

**Table 5-7 Habitable Structures and Other Land Use Features in the Vicinity of the Primary Alternative
Three Rivers - Borglum Route 5****Link Combinations: J-T6-N-B6-R-T-Y-J1-K1-R1-Z1-B2-G2-N2-U2-V2-W2-H3-J3-I3-Q3-V3-O6**

Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
2	Single-Family Residence	198	J
3	Single-Family Residence	210	J
4	Single-Family Residence	307	J
5	Single-Family Residence	182	J
8	Single-Family Residence	75	T6
9	Single-Family Residence	267	N
33	Single-Family Residence	223	U2
36	Single-Family Residence	235	V2
37	Single-Family Residence	186	V2
40	Single-Family Residence	186	W2
41	Single-Family Residence	158	W2
42	Single-Family Residence	129	W2
43	Single-Family Residence	251	J3
44	Single-Family Residence	152	J3
45	Single-Family Residence	221	J3
46	Single-Family Residence	206	J3
47	Single-Family Residence	29	J3
48	Single-Family Residence	195	I3
49	Single-Family Residence	242	I3
50	Single-Family Residence	217	I3
51	Single-Family Residence	241	Q3
52	Single-Family Residence	228	Q3
53	Commercial	205	Q3
54	Commercial	208	Q3
55	Single-Family Residence	202	Q3
56	Single-Family Residence	289	Q3
57	Commercial	197	Q3
58	Single-Family Residence	197	Q3
59	Single-Family Residence	200	Q3
60	Single-Family Residence	199	Q3
61	Single-Family Residence	199	Q3
62	Single-Family Residence	202	Q3
63	Single-Family Residence	202	Q3
64	Single-Family Residence	210	Q3
65	Single-Family Residence	213	Q3
66	Single-Family Residence	210	Q3

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**Table 5-7 Habitable Structures and Other Land Use Features in the Vicinity of the Primary Alternative
Three Rivers - Borglum Route 5**

Link Combinations: J-T6-N-B6-R-T-Y-J1-K1-R1-Z1-B2-G2-N2-U2-V2-W2-H3-J3-I3-Q3-V3-O6

Map Number	Structure or Feature	Approximate Distance from Route Centerline ¹ (feet)	Nearest Alternative Route Link ²
67	Single-Family Residence	213	Q3
68	Single-Family Residence	215	Q3
69	Single-Family Residence	216	Q3
70	Single-Family Residence	222	Q3
71	Single-Family Residence	235	Q3
72	Single-Family Residence	287	Q3
73	Multi-Family Residence	293	Q3
74	Commercial	80	Q3
90	Single-Family Residence	308	V3
91	Single-Family Residence	251	V3
501	Terminal D Ranch Airstrip	5,075	R
502	Beeville Municipal Airport	6,328	Q3
600	AM Radio Tower	3,460	O6
601	Other Electronic Installation	1,276	R
603	Other Electronic Installation	1,712	W2
604	Other Electronic Installation	166	Q3
605	Other Electronic Installation	183	Q3
--	41LK103	--	N
--	41LK107	--	N
--	41LK108	--	N
--	41LK109	--	N
--	41LK222	--	J
--	41LK225	--	T6

¹ Due to the potential horizontal inaccuracies of the aerial photography and data utilized, all habitable structures within 311' have been identified.

² Distances to sensitive cultural resource sites are not provided for protection of the sites.

**Table 5-8 Habitable Structures and Other Land Use Features in the Vicinity of the Primary Alternative
Three Rivers - Borglum Route 6**

Link Combinations: J-T6-O-R-T-Y-J1-K1-R1-Z1-B2-E2-R2-T2-B3-K3-R3-T3-U3-P6-V3-O6			
Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
2	Single-Family Residence	198	J
3	Single-Family Residence	210	J
4	Single-Family Residence	307	J
5	Single-Family Residence	182	J
8	Single-Family Residence	75	T6
83	Single-Family Residence	153	R3
84	Single-Family Residence	154	R3
85	Single-Family Residence	304	R3
86	Single-Family Residence	263	R3
90	Single-Family Residence	308	V3
91	Single-Family Residence	251	V3
501	Terminal D Ranch Airstrip	5,075	R
502	Beeville Municipal Airport	6,060	K3
600	AM Radio Tower	3,460	O6
601	Other Electronic Installation	1,276	R
--	41LK222	--	J
--	41LK225	--	T6

¹ Due to the potential horizontal inaccuracies of the aerial photography and data utilized, all habitable structures within 311' have been identified.

² Distances to sensitive cultural resource sites are not provided for protection of the sites.

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**Table 5-9 Habitable Structures and Other Land Use Features in the Vicinity of the Primary Alternative
Three Rivers - Borglum Route 7**

Link Combinations: A-C-H-Q6-S6-U6-P-T-Y-J1-K1-R1-A2-F2-M2-O2-U2-V2-W2-G3-Q3-V3-O6

Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
1	Single-Family Residence	133	C
10	Commercial	135	P
11	Single-Family Residence	176	P
25	Single-Family Residence	194	M2
26	Single-Family Residence	275	M2
27	Single-Family Residence	220	M2
28	Single-Family Residence	60	M2
29	Single-Family Residence	297	M2
30	Single-Family Residence	164	M2
33	Single-Family Residence	223	U2
36	Single-Family Residence	235	V2
37	Single-Family Residence	186	V2
40	Single-Family Residence	186	W2
41	Single-Family Residence	158	W2
42	Single-Family Residence	129	W2
51	Single-Family Residence	241	Q3
52	Single-Family Residence	228	Q3
53	Commercial	205	Q3
54	Commercial	208	Q3
55	Single-Family Residence	202	Q3
56	Single-Family Residence	289	Q3
57	Commercial	197	Q3
58	Single-Family Residence	197	Q3
59	Single-Family Residence	200	Q3
60	Single-Family Residence	199	Q3
61	Single-Family Residence	199	Q3
62	Single-Family Residence	202	Q3
63	Single-Family Residence	202	Q3
64	Single-Family Residence	210	Q3
65	Single-Family Residence	213	Q3
66	Single-Family Residence	210	Q3
67	Single-Family Residence	213	Q3
68	Single-Family Residence	215	Q3
69	Single-Family Residence	216	Q3
70	Single-Family Residence	222	Q3
71	Single-Family Residence	235	Q3

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**Table 5-9 Habitable Structures and Other Land Use Features in the Vicinity of the Primary Alternative
Three Rivers - Borglum Route 7**

Link Combinations: A-C-H-Q6-S6-U6-P-T-Y-J1-K1-R1-A2-F2-M2-O2-U2-V2-W2-G3-Q3-V3-O6

Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
72	Single-Family Residence	287	Q3
73	Multi-Family Residence	293	Q3
74	Commercial	80	Q3
90	Single-Family Residence	308	V3
91	Single-Family Residence	251	V3
501	Terminal D Ranch Airstrip	3,658	P
502	Beeville Municipal Airport	4,346	G3
600	AM Radio Tower	3,460	O6
603	Other Electronic Installation	1,712	W2
604	Other Electronic Installation	166	Q3
605	Other Electronic Installation	183	Q3

¹ Due to the potential horizontal inaccuracies of the aerial photography and data utilized, all habitable structures within 311' have been identified.

² Distances to sensitive cultural resource sites are not provided for protection of the sites.

**Table 5-10 Habitable Structures and Other Land Use Features in the Vicinity of the Primary
Alternative Three Rivers - Borglum Route 8**

Link Combinations: A-C-H-L-U6-P-T-Y-J1-K1-R1-A2-F2-M2-P2-D3-L3-I3-Q3-V3-O6			
Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
1	Single-Family Residence	133	C
10	Commercial	135	P
11	Single-Family Residence	176	P
25	Single-Family Residence	194	M2
26	Single-Family Residence	275	M2
27	Single-Family Residence	220	M2
28	Single-Family Residence	60	M2
29	Single-Family Residence	297	M2
30	Single-Family Residence	164	M2
32	Single-Family Residence	268	P2
48	Single-Family Residence	195	I3
49	Single-Family Residence	242	I3
50	Single-Family Residence	217	I3
51	Single-Family Residence	241	Q3
52	Single-Family Residence	228	Q3
53	Commercial	205	Q3
54	Commercial	208	Q3
55	Single-Family Residence	202	Q3
56	Single-Family Residence	289	Q3
57	Commercial	197	Q3
58	Single-Family Residence	197	Q3
59	Single-Family Residence	200	Q3
60	Single-Family Residence	199	Q3
61	Single-Family Residence	199	Q3
62	Single-Family Residence	202	Q3
63	Single-Family Residence	202	Q3
64	Single-Family Residence	210	Q3
65	Single-Family Residence	213	Q3
66	Single-Family Residence	210	Q3
67	Single-Family Residence	213	Q3
68	Single-Family Residence	215	Q3
69	Single-Family Residence	216	Q3
70	Single-Family Residence	222	Q3
71	Single-Family Residence	235	Q3
72	Single-Family Residence	287	Q3
73	Multi-Family Residence	293	Q3

**Table 5-10 Habitable Structures and Other Land Use Features in the Vicinity of the Primary
Alternative Three Rivers - Borglum Route 8**

Link Combinations: A-C-H-L-U6-P-T-Y-J1-K1-R1-A2-F2-M2-P2-D3-L3-I3-Q3-V3-O6

Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
74	Commercial	80	Q3
90	Single-Family Residence	308	V3
91	Single-Family Residence	251	V3
501	Terminal D Ranch Airstrip	3,658	P
502	Beeville Municipal Airport	6,328	Q3
600	AM Radio Tower	3,460	O6
602	Other Electronic Installation	872	E3
604	Other Electronic Installation	166	Q3
605	Other Electronic Installation	183	Q3

¹ Due to the potential horizontal inaccuracies of the aerial photography and data utilized, all habitable structures within 311' have been identified.

² Distances to sensitive cultural resource sites are not provided for protection of the sites.

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**Table 5-11 Habitable Structures and Other Land Use Features in the Vicinity of the Primary
Alternative Three Rivers - Borglum Route 9**

Link Combinations: A-B-H-K-M-P-T-Z-I1-M1-O1-S1-W1-J2-E3-F3-H3-G3-Q3-V3-O6			
Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
1	Single-Family Residence	152	B
6	Single-Family Residence	193	K
7	Single-Family Residence	298	K
10	Commercial	135	P
11	Single-Family Residence	176	P
21	Single-Family Residence	177	W1
22	Single-Family Residence	273	J2
23	Single-Family Residence	241	J2
24	Single-Family Residence	210	J2
39	Single-Family Residence	297	E3
51	Single-Family Residence	241	Q3
52	Single-Family Residence	228	Q3
53	Commercial	205	Q3
54	Commercial	208	Q3
55	Single-Family Residence	202	Q3
56	Single-Family Residence	289	Q3
57	Commercial	197	Q3
58	Single-Family Residence	197	Q3
59	Single-Family Residence	200	Q3
60	Single-Family Residence	199	Q3
61	Single-Family Residence	199	Q3
62	Single-Family Residence	202	Q3
63	Single-Family Residence	202	Q3
64	Single-Family Residence	210	Q3
65	Single-Family Residence	213	Q3
66	Single-Family Residence	210	Q3
67	Single-Family Residence	213	Q3
68	Single-Family Residence	215	Q3
69	Single-Family Residence	216	Q3
70	Single-Family Residence	222	Q3
71	Single-Family Residence	235	Q3
72	Single-Family Residence	287	Q3
73	Multi-Family Residence	293	Q3
74	Commercial	80	Q3
90	Single-Family Residence	308	V3
91	Single-Family Residence	251	V3

**Table 5-11 Habitable Structures and Other Land Use Features in the Vicinity of the Primary
Alternative Three Rivers - Borglum Route 9**

Link Combinations: A-B-H-K-M-P-T-Z-I1-M1-O1-S1-W1-J2-E3-F3-H3-G3-Q3-V3-O6			
Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
501	Terminal D Ranch Airstrip	3,658	P
502	Beeville Municipal Airport	4,346	G3
600	AM Radio Tower	3,460	O6
602	Other Electronic Installation	872	E3
604	Other Electronic Installation	166	Q3
605	Other Electronic Installation	183	Q3

¹ Due to the potential horizontal inaccuracies of the aerial photography and data utilized, all habitable structures within 311' have been identified.

² Distances to sensitive cultural resource sites are not provided for protection of the sites.

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**Table 5-12 Habitable Structures and Other Land Use Features in the Vicinity of the Primary
Alternative Three Rivers - Borglum Route 10**

Link Combinations: A-B-H-K-Q-U-Y-J1-K1-R1-A2-F2-I2-N2-U2-X2-L3-I3-Q3-V3-O6

Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
1	Single-Family Residence	152	B
6	Single-Family Residence	193	K
7	Single-Family Residence	298	K
12	Single-Family Residence	191	Q
13	Single-Family Residence	142	Q
14	Single-Family Residence	163	Q
15	Single-Family Residence	88	U
16	Single-Family Residence	94	U
33	Single-Family Residence	223	U2
38	Single-Family Residence	275	X2
48	Single-Family Residence	195	I3
49	Single-Family Residence	242	I3
50	Single-Family Residence	217	I3
51	Single-Family Residence	241	Q3
52	Single-Family Residence	228	Q3
53	Commercial	205	Q3
54	Commercial	208	Q3
55	Single-Family Residence	202	Q3
56	Single-Family Residence	289	Q3
57	Commercial	197	Q3
58	Single-Family Residence	197	Q3
59	Single-Family Residence	200	Q3
60	Single-Family Residence	199	Q3
61	Single-Family Residence	199	Q3
62	Single-Family Residence	202	Q3
63	Single-Family Residence	202	Q3
64	Single-Family Residence	210	Q3
65	Single-Family Residence	213	Q3
66	Single-Family Residence	210	Q3
67	Single-Family Residence	213	Q3
68	Single-Family Residence	215	Q3
69	Single-Family Residence	216	Q3
70	Single-Family Residence	222	Q3
71	Single-Family Residence	235	Q3
72	Single-Family Residence	287	Q3
73	Multi-Family Residence	293	Q3

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**Table 5-12 Habitable Structures and Other Land Use Features in the Vicinity of the Primary
Alternative Three Rivers - Borglum Route 10**

Link Combinations: A-B-H-K-Q-U-Y-J1-K1-R1-A2-F2-I2-N2-U2-X2-L3-I3-Q3-V3-O6			
Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
74	Commercial	80	Q3
90	Single-Family Residence	308	V3
91	Single-Family Residence	251	V3
501	Terminal D Ranch Airstrip	8,623	U
502	Beeville Municipal Airport	6,328	Q3
600	AM Radio Tower	3,460	O6
604	Other Electronic Installation	166	Q3
605	Other Electronic Installation	183	Q3
--	41LK336	--	Q

¹ Due to the potential horizontal inaccuracies of the aerial photography and data utilized, all habitable structures within 311' have been identified.

² Distances to sensitive cultural resource sites are not provided for protection of the sites.

