

Rocky Meadow Plot #2 - 2006

last updated 6/23/08 dwi

	4/28/2006	4/30/06	5/2/2006	5/4/2006	5/6/2006	5/8/2006
<i>Claytonia lanceolata</i>	snow gone	4	33	73	146	134
<i>Carex geyeri</i>		4	27	57	109	81
	male					
	female				2	6
	both					
<i>Mertensia fusiformis</i>						
<i>Androsace septentrionalis</i>						
<i>Viola praemorsa</i>						
<i>Delphinium nuttallianum</i>						
<i>Taraxacum officinale</i>						
<i>Eriogonum umbellatum</i>						
<i>Vicia americana</i>						
<i>Arenaria conjesta</i>						
<i>Eriogonum subalpinum</i>						
<i>Phacelia heterophylla</i>						
outside plot						
<i>Poa pratensis</i>						
<i>Erigeron speciosus</i>						
<i>Potentilla hippiana</i>						
<i>Gayophytum ramosissimum</i>						
between RM1 and RM2						
<i>Achnatherum (Stipa) lettermanii</i> - needlegrass (long awns)						
<i>Heterotheca (Chrysopsis) villosa</i>						
<i>Festuca thurberi</i> - bunch grass						
<i>Sedum lanceolatum</i>						
<i>Koeleria macrantha</i> - no obvious awn, inconspicuous anthers, middle of south side of plot						
<i>Artemisia tridentata</i>						
<i>Polygonum douglasii</i>						
<i>Polygonum aviculare</i>						

Total Flowers	0	4	33	73	148	140
Total without grasses	0	4	33	73	148	140
# species flowering	0	1	1	1	2	2
Total without grasses	0	1	1	1	2	2

Notes: Krehe and Kathy Ritter did counts until 1 June; no gopher dun

This plot is located in the first meadow that Trail 401 crosses as you l

permanent snow cover began about 13 November 2006, based on te
snowmelt date based on temperature and light data from Hobo Pend.

Total number of species flowering =	22	without gra:
Maximum # of flowers on one day =	718	
Maximum # of species in flower =	8	
Maximum H' = .		

Rocky Meadow plot #2 (only 3 corners marked with steel stake

Point #	Plot name	Corner (con	Altitude (feet)	Altitude (meters)	Latitude
212	Rocky Mead	Southwest	9731.867	2966.27	38.961961
213	Rocky Mead	Northwest	9732.662	2966.52	38.961972
215	Rocky Mead	Northeast	9734.362	2967.03	38.961984

264	192	170	144	86	74	67	90	139
264	192	170	144	86	74	67	90	139
2	2	3	3	4	4	6	4	4
2	2	3	3	4	4	6	4	4

nps; 2 new galls on Artemisia; 1 Rosa stem in plot; Patty Coffin did counts 6-10, 16 August; Elizabeth Zi

head north from the trailhead in Gothic. GPS coordinates below. See metadata file at www.rnbl.org for

temperature and light data from Hobo Pendant data logger
 ant data logger = 13 April 2007

sses
18
717
6

s; one doesn't have enough soil to hold one).

Longitude
106.98688
106.9869
106.98688

5/28/2006 5/30/2006 6/1/2006 6/3/2006 6/5/2006 6/7/2006 6/9/2006 6/11/2006 6/13/2006

15	6	1						
4	2	1						
14	20	13	11	4		3	2	1
1	1	1	1	1		1	1	1
240	301	313	211	158	73	47	21	9
128	121	129	94	81	44	28	14	7
					5	4	6	14

269	327	327	222	162	78	54	29	24
269	327	327	222	162	78	54	29	24
3	3	3	2	2	2	3	3	3
3	3	3	2	2	2	3	3	3

egler did counts 14, 18-24 August and from 28 August to end; no *Pachystima* flowering in plot this year

Inouye phenology project for additional details.

