

Wet Meadow Plot #4 - 2005

last updated 6/11/08 dwi

	5/21/05	5/22/05	5/24/05	5/26/05	5/28/05	5/30/05	6/1/05	6/3/05	6/5/05	6/7/05	6/9/05
<i>Mertensia fusiformis</i>	32 cm snow		>95% bare				4	27	39	104	127
<i>Viola praemorsa</i>		5% bare					3	10	10	16	15
<i>Androsace septentrionalis</i>											3
<i>Carex</i>											2

Potentilla pulcherrima X *hippiana*

Lathyrus leucanthus

Lupinus argenteus

Bromelica (Melica) spectabilis

Collomia linearis

Erigeron speciosus

Poa pratensis

Elymus (Agropyron) trachycaulus - wild rye

Ceratochloa (Bromus) carinata
smooth brome, flattened heads

Bromopsis pumpelliana (?)
hairy nodding brome

Dugaldia (Helenium) hoopsii

Achnatherum (Stipa) lettermanii - needlegrass (long awns)

Festuca thurberi

Polygonum douglasii

Polygonum aviculare

Achillea millefolium

Artemisia dracunculus

Chenopodium album

Heliomeris (Viguiera) multiflora

Helianthella quinquinervis

Total Flowers	0	0	0	0	0	0	4	27	39	104	130
Total flowers without grasses	0	0	0	0	0	0	4	27	39	104	130
# species flowering	0	0	0	0	0	0	1	1	1	1	2
# species flowering without grasses	0	0	0	0	0	0	1	1	1	1	2

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

This 2x2-m plot is located in the meadow between County Road 317 and the East River, west of South Gothic. GPS coord

		without grasses
Total number of species flowering	23	16
Maximum # of flowers on one day	158	158
Maximum # of species in flower =	10	8
Maximum H' = .		

totals include *Chenopodium*

Wet Meadow Plot #4

Point #	Plot name	Corner (corner)	Altitude (feet)	Altitude (meters)	Latitude	Longitude
145	Wet Meadow	Southeast	9406.021	2866.96	38.955578	106.98901
146	Wet Meadow	Southwest	9406.036	2866.96	38.955577	106.98903
147	Wet Meadow	Northwest	9406.138	2866.99	38.955595	106.98903
148	Wet Meadow	Northeast	9405.714	2866.86	38.955596	106.98901

98	80	135	122	71	64	64	61	51	67	73	75	65	68
98	80	135	122	71	64	64	61	51	67	73	75	65	68
3	3	3	2	2	2	2	3	3	4	2	3	4	4
3	3	3	2	2	2	2	3	3	4	2	3	4	4

August, and Rebecca Hewitt remaining counts

linates below. See metadata file at www.rmbl.org for Inouye phenology project for additional details

Patty and Emily did cc

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	8/5/05	8/7/05
36	51	61	68	52	25	59	34	59	35	29	28	38	21
32	36	39	44	34	19	39	26	36	26	24	22	21	11
6	5	6	1		1	1	1						
4	3	5	1		1	1	1						
4	3												
3	1												
22	31	29											
									assumed total of 31 stalks in plot				
1	9	25	27	3	7	7		1					
1	8	17	13	1	3	3		1					
			1	1	3	X	6	6	7	9	9	16	13
			1	1	1		1	1	1	1	2	4	3
				5	42	49	47	37	18		5		
				4	5	20	1						
						5							
					4								
						2		2					
							1						
							2	3	6	6	9	7	5
							1	2	1	2	2	2	2
							3	2	12	17	15	9	
								2	3	5			
					buds		2	12	13		14	1	
							1	2	2		2	1	
							2	4	6			19	24
							2	4	4			12	18
							2		1			10	6
							2		1			5	3
										1	4	5	5

