

Rocky Meadow Plot #1 - 2005

last updated 6/11/08 dwi

	5/10/05	5/16/05	5/18/05	5/20/05	5/22/05	5/24/05	5/26/05	5/28/05	5/30/05	6/1/05
<i>Claytonia lanceolata</i>	snow covered		5% bare	4	213	900	1070	752	445	213
	15 cm snow			2	159	516	593			175
<i>Mertensia fusiformis</i>				99% bare					7	18
									1	2

Taraxacum officinale

Viola praemorsa

Hydrophyllum capitatum

Delphinium nuttallianum

Arabis drummondii

Lathyrus leucanthus

Eriogonum umbellatum

Arenaria conjesta

Poa pratensis

Silene antirrhina

Potentilla hippiana

Helianthella quinquenervis

Achnatherum (Stipa) lettermanii - needlegrass (long awns)

Erigeron speciosus

Heterotheca (Chrysopsis) villosa

Koeleria macrantha - no obvious awn, inconspicuous anthers

Polygonum douglasii

Polygonum aviculare

Aster engelmannii

Artemisia tridentata

Total Flowers	0	0	0	4	213	900	1070	752	452	231
Total flowers without grasses	0	0	0	4	213	900	1070	752	452	231
# species in bloom	0	0	0	1	1	1	1	1	2	2
# species flowering without grasses	0	0	0	1	1	1	1	1	2	2

Notes: Krehe and Kathy Ritter did counts until 1 June; no gopher dumps; Emily Morris did counts on 21 and 23 August

This plot is located in the first meadow that Trail 401 crosses as you head north from the trailhead in Gothic. GPS coord 0.61 km to Billy Barr's snow measuring station

		without grasses
Total number of species flowering =	22	19
Maximum # of flowers on one day =	1070	1070
Maximum # of species in flower =	8	7
Maximum H' = .		

Rocky Meadow plot #1.

Point #	Plot name	Corner (com)	Altitude (feet)	Altitude (meters)	Latitude	Longitude
208	Rocky Mead	Southwest	9730.166	2965.75	38.961922	106.98659
209	Rocky Mead	Northwest	9732.4	2966.44	38.961933	106.98661
210	Rocky Mead	Northeast	9733.978	2966.92	38.961945	106.98659
211	Rocky Mead	Southeast	9731.739	2966.23	38.961933	106.98657

snowing

6/3/05	6/5/05	6/7/05	6/9/05	6/11/05	6/13/05	6/15/05	6/17/05	6/19/05	6/21/05	6/23/05	6/25/05	6/27/05	6/29/05
95	120	50	6										
88	102	43	6										
25	40	63	79	61	60	69	37	20	4	2	3	1	
5	6	9	10	10	10	10	9	7	1	1	3	1	
	1	1	1	2	2	3	4	1	1				seed
	1	1	1	1	1	3	3	1	1				
			1	2	2	2							
			1	1	1	1							
				15	15	61	63	24	2				
				3	5	12	10	5	2				

buds

						1	8	35	37	49	33	31	18
						1	6	13	13	17	15	15	11
									1	3	2	4	2
									1	1	1	1	1
										2	4	3	11
										1	2	2	7

leaves up

120	161	114	87	80	79	136	112	80	45	56	42	39	31
120	161	114	87	80	79	136	112	80	45	56	42	39	31
2	3	3	4	4	4	5	4	4	5	4	4	4	3
2	3	3	4	4	4	5	4	4	5	4	4	4	3

, and Rebecca Hewitt remaining counts

dates below. See metadata file at www.rmbl.org for Inouye phenology project for additional details.

7/1/05 7/3/05 7/6/05 7/8/05 7/10/05 7/12/05 7/14/05 7/17/05 7/19/05 7/21/05 7/23/05 7/25/05 7/27/05 7/29/05

pigweed (?) flowering between RM1 and RM6

12	4														
9	3														
1															
1															
11	4														
7	4														
	3	5	12	12	6	6	6	3	3	3					
			2	5	13	36	127	47	31	27	20	30	25		
			2	5	11	30	63	32	22	16	14	25	19		
							9	12	total of 15 in plot						
			buds				1	2	2	2	1				
							1	2	2	2	1				
							5	7	9	8	2	1	7	11	
							4	7	8	8	2	1	7	9	
								2	2	2	2	2	2	1	
								2	2	2	2	2	2	1	
								2	1	3					
									2						
								1	17	33	35	39	43		
								1	3	3	3	3	4		
									8	11	26	69	89		
									3	5	9	12	9		
											3		3		
												4	4		
												3	4		

