

SITE	Profile number	Horizon	Depth (cm)	Colour	Structure (Type, size, grades)	Rock fragments %
Del Colle	1	CA	0-4/5	2.5Y 4/2	MA tendency to GR (M)	60
	1	C	4/5-35+	2.5Y 4/2	MA	80
1_C	2	OH	0-2			
	2	AE	2-8	10YR 4/2	GR-FI-WE	0
	2	Ab1	8-10	10YR 3/2	GR-FI-WE	0
	2	AEb	10-22	10YR 4/2	PL-FI-MO	0
	2	Ab2	22-32	10YR 2.5/1	GR-FI-WE	0
	2	AEb2	32-45	10YR 4/2	PL-FI-MO	0
	2	Cr	45-60+	10YR 5/4	PL-FI-MO	20
Del Colle	3	OH	0-0.2	-	-	-
	3	CA	0.2-10	2.5Y 4/2	GR - FI - WE	55
	3	C	10-30+	2.5Y 4/2	MA	80
3_C	4	OF-OH	0-2			
	4	A	2-6	10YR 3/2	GR-FI-WE	5
	4	E	6-18	10YR 4/3	SG	10
	4	CBr	18-40+	7.5YR 5/6	PL-FI-MO	40
Del Colle	5	OL-OF	0-1	-	-	-
	5	A	1-10/15	10YR 3/2	GR - CO - MO	50
	5	AC1	10/15-20	2.5Y 4/2	GR - FI - WE	70
	5	AC2	20-30 +	2.5Y 3/3	GR - FI - WE	40
5_C	6	OL-OF-OH	0-3			
	6	A	3-7	10YR 3/2	GR-FI-WE	10
	6	BC	7-15	10YR 3/3	SB-FI-WE	20
	6	Cr	15-20+	7.5YR 5/4		60
Del Colle	7	OH	0-1.5	-	-	-
	7	AB	1.5-10	2.5Y 3/3	SB-ME-MO	45
	7	C	10-30+	5Y 3/2	SG	75
7-C	8	A	0-14	7.5YR 2.5/1	GR-FI-WE	5
	8	CBr	14-30+	7.5YR 3/4	PL-FI-MO	70
Contenery	9	OH	0-1	-	-	-
	9	AC	1-8	10YR 4/3	GR-ME-WE	60
	9	CA	8-20+	2.5Y 4/2	GR - FI - WE	75
9-C	10	OL-Of	0-5			
	10	A	6-11	10YR 2/2	GR-FI-WE	30
	10	Bw/R	11-30+	7.5YR 4/4	SB-ME-MO	70
Contenery	11	OH	0-0.5	-	-	-
	11	AC	0.5-5	2.5Y 4/3	GR - FI - WE	60
	11	C	5-20+	5Y 5/2	GR - FI - WE	70
11-C	12	OH	0-3			
	12	A1	3-17	10YR 2/1	GR-ME-MO	40
	12	A2	17-19/35	10YR 3/2	GR-ME-WE	40
	12	R				100
Contenery	13	OH	0-1.5			
	13	AC	1.5-15	5Y 5/2	GR - FI - WE	50
	13	C	15-30+	5Y 4/2	GR - FI - WE	70
13-C	14	OL-OF-OH	0-6			

