

Appendix E

SUMMARY OF SOIL LIMITATIONS ALONG THE PIPELINE EXPANSION ROUTE

**Appendix Table E-1
Summary of Soil Limitations Along Pipeline Expansion Route**

Parish	Miles of pipeline route	Type of Soil	Hydric Soil	Depth (cm)	Compaction Potential	Wind Erosion Potential ^a	Water Erosion Potential ^b	Poor Revegetation Potential	Prime Farmland Soil	Milepost (Calcasieu Parish)	Milepost (Beauregard Parish)
Calcasieu and Beauregard	Calcasieu: 2.04 miles Beauregard: 0.51 mile	Guyton silt loam (occasionally flooded)	Yes	201	Low	5	0.43	Moderate	No	0.00-0.02 0.04-0.18 0.30-0.43 0.60-0.79 1.15-1.20 1.61-1.82 2.39-2.47 2.49-2.63 3.02-3.10 3.42-3.50 3.95-4.26 4.77-4.83 4.91-4.98, 6.10-6.15 6.95-7.01 7.31-7.37 7.59-7.76 8.07-8.12 8.27-8.36	15.54-15.60 15.94-16.03 16.76-16.82 17.58-17.61 17.81-17.86 17.92-17.94 20.13-20.18 20.50-20.53 20.76-20.88
Calcasieu	0.11 mile	Guyton and bienville soils (frequently flooded)	Partially	201	Low	5	0.43	Moderate	No	5.58-5.66 8.65-8.68	--
Calcasieu	0.36 mile	Mowata-Vidrine silt loams	Partially	201	High	5	0.49	Moderate	Yes	0.02-0.04 0.18-0.27 0.79-1.04	--

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Parish	Miles of pipeline route	Type of Soil	Hydric Soil	Depth (cm)	Compaction Potential	Wind Erosion Potential ^a	Water Erosion Potential ^b	Poor Revegetation Potential	Prime Farmland Soil	Milepost (Calcasieu Parish)	Milepost (Beauregard Parish)
Calcasieu	3.86 miles	Kinder-Messer silt loams	Partially	201	Low	5	0.43	Slight	Yes	0.27-0.30 0.43-0.54 1.04-1.15 1.20-1.61 2.63-3.02 3.10-3.42 3.50-3.95 4.40-4.77 4.83-4.91 4.98-5.50 5.80-5.90 6.41-6.95 7.01-7.22 7.37-7.59	--
Calcasieu	0.06 mile	Crowley-Vidrine silt loam	No	201	Moderate	5	0.49	Moderate	Yes	0.54-0.60	--
Calcasieu	0.47 mile	Basile and Guyton silt loams (frequently flooded)	Yes	201	Moderate	5	0.43	Severe	No	1.82-1.85 1.87-2.31	--
Calcasieu and Beauregard	Calcasieu: 0.10 mile Beauregard: 1.05 miles	Acadia silt loam, 1 to 3 percent slopes	No	201	High	6	0.49	Slight	Yes	2.31-2.39 2.47-2.49	12.72-12.79 13.15-13.26 14.78-14.87 17.50-17.58 17.68-17.72 18.00-18.27 18.61-18.73 18.90-19.06 19.27-19.38

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Parish	Miles of pipeline route	Type of Soil	Hydric Soil	Depth (cm)	Compaction Potential	Wind Erosion Potential ^a	Water Erosion Potential ^b	Poor Revegetation Potential	Prime Farmland Soil	Milepost (Calcasieu Parish)	Milepost (Beauregard Parish)
Calcasieu	Calcasieu: 0.88 mile Beauregard: 0.32 mile	Brimstone silt loam	Yes	50	Moderate	5	0.49	Moderate	No	4.26-4.40 5.90-6.10 6.15-6.41 7.22-7.31 8.03-8.07 8.12-8.27	15.60-15.60 16.03-16.14 16.29-16.34 16.59-16.63 17.94-18.00 18.84-18.90
Calcasieu and Beauregard	Calcasieu: 1.77 miles Beauregard: 2.45 miles	Glenmora silt loam (1 to 3 percent slopes)	No	201	Moderate	5	0.49	Slight	Yes	5.50-5.58 8.36-8.55 8.68-8.88 9.07-9.15 9.38-9.53 10.03-10.08 10.35-10.54 10.77-10.83 11.14-11.20 11.29-11.33 11.36-11.40 11.43-11.53 11.61-12.14	12.14-12.46 12.58-12.72 14.16-14.28 14.44-14.63 14.87-14.93 15.28-15.40 15.60-15.94 16.14-16.29 16.34-16.59 16.68-16.76 16.82-16.98 17.39-17.50 19.47-19.61 19.83-19.91 20.06-20.13 20.76-20.88
Calcasieu and Beauregard	Calcasieu: 1.14 miles Beauregard: 4.04 miles	Caddo-Messer silt loam	Partially	201	Low	6	0.49	Moderate	Yes	7.76-8.03 9.15-10.03 10.83-10.89 11.04-11.14 11.20-11.29 11.40-11.43	12.46-12.58 13.26-14.16 14.28-14.44 14.63-14.73 14.93-15.28 15.40-15.54 16.63-16.68 16.98-17.39 17.61-17.68

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Parish	Miles of pipeline route	Type of Soil	Hydric Soil	Depth (cm)	Compaction Potential	Wind Erosion Potential ^a	Water Erosion Potential ^b	Poor Revegetation Potential	Prime Farmland Soil	Milepost (Calcasieu Parish)	Milepost (Beauregard Parish)
											17.72-17.81 18.27-18.61 19.06-19.27 19.38-19.47 19.61-19.83 19.91-20.06 20.18-20.50 20.53-20.76 20.88-20.97
Calcasieu	0.37 mile	Gore silt loam (1 to 5 percent slopes)	No	201	High	5	0.49	Moderate	No	10.32-10.35 10.54-10.77 11.33-11.36 11.53-11.61	--
Beauregard	0.36 mile	Gore very fine sandy loam (1 to 5 percent slopes)	No	201	High	5	0.49	Moderate	No	--	12.79-13.15
Calcasieu	0.15 mile	Blevins very fine sandy loam (1 to 3 percent slopes)	No	201	Low	5	0.37	Slight	Yes	10.89-11.04 10.89-11.04	--
Beauregard	0.11 mile	Guyton-Ouachita silt loams (frequently flooded)	Yes	201	Low	5	0.43	Severe	No	--	14.73-14.78 17.86-17.92

^a Wind Erodibility Group from STATSGO data, range from 1 to 8, with 1 equal to a Wind Erodibility Index of 310 tons per acre per year, and 8 indicating erosion is not a problem.

^b Indicates the susceptibility of a soil to erosion by water, with a range of 0.02 to 0.64. Other factors being equal, the higher the value, the more susceptible the soil is to erosion by water.