

Table 7-1. Sensitive Areas Along the Longhorn Pipeline

Begin Mile	End Mile	Length (mile)	Sensitivity Factors	Drinking Water		Human Population	Sensitive Species	Recreation
				Ground Water	Surface Water			
1.2	1.8	0.6	P1			X		
2.6	3.9	1.3	P1			X		
4	4.7	0.7	P1, R1			X		X
4.7	5.5	0.8	R1					X
5.5	6.2	0.7	P1			X		
7.4	7.8	0.4	P1			X		
8.3	9.6	1.3	P1			X		
9.6	10.7	1.1	P1, R1			X		X
11.2	26.7	15.5	P1			X		
27.5	33.5	6	P1			X		
35	36.4	1.4	P1			X		
63.85	64.06	0.21	R2					X
74.5	75.1	0.6	P2			X		
123.2	123.9	0.7	P3			X		
124.8	125.2	0.4	P3			X		
125.6	127.5	1.9	GW1	X				
127.5	128.9	1.4	R3, GW7	X				X
128.9	131.3	2.4	GW1	X				
131.3	131.54	0.24	R4, GW1	X				X
131.54	134.38	2.84	GW1	X				
134.38	134.57	0.19	GW1, R5	X				X
134.57	150.7	16.13	GW1	X				
152.2	155	2.8	P4			X		
155	157.4	2.4	GW1	X				
157.4	157.7	0.3	P4, GW1	X		X		
160.7	161.1	0.4	P4			X		
163.44	163.56	0.12	GW1, R4, SW1	X	X			X
163.67	163.86	0.19	GW1, R4	X				X
163.92	164.04	0.12	P5, GW1, R4, SW1	X	X	X		X
164.04	164.1	0.06	P5, GW1	X		X		
164.1	164.17	0.07	P5, GW1, R4, SW1	X	X	X		X
164.17	164.91	0.74	P5, GW1	X		X		
164.91	165	0.09	P5, R4, SW1		X	X		X
165	167	2	P5			X		
167	167.34	0.34	P5			X		
167.34	167.52	0.18	P5, R4			X		X
167.52	168.08	0.56	P5			X		
168.08	168.27	0.19	P5, R4			X		X
168.27	168.39	0.12	P5			X		
168.39	168.89	0.5	P5, R4			X		X
168.89	170.5	1.61	P5			X		
170.5	171.6	1.1	P5, GW2, S1, R5	X	X	X	X	X
171.6	173	1.4	GW2, S1 R5	X	X		X	X

Table 7-1. (Continued)

Begin Mile	End Mile	Length (mile)	Sensitivity Factors	Drinking Water		Human Population	Sensitive Species	Recreation
				Ground Water	Surface Water			
173	173.5	0.5	P6, GW2, S1 R5	X	X	X	X	X
173.5	174.61	1.11	GW2, S1, SW2, R5, P6	X	X	X	X	X
174.61	174.73	0.12	GW2, S1, SW2, R5, P6	X	X	X	X	X
174.73	175	0.27	GW2, S1, SW2, R5, P6	X	X	X	X	X
175	177.9	2.9	GW2, S1, SW2, R5, P6	X	X	X	X	X
177.9	178.4	0.5	GW2, S1, SW2, R5	X	X		X	X
178.4	179.51	1.11	P6			X		
179.51	179.89	0.38	P6, R6, S1, SW2, GW2	X	X	X	X	X
180.2	180.26	0.06	P6, R6, S1, SW2, GW2	X	X	X	X	X
180.26	180.5	0.24	P6			X		
180.86	181.01	0.15	P6, R6, S1, SW2, GW2	X	X	X	X	X
181.01	181.94	0.93	P6			X		
181.94	182.12	0.18	P6, R6, S1, SW2, GW2	X	X	X	X	X
182.12	182.25	0.13	P6, R6, S1, SW2, GW2	X	X	X	X	X
182.25	182.37	0.12	P6			X		
182.37	182.68	0.31	P6, R6, S1, SW2, GW2	X	X	X	X	X
182.68	182.8	0.12	P6			X		
184.73	184.86	0.13	R6, SW2		X			X
185.42	185.79	0.37	R6, SW2		X			X
187.53	187.65	0.12	R6, SW2		X			X
189.46	189.58	0.12	R7, SW3		X			X
190.08	190.2	0.12	R7, SW3		X			X
190.26	190.39	0.13	R7, SW3		X			X
191.38	191.44	0.06	R7, SW3		X			X
192.19	192.25	0.06	R7, SW3					X
192.63	192.94	0.31	R7					X
192.94	193.3	0.36	R7, SW3		X			X
193.3	193.43	0.13	R7					X
193.68	194.18	0.5	R8					X
194.5	196.1	1.6	R8					X
196.1	196.29	0.19	R8, SW3		X			X
196.29	197	0.71	R8					X
197.29	197.53	0.24	R8, SW3		X			X
198.16	198.28	0.12	R8, SW3		X			X
198.59	198.96	0.37	R8, SW3		X			X

Table 7-1. (Continued)

Begin Mile	End Mile	Length (mile)	Sensitivity Factors	Drinking Water		Human Population	Sensitive Species	Recreation
				Ground Water	Surface Water			
199.34	199.46	0.12	R8, SW3		X			X
201.26	201.39	0.13	R8, SW3		X			X
201.88	202.13	0.25	R8, SW3		X			X
202.26	202.63	0.37	R8, SW3		X			X
203.13	203.44	0.31	R8, SW3		X			X
204.93	205.18	0.25	R8, SW3		X			X
205.98	206.05	0.07	R8, SW3		X			X
206.23	206.36	0.13	R8, SW3		X			X
207.91	208.04	0.13	R8, SW3		X			X
209.22	209.34	0.12	R8, SW3		X			X
209.84	209.97	0.13	R8, SW3		X			X
211.45	211.64	0.19	R8, SW3		X			X
212.82	212.88	0.06	R8, SW3		X			X
213.19	213.44	0.25	R8, SW3		X			X
228.66	229.27	0.61	SW3		X			
229.27	229.39	0.12	R8, SW3		X			X
229.39	229.66	0.27	SW3		X			
230.34	230.4	0.06	SW3		X			
230.72	230.9	0.18	SW3		X			
233.08	233.32	0.24	R9, SW3					X
234.75	234.91	0.16	R9, SW3					X
236.56	236.78	0.22	R9, SW3					X
240.22	240.35	0.13	SW4		X			
247.74	247.93	0.19	SW4		X			
247.99	248.55	0.56	SW4		X			
248.8	248.86	0.06	SW4		X			
249.73	250.1	0.37	SW4		X			
250.16	250.47	0.31	SW4		X			
254.82	255.07	0.25	SW4		X			
255.94	256	0.06	SW4		X			
257.81	258.06	0.25	SW4		X			
259.92	260.1	0.18	SW4		X			
262.09	262.16	0.07	R10, SW4		X			X
263.46	263.59	0.13	R10, SW4		X			X
263.65	264.89	1.24	R10, SW4		X			X
265.82	266.13	0.31	SW4		X			
266.69	266.82	0.13	SW4		X			
267.75	267.94	0.19	SW4		X			
269.49	269.55	0.06	SW4		X			
271.23	271.41	0.18	SW4		X			
275.76	275.96	0.2	SW4		X			
276.37	276.77	0.4	R11, SW4		X			X
315.88	316	0.12	SW5		X			
324.05	324.42	0.37	SW5		X			
334.11	334.3	0.19	SW5		X			