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**Table 5-13 Habitable Structures and Other Land Use Features in the Vicinity of the Primary
Alternative Three Rivers - Borglum Route 11**

Link Combinations: A-C-H-K-Q-S-X-A1-G1-K1-R1-A2-F2-M2-P2-D3-L3-I3-Q3-V3-O6			
Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
1	Single-Family Residence	133	C
6	Single-Family Residence	193	K
7	Single-Family Residence	298	K
12	Single-Family Residence	191	Q
13	Single-Family Residence	142	Q
14	Single-Family Residence	163	Q
25	Single-Family Residence	194	M2
26	Single-Family Residence	275	M2
27	Single-Family Residence	220	M2
28	Single-Family Residence	60	M2
29	Single-Family Residence	297	M2
30	Single-Family Residence	164	M2
32	Single-Family Residence	268	P2
48	Single-Family Residence	195	I3
49	Single-Family Residence	242	I3
50	Single-Family Residence	217	I3
51	Single-Family Residence	241	Q3
52	Single-Family Residence	228	Q3
53	Commercial	205	Q3
54	Commercial	208	Q3
55	Single-Family Residence	202	Q3
56	Single-Family Residence	289	Q3
57	Commercial	197	Q3
58	Single-Family Residence	197	Q3
59	Single-Family Residence	200	Q3
60	Single-Family Residence	199	Q3
61	Single-Family Residence	199	Q3
62	Single-Family Residence	202	Q3
63	Single-Family Residence	202	Q3
64	Single-Family Residence	210	Q3
65	Single-Family Residence	213	Q3
66	Single-Family Residence	210	Q3
67	Single-Family Residence	213	Q3
68	Single-Family Residence	215	Q3
69	Single-Family Residence	216	Q3
70	Single-Family Residence	222	Q3

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**Table 5-13 Habitable Structures and Other Land Use Features in the Vicinity of the Primary
Alternative Three Rivers - Borglum Route 11**

Link Combinations: A-C-H-K-Q-S-X-A1-G1-K1-R1-A2-F2-M2-P2-D3-L3-I3-Q3-V3-O6			
Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
71	Single-Family Residence	235	Q3
72	Single-Family Residence	287	Q3
73	Multi-Family Residence	293	Q3
74	Commercial	80	Q3
90	Single-Family Residence	308	V3
91	Single-Family Residence	251	V3
501	Terminal D Ranch Airstrip	8,787	Q
502	Beeville Municipal Airport	6,328	Q3
600	AM Radio Tower	3,460	O6
604	Other Electronic Installation	166	Q3
605	Other Electronic Installation	183	Q3
--	41LK336	--	Q

¹ Due to the potential horizontal inaccuracies of the aerial photography and data utilized, all habitable structures within 311' have been identified.

² Distances to sensitive cultural resource sites are not provided for protection of the sites.

**Table 5-14 Habitable Structures and Other Land Use Features in the Vicinity of the Primary
Alternative Three Rivers - Borglum Route 12**

**Link Combinations: A-C-H-K-Q-S-X-A1-H1-Q1-B2-E2-H2-L2-A3-B3-Z2-C3-M3-P3-R3-T3-U3-H6-E6-N6-
O6**

Map Number	Structure or Feature	Approximate Distance from Route Centerline ¹ (feet)	Nearest Alternative Route Link ²
1	Single-Family Residence	133	C
6	Single-Family Residence	193	K
7	Single-Family Residence	298	K
12	Single-Family Residence	191	Q
13	Single-Family Residence	142	Q
14	Single-Family Residence	163	Q
17	Single-Family Residence	132	H1
31	Single-Family Residence	141	L2
76	Single-Family Residence	303	C3
83	Single-Family Residence	153	R3
84	Single-Family Residence	154	R3
85	Single-Family Residence	304	R3
86	Single-Family Residence	263	R3
92	Single-Family Residence	262	N6
501	Terminal D Ranch Airstrip	8,787	Q
502	Beeville Municipal Airport	6,958	R3
600	AM Radio Tower	3,460	O6
--	41LK336	--	Q

¹ Due to the potential horizontal inaccuracies of the aerial photography and data utilized, all habitable structures within 311' have been identified.

² Distances to sensitive cultural resource sites are not provided for protection of the sites.

**Table 5-15 Habitable Structures and Other Land Use Features in the Vicinity of the Primary
Alternative Three Rivers - Borglum Route 13**

Link Combinations: A-C-H-K-Q-S-X-A1-H1-N1-C2-R2-S2-W2-G3-Q3-V3-O6

Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
1	Single-Family Residence	133	C
6	Single-Family Residence	193	K
7	Single-Family Residence	298	K
12	Single-Family Residence	191	Q
13	Single-Family Residence	142	Q
14	Single-Family Residence	163	Q
17	Single-Family Residence	132	H1
34	Single-Family Residence	140	S2
35	Single-Family Residence	303	S2
40	Single-Family Residence	186	W2
41	Single-Family Residence	158	W2
42	Single-Family Residence	129	W2
51	Single-Family Residence	241	Q3
52	Single-Family Residence	228	Q3
53	Commercial	205	Q3
54	Commercial	208	Q3
55	Single-Family Residence	202	Q3
56	Single-Family Residence	289	Q3
57	Commercial	197	Q3
58	Single-Family Residence	197	Q3
59	Single-Family Residence	200	Q3
60	Single-Family Residence	199	Q3
61	Single-Family Residence	199	Q3
62	Single-Family Residence	202	Q3
63	Single-Family Residence	202	Q3
64	Single-Family Residence	210	Q3
65	Single-Family Residence	213	Q3
66	Single-Family Residence	210	Q3
67	Single-Family Residence	213	Q3
68	Single-Family Residence	215	Q3
69	Single-Family Residence	216	Q3
70	Single-Family Residence	222	Q3
71	Single-Family Residence	235	Q3
72	Single-Family Residence	287	Q3
73	Multi-Family Residence	293	Q3
74	Commercial	80	Q3

**Table 5-15 Habitable Structures and Other Land Use Features in the Vicinity of the Primary
Alternative Three Rivers - Borglum Route 13**

Link Combinations: A-C-H-K-Q-S-X-A1-H1-N1-C2-R2-S2-W2-G3-Q3-V3-O6

Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
90	Single-Family Residence	308	V3
91	Single-Family Residence	251	V3
501	Terminal D Ranch Airstrip	8,787	Q
502	Beeville Municipal Airport	4,346	G3
600	AM Radio Tower	3,460	O6
603	Other Electronic Installation	1,712	W2
604	Other Electronic Installation	166	Q3
605	Other Electronic Installation	183	Q3
--	41LK336	--	Q

¹ Due to the potential horizontal inaccuracies of the aerial photography and data utilized, all habitable structures within 311' have been identified.

² Distances to sensitive cultural resource sites are not provided for protection of the sites.

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**Table 5-16 Habitable Structures and Other Land Use Features in the Vicinity of the Primary
Alternative Three Rivers - Borglum Route 14**

Link Combinations: A-B-H-K-Q-S-W-A1-H1-N1-C2-H2-L2-Y2-C3-M3-O3-S3-T3-W3-J6-M6-E6-F6-Y3

Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
1	Single-Family Residence	152	B
6	Single-Family Residence	193	K
7	Single-Family Residence	298	K
12	Single-Family Residence	191	Q
13	Single-Family Residence	142	Q
14	Single-Family Residence	163	Q
17	Single-Family Residence	132	H1
31	Single-Family Residence	141	L2
75	Single-Family Residence	83	Y2
76	Single-Family Residence	303	C3
78	Single-Family Residence	157	O3
79	Single-Family Residence	120	O3
80	Single-Family Residence	222	O3
81	Single-Family Residence	181	O3
82	Single-Family Residence	292	O3
86	Single-Family Residence	241	S3
87	Single-Family Residence	261	S3
88	Single-Family Residence	290	S3
93	Single-Family Residence	289	J6
501	Terminal D Ranch Airstrip	8,787	Q
502	Beeville Municipal Airport	9,851	M3
503	Chase Field Industrial Airport	18,577	J6
600	AM Radio Tower	3,460	Y3
--	41LK336	--	Q

¹ Due to the potential horizontal inaccuracies of the aerial photography and data utilized, all habitable structures within 311' have been identified.

² Distances to sensitive cultural resource sites are not provided for protection of the sites.

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**Table 5-17 Habitable Structures and Other Land Use Features in the Vicinity of the Primary
Alternative Three Rivers - Borglum Route 15**

Link Combinations: A-B-H-K-Q-S-W-A1-H1-N1-D2-L2-Y2-C3-N3-A4-B4-J6-K6-I6-Y3

Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
1	Single-Family Residence	152	B
6	Single-Family Residence	193	K
7	Single-Family Residence	298	K
12	Single-Family Residence	191	Q
13	Single-Family Residence	142	Q
14	Single-Family Residence	163	Q
17	Single-Family Residence	132	H1
31	Single-Family Residence	141	L2
75	Single-Family Residence	83	Y2
76	Single-Family Residence	303	C3
77	Single-Family Residence	168	N3
89	Single-Family Residence	162	A4
93	Single-Family Residence	289	J6
501	Terminal D Ranch Airstrip	8,787	Q
502	Beeville Municipal Airport	11,503	C3
503	Chase Field Industrial Airport	13,331	A4
600	AM Radio Tower	3,460	Y3
--	41LK336	--	Q

¹ Due to the potential horizontal inaccuracies of the aerial photography and data utilized, all habitable structures within 311' have been identified.

² Distances to sensitive cultural resource sites are not provided for protection of the sites.

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**Table 5-18 Habitable Structures and Other Land Use Features in the Vicinity of the Primary
Alternative Three Rivers - Borglum Route 16**

Link Combinations: J-T6-N-V-E1-M1-O1-S1-T1-X1-Z1-B2-E2-H2-L2-A3-B3-K3-R3-T3-W3-J6-K6-I6-Y3

Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
2	Single-Family Residence	198	J
3	Single-Family Residence	210	J
4	Single-Family Residence	307	J
5	Single-Family Residence	182	J
8	Single-Family Residence	75	T6
9	Single-Family Residence	267	N
31	Single-Family Residence	141	L2
83	Single-Family Residence	153	R3
84	Single-Family Residence	154	R3
85	Single-Family Residence	304	R3
86	Single-Family Residence	263	R3
93	Single-Family Residence	289	J6
502	Beeville Municipal Airport	6,060	K3
503	Chase Field Industrial Airport	18,577	J6
600	AM Radio Tower	3,460	Y3
--	41LK103	--	N
--	41LK107	--	N
--	41LK108	--	N
--	41LK109	--	N
--	41LK222	--	J
--	41LK225	--	T6

¹ Due to the potential horizontal inaccuracies of the aerial photography and data utilized, all habitable structures within 311' have been identified.

² Distances to sensitive cultural resource sites are not provided for protection of the sites.

**Table 5-19 Habitable Structures and Other Land Use Features in the Vicinity of the Primary
Alternative Three Rivers - Borglum Route 17****Link Combinations: A-C-H-L-U6-P-T-Y-J1-K1-R1-Z1-B2-E2-H2-L2-A3-B3-K3-R3-T3-U3-P6-V3-O6**

Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
1	Single-Family Residence	133	C
10	Commercial	135	P
11	Single-Family Residence	176	P
31	Single-Family Residence	141	L2
83	Single-Family Residence	153	R3
84	Single-Family Residence	154	R3
85	Single-Family Residence	304	R3
86	Single-Family Residence	263	R3
90	Single-Family Residence	308	V3
91	Single-Family Residence	251	V3
501	Terminal D Ranch Airstrip	3,658	P
502	Beeville Municipal Airport	6,060	K3
600	AM Radio Tower	3,460	O6

¹ Due to the potential horizontal inaccuracies of the aerial photography and data utilized, all habitable structures within 311' have been identified.² Distances to sensitive cultural resource sites are not provided for protection of the sites.

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**Table 5-20 Habitable Structures and Other Land Use Features in the Vicinity of the Primary
Alternative Three Rivers - Borglum Route 18**

Link Combinations: A-C-H-L-U6-P-T-Y-J1-K1-R1-A2-F2-M2-P2-D3-F3-J3-I3-Q3-V3-O6			
Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
1	Single-Family Residence	133	C
10	Commercial	135	P
11	Single-Family Residence	176	P
25	Single-Family Residence	194	M2
26	Single-Family Residence	275	M2
27	Single-Family Residence	220	M2
28	Single-Family Residence	60	M2
29	Single-Family Residence	297	M2
30	Single-Family Residence	164	M2
32	Single-Family Residence	268	P2
43	Single-Family Residence	251	J3
44	Single-Family Residence	152	J3
45	Single-Family Residence	221	J3
46	Single-Family Residence	206	J3
47	Single-Family Residence	29	J3
48	Single-Family Residence	195	I3
49	Single-Family Residence	242	I3
50	Single-Family Residence	217	I3
51	Single-Family Residence	241	Q3
52	Single-Family Residence	228	Q3
53	Commercial	205	Q3
54	Commercial	208	Q3
55	Single-Family Residence	202	Q3
56	Single-Family Residence	289	Q3
57	Commercial	197	Q3
58	Single-Family Residence	197	Q3
59	Single-Family Residence	200	Q3
60	Single-Family Residence	199	Q3
61	Single-Family Residence	199	Q3
62	Single-Family Residence	202	Q3
63	Single-Family Residence	202	Q3
64	Single-Family Residence	210	Q3
65	Single-Family Residence	213	Q3
66	Single-Family Residence	210	Q3
67	Single-Family Residence	213	Q3
68	Single-Family Residence	215	Q3

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**Table 5-20 Habitable Structures and Other Land Use Features in the Vicinity of the Primary
Alternative Three Rivers - Borglum Route 18**

Link Combinations: A-C-H-L-U6-P-T-Y-J1-K1-R1-A2-F2-M2-P2-D3-F3-J3-I3-Q3-V3-O6			
Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
69	Single-Family Residence	216	Q3
70	Single-Family Residence	222	Q3
71	Single-Family Residence	235	Q3
72	Single-Family Residence	287	Q3
73	Multi-Family Residence	293	Q3
74	Commercial	80	Q3
90	Single-Family Residence	308	V3
91	Single-Family Residence	251	V3
501	Terminal D Ranch Airstrip	3,658	P
502	Beeville Municipal Airport	6,328	Q3
600	AM Radio Tower	3,460	O6
604	Other Electronic Installation	166	Q3
605	Other Electronic Installation	183	Q3

¹ Due to the potential horizontal inaccuracies of the aerial photography and data utilized, all habitable structures within 311' have been identified.

² Distances to sensitive cultural resource sites are not provided for protection of the sites.

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**Table 5-21 Habitable Structures and Other Land Use Features in the Vicinity of the Primary
Alternative Three Rivers - Borglum Route 19**

Link Combinations: A-C-H-L-U6-P-T-Y-J1-K1-R1-A2-F2-M2-P2-D3-F3-H3-G3-Q3-V3-O6			
Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
1	Single-Family Residence	133	C
10	Commercial	135	P
11	Single-Family Residence	176	P
25	Single-Family Residence	194	M2
26	Single-Family Residence	275	M2
27	Single-Family Residence	220	M2
28	Single-Family Residence	60	M2
29	Single-Family Residence	297	M2
30	Single-Family Residence	164	M2
32	Single-Family Residence	268	P2
51	Single-Family Residence	241	Q3
52	Single-Family Residence	228	Q3
53	Commercial	205	Q3
54	Commercial	208	Q3
55	Single-Family Residence	202	Q3
56	Single-Family Residence	289	Q3
57	Commercial	197	Q3
58	Single-Family Residence	197	Q3
59	Single-Family Residence	200	Q3
60	Single-Family Residence	199	Q3
61	Single-Family Residence	199	Q3
62	Single-Family Residence	202	Q3
63	Single-Family Residence	202	Q3
64	Single-Family Residence	210	Q3
65	Single-Family Residence	213	Q3
66	Single-Family Residence	210	Q3
67	Single-Family Residence	213	Q3
68	Single-Family Residence	215	Q3
69	Single-Family Residence	216	Q3
70	Single-Family Residence	222	Q3
71	Single-Family Residence	235	Q3
72	Single-Family Residence	287	Q3
73	Multi-Family Residence	293	Q3
74	Commercial	80	Q3
90	Single-Family Residence	308	V3
91	Single-Family Residence	251	V3

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**Table 5-21 Habitable Structures and Other Land Use Features in the Vicinity of the Primary
Alternative Three Rivers - Borglum Route 19**

Link Combinations: A-C-H-L-U6-P-T-Y-J1-K1-R1-A2-F2-M2-P2-D3-F3-H3-G3-Q3-V3-O6			
Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
501	Terminal D Ranch Airstrip	3,658	P
502	Beeville Municipal Airport	4,346	G3
600	AM Radio Tower	3,460	O6
604	Other Electronic Installation	166	Q3
605	Other Electronic Installation	183	Q3

¹ Due to the potential horizontal inaccuracies of the aerial photography and data utilized, all habitable structures within 311' have been identified.