	14	A	6-14	10YR 3/2	SG	60
	14	BA	14-32	10YR 4/3	GR-FI-WE	60
	14	BC	34-45+	10YR 5/3	SB-ME-WE	60
Contenery	15	OH	0-1			
	15	AC	1-15	2.5Y 4/2	GR-ME-WE	50
	15	CA	15-35	2.5Y 4/3	GR-ME-WE	70
15-C	16	AC	0-11	2.5Y 5/3	GR-MR-WE	30
	16	Ab	11-26	10YR 3/3	GR-ME-WE	40
	16	Bw	26-35+	10YR 4/4	SB-ME-WE	40
Del Lago	17	OH	0-1.5			
	17	AC	1.5-10	10YR 4/3	GR - FI - WE	50
	17	CA	10-35+	2.5Y 4/3	MA	70
17-C	18	OL-OF	0-2			
	18	A	2-13	10YR 3/2	GR-FI-WE	40
	18	Bw	13-36	7.5YR 4/4	SB-ME-MO	60
	18	R				100
Del Lago	19	OL-OF	0-0.5			
	19	AC	0.5-7/10	2.5Y 4/3	GR - FI and ME- WE	50
	19	CA	7/10-25+	2.5Y 3/3	GR - FI - WE	70
19-C	20	OL-OF, OH	0-7			
	20	A	7-12	10YR 3/2	GR-FI-WE	40
	20	AE	12-26	10YR 4/2	GR-FI-WE	40
	20	BE	26-38	7.5YR 4/4		20
	20	Bs	38-55	7.5YR 4/6	SB-ME-MO	20
	20	Cr	55-63			100
Del Lago	21	OH	0-1			
	21	A	1-15	2.5Y 4/4	GR - FI - WE	55
	21	CA	15-30+	2.5Y 4/3	GR and PL - ME - WE	75
21-C	22	OH	0-12			
	22	A	12-14	10YR 3/2	SG	5
	22	AB/Bw	14-35/60	10YR 4/3	PL-ME-MO	80
	22	AB/Bw	14-35/60	10YR 4/3	PL-ME-MO	80
	22	Bs	35/60-60	7.5YR 5/4	SB-ME-MO	80
	22	R				100
Del Lago	23	OL-OF	0-0.5			
	23	A	0.5-20	10YR 2/2	GR - CO - MO	50
	23	Apb	20-30	10YR 2/1	-	50
	23	C	30-45+	5Y 5/1	MA	70
23-C	24	OL-OF-OH	0-8			
	24	E	8-26	7.5YR 7/1	PL-CO-ST	20
	24	Bs	26-33	7.5YR 4/6	SB-ME-MO	30
	24	Bsm	33-78/48	5YR 4/4		70
	24	CBsm	78/48-85+	2.5Y 5/4		70
Del Monte	25	OH	0-1			
	25	A	1-10	10YR 3/3	GR - CO - MO	50
	25	CA	10-30+	2.5Y 3/3	SG	75
25-C	26	OF, OH	0-7/13			
	26	AE	7/13-18/27	7.5YR 3/1	SG	20
	26	E	18/27-28	7.5YR 4/1	PL-FI-MO	30
	26	Bs	28-35	7.5YR 4/3	SB-FI-WE	30

	26	R	35+			100
Del Monte	27	OL-OF, OH	0-1.5			
	27	AC	1.5-5/10	2.5Y 4/2	GR - FI - WE	60
	27	CA	5/10-30+	2.5Y 4/3	GR - FI - WE	80
27-C	28	OL-OF-OH	0-5			
	28	A	5/8	10YR 3/2	SG	30
	28	AE	2-18	10YR 4/2	SG	30
	28	EA	18-38	10YR 5/2	PL-ME-MO	30
	28	Bs	38-50	7.5YR 3/4	SB-ME-MO	30
	28	R				100
Del Monte	29	OH	0-0.5			
	29	A	0.5-2	2.5Y 3/3	GR - FI - WE	50
	29	E	2-7/10	2.5Y 4/2	MA tendency to SB -FI	50
	29	CBs	7/10-20+	10YR 3/3	SB -FI - WE	70
29-C	30	OL-OH	0-12			
	30	AE/E	12-20/60	10YR 5/1	PL-FI-MO	10
	30	Bhs	20/60-30/70	5YR 3/3	SB-ME-MO	70
	30	Bhsm	30/70-120	5YR 3/3		80
	30	Bsm	120+	7.5YR 4/4		80
Del Monte	31	OH	0-1			
	31	EA	1-5/10	2.5Y 4/2	MA	50
	31	CB (s)	5/10-25+	10YR 3/3	GR-ME-WE tendency to	75
31-C	32	OL-OF-OH	0-12			
	32	E	12-20	10YR 5/1	PL-FI-WE	70
	32	Bhs/R	20-90	7.5YR 4/4	SB-ME-MO	90
	32	R				100