Table 7-1. (Continued)

Begin Mile	End Mile	Length (mile)	Sensitivity Factors	Drinking Water		Human Population	Sensitive Species	Recreation
				Ground Water	Surface Water			
341	346	5	GW3	X				
356	361	5	GW4	X				
423	428	5	GW5	X				
525.31	525.49	0.18	S2, R12				X	X
526.48	526.88	0.4	S2, R12				X	X
Total Miles		128.8		52.9	21.5	50.2	9.7	26.5

Note:

- P Population Sensitive
- P1 Houston Metropolitan Area
- P2 Austin County
- P3 Bastrop County
- P4 Eastern Travis County
- P5 Austin Metropolitan Area
- P6 Western Travis County
- GW Groundwater Sensitive – Potential Impacts to Public Drinking Water Supply Wells
- GW1 Colorado River Alluvium – Bastrop County wells, Aqua Water Supply Corporation
- GW2 Edwards Aquifer – Balcones Fault Zone (BFZ) – Sunset Valley Wells
- GW3 Edwards-Trinity Aquifer – City of Eldorado PWS wells and known karst features within 2.5 miles
- GW4 Edwards-Trinity Aquifer – PWS wells 2.5 miles north
- GW5 Edwards-Trinity Aquifer – Upton County Water District wells within 2.5 miles south of pipeline
- S Sensitive Species Sensitive – Potential Impacts to Federally Listed Threatened and Endangered Species
- S1 Karstic terrain in South Austin – highly sensitive for impacts to Barton Springs Salamander
- S2 Pecos River crossing – sensitive for Pecos Pupfish
- R Recreational Sensitive – Potential Impacts to Public Recreational Facilities
- R1 Houston Area Public Parks
- R2 Crossing of Clear Creek and Brazos River
- R3 Buescher State Park, crossing of Hunt Branch above Buescher Lake
- R4 Crossings and sensitive watersheds for Marble Creek, Onion Creek, and Boggy Creek, upstream of McKinney Falls State Park
- R5 Crossings of Edwards Aquifer, BFZ with potential flow to Barton Springs and Cold Springs
- R6 Barton Creek and watershed, with potential flow to Barton Springs and Cold Springs
- R7 Unnamed Stream and Flat Creek watersheds, which contribute to Pedernales upstream of Westcave Preserve
- R8 Portions of Pedernales River watershed rated for sensitivity to Pedernales Falls State Park and Westcave Preserve, Pedernales Falls State Park
- R9 Portions of Sandy Creek watershed rated for sensitivity to Enchanted Rock State Natural Area
- R10 James River watershed and crossing
- R11 Llano River Crossing
- R12 Pecos River and Tributary
- SW Surface Water Sensitive – Potential Impacts to Public Drinking Water Supplies
- SW1 Marble Creek and Onion Creek crossings in Colorado Alluvium
- SW2 Barton Creek watershed upstream of City of Austin Green water treatment plant
- SW3 Pedernales watershed rated for sensitivity to Highland Lakes drinking water quality
- SW4 Llano River watershed rated for sensitivity to Highland Lakes drinking water quality
- SW5 San Saba watershed 60 miles upstream of alluvial public water supply well

Table 7-2. Hypersensitive Areas Along the Longhorn Pipeline

Starting Milepost	Ending Milepost	Distance	Explanatory Note	Drinking Water		Population Density	T&E Species	Recreation
				Ground Water	Surface Water			
1.30	1.40	0.10	P1			X		
2.90	3.00	0.10	P1			X		
11.50	11.70	0.20	P1			X		
12.00	12.10	0.10	P1			X		
13.70	14.00	0.30	P1			X		
15.10	15.20	0.10	P1			X		
16.80	17.20	0.40	P1			X		
18.20	18.40	0.20	P1			X		
19.80	19.90	0.10	P1			X		
21.90	23.30	1.40	P1			X		
25.00	25.90	0.90	P1			X		
30.40	30.80	0.40	P1			X		
31.70	32.60	0.90	P1			X		
63.81	64.06	0.25	R2					X
127.88	128.00	0.12	R2					X
134.38	134.57	0.18	R3					X
163.44	163.85	0.37	R4, SW1		X			X
163.92	164.04	0.12	R4, SW1		X			X
166.00	166.10	0.10	P5			X		
168.39	168.89	0.50	R4					X
170.50	173.50	3.00	GW2, S1, R5	X			X	X
174.61	174.67	0.06	R6					X
179.51	179.89	0.37	R6, SW2		X			X
180.86	180.98	0.12	R6, SW2		X			X
182.12	182.19	0.07	SW2		X			
182.43	182.50	0.07	SW2		X			
184.73	184.86	0.13	SW2		X			
185.41	185.79	0.37	SW2		X			
187.53	187.65	0.12	SW2		X			
190.26	190.39	0.12	R7, SW3		X			X
192.94	193.00	0.06	SW3		X			
193.00	193.27	0.25	R7, SW3		X			X
193.27	193.31	0.06	SW3		X			
196.10	196.29	0.19	R8, SW3		X			X
198.16	198.28	0.12	R8, SW3		X			X
198.59	198.84	0.25	R8, SW3		X			X
199.34	199.46	0.12	R8, SW3		X			X
201.88	202.13	0.25	R8, SW3		X			X
202.26	202.57	0.31	R8, SW3		X			X
202.57	202.63	0.06	SW3		X			
203.13	203.44	0.31	R8, SW3		X			X
204.93	205.18	0.15	R8, SW3		X			X

Table 7-2. (Continued)

Starting Milepost	Ending Milepost	Distance	Explanatory Note	Drinking Water		Population Density	T&E Species	Recreation
				Ground Water	Surface Water			
205.98	206.05	0.06	R8, SW3		X			X
207.91	208.04	0.12	R8, SW3		X			X
209.85	209.97	0.12	R8, SW3		X			X
213.25	213.44	0.19	R8, SW3		X			X
229.27	229.39	0.06	R8, SW3		X			X
230.72	230.90	0.18	SW3		X			
233.08	233.32	0.24	R9					X
234.79	234.91	0.13	R9					X
236.56	236.78	0.18	R9					X
240.22	240.35	0.13	SW4		X			
247.99	248.55	0.56	SW4		X			
248.80	248.86	0.06	SW4		X			
249.73	250.10	0.37	SW4		X			
263.65	264.02	0.37	SW4		X			X
267.80	267.92	0.12	SW4		X			
276.37	276.77	0.40	SW4		X			X
341.00	346.00	5.00	GW3	X				
Total Miles		21.69		8.0	6.73	5.3	3.0	9.03

