

Rocky Meadow Plot #6 - 2005

last updated 6/11/08 dwi

snowing

	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	6/3/05
<i>Claytonia lanceolata</i>	snow covered		85% bare	83	211	422	335	180	83	47	6
		15% bare		65	159	250	220	141	72	42	6
<i>Carex geyeri</i> male								1			
female						1					
both								1			
<i>Mertensia fusiformis</i>									6	14	14
									2	4	4
<i>Androsace septentrionalis</i>											
<i>Delphinium nuttallianum</i>											
<i>Gnaphalium uliginosum</i>											
<i>Taraxacum officinale</i>											
<i>Senecio integerrimus</i>											
<i>Eriogonum umbellatum</i>											
<i>Erigeron flagellaris</i>											
<i>Senecio integerrimus</i>											
<i>Eriogonum subalpinum</i>											
<i>Arenaria conjesta</i>											
<i>Festuca pratensis</i> (?)											
grass, NE corner, reddish node, inflorescence tighter than Poa, larger glumes											
<i>Sedum lanceolatum</i>											
<i>Poa pratensis</i>											
<i>Potentilla hippiana</i>											
<i>Erigeron speciosus</i>											
<i>Heterotheca (Chrysopsis) villosa</i>											

*Koeleria macrantha* - no obvious awn, inconspicuous anthers, west side

*Calochortus gunnisoni*

*Achnatherum (Stipa) lettermanii* - needlegrass (long awns)

*Muhlenbergia* species (a C4 grass)

in SE corner

*Polygonum aviculare*

Total Flowers	0	0	0	83	211	422	336	182	89	61	20
Total flowers without grasses	0	0	0	83	211	422	336	182	89	61	20
# species flowering	0	0	0	1	1	1	2	2	2	2	2
# species flowering without grasses	0	0	0	1	1	1	2	2	2	2	2

Notes: Krehe and Kathy Ritter did counts until 1 June; 1% winter gopher dump; no *Polygonum douglasii* in plot; Emily Mor

This plot is located in the first meadow that Trail 401 crosses as you head north from the trailhead in Gothic. GPS coordinat

		without grasses
Total number of species flowering	24	19
Maximum # of flowers on one day	422	422
Maximum # of species in flower =	8	6
Maximum H' =	.	.

Rocky Meadow plot #6 (only 3 corners marked with steel stakes; one doesn't have enough soil to hold one).

Point #	Plot name	Corner (corner)	Altitude (feet)	Altitude (meters)	Latitude	Longitude
216	Rocky Mea	Southwest	9735.003	2967.23	38.962005	106.9869
217	Rocky Mea	Northwest	9734.954	2967.21	38.962018	106.98691
218	Rocky Mea	Northeast	9736.682	2967.74	38.96203	106.98689



23	29	30	20	20	25	33	51	56	54	45	44	38	23
23	29	30	20	20	25	33	51	56	54	45	44	38	23
3	2	2	2	2	3	3	4	4	4	3	4	5	6
3	2	2	2	2	3	3	4	4	4	3	4	5	6

ris did counts on 21 and 23 August, and Rebecca Hewitt remaining counts

ates below. See metadata file at [www.rnbl.org](http://www.rnbl.org) for Inouye phenology project for additional details.

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    7/31/05

1  
1

1  
1

11    14    13    3    4    1  
5    4    3    2    2    1

4    7    10    11       2  
17    17    112    139    92    20    7    3    1    2    1

5    17    24    18    7    8  
2    4    4    4    2    4  
    1    3    5    6    8    9    8    4    5  
          9    28    55    252    332    129    34    46    9    12    5    1  
       9    28    42    143    198    96    25    27    8    10    4    1

2    2    2    total of 2 stalks in plot  
       12    20    37    28    16    7    14    6    1  
       6    12    12    11    11    6    9    4    1