² Distances to sensitive cultural resource sites are not provided for protection of the sites.

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**Table 5-22 Habitable Structures and Other Land Use Features in the Vicinity of the Primary
Alternative Three Rivers - Borglum Route 20**

Link Combinations: A-C-H-L-U6-P-T-Y-J1-K1-R1-A2-F2-I2-N2-U2-V2-W2-G3-Q3-V3-O6			
Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
1	Single-Family Residence	133	C
10	Commercial	135	P
11	Single-Family Residence	176	P
33	Single-Family Residence	223	U2
36	Single-Family Residence	235	V2
37	Single-Family Residence	186	V2
40	Single-Family Residence	186	W2
41	Single-Family Residence	158	W2
42	Single-Family Residence	129	W2
51	Single-Family Residence	241	Q3
52	Single-Family Residence	228	Q3
53	Commercial	205	Q3
54	Commercial	208	Q3
55	Single-Family Residence	202	Q3
56	Single-Family Residence	289	Q3
57	Commercial	197	Q3
58	Single-Family Residence	197	Q3
59	Single-Family Residence	200	Q3
60	Single-Family Residence	199	Q3
61	Single-Family Residence	199	Q3
62	Single-Family Residence	202	Q3
63	Single-Family Residence	202	Q3
64	Single-Family Residence	210	Q3
65	Single-Family Residence	213	Q3
66	Single-Family Residence	210	Q3
67	Single-Family Residence	213	Q3
68	Single-Family Residence	215	Q3
69	Single-Family Residence	216	Q3
70	Single-Family Residence	222	Q3
71	Single-Family Residence	235	Q3
72	Single-Family Residence	287	Q3
73	Multi-Family Residence	293	Q3
74	Commercial	80	Q3
90	Single-Family Residence	308	V3
91	Single-Family Residence	251	V3
501	Terminal D Ranch Airstrip	3,658	P

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**Table 5-22 Habitable Structures and Other Land Use Features in the Vicinity of the Primary
Alternative Three Rivers - Borglum Route 20**

Link Combinations: A-C-H-L-U6-P-T-Y-J1-K1-R1-A2-F2-I2-N2-U2-V2-W2-G3-Q3-V3-O6

Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
502	Beeville Municipal Airport	4,346	G3
600	AM Radio Tower	3,460	O6
603	Other Electronic Installation	1,712	W2
604	Other Electronic Installation	166	Q3
605	Other Electronic Installation	183	Q3

¹ Due to the potential horizontal inaccuracies of the aerial photography and data utilized, all habitable structures within 311' have been identified.

² Distances to sensitive cultural resource sites are not provided for protection of the sites.

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**Table 5-23 Habitable Structures and Other Land Use Features in the Vicinity of the Primary
Alternative Three Rivers - Borglum Route 21**

Link Combinations: A-C-H-L-U6-P-T-Y-J1-K1-R1-Z1-B2-E2-R2-S2-W2-G3-Q3-V3-O6

Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
1	Single-Family Residence	133	C
10	Commercial	135	P
11	Single-Family Residence	176	P
34	Single-Family Residence	140	S2
35	Single-Family Residence	303	S2
40	Single-Family Residence	186	W2
41	Single-Family Residence	158	W2
42	Single-Family Residence	129	W2
51	Single-Family Residence	241	Q3
52	Single-Family Residence	228	Q3
53	Commercial	205	Q3
54	Commercial	208	Q3
55	Single-Family Residence	202	Q3
56	Single-Family Residence	289	Q3
57	Commercial	197	Q3
58	Single-Family Residence	197	Q3
59	Single-Family Residence	200	Q3
60	Single-Family Residence	199	Q3
61	Single-Family Residence	199	Q3
62	Single-Family Residence	202	Q3
63	Single-Family Residence	202	Q3
64	Single-Family Residence	210	Q3
65	Single-Family Residence	213	Q3
66	Single-Family Residence	210	Q3
67	Single-Family Residence	213	Q3
68	Single-Family Residence	215	Q3
69	Single-Family Residence	216	Q3
70	Single-Family Residence	222	Q3
71	Single-Family Residence	235	Q3
72	Single-Family Residence	287	Q3
73	Multi-Family Residence	293	Q3
74	Commercial	80	Q3
90	Single-Family Residence	308	V3
91	Single-Family Residence	251	V3
501	Terminal D Ranch Airstrip	3,658	P
502	Beeville Municipal Airport	4,346	G3

**Table 5-23 Habitable Structures and Other Land Use Features in the Vicinity of the Primary
Alternative Three Rivers - Borglum Route 21**

Link Combinations: A-C-H-L-U6-P-T-Y-J1-K1-R1-Z1-B2-E2-R2-S2-W2-G3-Q3-V3-O6

Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
600	AM Radio Tower	3,460	O6
603	Other Electronic Installation	1,712	W2
604	Other Electronic Installation	166	Q3
605	Other Electronic Installation	183	Q3

¹ Due to the potential horizontal inaccuracies of the aerial photography and data utilized, all habitable structures within 311' have been identified.

² Distances to sensitive cultural resource sites are not provided for protection of the sites.

**Table 5-24 Habitable Structures and Other Land Use Features in the Vicinity of the Primary
Alternative Borglum - Tuleta Route 1**

Link Combinations: X3-E4-G4-J4-L4-N4-C7-D7-Z5-U5-A6-Y5-R5

Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
95	Multi-Family Residence	267	X3
96	Multi-Family Residence	273	X3
97	Multi-Family Residence	230	X3
98	Multi-Family Residence	158	X3
99	Multi-Family Residence	232	X3
100	Multi-Family Residence	176	X3
101	Multi-Family Residence	140	X3
102	Multi-Family Residence	108	E4
103	Multi-Family Residence	63	E4
104	Multi-Family Residence	70	E4
105	Multi-Family Residence	243	E4
106	Multi-Family Residence	147	E4
107	Multi-Family Residence	305	E4
108	Multi-Family Residence	75	E4
109	Multi-Family Residence	91	E4
110	Multi-Family Residence	161	E4
111	Multi-Family Residence	237	E4
112	Multi-Family Residence	306	E4
113	Multi-Family Residence	106	E4
114	Multi-Family Residence	102	E4
115	Multi-Family Residence	100	E4
116	Multi-Family Residence	61	E4
117	Multi-Family Residence	305	E4
118	Multi-Family Residence	71	E4
119	Multi-Family Residence	155	E4
132	Single-Family Residence	231	E4
133	Single-Family Residence	233	E4
134	Single-Family Residence	256	E4
135	Single-Family Residence	266	E4
136	Multi-Family Residence	218	E4
138	Single-Family Residence	170	D7
139	Single-Family Residence	289	N4
165	Single-Family Residence	205	U5
166	Single-Family Residence	272	A6
502	Beeville Municipal Airport	18,133	X3
503	Chase Field Industrial Airport	13,645	G4

**Table 5-24 Habitable Structures and Other Land Use Features in the Vicinity of the Primary
Alternative Borglum - Tuleta Route 1****Link Combinations: X3-E4-G4-J4-L4-N4-C7-D7-Z5-U5-A6-Y5-R5**

Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
504	The Flat Airstrip	7,284	U5
600	AM Radio Tower	2,304	E4
606	Unidentified Electronic Installation	1,564	A6

¹ Due to the potential horizontal inaccuracies of the aerial photography and data utilized, all habitable structures within 311' have been identified.² Distances to sensitive cultural resource sites are not provided for protection of the sites.

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**Table 5-25 Habitable Structures and Other Land Use Features in the Vicinity of the Primary
Alternative Borglum - Tuleta Route 2**

Link Combinations: X3-G6-Z3-C4-D4-K4-P4-U4-A5-E5-K5-L5-O5-Q5-R5

Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
94	Single-Family Residence	219	Z3
95	Multi-Family Residence	267	X3
96	Multi-Family Residence	273	X3
97	Multi-Family Residence	230	X3
98	Multi-Family Residence	158	X3
99	Multi-Family Residence	232	X3
100	Multi-Family Residence	176	X3
101	Multi-Family Residence	140	X3
102	Multi-Family Residence	126	X3
103	Multi-Family Residence	143	X3
104	Multi-Family Residence	261	X3
153	Single-Family Residence	252	U4
154	Single-Family Residence	223	U4
155	Single-Family Residence	163	U4
156	Single-Family Residence	285	U4
157	Single-Family Residence	276	U4
158	Single-Family Residence	187	U4
159	Single-Family Residence	236	U4
160	Single-Family Residence	278	U4
163	Single-Family Residence	243	K5
164	Single-Family Residence	261	K5
502	Beeville Municipal Airport	18,133	X3
503	Chase Field Industrial Airport	3,119	D4
504	The Flat Airstrip	3,383	E5
600	AM Radio Tower	2,711	X3

¹ Due to the potential horizontal inaccuracies of the aerial photography and data utilized, all habitable structures within 311' have been identified.

² Distances to sensitive cultural resource sites are not provided for protection of the sites.

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**Table 5-26 Habitable Structures and Other Land Use Features in the Vicinity of the Primary
Alternative Borglum - Tuleta Route 3**

Link Combinations: X3-E4-F4-B7-I4-J4-L4-N4-R4-A5-E5-H5-L5-M5-A6-Y5-R5			
Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
95	Multi-Family Residence	267	X3
96	Multi-Family Residence	273	X3
97	Multi-Family Residence	230	X3
98	Multi-Family Residence	158	X3
99	Multi-Family Residence	232	X3
100	Multi-Family Residence	176	X3
101	Multi-Family Residence	140	X3
102	Multi-Family Residence	108	E4
103	Multi-Family Residence	63	E4
104	Multi-Family Residence	70	E4
105	Multi-Family Residence	243	E4
106	Multi-Family Residence	147	E4
107	Multi-Family Residence	305	E4
108	Multi-Family Residence	75	E4
109	Multi-Family Residence	91	E4
110	Multi-Family Residence	161	E4
111	Multi-Family Residence	237	E4
112	Multi-Family Residence	306	E4
113	Multi-Family Residence	106	E4
114	Multi-Family Residence	102	E4
115	Multi-Family Residence	100	E4
116	Multi-Family Residence	61	E4
117	Multi-Family Residence	305	E4
118	Multi-Family Residence	71	E4
119	Multi-Family Residence	155	E4
132	Single-Family Residence	231	E4
133	Single-Family Residence	233	E4
134	Single-Family Residence	256	E4
135	Single-Family Residence	266	E4
136	Multi-Family Residence	218	E4
139	Single-Family Residence	289	N4
161	Single-Family Residence	206	H5
162	Single-Family Residence	134	H5
163	Single-Family Residence	231	H5
166	Single-Family Residence	272	A6
502	Beeville Municipal Airport	18,133	X3

**Table 5-26 Habitable Structures and Other Land Use Features in the Vicinity of the Primary
Alternative Borglum - Tuleta Route 3**

Link Combinations: X3-E4-F4-B7-I4-J4-L4-N4-R4-A5-E5-H5-L5-M5-A6-Y5-R5			
Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
503	Chase Field Industrial Airport	10,691	B7
504	The Flat Airstrip	2,178	H5
600	AM Radio Tower	2,304	E4
606	Unidentified Electronic Installation	1,564	A6

¹ Due to the potential horizontal inaccuracies of the aerial photography and data utilized, all habitable structures within 311' have been identified.

² Distances to sensitive cultural resource sites are not provided for protection of the sites.

**Table 5-27 Habitable Structures and Other Land Use Features in the Vicinity of the Primary
Alternative Borglum - Tuleta Route 4****Link Combinations: Y3-I6-L6-Z3-C4-Z6-B7-I4-J4-L4-N4-C7-O4-S4-B5-E5-K5-L5-M5-A6-Y5-R5**

Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
94	Single-Family Residence	219	Z3
120	Single-Family Residence	210	Z6
121	Single-Family Residence	168	Z6
122	Single-Family Residence	173	Z6
123	Single-Family Residence	207	Z6
124	Single-Family Residence	160	Z6
125	Single-Family Residence	175	Z6
126	Single-Family Residence	203	Z6
127	Single-Family Residence	177	Z6
128	Single-Family Residence	150	Z6
129	Single-Family Residence	203	Z6
130	Single-Family Residence	90	Z6
131	Single-Family Residence	252	Z6
139	Single-Family Residence	289	N4
142	Single-Family Residence	164	O4
143	Single-Family Residence	193	O4
144	Single-Family Residence	195	O4
145	Single-Family Residence	185	O4
146	Single-Family Residence	202	O4
147	Single-Family Residence	200	O4
148	Single-Family Residence	179	O4
149	Single-Family Residence	221	O4
150	Single-Family Residence	210	O4
151	Single-Family Residence	180	O4
152	Single-Family Residence	290	O4
163	Single-Family Residence	243	K5
164	Single-Family Residence	261	K5
166	Single-Family Residence	272	A6
502	Beeville Municipal Airport	17,446	I6
503	Chase Field Industrial Airport	8,265	Z6
504	The Flat Airstrip	3,383	E5
600	AM Radio Tower	3,460	Y3
606	Unidentified Electronic Installation	1,564	A6

¹ Due to the potential horizontal inaccuracies of the aerial photography and data utilized, all habitable structures within 311' have been identified.² Distances to sensitive cultural resource sites are not provided for protection of the sites.

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**Table 5-28 Habitable Structures and Other Land Use Features in the Vicinity of the Primary
Alternative Borglum - Tuleta Route 5**

Link Combinations: X3-E4-G4-J4-L4-N4-C7-O4-S4-Y4-U5-A6-Y5-R5

Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
95	Multi-Family Residence	267	X3
96	Multi-Family Residence	273	X3
97	Multi-Family Residence	230	X3
98	Multi-Family Residence	158	X3
99	Multi-Family Residence	232	X3
100	Multi-Family Residence	176	X3
101	Multi-Family Residence	140	X3
102	Multi-Family Residence	108	E4
103	Multi-Family Residence	63	E4
104	Multi-Family Residence	70	E4
105	Multi-Family Residence	243	E4
106	Multi-Family Residence	147	E4
107	Multi-Family Residence	305	E4
108	Multi-Family Residence	75	E4
109	Multi-Family Residence	91	E4
110	Multi-Family Residence	161	E4
111	Multi-Family Residence	237	E4
112	Multi-Family Residence	306	E4
113	Multi-Family Residence	106	E4
114	Multi-Family Residence	102	E4
115	Multi-Family Residence	100	E4
116	Multi-Family Residence	61	E4
117	Multi-Family Residence	305	E4
118	Multi-Family Residence	71	E4
119	Multi-Family Residence	155	E4
132	Single-Family Residence	231	E4
133	Single-Family Residence	233	E4
134	Single-Family Residence	256	E4
135	Single-Family Residence	266	E4
136	Multi-Family Residence	218	E4
139	Single-Family Residence	289	N4
142	Single-Family Residence	164	O4
143	Single-Family Residence	193	O4
144	Single-Family Residence	195	O4
145	Single-Family Residence	185	O4
146	Single-Family Residence	202	O4

**Table 5-28 Habitable Structures and Other Land Use Features in the Vicinity of the Primary
Alternative Borglum - Tuleta Route 5**

Link Combinations: X3-E4-G4-J4-L4-N4-C7-O4-S4-Y4-U5-A6-Y5-R5

Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
147	Single-Family Residence	200	O4
148	Single-Family Residence	179	O4
149	Single-Family Residence	221	O4
150	Single-Family Residence	210	O4
151	Single-Family Residence	180	O4
152	Single-Family Residence	290	O4
165	Single-Family Residence	205	U5
166	Single-Family Residence	272	A6
502	Beeville Municipal Airport	18,133	X3
503	Chase Field Industrial Airport	13,645	G4
504	The Flat Airstrip	7,284	U5
600	AM Radio Tower	2,304	E4
606	Unidentified Electronic Installation	1,564	A6

¹ Due to the potential horizontal inaccuracies of the aerial photography and data utilized, all habitable structures within 311' have been identified.