- P Population Sensitive
- P1 Houston Metropolitan Area
- P5 Austin Metropolitan Area
- GW2 Edwards Aquifer – Balcones Fault Zone (BFZ) – Sensitive and Hypersensitive Karst Areas
- GW3 Edwards-Trinity Aquifer – City of Eldorado PWS wells and known karst features within 2.5 miles
- GW4 Edwards-Trinity Aquifer – PWS wells 2.5 miles north
- S1 Karstic terrain and Barton Springs Contributing Zone in South Austin – highly sensitive for impacts to Barton Springs Salamander
- R2 Crossing of Clear Creek and Brazos River
- R3 Crossing of Hunt Branch above Buescher Lake
- R4 Crossings and sensitive watersheds for Marble Creek, Onion Creek, and Boggy Creek, upstream of McKinney Falls State Park
- R5 Crossings of Edwards Aquifer, BFZ with potential flow to Barton Springs and Cold Springs
- R6 Barton Creek and watershed, with potential flow to Barton Springs and Cold Springs
- R7 Unnamed Stream and Flat Creek watersheds, which contribute to Pedernales upstream of Westcave Preserve
- R8 Portions of Pedernales River watershed rated for sensitivity to Pedernales Falls State Park and Westcave Preserve, Pedernales Falls State Park
- R9 Portions of Sandy Creek watershed rated for sensitivity to Enchanted Rock State Natural Area
- SW1 Marble Creek and Onion Creek crossings in Colorado Alluvium
- SW2 Barton Creek watershed upstream of City of Austin Green water treatment plant
- SW3 Pedernales watershed rated for sensitivity to Highland Lakes drinking water quality
- SW4 Llano River watershed rated for sensitivity to Highland Lakes drinking water quality

Table 7-3. Portions of Pipeline Sensitive for Human Health and Safety Impacts

Begin Mile	End Mile	Length (mile)	County	Comment
1.2	1.8	0.60	Harris	Galena Park
2.6	3.9	1.30	Harris	Jacinto City
4.0	6.2	2.20	Harris	Oates Prairie
7.4	7.8	0.40	Harris	Oates Prairie
8.3	10.7	2.40	Harris	Houmont Park
11.2	26.7	14.50	Harris	Lake Forest Park, Glenwood Forest, Kentshire Place, Park North, Scenic Woods, Fontaine Place, Sherwood Place, Oakwilde, Melrose Place, Willow Run, Heather Glen, West Mount Houston, Inwood North.
27.5	33.5	6.00	Harris	Rolling Fork, Arbon Vineyards, Willowbridge, Winchester Country, Steeplechase, Steeplechase Park, Crossroads.
35	36.4	1.40	Harris	Northmead Village, Aberdeen Trails
74.5	75.1	0.60	Austin	Austin County, vicinity of Bleiblerville
123.2	123.9	0.70	Bastrop	Unincorporated Area
124.8	125.2	0.40	Bastrop	Indian Lakes Estates
152.20	155.00	2.60	Travis	Stony Point
160.70	161.10	0.40	Travis	Pilot Knob
163.92	171.60	7.72	Travis	Onion Creek Forest, Silverstone, Indian Hills, Meadow Creek, Park Ridge, Buckingham Estates, Parkwood, Tanglewood Forest, Shiloh, Southwest Oaks, Cherry Creek, Sendera Oaks, Sendera Glen.
173.00	177.90	4.90	Travis	Circle C Ranch, Lookout Point, Lewis Mountain Ranch
178.40	179.51	1.11	Travis	Cedar Valley
179.51	182.80	3.29	Travis	Unincorporated Area

Table 7-4. Analysis of LCRA Highland Lake Watershed Sensitive Points

Crossing	Mile-post	Distance to Main Stem	Distance along River to Lake	Max Drain-down	EA Rating for Segment S=Sensitive H=Hypersensitive	Level of Concern	Sensitivity versus Pedernales Crossing
Pedernales Watershed							
Flat Creek	193.2	3.8 miles	25.4 miles	6785 bbl	H 192.94 – 193.31	High – 3 rd order stream	=
Pedernales Falls SP Drainages	194.5 – 197	1.5 – 2 miles	27.5 – 28.6 miles	5050 bbl	S 194.5 – 197 H 196.1 – 196.29	Medium – low flow in drainages – high losses	<
Crossing 114	198.2	0.8 miles	34 miles	6025 bbl	H 198.16-198.28	High –large draindown	=
Pedernales River	198.7		34.5 miles	*	H 198.59 – 198.84	High	=
Crossing 117	199.4	1.0 miles	34.9 miles	8620 bbl	H 199.34 – 199.46	High – large draindown	=
Cottonwood Creek	201.5 – 204	0.9 – 2.2 miles	42.2 miles	9150 bbl	S 1.6 miles H 0.68 miles	High – large draindown	<
Harden Russell, Salter Springs	205.0, 206.0	2.0 – 3.7 miles	44 miles	6620 bbl	H 204.93-205.18 H 205.98-206.05	Medium – large draindown	<
Buffalo Creek	208.0	1.9 miles	52.7 miles	4920 bbl	H 207.91 – 208.04	Medium – large draindown	<
Sandy Creek Watershed							
Youngblood – Coal Creeks	219.0 – 225.0	12.5 – 14 miles	14.3 miles	5370 bbl	None	Low – long low flow drainage	<<
Crabapple Creek	229.3	9.8 miles	25.4 miles	3940 bbl	H 229.27 – 229.39	Medium – 3 rd order stream	<
Llano Watershed							
Cherry Spring Creek, Bernst Creek	237.8 – 241.7	22.6 miles	35.8 miles	7285 bbl	H 240.22 – 240.35	Low – long low flow drainage	<<
Beaver Creek/ Cedar Hollow	248 – 248.5	14 miles	57.5 miles	5790 bbl	H 247.99 – 248.55	Medium	<
Threadgill Creek	250.0	14 miles	57.5 miles	4170 bbl	H 249.73 – 250.10	Medium	<
James River	263.9	9.1 miles	66.6 miles	3570 bbl	H 263.65 – 264.02	Medium	<
Crossing 167	275.8	0.8 miles	85 miles	4000 bbl	S 275.76 – 275.96	Low	<<
Llano River	276.6		85.2 miles	1836 bbl	H 276.37 – 276.77	Medium	<

Table 7-5. Modeling Results for Lake Travis Impacts Under Pedernales Crossing Pipeline Rupture Scenario

Product Release Vol. (bbls)	Pedernales Flow Stage (cubic feet/sec)	MTBE Loading to Lake Travis (kg) ^e	Maximum MTBE Concentration (ppb) ^f		Benzene Loading to Lake Travis (kg) ^e	Maximum Benzene Concentration (ppb) ^g	
			Above Thermocline @ Lago Vista ^h	In Penstocks @ Mansfield Dam ⁱ		Above Thermocline @ Lago Vista ^h	In Penstocks @ Mansfield Dam ⁱ
1,970 ^a	200 ^c	8.0	0.05	0.14	0.23	<0.1	<0.1
1,970 ^a	5,000 ^d	20,000	123	340	200	3.7	1.8
6,480 ^b	200 ^c	26	0.16	0.44	0.75	<0.1	<0.1
6,480 ^b	5,000 ^d	65,000	400	1,100	670	12	6.0

Footnotes:

- ^a 1,970 bbl is the approximate maximum release volume between the valves isolating the Pedernales River crossing
- ^b 6,480 bbl is the approximate maximum release volume at the trib crossings immediately east and west of the Pedernales River crossing (outside of valves isolating crossing). Under extreme storm conditions, some portion of a release this size could reach the Pedernales River if a complete rupture occurred at either crossing, although the entire volume of gasoline released is unlikely to reach the river.
- ^c 200 cfs is approximate mean flow rate in the Pedernales River.
- ^d 5,000 is approximately the 25th percentile of maximum annual daily mean flow rates recorded (flow rate which occurs or is exceeded approximately 0.4% of the time, or two days per year).
- ^e Contaminant loading to Lake Travis assuming volatilization occurs in Pedernales River prior to Lake Travis mixing.
- ^f Texas Department of Health and LCRA have proposed 15 ppb threshold for MTBE impact (olfactory, aesthetic) to drinking water.
- ^g Texas Maximum Concentration Limit for benzene in drinking water is 5 ppb.
- ^h Contaminant entering Lake Travis being completely captured in epilimnion (above thermocline) is worst-case scenario for impacts to lake water users, represented by Lago Vista, the first downstream major water right.
- ⁱ Contaminant entering Lake Travis being completely captured in hypolimnion (below thermocline) is worst-case scenario for impacts to Lake Austin water users, including the City of Austin.

Table 7-6. Surface Water Value Rankings

Stream at Crossing	Map ID	Crossing Milepost	Joins	Drinking Water Value	Recreational Value
Hunting Bayou	1	3.8	Ship Channel	1	1
Unnamed	2	3.9	Ship Channel	1	1
Greens Bayou	3	6.8	Ship Channel	1	1
Ditch	4	8.9	Greens Bayou	1	1
Greens Bayou	5	9.9	Ship Channel	1	1
Halls Bayou	6	11.3	Greens Bayou	1	1
Ditch	7	12.3	Halls	1	1
Ditch	8	13.4	Halls	1	1
Ditch	9	14.2	Halls	1	1
Ditch	10	15.7	Halls	1	1
Halls Bayou	11	17.2	Greens Bayou	1	1
Ditch	12	19.1	Halls	1	1
Ditch	13	19.2	Halls	1	1
Ditch	14	20.5	Halls	1	1
Ditch	15	22.5	White Oak	1	1
Vogel Creek	16	24.8	White Oak	1	1
Ditch	17	27.0	White Oak	1	1
Ditch	18	28.3	White Oak	1	1
Rolling Fork	19	29.0	White Oak	1	1
Unnamed	20	30.4	White Oak	1	1
White Oak Bayou	21	31.0	Buffalo	1	1
Unnamed	22	31.4	White Oak	1	1
Unnamed	23	32.2	White Oak	1	1
Unnamed	24	36.3	Horsepen	1	1
Unnamed	25	36.8	Horsepen	1	1
Unnamed	26	36.8	Buffalo	1	1
Horsepen	27	37.6	Buffalo	1	1
Horsepen	28	40.7	Buffalo	1	1
Horsepen	29	41.1	Buffalo	1	1
Unnamed	30	42.5	Cypress	1	1
Unnamed	31	43.7	Cypress	1	1
Unnamed	32	44.4	Cypress	1	1
Unnamed	33	45.7	Cypress	1	1
Cypress Creek	34	47.0	Lake Houston	1	1
Unnamed	35	47.9	Cypress	1	1
Cypress Trib	36	48.7	Lake Houston	1	1
Mound Creek	37	50.4	Cypress	1	1
Live Oak	38	53.9	Cypress	1	1
Unnamed	39	53.9	Cypress	1	1
Unnamed	40	54.9	Cypress	1	1
Harris Creek Trib	41	58.7	Bessies /Brazos	4	1

Table 7-6. (Continued)

Stream at Crossing	Map ID	Crossing Milepost	Joins	Drinking Water Value	Recreational Value
Harris Creek Trib	42	59.7	Bessies	4	1
Unnamed	43	60.8	Harris	4	1
Brazos River	44/45	63.9		4	1
Brazos River	46	65.8		4	1
Unnamed	47	67.4	Piney Creek	4	1
Muddy Branch	48	69.2	Piney Creek	4	1
Ives Creek	49	70.8	Piney Creek	4	1
Clear Creek	50	73.9	Piney Creek	4	1
Piney Creek	51	75.3	Brazos	4	1
Buffalo Creek	52	77.7	Mill Creek	1	1
Campbell Branch	53	79.1	Mill Creek	1	1
Pond – east	54	79.7		1	1
Pond – west	55	79.7		1	1
Ward Branch	56	80.1	Mill Creek	1	1
E. Fork Mill Creek	57	81.2		1	1
Rocky Branch	58	85.9	Mill Creek	1	1
Pecan Branch	59	87.0	Mill Creek	1	1
Dogwood Creek	60	89.2	Mill Creek	1	1
West Fork Mill Creek	61	90.8	Brazos	1	1
Skull Creek	62	92.8	Mill Creek	1	1
Skull Creek	63	93.3	Mill Creek	1	1
Jones Creek	64	94.5	Cummins	1	1
Haw Creek	65	95.8	Cummins	1	1
Woods Creek	66	98.0	Cummins	1	1
Jacks Creek	67	98.3	Cummins	1	1
Cummins Creek	68	99.2	Colorado	1	1
Bell Branch	69	103.3	Cummins	1	1
Williams Branch	70	104.4	Cummins	1	1
Hellers Branch	71	105.1	Cummins	1	3
Rocky Creek	72	107.3	Rabbs	1	3
Rocky Creek	73	109.0	Rabbs	1	3
Rabbs Creek	74	112.3	Colorado	1	3
Boons Creek	75	113.5	Rabbs	1	3
Piney Creek	76	116.8	Rabbs	1	3
Knobbs Creek	77	118.8	Pin Oak	1	3
Dreissner Branch	78	119.9	Pin Oak	1	3
Unnamed	79	121.4	Pin Oak	1	3
Pin Oak Creek	80	122.5	Colorado	1	3
Gravelly Creek	81	123.0	Colorado	1	3
JD Creek	82	126.7	Colorado	1	4
Hunt Creek	83	127.9	Colorado	1	10

Table 7-6. (Continued)

