

Rocky Meadow Plot #5 - 2005	last updated 6/11/08 dwi								snowing		
Date	5/10/05	5/16/05	5/20/05	5/22/05	5/24/05	5/26/05	5/28/05	5/30/05	6/1/05	6/3/05	6/5/05
<i>Claytonia lanceolata</i>	snow covered		16.5 cm snow		143	304	466	383	224	89	119
<i>Mertensia fusiformis</i>	snow covered		95% bare		90	187	271		181	67	91
<i>Delphinium nuttallianum</i>											
<i>Arabis drummondii</i>											
<i>Eriogonum umbellatum</i>											
<i>Erigeron flagellaris</i>											
<i>Potentilla hippiana</i>											
<i>Arenaria conjesta</i>											
<i>Eriogonum subalpinum</i>											
<i>Poa pratensis</i>											
<i>Rosa woodsii</i>											
<i>Heterotheca (Chrysopsis) villosa</i>											
<i>Elymus (Agropyron) trachycaulus</i> - wild rye											
<i>Erigeron speciosus</i>											
<i>Koeleria macrantha</i>											
<i>Polygonum douglasii</i>											
<i>Polygonum aviculare</i>											
Total Flowers	0	0	0	0	143	304	466	383	224	89	119
Total flowers without grasses	0	0	0	0	143	304	466	383	224	89	119
# species flowering	0	0	0	0	1	1	1	1	1	1	1

# species flowering without grasses

0 0 0 0 1 1 1 1 1 1 1

Notes: Krehe and Kathy Ritter did counts until 1 June; 5% winter gopher dump; Emily Morris did counts on 21 and 23 Aug

This 2x2-m plot is located in the first open meadow along trail 401 going north from the trailhead in Gothic; 688m to Willow

	without grasses	
Total number of species flowering	17	14
Maximum # of flowers on one day	466	466
Maximum # of species in flower =	8	7
Maximum H' =		

Rocky Meadow plot #5

Point #	Plot name	Corner (corner)	Altitude (feet)	Altitude (meters)	Latitude	Longitude
223	Rocky Mea	Southeast	9744.349	2970.08	38.962241	106.98693
224	Rocky Mea	Southwest	9743.834	2969.92	38.96223	106.98694
225	Rocky Mea	Northwest	9743.764	2969.9	38.962244	106.98696
226	Rocky Mea	Northeast	9744.487	2970.12	38.962255	106.98694

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	7/1/05	7/3/05
71	19	1		1									
62	17	1		1									
				3									
				1									
					5	25	46	73	52	47	32	22	10
					4	12	15	20	17	16	13	14	8
					buds		1		2	3	2	1	1
							1		1	1	1	1	1
													1
													1

71	19	1	0	4	5	25	47	73	54	50	34	23	13
71	19	1	0	4	5	25	47	73	54	50	34	23	13
1	1	1	0	2	1	1	2	1	2	2	2	2	4

1 1 1 0 2 1 1 2 1 2 2 2 2 4

ust, and Rebecca Hewitt remaining counts

/-Meadow Interface Plot #1, measured with Garmin Rino radio/GPS

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	7/31/05	8/2/05
6	11	10	12	14	7	4							
9	23	39	45	37	23	5	11	2		2	1	2	2
	2	2	2		3		1	1	1	1		2	
	2	2	2		2		1	1	1	1		2	
			8	41	173	109	54	44	13	29	39	23	3
			8	29	108	70	36	37	11	25	31	17	3
			2	2	2	2	1						
				9	14	10	19		17				total of 22 :
				2									
				2									
				1	7	14	38	32	39	50	45	27	36
				1	2	4	6	6	8	7	7	9	8
				1	2	2		total of 3 in plot					
						3	5	11	12	17	24	28	17
						1	1	1	2		2	2	2
										2	8	9	1
										2	6	4	1
												1	1
												1	1
												2	
												1	
15	36	51	69	107	231	149	129	90	82	101	117	94	60
15	36	51	69	97	215	137	110	90	65	99	109	85	59
2	3	3	5	8	8	8	7	5	5	6	5	8	6

2

3

3

5

6

6

6

6

5

4

5

4

7

5

Patty and Emily did counts through 8/15

Emily did counts 8/23-25

	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	8/29/05	8/31/05
plot was skipped due to lightning										1	1	1	1	1
			7	4		4	6	4	5	1		3	10	7
		5	5			4	6	4	5	1		3	9	6
	10	24	31	42	51	20	16	12	14	8	7	6	6	1
	10	19	23	29	33	16	11	9	7	5	5	5	5	1
stalks in plot														
	23	15	15	15	6	12	11	9	9	11	11	15	37	
	8	5	6	4	2	4	6	4	4	5	4	4	6	
	10	12	10	2	2									
	2	2	2	1	1									
total of 4 and 6 stalks in plot														
	3	4	4	2	8	11	3	2	6	11	3	2		
	3	3	3	2	4	3	2	2	6	11	2	2		
	11	10	22	14	42	9	6	9	22	46	24	24	8	
	6	8	17	9	20	4	3	5	16	37	11	12	8	
	0	57	72	86	75	113	58	40	37	53	77	49	58	54
	0	57	72	86	75	113	58	40	37	53	77	49	58	54
	0	5	6	6	5	6	5	5	5	6	5	6	6	5

0

5

6

6

5

6

5

5

5

6

5

6

6

5

9/4/05 09/06/05 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 9/28/05 9/30/05

1 1 1

4 1 1 1  
3 1 1 1

36 48 39 44 32 27 8  
7 7 6 9 6 5 4

3 2  
3 1  
6 4 1  
5 4 1

total of about 26 plants in plot

total of about 5 plants in plot

49 53 41 49 33 28 8 0 0 0 0 0 0 0

49 53 41 49 33 28 8 0 0 0 0 0 0 0

4 3 3 5 2 2 1 0 0 0 0 0 0 0

4 3 3 5 2 2 1 0 0 0 0 0 0 0

Length of flowering		Maximum number	
	second flowering		
23	<i>Claytonia lanceolata</i>	466	flowers 271 genets
2	<i>Mertensia fusiformis</i>	3	flowers 1 genets
17	<i>Delphinium nuttallianum</i>	73	flowers 20 genets
13	<i>Arabis drummondii</i>	3	flowers 1 genets
	<i>Eriogonum umbellatum</i>		
17		14	inflorescences
31	21 <i>Erigeron flagellaris</i>	45	capitula
33	<i>Potentilla hippiana</i>	10	flowers 9 clusters of flowers
51	<i>Arenaria conjesta</i>	173	flowers 108 genets
	<i>Eriogonum subalpinum</i>		
10		2	inflorescences
	<i>Poa pratensis</i>		
12		19	inflorescences
2	<i>Rosa woodsii</i>	2	flowers 2 genets
65	<i>Heterotheca (Chrysopsis) villosa</i>	50	capitula 9 genets
	<i>Elymus (Agropyron) trachycaulus</i> - wild rye		
6		2	inflorescences
28	<i>Erigeron speciosus</i>	28	capitula 2 genets
	<i>Koeleria macrantha</i>		
7		9	inflorescences 6 clumps(genets)
42	<i>Polygonum douglasii</i>	11	inflorescences 11 genets
46	<i>Polygonum aviculare</i>	46	inflorescences 37 genets