

Rocky Meadow Plot #3 - 2006

last updated 6/23/08 dwi

	4/28/06	5/2/06	5/4/06	5/6/06	5/8/2006	5/10/2006
<i>Claytonia lanceolata</i>	22 inches of snow			3 inches		6
	15 inches	9 inches	70% snow	snow gone		6

Carex geyeri male
 female
 both

Mertensia fusiformis

Viola praetorum

Androsace septentrionalis

Delphinium nuttallianum

Hydrophyllum capitatum

Galium bifolium

Arabis drummondii

Taraxacum officinale

Lathyrus leucanthus

Potentilla pulcherrima x *P. hippiana*

Amelanchier pumila

Bromelica (Melica) spectabilis

Ligusticum porteri

Poa pratensis

Arenaria conjesta

Erigeron speciosus

Ceratochloa (Bromus) carinata
smooth brome

Rosa woodsii

Heterotheca (Chrysopsis) villosa

Achnatherum (Stipa) lettermanii - needlegrass (long awns)

Calochortus gunnisonii

Koeleria macrantha, southwest corner

Polygonum douglasii

Polygonum aviculare

Chenopodium album

Total Flowers	0	0	0	0	0	7
Total without grasses	0	0	0	0	0	7
# 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 go

This plot is located in the first meadow that Trail 401 crosses as you
permanent snow cover began about 12 November 2006, based on t
snowmelt date based on temperature and light data from Hobo Pen

Total number of species flowering =	26	without gra
Maximum # of flowers on one day =	#REF!	
Maximum # of species in flower =	8	
Maximum H' =	.	

Rocky Meadow plot #3

Point #	Plot name	Corner (con	Altitude (feet)	Altitude (meters)	Latitude
219	Rocky Mea	Southwest	9744.735	2970.2	38.962226
220	Rocky Mea	Southeast	9744.106	2970	38.962242
221	Rocky Mea	Northeast	9744.38	2970.09	38.962251
222	Rocky Mea	Northwest	9745.15	2970.32	38.962234

145	688	1359	1081	1118	763	479	323	270
145	688	1359	1081	1118	763	479	323	270
1	2	2	2	3	3	4	5	6
1	2	2	2	3	3	4	5	6

her dumps; Patty Coffin did counts 6-10, 16 August; Elizabeth Ziegler did counts 14, 18-24 August and

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

temperature and light data from Hobo Pendant data logger
 pendant data logger = 29 April 2007

sses
21
1359
7

Longitude
106.98683
106.98682
106.98684
106.98685

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
3								
3								

89	48	25	13					
14	12	6	4					
11	1	1						
8	1	1						
86	82	94	67	59	76	126	67	51
8	12	17	13	14	20	24	17	12
5	31	63	96	206	145	133	155	111
4	19	28	38	59	47	42	47	42
6	14	21	10	5				
2	2	2	2	2				
X	X	1						
		about 19 plants done						
			4	10	9	4	1	
			3	6	6	4	1	
			1					
			1					
			3	12	17	17	19	12
			3	7	9	8	11	9

leaves, no buds

207	182	211	201	297	251	284	246	177
207	182	211	201	297	251	284	246	177
7	6	6	7	5	4	4	4	3
7	6	6	7	5	4	4	4	3

d from 28 August to end

for Inouye phenology project for additional details.

134	38	27	22	5	4	9	15	18
134	38	17	11	5	4	4	4	6
4	3	3	4	1	1	2	5	5
4	3	2	3	1	1	1	3	4

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

on old stalk 3
1

good fruit s

6	11	total of 82 inflorescences in plot						
6	11	8	16	11	24	24	19	15
4	6	4	9	7	10	12	8	6
4	6	9	14	11	11	6	3	3
2	3	3	7	6	9	5	3	3

2	2	4	11	12	18	23	25
1	1	1	1	1	1	1	1
			23	40	37	20	7
			6	9	6	7	2
				1	2	1	
				1	1	1	
					24	6	27
					total 61 inflorescences in plot		

1
1

16	30	19	34	56	88	111	72	81
10	19	19	34	33	48	50	46	47
3	4	3	3	4	5	6	6	7
2	3	3	3	3	4	4	4	5