Stream at Crossing	Map ID	Crossing Milepost	Joins	Drinking Water Value	Recreational Value
Unnamed	84	129.4	Hunt	1	4
Unnamed	85	130.0	Hunt	1	4
Alum Creek	86	131.5	Colorado	1	4
Little Alum Creek	87	132.3	Alum Creek	1	4
Unnamed	88	133.7	Colorado	1	4
Colorado River	89	134.4		1	10
Unnamed	90	134.5	Colorado	1	10
Unnamed	91	142.2	Colorado	1	2
Unnamed	92	142.9	Cedar Creek	1	2
Cedar Creek ²	93	144.0	Colorado	1	2
Cottonwood Creek	94	145.2	Cedar Creek	1	2
Greens Creek	95	146.4	Cedar Creek	1	2
Hobbs Creek	96	149.0	Cedar Creek	1	2
Lake	97	152.6		1	0
Lake	98	152.6		1	0
Dry Creek	99	157.4	Colorado	8	1
Cottonmouth Creek	100	162.3	Onion Creek	8	1
Marble Creek	101	163.5	Onion Creek	8	10
Unnamed	102	163.6	Onion Creek	8	10
Onion Creek	103	164.0	Colorado	8	10
Boggy Creek	104	168.6	Onion Creek	8	10
Boggy Creek	105	168.8	Onion Creek	8	10
Boggy Creek	106	168.8	Onion Creek	4	10
Slaughter Creek	107	174.7	Onion Creek	8	10
Long Branch	108	179.6	Barton Creek	7	10
Barton Creek	109	180.9	Town Lake	9	10
Fitzhugh Creek	110	185.8	Barton Creek	6	6
Unnamed	111	190.3	Pedernales	7	10
Flat Creek	112	193.2	Pedernales	8	10
Unnamed	113	196.2	Pedernales	8	10
Unnamed	114	198.2	Pedernales	8	10
Pedernales River	115	198.7		10	10
Pedernales River	116	198.8	Lake Travis	10	10
Unnamed	117	199.4	Pedernales	8	10
Unnamed	118	201.9	Pedernales	7	10
Cottonwood Creek	119	202.5	Pedernales	8	10
Cottonwood Creek	120	203.2	Pedernales	8	10
Cottonwood Creek	121	203.4	Pedernales	8	10
Unnamed	122	205.0	Pedernales	6	10
Salter Spring	123	206.0	Pedernales	6	10
Buffalo Creek	124	208.0	Pedernales	6	10
Hickory Creek	125	209.9	Pedernales	8	8

Table 7-6. (Continued)

Stream at Crossing	Map ID	Crossing Milepost	Joins	Drinking Water Value	Recreational Value
Spring Branch	126	211.6	Willow	6	8
White Oak Creek	127	213.3	Willow	7	8
Unnamed	128	216.0	Willow	6	8
Basin Spring Branch	129	217.5	Willow	6	8
Basin Spring Branch	130	217.6	Willow	6	8
Youngblood	131	218.8	Sandy Creek	5	8
Youngblood	132	220.5	Sandy Creek	5	8
Willow Creek	133	225.4	Pedernales	5	6
Knott Branch	134	226.8	Willow	5	6
Crabapple Creek	135	229.3	Sandy Creek	7	6
Unnamed	136	230.8	Crabapple	5	6
Unnamed	137	233.2	Sandy Creek	5	10
Sandy Creek (1)	138	234.8	Lake LBJ	5	10
Sandy Creek (2)	139	236.7	Lake LBJ	5	10
Bernst Creek	140	237.8	Marschall	5	8
Blockhouse Creek	141	240.3	Marschall	7	2
Cherry Spring Creek	142	241.7	Marschall	7	2
Marschall Creek	143	242.7	Llano	7	2
Pecan Spring	144	243.7	Marschall	7	2
House Creek	145	244.2	Marschall	7	2
Gersdorf Creek	146	244.8	Marschall	7	2
Cedar Hollow	147	248.0	Threadgill	6	3
Cedar Hollow	148	248.2	Threadgill	6	3
Cedar Hollow	149	248.3	Threadgill	6	3
Beaver Creek	150	248.5	Threadgill	7	3
Threadgill Creek	151	250.0	Llano	7	3
Spring Branch	152	250.0	Threadgill	6	3
Spring Branch	153	250.2	Threadgill	6	3
Spring Branch	154	250.3	Threadgill	6	3
Cow Valley Creek	155	253.3	Threadgill	6	3
Panther Creek	156	254.9	Llano	5	4
Panther Creek	157	256.0	Llano	5	4
Rocky Creek	158	257.9	Panther Creek	5	4
Schep Creek	159	259.0	Llano	5	4
Unnamed	160	260.0	Schep Creek	5	4
James River	161	263.9	Llano	8	6
Unnamed	162	266.0	Mill Creek	5	4
Unnamed	163	266.7	Mill Creek	5	4
Mill Creek	164	267.9	Llano	6	4
Little Rocky Creek	165	271.3	Rocky Creek	5	4
Rocky Creek	166	273.7	Llano	5	4

Table 7-6. (Continued)

Stream at Crossing	Map ID	Crossing Milepost	Joins	Drinking Water Value	Recreational Value
Unnamed	167	275.8	Llano	4	4
Llano River	168	276.6	Lake LBJ	9	6
Big Hog Creek	169	286.2	Saline/Llano	3	4
Brewer Hollow	170	287.8	Saline/Llano	3	4
Unnamed	171	289.0	Saline/Llano	3	4
Walton Draw	172	289.9	Saline/Llano	3	4
Unnamed	173	292.0	Gentry	3	4
Gentry Creek	174	293.5	Llano	3	4
Unnamed	175	296.4	Bear Creek	3	3
Bear Creek	176	297.4	Llano	3	3
Unnamed	177	297.8	Bear Creek	3	3
Unnamed	178	299.1	Bear Creek	3	3
Unnamed	179	301.5	West Bear	3	3
Unnamed	180	303.6	West Bear	3	3
Unnamed	181	304.8	West Bear	3	3
West Bear Creek	182	306.6	Bear Creek	3	3
Unnamed	183	310.7	Colston Draw	3	2
Colston Draw	184	311.8	Terret Draw	3	2
Terret Draw	185	315.9	San Saba	4	2
Unnamed	186	317.5	Terret Draw	3	2
Unnamed	187	319.2	Terret Draw	3	2
Unnamed	188	319.3	Terret Draw	3	2
Unnamed	189	319.4	Terret Draw	3	2
Berrenda Draw	190	321.3	San Saba	3	2
Unnamed	191	323.0	San Saba	4	2
Middle Valley San Saba	192	324.2	Colorado	5	2
Unnamed	193	325.8	San Saba	4	2
Unnamed	194	327.6	San Saba	3	2
Unnamed	195	328.8	San Saba	3	2
Unnamed	196	328.9	San Saba	3	2
North Valley San Saba	197	334.3	Colorado	5	2
Unnamed	198	336.2	San Saba	3	2
Antelope Draw	199	337.7	San Saba	3	2
North Valley San Saba	200	341.2	Colorado	3	2
Dry Devil's River	201	351.8	Devil's River	1	1
Devil's River Draw	202	367.9	Buckhorn	1	1
Puckett Draw	203	369.4	Buckhorn	1	1
Lake	204	376.2		1	1
Lake	205	376.3		1	1
Buckhorn Draw	206	381.1	Devil's River	1	1
Howard Draw	207	391.5	Pecos	1	1
Schneemann Draw	208	397.0	Howard Draw	1	1

Table 7-6. (Continued)