GR=granular
 PL=platy
 SB=subangular blocky
 MA=massive
 SG=single grained

CO=coarse
 ME=medium sized
 FI=fine

WE=weak
 MO=moderately developed
 ST=strong

Roots (size and abundance)	TC %	Carbonate %	TOC %	TN %	C/N	pH
F - S	0.96	3.24	0.57	0.06	16.00	8.33
F - VS	0.97	3.66	0.53	0.02	40.03	8.52
F-A	1.95	0.00	1.95	0.16	12.19	6.7
F-A	1.50	0.00	1.50	0.16	9.38	6.7
F-C	1.50	0.00	1.50	0.16	9.38	6.7
F-C	2.70	0.00	2.70	0.25	10.80	6.3
F-C	1.60	0.00	1.60	0.16	10.00	6.3
F-S	0.20	0.00	0.20	0.02	10.00	6.5
-						
F - C	0.91	2.69	0.59	0.04	22.75	8.54
F - S	1.02	3.14	0.64	0.03	33.99	8.66
F - A	1.84	0.00	1.84	0.17	10.82	6.2
F - C	0.98	0.00	0.98	0.10	9.80	5.7
F - C	0.69	0.00	0.69	0.07	9.86	6.4
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F - A	1.49	2.47	1.19	0.09	16.56	8.24
F - C	1.31	2.21	1.04	0.10	13.53	8
F - S	1.12	1.87	0.90	0.10	10.89	7.84
F-A	2.70	0.00	2.70	0.21	12.86	4.25
F-C	2.70	0.00	2.70	0.21	12.86	4.25
F-S	0.20	0.00	0.20	0.02	10.00	6.5
-						
F - C	1.07	1.13	0.93	0.11	9.73	7.38
F - F	0.18	1.29	0.03	0.03	6.85	8.05
F-A	3.90	0.00	3.90	0.29	13.45	4.9
F-C	1.39	0.00	1.39	0.12	11.58	5.1
-						
F - C	4.90	0.00	4.90	0.42	11.67	5.3
F-S	1.60	0.00	1.60	0.13	12.63	5.07
F-A	4.21	0.00	4.21	0.32	13.16	4.6
F-C	1.75	0.00	1.75	0.15	11.67	4.7
-						
F - C	4.05	0.00	4.05	0.35	11.57	5.3
F - S	0.50	0.00	0.50	0.04	12.37	5.37
F-A	5.32	0.00	5.32	0.31	17.16	4.7
F-A	2.42	0.00	2.42	0.15	16.13	4.5
F - A	3.10	0.00	3.10	0.24	12.92	5.81
F - VS	0.25	0.00	0.25	0.03	8.70	6.39

F-A	5.97	0.00	5.97	0.38	15.71	4.9
F-A	2.90	0.00	2.90	0.20	14.50	4.6
F-C	1.00	0.00	1.00	0.08	12.50	5
F -C	3.69	0.00	3.69	0.30	12.30	5.73
F-S	0.81	0.00	0.81	0.07	11.31	5.86
F-C	2.17	0.00	2.17	0.15	14.47	5.1
F-A	4.17	0.00	4.17	0.37	11.27	5.6
F-C	2.46	0.00	2.46	0.21	11.71	5.6
F-A	1.86	0.00	1.86	0.15	12.40	5.5
F - S	0.78	0.00	0.78	0.05	16.44	5.39
F-A	7.46	0.00	7.46	0.50	14.92	4.7
F-C	2.68	0.00	2.68	0.22	12.18	4.6
F and M - A	2.38	0.00	2.38	0.18	13.22	5.7
F - and M - VS	1.03	0.00	1.03	0.07	15.43	6.69
F and C - A	3.77	0.00	3.77	0.28	13.46	4.7
F and C - C	2.04	0.00	2.04	0.14	14.57	4.9
F and C - C	1.80	0.00	1.80	0.10	18.00	5.2
F and C - S	0.50	0.00	0.50	0.06	8.33	5.8
F-S						
F -C	3.19	0.00	3.19	0.19	16.79	5.1
F - S	1.01	0.00	1.01	0.07	13.69	5.63
F-A	6.20	0.00	6.20	0.35	17.71	4.8
F-C	2.45	0.00	2.45	0.16	15.31	5.3
F-C	2.45	0.00	2.45	0.16	15.31	5.3
F-C	1.84	0.00	1.84	0.10	18.40	5.4
F - C	2.27	0.00	2.27	0.09	26.16	5.86
F-C	15.00	0.00	15.00	0.75	20.00	
F - VS	0.20	0.00	0.20	0.01	20.00	
F AND C - C	2.07	0.00	2.07	0.09	23.00	4.1
F AND C - C	1.35	0.00	1.35	0.07	19.29	4.7
0	1.29	0.00	1.29	0.04	32.25	5.4
0	0.55	0.00	0.55	0.07	7.86	5.6
F-A	2.75	0.00	2.75	0.18	15.28	5.2
F-C	0.71	0.00	0.71	0.03	20.49	5.53
F-C	9.30	0.00	9.30	0.49	18.98	4.7
F and M - S	2.10	0.00	2.10	0.11	19.09	4.7
F and M - C	1.77	0.00	1.77	0.10	17.70	5

