

CHEMICAL PROPERTIES OF THE SOILS
Calcasieu Parish, Louisiana: Official Detailed Soil Map Legend

Map symbol and soil name	Depth	Clay	Cation- exchange capacity	Effective cation- exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	meq/100g	pH	Pct	Pct	mmhos/cm	
Ac:									
ACADIA-----	0-14	14-27	8.0-15	8.0-15	4.5-6.0	---	---	---	---
	14-19	20-39	10-23	10-23	4.5-5.5	---	---	---	---
	19-33	40-55	15-25	15-25	4.5-6.0	---	---	---	---
	33-60	30-55	20-28	---	4.5-7.8	---	---	---	---
AE:									
ALLEMANDS-----	0-12	---	70-100	---	5.1-7.8	---	---	0.0-4.0	0-15
	12-29	---	70-100	---	6.1-8.4	---	---	0.0-4.0	0-15
	29-80	60-95	50-100	---	6.1-8.4	---	---	0.0-4.0	5-15
AN:									
AQUENTS-----	---	---	---	---	---	---	---	---	---
AR:									
ARAT-----	0-3	---	---	---	5.1-6.5	---	---	0.0-2.0	---
	3-9	10-32	---	---	5.1-7.3	---	---	0.0-2.0	---
	9-63	14-35	---	---	5.6-7.8	---	---	0.0-2.0	---
BA:									
BARBARY-----	0-80	60-95	50-100	---	6.6-8.4	---	---	0.0-2.0	---
BB:									
BASILE-----	0-30	10-27	7.0-20	---	4.5-7.3	---	---	---	---
	30-62	28-35	12-22	---	5.6-8.4	---	---	---	---
	62-70	14-35	10-25	---	6.1-8.4	---	---	---	---
GUYTON-----	0-28	7-25	4.0-10	4.0-10	3.6-6.0	---	---	---	---
	28-51	20-35	10-30	10-30	3.6-6.0	---	0-5	---	---
	51-62	20-35	10-30	---	3.6-8.4	---	0-5	---	0-10
Bh:									
BIENVILLE-----	0-40	4-15	5.0-15	---	4.5-6.5	---	---	---	---
	40-75	2-15	2.0-15	---	4.5-6.5	---	---	---	---
Bn:									
BIENVILLE-----	0-48	4-15	5.0-15	---	4.5-6.5	---	---	---	---
	48-64	2-15	2.0-15	---	4.5-6.5	---	---	---	---
CAHABA-----	0-16	7-17	---	---	4.5-6.0	---	---	---	---
	16-44	18-35	---	---	4.5-6.0	---	---	---	---
	44-60	4-20	---	---	4.5-6.0	---	---	---	---
GUYTON-----	0-18	7-25	4.0-10	4.0-10	3.6-6.0	---	---	---	---
	18-46	20-35	10-30	10-30	3.6-6.0	---	0-5	---	---
	46-62	20-35	10-30	---	3.6-8.4	---	0-5	---	0-10
Bo:									
BRIMSTONE-----	0-16	5-14	---	---	5.1-8.4	---	---	---	---
	16-39	17-32	---	---	5.6-8.4	---	---	---	---
	39-78	20-35	---	---	6.6-8.4	---	---	---	---
Cd:									
CADDO-----	0-29	14-27	---	7.0-20	4.5-6.0	---	---	---	---
	29-74	18-35	---	12-25	4.5-6.0	---	---	---	---
MESSER-----	0-6	10-15	---	4.0-15	4.5-6.0	---	---	---	---
	6-31	10-18	---	4.0-20	4.5-6.0	---	---	---	---
	31-62	20-30	---	5.0-25	4.5-6.0	---	---	---	---
Ch:									
CAHABA-----	0-19	7-17	---	---	4.5-6.0	---	---	---	---
	19-56	18-35	---	---	4.5-6.0	---	---	---	---