Stream at Crossing	Map ID	Crossing Milepost	Joins	Drinking Water Value	Recreational Value
Unnamed	209	398.2	Big Lake	1	1
Big Lake Draw	210	402.6	Big Lake	1	1
Big Lake Draw	211	403.2	Big Lake	1	1
Big Lake Draw	212	404.5	Big Lake	1	1
Big Lake Draw	213	404.8	Big Lake	1	1
Centralia Draw	214	412.5	Concho	1	1
Unnamed	215	414.3	Centralia	1	1
Unnamed	216	415.8	Centralia	1	1
Unnamed	217	419.4	Centralia	1	1
Unnamed	218	424.0	Centralia	1	1
Unnamed	219	424.1	Centralia	1	1
Unnamed	220	424.2	Centralia	1	1
Unnamed	221	424.5	Centralia	1	1
Unnamed	222	424.6	Centralia	1	1
Unnamed	223	425.5	Centralia	1	1
China Draw	224	433.1	Pecos	1	1
China Draw	225	434.6	Pecos	1	1
China Draw	226	436.3	Pecos	1	1
China Draw	227	437.1	Pecos	1	1
China Draw	228	439.2	Pecos	1	1
China Draw	229	440.6	Pecos	1	1
Unnamed	230	443.6	China Draw	1	1
Unnamed	231	443.6	China Draw	1	1
Unnamed	232	444.9	Mayfield	1	1
Unnamed	233	447.1	Mayfield	1	1
Mayfield Draw	234	450.2	Landreth	1	1
Unnamed	235	455.7	Mayfield	1	1
Unnamed	236	455.8	Mayfield	1	1
Unnamed	237	455.9	Mayfield	1	1
Unnamed	238	458.8	Landreth Draw	1	1
Landreth Draw	239	459.7	Pecos River	1	1
Monument Draw	240	500.3		1	1
Unnamed	241	501.6		1	1
Quito Draw	242	512.1	Pecos	1	1
Rock Quarry Draw	243	514.8	Pecos	1	1
Irrigation	244	519.5	Pecos	1	1
Irrigation	245	520.1	Pecos	1	1
Irrigation	246	521.3	Pecos	1	1
Irrigation	247	523.3	Pecos	1	1
Irrigation	248	523.8	Pecos	1	1
Pecos River	250	525.4		10	4
Unnamed	251	526.7	Pecos	1	1

Table 7-6. (Continued)

Stream at Crossing	Map ID	Crossing Milepost	Joins	Drinking Water Value	Recreational Value
Sand Lake	252	534.6		1	1
Irrigation	249	524.2	Pecos	1	1
Coalson Draw	253	551.3	Pecos	1	1
Miller Creek	254	556.6	Coalson	1	1
Unnamed	255	559.5	Cottonwood	1	1
Cottonwood Creek	256	565.3	Coalson	1	1
Cottonwood Creek	257	577.3	Coalson	1	1
Frijole Draw	258	585.9	White Horse	1	1
Budwiser Draw	259	588.8	White Horse	1	1
Wild Horse Draw	260	591.8	Delaware River	1	1
Unnamed	261	595.3	White Horse	1	1
Burro Canyon	262	597.7	White Horse	1	1
Burro Canyon	263	597.8	White Horse	1	1
Unnamed	264	599.8	White Horse	1	1
Cox Canyon	265	601.1	White Horse	1	1
Unnamed	266	602.4	White Horse	1	1
Unnamed	267	619.7	Salt Lakes	1	1
Unnamed	268	622.8	Salt Lakes	1	1
Unnamed	269	625.1	Salt Lakes	1	1
Unnamed	270	625.8	Salt Lakes	1	1
Unnamed	271	627.3	Salt Lakes	1	1
Unnamed	272	628.4	Salt Lakes	1	1
Unnamed	273	628.7	Salt Lakes	1	1
Antelope Gulch	274	631.0	Salt Lakes	1	1
Unnamed	275	632.4	Salt Lakes	1	1
Unnamed	276	635.2	Salt Lakes	1	1
Unnamed	277	636.2	Salt Lakes	1	1
Unnamed	278	637.9	Salt Lakes	1	1
Unnamed	279	640.5	Salt Lakes	1	1
Unnamed	280	646.1	Salt Lakes	1	1
Unnamed	281	647.3	Salt Lakes	1	1
Antelope Draw	282	651.3	Salt Lakes	1	1
Wildhorse	283	666.3	Borrego	1	1
Unnamed	284	674.1	Borrego	1	1
Unnamed	285	676.7	Borrego	1	1
Middle Canyon	286	680.8	Borrego	1	1
Fourmile Draw	287	684.0	Borrego	1	1
Pow Wow Canyon	288	685.4	Borrego	1	1
Unnamed	289	687.8	Borrego	1	1
Unnamed	290	689.2	Borrego	1	1

Table 7-7. Parallel Pipelines

Stationing Start (ft)	Stationing End (ft)	County	Operator	Size (in)	Products	Lateral Distance from Longhorn
0	1,473	Harris	Texaco	12	ND	ND
0	1,475	Harris	Texaco	12	ND	ND
102	1,280	Harris	Basis	16	ND	ND
105	1,340	Harris	ND	16	ND	ND
1,855	3,700	Harris	ND	12	ND	ND
1,855	3,700	Harris	ND	4	ND	ND
1,855	2,382	Harris	ND	6	ND	ND
3,710	4,850	Harris	Tejas	ND	ND	ND
3,710	6,411	Harris	Chevron	ND	ND	ND
3,710	6,436	Harris	Chevron	ND	ND	ND
3,710	6,439	Harris	Chevron	ND	ND	ND
3,710	6,460	Harris	Texaco	ND	ND	ND
6,480	9,028	Harris	Arco	20	ND	ND
6,507	9,176	Harris	Arco	20	ND	ND
8,474	13,596	Harris	Cowboy	10	ND	ND
14,150	26,567	Harris	Cowboy	10	ND	ND
17,515	19,110	Harris	Mobil	8	ND	ND
17,510	21,271	Harris	Entex	12	ND	ND
17,720	19,000	Harris	IGS	8	ND	ND
37,583	41,900	Harris	H.L. &P Pipeline	12	Fuel Oil	ND
39,534	44,340	Harris	H.L. &P Pipeline	12	Fuel Oil	ND
44,595	45,000	Harris	Midcon	12	ND	ND
48,000	48,800	Harris	Exxon	8	Crude Oil	ND
48,000	48,800	Harris	Exxon	8	Gasoline	ND
48,800	112,460	Harris	ND	10	Products	ND
48,800	112,460	Harris	ND	8	Products	ND
48,800	179,900	Harris	ND	8	L.P.G.	ND
112,460	179,900	Harris	ND	8	Products	ND
181,000	265,235	Harris	ND	8	ND	ND
265,235	337,679	Waller	ND	8	ND	ND
337,679	341,457	Austin	ND	8	ND	ND
673,338	678,934	Bastrop	Shell	10	ND	ND
734,379	818,091	Bastrop	Shell	24	Crude Oil	< 50' - 150'
734,379	818,091	Bastrop	Phillips	10	Natural Gas Liquids	< 50' - 150'
883,000	889,500	Travis	Shell	24	Crude Oil	See Table 7-E
883,000	889,500	Travis	Phillips	10	Natural Gas Liquids	See Table 7-E
940,500	1,009,000	Travis, Hays	Shell	24	Crude Oil	See Table 7-E
940,500	1,009,000	Travis, Hays	Phillips	10	Natural Gas Liquids	See Table 7-E
1,029,155	1,070,000	Blanco	Shell	24	Crude Oil	ND
1,029,155	1,070,000	Blanco	Phillips	10	Natural Gas Liquids	ND
1,074,973	1,169,200	Blanco, Gillespie	Shell	24	Crude Oil	75' - 150'
1,074,973	1,169,200	Blanco, Gillespie	Phillips	10	Natural Gas Liquids	75' - 150'
1,177,000	1,189,000	Gillespie	Shell	24	Crude Oil	< 50' - 100'
1,177,000	1,189,000	Gillespie	Phillips	10	Natural Gas Liquids	< 50' - 100'
1,199,590	1,206,000	Gillespie	Shell	24	Crude Oil	< 50'
1,199,590	1,206,000	Gillespie	Phillips	10	Natural Gas Liquids	< 50'
1,300,690	1,303,920	Mason	Shell	24	Crude Oil	ND

