	○	3	0						7	7.2	272	255	697	< 0.1	7.2							
05-Jun-95	W	*C.dubia 7-day*	○	0	0	○	18.7	20.1			7	7.6	142	321	1155	< 0.2	0.5							
	W	*P.promelas 7-day*	○	10	7						7	7.6	142	321	1155	< 0.2	0.5							
26-Jul-95	W	*C.dubia 7-day*	○	0	20	○	18.7	14.1			7	7.8	116	289	1478	< 0.2	0.8							
	W	*P.promelas 7-day*	○	7	3						7	7.8	116	289	1478	< 0.2	0.8							
	S	*C.dubia 7-day*	○	0	0	○	19.4	16.4			7	8.6	290	175	685	< 0.2	5.6							
	S	*P.promelas 7-day*	○	3	0						7	8.6	290	175	685	< 0.2	5.6							
07-Nov-95	W	*C.dubia 7-day*	○	0	0	○	20.2	17.8			7	7.5	122	291	1211	< 0.2	0.2							

Sample Types

W=Water
S=Sediment

● Significant Difference
○ No Significant Difference

Primary Endpoints

Crustaceans - mortality. Algae - decrease or increase in cell numbers.
Fish - mortality, teratogenicity, or abnormal swimming behaviour.

Secondary Endpoints

Average number of young per female - applicable only to *Ceriodaphnia dubia.*
Weight - applicable only to fish larval survival and growth test.

Station	Waterbody Description	Old Number	Station ID	Latitude	Longitude	County	

Continued . . . **Rio Grande at Pipeline Crossing, 13.2 km Downstream from Old Laredo/Nuevo Laredo International Bridge (US81), at River km 567.6**

Date Collected	Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)
07-Nov-95	W	*P.promelas 7-day*	○	7	0						7	7.5	122	291	1211	< 0.2	0.2	
05-Jun-98	S	*C.dubia 7-day*	○	0	10	○	19.6	18.7			7	7.5	252	229	756	< 0.2	13.2	
	S	*P.promelas 7-day*	○	10	7						7	7.5	252	229	756	< 0.2	13.2	
31-Oct-99	W	*C.dubia 7-day*	○	0	0	○	17.8	17.4			7	8.3	130	239	686	< 0.1	0.5	
	W	*P.promelas 7-day*	○	3	7						7	8.3	130	239	686	< 0.1	0.5	
23-May-00	W	*C.dubia 7-day*	○	0	0	○	18.7	18.4			7	8.1	122	268	716	< 0.1	0.4	
	W	*P.promelas 7-day*	○	3	3						7	8.1	122	268	716	< 0.1	0.4	
28-Jan-01	W	*C.dubia 7-day*	○	7	3	○	18.9	17.7			7	8.2	122	264	787	< 0.1	0.7	
	W	*P.promelas 7-day*	○	7	3						7	8.2	122	264	787	< 0.1	0.7	
29-Apr-01	W	*C.dubia 7-day*	○	0	0	◉	11.3	17.7			7	7.7	127	294	1030	< 0.1	0.4	
	W	*P.promelas 7-day*	○	3	0						7	7.7	127	294	1030	< 0.1	0.4	
29-Nov-01	W	*C.dubia 4-day*	○	0	0						4	7.9	143	286	988	< 0.1	0.3	
	W	*P.promelas 4-day*	○	2.5	0						4	7.9	143	286	988	< 0.1	0.3	

2304.00800 **Rio Grande 9.0 Km Downstream of US 81 Bridge in Laredo** **2304.0080** **13197** **27°26'21"** **99°29'44"** ***TNRCC*** ***TX***

Date Collected	Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)
23-Aug-89	W	*C.dubia 7-day*	○	0	0	○	19.5	20.1			7	8.1	123	310	967	< 0.1	1.2	
	W	*P.promelas 7-day*	○	0	7						7	8.1	123	310	967	< 0.1	1.2	

2304.00950 **Rio Grande 50 Yards Upstream from Confluence with Zacata Creek** **2304.0095** **13200** **27°29'55"** **99°29'40"** ***TNRCC*** ***TX***

Date Collected	Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)
23-Aug-89	W	*C.dubia 7-day*	○	0	0	○	20.4	20.1			7	8.2	121	312	959	< 0.1	0.7	
	W	*P.promelas 7-day*	○	0	7						7	8.2	121	312	959	< 0.1	0.7	

2304.00980 **Rio Grande 30 Meters Upstream of US 81 Bridge (Convent Ave) in Laredo** **2304.0098** **13201** **27°29'57"** **99°30'26"** ***TNRCC*** ***TX***

Date Collected	Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)
23-Aug-89	W	*C.dubia 7-day*	○	0	0	○	18.4	20.1			7	8.0	121	312	967	< 0.1	1.2	
	W	*P.promelas 7-day*	○	7	7						7	8.0	121	312	967	< 0.1	1.2	

2304.01500 **Rio Grande 14 km Downstream from Eagle Pass/Piedras Negras International Bridge, near Irrigation Canal Lateral 50, at River Km 785.8** **2304.0150** **13205** **28°39'48"** **100°30'00"** ***TNRCC*** ***TX***

Date Collected	Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)
04-Feb-91	W	*C.dubia 7-day*	○	0	0	○	13.7	15.0			7	7.8	90	261	907	< 0.5	0.5	
	W	*P.promelas 7-day*	○	7	10						7	7.8	90	261	907	< 0.5	0.5	
03-Dec-91	W	*C.dubia 7-day*	○	0	0	○	18.8	16.7			7	8.0	153	245	727	< 0.1	0.5	
	W	*P.promelas 7-day*	○	10	3						7	8.0	153	245	727	< 0.1	0.5	
02-Mar-92	W	*C.dubia 7-day*	○	0	0	○	16.3	16.2			7	7.4	147	245	907	< 0.1	0.2	
	W	*P.promelas 7-day*	○	3	3						7	7.4	147	245	907	< 0.1	0.2	
30-Jun-92	W	*C.dubia 7-day*	○	10	0	○	15.4	13.5			7	7.7	140	240	893	< 0.1	0.4	
03-Nov-92	W	*C.dubia 7-day*	○	10	10	◉	12.1	16.3			7	7.8	124	252	582	< 0.1	0.4	
	W	*P.promelas 7-day*	○	7	3						7	7.8	124	252	582	< 0.1	0.4	
	S	*C.dubia 7-day*	○	0	10	○	20.0	17.4			7	7.2	211	179	582	2.5	2.5	
	S	*P.promelas 7-day*	○	0	3						7	7.2	211	179	582	2.5	2.5	
08-Mar-93	W	*C.dubia 7-day*	○	10	0	○	22.2	18.7			7	7.7	139	286	650	< 0.1	0.2	
	W	*P.promelas 7-day*	○	0	3						7	7.7	139	286	650	< 0.1	0.2	

Sample Types
W=Water
S=Sediment

◉ Significant Difference
○ No Significant Difference

Primary Endpoints
Crustaceans - mortality. Algae - decrease or increase in cell numbers.
Fish - mortality, teratogenicity, or abnormal swimming behaviour.

Secondary Endpoints
Average number of young per female - applicable only to *Ceriodaphnia dubia.*
Weight - applicable only to fish larval survival and growth test.