	56-64	4-20	---	---	4.5-6.0	---	---	---	---
CO:									
CLOVELLY-----	0-36	---	70-100	---	4.5-8.4	---	---	4.0-8.0	5-15
	36-80	50-90	40-100	---	4.5-8.4	---	---	4.0-8.0	5-15
Cr:									
CROWLEY-----	0-25	10-27	4.0-10	---	4.5-8.4	---	---	---	---
	25-41	35-50	12-24	---	4.5-8.4	---	---	---	---
	41-65	27-55	12-26	---	4.5-8.4	---	---	---	---

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Map symbol and soil name	Depth	Clay	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	meq/100g	pH	Pct	Pct	mmhos/cm	
VIDRINE-----	0-20	10-27	5.0-25	5.0-25	4.5-6.0	---	---	---	---
	20-51	27-50	20-40	---	4.5-8.4	---	---	---	---
	51-70	20-50	10-40	---	5.1-8.4	---	---	---	---
Dm: DUMPS-----	---	---	---	---	---	---	---	---	---
GB: GED-----	0-5	35-55	---	---	4.5-7.8	---	---	---	---
	5-9	45-75	---	---	4.5-7.8	---	---	---	---
	9-60	60-80	---	---	6.1-8.4	---	---	---	---
GC: GENTILLY-----	0-6	45-90	---	---	5.6-7.8	---	---	2.0-8.0	---
	6-37	60-95	---	---	6.6-7.8	---	---	2.0-8.0	---
	37-70	60-95	---	---	6.6-7.8	---	---	2.0-8.0	---
Ge: GLENMORA-----	0-4	8-22	---	5.0-15	4.5-6.0	---	---	---	---
	4-26	18-35	---	5.0-25	4.5-6.0	---	---	---	---
	26-56	27-35	---	10-25	4.5-6.0	---	---	---	---
	56-65	35-45	---	15-30	4.5-6.0	---	---	---	---
Gg: GORE-----	0-5	5-15	5.0-15	5.0-15	4.5-6.0	---	---	---	---
	5-45	40-60	20-50	---	4.5-9.0	---	---	---	0-5
	45-60	40-80	20-50	---	4.5-9.0	0-5	---	---	0-5
Go: GUYTON-----	0-18	7-25	4.0-10	4.0-10	3.6-6.0	---	---	---	---
	18-50	20-35	10-30	10-30	3.6-6.0	---	0-5	---	---
	50-65	20-35	10-30	---	3.6-8.4	---	0-5	---	0-10
GU: GUYTON-----	0-28	7-25	4.0-10	4.0-10	3.6-6.0	---	---	---	---
	28-51	20-35	10-30	10-30	3.6-6.0	---	0-5	---	---
	51-62	20-35	10-30	---	3.6-8.4	---	0-5	---	0-10
Gy: GUYTON-----	0-26	7-25	4.0-10	4.0-10	3.6-6.0	---	---	---	---
	26-55	20-35	10-30	10-30	3.6-6.0	---	0-5	---	---
	55-67	20-35	10-30	---	3.6-8.4	---	0-5	---	0-10
MESSER-----	0-5	10-15	---	4.0-15	4.5-6.0	---	---	---	---
	5-28	10-18	---	4.0-20	4.5-6.0	---	---	---	---
	28-60	20-30	---	5.0-25	4.5-6.0	---	---	---	---
Ju: JUDICE-----	0-5	27-50	10-40	---	5.1-7.3	---	---	---	---
	5-60	27-50	20-40	---	5.6-8.4	0-5	0-5	---	---
Kd: KINDER-----	0-17	7-14	4.0-8.0	4.0-8.0	4.5-6.0	---	---	---	---
	17-60	25-34	12-24	---	4.5-6.5	---	---	---	---
	60-70	15-32	12-26	---	4.5-8.4	---	---	---	---
MESSER-----	0-10	10-15	4.0-15	4.0-15	4.5-6.0	---	---	---	---
	10-32	10-18	4.0-20	4.0-20	4.5-6.0	---	---	---	---
