

Willow - Meadow Interface Plot #3 - 2005 last updated 1/30/06 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
<i>Ranunculus inamoenus</i>	50% bare	45% bare	snow gone							

Thlaspi flowering nearby

Draba aurea

Cardamine cordifolia

Geranium richardsoni

Bromelica (Melica) spectabilis

Vicia americana

Delphinium barbeyi

Bromopsis pumpelliana

Ligularia (Senecio) bigelovii

outside plot

Erigeron coulteri

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

Notes: Krehe and Kathy Ritter did counts until 1 June; 5% gopher dump; Emily Morris did counts on 21 and 23 Aug

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

	without grasses	
Total number of species flowering =	9	7
Maximum # of flowers on one day =	44	44
Maximum # of species in flower =	3	3

Maximum H' = .

Willow-Meadow Interface plot #3

Point #	Plot name	Corner (com	Altitude (feet)	Altitude (meters)	Latitude	Longitude
128	Willow-Mea	Northwest	9408.525	2867.72	38.955765	106.98887
129	Willow-Mea	Southwest	9408.326	2867.66	38.95575	106.98886
130	Willow-Mea	Northeast	9408.377	2867.67	38.955773	106.98885
131	Willow-Mea	Southeast	9409.198	2867.92	38.955756	106.98884

frost														
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	7/6/05	
			1	2	2		1	1	1	1	1	2		
			1	1	2		1	1	1	1	1	2		
		Salix leaves opening; no flowering				2	6	13	16	23	21	18	36	37
					1	4	4	4	4	4	5	6	7	
											3	6	5	
											1	1	1	

looks like *Smilacina* leaves in plot

0	0	0	1	2	4	6	14	17	24	22	22	44	42
0	0	0	1	2	4	6	14	17	24	22	22	44	42
0	0	0	1	1	2	1	2	2	2	2	3	3	2
0	0	0	1	1	2	1	2	2	2	2	3	3	2

gust, and Rebecca Hewitt remaining counts

'S coordinates below. See metadata file at www.rnbl.org for Inouye phenology project for additional details

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	Patty and I 8/5/05
26	19	16	9	3									
7	7	5	4	1									
3	5	8	5	1									
1	1	3	2	1									
2	4	9	12	16	12	10	12	9	6	8	5	6	5
	3	7				10	11	8	5	7	4	5	5
						1	3						total of 3 st
					2		1						
					1		1						
										6	10	5	9
										1	1	1	1
										4			
										total of 4 stalks in plot			
31	28	33	26	20	15	13	13	9	6	18	15	11	14
31	28	33	26	20	14	10	13	9	6	14	15	11	14
3	3	3	3	3	3	2	2	1	1	3	2	2	2
3	3	3	3	3	2	1	2	1	1	2	2	2	2

Emily did counts through 8/15

Emily did counts 8/23-25

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 9/4/05

3 2 2 1

talks in plot

6 3 2
1 1 1

2 2 2 1 1

1 1
may have missed earlier

1 1 1 1 1 1 1
Note - Rebecca Hewitt recorded this as *Aster foliaceus*, but had ju

9 5 4 1 0 1 1 1 1 1 1 1 1 1
9 5 4 1 0 1 1 1 1 1 1 1 1 1
2 2 3 2 1 2 2 1 1 1 1 1 1 1
2 2 3 2 1 2 2 1 1 1 1 1 1 1

Length of flowering

Maximum number

19	<i>Ranunculus inamoenus</i>	2	flowers 2 genets
29	<i>Draba aurea</i>	37	flowers 7 genets
17	<i>Cardamine cordifolia</i>	8	flowers 3 genets
37	<i>Geranium richardsoni</i>	16	flowers 11 genets
3	<i>Bromelica (Melica) spectabilis</i>	3	inflorescences
5	<i>Vicia americana</i>	2	flowers 1 clusters of flowers
14	<i>Delphinium barbeyi</i>	10	flowers 1 genets
2	<i>Bromopsis pumpelliana</i>	4	inflorescences
9	<i>Ligularia (Senecio) bigelovii</i> outside plot	2	capitula
23	<i>Erigeron coulteri</i>	1	inflorescences