

Wet Meadow Plot #1 - 2006 last updated 6/23/08 dwi  
 Date 5/2/2006 5/4/2006 5/6/2006 5/8/2006 5/16/2006 5/18/2006  
*Ranunculus inamoenus* 15 inches of snow 30% bare snow gone  
 9 inches

*Valeriana capitata*

*Fragaria virginiana*

*Carex* (big brown head)

*Valeriana edulis*

*Bromelica (Melica) spectabilis*

*Potentilla pulcherrima* x *P. hippiana*

*Linum lewisii*

*Dugaldia (Helenium) hoopsii*

*Poa pratensis*

*Lupinus prunophyllus*

*Vicia americana*

*Galium septentrionale*

*Elymus (Agropyron) trachycaulus* - slender wheatgrass

*Collomia linearis*

*Erigeron speciosus*

*Delphinium barbeyi*

*Ligularia (Senecio) bigelovii*

Total Flowers	0	0	0	0	0	0
Total without grasses	0	0	0	0	0	0
# species flowering	0	0	0	0	0	0
Total without grasses	0	0	0	0	0	0

Notes: Krehe and Kathy Ritter did counts until 1 June; 1% gopher wir

This 2x2-m plot is located in the meadow between County Road 317

permanent snow cover began about 12 November 2006, based on the snowmelt date based on temperature and light data from Hobo Pend

Total number of species flowering =	16	without gra
Maximum # of flowers on one day =	48	
Maximum # of species in flower =	7	
Maximum H' = .		

Wet Meadow plot #1

Point #	Plot name	Corner (con	Altitude (feet)	Altitude (meters)	Latitude
108	Wet Meado	Northwest	9417.316	2870.4	38.956106
109	Wet Meado	Northeast	9417.486	2870.45	38.956099
110	Wet Meado	Southeast	9417.38	2870.42	38.956083
111	Wet Meado	Southwest	9417.15	2870.35	38.95609

5/20/2006	5/22/2006	5/24/2006	5/26/2006	5/28/2006	5/30/2006	6/1/2006	6/3/2006	6/5/2006
1	1	1	2	3	1	2	3	
1	1	1	2	3	1	2	3	
			1	1	2	2	2	2

some frost damage to Heracleum

possibly some frost damage in mic

1	1	1	3	4	3	4	5	2
1	1	1	3	4	3	4	5	2
1	1	1	2	2	2	2	2	1
1	1	1	2	2	2	2	2	1

water dump; Patty Coffin did counts 6-12, 16-20 August; Elizabeth Ziegler did counts 14, 22-24 August and the East River, west of South Gothic. GPS coordinates below. See metadata file at [www.rmbl.org](http://www.rmbl.org)

Temperature and light data from Hobo Pendant data logger  
Pendant data logger = 28 April 2007

sses
13
46
7

Longitude
106.98829
106.98827
106.98828
106.9883

	6/7/2006	6/9/2006	6/11/2006	6/13/2006	6/15/2006	6/17/2006	6/19/2006	6/21/2006	6/23/2006
				1	1				
				1	1				
	2	2	2	2	2	2	2	2	1
	6	5	3	3	1	2	1		
	4	4	2	3	1	2	1		
		male							
		female					1	1	1
		both			1				
leaves on west side							female inflorescences		
							2	2	2
								1	3
								1	
								1	

all 19 inflorescences frost-killed

buds frost-killed

Idle plant

8	7	5	6	5	4	6	7	7
8	7	5	6	5	4	6	6	4
2	2	2	3	4	2	4	5	4
2	2	2	3	4	2	4	4	3

d from 28 August to end

for Inouye phenology project for additional details.



