

Rocky Meadow Plot #1 - 2006	last updated 6/23/08 dwi					
	4/28/2006	4/30/2006	5/2/06	5/4/06	5/6/06	5/8/06
<i>Claytonia lanceolata</i>	9 inches	11 inches	5.5 inches	25% bare	75% bare	9
<i>Mertensia fusiformis</i>	snow cover					6
<i>Lomatium dissectum</i>						snow gone
<i>Taraxacum officinale</i>						
<i>Viola praetorum</i>						
<i>Hydrophyllum capitatum</i>						
<i>Delphinium nuttallianum</i>						
<i>Androsace septentrionalis</i>						
<i>Arabis drummondii</i>						
<i>Lathyrus leucanthus</i>						
<i>Eriogonum umbellatum</i>						
<i>Arenaria conjesta</i>						
<i>Helianthella quinquenervis</i>						
<i>Poa pratensis</i>						
<i>Potentilla hippiana</i>						
<i>Heterotheca (Chrysopsis) villosa</i>						
<i>Achnatherum (Stipa) lettermanii</i> - needlegrass (long awns)						
<i>Polygonum douglasii</i>						
<i>Polygonum aviculare</i>						
<i>Chenopodium album</i>						
<i>Koeleria macrantha</i> - no obvious awn, inconspicuous anthers						
<i>Aster engelmannii</i>						
<i>Artemisia tridentata</i>						
Total Flowers	0	0	0	0	0	9

Total without grasses	0	0	0	0	0	9
# 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 gopher dun

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

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 =	22	without gra:
Maximum # of flowers on one day =	1440	
Maximum # of species in flower =	8	
Maximum H' = .		

Rocky Meadow plot #1.

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

5/10/06	5/12/2006	5/14/2006	5/16/2006	5/18/2006	5/20/2006	5/22/2006	5/24/2006	5/26/2006
58	335	870	1440	1100	810	362	146	32
40	230	577		estimated		326	138	32
				12	32	44	95	166
				2	3	9	13	17

1
1
3
2

58 335 870 1440 1112 842 406 241 202

58	335	870	1440	1112	842	406	241	202
1	1	1	1	2	2	2	2	4
1	1	1	1	2	2	2	2	4

nps; Patty Coffin did counts 6-10, 16 August; Elizabeth Ziegler did counts 14, 18-24 August and from 28
head north from the trailhead in Gothic. GPS coordinates below. See metadata file at www.rmbi.org for

temperature and light data from Hobo Pendant data logger
pendant data logger = 22 April 2007

sses
19
1440
7

Longitude
106.98659
106.98661
106.98659
106.98657

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

2								
2								
120	151	145	71	31	5	2	2	
16	19	22	17	14	3	1	1	
	4 plants, not flowering							
2	1	1	2	3				
1	1	1	1	2				
6	5	X	1					
2	2		1					
5	30	63	86	28	3			
2	6	8	9	6	2			
	2	9	27	44	69	68	48	41
	2	6	13	15	20	16	12	13
			2	1	2	4	3	3
			1	1	1	2	2	2
					1	2	2	1
					1	1	1	1
					15	10	12	10
					9	6	10	8

135

189

218

189

107

95

86

67

55

135	189	218	189	107	95	86	67	55
5	5	5	6	5	6	5	5	4
5	5	5	6	5	6	5	5	4

August to end

Inouye phenology project for additional details.

6/15/2006 6/17/2006 6/19/2006 6/21/2006 6/23/2006 6/25/2006 6/27/2006 6/29/2006 7/1/2006

34	19	12	4	1				
11	7	9	2	1				
2	4	1						
2	3	1						
11	10	3						
7	7	2						
1	2	8	8	12	14	8	7	6
			1	3	20	60	67	123
			1	3	19	44	49	69
						1	2	3
						1	1	1
							2	5
							2	1
							2	1

48 35 24 13 16 34 69 80 138

48	35	24	13	16	34	69	78	133
4	4	4	3	3	2	3	5	5
4	4	4	3	3	2	3	4	4

7/3/2006 7/5/2006 7/7/2006 7/9/2006 7/11/2006 7/13/2006 7/15/2006 7/17/2006 7/19/2006

4	3							
213	241	333	179	216	131	149	188	146
110	128	172	106	136	138	95	110	90
3	4	4	5	4	4	4	4	3
1	2	2	2	2	3	3	3	2
5	12	5			3		total of 23 stalks in plot	
6	4	6	11	8	16	15	26	24
5	3	6	8	6	12	13	20	17
		2	7	13	21	1+4+5+?	31	52
		2	4	6	6	forgot 3	6	9
							2	2
							6	17
							6	16
							1	
							1	
							1	
								7
								3
231	264	350	202	241	175	168	259	251

