

Rocky Meadow Plot #5 - 2006

last updated 6/23/08 dwi

Date	4/28/2006	5/2/2006	5/4/2006	5/6/2006	5/8/2006	5/10/2006
<i>Claytonia lanceolata</i>						21
	12.5 inches	7 inches	20% bare	99% bare	snow gone	18

Mertensia fusiformis

Delphinium nuttallianum

Androsace septentrionalis

Arabis drummondii

Senecio integerrimus

Erigeron flagellaris

Eriogonum umbellatum

Potentilla hippiana

Arenaria conjesta

Eriogonum subalpinum

Heterotheca (Chrysopsis) villosa

Poa pratensis

Erigeron speciosus

Achnatherum (Stipa) lettermanii - needlegrass (long awns)

Polygonum douglasii

Polygonum aviculare

Koeleria macrantha

Poa species ?? - NE corner

Total Flowers	0	0	0	0	0	21
Total without grasses	0	0	0	0	0	21
# species flowering	0	0	0	0	0	1
Total without grasses	0	0	0	0	0	1

Notes: Krehe and Kathy Ritter did counts until 1 June; no winter goph

This 2x2-m plot is located in the first open meadow along trail 401 go
 permanent snow cover began about 12 November 2006, based on te
 snowmelt date based on temperature and light data from Hobo Pend

Total number of species flowering =	19	without gra
Maximum # of flowers on one day =	528	
Maximum # of species in flower =	8	
Maximum H' = .		

Rocky Meadow plot #5

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

5/12/2006	5/14/2006	5/16/2006	5/18/2006	5/20/2006	5/22/2006	5/24/2006	5/26/2006	5/28/2006
178	393	528	523	313	109	50	12	
127	232	302	329	250	106	46	12	
					1	9	25	16
					1	4	4	4
								1
								1

178	393	528	523	313	110	59	37	17
178	393	528	523	313	110	59	37	17
1	1	1	1	1	2	2	2	2
1	1	1	1	1	2	2	2	2

er dump; Patty Coffin did counts 6-10, 16 August; Elizabeth Ziegler did counts 14, 18-24 August and fro

ing north from the trailhead in Gothic; 688m to Willow-Meadow Interface Plot #1, measured with Garmin

emperature and light data from Hobo Pendant data logger
ant data logger = 26 April 2007

sses
15
528
7

Longitude
106.98693
106.98694
106.98696
106.98694

5/30/2006 6/1/2006 6/3/2006 6/5/2006 6/7/2006 6/9/2006 6/11/2006 6/13/2006 6/15/2006

13								
4								
2	10	18	28	31	22	11	14	8
2	6	10	14	12	10	5	5	4
1	2		1	2		2	1	2
1	1	missed?	1	1		1	1	2
	3	8	5	3	2	5	3	
	2	2	2	2	2	2	2	
			2	6	8	4		
			2	2	2	2		
							5	7
							3	3

16	15	26	36	42	32	22	23	17
16	15	26	36	42	32	22	23	17
3	3	2	4	4	3	4	4	3
3	3	2	4	4	3	4	4	3

from 28 August to end

Rino radio/GPS. GPS coordinates below. See metadata file at www.rnbl.org for Inouye phenology prc

6/17/2006 6/19/2006 6/21/2006 6/23/2006 6/25/2006 6/27/2006 6/29/2006 7/1/2006 7/3/2006

4
2
1 1
1 1

2 stalks on the same root

9	42	53	52	15	9	6	9	7	
6	18	21	26	11	8	5	7	7	
1	13	17	24	13	5	1			
		1	1	4	3	7	3	2	
		1	1	3	3	6	3	2	
				9	6	8	41	99	
				9	6	8	33	68	
		total of 7 inflorescences in plot							
				1	4	6	6	6	
					1	3	5	12	
					1	2	2	2	
						3	2		
						total of 8 stalks in plot			
						3	2		

15	56	71	77	42	28	34	66	126
15	56	71	77	42	28	31	64	126
4	3	3	3	4	6	7	6	5
4	3	3	3	4	6	6	5	5

ject for additional details.

