

6/21/18

GAUGLER TREE INVESTIGATION

Stop 1

- i. Slight effervescence at 12 inches, violent effervescence at 24
- ii. Mollic colors in upper 6 inches
- iii. Loam to sandy loam textures
- iv. No evidence of water table
- v. Conservation Tree and Shrub Group is 3

Stop 2

- vi. Slight effervescence at 20 inches, violent effervescence at 24
- vii. Mollic colors in upper 12 inches
- viii. Loam to sandy loam textures
- ix. No evidence of water table
- x. Conservation Tree and Shrub Group is 3

Stop 3

- xi. Slight effervescence at surface, violent at 4 inches
- xii. Silt loam to clay textures
- xiii. Average EC within 24 inches is 8.2 dS/m
- xiv. Sulfur at depth
- xv. Conservation Tree and Shrub Group is 10

Stop 4

- xvi. Slight effervescence at 8 inches, violent at 18
- xvii. Mollic colors in upper 4 inches
- xviii. Silt loam to clay textures
- xix. Average EC within 8 inches is 8.13 dS/m
- xx. Saturation at 24 inches
- xxi. Conservation Tree and Shrub Group is 10

Stop 5

- xxii. Violent effervescence at 25 inches
- xxiii. Mollic colors in upper 17 inches
- xxiv. Silt loam to silty clay loam textures
- xxv. Saturation at 40 inches
- xxvi. Conservation Tree and Shrub Group is 1K

TABLE FOR SITE SOIL DESCRIPTIONS:

Site #	Horizon	Depth (in)	Texture	Color	Effervescence
1	Ap	0-6	L	10YR 3/3	None
1	Bw ₁	6-12	SL	10YR 4/4	None
1	Bw ₂	12-24	SL	10YR 5/4	Slight
2	Ap	0-12	L	10YR 3/3	None
2	Bw ₁	12-20	L	10YR 4/4	None
2	Bw ₂	20-24	SL	10YR 5/6	Slight
2	Bkw	24-36	L	10YR 6/6	Violent
3	Ap	0-4	SiL	10YR 4/2	Slight
3	Bk	4-12	SiCL	10YR 5/4	Violent
3	CBk	12-24	C	10YR 5/2	Violent
3	C	24+	C	10YR 5/6	Violent
4	Ap	0-4	SiL	10YR 3/3	None
4	AB	4-8	SiCL	10YR 4/3	None
4	Bw	8-18	CL	10YR 3/3	Slight
4	Bkw	18-24	C	10YR 5/6	Violent
4	C	24+	C	10YR 5/8	Violent
5	Ap	0-8	SiL	10YR 2/2	None
5	AB	8-17	SiL	10YR 3/3	None
5	Bw	17-25	SiCL	10YR 5/6	None
5	Bk	25-30	SiCL	10YR 6/4	Violent
5	CBk	30-40	SiCL	10YR 6/4	Violent
5	C	40+	SL	10YR 6/4	Violent

TABLE FOR SAMPLE ANALYSIS:

Lab ID	Site ID	Depths (in)	pH	EC (dS/m)
1a	Stop 3 Ap	0-4	6.2	0.92
1b	Stop 3 Ap	0-4	6.4	1.14
1c	Stop 3 Ap	0-4	6.3	0.64
2a	Stop 3 Bk	4-12	7.3	2.46
2b	Stop 3 Bk	4-12	7.5	2.68
2c	Stop 3 Bk	4-12	7.6	2.66
3a	Stop 3 CBk	12-24	5.4	9.0
3b	Stop 3 CBk	12-24	5.0	7.0
3c	Stop 3 CBk	12-24	5.0	8.6
4a	Stop 4 Ap	0-4	5.0	2.1
4b	Stop 4 Ap	0-4	5.1	1.98
4c	Stop 4 Ap	0-4	5.1	2.04
5a	Stop 4 AB	4-8	5.1	1.48
5b	Stop 4 AB	4-8	5.0	1.42
5c	Stop 4 AB	4-8	5.0	1.28

6a	Stop 4 Bw	8-18	6.9	8.4
6b	Stop 4 Bw	8-18	6.7	8.4
6c	Stop 4 Bw	8-18	6.6	7.6
7a	Stop 4 Bk	18-24	8.0	8.6
7b	Stop 4 Bk	18-24	8.0	9.4
7c	Stop 4 Bk	18-24	8.1	8.4
8a	Stop 5 Ap	0-8	5.8	1.86
8b	Stop 5 Ap	0-8	5.7	1.82
8c	Stop 5 Ap	0-8	5.6	2.0
9a	Stop 5 AB	8-17	6.1	1.06
9b	Stop 5 AB	8-17	6.2	1.1
9c	Stop 5 AB	8-17	6.1	1.06
10a	Stop 5 Bw	17-25	6.7	1.3
10b	Stop 5 Bw	17-25	6.6	1.16
10c	Stop 5 Bw	17-25	6.7	1.36