² Distances to sensitive cultural resource sites are not provided for protection of the sites.

**Table 5-29 Habitable Structures and Other Land Use Features in the Vicinity of the Primary
Alternative Borglum - Tuleta Route 6****Link Combinations: X3-E4-F4-B7-I4-J4-L4-N4-C7-O4-C6-Z5-U5-A6-Y5-R5**

Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
95	Multi-Family Residence	267	X3
96	Multi-Family Residence	273	X3
97	Multi-Family Residence	230	X3
98	Multi-Family Residence	158	X3
99	Multi-Family Residence	232	X3
100	Multi-Family Residence	176	X3
101	Multi-Family Residence	140	X3
102	Multi-Family Residence	108	E4
103	Multi-Family Residence	63	E4
104	Multi-Family Residence	70	E4
105	Multi-Family Residence	243	E4
106	Multi-Family Residence	147	E4
107	Multi-Family Residence	305	E4
108	Multi-Family Residence	75	E4
109	Multi-Family Residence	91	E4
110	Multi-Family Residence	161	E4
111	Multi-Family Residence	237	E4
112	Multi-Family Residence	306	E4
113	Multi-Family Residence	106	E4
114	Multi-Family Residence	102	E4
115	Multi-Family Residence	100	E4
116	Multi-Family Residence	61	E4
117	Multi-Family Residence	305	E4
118	Multi-Family Residence	71	E4
119	Multi-Family Residence	155	E4
132	Single-Family Residence	231	E4
133	Single-Family Residence	233	E4
134	Single-Family Residence	256	E4
135	Single-Family Residence	266	E4
136	Multi-Family Residence	218	E4
139	Single-Family Residence	289	N4
142	Single-Family Residence	164	O4
143	Single-Family Residence	193	O4
144	Single-Family Residence	195	O4
145	Single-Family Residence	185	O4
146	Single-Family Residence	202	O4

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**Table 5-29 Habitable Structures and Other Land Use Features in the Vicinity of the Primary
Alternative Borglum - Tuleta Route 6**

Link Combinations: X3-E4-F4-B7-I4-J4-L4-N4-C7-O4-C6-Z5-U5-A6-Y5-R5

Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
147	Single-Family Residence	200	O4
148	Single-Family Residence	179	O4
149	Single-Family Residence	221	O4
150	Single-Family Residence	210	O4
151	Single-Family Residence	180	O4
152	Single-Family Residence	290	O4
165	Single-Family Residence	205	U5
166	Single-Family Residence	272	A6
502	Beeville Municipal Airport	18,133	X3
503	Chase Field Industrial Airport	10,691	B7
504	The Flat Airstrip	7,284	U5
600	AM Radio Tower	2,304	E4
606	Unidentified Electronic Installation	1,564	A6

¹ Due to the potential horizontal inaccuracies of the aerial photography and data utilized, all habitable structures within 311' have been identified.

² Distances to sensitive cultural resource sites are not provided for protection of the sites.

**Table 5-30 Habitable Structures and Other Land Use Features in the Vicinity of the Primary
Alternative Borglum - Tuleta Route 7**

Link Combinations: X3-G6-Z3-C4-Z6-B7-I4-J4-L4-Q4-U4-A5-E5-H5-L5-O5-Y5-R5

Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
94	Single-Family Residence	219	Z3
95	Multi-Family Residence	267	X3
96	Multi-Family Residence	273	X3
97	Multi-Family Residence	230	X3
98	Multi-Family Residence	158	X3
99	Multi-Family Residence	232	X3
100	Multi-Family Residence	176	X3
101	Multi-Family Residence	140	X3
102	Multi-Family Residence	126	X3
103	Multi-Family Residence	143	X3
104	Multi-Family Residence	261	X3
120	Single-Family Residence	210	Z6
121	Single-Family Residence	168	Z6
122	Single-Family Residence	173	Z6
123	Single-Family Residence	207	Z6
124	Single-Family Residence	160	Z6
125	Single-Family Residence	175	Z6
126	Single-Family Residence	203	Z6
127	Single-Family Residence	177	Z6
128	Single-Family Residence	150	Z6
129	Single-Family Residence	203	Z6
130	Single-Family Residence	90	Z6
131	Single-Family Residence	252	Z6
139	Single-Family Residence	276	Q4
140	Single-Family Residence	295	Q4
141	Weigh station	223	Q4
153	Single-Family Residence	252	U4
154	Single-Family Residence	223	U4
155	Single-Family Residence	163	U4
156	Single-Family Residence	285	U4
157	Single-Family Residence	276	U4
158	Single-Family Residence	187	U4
159	Single-Family Residence	236	U4
160	Single-Family Residence	278	U4
161	Single-Family Residence	206	H5
162	Single-Family Residence	134	H5

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**Table 5-30 Habitable Structures and Other Land Use Features in the Vicinity of the Primary
Alternative Borglum - Tuleta Route 7**

Link Combinations: X3-G6-Z3-C4-Z6-B7-I4-J4-L4-Q4-U4-A5-E5-H5-L5-O5-Y5-R5			
Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
502	Beeville Municipal Airport	18,133	X3
503	Chase Field Industrial Airport	8,265	Z6
504	The Flat Airstrip	2,178	H5
600	AM Radio Tower	2,711	X3

¹ Due to the potential horizontal inaccuracies of the aerial photography and data utilized, all habitable structures within 311' have been identified.

² Distances to sensitive cultural resource sites are not provided for protection of the sites.

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**Table 5-31 Habitable Structures and Other Land Use Features in the Vicinity of the Primary
Alternative Borglum - Tuleta Route 8**

Link Combinations: X3-E4-G4-J4-M4-P4-U4-A5-E5-K5-L5-M5-A6-Y5-R5			
Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
163	Single-Family Residence	231	H5
95	Multi-Family Residence	267	X3
96	Multi-Family Residence	273	X3
97	Multi-Family Residence	230	X3
98	Multi-Family Residence	158	X3
99	Multi-Family Residence	232	X3
100	Multi-Family Residence	176	X3
101	Multi-Family Residence	140	X3
102	Multi-Family Residence	108	E4
103	Multi-Family Residence	63	E4
104	Multi-Family Residence	70	E4
105	Multi-Family Residence	243	E4
106	Multi-Family Residence	147	E4
107	Multi-Family Residence	305	E4
108	Multi-Family Residence	75	E4
109	Multi-Family Residence	91	E4
110	Multi-Family Residence	161	E4
111	Multi-Family Residence	237	E4
112	Multi-Family Residence	306	E4
113	Multi-Family Residence	106	E4
114	Multi-Family Residence	102	E4
115	Multi-Family Residence	100	E4
116	Multi-Family Residence	61	E4
117	Multi-Family Residence	305	E4
118	Multi-Family Residence	71	E4
119	Multi-Family Residence	155	E4
132	Single-Family Residence	231	E4
133	Single-Family Residence	233	E4
134	Single-Family Residence	256	E4
135	Single-Family Residence	266	E4
136	Multi-Family Residence	218	E4
137	Single-Family Residence	160	M4
153	Single-Family Residence	252	U4
154	Single-Family Residence	223	U4
155	Single-Family Residence	163	U4
156	Single-Family Residence	285	U4

**Table 5-31 Habitable Structures and Other Land Use Features in the Vicinity of the Primary
Alternative Borglum - Tuleta Route 8**

Link Combinations: X3-E4-G4-J4-M4-P4-U4-A5-E5-K5-L5-M5-A6-Y5-R5

Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
157	Single-Family Residence	276	U4
158	Single-Family Residence	187	U4
159	Single-Family Residence	236	U4
160	Single-Family Residence	278	U4
163	Single-Family Residence	243	K5
164	Single-Family Residence	261	K5
166	Single-Family Residence	272	A6
502	Beeville Municipal Airport	18,133	X3
503	Chase Field Industrial Airport	13,645	G4
504	The Flat Airstrip	3,383	E5
600	AM Radio Tower	2,304	E4
606	Unidentified Electronic Installation	1,564	A6

¹ Due to the potential horizontal inaccuracies of the aerial photography and data utilized, all habitable structures within 311' have been identified.

² Distances to sensitive cultural resource sites are not provided for protection of the sites.

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**Table 5-32 Habitable Structures and Other Land Use Features in the Vicinity of the Primary
Alternative Borglum - Tuleta Route 9**

Link Combinations: X3-E4-F4-B7-H4-K4-P4-U4-A5-E5-K5-L5-M5-A6-Y5-R5

Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
95	Multi-Family Residence	267	X3
96	Multi-Family Residence	273	X3
97	Multi-Family Residence	230	X3
98	Multi-Family Residence	158	X3
99	Multi-Family Residence	232	X3
100	Multi-Family Residence	176	X3
101	Multi-Family Residence	140	X3
102	Multi-Family Residence	108	E4
103	Multi-Family Residence	63	E4
104	Multi-Family Residence	70	E4
105	Multi-Family Residence	243	E4
106	Multi-Family Residence	147	E4
107	Multi-Family Residence	305	E4
108	Multi-Family Residence	75	E4
109	Multi-Family Residence	91	E4
110	Multi-Family Residence	161	E4
111	Multi-Family Residence	237	E4
112	Multi-Family Residence	306	E4
113	Multi-Family Residence	106	E4
114	Multi-Family Residence	102	E4
115	Multi-Family Residence	100	E4
116	Multi-Family Residence	61	E4
117	Multi-Family Residence	305	E4
118	Multi-Family Residence	71	E4
119	Multi-Family Residence	155	E4
132	Single-Family Residence	231	E4
133	Single-Family Residence	233	E4
134	Single-Family Residence	256	E4
135	Single-Family Residence	266	E4
136	Multi-Family Residence	218	E4
153	Single-Family Residence	252	U4
154	Single-Family Residence	223	U4
155	Single-Family Residence	163	U4
156	Single-Family Residence	285	U4
157	Single-Family Residence	276	U4
158	Single-Family Residence	187	U4

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**Table 5-32 Habitable Structures and Other Land Use Features in the Vicinity of the Primary
Alternative Borglum - Tuleta Route 9**

Link Combinations: X3-E4-F4-B7-H4-K4-P4-U4-A5-E5-K5-L5-M5-A6-Y5-R5

Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
159	Single-Family Residence	236	U4
160	Single-Family Residence	278	U4
163	Single-Family Residence	243	K5
164	Single-Family Residence	261	K5
166	Single-Family Residence	272	A6
502	Beeville Municipal Airport	18133	X3
503	Chase Field Industrial Airport	10691	B7
504	The Flat Airstrip	3383	E5
600	AM Radio Tower	2304	E4
606	Unidentified Electronic Installation	1564	A6

¹ Due to the potential horizontal inaccuracies of the aerial photography and data utilized, all habitable structures within 311' have been identified.

² Distances to sensitive cultural resource sites are not provided for protection of the sites.

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**Table 5-33 Habitable Structures and Other Land Use Features in the Vicinity of the Primary
Alternative Borglum - Tuleta Route 10**

Link Combinations: X3-G6-Z3-C4-Z6-B7-I4-J4-L4-N4-C7-D7-Z5-U5-A6-Y5-R5			
Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
94	Single-Family Residence	219	Z3
95	Multi-Family Residence	267	X3
96	Multi-Family Residence	273	X3
97	Multi-Family Residence	230	X3
98	Multi-Family Residence	158	X3
99	Multi-Family Residence	232	X3
100	Multi-Family Residence	176	X3
101	Multi-Family Residence	140	X3
102	Multi-Family Residence	126	X3
103	Multi-Family Residence	143	X3
104	Multi-Family Residence	261	X3
120	Single-Family Residence	210	Z6
121	Single-Family Residence	168	Z6
122	Single-Family Residence	173	Z6
123	Single-Family Residence	207	Z6
124	Single-Family Residence	160	Z6
125	Single-Family Residence	175	Z6
126	Single-Family Residence	203	Z6
127	Single-Family Residence	177	Z6
128	Single-Family Residence	150	Z6
129	Single-Family Residence	203	Z6
130	Single-Family Residence	90	Z6
131	Single-Family Residence	252	Z6
138	Single-Family Residence	170	D7
139	Single-Family Residence	289	N4
165	Single-Family Residence	205	U5
166	Single-Family Residence	272	A6
502	Beeville Municipal Airport	18,133	X3
503	Chase Field Industrial Airport	8,265	Z6
504	The Flat Airstrip	7,284	U5
600	AM Radio Tower	2,711	X3
606	Unidentified Electronic Installation	1,564	A6

¹ Due to the potential horizontal inaccuracies of the aerial photography and data utilized, all habitable structures within 311' have been identified.

² Distances to sensitive cultural resource sites are not provided for protection of the sites.

**Table 5-34 Habitable Structures and Other Land Use Features in the Vicinity of the Primary
Alternative Borglum - Tuleta Route 11**

Link Combinations: Y3-I6-L6-Z3-C4-D4-K4-M4-L4-N4-C7-D7-Z5-U5-A6-Y5-R5			
Map Number	Structure or Feature	Approximate Distance from Route Centerline¹ (feet)	Nearest Alternative Route Link²
94	Single-Family Residence	219	Z3
137	Single-Family Residence	160	M4
138	Single-Family Residence	170	D7
139	Single-Family Residence	289	N4
165	Single-Family Residence	205	U5
166	Single-Family Residence	272	A6
502	Beeville Municipal Airport	17,446	I6
503	Chase Field Industrial Airport	3,119	D4
504	The Flat Airstrip	7,284	U5
600	AM Radio Tower	3,460	Y3
606	Unidentified Electronic Installation	1,564	A6

¹ Due to the potential horizontal inaccuracies of the aerial photography and data utilized, all habitable structures within 311' have been identified.² Distances to sensitive cultural resource sites are not provided for protection of the sites.

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POWER ENGINEERS, INC.
AEP Texas Three Rivers - Borglum - Tuleta Transmission Line Project

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Appendix A
Agency Correspondence

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**Three Rivers-Borglum-Tuleta Transmission Line Project
Federal, State and Local Contacts**

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Federal Emergency Management Agency
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**Three Rivers-Borglum-Tuleta Transmission Line Project
Federal, State and Local Contacts**

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Deputy Executive Administrator of Planning
Texas Water Development Board
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Austin, TX 78711-3231

BEE COUNTY

The Honorable Stephanie A. Silvas
County Judge
Bee County
105 W. Corpus Christi St., Rm. #109
Beeville, TX 78102

The Honorable Carlos Salazar, Jr.
Bee County Commissioner
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105 W. Corpus Christi St., Rm. #105
Beeville, TX 78102

The Honorable Dennis DeWitt
Bee County Commissioner
Precinct 2
105 W. Corpus Christi St., Rm. #104
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The Honorable Eloy Rodriguez
Bee County Commissioner
Precinct 3
105 W. Corpus Christi St., Rm. #107
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The Honorable Kenneth Haggard
Bee County Commissioner
Precinct 4
105 W. Corpus Christi St., Rm. #106
Beeville, TX 78102

The Honorable David Carabajal
Mayor
City of Beeville
400 N. Washington
Beeville, TX 78102

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President
Bee County Farm Bureau Office
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Beeville, TX 78104

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Dr. Randy Hoyer
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LIVE OAK COUNTY

The Honorable Jim Huff
County Judge
Live Oak County
P.O. Box 487
George West, TX 78022

The Honorable Richard Lee
Live Oak County Commissioner
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The Honorable Donna Kopplin Mills
Live Oak County Commissioner
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The Honorable Willie James
Live Oak County Commissioner
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George West, TX 78022

Three Rivers-Borglum-Tuleta Transmission Line Project
Federal, State and Local Contacts

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Three Rivers, TX 78071

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Program Director
The Nature Conservancy (South Texas)
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Corpus Christi, TX 78401

Ms. Pat Merkord
Executive Director
Native Prairies Association of Texas
415 N. Guadalupe Street, PMB 385
San Marcos, TX 78666



POWER ENGINEERS, INC.
509 N SAM HOUSTON PKWY EAST
SUITE 200
HOUSTON TX 77060 USA

PHONE 281-765-5500
FAX 281 765 5599

June 13, 2016
(Via Mail)

Mr. Kevin L. Solco
Southwest Regional Administrator
Federal Aviation Administration
10101 Hillwood Parkway
Fort Worth, TX 76177-1524

Re: AEP Texas Central Company Three Rivers – Borglum – Tuleta Transmission Line Project
Live Oak and Bee Counties, Texas
POWER Engineers, Inc. Project No. 142467/142468

Dear Mr. Solco:

AEP Texas Central Company (AEP TCC) will be filing an application with the Public Utility Commission of Texas (PUC) to amend its Certificate of Convenience and Necessity (CCN) to construct new transmission facilities in Live Oak and Bee Counties, Texas. The proposed transmission facilities include a new 138-kV transmission line that will be constructed from the existing AEP TCC Three Rivers Substation to a new AEP TCC Borglum Substation to be located approximately two miles south of Beeville, Texas. The proposed transmission facilities also include a new double-circuit 69/138-kV transmission line constructed from the new Borglum Substation to the existing AEP TCC Tuleta Substation located north of Tuleta, Texas. The preliminary study area is shown on the enclosed map.