Station	Waterbody Description																			Old Number	Station ID	Latitude	Longitude	County
Date Collected	Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)						
Continued . . .	**Rio Grande 14 km Downstream from Eagle Pass/Piedras Negras International Bridge, near Irrigation Canal Lateral 50, at River Km 785.8**																							
08-Mar-93	S	*C.dubia 7-day*	○	0	0	○	20.9	19.7			7	7.2	251	165	405	< 0.1	3.6							
	S	*P.promelas 7-day*	○	3	7						7	7.2	251	165	405	< 0.1	3.6							
23-Mar-93	W	*C.dubia 7-day*	○	10	0	○	20.5	22.1			7	7.3	137	294	994	< 0.1	0.5							
	W	*P.promelas 7-day*	○	0	7						7	7.3	137	294	994	< 0.1	0.5							
	S	*C.dubia 7-day*	○	0	0	○	22.3	20.9			7	7.2	356	234	598	< 0.1	9.0							
	S	*P.promelas 7-day*	○	0	3						7	7.2	356	234	598	< 0.1	9.0							
25-Oct-93	W	*C.dubia 7-day*	○	10	0	●	14.7	17.3			7	7.8	118	217	1068	0.1	0.5							
	W	*P.promelas 7-day*	○	0	3						7	7.8	118	217	1068	0.1	0.5							
28-Feb-94	W	*C.dubia 7-day*	○	0	0	○	18.8	19.5			7	7.8	131	288	1095	< 0.1	0.4							
	W	*P.promelas 7-day*	○	0	7						7	7.8	131	288	1095	< 0.1	0.4							
	S	*C.dubia 7-day*	○	0	0	○	21.3	19.4			7	7.5	205	213	641	< 0.1	7.2							
	S	*P.promelas 7-day*	○	3	7						7	7.5	205	213	641	< 0.1	7.2							
13-Jun-94	W	*C.dubia 7-day*	○	10	10	○	20.2	18.5			7	8.0	143	353	1243	< 0.1	0.5							
	W	*P.promelas 7-day*	○	7	7						7	8.0	143	353	1243	< 0.1	0.5							
	S	*C.dubia 7-day*	○	0	0	○	21.4	21.4			7	7.0	254	294	736	< 0.1	1.3							
	S	*P.promelas 7-day*	○	0	7						7	7.0	254	294	736	< 0.1	1.3							
26-Sep-94	W	*C.dubia 7-day*	○	0	0	○	18.2	19.8			7	7.5	108	353	1390	0.1	0.2							
	W	*P.promelas 7-day*	○	3	10						7	7.5	108	353	1390	0.1	0.2							
05-Dec-94	W	*C.dubia 7-day*	○	0	0	○	17.3	18.3			7	6.9	133	338	1252	< 0.1	0.2							
	W	*P.promelas 7-day*	○	3	3						7	6.9	133	338	1252	< 0.1	0.2							
	S	*C.dubia 7-day*	○	0	0	○	20.6	18.2			7	7.2	217	250	699	< 0.1	3.4							
	S	*P.promelas 7-day*	○	3	0						7	7.2	217	250	699	< 0.1	3.4							
27-Mar-95	W	*C.dubia 7-day*	○	0	0	○	18.2	20.0			7	8.5	152	230	1085	< 0.1	0.4							
	W	*P.promelas 7-day*	○	7	7						7	8.5	152	230	1085	< 0.1	0.4							
	S	*C.dubia 7-day*	○	0	0	○	20.7	20.0			7	7.5	243	225	853	0.2	7.2							
	S	*P.promelas 7-day*	○	7	7						7	7.5	243	225	853	0.2	7.2							
15-May-95	W	*C.dubia 7-day*	○	10	10	○	19.8	18.4			7	8.0	134	300	1386	< 0.2	0.5							
	W	*P.promelas 7-day*	○	0	7						7	8.0	134	300	1386	< 0.2	0.5							
	S	*C.dubia 7-day*	○	0	0	○	20.4	19.7			7	7.7	258	252	744	< 0.2	2.9							
	S	*P.promelas 7-day*	○	7	3						7	7.7	258	252	744	< 0.2	2.9							
05-Jun-95	W	*C.dubia 7-day*	●	40	10	●	12.5	18.7			7	8.3	132	304	1353	< 0.2	0.4							
	W	*P.promelas 7-day*	○	3	0						7	8.3	132	304	1353	< 0.2	0.4							
	S	*C.dubia 7-day*	○	0	0	○	19.6	18.8			7	7.6	214	216	653	< 0.2	2.5							
	S	*P.promelas 7-day*	○	7	0						7	7.6	214	216	653	< 0.2	2.5							
09-Oct-95	W	*C.dubia 7-day*	○	10	0	○	20.0	18.3			7	8.2	126	287	1164	< 0.2	0.5							
	W	*P.promelas 7-day*	○	0	3						7	8.2	126	287	1164	< 0.2	0.5							
	S	*C.dubia 7-day*	●	40	0	●	11.7	18.3			7	8.4	242	209	649	< 0.2	2.8							
	S	*P.promelas 7-day*	○	7	3						7	8.4	242	209	649	< 0.2	2.8							

Sample Types

W=Water
S=Sediment

● Significant Difference
○ No Significant Difference

Primary Endpoints

Crustaceans - mortality. Algae - decrease or increase in cell numbers.
Fish - mortality, teratogenicity, or abnormal swimming behaviour.

Secondary Endpoints

Average number of young per female - applicable only to *Ceriodaphnia dubia.*
Weight - applicable only to fish larval survival and growth test.

Station **Waterbody Description** **Old Number** **Station ID** **Latitude** **Longitude** **County**

Continued . . . **Rio Grande 14 km Downstream from Eagle Pass/Piedras Negras International Bridge, near Irrigation Canal Lateral 50, at River Km 785.8**

Date Collected	Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)
22-Jan-96	W	*C.dubia 7-day*	○	0	0	○	12.5	13.5			7	8.1	130	312	1292	< 0.2	0.7	
	W	*P.promelas 7-day*	○	0	3						7	8.1	130	312	1292	< 0.2	0.7	
	S	*C.dubia 7-day*	○	0	0	○	18.9	17.8			7	7.7	240	212	656	< 0.2	2.9	
	S	*P.promelas 7-day*	○	7	3						7	7.7	240	212	656	< 0.2	2.9	
04-Mar-96	W	*C.dubia 7-day*	○	0	0	○	17.1	18.3			7	8.0	144	338	1369	< 0.2	1.1	
	W	*P.promelas 7-day*	○	0	10						7	8.0	144	338	1369	< 0.2	1.1	
24-Jun-96	W	*C.dubia 7-day*	○	0	0	○	20.4	15.1			7	7.9	172	303	1385	< 0.2	0.1	
	W	*P.promelas 7-day*	○	15	20						7	7.9	172	303	1385	< 0.2	0.1	
18-Nov-96	W	*C.dubia 7-day*	○	10	0	○	13.7	16.1			7	8.1	128	316	1200	< 0.2	0.2	
	W	*P.promelas 7-day*	○	0	3						7	8.1	128	316	1200	< 0.2	0.2	
	S	*C.dubia 7-day*	○	0	0	○	18.7	16.1			7	8.5	240	273	804	< 0.2	9.6	
	S	*P.promelas 7-day*	○	7	3						7	8.5	240	273	804	< 0.2	9.6	
22-Sep-97	W	*C.dubia 7-day*	○	0	0	●	15.0	17.1			7	8.2	132	284	1086	< 0.1	0.5	
	W	*P.promelas 7-day*	○	3	3						7	8.2	132	284	1086	< 0.1	0.5	
	S	*C.dubia 7-day*	○	0	0	○	17.4	17.8			7	7.8	184	172	630	< 0.1	1.8	
	S	*P.promelas 7-day*	○	0	0						7	7.8	184	172	630	< 0.1	1.8	
31-Mar-98	W	*C.dubia 7-day*	○	0	0	○	19.1	17.0			7	8.2	136	312	1152	< 0.1	0.8	
	W	*P.promelas 7-day*	○	0	3						7	8.2	136	312	1152	< 0.1	0.8	
16-Jun-98	W	*C.dubia 7-day*	○	0	0	○	18.3	16.0			7	8.6	134	308	1128	< 0.1	0.4	
	W	*P.promelas 7-day*	○	0	3						7	8.6	134	308	1128	< 0.1	0.4	
12-Oct-98	W	*C.dubia 7-day*	○	0	0	○	18.0	18.3			7	8.2	150	294	690	< 0.1	0.4	
	W	*P.promelas 7-day*	○	3	3						7	8.2	150	294	690	< 0.1	0.4	
	S	*C.dubia 7-day*	○	0	0	○	19.2	18.3			7	7.5	178	176	485	< 0.1	2.2	
	S	*P.promelas 7-day*	○	3	3						7	7.5	178	176	485	< 0.1	2.2	
24-Mar-99	W	*C.dubia 7-day*	○	0	0	○	18.0	17.6			7	8.2	134	270	776	< 0.1	0.5	
	W	*P.promelas 7-day*	○	3	3						7	8.2	134	270	776	< 0.1	0.5	
13-Mar-00	W	*C.dubia 7-day*	○	0	0	○	20.1	20.0			7	8.2	135	276	714	< 0.1	0.4	
	W	*P.promelas 7-day*	○	3	0						7	8.2	135	276	714	< 0.1	0.4	
24-Jul-00	W	*C.dubia 7-day*	○	0	0	○	16.4	17.5			7	8.2	123	270	770	0.1	0.2	
	W	*P.promelas 7-day*	○	3	7						7	8.2	123	270	770	0.1	0.2	

2304.02000 **Rio Grande 1.0 km Upstream from Eagle Pass/Piedras Negras International Bridge, at River Km 799.8** **2304.0200** **13206** **28°40'50"** **100°30'18"** ***TNRCC*** ***TX***

Date Collected	Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)
22-Mar-93	W	*C.dubia 7-day*	○	0	0	○	21.9	22.1			7	7.4	133	274	896	< 0.1	0.4	
	W	*P.promelas 7-day*	○	0	7						7	7.4	133	274	896	< 0.1	0.4	
	S	*C.dubia 7-day*	○	0	0	○	20.5	20.9			7	7.4	286	198	459	< 0.1	3.0	
	S	*P.promelas 7-day*	○	3	3						7	7.4	286	198	459	< 0.1	3.0	

2304.02250 **Rio Grande 4.5 Miles Downstream of Del Rio at Moody Ranch** **2304.0225** **13560** **29°17'31"** **100°52'34"** ***TNRCC*** ***TX***

Date Collected	Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)
15-Dec-92	W	*C.dubia 7-day*	○	0	0	○	19.2	18.7			7	7.4	131	285	911	< 0.1	0.1	

Sample Types
W=Water
S=Sediment

● Significant Difference
○ No Significant Difference

Primary Endpoints
Crustaceans - mortality. Algae - decrease or increase in cell numbers.
Fish - mortality, teratogenicity, or abnormal swimming behaviour.

Secondary Endpoints
Average number of young per female - applicable only to *Ceriodaphnia dubia.*
Weight - applicable only to fish larval survival and growth test.

