

Rocky Meadow Plot #7 - 2005

last updated 6/11/08 dwi

	4/18/05	4/25/05	5/4/05	5/5/05	5/10/05	5/12/05	5/14/05	5/16/05	5/18/05	5/20/05
<i>Claytonia lanceolata</i>	43 cm snow		0 - 17 cm snow		90% bare	98% bare	bare	2	8	4
<i>Mertensia fusiformis</i>		7-14 cm snow		0-10 cm snow				2	5	3
<i>Viola praemorsa</i>										

saw first Claytonia flowers nearby

Androsace septentrionalis

plant is just outside south edge of plot

Lomatium dissectum

Hydrophyllum capitatum

Taraxacum officinale

Delphinium nuttallianum

Arabis drummondii

Amelanchier pumila

Lathyrus leucanthus

Eriogonum umbellatum

Potentilla hippiana

Poa pratensis

Heterotheca (Chrysopsis) villosa

Erigeron speciosus

Achnatherum (Stipa) lettermanii - needlegrass (long awns)

Calochortus gunnisonii

Erigeron elatior

Senecio serra

between water plant and fence

Polygonum douglasii

Polygonum aviculare

Total Flowers	0	0	0	0	0	0	0	2	8	4
Total flowers without grasses	0	0	0	0	0	0	0	2	8	4
# species in flower	0	0	0	0	0	0	0	1	1	1
# species in flower without grasses	0	0	0	0	0	0	0	1	1	1

Notes: Krehe and Kathy Ritter checked plots until 1 June; no gopher dumps; Emily Morris did counts on 21 and 23 August, and

This 2x2-m plot is located just above (i.e. north of) the old Copper Lake road, just uphill from the Ehrlich cabin. GPS coordinate

		without grasses
Total number of species flowering =	20	18
Maximum # of flowers on one day =	192	192
Maximum # of species in flower =	7	7
Maximum H' =	.	.

Rocky Meadow plot #7 (only 3 corners marked with steel stakes; one doesn't have enough soil to hold a stake). Jus

Point #	Plot name	Corner (corner)	Altitude (feet)	Altitude (meters)	Latitude	Longitude
205	Rocky Meadow 7	Southwest	9604.516	2927.46	38.960076	106.98564
206	Rocky Meadow 7	Northwest	9605.62	2927.79	38.960092	106.98565
207	Rocky Meadow 7	Southeast	9604.938	2927.59	38.960082	106.98562

18	48	59	50	62	71	64	78	35	21	16	16	15	17
18	48	59	50	62	71	64	78	35	21	16	16	15	17
1	1	2	5	7	7	7	7	5	5	5	5	7	6
1	1	2	5	7	7	7	7	5	5	5	5	7	6

| Rebecca Hewitt remaining counts

is below. See metadata file at www.rmbi.org for Inouye phenology project for additional details.

t above the Copper Creek trail, close to the Ehrlich cabin.

6/19/05 6/21/05 6/23/05 6/25/05 6/27/05 6/29/05 7/1/05 7/3/05 7/6/05 7/8/05 7/10/05 7/12/05 7/14/05 7/17/05

22 29 29 27 22 20 X 14 6 6 2
 1 1 1 1 1 1 1 1 1 1 1

Erysimum asperum flowering just outside

seed

5	3	2	1											
1	1	1	1											
1	1	1	1											
1	1	1	1											
1	4	5	5											
1	1	1	1											
14	17	18	12	7	8	4		1						
10	12	12	9	4	6	3		1						
	1	1	6	6	7	11	14	16	15	13	1	1		
	1	1	3	3	3	4	4	5		3				
					1		3				1			1
					1		3				1			1
									X?	31	32	9		
														2
														2

6 stalks ea

21	26	27	25	13	16	15	17	17	15	44	34	10	3
21	26	27	25	13	16	15	17	17	15	13	2	1	3
5	6	6	6	3	4	2	3	3	2	3	3	2	2
5	6	6	6	3	4	2	3	3	2	2	2	1	2