POWER Engineers, Inc. (POWER) is preparing an Environmental Assessment (EA) to support AEP TCC's CCN application with the PUC. POWER is gathering data on the existing environment and identifying environmental, cultural and land use constraints within the study area. POWER will identify potential alternative route links between the three end points that consider these environmental, cultural and land use constraints and the need to serve electrical load in the area.

We are requesting that your agency/office provide information concerning environmental and land use constraints or other issues of interest to your agency/office within the study area. Your input will be an important consideration in the evaluation of alternative routes and in the assessment of potential impacts of those routes. In addition, we would appreciate receiving information about any permits, easements, or other approvals by your agency/office that you believe could affect this project, or if you are aware of any major proposed development or construction in the study area. Upon certification of a final route for the proposed project, AEP TCC will identify and obtain necessary permits, if required, from your agency/office.

June 13, 2016

Thank you for your assistance with this proposed electric transmission line project. Please contact me by phone at 281-765-5507, or by e-mail at lisa.barko@powereng.com if you have any questions or require additional information. We would appreciate receiving your reply by July 9, 2016.

Sincerely,



Lisa Barko Meaux
Project Manager

Enclosure(s).
Preliminary Study Area Map

Sent Via Mail
ProjectWise 142468
PER-01

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U.S. Department
of Transportation
**Federal Aviation
Administration**

Southwest Region
10101 Hillwood Parkway
Fort Worth, TX 76177

JUN 24 2016

Lisa Barko Meaux
Power Engineers, Inc.
509 N Sam Houston Pkwy East
Suite 200
Houston, TX 77060

Dear Ms. Meaux:

This is in response to your June 13, 2016 correspondence concerning proposed new transmission facilities in Live Oak and Bee Counties, Texas. You requested information concerning environmental and land use constraints or other issues within the study area. You also requested information regarding any permits, easements, or other approvals by the agency that may affect the project.

As stated in Title 14 of the Code of Federal Regulations (14 CFR) Part 77, Objects that Affect the Navigable Airspace, the prime objectives of the FAA are to promote air safety and the efficient use of the navigable airspace.

To accomplish this mission, aeronautical studies are conducted based on information provided by the proponents on a FAA Form 7460-1, Notice of Proposed Construction or Alteration. If your organization is planning to sponsor any construction or alterations which may affect navigable airspace, you must file FAA Form 7460-1 electronically via <https://oeaaa.faa.gov/oeaaa/external/portal.jsp>.

For future reference, you may contact the Obstruction Evaluation Group at 10101 Hillwood Parkway, Fort Worth, Texas 76177 or (817) 222-5934.

Sincerely,

A handwritten signature in black ink, appearing to read "Kelvin L. Solco", written over a circular stamp or seal.

Kelvin L. Solco
Regional Administrator
Southwest Region

CC: Obstruction Evaluation Group, AJV-15



United States Department of Agriculture

Natural Resources
Conservation Service

State Office

101 S. Main Street
Temple, TX 76501
Voice 254.742.9800
Fax 254.742.9819

June 28th, 2016

Power Engineers
7600B N Capitol of Texas Hwy, Suite 320
Austin, Texas 78731

Attention: Lisa Barko Meaux

Subject: Proposed Bee and Live Oak Counties, TX Transmission Line
AEP Texas Central Company Three Rivers – Borglum – Tuleta
Transmission Line Project
Project No. 142467/142468
Environmental Assessment

We have reviewed the information provided in your correspondence dated June 13th, 2016, concerning the proposed transmission lines in Bee and Live Oak Counties, Texas. Thank you for the opportunity to provide input on the potential environmental effects of constructing transmission lines within the proposed project area.

Due to the large project area size, the area was divided into three sections; the Live Oak County Section, the Bee County West Section, and the Bee County East Section. The attached documents refer to these areas individually.

The soils in the study area have several soil and landform factors that you need to be aware of. There are limitations resulting from flooding/ponding hazards and hydric soils, along with areas of prime farmland that may be important to your environmental impact. Several waterbodies intersect the proposed project area by way of creeks and draws or natural depressions. Wetlands may also be present in these areas. Approximately 40 percent of the map units contain hydric soils, although they are less prevalent in Live Oak County, TX. Approximately 70 percent of the soils are prime farmland. We have enclosed a Web Soil Survey map illustrating the location of the soils.

We do not consider power lines to be a conversion of farmland because the site can still be used after construction. However, if you plan on installing any permanent substations or similar structures, the sites are required to be evaluated as required by the Farmland Protection Policy Act (FPPA) and a Farmland Conversion Impact Rating (AD-1006) must be completed.

We encourage you to consider this information during the construction of the proposed project and take measures to protect the soils and water quality.

If you have any questions, please contact me at (254)742-9836 or by email at carlos.villarreal@tx.usda.gov

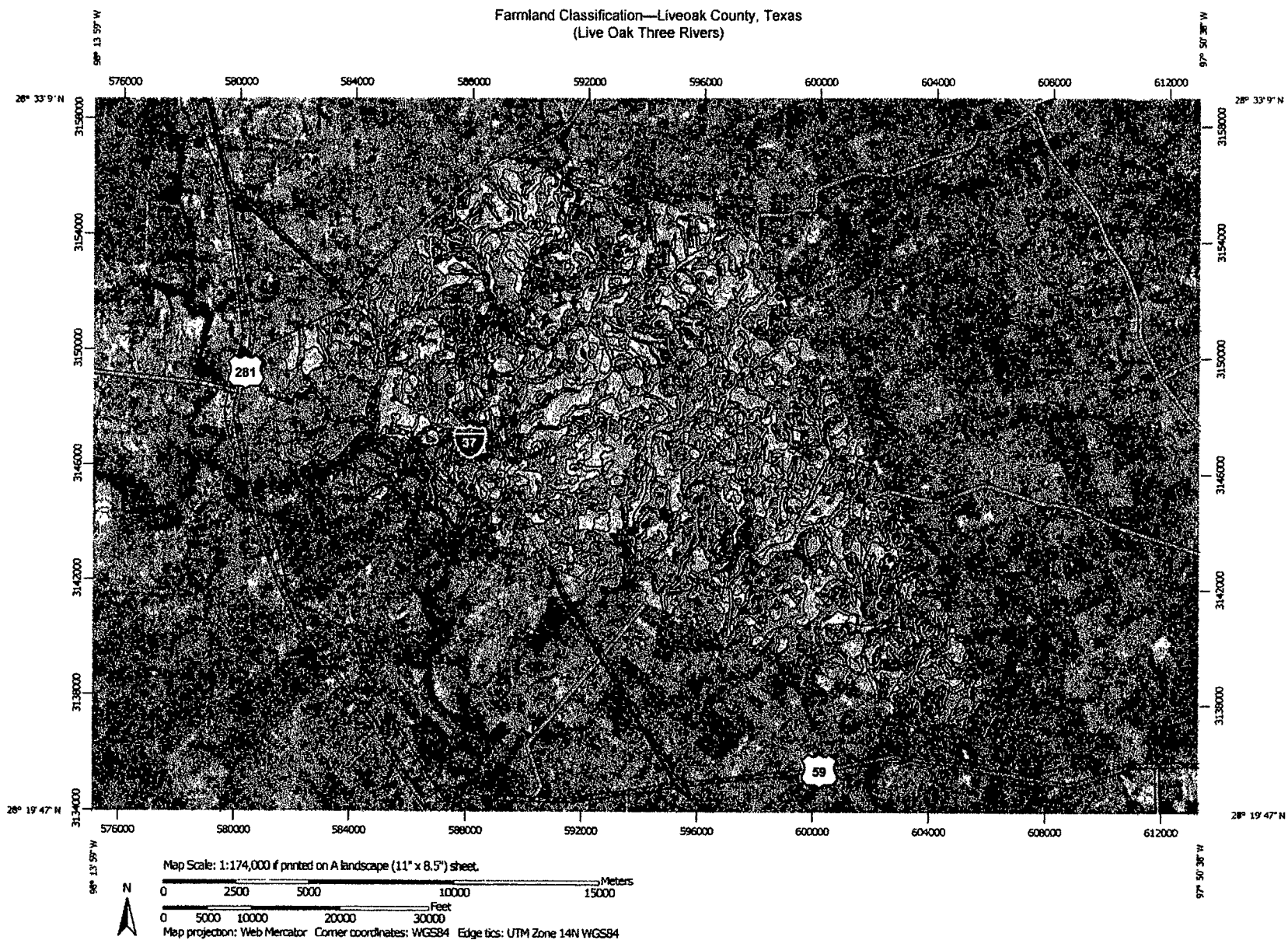
Sincerely,

CARLOS
VILLARREAL

Digitally signed by CARLOS
VILLARREAL
DN: c=US, o=U.S. Government,
ou=Department of Agriculture,
cn=CARLOS VILLARREAL,
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188866
Date: 2016.06.29 09:31:13 -05'00'

Carlos J. Villarreal
Soil Scientist

Attachment



Natural Resources
 Conservation Service


Web Soil Survey
 National Cooperative Soil Survey

6/28/2016
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Farmland Classification—Liveoak County, Texas
(Live Oak Three Rivers)









MAP LEGEND








Area of Interest (AOI)

 Area of Interest (AOI)




Soils








Soil Rating Polygons






-  Not prime farmland
-  All areas are prime farmland
-  Prime farmland if drained
-  Prime farmland if protected from flooding or not frequently flooded during the growing season
-  Prime farmland if irrigated
-  Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season
-  Prime farmland if irrigated and drained
-  Prime farmland if irrigated and either protected from flooding or not frequently flooded during the growing season

-  Prime farmland if subsoiled, completely removing the root inhibiting soil layer
-  Prime farmland if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60
-  Prime farmland if irrigated and reclaimed of excess salts and sodium
-  Farmland of statewide importance
-  Farmland of local importance
-  Farmland of unique importance
-  Not rated or not available







Soil Rating Lines










-  Not prime farmland
-  All areas are prime farmland
-  Prime farmland if drained

-  Prime farmland if protected from flooding or not frequently flooded during the growing season
-  Prime farmland if irrigated
-  Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season
-  Prime farmland if irrigated and drained
-  Prime farmland if irrigated and either protected from flooding or not frequently flooded during the growing season
-  Prime farmland if subsoiled, completely removing the root inhibiting soil layer
-  Prime farmland if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60

-  Prime farmland if irrigated and reclaimed of excess salts and sodium
-  Farmland of statewide importance
-  Farmland of local importance
-  Farmland of unique importance
-  Not rated or not available

Soil Rating Points

-  Not prime farmland
-  All areas are prime farmland
-  Prime farmland if drained
-  Prime farmland if protected from flooding or not frequently flooded during the growing season
-  Prime farmland if irrigated
-  Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season

-  Prime farmland if irrigated and drained
-  Prime farmland if irrigated and either protected from flooding or not frequently flooded during the growing season
-  Prime farmland if subsoiled, completely removing the root inhibiting soil layer
-  Prime farmland if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60
-  Prime farmland if irrigated and reclaimed of excess salts and sodium
-  Farmland of statewide importance
-  Farmland of local importance
-  Farmland of unique importance
-  Not rated or not available

Water Features







Natural Resources
Conservation Service

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National Cooperative Soil Survey

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Farmland Classification—Liveoak County, Texas
(Live Oak Three Rivers)

MAP INFORMATION

	Streams and Canals
Transportation	
	Rails
	Interstate Highways
	US Routes
	Major Roads
	Local Roads
Background	
	Aerial Photography

The soil surveys that comprise your AOI were mapped at 1:24,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Liveoak County, Texas
Survey Area Data: Version 11, Sep 22, 2015

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jan 1, 1999—Dec 31, 2003

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Farmland Classification—Liveoak County, Texas

Live Oak Three Rivers

Farmland Classification

Farmland Classification— Summary by Map Unit — Liveoak County, Texas (TX297)				
Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
AnC	Annarose fine sandy loam, 1 to 5 percent slopes	Prime farmland if irrigated	862.7	1.4%
BcA	Buchel clay, 0 to 1 percent slopes, occasionally flooded	All areas are prime farmland	2,609.2	4.1%
BfA	Buchel clay, 0 to 1 percent slopes, frequently flooded	Not prime farmland	1,557.2	2.5%
CeB	Choke silty clay loam, 1 to 3 percent slopes	All areas are prime farmland	333.0	0.5%
CeC	Choke silty clay loam, 3 to 5 percent slopes	All areas are prime farmland	136.8	0.2%
CkA	Clareville sandy clay loam, 0 to 1 percent slopes	All areas are prime farmland	1,305.2	2.1%
CkB	Clareville sandy clay loam, 1 to 3 percent slopes	All areas are prime farmland	646.7	1.0%
CoB	Conquista clay, 1 to 3 percent slopes	Not prime farmland	703.2	1.1%
CoG	Conquista clay, 20 to 40 percent slopes	Not prime farmland	260.7	0.4%
CtB	Cotulla clay loam, 0 to 3 percent slopes	Not prime farmland	31.0	0.0%
CyA	Coy clay loam, 0 to 1 percent slopes	All areas are prime farmland	648.5	1.0%
CyB	Coy clay loam, 1 to 3 percent slopes	All areas are prime farmland	1,578.2	2.5%
EsA	Eloso clay, 0 to 1 percent slopes	Farmland of statewide importance	363.2	0.6%
EsB	Eloso clay, 1 to 3 percent slopes	Farmland of statewide importance	660.7	1.0%
GoB	Goliad fine sandy loam, 1 to 3 percent slopes	Not prime farmland	94.7	0.1%
HnD	Hindes very gravelly sandy clay loam, 3 to 8 percent slopes	Not prime farmland	90.5	0.1%
ImA	Imogene fine sandy loam, 0 to 1 percent slopes	Not prime farmland	9.6	0.0%
LaB	Lacoste fine sandy loam, 0 to 3 percent slopes	Not prime farmland	95.4	0.2%