F-A	2.23	0.93	2.12	0.17	13.12	7.2
F - S	3.34	0.00	3.34	0.19	17.72	5.48
F-C	4.23	0.00	4.23	0.21	20.14	4.6
F-C	3.45	0.00	3.45	0.18	19.17	4.6
F-S	1.70	0.00	1.70	0.09	18.89	4.9
F-C	1.90	0.00	1.90	0.11	17.27	5.3
F-A	1.24	1.09	1.11	0.11	11.27	7.9
F - VS	1.00	0.00	1.00	0.06	16.67	6.4
F - S	1.72	0.00	1.72	0.11	15.41	6.52
			0.00			
F AND C - C	3.60	0.00	3.60	0.17	21.18	4.7
F AND C - C	2.00	0.00	2.00	0.09	22.22	4.7
	7.10	0.00	7.10	0.31	22.90	4.9
	3.90	0.00	3.90	0.15	26.00	4.9
F - C	2.19	1.33	2.03	0.16	13.69	7.7
F - C	1.27	1.25	1.12	0.09	14.11	7.98
F AND M-C	1.70	0.00	1.70	0.08	21.25	4.7
F AND M-C	4.60	0.00	4.60	0.22	20.91	4.7
	0	0	0			

F=fine
M= medium sized
C = coarse

C=common
A=abundant
S=scarce
VS=very scarce

Texture	Clay %	Land Use	WRB soil type	Soil type Austrian classification	Humus form
loamy sand	5	grassland	Calcaric Skeletic Regosol	Rendzina (RN)	Moder
loamy sand	5				
		grassland	Eutric Cambisol	Braunerden	Moder
sandy loam	8				
sandy loam	8				
sandy loam	8				
sandy loam	8				
sandy loam	8				
loamy sand	5				
		grassland	Calcaric Skeletic Regosol	Rendzina (RN)	Moder
sandy loam	8				
loamy sand	5				
		grassland	Eutric Leptosol	Pararendzina	Moder
sandy loam	8				
sandy loam	8				
loamy sand	5				
		grassland	Calcaric Skeletic Regosol	Rendzina (RN)	Moder
sandy loam	8				
sandy loam	8				
sandy loam	8				
		grassland	Dystric Leptosol	Pararendzina	Moder
sandy loam	8				
sandy loam	8				
loamy sand	5				
		grassland	Calcaric Skeletic Regosol	Rendzina (RN)	Moder
sandy loam	8				
loamy sand	5				
sandy loam	8	grassland	Dystric Umbric Leptosol	Ranker (RR)	Mull
loamy sand	5				
		grassland	Eutric Skeletic Regosol	Pararendzina	Moder
sandy loam	8				
sandy loam	8				
		grassland	Dystric Cambic Leptosol	Braunerden	Mull
sandy loam	8				
sandy loam	8				
		grassland	Eutric Skeletic Regosol	Pararendzina	Moder
sandy loam	8				
loamy sand	5				
		forest	Skeletic Leptic Umbrisol	Ranker (RR)	Moder
sandy loam	8				
sandy loam	8				
	0				
		grassland	Eutric Skeletic Regosol	Pararendzina	Moder
sandy loam	8				
loamy sand	5				
		forest	Dystric Skeletic Leptic Cambisol	Braunerden	Moder