Patty and Emily did counts through 8/15

7/19/05 7/21/05 7/23/05 7/25/05 7/27/05 7/29/05 7/31/05 8/2/05 8/5/05 8/7/05 8/9/05 8/11/05 8/13/05 8/15/05

2
1

total of 104 stalks in plot

11	36	27	39	52	66	103	121	180	174	96	115	108	135
2	7	7	6	10	8	15	14	11	13	10	14	12	13
2	10	18	21	23	23	26	20	12	11	9	10	3	3
1	1	1	1	2	2	2	2	2	1	1	1	1	1

1

total of one in plot

ten 1 1 eaten (probably by deer)

1 1

started flowering by water treatment plant

6	X	20	29	29	35	43	46	12	18	17	9	9
					1	1	4	4	4	4	3	3
					1	1	1	1	1	1	1	1

might have missed earlier

13	48	46	60	75	89	129	141	192	185	105	125	111	138
13	47	46	60	75	89	129	141	192	185	105	125	111	138
2	4	3	2	2	2	3	3	4	3	3	3	3	3
2	3	3	2	2	2	3	3	4	3	3	3	3	3

Emily did counts 8/23-25

8/17/05 8/19/05 8/21/05 8/23/05 8/25/05 8/27/05 8/29/05 8/31/05 9/4/05 9/6/05 9/8/05 9/10/05 9/12/05 9/14/05

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

130 87 131 91 88 101 79 76 50 67 60 53 32 54
 7 10 13 10 11 14 15 14 9 12 11 11 7 9

4
 4 3 4 3 2 2 1 1
 1 1 1 1 1 1 1 1
 4 1 1 1 1 3 1 1 1 1

1	1					1		1					1
				4		5	4	1					
				4		3	4	1					
134	88	132	92	93	104	85	80	52	67	60	53	32	55
134	88	132	92	93	104	85	80	52	67	60	53	32	55
3	3	4	4	5	4	5	4	4	1	1	1	1	2
3	3	4	4	5	4	5	4	4	1	1	1	1	2

9/16/05	9/18/05	9/20/05	9/22/05	9/24/05	9/26/05	9/28/05	9/30/05	Length of flowering	second flowering
								5	<i>Claytonia lanceolata</i>
								25	<i>Mertensia fusiformis</i>
								11	<i>Viola praemorsa</i>
								44	2 + 15 <i>Androsace septentrionalis</i>
									<i>Lomatium dissectum</i>
								21	
								11	<i>Hydrophyllum capitatum</i>
								7	<i>Taraxacum officinale</i>
								27	<i>Delphinium nuttallianum</i>
								17	<i>Arabis drummondii</i>
								11	<i>Amelanchier pumila</i>
								22	<i>Lathyrus leucanthus</i>
								24	<i>Eriogonum umbellatum</i>
								19	<i>Potentilla hippiana</i>
									<i>Poa pratensis</i>
								5	
16	12	15	11	8	8			72	<i>Heterotheca (Chrysopsis) villosa</i>
5	5	5	4	3	3				
								28	<i>Erigeron speciosus</i>
								2	<i>Achnatherum (Stipa) lettermanii</i>
								3	<i>Calochortus gunnisonii</i>
									<i>Erigeron elatior</i>
								28	
								32	<i>Senecio serra</i>
								2	2 <i>Polygonum douglasii</i>

1

11

Polygonum aviculare

16	12	15	11	8	8	1	0
16	12	15	11	8	8	1	0
1	1	1	1	1	1	1	0
1	1	1	1	1	1	1	0

Maximum number

8	flowers
	5 genets
69	flowers
	11 genets
4	flowers
	1 genets
44	flowers
	1 genets
	2 genets
16	flowers
	3 genets
2	capitula
	2 genets
8	flowers
	3 genets
2	flowers
	1 genets
5	flowers
	1 genets
18	flowers
	12 clusters of flowers
16	inflorescences
	5 genets
3	flowers
	3 clusters of flowers
32	inflorescences
180	capitula
	15 genets
26	capitula
	2 genets
1	inflorescences
	flowers
	1 genets
46	capitula
4	capitula
	1 genets
4	inflorescences

5

1 genets
inflorescences
4 genets