Station	Waterbody Description																			Old Number	Station ID	Latitude	Longitude	County
Date Collected	Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)						
Continued . . .	**Rio Grande 4.5 Miles Downstream of Del Rio at Moody Ranch**																							
15-Dec-92	W	*P.promelas 7-day*	○	0	3						7	7.4	131	285	911	< 0.1	0.1							
	S	*C.dubia 7-day*	○	0	0	○	13.2	15.2			7	7.4	194	215	608	< 0.1	1.92							
27-Oct-93	W	*C.dubia 7-day*	○	0	0	○	19.0	17.3			7	7.8	127	229	1002	0.1	0.5							
	W	*P.promelas 7-day*	○	0	3						7	7.8	127	229	1002	0.1	0.5							
01-Mar-94	W	*C.dubia 7-day*	○	0	0	○	20.9	19.5			7	7.6	122	279	1130	< 0.1	0.2							
	W	*P.promelas 7-day*	○	3	7						7	7.6	122	279	1130	< 0.1	0.2							
	S	*C.dubia 7-day*	○	0	0	○	20.3	19.4			7	7.5	255	254	723	0.2	2.4							
	S	*P.promelas 7-day*	○	0	7						7	7.5	255	254	723	0.2	2.4							
14-Jun-94	W	*C.dubia 7-day*	○	0	10	○	21.2	18.7			7	8.1	132	358	1268	< 0.1	0.4							
	W	*P.promelas 7-day*	○	7	7						7	8.1	132	358	1268	< 0.1	0.4							
	S	*C.dubia 7-day*	○	0	0	○	20.8	21.4			7	7.2	210	284	778	< 0.1	2.5							
	S	*P.promelas 7-day*	○	7	7						7	7.2	210	284	778	< 0.1	2.5							
27-Sep-94	W	*C.dubia 7-day*	○	0	0	○	17.4	19.8			7	7.8	116	338	1329	< 0.1	0.4							
	W	*P.promelas 7-day*	○	0	10						7	7.8	116	338	1329	< 0.1	0.4							
06-Dec-94	W	*C.dubia 7-day*	○	10	0	●	13.4	18.3			7	8.2	125	319	1211	< 0.1	0.4							
	W	*P.promelas 7-day*	○	3	0						7	8.2	125	319	1211	< 0.1	0.4							
	S	*C.dubia 7-day*	○	0	0	○	20.3	18.2			7	7.4	209	224	728	0.1	1.9							
	S	*P.promelas 7-day*	○	10	3						7	7.4	209	224	728	0.1	1.9							
28-Mar-95	W	*C.dubia 7-day*	○	0	0	●	16.4	20.0			7	7.7	131	270	1362	0.2	0.4							
	W	*P.promelas 7-day*	○	7	7						7	7.7	131	270	1362	0.2	0.4							
	S	*C.dubia 7-day*	○	0	0	○	20.9	20.0			7	7.4	186	191	726	< 0.1	7.2							
	S	*P.promelas 7-day*	○	10	7						7	7.4	186	191	726	< 0.1	7.2							
04-Apr-95	W	*P.promelas 7-day*	○	7	0						7	7.6	101	260	1193	< 0.1	0.5							
06-Jun-95	W	*C.dubia 7-day*	○	40	10	○	16.3	18.7			7	8.5	132	295	1255	< 0.2	0.4							
	W	*P.promelas 7-day*	○	7	7						7	8.5	132	295	1255	< 0.2	0.4							
	S	*C.dubia 7-day*	○	0	0	○	21.1	18.8			7	7.1	298	295	767	< 0.2	16.8							
	S	*P.promelas 7-day*	●	100	0						7	7.1	298	295	767	< 0.2	16.8							
23-Sep-97	W	*C.dubia 7-day*	○	0	0	●	14.6	17.1			7	8.7	142	292	1110	< 0.1	0.6							
	W	*P.promelas 7-day*	○	0	3						7	8.7	142	292	1110	< 0.1	0.6							
	S	*C.dubia 7-day*	○	0	0	○	17.5	17.8			7	7.5	238	204	600	0.2	3.7							
	S	*P.promelas 7-day*	○	10	0						7	7.5	238	204	600	0.2	3.7							
03-Mar-98	W	*C.dubia 7-day*	○	10	0	●	13.9	17.9			7	8.4	130	288	1003	< 0.1	0.6							
	W	*P.promelas 7-day*	○	7	3						7	8.4	130	288	1003	< 0.1	0.6							
16-Jun-98	W	*C.dubia 7-day*	○	0	0	○	19.9	16.0			7	8.0	130	296	1118	< 0.1	0.4							
	W	*P.promelas 7-day*	○	3	3						7	8.0	130	296	1118	< 0.1	0.4							
27-Oct-98	W	*C.dubia 7-day*	○	20	0	●	1.7	18.3			7	8.2	148	272	740	< 0.1	0.1							
	W	*P.promelas 7-day*	○	13	3						7	8.2	148	272	740	< 0.1	0.1							
	S	*C.dubia 7-day*	○	0	0	○	18.4	18.3			7	7.6	172	175	460	0.1	1.3							

Sample Types

W=Water
S=Sediment

● Significant Difference
○ No Significant Difference

Primary Endpoints

Crustaceans - mortality. Algae - decrease or increase in cell numbers.
Fish - mortality, teratogenicity, or abnormal swimming behaviour.

Secondary Endpoints

Average number of young per female - applicable only to *Ceriodaphnia dubia.*
Weight - applicable only to fish larval survival and growth test.

Station	Waterbody Description																						
														Old Number	Station ID	Latitude	Longitude			County			
Date Collected	Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)					
Continued . . .	**Rio Grande 4.5 Miles Downstream of Del Rio at Moody Ranch**																						
27-Oct-98	S	*P.promelas 7-day*	○	0	3						7	7.6	172	175	460		0.1	1.3					
21-Mar-00	W	*C.dubia 7-day*	○	0	0	○	17.7	18.5			7	8.2	128	282	816	<	0.1	0.1					
	W	*P.promelas 7-day*	○	0	0						7	8.2	128	282	816	<	0.1	0.1					
25-Jul-00	W	*C.dubia 7-day*	○	0	0	◉	14.4	17.5			7	8.2	108	238	903	<	0.1	0.2					
	W	*P.promelas 7-day*	○	0	7						7	8.2	108	238	903	<	0.1	0.2					
2304.02450	**Rio Grande 6.4 km Downstream from Del Rio/Ciudad Acuna International Bridge, at River km 896.8**												**2304.0245**	**13604**	**29°18'09"**	**100°52'55"**			***TNRCC***	***TX***			
10-Feb-93	W	*C.dubia 7-day*	○	0	0	○	20.2	21.6			7	7.4	131	274	965	<	0.1	0.2					
	W	*P.promelas 7-day*	○	0	3						7	7.4	131	274	965	<	0.1	0.2					
	S	*C.dubia 7-day*	○	0	0	○	22.5	20.4			7	7.1	210	181	501	<	0.1	3.0					
	S	*P.promelas 7-day*	○	0	7						7	7.1	210	181	501	<	0.1	3.0					
2304.02500	**Rio Grande 5.4 km Downstream from Del Rio/Ciudad Acuna International Bridge**												**2304.0250**	**13207**	**29°18'23"**	**100°53'08"**			***TNRCC***	***TX***			
16-Mar-93	W	*C.dubia 7-day*	○	0	0	○	22.2	19.7			7	8.0	142	258	850	<	0.1	0.4					
	W	*P.promelas 7-day*	○	0	7						7	8.0	142	258	850	<	0.1	0.4					
	S	*C.dubia 7-day*	○	0	0	○	20.6	19.4			7	7.6	244	194	552	<	0.1	3.0					
	S	*P.promelas 7-day*	○	0	3						7	7.6	244	194	552	<	0.1	3.0					
2304.03000	**Rio Grande 0.4 km Upstream from Del Rio/Ciudad Acuna International Bridge, at River km 903.2**												**2304.0300**	**13208**	**29°19'35"**	**100°55'50"**			***TNRCC***	***TX***			
10-Feb-93	W	*C.dubia 7-day*	○	10	0	○	18.7	21.6			7	7.6	127	270	895	<	0.1	0.4					
	W	*P.promelas 7-day*	○	7	3						7	7.6	127	270	895	<	0.1	0.4					
	S	*C.dubia 7-day*	○	0	0	○	22.6	20.4			7	6.9	236	198	518	<	0.1	1.8					
	S	*P.promelas 7-day*	○	7	7						7	6.9	236	198	518	<	0.1	1.8					
2305.00500	**Falcon International Reservoir at Monument #1**													**13189**	**26°34'48"**	**99°10'14"**			***TNRCC***	***TX***			
05-Jun-95	W	*C.dubia 7-day*	○	0	0	○	21.3	20.1			7	8.4	108	282	1242	<	0.2	0.4					
	W	*P.promelas 7-day*	○	7	7						7	8.4	108	282	1242	<	0.2	0.4					
05-Jun-98	S	*C.dubia 7-day*	○	10	10	○	19.9	18.7			7	8.0	232	207	702		0.4	4.8					
	S	*P.promelas 7-day*	○	3	7						7	8.0	232	207	702		0.4	4.8					
2305.03400	**Amistad Reservoir in Devil's River Arm 6.6 km Downstream of Rough Canyon Boat Ramp**												**2305.03400**	**16382**	**29°31'15"**	**100°58'57"**			***TNRCC***	***TX***			
15-May-95	W	*C.dubia 7-day*	○	10	10	○	17.3	18.4			7	8.4	138	260	1144	<	0.2	0.2					
	W	*P.promelas 7-day*	○	3	7						7	8.4	138	260	1144	<	0.2	0.2					
	S	*C.dubia 7-day*	○	20	0	○	20.6	19.7			7	7.5	226	216	758	<	0.2	2.3					
	S	*P.promelas 7-day*	○	0	3						7	7.5	226	216	758	<	0.2	2.3					
2305.04800	**Amistad Reservoir in Rio Grande Arm at Buoy #17**													**16381**	**29°31'12"**	**101°15'19"**			***TNRCC***	***TX***			
15-May-95	W	*C.dubia 7-day*	○	10	10	○	17.0	18.4			7	8.3	132	284	1369	<	0.2	0.4					
	W	*P.promelas 7-day*	○	0	7						7	8.3	132	284	1369	<	0.2	0.4					
	S	*C.dubia 7-day*	○	0	0	○	19.6	19.7			7	7.5	218	236	797	<	0.2	0.5					
	S	*P.promelas 7-day*	○	7	3						7	7.5	218	236	797	<	0.2	0.5					

Sample Types

W=Water
S=Sediment

◉ Significant Difference
○ No Significant Difference

Primary Endpoints

Crustaceans - mortality. Algae - decrease or increase in cell numbers.
Fish - mortality, teratogenicity, or abnormal swimming behaviour.