6/25/2006 6/27/2006 6/29/2006 7/1/2006 7/3/2006 7/5/2006 7/7/2006 7/9/2006 7/11/2006

1										
									eaten, prob	
2	2	2	2	2	2	2	2	2		
			total of 28 stalks in plot							
6	1	1			1					
	3	8	5	2	6	7	5	6		
	3	7	5	1	5	5	4	4		
1	1	1	1	2		2	1			
1	1	1	1	1		2	1			
				1	4	4	5	5		
				1	2	2	2	2		
				1	1	3	3	8		
					1	2	1			
					1	2	1			

total of 39 stalks in plot

some buds frost-killed

all inflorescences killed

10	7	12	8	8	15	20	17	19
4	6	11	8	7	13	17	14	11
4	4	4	3	5	6	6	6	3
3	3	3	3	4	4	5	5	2



7/13/2006 7/15/2006 7/17/2006 7/19/2006 7/21/2006 7/23/2006 7/25/2006 7/27/2006 7/29/2006

ably by deer

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

7 total of 40 stalks in plot

1	2	3	3	3	3	3	4	4
22	3							
6	2							
	1	2		2	1	1	2	1
	1	1		1	1	1	1	1
	2	3	3	1	1	7	19	29
	1	1	1	1	1	3	9	15

l by frost

		1	1	2	3	4	4	3
		1	1	1	1	1	1	1
19	17	15	13	11	17	13	25	33
12	16	13	13	9	16	12	23	32
6	7	6	6	6	7	5	4	4
4	6	6	6	6	7	5	4	4



7/31/2006 8/2/2006 8/4/2006 8/6/2006 8/8/2006 8/10/2006 8/12/2006 8/14/2006 8/16/2006

1 1 1  
1 1 raining 1 raining

4 2 1 1 1 1

2

1

44 34 39 28 35 42 20 7 11  
15 14 13 14 16 11 4 3 1

2

1

48 35 40 28 36 42 20 7 11

46 35 40 28 36 42 20 7 11

4 3 3 2 3 2 1 1 1

4 3 3 2 3 2 1 1 1



8/20/2006 8/22/2006 8/24/2006 8/26/2006 8/28/2006 8/30/2006 9/1/2006 9/3/2006 9/5/2006

bud 1

5 1 1  
4 1 1

5	1	1	0	0	1	0	0	0
5	1	1	0	0	1	0	0	0
1	1	1	0	0	0	0	0	0
1	1	1	0	0	0	0	0	0



9/7/2006 9/9/2006 9/11/2006 9/14/2006 9/16/2006 9/18/2006 9/20/2006

Length of fl

27

29

13

7

2

21+

15

33

45

23

11

5

29

3

17

41

15

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0



flowering	maximum number of flowers	maximum number of stalks or plants
second flowering		
<i>Ranunculus inamoenus</i>	3	flowers 3 inflorescences
<i>Valeriana capitata</i>	2	inflorescences
<i>Fragaria virginiana</i>	6	flowers 4 inflorescences
<i>Carex</i> (big brown head)	1	inflorescences
<i>Valeriana edulis</i>	1	inflorescences
<i>Bromelica (Melica) spectabilis</i>	2	inflorescences
<i>Potentilla pulcherrima</i> x <i>P. hippiana</i>	6	inflorescences
	8	flowers 7 inflorescences
2 <i>Linum lewisii</i>	2	flowers 2 inflorescences
<i>Dugaldia (Helenium) hoopsii</i>	7	capitulae 3 inflorescences
<i>Poa pratensis</i>	8	inflorescences
<i>Lupinus prunophyllus</i>		
<i>Vicia americana</i>	2	flowers 2 clusters of flowers
<i>Galium septentrionale</i>	4	inflorescences
<i>Elymus (Agropyron) trachycaulus</i>	22	inflorescences 6 patches
<i>Collomia linearis</i>	2	flowers 1 genets
<i>Erigeron speciosus</i>	44	capitulae 16 patches
<i>Delphinium barbeyi</i>		
<i>Ligularia (Senecio) bigelovii</i>	4	capitulae 1 inflorescences