7/5/2006 7/7/2006 7/9/2006 7/11/2006 7/13/2006 7/15/2006 7/17/2006 7/19/2006 7/21/2006

3	1	1							
3	1	1							
						shedding seed			
	3	6	3	2	2	3	11	5	
	2	4	3	2	2	3	9	5	
191	352	146	215	275	256	249	194	153	
120	219	119	146	204	194	189	136	111	
4	4	4	4						
11	13	15	14	17	22	22	17	11	
2	3	3	3	5	7	6	7	4	
2				1					
1	2	2	3	4	10	11	8	9	
1	1	1	1	1	1	1			
				3	X	5	5	2	
				total of 5 stalks in plot					
						6	7	7	
						6	6	7	
						1	4	10	
						1	4	9	
							1	1	
212	375	174	239	302	290	297	247	198	
210	375	174	239	298	290	292	241	195	
6	6	6	5	5	5	7	8	8	
5	6	6	5	4	5	6	6	6	

7/23/2006 7/25/2006 7/27/2006 7/29/2006 7/31/2006 8/2/2006 8/4/2006 8/6/2006 8/8/2006

1									1
1									1
			1	1	4	4	4		4
			1	1	4	4	4		4
10	15	3	6	18	15	8	13		16
9	12	3	6	12	9	6	6		11
210	133	73	59	39	29	20	73		55
156	106	57	45	35	24	20	50		36
15	14	6	8	22	28	25	X		63
5	5	2	4	10	8	7			9
8	6	5							
		some frost-killed buds							
					3	1			2
					2	1			
1	9	4	5	5	6	4	17		15
1	9	4	5	5	6	4	16		14
5	9	5	6	7	4		21		2
4	9	4	6	7	4		17		2
5	5								
	3				total of 1, 1, 5, 5 stalks in plot				
					1	1	1		
255	191	97	85	95	90	63	125		158
250	186	97	85	95	86	61	124		156
7	7	7	6	6	8	7	6		8
6	6	7	6	6	6	5	5		7

8/10/2006 8/12/2006 8/14/2006 8/16/2006 8/18/2006 8/20/2006 8/22/2006 8/24/2006 8/26/2006

7	4	7	6	5	7	3	5	
7	3	7	6	5	7	2	4	
9	4	3	3		1			2
5	3	1	3		1			1
30	13	12	2	1	1	1		
19	11	8	2	1	1	1		
97	67	80	85	103	101	145	149	87
8	7	8	9	8	7	9	8	7
		1	1			2		
1								
21	6	15	11	14	24	30	31	8
18	6	15	11	14	23	29	29	6
26	3	13	17	16	7	11	9	3
18	3	9	15	13	5	10	7	2
191	97	131	125	139	141	192	194	100
190	97	130	124	139	141	190	194	100
7	6	7	7	5	6	6	4	4
6	6	6	6	5	6	5	4	4

I'm a little sceptical that Poa was flowering again - DWI 26 August 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 9/14/2006

2
2

2
1

122	128	89	66	36	46	46	44	22
6	7	5	5	4	5	5	4	3

24	15	18			5	4	6	2
20	14	18			5	4	6	2
5		1			2			
5		1			2			

153	145	108	66	36	53	50	50	24
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153	145	108	66	36	53	50	50	24
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4	3	3	1	1	3	2	2	2
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4	3	3	1	1	3	2	2	2
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9/16/2006 9/18/2006 9/20/2006

Length of flowering

	second flowering	
17		<i>Claytonia lanceolata</i>
9		<i>Mertensia fusiformis</i>
21		<i>Delphinium nuttallianum</i>
21	2	<i>Androsace septentrionalis</i>
	2	
13		<i>Arabis drummondii</i>
7		<i>Senecio integerrimus</i>
27	35	<i>Erigeron flagellaris</i>
		<i>Eriogonum umbellatum</i>
13		
69		<i>Potentilla hippiana</i>
59		<i>Arenaria conjesta</i>
		<i>Eriogonum subalpinum</i>
17		
80		<i>Heterotheca (Chrysopsis) villosa</i>
		2 <i>Poa pratensis</i>
7	9	
23		<i>Erigeron speciosus</i>
29		<i>Achnatherum (Stipa) lettermanii</i> -
60		<i>Polygonum douglasii</i>
53		<i>Polygonum aviculare</i>
7		<i>Koeleria macrantha</i>
5		<i>Poa species ??</i> - NE corner

0	0	0
0	0	0
0	0	0
0	0	0

maximum number of flowers	
maximum number of stalks or plants	
528	flowers
	329 genets
25	flowers
	4 genets
31	flowers
	14 inflorescences
2	flowers
	2 genets
8	flowers
	2 genets
8	capitulae
	2 inflorescences
53	capitulae
	26 inflorescences
24	inflorescences
18	flowers
	12 inflorescences
352	flowers
	219 inflorescences
6	inflorescences
149	capitulae
	10 patches
3	inflorescences
11	capitulae
	1 patches
5	inflorescences
	2 patches
31	flowers
	29 genets
26	flowers
18	genets
5	inflorescences
3	patches
1	inflorescences