

Rocky Meadow Plot #4 - 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
<i>Claytonia lanceolata</i>	snow covered		5% bare	11	333	674	712	310	294	163
		snow covered		9	209	344		estimate	217	126
<i>Erythronium grandiflorum</i>				snow gone			1	1	3	3
							1	1	3	3

*Mertensia fusiformis*

*Androsace septentrionalis*

*Hydrophyllum capitatum*

*Delphinium nuttallianum*

*Lathyrus leucanthus*

*Gayophytum ramosissimum*

*Galium bifolium*

*Viola adunca*

outside plot

stream still

*Potentilla hippiana*

*Arenaria conjesta*

*Poa pratensis*

*Helianthella quinquenervis*

*Erigeron speciosus*

*Elymus (Agropyron) trachycaulus* - wild rye

*Festuca pratensis* (?)

grass, reddish node, inflorescence tighter than Poa, larger glumes; like RM6

*Achnatherum (Stipa) lettermanii* - needlegrass (long awns)

*Polygonum douglasii*

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

*Polygonum aviculare*

*Calochortus gunnisoni*

*Heterotheca (Chrysopsis) villosa*

Total Flowers	0	0	0	11	333	674	713	311	297	166
Total flowers without grasses	0	0	0	11	333	674	713	311	297	166
# species flowering	0	0	0	1	1	1	2	2	2	2
# species flowering without grasses	0	0	0	1	1	1	2	2	2	2

Notes: Krehe and Kathy Ritter did counts until 1 June; 3% winter gopher dumps; Emily Morris did counts on 21 and 23 /

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

		without grasses
Total number of species flowering =	22	17
Maximum # of flowers on one day =	713	713
Maximum # of species in flower =	8	7
Maximum H' = .		

Rocky Meadow plot #4

Point #	Plot name	Corner (com	Altitude (feet)	Altitude (meters)	Latitude	Longitude
227	Rocky Mead	Southeast	9740.397	2968.87	38.962257	106.98703
228	Rocky Mead	Southwest	9738.723	2968.36	38.962262	106.98705
229	Rocky Mead	Northwest	9739.74	2968.67	38.96228	106.98704
230	Rocky Mead	Northeast	9741.138	2969.1	38.962275	106.98702



193	163	67	23	20	40	56	80	99	90	81	88	73	64
193	163	67	23	20	40	56	80	99	90	81	88	73	64
2	2	3	3	3	4	4	4	3	5	5	3	4	4
2	2	3	3	3	4	4	4	3	5	5	3	4	4

August, and Rebecca Hewitt remaining counts

inates below. See metadata file at [www.rnbl.org](http://www.rnbl.org) for Inouye phenology project for additional details.



3 flower stalks eaten (probably by deer)

45	15	2	4	1	5	22	41	44	79	70	79	158	194
45	15	2	4	1	4	13	31	30	58	66	72	152	187
4	5	1	1	1	3	5	6	7	6	7	6	6	5
4	5	1	1	1	2	4	4	4	4	5	5	5	4

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 8/23/05 8/25/05 8/27/05 8/29/05  
 Emily did counts 8/23-25

4			5	7	1	2	4	1	5	4	3
4			4	6	1	1	2	1	3	2	3
16		3	1	1	2	1				1	1
7		1	1	1	2	1				1	1

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2		2		1	1	1	2	1	1	1	1	1	1
1	2*2 aborted stalks - frost damage						terminal ar axil						
128		89	55	73	26	17	6	10	8	5	1		
4		3	3	4	3	3	1	2	2	1	1		

total of 1+6+7 stalks in plot

6		58	37	101	60	66	100	23	56	68	132	47	28
5		44	30	71	51	46	63	16	39	54	123	37	22
3													

total of 4+7+13 stalks in plot

3		20	19	17	23	10	13	1	2	16	36	5	7
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2		11	15	11	18	8	8	1	2	16	20	4	6
2		4	5	17	12	15	23	12	13	14	18	16	9
1		2	1	2	2	2	4	3	3	2	3	2	4
164	0	176	122	217	125	112	148	48	85	109	192	69	45
161	0	176	122	217	125	112	148	48	85	109	192	69	45
8	0	6	6	7	7	7	6	6	6	7	7	4	4
7	0	6	6	7	7	7	6	6	6	7	7	4	4



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    9/28/05

			2		3	3	3	3	3	3	2	1	1 browsed
			1		1	1	1	1	1	1	1	1	1

1

about 56 aborted (frost-killed) stalks, on plant on N side

2	7	62	3	25	19	8	5	2		1
1	7	47	3	24	17	8	5	2		1

5	13	1		1		1				
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3	11	1		1		1							
12	10	11	10	8	10	8	4						
2	3	3	3	3	2	2	1						
20	30	74	15	34	32	20	12	5	3	3	1	1	0
20	30	74	15	34	32	20	12	5	3	3	1	1	0
4	3	3	3	3	3	4	3	2	1	2	1	1	0
4	3	3	3	3	3	4	3	2	1	2	1	1	0

	Length of flowering		maximum number	
9/30/05	25	<i>Claytonia lanceolata</i>	712	flowers 344 genets
	9	<i>Erythronium grandiflorum</i>	3	flowers 3 genets
	17	<i>Mertensia fusiformis</i>	12	flowers 1 genets
	28	<i>Androsace septentrionalis</i>	23	flowers 2 genets
	9	<i>Hydrophyllum capitatum</i>	32	flowers 4 genets
	20	<i>Delphinium nuttallianum</i>	69	flowers 23 genets
	16	<i>Lathyrus leucanthus</i>	10	flowers 10 clusters of flowers
	2	<i>Gayophytum ramosissimum</i>	1	flowers 1 genets
	2	<i>Galium bifolium</i>	1	flowers 1 genets
	8	<i>Viola adunca</i>	4	flowers
	51	<i>Potentilla hippiana</i>	14	flowers 11 clusters of flowers
	43	19 <i>Arenaria conjesta</i>	27	flowers 12 genets
		<i>Poa pratensis</i>	9	inflorescences
	46	<i>Helianthella quinquenervis</i>	4	capitula 2 genets
	40	<i>Erigeron speciosus</i>	159	capitula 4 genets
		<i>Elymus (Agropyron) trachycaulus</i> - wild rye		
		<i>Festuca pratensis</i> (?)		
	3	grass, reddish node, inflorescer	5	inflorescences
	7	<i>Achnatherum (Stipa) lettermanii</i>	13	inflorescences 2 clumps(genets)
about 200 plants in pl	60	<i>Polygonum douglasii</i>	132	inflorescences 123 genets
	7	<i>Koeleria macrantha</i> - no obvious	7	inflorescences 2 clumps(genets)
about 4 plants in plot	44	<i>Polygonum aviculare</i>	36	inflorescences

	<i>Calochortus gunnisoni</i>		20 genets
46	<i>Heterotheca (Chrysopsis) villosa</i>	23	capitula 4 genets

0  
0  
0  
0