

Rocky Meadow Plot #2 - 2005

last updated 6/11/08 dwi

	5/10/05	5/14/05	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
<i>Claytonia lanceolata</i>	5x5 cm bare over Art		6	36	175	254	211	94	68	8	6
	40% bare		6	21	97	141	131	82	57	8	6
<i>Carex geyeri</i>	male							4	8		
	female				2	14	5				
	both						11	11	3		
<i>Mertensia fusiformis</i>							1	9	65	66	84
							1	4	15	14	15

Viola praemorsa

Paxistima myrsinites

Androsace septentrionalis

Delphinium nuttallianum

Eriogonum umbellatum

Vicia americana

Arenaria congesta

Eriogonum subalpinum

Poa pratensis

Potentilla hippiana

Sedum lanceolatum

Erigeron speciosus

Koeleria macrantha - no obvious awn, inconspicuous anthers, middle of south side of plot

Achnatherum (Stipa) lettermanii - needlegrass (long awns)

Heterotheca (Chrysopsis) villosa

Elymus longifolius - squirreltail grass, northwest corner of plot

Festuca thurberi - bunch grass

Calochortus gunnisoni

Artemisia tridentata

Total Flowers	0	0	6	36	177	268	228	118	144	74	90
Total flowers without grasses	0	0	6	36	177	268	228	118	144	74	90
# species in flower	0	0	1	1	2	2	3	3	3	2	2
# species in flower without grasses	0	0	1	1	2	2	3	3	3	2	2

Notes: Krehe and Kathy Ritter did counts until 1 June; no gopher dumps; Mahonia leaves present, but no flowers this year

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

	without grasses
Total number of species flowering	22 17
Maximum # of flowers on one day	427 425
Maximum # of species in flower	8 5
Maximum H' = .	

Rocky Meadow plot #2 (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
212	Rocky Mea	Southwest	9731.867	2966.27	38.961961	106.98688
213	Rocky Mea	Northwest	9732.662	2966.52	38.961972	106.9869
215	Rocky Mea	Northeast	9734.362	2967.03	38.961984	106.98688

snowing	6/3/05	6/5/05	6/7/05	6/9/05	6/11/05	6/13/05	6/15/05	6/17/05	6/19/05	6/21/05	6/23/05	6/25/05	6/27/05	6/29/05
	74	63	55	31	25	21	7	2						
	14	14	12	10	8	6	3	2						
	2	2	2											
	2	2	2											
		1	4	3	3	3	3	3						
			7	6	4	X	X	3	2	2	3	3	3	2
			1	1	1			1	1	1	1	1	1	1
			6	31	22	40	140	228	282	219	211	94	67	15
			6	23	15	30	71	115	120	107	102	69	51	14
												1	4	6

11 new galls on plant in SW corner

76	66	74	71	54	64	150	236	284	221	214	98	74	23
76	66	74	71	54	64	150	236	284	221	214	98	74	23
2	3	5	4	4	3	3	4	2	2	2	2	2	2
2	3	5	4	4	3	3	4	2	2	2	3	3	3

; no Viola or Polygonum flowering; Emily Morris did counts on 21 and 23 August, and Rebecca Hewitt remaining counts

ates below. See metadata file at www.rnbl.org for Inouye phenology project for additional details.

7/1/05 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

3	5												
1	1												
8													
7													
15	28	33	29	13	3	3	5	X	1	1			
	10	6	6	2									
	3	4	4	1									
	3	40	89	135	118	236	380	75	22	14	14	4	15
	3	36	69	106	77	91	199	38	19	13	13	3	13
		4	X	5	5	5	5	4	1		4		
			2	2									
				1			1						
				1			1						
						1	8	8	9	9	2	6	1
						1	3	4	3	3	2	3	1
						7	23	25	49	45	35	34	32
						3	5	4	5	5	5	5	4
							3	8	8		9		
								2	2		2		
							2	X	7 done				
								9	12	11	15	X	30
								5	5	4	3		4
										total of 9 stalks in plot			
								4	4	4		2	
									1				
									1	total of 1 stalk in plot			

26	46	83	126	158	126	252	427	133	107	84	79	46	78
26	46	83	124	156	126	252	425	129	102	80	79	44	78
2	3	3	3	5	2	4	7	7	8	5	6	4	4
3	4	3	3	4	2	4	5	4	5	5	4	3	4

7/31/05 Patty and Emily did counts through 8/15
 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 Emily did counts 8/23-25
 8/23/05 8/25/05 8/27/05

20	1	3	1	4	3		4	4	4			
13	1	2	1	3	3		3	2	2			

total of 2 stalks in plot

										1		
										1		
1												
1												
10	1											
4	1											

total of 11 stalks in plot

total of $1*2+2*2+3*2+4$ stalks in plot

22	18	13	8	10	6	5	2	4	2	1	4	3	4
6	5	3	3	4	5	4	1	4	2	1	2	2	2

Heterotheca shedding seeds

								1	7	43	80	91	128
								1	2	3	4	4	6
53	20	16	9	14	9	5	6	9	13	45	84	94	132
53	20	16	9	14	9	5	6	9	13	45	84	94	132
4	3	2	2	2	2	1	2	3	3	3	2	2	2
4	3	2	2	2	2	1	2	3	3	3	2	2	2

8/29/05 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

4 2
2 1

78	61	47	40	14	3	1	1	1					
6	5	4	4	3	2	1	1	1					
82	63	47	40	14	3	1	1	1	0	0	0	0	0
82	63	47	40	14	3	1	1	1	0	0	0	0	0
2	2	1	1	1	1	1	1	1	0	0	0	0	0
2	2	1	1	1	1	1	1	1	0	0	0	0	0

9/28/05	9/30/05	Length of flowering	Maximum number	
		second flowering		
		17	254	flowers 141 genets
		3	8	inflorescences
		5	14	inflorescences
		5	11	inflorescences
		25	84	flowers 15 genets
		5	2	flowers 2 genets
		13	4	flowers
		27	7	flowers 1 genets
		25	282	flowers 120 genets
				<i>Eriogonum umbellatum</i>
		29	33	inflorescences
		8	10	flowers 4 clusters of flowers
		48	380	flowers 199 genets
				<i>Eriogonum subalpinum</i>
		20	5	inflorescences
				<i>Poa pratensis</i>
		3	2	inflorescences
		8	1	flowers 1 clusters of flowers
				<i>Potentilla hippiana</i>
		18	9	flowers
				<i>Sedum lanceolatum</i>
		20	49	4 genets capitula 5 genets
				<i>Erigeron speciosus</i>
		9	9	inflorescences 2 clumps(genets)
				<i>Koeleria macrantha</i> - no obvious
		2	2	inflorescences
				<i>Achnatherum (Stipa) lettermanii</i>
		44	30	capitula 6 genets
				<i>Heterotheca (Chrysopsis) villosa</i>
		9	4	inflorescences
		2	1	inflorescences
			1	inflorescences
				<i>Elymus longifolius</i> - squirreltail grass, northwest corner of plot
				<i>Festuca thurberi</i> - bunch grass

		<i>Calochortus gunnisoni</i>	1	flowers
	2			inflorescences
	31	<i>Artemisia tridentata</i>	128	6 genets

0	0
0	0
0	0
0	0