Farmland Classification—Liveoak County, Texas

Live Oak Three Rivers

Farmland Classification— Summary by Map Unit — Liveoak County, Texas (TX297)				
Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
MoA	Monteola clay, 0 to 1 percent slopes	All areas are prime farmland	51.9	0.1%
MoB	Monteola clay, 1 to 3 percent slopes	All areas are prime farmland	313.8	0.5%
NuC	Nusil fine sand, 1 to 5 percent slopes	Farmland of statewide importance	218.2	0.3%
OdA	Odem fine sandy loam, 0 to 1 percent slopes, occasionally flooded	Prime farmland if irrigated	578.1	0.9%
OmD	Olmos very gravelly sandy loam, 1 to 8 percent slopes	Not prime farmland	696.7	1.1%
PaB	Papalote loamy fine sand, 0 to 3 percent slopes	Prime farmland if irrigated	1,969.0	3.1%
PbA	Papalote fine sandy loam, 0 to 1 percent slopes	Prime farmland if irrigated	1,017.0	1.6%
PbB	Papalote fine sandy loam, 1 to 3 percent slopes	Prime farmland if irrigated	1,952.6	3.1%
PcB	Parrita fine sandy loam, 1 to 3 percent slopes	Not prime farmland	63.2	0.1%
PkB	Pavelek clay loam, 0 to 3 percent slopes	Not prime farmland	56.6	0.1%
PmC	Pernitas fine sandy loam, 1 to 5 percent slopes	Prime farmland if irrigated	10,241.8	16.2%
PnB	Pernitas sandy clay loam, 1 to 5 percent slopes	Prime farmland if irrigated	4,647.0	7.4%
PtC	Pettus sandy clay loam, 2 to 5 percent slopes	Not prime farmland	193.6	0.3%
Px	Pits	Not prime farmland	5.5	0.0%
RhC	Rhymes fine sand, 0 to 5 percent slopes	Not prime farmland	44.0	0.1%
RoA	Rosenbrock clay, 0 to 1 percent slopes	All areas are prime farmland	407.6	0.6%
RoB	Rosenbrock clay, 1 to 3 percent slopes	All areas are prime farmland	82.8	0.1%
RrA	Rosenbrock clay, 0 to 1 percent slopes, rarely flooded	All areas are prime farmland	106.7	0.2%
SaD	Sancajo very gravelly loam, 1 to 8 percent slopes	Not prime farmland	12.7	0.0%
SeD	Sarnosa fine sandy loam, 3 to 8 percent slopes	Not prime farmland	6,318.8	10.0%



Farmland Classification—Liveoak County, Texas

Live Oak Three Rivers

Farmland Classification— Summary by Map Unit — Liveoak County, Texas (TX297)				
Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
ShC	Schattel clay loam, 2 to 5 percent slopes	Not prime farmland	324.7	0.5%
StA	Sinton sandy clay loam, 0 to 1 percent slopes, occasionally flooded	All areas are prime farmland	1,184.4	1.9%
SxA	Sinton clay loam, 0 to 1 percent slopes, frequently flooded	Not prime farmland	1,157.1	1.8%
TcA	Tiicano clay, dry, 0 to 1 percent slopes, occasionally ponded	All areas are prime farmland	123.8	0.2%
UsC	Ustarents loamy, 2 to 5 percent slopes	Not prime farmland	328.1	0.5%
W	Water	Not prime farmland	137.5	0.2%
WaB	Weesatche fine sandy loam, 1 to 3 percent slopes	All areas are prime farmland	12,682.2	20.1%
WaC	Weesatche fine sandy loam, 2 to 5 percent slopes	All areas are prime farmland	634.4	1.0%
WeB	Weesatche sandy clay loam, 1 to 3 percent slopes	All areas are prime farmland	5,668.7	9.0%
Totals for Area of Interest			63,205.1	100.0%

Description

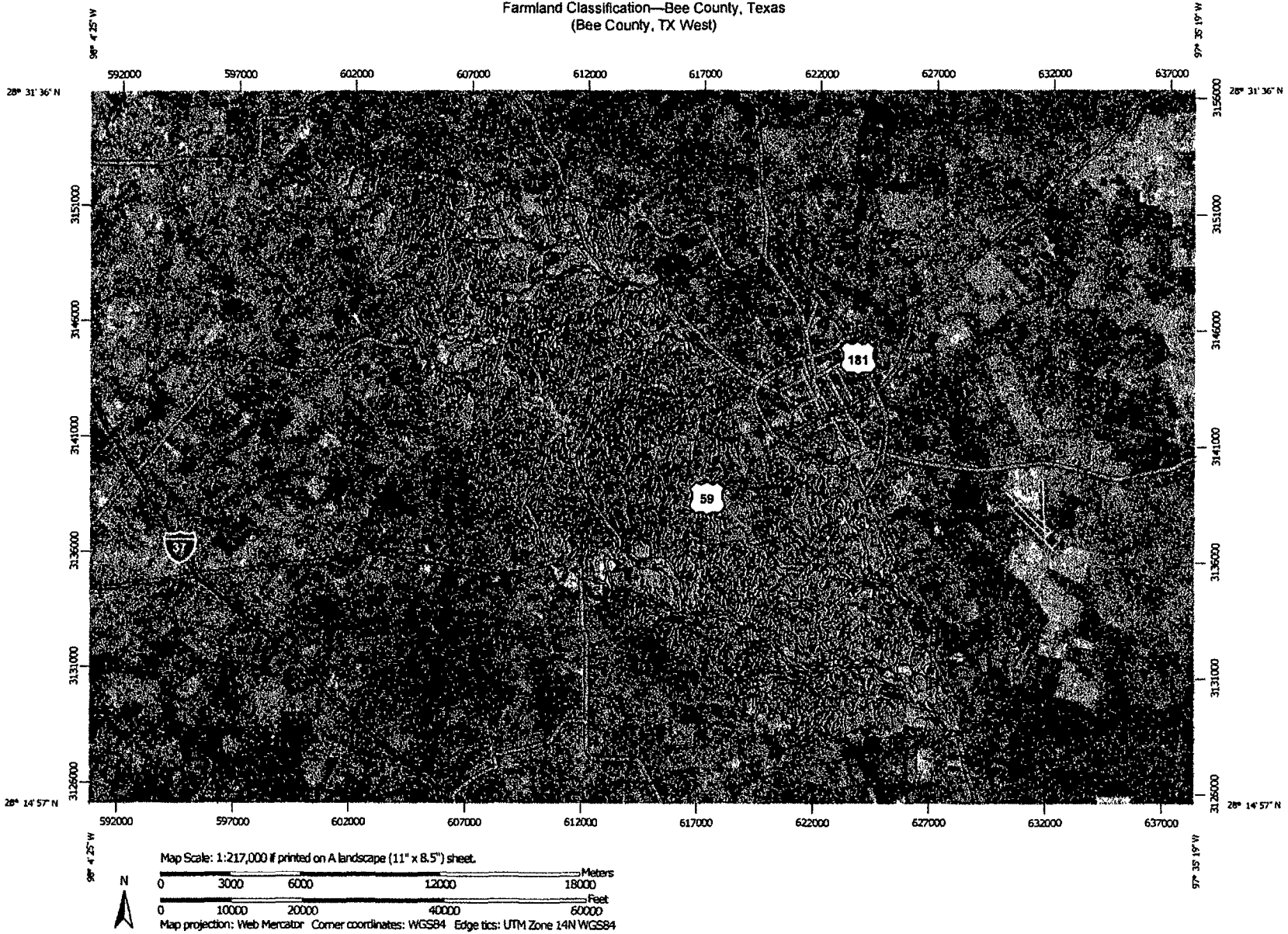
Farmland classification identifies map units as prime farmland, farmland of statewide importance, farmland of local importance, or unique farmland. It identifies the location and extent of the soils that are best suited to food, feed, fiber, forage, and oilseed crops. NRCS policy and procedures on prime and unique farmlands are published in the "Federal Register," Vol. 43, No. 21, January 31, 1978.

Rating Options

Aggregation Method: No Aggregation Necessary

Tie-break Rule: Lower

Farmland Classification—Bee County, Texas
(Bee County, TX West)

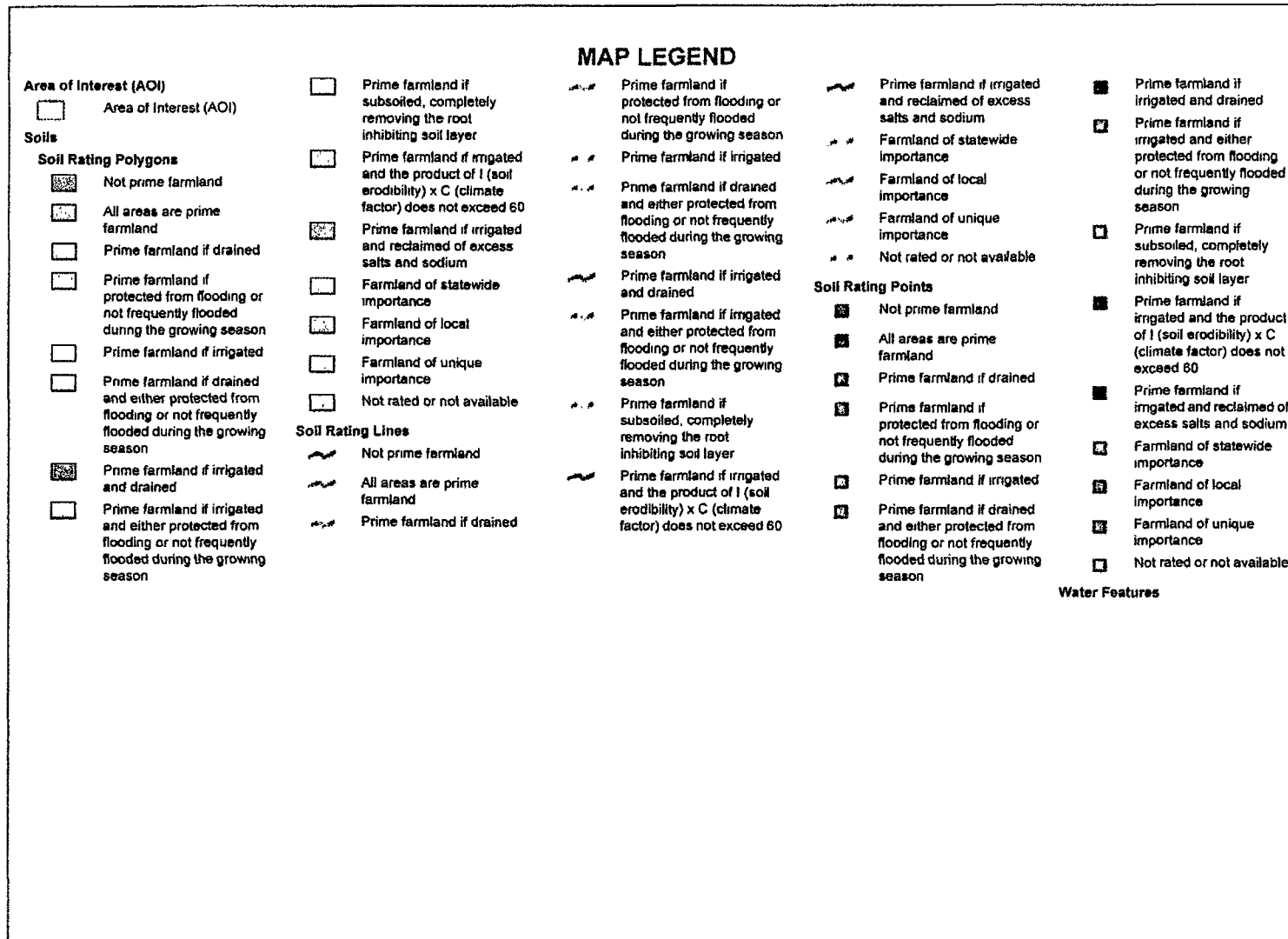


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Farmland Classification—Bee County, Texas
(Bee County, TX West)







Natural Resources
Conservation Service

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Farmland Classification—Bee County, Texas
(Bee County, TX West)

MAP INFORMATION

	Streams and Canals
Transportation	
	Rails
	Interstate Highways
	US Routes
	Major Roads
	Local Roads
Background	
	Aerial Photography

The soil surveys that comprise your AOI were mapped at 1:24,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

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Soil Survey Area: Bee County, Texas
Survey Area Data: Version 12, Sep 23, 2015

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jan 1, 1999—Dec 31, 2003

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Farmland Classification—Bee County, Texas

Bee County, TX West

Farmland Classification

Farmland Classification— Summary by Map Unit — Bee County, Texas (TX025)				
Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
1	Aransas clay	Prime farmland if drained	134.5	0.2%
3	Clareville sandy clay loam, 0 to 1 percent slopes	All areas are prime farmland	5,559.7	7.3%
4	Coy clay, 1 to 3 percent slopes	All areas are prime farmland	362.7	0.5%
5	Barquete clay, 0 to 1 percent slopes	Farmland of statewide importance	186.8	0.2%
6	Edroy clay, 0 to 1 percent slopes, ponded	Not prime farmland	266.5	0.4%
7	Goliad sandy clay loam, 0 to 1 percent slopes	Not prime farmland	1,027.8	1.4%
8	Goliad sandy clay loam, 1 to 3 percent slopes	Not prime farmland	2,610.1	3.4%
10	Lattas clay, 0 to 1 percent slopes	All areas are prime farmland	1,123.3	1.5%
11	Lattas clay, 1 to 3 percent slopes	All areas are prime farmland	85.6	0.1%
12	Leming loamy fine sand, 0 to 3 percent slopes	Prime farmland if irrigated	654.8	0.9%
13	Monteola clay, 0 to 1 percent slopes	All areas are prime farmland	164.2	0.2%
16	Odem fine sandy loam	Prime farmland if irrigated	1,228.4	1.6%
17	Olmos very gravelly loam, 1 to 8 percent slopes	Not prime farmland	360.6	0.5%
18	Orelia fine sandy loam, 0 to 1 percent slopes	Not prime farmland	2,216.9	2.9%
19	Papagua fine sandy loam	Not prime farmland	1,761.7	2.3%
20	Papalote loamy fine sand, 0 to 3 percent slopes	Prime farmland if irrigated	5,486.8	7.2%
21	Papalote fine sandy loam, 0 to 1 percent slopes	Prime farmland if irrigated	1,464.9	1.9%
22	Papalote fine sandy loam, 1 to 3 percent slopes	Prime farmland if irrigated	3,387.4	4.5%
23	Parrita sandy clay loam, 0 to 3 percent slopes	Not prime farmland	6,525.1	8.6%

Farmland Classification—Bee County, Texas

Bee County, TX West

Farmland Classification— Summary by Map Unit — Bee County, Texas (TX025)				
Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
24	Parrita-Olmos association, undulating	Not prime farmland	10,461.9	13.7%
25	Pernitas sandy clay loam, 2 to 5 percent slopes	Prime farmland if irrigated	3,252.8	4.3%
26	Pettus sandy clay loam, 2 to 5 percent slopes	Not prime farmland	852.7	1.1%
27	Racombes sandy clay loam, 0 to 1 percent slopes	All areas are prime farmland	790.1	1.0%
29	Sinton sandy clay loam, 0 to 1 percent slopes, occasionally flooded	Not prime farmland	172.6	0.2%
30	Weesatche fine sandy loam, 1 to 3 percent slopes	All areas are prime farmland	17,787.5	23.4%
31	Weesatche fine sandy loam, 2 to 5 percent slopes	All areas are prime farmland	2,636.7	3.5%
32	Weesatche sandy clay loam, 0 to 1 percent slopes	All areas are prime farmland	1,642.3	2.2%
33	Weesatche sandy clay loam, 1 to 3 percent slopes	All areas are prime farmland	3,852.3	5.1%
GP	Pits, gravel	Not prime farmland	24.7	0.0%
W	Water	Not prime farmland	21.2	0.0%
Totals for Area of Interest			76,102.8	100.0%

