

TABLE 16.--CHEMICAL AND OTHER ANALYSES OF SELECTED SOILS

[Dashes indicate the determination was not made. Tr means trace. Data for the Catarina soil was determined by the Soil Characterization Laboratory, Texas A&M University. All other data was determined by the National Soil Survey Laboratory, Soil Conservation Service]

Soil series and sample number	Depth	Horizon	Percent of material less than 2mm		Cation exchange capacity	pH		Electrical conductivity	Exchangeable sodium percentage
			Carbonates as calcium carbonates	Organic carbon		H ₂ O (1:1)	CaCl ₂ 0.01M (1:2)		
Aguilares: ^{1/} (S79TX-479-9)	0-8	A	9.0	1.19	---	8.0	7.7	---	---
	8-13	Bk1	15.0	0.96	---	8.0	7.7	---	---
	13-23	Bk2	20.0	0.84	---	8.2	7.7	---	---
Arroyada: ^{2/} (S73TX-240-0)	0-8	Ag	8.0	---	40.3	8.1	7.4	0.6	6
	20-32	ACgnyz	8.0	---	39.7	7.9	7.7	4.0	21
	32-60	Cknz	12.0	---	36.1	7.6	7.7	19.0	30
Brundage: ^{3/} (S79TX-479-8)	0-6	A	Tr	0.81	---	8.3	7.8	---	---
	6-18	Btknz1	4.0	0.56	---	8.2	8.2	---	---
	18-34	Btknz2	6.0	0.44	---	8.2	8.2	---	---
Catarina: ^{1/} (S82TX-479-2)	0-3	Ay1	11.4	0.90	35.8	7.4	---	0.8	4
	3-14	Ay2	12.5	0.77	36.3	7.8	---	2.8	14
	14-25	Bknyz1	12.5	0.61	38.2	7.6	---	11.8	23
	25-35	Bknyz2	13.1	0.29	34.6	7.6	---	16.0	27
	35-49	Bknyz3	11.5	0.39	33.2	7.2	---	17.0	28
	49-73	Bknyz4	11.4	0.28	35.0	7.3	---	14.5	27
	73-96	Bknyz5	8.7	0.30	33.0	7.6	---	14.0	28
Moglia: ^{1/} (S79TX-479-4)	0-7	A	6.0	1.29	25.0	8.0	7.6	0.8	1
	7-21	Bkz	15.0	0.72	26.0	7.8	7.7	4.5	10
	21-30	Bknz	16.0	0.50	24.7	7.7	7.8	25.8	27
	30-42	2Cknz	15.0	0.28	25.6	7.7	7.8	22.0	35
	42-54	2Cknyz	8.0	0.10	20.8	7.8	7.8	15.3	31
	54-60	3Cknyz	7.0	0.09	23.9	7.8	7.8	15.5	40
Palafox: ^{4/} (S79TX-479-2)	0-5	A1	8.0	0.87	---	8.2	7.7	---	---
	5-11	A2	14.0	0.83	---	8.0	7.6	---	---
	11-16	Bk1	19.0	0.65	---	8.1	7.7	---	---

^{1/}Typical pedon for the series.

^{2/}From the Webb County line marker on Texas Highway 44, 4.3 miles west on Texas Highway 44, 5.0 miles north on Pintas-Adami Road, 0.75 mile west on a pipeline road, 100 feet south of road.

^{3/}From Arkansas Street in Laredo, 34.2 miles east on U.S. 59, 8.9 miles south on Welhouser County Road, 60 feet west of road.

^{4/}From Del Mar Boulevard in Laredo, 29 miles northwest on Farm to Market Road 1472, 50 feet east of road.