Secondary Endpoints

Average number of young per female - applicable only to *Ceriodaphnia dubia.*
Weight - applicable only to fish larval survival and growth test.

Station / Date Collected	Waterbody Description / Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)
2306.00000	**Alamito Creek at FM170, 0.5 km Upstream from Mouth and 9.7 km Southeast of Presidio**												**Old Number 2300.0600**	**Station ID 13108**	**Latitude 29°31'15"**	**Longitude 104°17'40"**	**County TNRCC**	**TX**
13-Nov-92	W	*C.dubia 7-day*	○	0	0	○	20.8	18.7			7	8.9	190	66	492	< 0.1	0.4	
	W	*P.promelas 7-day*	○	10	7						7	8.9	190	66	492	< 0.1	0.4	
	S	*C.dubia 7-day*	○	0	10	○	20.8	18.4			7	7.8	262	178	500	< 0.1	3.1	
	S	*P.promelas 7-day*	○	7	7						7	7.8	262	178	500	< 0.1	3.1	
2306.00000	**Terlingua Creek 0.2 km Upstream from Mouth and 13.7 km South of Terlingua**												**2300.0495**	**13714**	**29°10'02"**	**103°36'43"**	**TNRCC**	**TX**
15-Nov-92	W	*C.dubia 7-day*	○	10	0	○	17.0	18.7			7	7.6	135	405	1290	< 0.1	0.5	
	W	*P.promelas 7-day*	○	0	7						7	7.6	135	405	1290	< 0.1	0.5	
	S	*C.dubia 7-day*	○	0	10	○	19.2	18.4			7	7.7	207	256	702	< 0.1	1.3	
	S	*P.promelas 7-day*	○	3	7						7	7.7	207	256	702	< 0.1	1.3	
2306.01000	**Rio Grande at Foster Ranch West of Langtry Off of Hwy 90W, at River km 1,058.2**												**2306.0100**	**13223**	**29°46'50"**	**101°45'20"**	**TNRCC**	**TX**
08-Feb-93	W	*C.dubia 7-day*	○	0	0	○	20.3	21.6			7	8.0	161	350	1300	< 0.1	0.4	
	W	*P.promelas 7-day*	○	3	3						7	8.0	161	350	1300	< 0.1	0.4	
	S	*C.dubia 7-day*	○	0	0	○	20.2	20.4			7	7.0	314	181	586	< 0.1	2.6	
	S	*P.promelas 7-day*	○	7	7						7	7.0	314	181	586	< 0.1	2.6	
2306.01050	**Rio Grande at Mouth of Lozier Canyon, 44 km Southeast of Dryden, at River km 1,062.7**												**2306.0105**	**13722**	**29°47'58"**	**101°48'24"**	**TNRCC**	**TX**
08-Feb-93	W	*C.dubia 7-day*	○	0	0	○	21.4	21.6			7	8.0	152	362	1240	< 0.1	0.4	
	W	*P.promelas 7-day*	○	3	3						7	8.0	152	362	1240	< 0.1	0.4	
	S	*C.dubia 7-day*	○	0	0	○	20.6	20.4			7	6.9	200	189	530	< 0.1	1.6	
	S	*P.promelas 7-day*	○	0	7						7	6.9	200	189	530	< 0.1	1.6	
2306.02500	**Rio Grande at Mouth of Santa Elena Canyon in Big Bend National Park, at River km 1,424.7**												**2306.0250**	**13228**	**29°10'00"**	**103°33'15"**	**TNRCC**	**TX**
15-Nov-92	W	*C.dubia 7-day*	○	0	0	○	18.4	18.7			7	8.1	194	393	1420	< 0.1	0.2	
	W	*P.promelas 7-day*	○	3	7						7	8.1	194	393	1420	< 0.1	0.2	
	S	*C.dubia 7-day*	○	0	10	○	19.8	18.4			7	7.6	196	169	608	< 0.1	1.8	
	S	*P.promelas 7-day*	○	0	7						7	7.6	196	169	608	< 0.1	1.8	
02-Dec-95	S	*C.dubia 7-day*	○	0	10	○	17.0	18.1			7	7.6	340	251	1074	< 0.2	9.6	
	S	*P.promelas 7-day*	○	3	7						7	7.6	340	251	1074	< 0.2	9.6	
05-Dec-95	W	*C.dubia 7-day*	○	0	0	●	13.9	18.6			7	8.3	200	530	2890	< 0.2	0.5	
	W	*P.promelas 7-day*	○	7	3						7	8.3	200	530	2890	< 0.2	0.5	
01-Nov-98	W	*C.dubia 7-day*	○	3	0	○	20.4	18.4			7	8.5	214	483	1903	< 0.1	0.4	
	W	*P.promelas 7-day*	○	3	0						7	8.5	214	483	1903	< 0.1	0.4	
	S	*C.dubia 7-day*	○	0	0	○	20.0	18.4			7	7.7	198	188	689	< 0.1	0.8	
	S	*P.promelas 7-day*	○	0	0						7	7.7	198	188	689	< 0.1	0.8	
2306.03000	**Rio Grande below Rio Conchos Confluence, 14.4 km Downstream from Presidio/Ojinaga International Bridge, at River km 1,528.5**												**2306.0300**	**13229**	**29°32'00"**	**104°21'00"**	**TNRCC**	**TX**
30-Jan-92	W	*C.dubia 7-day*	○	0	10	○	17.1	16.2			7	8.2	196	237	798	< 0.1	0.5	

Sample Types

W=Water
S=Sediment

● Significant Difference
○ No Significant Difference

Primary Endpoints

Crustaceans - mortality. Algae - decrease or increase in cell numbers.
Fish - mortality, teratogenicity, or abnormal swimming behaviour.

Secondary Endpoints

Average number of young per female - applicable only to *Ceriodaphnia dubia.*
Weight - applicable only to fish larval survival and growth test.

Station	Waterbody Description																			Old Number	Station ID	Latitude	Longitude	County
Date Collected	Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)						
Continued . . .	**Rio Grande below Rio Conchos Confluence, 14.4 km Downstream from Presidio/Ojinaga International Bridge, at River km 1,528.5**																							
30-Jan-92	W	*P.promelas 7-day*	○	7	7						7	8.2	196	237	798	< 0.1	0.5							
20-May-92	W	*C.dubia 7-day*	○	10	0	○	17.3	16.2			7	7.9	160	237	826	< 0.1	0.5							
	W	*P.promelas 7-day*	○	7	7						7	7.9	160	237	826	< 0.1	0.5							
21-Jul-92	W	*C.dubia 7-day*	○	0	10	○	19.6	18.2			7	8.0	124	196	1022	< 0.1	0.5							
	W	*P.promelas 7-day*	○	0	3						7	8.0	124	196	1022	< 0.1	0.5							
20-Aug-92	W	*C.dubia 7-day*	○	0	0	○	17.7	15.7			7	8.1	158	244	1084	< 0.1	0.4							
	W	*P.promelas 7-day*	○	7	0						7	8.1	158	244	1084	< 0.1	0.4							
14-Nov-92	W	*C.dubia 7-day*	○	10	0	○	17.4	18.7			7	8.1	188	380	996	< 0.1	0.4							
	W	*P.promelas 7-day*	○	3	7						7	8.1	188	380	996	< 0.1	0.4							
	S	*C.dubia 7-day*	○	0	10	○	21.5	18.4			7	7.3	207	161	545	< 0.1	0.8							
	S	*P.promelas 7-day*	○	10	7						7	7.3	207	161	545	< 0.1	0.8							
09-Feb-93	S	*C.dubia 7-day*	○	0	0	○	22.2	19.9			7	6.9	201	157	480	< 0.1	1.8							
	S	*P.promelas 7-day*	○	3	7						7	6.9	201	157	480	< 0.1	1.8							
11-Mar-93	W	*C.dubia 7-day*	○	0	0	○	20.6	18.7			7	7.8	131	278	786	< 0.1	0.2							
	W	*P.promelas 7-day*	○	7	3						7	7.8	131	278	786	< 0.1	0.2							
14-Apr-93	S	*C.dubia 7-day*	○	0	0	○	22.6	19.6			7	7.0	174	186	710	< 0.1	1.0							
	S	*P.promelas 7-day*	○	0	3						7	7.0	174	186	710	< 0.1	1.0							
15-Jun-93	W	*C.dubia 7-day*	○	0	0	○	17.5	19.3			7	8.1	167	282	1103	< 0.1	0.4							
	W	*P.promelas 7-day*	◉	30	3						7	8.1	167	282	1103	< 0.1	0.4							
25-Jan-94	W	*C.dubia 7-day*	○	0	0	○	20.0	21.4			7	8.0	175	400	1978	0.1	0.5							
	W	*P.promelas 7-day*	○	7	3						7	8.0	175	400	1978	0.1	0.5							
	S	*C.dubia 7-day*	○	0	0	○	22.3	21.1			7	7.1	181	175	787	< 0.1	1.9							
	S	*P.promelas 7-day*	○	0	3						7	7.1	181	175	787	< 0.1	1.9							
10-Oct-94	W	*C.dubia 7-day*	○	0	0	○	20.7	19.0			7	7.9	78	549	2440	< 0.2	0.5							
	W	*P.promelas 7-day*	○	3	3						7	7.9	78	549	2440	< 0.2	0.5							
	S	*C.dubia 7-day*	◉	100	0	○					1	7.3	279	221	805	< 0.1	1.6							
	S	*P.promelas 7-day*	○	13	3						7	7.3	279	221	805	< 0.1	1.6							
17-Apr-95	W	*C.dubia 7-day*	○	0	0	○	20.2	18.4			7	7.8	238	235	3920	0.1	0.5							
	W	*P.promelas 7-day*	○	3	7						7	7.8	238	235	3920	0.1	0.5							
	S	*C.dubia 7-day*	○	0	0	○	21.4	18.4			7	7.5	216	162	1060	< 0.1	1.4							
	S	*P.promelas 7-day*	○	3	7						7	7.5	216	162	1060	< 0.1	1.4							
17-Jul-95	W	*C.dubia 7-day*	○	0	20	○	20.3	14.1			7	8.1	242	431	2030	< 0.2	0.2							
	W	*P.promelas 7-day*	○	0	3						7	8.1	242	431	2030	< 0.2	0.2							
	S	*C.dubia 7-day*	○	0	20	○	19.7	14.1			7	7.8	218	160	943	< 0.2	1.7							
	S	*P.promelas 7-day*	○	0	3						7	7.8	218	160	943	< 0.2	1.7							
16-Oct-95	W	*C.dubia 7-day*	○	0	0	○	23.3	17.3			7	8.0	195	470	2540	< 0.2	< 0.1							
	W	*P.promelas 7-day*	○	0	7						7	8.0	195	470	2540	< 0.2	< 0.1							
	S	*C.dubia 7-day*	○	0	0	○	22.8	17.3			7	7.9	264	183	852	< 0.2	2.4							