sandy loam	8			
sandy loam	8			
sandy loam	8			
		grassland	Eutric Skeletic Regosol	Pararendzina Moder
sandy loam	8			
sandy loam	8			
sandy loam	8	grassland	Eutric Skeletic Cambisol	Braunerden Moder
sandy loam	8			
sandy loam	8			
		grassland	Dystric Skeletic Regosol	Pararendzina Moder
sandy loam	8			
sandy loam	8			
		grassland	Dystric Leptic Cambisol	Braunerden Mull
sandy loam	8			
sandy loam	8			
	0			
		grassland	Eutric Skeletic Regosol	Pararendzina Moder
sandy loam	8			
sandy loam	8			
		forest	Albic Podzol	Podsol (OT) Moder
sandy loam	8			
sandy loam	8			
sandy loam	8			
sandy loam	8			
	0			
		grassland	Dystric Skeletic Regosol	Pararendzina Moder
sandy loam	8			
sandy loam	8			
		forest	Skeletic Leptic Entic Podzol	Semipodsol (Moder
sandy loam	8			
sandy loam	8			
sandy loam	8			
sandy loam	8			
	0			
		grassland	Eutric Skeletic Regosol	Pararendzina Moder
sandy loam	8			
sandy loam	8			
sandy loam	8			
		forest	Skeletic Albic Ortsteinic Podzol	Podsol (OT) Mor
sandy loam	8			
sandy loam	8			
	8			
	8			
		grassland	Dystric Skeletic Regosol	Pararendzina Moder
sandy loam	8			
sandy loam	8			
		forest	Leptic Albic Podzol	Podsol (OT) Moder
sandy loam	8			
sandy loam	8			
sandy loam	8			

	0		
	grassland	Eutric Skeletic Regosol	Pararendzina Moder
sandy loam	8		
sandy loam	8		
	forest	Leptic Entic Podzol	Podsol (OT) Moder
sandy loam	8		
sandy loam	8		
sandy loam	8		
sandy loam	8		
	0		
	grassland	Eutric Skeletic Regosol	Pararendzina Moder
sandy loam	8		
sandy loam	8		
sandy loam	8		
	forest	Skeletic Albic Ortsteinic Podzol	Podsol (OT) Mor
sandy loam	8		
sandy loam	8		
	8		
	8		
	grassland	Calcaric Skeletic Regosol	Rendzina (RN Moder
sandy loam	8		
sandy loam	8		
	forest	Skeletic Albic Podzol	Podsol (OT) Mor
sandy loam	8		
sandy loam	8		
	0		

Slope (°) X coordinate Y coordinate Altitude (m)

36 405229 5080190 2648

32 405234 5080223 2641

29 405169 5080194 2621

29 405163 5080226 2602

25 404783 5080113 2511

18 404777 5080138 2502

12 404525 5080088 2442

13 404540 5080057 2444

38 403582 5078481 2319

32 403619 5078485 2306

16 403607 5078347 2244

29 403568 5078359 2251

6 403600 5078326 2240

9 403561 5078324 2238

7	403614	5078256	2238
0	403653	5078255	2240
12	403257	5078754	2275
15	403274	5078784	2274
17	403119	5078701	2234
22	403138	5078673	2243
14	403065	5078660	2223
32	403094	5078611	2230
21	402975	5078688	2203
40	402947	5078658	2182
20	403378	5079247	2303
19	403363	5079227	2298

27	403286	5079200	2275
31	403275	5079215	2267
27	403278	5079181	2276
24	403280	5079168	2279
31	403243	5079183	2257
28	403235	5079138	2269