226	252	345	202	241	172	168	257	242
5	5	5	5	5	5	4	8	7
4	4	4	5	5	4	4	7	5

7/21/2006 7/23/2006 7/25/2006 7/27/2006 7/29/2006 7/31/2006 8/2/2006 8/4/2006 8/6/2006

1
1

1 1 flowers on old stalk
1 1

79	53	49	33	9	4	7	3	2
45	37	35	26	8	3	6	3	2
3	3	3						
2	2	2						

t

16	11	13	7	14	2	7	1	
12	7	12	5	9	2	5	1	
63	30	85	71	64	49	72	67	78
9	5	10	7	6	6	10	8	7

2

2 total of 2 stalks in plot

18	6	36	20	33	14	27	14	9
18	6	36	18	30	13	27	14	7
2	4			1	4	2		3
2	4			1	4	2		2

total of 2 stalks in plot

9 19 23 6 total of 3+9+15 stalks in plot
2 4 5

1
1

192	126	210	137	122	74	115	85	93
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181	107	187	131	122	74	115	85	93
8	7	7	6	6	6	5	4	5
6	6	6	4	6	6	5	4	5

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

4	6	6	7	6	4	2	2	3
3	3	2	2	1	1	1	1	1
70	54	21	22	37	37	48	43	38
8	9	7	7	9	7	7	8	9
38	96	35	44	48	65	104	75	131
36	81	32	39	46	58	92	71	125
	2	12	16	18	11	10	9	22
	2	9	11	12	7	7	7	15
3	2							
1	2	3	7	4	5	13	23	22
1	2	3	7	4		8	11	15
		5	7	6	7	7	8	5
116	162	82	103	119	129	184	160	221

113	160	82	103	119	129	184	160	221
5	6	6	6	6	6	6	6	6
4	5	6	6	6	6	6	6	6

61	106	101	80	31	15	55	52	58
6	5	6	6	6	5	5	3	3
6	5	6	6	6	5	5	3	3

9/14/2006 9/16/2006 9/18/2006 9/20/2006 10/9/2006

Length of flowering

second flowering

					21	<i>Claytonia l.</i>
					25	<i>Mertensia f.</i>
						<i>Lomatium c.</i>
					11	<i>Taraxacum</i>
					9	<i>Viola praet.</i>
					11	<i>Hydrophyll.</i>
					25	<i>Delphinium</i>
3				1	17	2 + 16 + 2 <i>Androsace</i>
1				1	7	3 <i>Arabis drur.</i>
					13	<i>Lathyrus le.</i>
						<i>Eriogonum</i>
					21	
					79	<i>Arenaria cc.</i>
					29	<i>Helianthell.</i>
						<i>Poa praten</i>
					9	2
					37	<i>Potentilla h.</i>
					59	<i>Heterothec.</i>
						<i>Achnatheru.</i>
					5	
38	10	3	3		66	<i>Polygonum</i>
36	10	3	3		57	<i>Polygonum</i>
						<i>Chenopodi.</i>
					2+	
					9	3 <i>Koelaria m.</i>
					33	<i>Aster enge.</i>
						<i>Artemisia ti.</i>
					15	
41	10	3	3	1		

41	10	3	3	1
2	1	1	1	1
2	1	1	1	1

	maximum number of flowers	maximum number of stalks or plants
<i>anceolata</i>	1440	flowers
<i>cusiformis</i>	166	577 genets flowers 22 genets
<i>dissectum</i>		
<i>officinale</i>	3	capitulae 2 genets
<i>orum</i>	6	flowers 2 genets
<i>um capitatum</i>	86	flowers 9 genets
<i>nuttallianum</i>	69	flowers 20 inflorescences
<i>septentrionalis</i>	4	flowers 3 genets
<i>nmondii</i>	2	flowers 1 genets
<i>ucanthus</i>	15	flowers 10 clusters of flowers
<i>umbellatum</i>		
<i>onjesta</i>	14 333	inflorescences flowers 172 inflorescences
<i>a quinquenervis</i>	5	capitulae 3 inflorescences
<i>sis</i>	12	inflorescences
<i>ippiana</i>	26	flowers 20 inflorescences
<i>a (Chrysopsis) villosa</i>	85	capitulae 10 patches
<i>um (Stipa) lettermanii</i>	2	inflorescences 2 patches
<i>douglasii</i>	131	flowers 125 genets
<i>aviculare</i>	22	flowers 15 genets
<i>um album</i>		
<i>1</i>	1	genets
<i>acrantha - no obvious :</i>	23	inflorescences 5 patches
<i>lmanii</i>	23	capitulae 15 genets
<i>ridentata</i>		
	8	inflorescences