Sample Types

W=Water
S=Sediment

◉ Significant Difference
○ No Significant Difference

Primary Endpoints

Crustaceans - mortality. Algae - decrease or increase in cell numbers.
Fish - mortality, teratogenicity, or abnormal swimming behaviour.

Secondary Endpoints

Average number of young per female - applicable only to *Ceriodaphnia dubia.*
Weight - applicable only to fish larval survival and growth test.

Station	Waterbody Description																											
Date Collected	Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)										
Continued . . .	**Rio Grande below Rio Conchos Confluence, 14.4 km Downstream from Presidio/Ojinaga International Bridge, at River km 1,528.5**																											
16-Oct-95	S	*P.promelas 7-day*	○	7	7						7	7.9	264	183	852	<	0.2	2.4										
02-Dec-95	S	*C.dubia 7-day*	○	0	10	○	19.2	18.1			7	7.6	372	294	965	<	0.2	6.0										
	S	*P.promelas 7-day*	○	3	7						7	7.6	372	294	965	<	0.2	6.0										
05-Dec-95	W	*C.dubia 7-day*	○	0	0	◉	13.0	18.6			7	8.2	248	586	2940	<	0.2	0.5										
	W	*P.promelas 7-day*	○	7	3						7	8.2	248	586	2940	<	0.2	0.5										
08-Apr-96	W	*C.dubia 7-day*	○	0	0	○	19.6	17.0			7	7.9	248	381	4180	<	0.2	0.2										
	W	*P.promelas 7-day*	○	0	0						7	7.9	248	381	4180	<	0.2	0.2										
	S	*P.promelas 7-day*	○	3	0						7	7.7	370	216	1118	<	0.2	0.8										
29-Jul-96	W	*C.dubia 7-day*	○	0	20	○	18.6	17.9			7	7.5	216	476	3290	<	0.2	0.5										
	W	*P.promelas 7-day*	○	3	0						7	7.5	216	476	3290	<	0.2	0.5										
	S	*C.dubia 7-day*	○	0	20	○	18.1	17.9			7	7.5	178	130	806	<	0.2	1.9										
	S	*P.promelas 7-day*	○	0	0						7	7.5	178	130	806	<	0.2	1.9										
15-Apr-97	W	*C.dubia 7-day*	○	0	0	○	16.1	17.9			7	8.0	40	723	3200	<	0.1	0.5										
	W	*P.promelas 7-day*	○	0	0						7	8.0	40	723	3200	<	0.1	0.5										
	S	*C.dubia 7-day*	○	0	0	○	16.1	16.3			7	7.7	58	281	954	<	0.1	1.3										
	S	*P.promelas 7-day*	○	10	3						7	7.7	58	281	954	<	0.1	1.3										
01-Nov-98	W	*C.dubia 7-day*	○	0	0	○	18.2	17.9			7	8.2	232	488	1850	<	0.1	0.6										
	W	*P.promelas 7-day*	○	10	3						7	8.2	232	488	1850	<	0.1	0.6										
	S	*C.dubia 7-day*	○	0	0	○	20.8	18.4			7	7.5	273	228	602	<	0.1	1.8										
	S	*P.promelas 7-day*	○	0	0						7	7.5	273	228	602	<	0.1	1.8										
02-Feb-00	W	*C.dubia 7-day*	○	0	0	○	20.1	17.8			7	8.3	238	600	2530	<	0.1	0.4										
	W	*P.promelas 7-day*	○	3	0						7	8.3	238	600	2530	<	0.1	0.4										
25-Jul-00	W	*C.dubia 7-day*	○	0	0	◉	14.9	17.5			7	8.1	173	576	1790	<	0.1	0.2										
	W	*P.promelas 7-day*	○	0	7						7	8.1	173	576	1790	<	0.1	0.2										
13-Dec-00	W	*C.dubia 7-day*	○	0	0	○	18.5	16.7			7	8.4	264	651	2230	<	0.1	0.6										
30-Jul-01	W	*C.dubia 7-day*	○	0	0	◉	15.2	16.9			7	7.4	140	416	1906		0.1	0.8										
	W	*P.promelas 7-day*	○	0	3						7	7.4	140	416	1906		0.1	0.8										
24-Apr-02	W	*C.dubia 4-day*	○	0	0						4	8.2	205	789	4220		0.4	0.2										
	W	*P.promelas 4-day*	◉	50	2.5						4	8.2	205	789	4220		0.4	0.2										
2307.00600	**Rio Grande 5.0 km Upstream from Rio Conchos Confluence near Presidio, at River km 1,552.2**												***2307.0060***	***13721***	***29°32'00"***	***104°21'00"***			***TNRCC***	***TX***								
13-Nov-92	W	*C.dubia 7-day*	○	0	0	○	19.3	18.7			7	8.3	235	588	2440	<	0.1	1.0										
	W	*P.promelas 7-day*	○	0	7						7	8.3	235	588	2440	<	0.1	1.0										
	S	*C.dubia 7-day*	○	0	10	○	18.2	18.4			7	7.5	251	181	565	<	0.1	2.4										
	S	*P.promelas 7-day*	○	3	7						7	7.5	251	181	565	<	0.1	2.4										
02-Dec-95	S	*C.dubia 7-day*	○	0	10	○	19.9	18.1			7	7.8	350	303	1053	<	0.2	6.0										
	S	*P.promelas 7-day*	○	10	7						7	7.8	350	303	1053	<	0.2	6.0										
05-Dec-95	W	*C.dubia 7-day*	○	0	0	○	15.7	18.6			7	8.1	250	574	2860	<	0.2	0.3										
	W	*P.promelas 7-day*	○	3	3						7	8.1	250	574	2860	<	0.2	0.3										

Sample Types

W=Water
S=Sediment

◉ Significant Difference
○ No Significant Difference

Primary Endpoints

Crustaceans - mortality. Algae - decrease or increase in cell numbers.
Fish - mortality, teratogenicity, or abnormal swimming behaviour.

Secondary Endpoints

Average number of young per female - applicable only to *Ceriodaphnia dubia.*
Weight - applicable only to fish larval survival and growth test.