24	11	5	14	17	19	57	158	65	74	79	87	151	176
24	11	5	14	17	19	48	144	64	71	79	84	151	173
3	3	1	2	2	2	5	7	7	8	7	6	6	7
3	3	1	2	2	2	4	5	6	7	7	5	6	6

Patty and Emily did counts through 8/15

Emily did counts 8/23-25

7/31/05 8/2/05 8/5/05 8/7/05 8/9/05 8/11/05 8/13/05 8/15/05 8/17/05 8/19/05 8/21/05 8/23/05 8/25/05 8/27/05

	7	7	9	5	5	3	3	4	4	6	6		3	2
	6	6	7	4	3	3	2	2	2	3	4		2	2

total of 3 stalks in plot

	2	11	13		5	1								
	2	9	7		4	1								
	1	1				1	1	1	1	1	1	1	1	
	1	1												

4 aborted (frost-killed) stalks on SW plant, 4 on the North middle plant that has some flowers; flies in the two te

total of 3 stalks in plot

	32	17	10	6	6	7	1	1						
	2	2	3	2	2	3	1	1						
109	82	97	31	50	33	54	43	56	19	14	18	23	23	
	11	9	8	5	5	5	9	9	6	7	7	5	9	
	5	5 total of 3 stalks in plot												
	2	2												
	1	6	6	35	42	94	56	85	100	30	24	43	66	49
	1		5	27	29	61	40	49	56	19	21	36	59	34
	3	3	4	1	1	11	3	2	5	1	1	7	11	5
	2	2	3	1	1	5	3	2	2	1	1	6	10	2
								1	1			1	2	3

							1	1			1	5	10	3 13
160	132	139	78	109	150	118	137	167	57	47	75	116	95	
155	127	139	78	109	150	118	137	167	57	47	75	116	95	
8	8	6	5	6	7	6	7	6	5	6	6	7	6	
7	7	6	5	6	7	6	7	6	5	6	6	7	6	

8/29/05 8/31/05 9/4/05 9/6/05 9/8/05 9/10/05 9/12/05 9/14/05 9/16/05 9/18/05 9/20/05 9/22/05 9/24/05 9/26/05

terminal heads

24	25	9	12	6	5	4	4	3					
8	10	7	7	4	4	4	3	3					
22	8	20	4	3	55	7	11	4			4	4	7
15	8	20	4	2	50	7	10	4			3	4	5
6	11	3	4	1	1		1						
2	11	2	4	1	1		1						
6	7	2	4	7	9	5	2	2	2	1	1	1	

3	4	2	4	7	9	5	2	2	2	1	1	1	
15	14	12	13	7	4								
73	65	46	37	24	74	16	18	9	2	1	5	5	7
73	65	46	37	24	74	16	18	9	2	1	5	5	7
5	5	5	5	5	5	3	4	3	1	1	2	2	1
5	5	5	5	5	5	3	4	3	1	1	2	2	1

9/28/05	9/30/05	Length of flowering		Maximum number	
		21	<i>Claytonia lanceolata</i>	1070	flowers
					593 genets
		29	<i>Mertensia fusiformis</i>	79	flowers
					10 genets
		17	<i>Taraxacum officinale</i>	4	capitula
					3 genets
		7	<i>Viola praemorsa</i>	2	flowers
					1 genets
		11	<i>Hydrophyllum capitatum</i>	63	flowers
					12 genets
		19	<i>Delphinium nuttallianum</i>	49	flowers
					17 genets
		11	<i>Arabis drummondii</i>	4	flowers
					1 genets
		11	<i>Lathyrus leucanthus</i>	11	flowers
					7 clusters of flowers
			<i>Eriogonum umbellatum</i>		
		21		12	inflorescences
		51	<i>Arenaria conjesta</i>	127	flowers
					63 genets
			<i>Poa pratensis</i>		
		4		12	inflorescences
		10	<i>Silene antirrhina</i>	2	flowers
					2 genets
		29	<i>Potentilla hippiana</i>	13	flowers
					9 clusters of flowers
		40	<i>Helianthella quinquenervis</i>	2	capitula
					2 genets
		5	<i>Achnatherum (Stipa) lettermanii</i>	3	inflorescences
					2 clumps(genets)
		28	<i>Erigeron speciosus</i>	43	capitula
					4 genets
		58	<i>Heterotheca (Chrysopsis) villosa</i>	109	capitula
					12 genets
		9	<i>Koeleria macrantha - no obvious</i>	5	inflorescences
					2 clumps(genets)
3	6	66	<i>Polygonum douglasii</i>	100	inflorescences
2	3				61 genets
		46	<i>Polygonum aviculare</i>	11	inflorescences
					11 genets
		41	<i>Aster engelmannii</i>	9	capitula

21

Artemisia tridentata

15

9 genets
inflorescences

3 6

3 6

1 1

1 1