Description

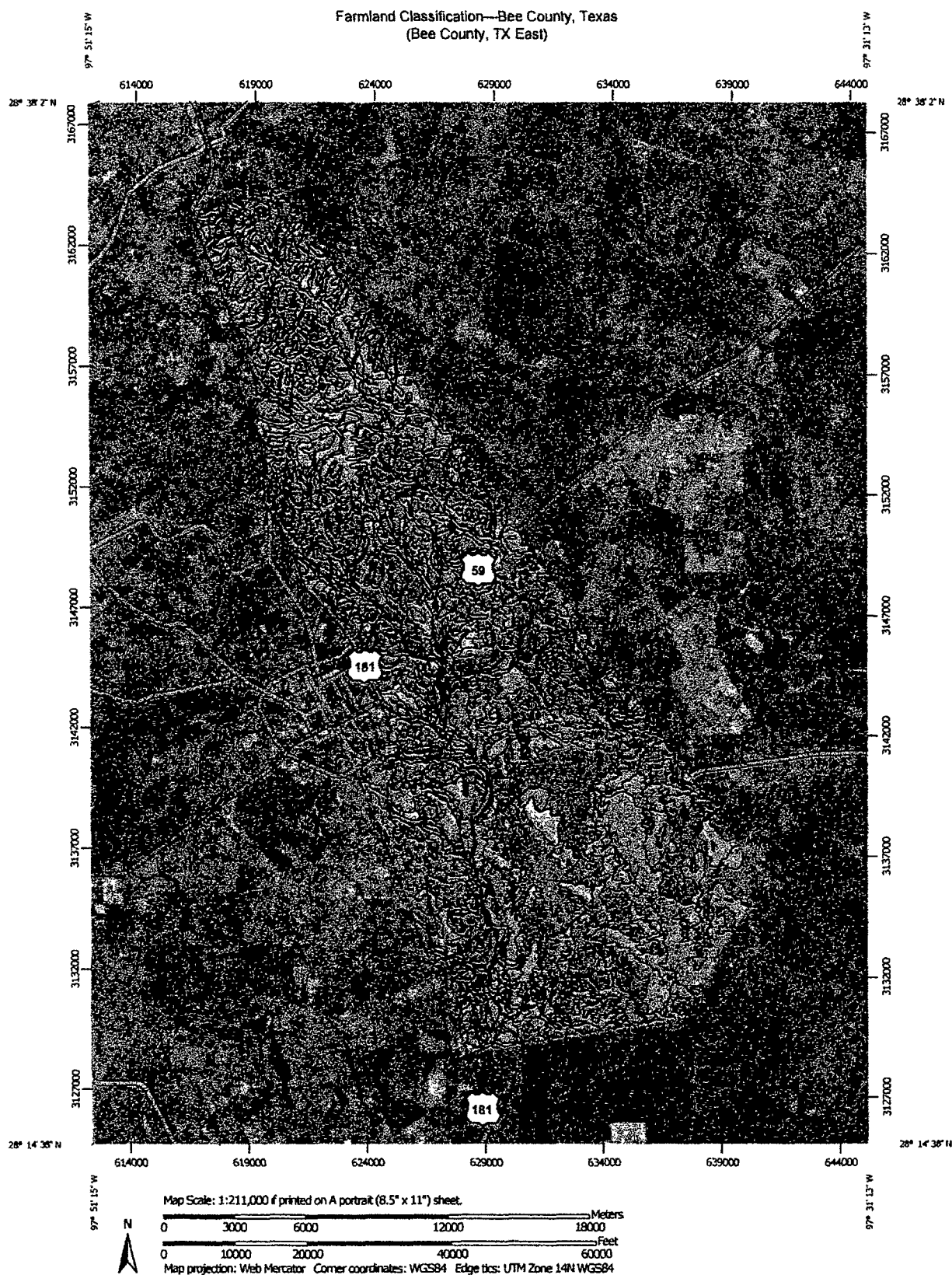
Farmland classification identifies map units as prime farmland, farmland of statewide importance, farmland of local importance, or unique farmland. It identifies the location and extent of the soils that are best suited to food, feed, fiber, forage, and oilseed crops. NRCS policy and procedures on prime and unique farmlands are published in the "Federal Register," Vol. 43, No. 21, January 31, 1978.

Rating Options

Aggregation Method: No Aggregation Necessary

Tie-break Rule: Lower



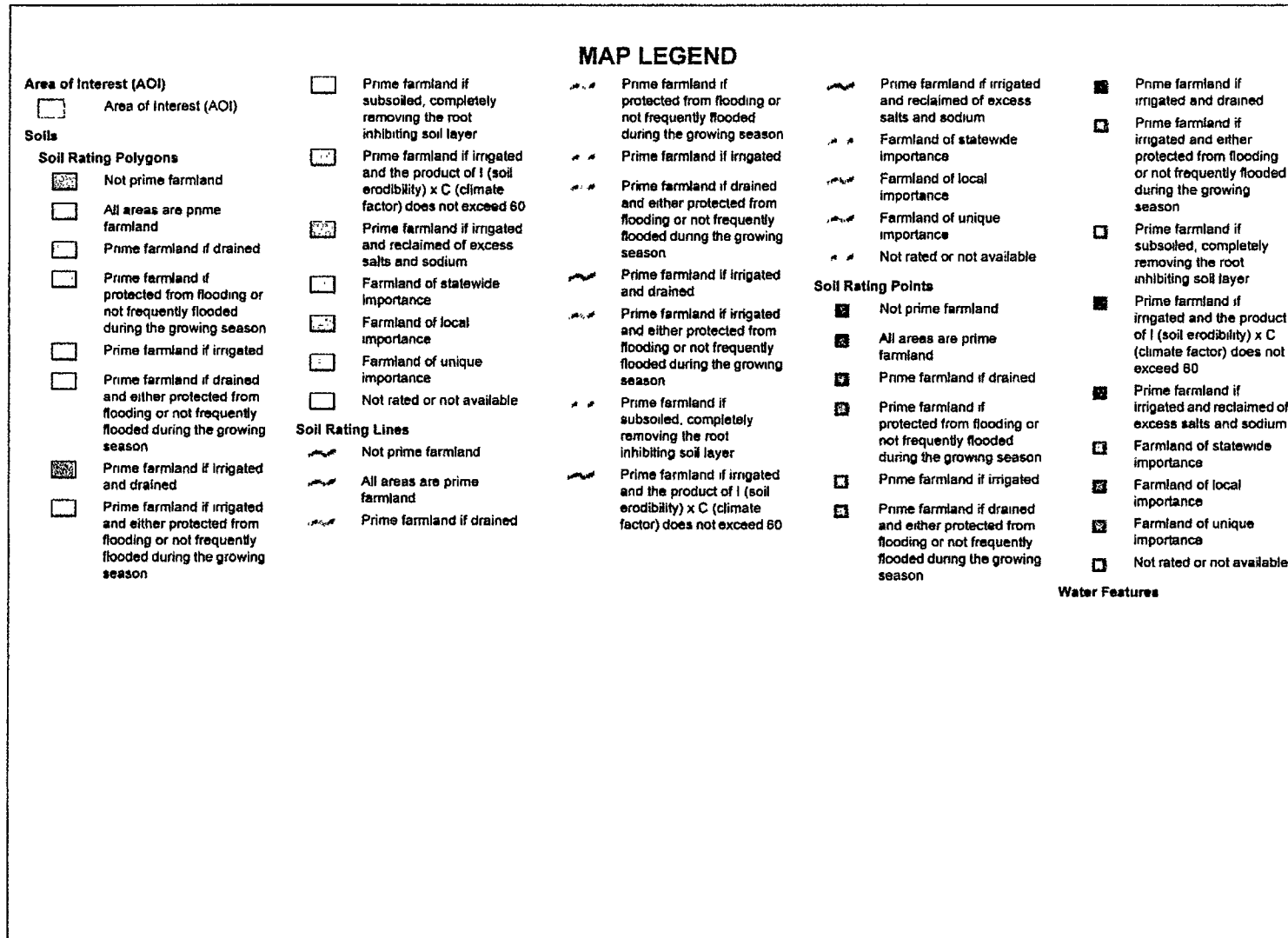


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



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Farmland Classification—Bee County, Texas
(Bee County, TX East)



Farmland Classification—Bee County, Texas
(Bee County, TX East)

MAP INFORMATION

	Streams and Canals
Transportation	
	Rails
	Interstate Highways
	US Routes
	Major Roads
	Local Roads
Background	
	Aerial Photography

The soil surveys that comprise your AOI were mapped at 1:24,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>
Coordinate System: Web Mercator (EPSG:3857)

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Soil Survey Area: Bee County, Texas
Survey Area Data: Version 12, Sep 23, 2015

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

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Attachment 1
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Farmland Classification—Bee County, Texas

Bee County, TX East

Farmland Classification

Farmland Classification— Summary by Map Unit — Bee County, Texas (TX025)				
Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
1	Aransas clay	Prime farmland if drained	22.5	0.0%
2	Arents, smoothed, and gullied land complex, 2 to 10 percent slopes	Not prime farmland	64.3	0.1%
3	Clareville sandy clay loam, 0 to 1 percent slopes	All areas are prime farmland	7,476.0	8.6%
5	Banquete clay, 0 to 1 percent slopes	Farmland of statewide importance	596.9	0.7%
6	Edroy clay, 0 to 1 percent slopes, ponded	Not prime farmland	623.5	0.7%
7	Goliad sandy clay loam, 0 to 1 percent slopes	Not prime farmland	1,189.6	1.4%
8	Goliad sandy clay loam, 1 to 3 percent slopes	Not prime farmland	1,076.3	1.2%
10	Lattas clay, 0 to 1 percent slopes	All areas are prime farmland	514.7	0.6%
12	Leming loamy fine sand, 0 to 3 percent slopes	Prime farmland if irrigated	1,349.3	1.6%
13	Monteola clay, 0 to 1 percent slopes	All areas are prime farmland	511.1	0.6%
15	Nusil fine sand, 0 to 5 percent slopes	Farmland of statewide importance	606.3	0.7%
16	Odem fine sandy loam	Prime farmland if irrigated	1,872.4	2.2%
17	Olmos very gravelly loam, 1 to 8 percent slopes	Not prime farmland	998.6	1.2%
18	Orellia fine sandy loam, 0 to 1 percent slopes	Not prime farmland	17,992.4	20.8%
19	Papagua fine sandy loam	Not prime farmland	908.9	1.1%
20	Papalote loamy fine sand, 0 to 3 percent slopes	Prime farmland if irrigated	10,612.0	12.3%
21	Papalote fine sandy loam, 0 to 1 percent slopes	Prime farmland if irrigated	7,909.5	9.2%
22	Papalote fine sandy loam, 1 to 3 percent slopes	Prime farmland if irrigated	5,101.8	5.9%
23	Parrita sandy clay loam, 0 to 3 percent slopes	Not prime farmland	3,990.3	4.6%



Farmland Classification—Bee County, Texas

Bee County, TX East

Farmland Classification— Summary by Map Unit — Bee County, Texas (TX025)				
Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
24	Parrita-Olmos association, undulating	Not prime farmland	5,287.7	6.1%
25	Pernitas sandy clay loam, 2 to 5 percent slopes	Prime farmland if irrigated	3,709.6	4.3%
26	Pettus sandy clay loam, 2 to 5 percent slopes	Not prime farmland	1,048.4	1.2%
27	Racombes sandy clay loam, 0 to 1 percent slopes	All areas are prime farmland	77.6	0.1%
28	Nusil-Rhymes association, 0 to 5 percent slopes	Farmland of statewide importance	281.0	0.3%
29	Sinton sandy clay loam, 0 to 1 percent slopes, occasionally flooded	Not prime farmland	484.7	0.6%
30	Weesatche fine sandy loam, 1 to 3 percent slopes	All areas are prime farmland	7,603.1	8.8%
31	Weesatche fine sandy loam, 2 to 5 percent slopes	All areas are prime farmland	68.6	0.1%
32	Weesatche sandy clay loam, 0 to 1 percent slopes	All areas are prime farmland	953.3	1.1%
33	Weesatche sandy clay loam, 1 to 3 percent slopes	All areas are prime farmland	3,172.5	3.7%
GP	Pits, gravel	Not prime farmland	278.1	0.3%
M-W	Miscellaneous water	Not prime farmland	2.5	0.0%
W	Water	Not prime farmland	44.7	0.1%
Totals for Area of Interest			86,428.1	100.0%

Description

Farmland classification identifies map units as prime farmland, farmland of statewide importance, farmland of local importance, or unique farmland. It identifies the location and extent of the soils that are best suited to food, feed, fiber, forage, and oilseed crops. NRCS policy and procedures on prime and unique farmlands are published in the "Federal Register," Vol. 43, No. 21, January 31, 1978.

Rating Options

Aggregation Method: No Aggregation Necessary

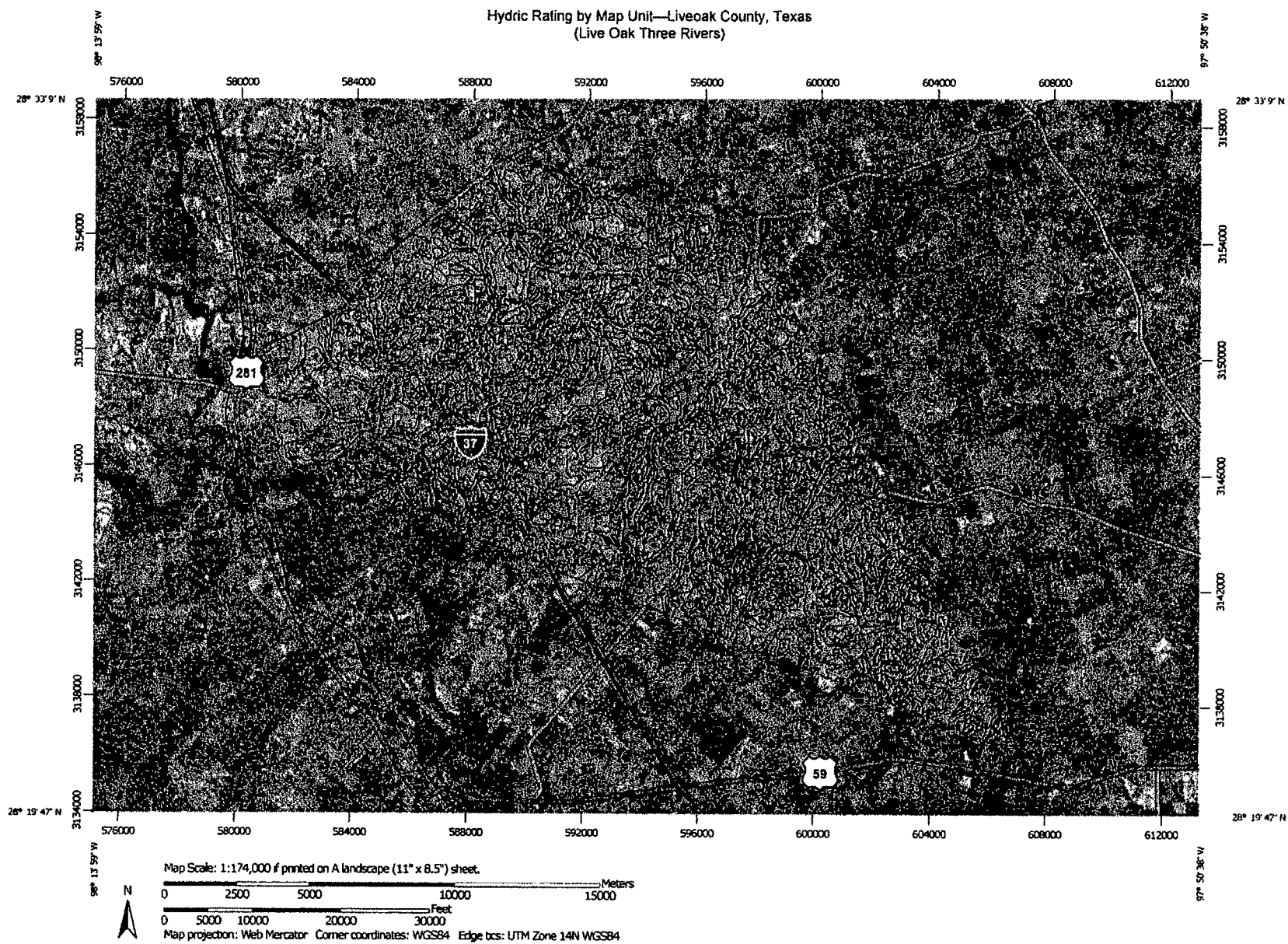
Tie-break Rule: Lower



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
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Hydric Rating by Map Unit—Liveoak County, Texas
(Live Oak Three Rivers)







MAP LEGEND

Area of Interest (AOI)







 Area of Interest (AOI)

Soils







Soil Rating Polygons

-  Hydric (100%)
-  Hydric (66 to 99%)
-  Hydric (33 to 65%)
-  Hydric (1 to 32%)
-  Not Hydric (0%)
-  Not rated or not available

Soil Rating Lines

-  Hydric (100%)
-  Hydric (66 to 99%)
-  Hydric (33 to 65%)
-  Hydric (1 to 32%)
-  Not Hydric (0%)
-  Not rated or not available






Soil Rating Points

-  Hydric (100%)
-  Hydric (66 to 99%)
-  Hydric (33 to 65%)
-  Hydric (1 to 32%)
-  Not Hydric (0%)
-  Not rated or not available

Water Features

Streams and Canals

Transportation

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads

Background

-  Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Liveoak County, Texas
Survey Area Data: Version 11, Sep 22, 2015

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jan 1, 1999—Dec 31, 2003

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.