Date Collected	Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)
Station	***Waterbody Description***												***Old Number***	***Station ID***	***Latitude***	***Longitude***	***County***	
Continued . . .	**Rio Grande 5.0 km Upstream from Rio Conchos Confluence near Presidio, at River km 1,552.2**																	
01-Nov-98	W	*C.dubia 7-day*	○	0	0	○	17.8	17.9			7	8.3	240	478	1870	< 0.1	0.5	
	W	*P.promelas 7-day*	○	0	3						7	8.3	240	478	1870	< 0.1	0.5	
	S	*C.dubia 7-day*	○	0	0	○	20.0	18.4			7	8.1	158	138	577	0.1	0.7	
	S	*P.promelas 7-day*	○	7	0						7	8.1	158	138	577	0.1	0.7	
2307.01800	**Rio Grande Bridge off US 80 - IH 10 at Fort Hancock Port of Entry**												**2307.0180**	**13233**	**31°16'48"**	**105°51'00"**	***TNRCC***	***TX***
18-Nov-96	W	*C.dubia 7-day*	○	0	0	○	17.7	16.1			7	7.9	288	567	3310	< 0.2	7.2	
	W	*P.promelas 7-day*	○	0	3						7	7.9	288	567	3310	< 0.2	7.2	
	S	*C.dubia 7-day*	○	0	0	○	14.7	16.1			7	8.6	244	247	898	< 0.2	2.4	
	S	*P.promelas 7-day*	○	13	3						7	8.6	244	247	898	< 0.2	2.4	
2308.00000	**Rio Grande below Haskell WWTP**													**TNRCC5**			***TNRCC***	***TX***
18-Nov-96	W	*C.dubia 7-day*	●	100	0	○					7	7.4	244	338	2490	< 0.1	22.8	
	W	*P.promelas 7-day*	●	20	3						7	7.4	244	338	2490	< 0.1	22.8	
	S	*C.dubia 7-day*	○	0	0	●	12.0	16.1			7	7.5	320	234	811			
	S	*P.promelas 7-day*	●	100	3						7	7.5	320	234	811			
2308.00500	**Rio Grande at Zaragosa International Bridge in El Paso, at River km 1,992.8**												**2308.0050**	**13234**	**31°40'00"**	**106°20'00"**	***TNRCC***	***TX***
14-Apr-92	W	*C.dubia 7-day*	○	10	0	●	10.8	18.2			7	8.0	184	253	184	< 0.1	3.0	
	W	*P.promelas 7-day*	○	10	3						7	8.0	184	253	184	< 0.1	3.0	
01-Sep-92	W	*C.dubia 7-day*	●	40	0	○	12.8	15.3			7	7.7	164	256	870	< 0.1	0.9	
	W	*P.promelas 7-day*	○	13	3						7	7.7	164	256	870	< 0.1	0.9	
11-Nov-92	W	*C.dubia 7-day*	○	0	0	○	15.9	18.7			7	7.3	217	388	1470	< 0.1	3.0	
	W	*P.promelas 7-day*	○	10	7						7	7.3	217	388	1470	< 0.1	3.0	
	S	*C.dubia 7-day*	○	0	10	○	18.9	18.4			7	6.8	226	199	548	< 0.1	3.1	
	S	*P.promelas 7-day*	○	10	7						7	6.8	226	199	548	< 0.1	3.1	
23-Feb-93	W	*C.dubia 7-day*	○	0	0	○	20.1	20.8			7	7.4	181	298	1066	< 0.1	1.9	
	W	*P.promelas 7-day*	○	0	0						7	7.4	181	298	1066	< 0.1	1.9	
22-Jun-93	W	*C.dubia 7-day*	○	0	0	○	21.9	18.6			7	7.7	171	155	587	0.2	0.1	
	W	*P.promelas 7-day*	○	7	3						7	7.7	171	155	587	0.2	0.1	
	S	*C.dubia 7-day*	○	0	0	○	20.3	20.0			7	8.0	173	242	967	< 0.1	1.6	
	S	*P.promelas 7-day*	○	7	0						7	8.0	173	242	967	< 0.1	1.6	
20-Jul-93	W	*C.dubia 7-day*	○	0	0	○	21.0	20.2			7	7.7	173	225	1027	0.1	1.8	
	W	*P.promelas 7-day*	○	3	3						7	7.7	173	225	1027	0.1	1.8	
	S	*C.dubia 7-day*	○	0	10	○	19.9	18.4			7	7.4	124	112	471	< 0.1	3.6	
	S	*P.promelas 7-day*	○	3	3						7	7.4	124	112	471	< 0.1	3.6	
28-Sep-93	W	*C.dubia 7-day*	○	0	0	○	19.1	16.3			7	7.8	182	267	1230	0.2	0.4	
	W	*P.promelas 7-day*	○	7	0						7	7.8	182	267	1230	0.2	0.4	
	S	*C.dubia 7-day*	○	0	0	●	17.7	19.9			7	7.7	169	146	575	0.1	1.4	
	S	*P.promelas 7-day*	○	0	3						7	7.7	169	146	575	0.1	1.4	

Sample Types

W=Water ● Significant Difference

S=Sediment ○ No Significant Difference

Primary Endpoints

Crustaceans - mortality. Algae - decrease or increase in cell numbers.

Fish - mortality, teratogenicity, or abnormal swimming behaviour.

Secondary Endpoints

Average number of young per female - applicable only to *Ceriodaphnia dubia.*

Weight - applicable only to fish larval survival and growth test.

Station	Waterbody Description																			Old Number	Station ID	Latitude	Longitude	County	
Date Collected	Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)							
Continued . . .	**Rio Grande at Zaragosa International Bridge in El Paso, at River km 1,992.8**																								
15-Mar-94	W	*C.dubia 7-day*	○	0	0	○	23.3	19.3			7	7.5	133	192	869	<	0.1	1.8							
	W	*P.promelas 7-day*	○	0	3						7	7.5	133	192	869	<	0.1	1.8							
	S	*C.dubia 7-day*	○	0	0	○	22.6	19.3			7	7.3	181	108	643	<	0.1	0.4							
	S	*P.promelas 7-day*	○	0	3						7	7.3	181	108	643	<	0.1	0.4							
02-Dec-95	W	*C.dubia 7-day*	○	0	0	○	20.3	18.4			7	8.0	230	413	2190	<	0.2	2.2							
	W	*P.promelas 7-day*	○	3	3						7	8.0	230	413	2190	<	0.2	2.2							
	S	*C.dubia 7-day*	○	0	10	○	19.1	18.1			7	7.5	380	286	915	<	0.2	15.6							
	S	*P.promelas 7-day*	●	100	7						7	7.5	380	286	915	<	0.2	15.6							
08-May-96	W	*C.dubia 7-day*	○	30	0	●	14.0	16.1			7	8.2	160	221	895	<	0.2	0.6							
	W	*P.promelas 7-day*	○	0	3						7	8.2	160	221	895	<	0.2	0.6							
	S	*P.promelas 7-day*	○	7	3						7	8.0	216	173	563	<	0.2	3.6							
25-Jun-96	W	*C.dubia 7-day*	○	0	0	○	17.6	15.1			7	8.4	180	199	939	<	0.2	0.8							
	W	*P.promelas 7-day*	○	10	13						7	8.4	180	199	939	<	0.2	0.8							
	S	*C.dubia 7-day*	○	0	0	○	18.9	17.6			7	7.7	216	182	619	<	0.2	3.4							
	S	*P.promelas 7-day*	○	0	3						7	7.7	216	182	619	<	0.2	3.4							
01-Nov-98	W	*C.dubia 7-day*	○	0	0	○	20.0	17.9			7	8.1	244	375	1420	<	0.1	1.9							
	W	*P.promelas 7-day*	○	0	3						7	8.1	244	375	1420	<	0.1	1.9							
	S	*C.dubia 7-day*	○	0	0	○	20.0	17.9			7	7.9	223	236	657		0.1	0.5							
	S	*P.promelas 7-day*	○	7	3						7	7.9	223	236	657		0.1	0.5							
2308.03500	**Rio Grande/Rio Bravo upstream from El Paso Haskell Street WWTP**												**2308.0350**		**15529**	**31°45'36"**		**106°27'57"**		***TNRCC***		***TX***			
02-Dec-95	W	*C.dubia 7-day*	○	0	0	○	19.0	18.4			7	8.2	236	439	2170	<	0.2	0.1							
	W	*P.promelas 7-day*	○	7	3						7	8.2	236	439	2170	<	0.2	0.1							
	S	*C.dubia 7-day*	○	0	10	○	18.8	18.1			7	7.4	346	286	824	<	0.2	4.6							
	S	*P.promelas 7-day*	○	0	7						7	7.4	346	286	824	<	0.2	4.6							
2309.01000	**Devils River at Pafford Crossing 18.5 km East of Comstock**												**2309.0100**		**13237**	**29°41'00"**		**101°00'00"**		***TNRCC***		***TX***			
09-Feb-93	W	*C.dubia 7-day*	○	0	0	●	16.0	21.6			7	7.9	175	213	390	<	0.1	0.4							
	W	*P.promelas 7-day*	○	7	3						7	7.9	175	213	390	<	0.1	0.4							
	S	*C.dubia 7-day*	○	0	0	●	16.1	20.4			7	7.2	418	282	485	<	0.1	3.4							
	S	*P.promelas 7-day*	○	17	7						7	7.2	418	282	485	<	0.1	3.4							
2310.01000	**Pecos River at Shumla Bend 12.1 km East of Langtry**												**2310.0100**		**13240**	**29°48'10"**		**101°27'45"**		***TNRCC***		***TX***			
08-Feb-93	W	*C.dubia 7-day*	○	0	0	●	5.4	21.6			7	7.8	150	887	3750	<	0.1	0.6							
	W	*P.promelas 7-day*	○	7	3						7	7.8	150	887	3750	<	0.1	0.6							
	S	*C.dubia 7-day*	○	0	0	○	25.5	20.4			7	6.9	245	238	891	<	0.1	3.1							
	S	*P.promelas 7-day*	○	0	7						7	6.9	245	238	891	<	0.1	3.1							
2313.03500	**San Felipe Creek at Silos Farm Road Bridge, 1.8 km Upstream from the Mouth and 3.2 km South-Southeast of Del Rio**												**2313.0350**		**13270**	**29°19'51"**		**100°53'21"**		***TNRCC***		***TX***			
09-Feb-93	W	*C.dubia 7-day*	○	0	0	●	15.3	21.6			7	7.7	184	233	457	<	0.1	0.4							

Sample Types

W=Water
S=Sediment

● Significant Difference
○ No Significant Difference

Primary Endpoints

Crustaceans - mortality. Algae - decrease or increase in cell numbers.
Fish - mortality, teratogenicity, or abnormal swimming behaviour.

Secondary Endpoints

Average number of young per female - applicable only to *Ceriodaphnia dubia.*
Weight - applicable only to fish larval survival and growth test.