Table 7-7. (Continued)

Stationing Start (ft)	Stationing End (ft)	County	Operator	Size (in)	Products	Lateral Distance from Longhorn
1,300,690	1,303,920	Mason	Phillips	10	Natural Gas Liquids	ND
1,330,500	1,358,000	Mason	Shell	24	Crude Oil	< 50' - 100'
1,330,500	1,358,000	Mason	Phillips	10	Natural Gas Liquids	< 50' - 100'
1,409,000	1,429,000	Mason	Shell	24	Crude Oil	ND
1,409,000	1,429,000	Mason	Phillips	10	Natural Gas Liquids	ND
1,474,500	1,496,000	Kimble	Shell	24	Crude Oil	75'
1,474,500	1,496,000	Kimble	Phillips	10	Natural Gas Liquids	75'
1,562,047	1,838,000	Kimble, Menard, Schleicher	Shell	24	Crude Oil	< 50'
1,562,047	1,808,050	Kimble, Menard, Schleicher	Phillips	10	Natural Gas Liquids	< 50'
1,843,430	2,060,630	Schleicher, Crockett	Shell	24	Crude Oil	< 50' - 225'
1,843,430	2,060,630	Schleicher, Crockett	Phillips	10	Natural Gas Liquids	< 50' - 225'
2,069,900	2,135,620	Crockett, Reagan	H.L. & P Pipeline	ND	ND	< 50'
2,069,900	2,135,620	Crockett, Reagan	H.L. & P Pipeline	ND	ND	< 50'

ND = Not Determined

Table 7-8. Exposed Longhorn Pipeline

<i>Exposed Longhorn Pipeline</i>			<i>Parallel Pipeline(s)</i>			
Stationing Start (ft)	Stationing End (ft)	County	Operator	Size (in)	Products	Lateral Distance from Longhorn
102,772	103,013	Harris	ND	10 8 8	Products Products L.P.G.	ND
103,934	103,959	Harris	ND	10 8 8	Products Products L.P.G.	ND
106,052	106,068	Harris	ND	10 8 8	Products Products L.P.G.	ND
194,966	194,976	Harris	ND	8	ND	ND
246,679	246,702	Harris	ND	8	ND	ND
247,782	248,030	Harris	ND	8	ND	ND
256,689	256,730	Harris	ND	8	ND	ND
305,808	306,074	Waller	ND	8	ND	ND
675,159	675,374	Bastrop	Shell	10	ND	ND
747,404	747,624	Bastrop	Equilon WestTex	24 10	Crude Oil Natural Gas Liquids	ND
779,047	779,074	Bastrop	Equilon WestTex	24 10	Crude Oil Natural Gas Liquids	ND
788,957	789,224	Bastrop	Equilon WestTex	24 10	Crude Oil Natural Gas Liquids	ND
789,753	790,124	Bastrop	Equilon WestTex	24 10	Crude Oil Natural Gas Liquids	ND
806,064	806,124	Bastrop	Equilon WestTex	24 10	Crude Oil Natural Gas Liquids	ND
948,331	948,824	Travis, Hays	Equilon WestTex	24 10	Crude Oil Natural Gas Liquids	ND
980,903	981,024	Travis, Hays	Equilon WestTex	24 10	Crude Oil Natural Gas Liquids	ND
1,003,987	1,004,124	Travis, Hays	Equilon WestTex	24 10	Crude Oil Natural Gas Liquids	ND

Table 7-8. (Continued)

<i>Exposed Longhorn Pipeline</i>			<i>Parallel Pipeline(s)</i>			
Stationing Start (ft)	Stationing End (ft)	County	Operator	Size (in)	Products	Lateral Distance from Longhorn
	1,005,224	Travis, Hays	Equilon WestTex	24 10	Crude Oil Natural Gas Liquids	ND
1,029,448	1,029,624	Blanco	Equilon WestTex	24 10	Crude Oil Natural Gas Liquids	ND
1,036,955	1,037,324	Blanco	Equilon WestTex	24 10	Crude Oil Natural Gas Liquids	ND
1,038,060	1,038,124	Blanco	Equilon WestTex	24 10	Crude Oil Natural Gas Liquids	ND
1,203,397	1,203,624	Gillepsie	Equilon WestTex	24 10	Crude Oil Natural Gas Liquids	ND
1,345,248	1,345,274	Mason	Equilon WestTex	24 10	Crude Oil Natural Gas Liquids	ND
1,351,956	1,352,074	Mason	Equilon WestTex	24 10	Crude Oil Natural Gas Liquids	ND
1,587,027	1,587,124	Kimble-Schleicher	Equilon WestTex	24 10	Crude Oil Natural Gas Liquids	ND
1,587,571	1,587,774	Kimble-Schleicher	Equilon WestTex	24 10	Crude Oil Natural Gas Liquids	ND
1,611,917	1,612,324	Kimble-Schleicher	Equilon WestTex	24 10	Crude Oil Natural Gas Liquids	ND
1,641,000	1,641,024	Kimble-Schleicher	Equilon WestTex	24 10	Crude Oil Natural Gas Liquids	ND
1,654,491	1,654,574	Kimble-Schleicher	Equilon WestTex	24 10	Crude Oil Natural Gas Liquids	ND
1,678,928	1,679,124	Kimble-Schleicher	Equilon WestTex	24 10	Crude Oil Natural Gas Liquids	ND
1,682,520	1,682,624	Kimble-Schleicher	Equilon WestTex	24 10	Crude Oil Natural Gas Liquids	ND
1,682,676	1,682,724	Kimble-Schleicher	Equilon WestTex	24 10	Crude Oil Natural Gas Liquids	ND
1,683,011	1,683,074	Kimble-Schleicher	Equilon WestTex	24 10	Crude Oil Natural Gas Liquids	ND

Table 7-8. (Continued)

