APPENDIX H

Soils Properties for Starr, Hidalgo, and Cameron Counties

Table H-1. Properties of the Soil Map Units in Starr County

Name	Map Unit Symbol	Type	Slope	Drainage	Hydric[a]	Farmland Importance	Properties
Alluvial Land	Al	Silt loam	0-8 percent	Well drained	NA	NA	Occur on nearly level, active floodplains of the Rio Grande and its tributaries.
Catarina	Cn	Clay	0-5 percent	Moderately well drained	No	None	Occur on uplands. Very slowly permeable.
Copita	Cp	Fine sandy loam	0-3 percent	Well drained	No	None	Occur on uplands. Moderately permeable.
Jimenez-Quemado association	Jq	Very gravelly loam	3-8 percent	Well drained	No	None	Jimenez soils occur on gently sloping to steep uplands. Quemado soils occur on nearly level to moderately sloping uplands. Moderately permeable.
Lagloria	La	Silt loam	0-2 percent	Well drained	No	None	Occur on nearly level to gently sloping stream terraces. Moderately permeable.
Matamoros	Mm	Silty clay	0-1 percent	Moderately well drained	No	None	Occur on nearly level bottomlands. Slowly permeable.
Reynosa	Re	Silty clay loam	0-2 percent	Well drained	No	None	Occur on nearly level to gently sloping stream terraces. Moderately permeable.

Name	Map Unit Symbol	Type	Slope	Drainage	Hydric[a]	Farmland Importance	Properties
Rio Grande	RgA	Silt loam	0-1 percent	Well drained	No	None	Occur on nearly level to gently sloping terraces of the Rio Grande. Moderately rapidly permeable.
Rio Grande	RgB	Silt loam	1-3 percent	Well drained	No	None	Occur on nearly level to gently sloping terraces of the Rio Grande. Moderately rapidly permeable.
Rio Grande	Rr	Silty clay loam	0-1 percent	Well drained	No	None	Occur on nearly level to gently sloping terraces of the Rio Grande. Moderately rapidly permeable.
Zalla	Za	Loamy fine sand	0-3 percent	Somewhat excessively drained	No	None	Occur on nearly level to gently sloping bottomlands. Rapidly permeable.

Source: NRCS 2007

Note: [a] No = Not listed as a hydric soil for Starr County, TX; Yes = Listed as a hydric soil for Starr County, TX; Partially = Listed as a partially hydric soil for Starr County, TX

Table H-2. Properties of the Soil Map Units in Hidalgo County

Name	Map Unit Symbol	Type	Slope	Drainage	Hydric[a]	Farmland Importance	Properties
Arents, loamy	1	Sandy clay loam	0- 1 percent	Well drained	No	Prime, if irrigated	Occur on alluvial floodplains of the Rio Grande and its tributaries.
Camargo	5	Silt loam	0-1 percent	Well drained	No	Prime	Occur on nearly level, active floodplains of the Rio Grande and its tributaries. Moderately permeable.
Camargo	6	Silty clay loam	0-1 percent	Well drained	No	Prime	Occur on nearly level, active floodplains of the Rio Grande and its tributaries. Moderately permeable.
Cameron	7	Silty clay	0-1 percent	Moderately well drained	No	Prime	Occur on nearly level bottomlands. Moderately slowly permeable.
Grulla	15	Clay	0-1 percent	Somewhat poorly drained	Partially	None	Occur in oxbows and sloughs. Very slowly permeable.
Harlingen	19	Clay	0-1 percent	Moderately well drained	No	None	Occur on nearly level stream terraces. Very slowly permeable.
Laredo	33	Silty clay loam	0-1 percent	Well drained	No	Prime	Occur on nearly level to gently sloping deltas and Holocene stream terraces. Moderately permeable.

Name	Map Unit Symbol	Type	Slope	Drainage	Hydric[a]	Farmland Importance	Properties
Matamoros	34	Silty clay	0-1 percent	Moderately well drained	No	Prime	Occur on nearly level bottomlands. Slowly permeable.
Olmito	44	Sandy clay	0-1 percent	Moderately well drained	No	Prime	Occur on nearly level stream terraces. Slowly permeable.
Pits, borrow	45	NA	1-30 percent	Well drained	No	None	NA
Raymondville	52	Clay loam	0-1 percent	Moderately well drained	No	Prime, if irrigated	Occur on nearly level to gently sloping uplands. Slowly permeable.
Reynosa	55	Silty clay loam	0-1 percent	Well drained	No	Prime	Occur on nearly level to gently sloping stream terraces. Moderately permeable.
Reynosa-Urban land complex	57	Silt loam	0-1 percent	Well drained	No	None	Reynosa soils occur on nearly level to gently sloping terraces of the Rio Grande. Urban land consists of disturbed soils of developed areas. Reynosa soils are moderately rapidly permeable.
Rio Grande	62	Silt loam	0-1 percent	Well drained	No	Prime	Occur on nearly level to gently sloping terraces of the Rio Grande. Moderately rapidly permeable.