Station	Waterbody Description																			Old Number	Station ID	Latitude	Longitude	County	
Date Collected	Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)							
Continued . . .	**San Felipe Creek at Silos Farm Road Bridge, 1.8 km Upstream from the Mouth and 3.2 km South-Southeast of Del Rio**																								
09-Feb-93	W	*P.promelas 7-day*	○	7	3						7	7.7	184	233	457	< 0.1	0.4								
	S	*C.dubia 7-day*	○	0	0	○	19.8	20.4			7	7.3	272	242	579	< 0.1	6.6								
	S	*P.promelas 7-day*	○	10	7						7	7.3	272	242	579	< 0.1	6.6								
15-May-95	W	*C.dubia 7-day*	○	10	10	○	19.4	18.4			7	8.0	232	240	534	< 0.2	0.4								
	W	*P.promelas 7-day*	○	10	7						7	8.0	232	240	534	< 0.2	0.4								
	S	*C.dubia 7-day*	○	10	0	○	18.8	19.7			7	7.5	236	240	637	< 0.2	2.6								
	S	*P.promelas 7-day*	○	0	3						7	7.5	236	240	637	< 0.2	2.6								
2313.04000	**San Felipe Creek at US 277 in Del Rio**																				**13271**	**29°21'15"**	**100°53'00"**	***TNRCC***	***TX***
15-May-95	W	*C.dubia 7-day*	○	0	10	○	17.4	18.4			7	7.7	198	228	567	< 0.2	0.4								
	W	*P.promelas 7-day*	○	3	7						7	7.7	198	228	567	< 0.2	0.4								
	S	*C.dubia 7-day*	○	0	0	○	18.3	19.7			7	9.1	98	156	418	< 0.2	3.6								
	S	*P.promelas 7-day*	○	7	3						7	9.1	98	156	418	< 0.2	3.6								
08-Oct-96	W	*C.dubia 7-day*	○	30	0	●	9.2	15.1			7	7.9	208	234	496	< 0.2	0.1								
	W	*P.promelas 7-day*	○	10	0						7	7.9	208	234	496	< 0.2	0.1								
	S	*C.dubia 7-day*	○	0	0	○	16.1	17.9			7	7.6	266	247	677	< 0.2	6.0								
	S	*P.promelas 7-day*	○	0	0						7	7.6	266	247	677	< 0.2	6.0								
2313	**San Felipe Creek at Academy Street in Del Rio**																				**16377**	**29°19'46"**	**100°54'23"**	***TNRCC***	***TX***
15-May-95	W	*C.dubia 7-day*	○	10	10	○	15.3	18.4			7	8.1	200	228	511	< 0.2	0.2								
	W	*P.promelas 7-day*	○	0	7						7	8.1	200	228	511	< 0.2	0.2								
	S	*C.dubia 7-day*	○	0	0	○	20.2	19.7			7	7.5	260	260	651	< 0.2	3.4								
	S	*P.promelas 7-day*	○	3	3						7	7.5	260	260	651	< 0.2	3.4								
08-Oct-96	W	*C.dubia 7-day*	○	10	0	●	11.4	15.1			7	8.2	208	229	502	< 0.1	0.1								
	W	*P.promelas 7-day*	○	0	0						7	8.2	208	229	502	< 0.1	0.1								
	S	*C.dubia 7-day*	○	0	0	○	19.6	17.9			7	7.8	264	234	650	< 0.1	7.2								
	S	*P.promelas 7-day*	○	0	0						7	7.8	264	234	650	< 0.1	7.2								
2313	**San Felipe Creek on Vic Bolner Property**																				**16378**	**29°21'12"**	**100°53'45"**	***TNRCC***	***TX***
08-Oct-96	W	*C.dubia 7-day*	○	20	0	●	11.8	15.1			7	8.1	210	247	556	< 0.2	0.5								
	W	*P.promelas 7-day*	○	7	0						7	8.1	210	247	556	< 0.2	0.5								
	S	*C.dubia 7-day*	○	0	0	○	18.5	17.9			7	7.9	234	229	634	< 0.2	3.5								
	S	*P.promelas 7-day*	○	7	0						7	7.9	234	229	634	< 0.2	3.5								
2314.01000	**Rio Grande at Courchesne Bridge (Hwy 273) in El Paso, 2.7 km Upstream from American Dam, at River km 2,020.8**																			**2314.0100**	**13272**	**31°48'10"**	**106°32'25"**	***TNRCC***	***TX***
12-Nov-92	W	*C.dubia 7-day*	●	100	0	○		18.7			7	8.4	238	425	1190	< 0.1	0.2								
	W	*P.promelas 7-day*	○	0	7						7	8.4	238	425	1190	< 0.1	0.2								
	S	*C.dubia 7-day*	○	0	10	○	19.5	18.4			7	7.2	215	227	640	< 0.1	0.9								
	S	*P.promelas 7-day*	○	0	7						7	7.2	215	227	640	< 0.1	0.9								
22-Jun-93	W	*C.dubia 7-day*	○	0	0	○	21.7	18.6			7	8.4	182	258	993	< 0.1	1.2								

Sample Types

W=Water
S=Sediment

● Significant Difference
○ No Significant Difference

Primary Endpoints

Crustaceans - mortality. Algae - decrease or increase in cell numbers.
Fish - mortality, teratogenicity, or abnormal swimming behaviour.

Secondary Endpoints

Average number of young per female - applicable only to *Ceriodaphnia dubia.*
Weight - applicable only to fish larval survival and growth test.

Station	Waterbody Description												Old Number	Station ID	Latitude	Longitude	County	
Date Collected	**Sample Type**	**Test Tyoe**	**Primary Endpoint**	**Test Percent Affected**	**Control Percent Affected**	**Secondary Endpoint**	**Test YPF**	**Control YPF**	**Test Weight (mg)**	**Control Weight (mg)**	**Test Duration (Days)**	**pH (S.U.)**	**Alkalinity (mg/L)**	**Hardness (mg/L)**	**Conductivity (umhos/cm)**	**Total Chlorine (mg/L)**	**Total Ammonia-N (mg/L)**	**Unionized Ammonia-N (mg/l)**
Continued . . .	**Rio Grande at Courchesne Bridge (Hwy 273) in El Paso, 2.7 km Upstream from American Dam, at River km 2,020.8**																	
22-Jun-93	W	*P.promelas 7-day*	○	0	3						7	8.4	182	258	993	< 0.1	1.2	
28-Sep-93	W	*C.dubia 7-day*	○	0	0	○	19.7	16.3			7	8.3	194	296	1251	< 0.1	0.1	
	W	*P.promelas 7-day*	○	7	0						7	8.3	194	296	1251	< 0.1	0.1	
	S	*C.dubia 7-day*	○	0	0	○	15.8	18.2			7	7.6	228	146	954	< 0.1	9.6	
	S	*P.promelas 7-day*	○	3	3						7	7.6	228	146	954	< 0.1	9.6	
15-Mar-94	W	*C.dubia 7-day*	○	0	0	○	21.5	19.8			7	7.1	137	204	857	< 0.1	0.2	
	W	*P.promelas 7-day*	○	7	3						7	7.1	137	204	857	< 0.1	0.2	
	S	*C.dubia 7-day*	○	0	0	○	21.8	19.8			7	7.4	226	321	1448	< 0.1	0.6	
	S	*P.promelas 7-day*	○	0	3						7	7.4	226	321	1448	< 0.1	0.6	
02-Dec-95	W	*C.dubia 7-day*	○	0	0	○	17.1	18.4			7	8.1	246	474	2380	< 0.2	0.5	
	W	*P.promelas 7-day*	○	7	3						7	8.1	246	474	2380	< 0.2	0.5	
	S	*C.dubia 7-day*	○	0	10	○	19.5	18.1			7	7.6	328	260	784	< 0.2	3.6	
	S	*P.promelas 7-day*	○	7	7						7	7.6	328	260	784	< 0.2	3.6	
08-May-96	W	*C.dubia 7-day*	○	0	0	◉	14.6	16.1			7	8.4	176	260	1047	< 0.2	0.6	
	W	*P.promelas 7-day*	○	7	3						7	8.4	176	260	1047	< 0.2	0.6	
	S	*P.promelas 7-day*	○	0	3						7	8.1	206	182	568	< 0.2	2.5	
26-Aug-96	W	*C.dubia 7-day*	○	0	0	○	17.5	16.3			7	8.0	172	229	1091	0.3	0.4	
	W	*P.promelas 7-day*	○	0	7						7	8.0	172	229	1091	0.3	0.4	
	S	*C.dubia 7-day*	○	10	0	○	17.3	16.3			7	7.7	160	164	631	< 0.2	1.4	
	S	*P.promelas 7-day*	○	7	0						7	7.7	160	164	631	< 0.2	1.4	
01-Nov-98	W	*C.dubia 7-day*	○	0	0	○	19.9	17.9			7	8.4	255	396	1400	< 0.1	0.7	
	W	*P.promelas 7-day*	○	0	3						7	8.4	255	396	1400	< 0.1	0.7	
	S	*C.dubia 7-day*	○	0	0	○	19.9	17.9			7	8.1	164	228	668	< 0.1	0.6	
	S	*P.promelas 7-day*	○	3	3						7	8.1	164	228	668	< 0.1	0.6	
2421.07000	**Upper Galveston Bay at Houston Ship Channel Marker 75/76**												**2421.0700**	**13307**	**29°36'22"**	**94°57'07"**	***TNRCC***	***TX***
21-Oct-94	W	*C.dubia 7-day*	○	0	0	◉	12.4	18.7			7	7.3	44	98	200	< 0.1	0.6	
	W	*P.promelas 7-day*	○	7	7						7	7.3	44	98	200	< 0.1	0.6	
2422.02500	**Trinity Bay at Umbrella Point, 100 Meters from Shoreline**													**14429**	**29°40'45"**	**95°51'59"**	***TNRCC***	***TX***
11-Jan-89	W	*C.variegatus 9-day*	○	5	5						9	7.9			26100	< 0.1	0.8	
	S	*C.variegatus 9-day*	○	10	5						9	7.5			36700	< 0.1	0.6	
2423.00000	**East Bay Bayou 230 m Upstream of Intracoastal Waterway, 2.1 km W of SH 124**													**13561**	**29°36'10"**	**94°24'45"**	***TNRCC***	***TX***
01-Dec-92	W	*C.variegatus 9-day*	○	0	3						9	7.7	63	2000	13170	< 0.1	1.9	
25-May-93	W	*C.variegatus 9-day*	○	3	7						9	6.7	38	583	534	< 0.1	0.6	
10-Jul-93	S	*C.variegatus 9-day*	○	7	10						9	6.8	93	2244	22200	< 0.1	14.4	
2424.00000	**Highland Bayou Diversion Canal 200 Yds from Confluence with Jones Bay**													**13777**	**29°17'24"**	**94°57'00"**	***TNRCC***	***TX***
30-Apr-96	S	*C.variegatus 9-day*	○	0	3						9	7.5	140		27600	< 0.2	72.0	

Sample Types

W=Water
S=Sediment

◉ Significant Difference
○ No Significant Difference

Primary Endpoints

Crustaceans - mortality. Algae - decrease or increase in cell numbers.
Fish - mortality, teratogenicity, or abnormal swimming behaviour.