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Conservation Service

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Hydric Rating by Map Unit—Liveoak County, Texas

Live Oak Three Rivers

Hydric Rating by Map Unit

Hydric Rating by Map Unit— Summary by Map Unit — Liveoak County, Texas (TX297)				
Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
AnC	Annarose fine sandy loam, 1 to 5 percent slopes	0	862.7	1.4%
BcA	Buchel clay, 0 to 1 percent slopes, occasionally flooded	1	2,609.2	4.1%
BfA	Buchel clay, 0 to 1 percent slopes, frequently flooded	3	1,557.2	2.5%
CeB	Choke silty clay loam, 1 to 3 percent slopes	0	333.0	0.5%
CeC	Choke silty clay loam, 3 to 5 percent slopes	0	136.8	0.2%
CkA	Clareville sandy clay loam, 0 to 1 percent slopes	0	1,305.2	2.1%
CkB	Clareville sandy clay loam, 1 to 3 percent slopes	0	646.7	1.0%
CoB	Conquista clay, 1 to 3 percent slopes	0	703.2	1.1%
CoG	Conquista clay, 20 to 40 percent slopes	0	260.7	0.4%
CtB	Cotulla clay loam, 0 to 3 percent slopes	0	31.0	0.0%
CyA	Coy clay loam, 0 to 1 percent slopes	0	648.5	1.0%
CyB	Coy clay loam, 1 to 3 percent slopes	0	1,578.2	2.5%
EsA	Eloso clay, 0 to 1 percent slopes	0	363.2	0.6%
EsB	Eloso clay, 1 to 3 percent slopes	0	660.7	1.0%
GoB	Gollad fine sandy loam, 1 to 3 percent slopes	0	94.7	0.1%
HnD	Hindes very gravelly sandy clay loam, 3 to 8 percent slopes	0	90.5	0.1%
ImA	Imogene fine sandy loam, 0 to 1 percent slopes	0	9.6	0.0%
LaB	Lacoste fine sandy loam, 0 to 3 percent slopes	0	95.4	0.2%



Hydric Rating by Map Unit—Liveoak County, Texas

Live Oak Three Rivers

Hydric Rating by Map Unit— Summary by Map Unit — Liveoak County, Texas (TX297)				
Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
MoA	Monteola clay, 0 to 1 percent slopes	1	51.9	0.1%
MoB	Monteola clay, 1 to 3 percent slopes	1	313.8	0.5%
NuC	Nusil fine sand, 1 to 5 percent slopes	0	218.2	0.3%
OdA	Odem fine sandy loam, 0 to 1 percent slopes, occasionally flooded	0	578.1	0.9%
OmD	Olmos very gravelly sandy loam, 1 to 8 percent slopes	0	696.7	1.1%
PaB	Papalote loamy fine sand, 0 to 3 percent slopes	0	1,969.0	3.1%
PbA	Papalote fine sandy loam, 0 to 1 percent slopes	0	1,017.0	1.6%
PbB	Papalote fine sandy loam, 1 to 3 percent slopes	0	1,952.6	3.1%
PcB	Parnita fine sandy loam, 1 to 3 percent slopes	0	63.2	0.1%
PkB	Pavelek clay loam, 0 to 3 percent slopes	0	56.6	0.1%
PmC	Pernitas fine sandy loam, 1 to 5 percent slopes	0	10,241.8	16.2%
PnB	Pernitas sandy clay loam, 1 to 5 percent slopes	0	4,647.0	7.4%
PtC	Pettus sandy clay loam, 2 to 5 percent slopes	0	193.6	0.3%
Px	Pits	0	5.5	0.0%
RhC	Rhymes fine sand, 0 to 5 percent slopes	0	44.0	0.1%
RoA	Rosenbrock clay, 0 to 1 percent slopes	0	407.6	0.6%
RoB	Rosenbrock clay, 1 to 3 percent slopes	0	82.8	0.1%
RrA	Rosenbrock clay, 0 to 1 percent slopes, rarely flooded	0	106.7	0.2%
SaD	Sancajo very gravelly loam, 1 to 8 percent slopes	0	12.7	0.0%
SeD	Sarnosa fine sandy loam, 3 to 8 percent slopes	0	6,318.8	10.0%



Hydric Rating by Map Unit—Liveoak County, Texas

Live Oak Three Rivers

Hydric Rating by Map Unit— Summary by Map Unit — Liveoak County, Texas (TX297)				
Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
ShC	Schattel clay loam, 2 to 5 percent slopes	0	324.7	0.5%
StA	Sinton sandy clay loam, 0 to 1 percent slopes, occasionally flooded	0	1,184.4	1.9%
SxA	Sinton clay loam, 0 to 1 percent slopes, frequently flooded	0	1,157.1	1.8%
TcA	Tiicano clay, dry, 0 to 1 percent slopes, occasionally ponded	2	123.8	0.2%
UsC	Ustarents loamy, 2 to 5 percent slopes	0	328.1	0.5%
W	Water	0	137.5	0.2%
WaB	Weesatche fine sandy loam, 1 to 3 percent slopes	0	12,682.2	20.1%
WaC	Weesatche fine sandy loam, 2 to 5 percent slopes	0	634.4	1.0%
WeB	Weesatche sandy clay loam, 1 to 3 percent slopes	0	5,668.7	9.0%
Totals for Area of Interest			63,205.1	100.0%



Description

This rating indicates the percentage of map units that meets the criteria for hydric soils. Map units are composed of one or more map unit components or soil types, each of which is rated as hydric soil or not hydric. Map units that are made up dominantly of hydric soils may have small areas of minor nonhydric components in the higher positions on the landform, and map units that are made up dominantly of nonhydric soils may have small areas of minor hydric components in the lower positions on the landform. Each map unit is rated based on its respective components and the percentage of each component within the map unit.

The thematic map is color coded based on the composition of hydric components. The five color classes are separated as 100 percent hydric components, 66 to 99 percent hydric components, 33 to 65 percent hydric components, 1 to 32 percent hydric components, and less than one percent hydric components.

In Web Soil Survey, the Summary by Map Unit table that is displayed below the map pane contains a column named 'Rating'. In this column the percentage of each map unit that is classified as hydric is displayed.

Hydric soils are defined by the National Technical Committee for Hydric Soils (NTCHS) as soils that formed under conditions of saturation, flooding, or ponding long enough during the growing season to develop anaerobic conditions in the upper part (Federal Register, 1994). Under natural conditions, these soils are either saturated or inundated long enough during the growing season to support the growth and reproduction of hydrophytic vegetation.

The NTCHS definition identifies general soil properties that are associated with wetness. In order to determine whether a specific soil is a hydric soil or nonhydric soil, however, more specific information, such as information about the depth and duration of the water table, is needed. Thus, criteria that identify those estimated soil properties unique to hydric soils have been established (Federal Register, 2002). These criteria are used to identify map unit components that normally are associated with wetlands. The criteria used are selected estimated soil properties that are described in "Soil Taxonomy" (Soil Survey Staff, 1999) and "Keys to Soil Taxonomy" (Soil Survey Staff, 2006) and in the "Soil Survey Manual" (Soil Survey Division Staff, 1993).

If soils are wet enough for a long enough period of time to be considered hydric, they should exhibit certain properties that can be easily observed in the field. These visible properties are indicators of hydric soils. The indicators used to make onsite determinations of hydric soils are specified in "Field Indicators of Hydric Soils in the United States" (Hurt and Vasilas, 2006).

References:

Federal Register. July 13, 1994. Changes in hydric soils of the United States.

Federal Register. September 18, 2002. Hydric soils of the United States.

Hurt, G.W., and L.M. Vasilas, editors. Version 6.0, 2006. Field indicators of hydric soils in the United States.

Hydric Rating by Map Unit—Liveoak County, Texas

Live Oak Three Rivers

Soil Survey Division Staff. 1993. Soil survey manual. Soil Conservation Service. U.S. Department of Agriculture Handbook 18.

Soil Survey Staff. 1999. Soil taxonomy: A basic system of soil classification for making and interpreting soil surveys. 2nd edition. Natural Resources Conservation Service. U.S. Department of Agriculture Handbook 436.

Soil Survey Staff. 2006. Keys to soil taxonomy. 10th edition. U.S. Department of Agriculture, Natural Resources Conservation Service.

Rating Options

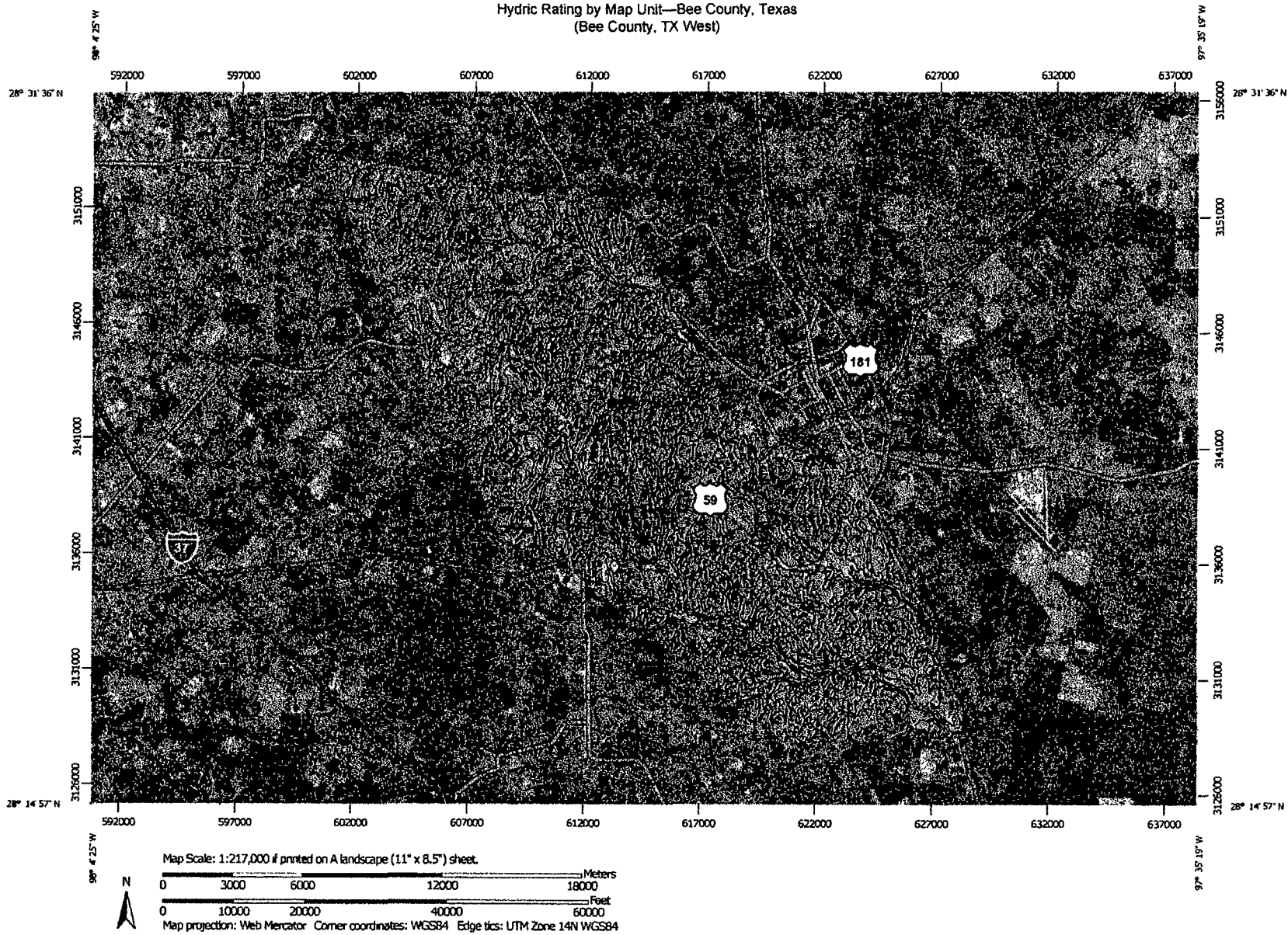
Aggregation Method: Percent Present

Component Percent Cutoff: None Specified

Tie-break Rule: Lower



Hydric Rating by Map Unit—Bee County, Texas
(Bee County, TX West)



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
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Hydric Rating by Map Unit—Bee County, Texas
(Bee County, TX West)







MAP LEGEND

Area of Interest (AOI)







 Area of Interest (AOI)

Soils







Soil Rating Polygons

-  Hydric (100%)
-  Hydric (66 to 99%)
-  Hydric (33 to 65%)
-  Hydric (1 to 32%)
-  Not Hydric (0%)
-  Not rated or not available

Soil Rating Lines

-  Hydric (100%)
-  Hydric (66 to 99%)
-  Hydric (33 to 65%)
-  Hydric (1 to 32%)
-  Not Hydric (0%)
-  Not rated or not available






Soil Rating Points

-  Hydric (100%)
-  Hydric (66 to 99%)
-  Hydric (33 to 65%)
-  Hydric (1 to 32%)
-  Not Hydric (0%)
-  Not rated or not available

Water Features

Streams and Canals

Transportation

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads

Background

-  Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Bee County, Texas
Survey Area Data: Version 12, Sep 23, 2015

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jan 1, 1999—Dec 31, 2003

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.



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Hydric Rating by Map Unit—Bee County, Texas

Bee County, TX West

Hydric Rating by Map Unit

Hydric Rating by Map Unit— Summary by Map Unit — Bee County, Texas (TX025)				
Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
1	Aransas clay	0	134.5	0.2%
3	Clareville sandy clay loam, 0 to 1 percent slopes	0	5,559.7	7.3%
4	Coy clay, 1 to 3 percent slopes	0	362.7	0.5%
5	Banquete clay, 0 to 1 percent slopes	5	186.8	0.2%
6	Edroy clay, 0 to 1 percent slopes, ponded	87	266.5	0.4%
7	Goliad sandy clay loam, 0 to 1 percent slopes	0	1,027.8	1.4%
8	Goliad sandy clay loam, 1 to 3 percent slopes	0	2,610.1	3.4%
10	Lattas clay, 0 to 1 percent slopes	5	1,123.3	1.5%
11	Lattas clay, 1 to 3 percent slopes	5	85.6	0.1%
12	Leming loamy fine sand, 0 to 3 percent slopes	5	654.8	0.9%
13	Monteola clay, 0 to 1 percent slopes	1	164.2	0.2%
16	Odem fine sandy loam	5	1,228.4	1.6%
17	Olmos very gravelly loam, 1 to 8 percent slopes	0	360.6	0.5%
18	Orelia fine sandy loam, 0 to 1 percent slopes	2	2,216.9	2.9%
19	Papagua fine sandy loam	90	1,761.7	2.3%
20	Papalote loamy fine sand, 0 to 3 percent slopes	5	5,486.8	7.2%
21	Papalote fine sandy loam, 0 to 1 percent slopes	20	1,464.9	1.9%
22	Papalote fine sandy loam, 1 to 3 percent slopes	0	3,387.4	4.5%
23	Parrita sandy clay loam, 0 to 3 percent slopes	0	6,525.1	8.6%