1    total of 2 stalks in plot  
          1    1    1          3  
          1    1    1          3  
          1    3    5    5    5    4    4    3  
          1    1    1    1    1    1    1    1  
             14    43    61    68    87    92    48  
             4    8    12    8    10    14    10  
             1    1          4  
             1    1          2

1 1  
1 1

1 done  
total of 2 stalks in plot

22	38	56	60	68	276	356	190	114	130	93	121	108	53
22	39	59	65	72	281	365	193	116	133	93	121	108	53
5	3	4	4	4	6	5	8	7	5	5	6	5	4
5	4	5	5	4	5	6	6	6	5	4	6	5	4

Patty and Emily did counts through 8/15

Emily did counts 8/23-25

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 8/29/05

2 5 3 1 8 10 5 1  
2 4 3 1 8 10 5 1

1  
1  
1 1 1

Heterotheca shedding seed

44 21 21 26 10 25 17 21 15 20 14 13 9 12  
9 5 10 9 5 4 6 4 5 5 3 3 3 5

total of 4 stalks in plot

												2	1
												2	1
													1
													1
47	26	24	27	18	36	22	23	15	20	14	13	11	14
47	26	24	27	18	36	22	23	15	20	14	13	9	13
3	2	2	2	2	3	2	3	1	1	1	1	2	3
3	2	2	2	2	3	2	3	1	1	1	1	1	2



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 9/28/05

1

1

1

7  
5

6  
2

6  
2

6  
3

4  
3

4  
3

4  
3

2  
2

1  
1

1  
1

3 tiny plants in plot this year

8	6	6	7	4	4	4	2	2	0	0	1	0	0
7	6	6	7	4	4	4	2	2	0	0	1	0	0
2	1	1	2	1	1	1	1	2	0	0	1	0	0
1	1	1	2	1	1	1	1	2	0	0	1	0	0

9/30/05	Length of flowering		Maximum number	
	second flowering			
	17	<i>Claytonia lanceolata</i>	422	flowers 250 genets
	2	<i>Carex geyeri</i> male	1	inflorescences
	2	female	1	inflorescences
	2	both	1	inflorescences
	19	<i>Mertensia fusiformis</i>	24	flowers 4 genets
	29	<i>Androsace septentrionalis</i>	10	flowers 2 genets
	17	<i>Delphinium nutallianum</i>	42	flowers 18 genets
	15	<i>Gnaphalium uliginosum</i>	8	flowers 2 genets
	2	<i>Taraxacum officinale</i>	1	capitula 1 genets
	24	<i>Senecio integerrimus</i>	14	capitula 5 genets
		<i>Eriogonum umbellatum</i>		
	19		11	inflorescences
	25	17 <i>Erigeron flagellaris</i>	139	capitula 0 genets
	14	<i>Senecio integerrimus</i>	24	capitula 4 genets
	18	<i>Eriogonum subalpinum</i>	9	inflorescences 3 genets
	41	<i>Arenaria conjesta</i>	332	flowers 198 genets
		<i>Festuca pratensis</i> (?)		
	8	grass, NE corner, reddish node	2	inflorescences
	18	<i>Sedum lanceolatum</i>	37	flowers 12 genets
		<i>Poa pratensis</i>		
	2		1	inflorescences
	11	5 <i>Potentilla hippiana</i>	3	flowers 3 clusters of flowers
	17	<i>Erigeron speciosus</i>	5	capitula 1 genets
	62	<i>Heterotheca (Chrysopsis) villosa</i>	92	capitula 14 genets
	7	<i>Koeleria macrantha</i> - no obvious	4	inflorescences 2 clumps(genets)

3	<i>Calochortus gunnisoni</i>	1	flowers 1 genets
	<i>Achnatherum (Stipa) lettermanii</i> - needlegrass (long awns)		
5	<i>Muhlenbergia</i> species (a C4 gra in SE corner)	2	inflorescences 2 genets
2	<i>Polygonum aviculare</i>	1	inflorescences 1 genets

0

0

0

0