

Rocky Meadow Plot #3 - 2005

last updated 6/11/08 dwi

snowing

	5/10/05	5/16/05	5/20/05	5/22/05	5/24/05	5/26/05	5/28/05	5/30/05	6/1/05	6/3/05	6/5/05
<i>Claytonia lanceolata</i>	snow covered		28 cm snow		133	577	915	710	505	261	433
		snow covered		5% bare	87	320			372	186	268
<i>Carex geyeri</i> male					snow gone					7	1
female							8	14	11	1	2
both									1	1	2
<i>Mertensia fusiformis</i>										2	6
										1	4

Viola praemorsa

Delphinium nuttallianum

Hydrophyllum capitatum

Galium bifolium

Androsace septentrionalis

Lathyrus leucanthus

Amelanchier pumila

Vicia americana

Potentilla hippiana

Bromelica (Melica) spectabilis

Poa pratensis

Achnatherum (Stipa) lettermanii - needlegrass (long awns)

Erigeron speciosus

Ceratochloa (Bromus) carinata

smooth brome

Heterotheca (Chrysopsis) villosa

Koeleria macrantha, southwest corner

Arenaria conjesta

Calochortus gunnisonii

Polygonum aviculare

Helianthella quinquenervis

Polygonum douglasii

Chenopodium album

Total Flowers	0	0	0	0	133	577	923	724	517	272	444
Total flowers without grasses	0	0	0	0	133	577	923	724	517	272	444
# species in flower	0	0	0	0	1	1	2	2	2	3	3
# species in flower without grass	0	0	0	0	1	1	2	2	2	3	3

Notes: Krehe and Kathy Ritter did counts until 1 June; 2% winter gopher dumps; Emily Morris did counts on 21 and 23 Aug

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

		without grasses
Total number of species flowering	24	19
Maximum # of flowers on one day	923	923
Maximum # of species in flower =	6	6
Maximum H' =	.	.

Rocky Meadow plot #3

Point #	Plot name	Corner (corner)	Altitude (feet)	Altitude (meters)	Latitude	Longitude
219	Rocky Mea	Southwest	9744.735	2970.2	38.962226	106.98683
220	Rocky Mea	Southeast	9744.106	2970	38.962242	106.98682
221	Rocky Mea	Northeast	9744.38	2970.09	38.962251	106.98684
222	Rocky Mea	Northwest	9745.15	2970.32	38.962234	106.98685

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	7/1/05	7/3/05
280	113	24	2	13	2								
240	99	23	2	13	2								
1													
52	76	48	46	62	52	35	12	5					
9	10	9	9	10	9	9	6	3					
	2	2	1	2									
	2	2	1	2									
				9	9	71	125	180	149	156	130	100	81
				2	7	34	48	50	46	45	44	41	39
					10	22	25	16					
					2	3	3	2					
							4	8				1	1
							4	5				1	1
								2				2	1
								1	2			1	1
								2	4	3	6	12	20
								2	2	2	4	7	11
									1	5	4	4	
									1	1	1	1	

333	191	74	49	86	73	128	166	213	156	164	140	119	103
333	191	74	49	86	73	128	166	213	156	164	140	119	103
3	3	3	3	4	4	3	4	6	4	3	3	5	4
3	3	3	3	4	4	3	4	6	4	3	3	5	4

gust, and Rebecca Hewitt remaining counts

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

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 7/31/05 8/2/05

15 X? 1 one plant (in SW corner) is lavender colored
 11 1

total of about 13 stalks in plot

6 7 3
 6 5 1

4 8 9 3 2
 2 4 4 2 1
 1
 1
 4 2

total of 5 stalks in plot

total of 21 stalks in plot

8 13 15 X 2
 7 16 29 14 rain 9 1
 2 5 5 4
 15 40 121 200 265 352 349 379 230
 2 8 11 16 12 12 11 13 12

total of 13 stalks in plot

1 X
 1 5 6 2 10 16 10 10
 1 1 1 1
 3 rain X 26 6
 2
 1 2 4 1
 1 1 1 1

2
2

1
1

1
1

4 aborted (

25	15	18	5	8	38	72	155	225	268	375	397	397	240
25	15	14	3	0	17	41	126	206	268	366	370	391	240
3	2	5	2	1	5	4	3	5	3	5	6	5	2
3	2	4	1	0	2	2	2	2	3	4	4	4	2

Patty and Emily did counts through 8/15

Emily did counts 8/23-25

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 8/23/05 8/25/05 8/27/05 8/29/05 8/31/05

total of 3+4+5+7+8+10*2+12+13 stalks in plot

5 1 1
2 1 1

33 81 33 78 13 8
4 6 6 8 6 3

10 6 14 14 16 18 32 22 24 21 32 40 30 27

might have missed flowers outside string but with roots inside

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 9/28/05 9/30/05

14 16 10 12 8 7 3

1
1

2
1

1
1

1
1

total of about 5 stalks

2
2

3
2

2
1

2
1

total of about 20 stalks

16

20

12

14

10

7

3

0

1

1

0

0

0

0

16

20

12

14

10

7

3

0

1

1

0

0

0

0

2

3

2

2

2

1

1

0

1

1

0

0

0

0

2

3

2

2

2

1

1

0

1

1

0

0

0

0

Length of flowering			Maximum number	
	second flowering			
25	<i>Claytonia lanceolata</i>		915	flowers 372 genets
3	<i>Carex geyeri</i>	male	7	inflorescences
11		female	14	inflorescences
5		both	2	inflorescences
21	<i>Mertensia fusiformis</i>		76	flowers 10 genets
7	<i>Viola praemorsa</i>		2	flowers 2 genets
26	<i>Delphinium nuttallianum</i>		180	flowers 50 genets
7	<i>Hydrophyllum capitatum</i>		25	flowers 3 genets
13	<i>Galium bifolium</i>		8	flowers 5 genets
11	<i>Androsace septentrionalis</i>		2	flowers 1 genets
18	<i>Lathyrus leucanthus</i>		20	flowers 11 clusters of flowers
7	<i>Amelanchier pumila</i>		5	flowers 1 genets
12	<i>Vicia americana</i>		9	flowers 4 clusters of flowers
2	<i>Potentilla hippiana</i>		1	flowers 1 clusters of flowers
3	<i>Bromelica (Melica) spectabilis</i>		4	inflorescences
	<i>Poa pratensis</i>			
10			15	inflorescences
13	5 <i>Achnatherum (Stipa) lettermanii</i>		29	inflorescences 5 clumps(genets)
30	<i>Erigeron speciosus</i>		379	capitula 16 genets
	<i>Ceratochloa (Bromus) carinata</i>			
2			1	inflorescences
60	<i>Heterotheca (Chrysopsis) villosa</i>		40	capitula 1 genets
9	<i>Koeleria macrantha, southwest c</i>		26	inflorescences 2 clumps(genets)
7	<i>Arenaria conjesta</i>		4	flowers 1 genets

	3	<i>Calochortus gunnisonii</i>	2	flowers
in plot	54	<i>Polygonum aviculare</i>	24	2 genets inflorescences
	5	<i>Helianthella quinquenervis</i>	1	18 genets capitula
s in plot	37	<i>Polygonum douglasii</i>	32	inflorescences 26 genets
		<i>Chenopodium album</i>		