25	24	44	53	132	340	612	564	718
25	24	44	53	132	339	612	564	717
4	3	3	3	4	4	3	4	7
4	3	3	3	4	3	3	4	6

330	669	521	222	329	234	249	293	138
330	667	518	222	321	232	242	283	133
5	6	6	6	8	6	7	7	5
5	4	5	6	6	5	5	5	4

55	75	68	23	10	8	6	21	4
53	73	66	23	10	8	3	18	1
5	4	4	4	3	3	4	4	4
4	3	3	4	3	3	3	3	3

8/8/2006 8/10/2006 8/12/2006 8/14/2006 8/16/2006 8/18/2006 8/20/2006 8/22/2006 8/24/2006

2
1 2
1

	1		1	1		1			
	1		1	1		1			
X		X	X	X	X	X	X	X	X
	7	5	1	1					
	9	5	1	5	8	5	7	6	6
	3	2	1	3	3	3	3	2	2
28	43	54	69	51	59	90	62	30	
	4	6	6	6	6	6	4	5	

36	52	62	77	57	66	96	68	37
29	47	61	76	57	66	96	68	37
4	3	4	4	2	3	2	3	3
3	3	3	3	2	3	2	3	3

8/26/2006 8/28/2006 8/30/2006 9/1/2006 9/3/2006 9/5/2006 9/7/2006 9/9/2006 9/11/2006

1 2
1 1

X X X X X X X

4 5 2 1 1
2 2 1 1 1

12 17 11 6 2
4 4 3 3 1
1 1 1 1 1 1 1 2
1 1 1 2 2

17	23	17	10	3	0	1	1	2
17	23	17	10	3	0	1	1	2
3	3	4	3	2	0	1	1	1
3	3	4	3	2	0	1	1	1

9/14/2006 9/16/2006 9/18/2006 9/20/2006

Length of flowering

second flowering

23	<i>Claytonia lanceolata</i>
	<i>Carex geyeri</i>
17	
19	<i>Mertensia fusiformis</i>
27	<i>Androsace septentrion</i>
3	<i>Viola praemorsa</i>
27	<i>Delphinium nuttallianu</i>
2	<i>Taraxacum officinale</i>
	<i>Eriogonum umbellatur</i>
25	
9	<i>Vicia americana</i>
53	7 <i>Arenaria conjesta</i>
	<i>Eriogonum subalpinur</i>
27	
29	<i>Phacelia heterophylla</i> outside plot
	<i>Poa pratensis</i>
2	
29	<i>Erigeron speciosus</i>
49	<i>Potentilla hippiana</i>
69	<i>Gayophytum ramosiss.</i> between RM1 and RM
11	13 <i>Achnatherum (Stipa) l</i>
65	<i>Heterotheca (Chrysop</i>
13	<i>Festuca thurberi - bun</i>
9	<i>Sedum lanceolatum</i>
	<i>Koelaria macrantha - r</i>
11	
31	<i>Artemisia tridentata</i>
16	<i>Polygonum douglasii</i>
2	<i>Polygonum aviculare</i>

1
1

1	0	0	0
1	0	0	0
1	0	0	0
1	0	0	0

	maximum number of flowers	maximum number of stalks or plants
	261	flowers
		143 genets
	2	inflorescences
	6	inflorescences
	3	inflorescences
	86	flowers
<i>alis</i>		14 genets
	20	flowers
		1 genets
	2	flowers
<i>m</i>		1 genets
	313	flowers
		129 inflorescences
	1	capitulae
		1 genets
<i>1</i>		
	19	inflorescences
	3	flowers
		2 clusters of flowers
	698	flowers
		387 inflorescences
<i>1</i>		
	19	inflorescences
	64	flowers
	7	inflorescences
	1	inflorescences
	23	capitulae
		6 patches
	8	flowers
		8 inflorescences
<i>imum</i>		presence of flowers
<i>12</i>		
<i>lettermanii</i>	7	inflorescences
		4 patches
<i>sis) villosa</i>	43	capitulae
		7 patches
<i>ch grass</i>	5	inflorescences
		2 patches
	3	flowers
		1 inflorescences
no obvious awn, inconspicuous anthers, middle of south side of plot		
	5	inflorescences
	90	inflorescences
		6 genets
	2	flowers
		2 inflorescences
	2	flowers
		2 inflorescences