Name	Map Unit Symbol	Type	Slope	Drainage	Hydric[a]	Farmland Importance	Properties
Rio Grande	63	Silty clay loam	0-1 percent	Well drained	No	Prime	Occur on nearly level to gently sloping terraces of the Rio Grande. Moderately rapidly permeable.
Runn	64	Silty clay	0-1 percent	Moderately well drained	No	Prime	Occur on nearly level stream terraces. Slowly permeable.
Runn	65	Silty clay, saline	0-1 percent	Moderately well drained	No	None	Occur on nearly level stream terraces. Slowly permeable.
Urban land	68	NA	NA	NA	No	None	Urban land consists of disturbed soils of developed areas.
Zalla	74	Silt loam	0-1 percent	Somewhat excessively drained	No	None	Occur on nearly level to gently sloping bottomlands. Rapidly permeable.

Source: NRCS 2007

Note: [a] No = Not listed as a hydric soil for Hidalgo County, TX; Yes = Listed as a hydric soil for Hidalgo County, TX; Partially = Listed as a partially hydric soil for Hidalgo County, TX

Table H-3. Properties of the Soil Map Units in Cameron County

Name	Map Unit Symbol	Type	Slope	Drainage	Hydric[a]	Farmland Importance	Properties
Borrow pits	BP	NA	NA	NA	No	None	NA
Camargo	CA	Silt loam	0-1 percent	Well drained	No	Prime	Occur on nearly level, active floodplains of the Rio Grande and its tributaries. Moderately permeable.
Camargo	CC	Silty clay loam	0-1 percent	Well drained	No	Prime	Occur on nearly level, active floodplains of the Rio Grande and its tributaries. Moderately permeable.
Cameron	CE	Silty clay	0-1 percent	Moderately well drained	No	Prime	Occur on nearly level bottomlands. Moderately slowly permeable.
Chargo	CH	Silty clay	0-1 percent	Moderately well drained	Partially	None	Occur on nearly level ancient stream terraces. Slowly permeable.
Grulla	GR	Clay	0-1 percent	Somewhat poorly drained	Partially	None	Occur in oxbows and sloughs. Very slowly permeable.
Harlingen	HA	Clay	0-1 percent	Moderately well drained	No	Prime, if irrigated	Occur on nearly level stream terraces. Very slowly permeable.
Laredo	LAA	Silty clay loam	0-1 percent	Well drained	No	Prime	Occur on nearly level to gently sloping deltas and Holocene stream terraces. Moderately permeable.

Name	Map Unit Symbol	Type	Slope	Drainage	Hydric[a]	Farmland Importance	Properties
Laredo-Olmito complex	LD	Silty clay	0-1 percent	Moderatelywell drained	No	Prime, if irrigated	Laredo soils occur on nearly level to gently sloping deltas and Holocene stream terraces. Olmito soils occur on nearly level stream terraces. Laredo soils are moderately permeable, Olmito soils slowly permeable.
Laredo-Reynosa complex	LEA	Silty loam	0-1 percent	Well drained	No	Prime	Laredo soils occur on nearly level to gently sloping deltas and Holocene stream terraces. Reynosa soils occur on nearly level to gently sloping stream terraces. Both are moderately permeable.
Matamoros	MA	Silty clay	0-1 percent	Moderately well drained	No	Prime	Occuron nearly level bottomlands. Slowly permeable.
Matamoros-Rio Grande complex	MC	Silt loam	0-1 percent	Moderately well drained	No	Prime	Matamoros soils occur on nearly level bottomlands, Rio Grande soils occur on nearly level to gently sloping terraces of the Rio Grande. Matamoros soils are slowly permeable, Rio Grande moderately rapidly permeable.
Olmito	OM	Sandy clay	0-1 percent	Moderately well drained	No	Prime	Occur on nearly level stream terraces. Slowly permeable.
Olmito-Urban land complex	ON	Silty clay	0-1 percent	Moderately well drained	No	None	Olmito soils occur on nearly level stream terraces. Urban land consists of disturbed soils of developed areas. Olmito soils are slowly permeable.

Name	Map Unit Symbol	Type	Slope	Drainage	Hydric[a]	Farmland Importance	Properties
Rio Grande	RR	Silt loam	0-1 percent	Well drained	No	Prime	Occur on nearly level to gently sloping terraces of the Rio Grande. Moderately rapidly permeable.
Rio Grande	RT	Silty clay loam	1-3 percent	Well drained	No	Prime	Occur on nearly level to gently sloping terraces of the Rio Grande. Moderately rapidly permeable.
Rio Grande-Urban land complex	RU	Very fine sandy loam	0-1 percent	Well drained	No	None	Rio Grande soils occur on nearly level to gently sloping terraces of the Rio Grande. Urban land consists of disturbed soils of developed areas. Rio Grande soils are moderately rapidly permeable.
Sejita	SE	Silty clay loam	0-1 percent	Poorly drained	Yes	None	Occur on nearly level low coastal terraces. Moderately slowly permeable.
Tiocano	TC	Clay	0-1 percent	Somewhat poorly drained	Partially	None	Occur in nearly level slight depressions. Very slowly permeable soils.
Ustifluvents	USX	Clay	0-25 percent	Somewhat poorly drained	Partially	None	NA
Zalla	ZA	Loamy fine sand	0-1 percent	Somewhat excessively drained	No	None	Occur on nearly level to gently sloping bottomlands. Rapidly permeable.

Source: NRCS 2007

Note: a No = Not listed as a hydric soil for Cameron County, TX; Yes = Listed as a hydric soil for Cameron County, TX; Partially = Listed as a partially hydric soil for Cameron County, TX