	32-68	20-30	5.0-25	5.0-25	4.5-6.0	---	---	---	---
	68-80	20-30	10-25	---	4.5-7.3	---	---	---	---
LE: LAROSE-----	0-5	---	70-100	---	5.6-7.8	---	---	0.0-4.0	0-15
	5-12	50-80	50-100	---	5.6-7.8	---	---	0.0-4.0	0-15
	12-80	50-80	50-100	---	6.1-8.4	---	---	0.0-4.0	5-15
It: LETON-----	0-34	10-25	---	---	5.1-7.3	---	---	---	---
	34-62	20-35	---	---	5.6-8.4	---	---	---	---

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Map symbol and soil name	Depth	Clay	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	meq/100g	pH	Pct	Pct	mmhos/cm	
Mb:									
MALBIS-----	0-9	10-25	---	---	4.5-6.0	---	---	---	---
	9-26	18-33	---	---	4.5-5.5	---	---	---	---
	26-35	20-35	---	---	4.5-5.5	---	---	---	---
	35-65	20-35	---	---	4.5-5.5	---	---	---	---
Mg:									
MESSER-----	0-19	10-15	---	4.0-15	4.5-6.0	---	---	---	---
	19-44	10-18	---	4.0-20	4.5-6.0	---	---	---	---
	44-60	20-30	---	5.0-25	4.5-6.0	---	---	---	---
Mh:									
MESSER-----	0-16	10-15	---	4.0-15	4.5-6.0	---	---	---	---
	16-46	10-18	---	4.0-20	4.5-6.0	---	---	---	---
	46-70	20-30	---	5.0-25	4.5-6.0	---	---	---	---
GUYTON-----	0-21	7-25	4.0-10	4.0-10	3.6-6.0	---	---	---	---
	21-60	20-35	10-30	10-30	3.6-6.0	---	0-5	---	---
	60-70	20-35	10-30	---	3.6-8.4	---	0-5	---	0-10
Mn:									
MIDLAND-----	0-10	27-39	5.0-20	---	5.1-7.3	---	---	---	0
	10-60	35-55	15-50	---	5.1-8.4	---	---	---	0-5
Mr:									
MOREY-----	0-18	10-30	---	---	5.1-7.3	---	---	---	---
	18-39	20-35	---	---	5.6-7.8	---	---	---	---
	39-60	30-45	---	---	5.6-8.4	---	---	---	---
Mt:									
MOWATA-----	0-21	8-24	5.0-14	---	5.1-7.3	---	---	---	---
	21-60	35-50	12-26	---	5.1-8.4	---	---	---	---
VIDRINE-----	0-15	10-27	5.0-25	5.0-25	4.5-6.0	---	---	---	---
	15-50	27-50	20-40	---	4.5-8.4	---	---	---	---
	50-74	20-50	10-40	---	5.1-8.4	---	---	---	---
Pt:									
PITS-----	---	---	---	---	---	---	---	---	---
UA:									
UDIFLUVENTS----	---	---	---	---	---	---	---	---	---
UN:									
UNA-----	0-5	28-45	---	---	4.5-5.5	---	---	---	---
	5-65	28-55	---	---	4.5-5.5	---	---	---	---
Up:									
URBAN LAND-----	---	---	---	---	---	---	---	---	---
Ur:									
URBO-----	0-4	12-35	---	---	4.5-5.5	---	---	---	---
	4-60	35-55	---	---	4.5-5.5	---	---	---	---
Vn:									
VIDRINE-----	0-16	10-27	5.0-25	5.0-25	4.5-6.0	---	---	---	---
	16-46	27-50	20-40	---	4.5-8.4	---	---	---	---
	46-60	20-50	10-40	---	5.1-8.4	---	---	---	---