<i>Exposed Longhorn Pipeline</i>			<i>Parallel Pipeline(s)</i>			
Stationing Start (ft)	Stationing End (ft)	County	Operator	Size (in)	Products	Lateral Distance from Longhorn
1,698,084	1,698,124	Kimble-Schleicher	Equilon	24	Crude Oil	ND
			WestTex	10	Natural Gas Liquids	
1,698,177	1,698,324	Kimble-Schleicher	Equilon	24	Crude Oil	ND
			WestTex	10	Natural Gas Liquids	
1,701,211	1,701,324	Kimble-Schleicher	Equilon	24	Crude Oil	ND
			WestTex	10	Natural Gas Liquids	
1,701,421	1,701,524	Kimble-Schleicher	Equilon	24	Crude Oil	ND
			WestTex	10	Natural Gas Liquids	
1,704,023	1,704,124	Kimble-Schleicher	Equilon	24	Crude Oil	ND
			WestTex	10	Natural Gas Liquids	
1,743,768	1,743,824	Kimble-Schleicher	Equilon	24	Crude Oil	ND
			WestTex	10	Natural Gas Liquids	
1,837,904	1,837,923	Kimble-Schleicher	Equilon	24	Crude Oil	ND
1,865,723	1,865,773	Schleicher-Crockett	Equilon	24	Crude Oil	ND
			WestTex	10	Natural Gas Liquids	
1,866,523	1,866,558	Schleicher-Crockett	Equilon	24	Crude Oil	ND
			WestTex	10	Natural Gas Liquids	
2,030,618	2,030,722	Schleicher-Crockett	Equilon	24	Crude Oil	ND
			WestTex	10	Natural Gas Liquids	
2,034,639	2,034,722	Schleicher-Crockett	Equilon	24	Crude Oil	ND
			WestTex	10	Natural Gas Liquids	
2,042,924	2,043,120	Schleicher-Crockett	Equilon	24	Crude Oil	ND
			WestTex	10	Natural Gas Liquids	
2,050,617	2,050,722	Schleicher-Crockett	Equilon	24	Crude Oil	ND
			WestTex	10	Natural Gas Liquids	
2,050,770	2,050,922	Schleicher-Crockett	Equilon	24	Crude Oil	ND
			WestTex	10	Natural Gas Liquids	
2,060,481	2,060,522	Schleicher-Crockett	Equilon	24	Crude Oil	ND
			WestTex	10	Natural Gas Liquids	
2,078,738	2,078,811	Crockett-Reagan	H.L. &P	ND	ND	ND
			H.L. &P			

Table 7-8. (Continued)

<i>Exposed Longhorn Pipeline</i>			<i>Parallel Pipeline(s)</i>			
Stationing Start (ft)	Stationing End (ft)	County	Operator	Size (inch)	Products	Lateral Distance from Longhorn
2,113,113	2,113,121	Crockett-Reagan	H.L. &P H.L. &P	ND	ND	ND
2,113,123	2,113,147	Crockett-Reagan	H.L. &P H.L. &P	ND	ND	ND
2,123,916	2,123,921	Crockett-Reagan	H.L. &P H.L. &P	ND	ND	ND
2,123,949	2,124,121	Crockett-Reagan	H.L. &P H.L. &P	ND	ND	ND

ND = Not Determined

Table 7-9. Exposed Longhorn Valves

<i>Exposed Longhorn Pipeline Valve</i>			<i>Parallel Pipeline(s)</i>			
Stationing (ft)	County	Valve Type	Operator	Size (inches)	Products	Lateral Distance from Longhorn
0	Harris	Remote Controlled Block Valve	Texaco Texaco	12 12	ND	ND
958,897	Travis, Hays	Remote Controlled Block Valve	Equilon WestTex 66	24 10	Crude Oil Natural Gas Liquids	ND
959,266	Hays	Bypass Check Valve	Equilon WestTex 66	24 10	Crude Oil Natural Gas Liquids	ND
1,203,369	Gillepsie	Remote Controlled Block Valve	Equilon WestTex 66	24 10	Crude Oil Natural Gas Liquids	ND
1,971,887	Schleicher - Crockett	Manual Block Valve	Equilon WestTex 66	24 10	Crude Oil Natural Gas Liquids	ND
1,972,022	Schleicher - Crockett	Manual Block Valve	Equilon WestTex 66	24 10	Crude Oil Natural Gas Liquids	ND

Table 7-10. Mutually Exposed Pipelines

<i>Exposed Longhorn Pipeline</i>					<i>Adjacent Exposed Pipeline(s)</i>			
Stationing Start (ft)	Stationing End (ft)	County	Length of Mutual Exposure (ft)	Location Type	Operator	Size (in)	Products	Lateral Distance from Longhorn
72,975	73055	Harris	80	Ditch	ND	8	Not Determined	< 10'
76,940	76,966	Harris	26	Ditch	ND	10 8 8	Products Products L.P.G.	< 20' < 50' < 50'
85,260	85,322	Harris	62	Ditch	ND	10 8 8	Products Products L.P.G.	< 15' < 10' < 10'
93,050	93,203	Harris	153	Ditch	ND	10 8 8	Products Products L.P.G.	< 10' < 10' < 10'
102,779	102,801	Harris	22	Creek	ND	10 8 8	Products Products L.P.G.	< 50' < 50' < 50'
121,075	121,136	Harris	61	Creek	ND	8 8	L.P.G. Products	< 12' < 12'
155,415	155,440	Harris	25	Creek	ND	8 8	L.P.G. Products	< 20' < 20'
166,370	166,545	Harris	175	Ditch	ND	8 8	L.P.G. Products	< 6' < 15'
247,420	247,438	Harris	18	Creek	ND	8	Not Determined	< 10'
248,530	248,559	Harris	29	Creek	ND	8	Not Determined	< 4'
257,430	257,468	Harris	38	Creek	ND	8	Not Determined	< 8'

ND = Not Determined

Table 7-11. Measured Distance Between Longhorn Pipeline and the Parallel Pipelines in Travis County

Distance* Between Longhorn and: WestTex 66 (feet) Equilon (feet)		Street Name
250	21	Loganberry Drive
200	19	Lunar Drive
140	20	Shadywood Drive
100	21	Elderberry Drive
100	22	1 st Street
100	20	Cooper Lane
150	50	Simmon Trail
130	40	Forest Wood Road
155	180	Wynne Lane
110	200	Albert Lane (Brown School Rehabilitation Center)
45	155	Albert Lane (Brown School Rehabilitation Center)
45	145	Albert Lane (Brown School Rehabilitation Center)
280	315	Manchaca Road
1050 (~0.2 miles)	1080	Seminary Ridge Drive
900 **	1100 **	Slaughter Lane
1850 (~0.35 miles)	2100	Slaughter Lane
1250 **	1450 **	
120	200	Kinser Lane
35	130	Wagon Road
180	800 (~0.15 miles)	Winding Creek Road
350	800 (~0.15 miles)	Long Branch Drive
750	820	Bonham Lane
180	300	Fitzhugh Road

Note:

- Rancho Pipeline has been bought by Shell Pipe Line Corp. (SPLC). The SPLC pipeline is operated by Equilon. It is a 2- inch crude oil pipeline that runs from San Antonio to the Dallas Ft. Worth Airport. The pipeline was first put in ground in 1948. (1-800-852-3602)
- Phillips Pipe Line Co. or WestTex 66 Pipeline Co operate a 10 inch natural gas liquids (NGL) pipeline that runs from Benedum to Sweeny. The pipeline was first put in ground in 1972. (1-800-766-8690)

* All Distances are driven or walking distances recorded from the street mentioned in the 3rd column.

** Linear Distances estimated from the alignment sheet.