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

7	9	12	11	8	8	5	9	9
2	3	3	2	2	2	2	4	2

3	2	2	1	1	2			
2	2	2	1	1	1			

Rosa stalk is 19" tall

Rosa stalk browsed

et

1								
23	18	11	2	2	1		1	
10	9	6	2	2	1		1	
2	1	1	most buds were killed by frost				1	2
2	1	1					1	1

29	31	29	46	56	45	43	46	31
1	1	1	1	1	1	1	1	1
					23	15	16	
					7	4	4	

4	6							
	2							

1	10	13	21	3	16	2	50	27
1	10	12	19	3	13	2	47	24
	5		7	1	1	1	14	2
	5		4	1	1	1	11	2
								6
								1
70	82	68	88	71	96	66	137	84
65	76	68	88	71	73	51	121	77
8	8	6	6	6	7	5	7	7
6	7	6	6	6	6	4	6	6

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

3	2	2	1	1				1
1	2	2	1	1				1

			1	X		2	3	1	1
			1			1	1	1	1

2	1		2	2	1	1
1	1		1	1	1	1

3

34	18	20	22	21	25	27	26	14
1	1	1	1	1	1	1	1	1
		9	2	8		4	2	
			2	4		1	1	

66	21	35	26	32	28	43	71	25
60	19	31	24	31	27	38	65	21
10	5	11	15	13	4	11	9	1
7	3	10	12	11	4	10	9	1
6								

1 seems a little unlikely that there were flowers open - DWI 26 August 2006

#REF!	47	77	69	77	60	89	110	41
121	47	68	67	69	60	85	108	41
7	5	5	7	7	5	6	6	4
6	5	4	6	6	5	5	5	4

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

1	1	1	2	1	1
1	1	1	1	1	1

1	1
1	1

1	1	1	1
1	1	1	1

22	11	10	6	5	6	7	5	2
					1	1	1	1

32	45	16	3	7	22	28	29	19
30	40	16	3	7	21	23	22	14
5	5					1		
5	4					1		

total of 5 stalks

61	63	27	12	14	31	38	35	22
61	63	27	12	14	30	37	34	21
5	5	3	4	4	5	5	3	3
5	5	3	4	4	4	4	2	2

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

Length of flowering

		second flowering
21		<i>Claytonia lanceolata</i>
		<i>Carex geyeri</i>
13		
17		<i>Mertensia fusiformis</i>
11		<i>Viola praetorum</i>
25	47	<i>Androsace septentrionalis</i>
27		<i>Delphinium nuttallianum</i>
11		<i>Hydrophyllum capitatum</i>
5+		<i>Galium bifolium</i>
9	13	<i>Arabis drummondii</i>
	15	
2		<i>Taraxacum officinale</i>
13		<i>Lathyrus leucanthus</i>
9		<i>Potentilla hippiana</i>
		<i>Amelanchier pumila</i>
		<i>Bromelica (Melica) spectabilis</i>
3		
		<i>Ligusticum porteri</i>
11		
		<i>Poa pratensis</i>
9	2	
37		<i>Arenaria conjesta</i>
53	7	<i>Erigeron speciosus</i>
		<i>Ceratochloa (Bromus) carinata</i>
2	2	smooth brome
2		<i>Rosa woodsii</i>
70		<i>Heterotheca (Chrysopsis) villosa</i>
9	25	<i>Achnatherum (Stipa) lettermanii</i>
	8	
5		<i>Calochortus gunnisonii</i>
9		<i>Koeleria macrantha</i> , southwest ca

56 *Polygonum douglasii*

47 *Polygonum aviculare*

3 *Chenopodium album*

0 0 0

0 0 0

0 0 0

0 0 0

maximum number of flowers
maximum number of stalks or plants

1350	flowers
	386 genets
6	inflorescences
19	inflorescences
6	inflorescences
105	flowers
	15 genets
20	flowers
	9 genets
126	flowers
	24 genets
206	flowers
	59 inflorescences
21	flowers
	2 inflorescences
1	genets
10	flowers
	6 inflorescences
1	capitulae
	1 genets
19	flowers
	11 clusters of flowers
7	flowers
	6 inflorescences

11 inflorescences

3

12 inflorescences

24

12

14

9

3 inflorescences

2

flowers

2 branches

56

capitulae

1 patches

40

inflorescences

9 patches

2

flowers

1 genets

27

inflorescences

2 patches

71	flowers
65	genets
15	flowers
12	genets
6	flowers
	1 genets