Secondary Endpoints

Average number of young per female - applicable only to *Ceriodaphnia dubia.*
Weight - applicable only to fish larval survival and growth test.

Station / Date Collected	Waterbody Description / Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)
2424.01000	**West Bay at Carancahua Reef**														**13325**	**29°12'36"**	**95°00'00"**	***TNRCC*** ***TX***
30-Apr-96	S	*C.variegatus 9-day*	○	7	3						9	7.5	98		27600	< 0.2	12.0	
2434.01000	**Christmas Bay Midway Between Christmas Point and Rattlesnake Point**												**2434.0100**		**13350**	**29°03'30"**	**95°11'10"**	***TNRCC*** ***TX***
30-Sep-92	W	*C.variegatus 9-day*	○	3	3						8	7.7	128		32800	< 0.1	0.6	
10-Dec-92	W	*C.variegatus 9-day*	○	7	0						9	7.7	103	2000	34100	< 0.1	0.5	< 0.1
11-Mar-93	W	*C.variegatus 9-day*	○	0	3						9	7.9	103	2016	21200	< 0.1	0.1	
18-Jun-93	W	*C.variegatus 9-day*	○	0	7						9	7.6	95	2996	28200	< 0.1	3.0	
09-Sep-93	W	*C.variegatus 9-day*	○	7	3						9	8.2	116	2180	47700	< 0.1	4.8	
07-Dec-93	S	*C.variegatus 9-day*	○	0	3						9	7.4	105		25800	< 0.1	0.2	
21-Mar-94	W	*C.variegatus 9-day*	○	7	7						9	7.8	120		36700	< 0.1	6.0	
23-Jun-94	S	*C.variegatus 9-day*	○	0	3						9	8.0	76		31500	< 0.1	0.7	
2437.00000	**Texas City Pump Canal-Middle 1 Mile East of Loop 197**														**15300**	**29°21'20"**	**94°54'22"**	***TNRCC*** ***TX***
30-Apr-96	S	*C.variegatus 9-day*	○	3	3						9	7.8	316		27000	< 0.2	48.0	
2453.02500	**Lavaca Bay 152 Meters SSW of Channel Marker 22 in Red Bluff Channel**												**2453.0250**		**13563**	**28°40'48"**	**96°34'48"**	***TNRCC*** ***TX***
20-Aug-96	W	*C.variegatus 9-day*	○	7	0						9	7.6	90		36900	< 0.2	0.4	
	S	*C.variegatus 9-day*	○	0	0						9	6.9	124		31100	< 0.2	3.5	
2453.03000	**Lavaca Bay at Alcoa Ship Channel Off-Loading Dock**												**2453.0300**		**13385**	**28°39'36"**	**96°34'57"**	***TNRCC*** ***TX***
28-Feb-94	W	*C.variegatus 9-day*	○	0	0						9	7.7	105		37400	< 0.1	0.6	
	S	*C.variegatus 9-day*	○	3	3						9	7.2	203		25100	< 0.1	19.2	
04-Aug-94	W	*C.variegatus 9-day*	○	7	3						9	7.7	128		32500	< 0.1	7.2	
	S	*C.variegatus 9-day*	○	3	3						9	7.5	227		33400	< 0.1	18.0	
02-May-95	W	*C.variegatus 9-day*	○	3	7						9	8.0	96		25100	< 0.1	8.4	
	S	*C.variegatus 9-day*	○	0	7						9	7.4	170		34100	0.2	13.2	
16-Aug-95	W	*C.variegatus 9-day*	○	3	7						9	8.1	112		33600	< 0.2	6.0	
	S	*C.variegatus 9-day*	○	0	7						9	7.6	264		28400	< 0.2	15.6	
15-Feb-96	W	*C.variegatus 9-day*	○	3	7						9	7.9	170		29000	< 0.2	0.2	
	S	*C.variegatus 9-day*	○	0	0						9	7.4	122		25350	< 0.2	2.9	
2483.00000	**Conn Brown Harbor**												**2400.0200**		**13287**	**27°53'60"**	**97°09'00"**	***TNRCC*** ***TX***
17-Apr-96	W	*C.variegatus 9-day*	○	0	3						9	8.1	126		45800	< 0.2	0.2	
	S	*C.variegatus 9-day*	◉	47	3						9	7.4	470		30600	< 0.2	43.2	
27-Aug-96	W	*C.variegatus 9-day*	○	10	0						9	7.5	108		50700	< 0.2	1.4	
	S	*C.variegatus 9-day*	○	3	0						9	7.1	210		33700	< 0.2	9.6	
2484.01000	**Corpus Christi Inner Harbor in Avery Turning Basin**												**2484.0100**		**13430**	**27°49'13"**	**97°25'44"**	***TNRCC*** ***TX***
23-Feb-94	W	*C.variegatus 9-day*	○	3	0						9	7.8	124		41800	< 0.1	0.5	
	S	*C.variegatus 9-day*	○	7	3						9	7.8	194		29200	< 0.1	20.4	

Sample Types

W=Water
S=Sediment

◉ Significant Difference
○ No Significant Difference

Primary Endpoints

Crustaceans - mortality. Algae - decrease or increase in cell numbers.
Fish - mortality, teratogenicity, or abnormal swimming behaviour.

Secondary Endpoints

Average number of young per female - applicable only to *Ceriodaphnia dubia.*
Weight - applicable only to fish larval survival and growth test.

Station	Waterbody Description																												
Continued . . .	**Corpus Christi Inner Harbor in Avery Turning Basin**																												
06-Dec-94	W	*C.variegatus 9-day*	◯	0	3						9	7.3	116		41900	<	0.1	7.2											
	S	*C.variegatus 9-day*	◯	7	3						9	8.0	86		28900	<	0.1	6.0											
12-Jul-95	W	*C.variegatus 9-day*	◯	0	7						9	7.8	126		47600	<	0.2	6.0											
	S	*C.variegatus 9-day*	◯	3	7						9	7.4	188		35300	<	0.2	15.6											
2484.02000	**Corpus Christi Inner Harbor near Navigation Boulevard Draw Bridge**												**2484.0200**		**13432**	**27°49'10"**		**97°27'00"**			***TNRCC***		***TX***						
23-Feb-93	W	*C.variegatus 9-day*	◯	0	3						9	7.7	106	2016	37200	<	0.1	0.4				<	0.1						
	S	*C.variegatus 9-day*	◯	0	3						9	7.6	127	2016	22400	<	0.1	3.6				<	0.1						
23-Aug-93	W	*C.variegatus 9-day*	◯	17	7						9	7.9	99	2000	41700		0.2	3.6											
	S	*C.variegatus 9-day*	◯	10	7						9	8.3	163	2000	29600		0.1	15.6											
25-Aug-98	W	*C.variegatus 9-day*	◯	0	0						9	8.1	110		50800		0.1	2.7											
	S	*C.variegatus 9-day*	◯	7	3						9	7.2	144		20600	<	0.1	8.7											
GULF.TMP1	**Gulf of Mexico approximately 1 Mile Offshore of Sea Rim State Park Beach**														**TPWD1**	**29°39'39"**		**94°02'05"**			***TPWD***		***TX***						
09-May-94	W	*C.variegatus 9-day*	◯	3	3						9	8.2	99	99	19800	<	0.1	2.4											
	W	*C.variegatus 9-day*	◯	0	3						9	8.3	44		20100	<	0.1	3.6											

Station	Date Collected	Sample Type	Test Tyoe	Primary Endpoint	Test Percent Affected	Control Percent Affected	Secondary Endpoint	Test YPF	Control YPF	Test Weight (mg)	Control Weight (mg)	Test Duration (Days)	pH (S.U.)	Alkalinity (mg/L)	Hardness (mg/L)	Conductivity (umhos/cm)	Total Chlorine (mg/L)	Total Ammonia-N (mg/L)	Unionized Ammonia-N (mg/l)
Old Number	Station ID	Latitude	Longitude	County															

Sample Types

W=Water
S=Sediment

◉ Significant Difference
◯ No Significant Difference

Primary Endpoints

Crustaceans - mortality. Algae - decrease or increase in cell numbers.
Fish - mortality, teratogenicity, or abnormal swimming behaviour.

Secondary Endpoints

Average number of young per female - applicable only to *Ceriodaphnia dubia.*
Weight - applicable only to fish larval survival and growth test.