2 6 27

frosted talks on 5 plants: $1*2+2*3$

69	99	121	97	65	89	141	99	136	103	45	86	111	101
47	68	92	97	56	36	68	47	73	55	45	52	101	101
5	5	4	4	5	8	8	10	9	8	4	8	9	7
4	4	3	4	3	4	4	6	5	5	4	5	7	7

counts through 8/15

Emily did counts 8/23-25

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	9/4/05	9/6/05
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rain

1

1

3

3

1% fresh gopher dump

31

27

39

30

43

51

36

17

4

9

10

4

1

1

3

3

3

4

2

1

1

4

3

2

3

8

3

3

4

2

2

1

1

1

1

assumed total of 49 stalks in plot

10+16 stalks in plot

5

4

3

4

1

1

1

1

2

2

2

2

1

1

1

1

total of 2+3+4*2+10 stalks in plot

total of 7+14 stalks in plot

57

74

55

27

62

11

6

21

18

16

4

3

4

1

35

37

35

21

21

6

4

19

15

11

4

3

4

1

11

20

4

4

6

3

1

4

2

5

4

2

4

3

2

1

3

2

5

5

6

6

4

5

5

5

5

4

5

5

5

3

35	27	44	44	30	51	50	104	103	54	31	30	1	19
				7		6	10	11	6	4	4	1	3
			1 done										

		2	3	5	4	4	6	8	10	12	8	4	2
		2	3		4	4	5	4	6	6	5	3	2

144	158	154	118	154	126	104	158	140	93	70	54	15	26
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144	158	154	118	154	126	104	158	140	93	70	54	15	26
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6	7	8	7	8	7	8	7	6	5	6	6	5	5
---	---	---	---	---	---	---	---	---	---	---	---	---	---

6	7	8	7	8	7	8	7	6	5	6	6	5	5
---	---	---	---	---	---	---	---	---	---	---	---	---	---

17 2
3 2

Counted 101 stalks on 8/29/05

40

25

21 7 1 1 0 0 0 0 0 0 0 0

20 6 1 1 0 0 0 0 0 0 0 0

4 4 1 1 0 0 0 0 0 0 0 0

3 3 1 1 0 0 0 0 0 0 0 0

lowering

Maximum number

<i>Mertensia fusiformis</i>	127	flowers 20 genets
<i>Viola praemorsa</i>	4	flowers 3 genets
<i>Androsace septentrionalis</i>	71	flowers 6 genets
<i>Carex</i>		
male	1	inflorescences
female	1	inflorescences
both	1	inflorescences
<i>Potentilla pulcherrima X hippiana</i>	68	flowers 44 clusters of flowers
<i>Lathyrus leucanthus</i>	8	flowers 6 clusters of flowers
<i>Lupinus argenteus</i>	19	flowers 8 genets
<i>Bromelica (Melica) spectabilis</i>	31	inflorescences
17 <i>Collomia linearis</i>	27	flowers 17 genets
<i>Erigeron speciosus</i>	51	capitula 4 genets
<i>Poa pratensis</i>	49	inflorescences
<i>Elymus (Agropyron) trachycaulu</i>	20	inflorescences 5 clumps(genets)
<i>Ceratochloa (Bromus) carinata</i> smooth brome, flattened heads	4	inflorescences
<i>Bromopsis pumpelliana (?)</i> hairy nodding brome	2	inflorescences
<i>Dugaldia (Helenium) hoopsii</i>	9	capitula 2 genets
3 <i>Achnatherum (Stipa) lettermanii</i>	17	inflorescences 5 clumps(genets)
<i>Festuca thurberi</i>	14	inflorescences 2 clumps(genets)
<i>Polygonum douglasii</i>	74	inflorescences 37 genets
<i>Polygonum aviculare</i>	20	inflorescences 5 genets
<i>Achillea millefolium</i>	6	inflorescences

<i>Artemisia dracunculus</i>	104	inflorescences
<i>Chenopodium album</i>		11 genets
<i>Heliomeris (Viguiera) multiflora</i>	12	capitula
<i>Helianthella quinquinervis</i>		6 genets