

**Sample Mitigation Reporting Spreadsheet**

Presented at the Wetland Mitigation Monitoring Training held by DSL on November 18, 2009

Habitat unit is an herbaceous wetland; thresholds assume the routine performance standards; sheet is formatted to 11"x17" for viewing, submittal should be as 8.5"x11".

Highlighted cells under the "row averages" column indicate that the associated species meets the criteria to count toward the species diversity standard.

Graying on non-native species demonstrates that this species could qualify as an invasive by definition if there is an increase in cover or frequency from the previous monitoring year.

Site: XYZ Mitigation July 2009

Species	Origin	Wetland Status	Percent Cover																									Row Average	
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25		
<b>Native Herbaceous Species</b>																													
Agrostis exarata	Native	2	0	10	0	0	0	20	0	20	30	5	15	15	20	0	10	0	10	15	15	10	15	20	0	0	0	20	10
Alnus rubra	Native	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	
Alopecurus aequalis	Native	1	20	15	20	5	20	35	0	25	5	15	30	5	0	10	15	5	10	10	10	20	10	0	0	25	0	0	12
Beckmannia syzigachne	Native	1	10	0	20	0	0	3	0	15	0	20	0	5	5	20	10	25	5	0	20	0	3	10	5	0	0	0	7
Camassia quamash	Native	2	0	0	0	0	3	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carex obnupta	Native	1	3	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
Cornus stolonifera	Native	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0
Danthonia californica	Native	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0
Deschampsia cespitosa	Native	2	5	20	0	0	20	10	0	10	30	15	10	40	35	40	10	20	25	30	20	40	30	25	0	15	25	20	19
Deschampsia elongata	Native	2.5	0	0	0	0	5	0	0	0	0	0	10	10	0	0	40	0	0	0	0	0	0	0	0	0	0	0	3
Eleocharis ovata	Native	1	0	0	0	65	0	3	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	25	0	0	0	0	4
Eleocharis palustris	Native	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	0	0	0	0	1
Elymus trachycaulus	Native	3	0	10	0	0	0	0	0	3	3	15	0	0	0	5	0	0	15	15	10	5	15	15	0	25	40	30	8
Epilobium ciliatum	Native	2.5	0	0	0	0	0	3	5	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fraxinus latifolia	Native	2	0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Glyceria borealis	Native	1	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Glyceria occidentalis	Native	1	40	30	0	20	3	0	0	0	0	0	0	0	10	0	0	35	3	0	0	0	0	0	0	0	0	0	5
Hordeum brachyantherum	Native	2.5	5	0	0	0	3	3	0	15	25	10	5	15	0	15	3	0	20	20	15	5	15	25	0	10	25	10	9
Juncus bufonius	Native	2	0	0	3	3	3	0	35	0	0	3	0	3	3	0	3	0	3	0	3	3	3	0	3	0	0	0	3
Juncus ensifolius	Native	2	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Juncus patens	Native	2	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ludwigia palustris	Native	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0	0	0	0	0	0	0	0	0	0
Malus fusca	Native	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0
Rorippa curvisiliqua	Native	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0
Rosa nutkana	Native	3	0	0	0	0	0	0	1	0	0	0	40	0	0	0	0	0	0	0	8	0	11	0	0	0	0	0	2
Salix lasiandra	Native	1.5	0	3	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
Sambucus racemosa	Native	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0
Typha latifolia	Native	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	0	0	0	0	1
Veronica americana	Native	1	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Invasive Herbaceous Species</b>																													
Cirsium arvense	Invasive	1	0	0	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	1

**Non-Native Herbaceous Species**

Alopecurus geniculatus	Non-native	1	20	15	20	5	20	35	0	15	5	20	30	10	20	10	15	10	15	10	10	20	10	0	0	25	10	20	14
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**Bare Substrate**

Bare Ground		0	0	0	0	0	0	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	2
Open Water		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0

Performance Standards	Threshold	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	Habitat Average	Standard Error	Standard Met?
Cover of Native Species	>60%	83.0	88.0	43.0	93.0	57.0	80.0	60.0	88.0	96.0	83.0	113.0	93.0	83.0	90.0	91.0	90.0	94.0	93.0	101.0	83.0	107.0	109.0	93.0	75.0	90.0	80.0	87	3.0	Yes
Lower CI (80%)																												83		
Upper CI (80%)																												91		
Cover of Invasive Species	<10%	0	0	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	1	1	Yes
Lower CI (80%)																												0		
Upper CI (80%)																												2		
Bare Substrate	<20%	0	0	0	0	0	0	45	0	0	0	0	0	0	0	0	0	0	0	0	0	10	5	0	0	0	0	2	2	Yes
Lower CI (80%)																												0		
Upper CI (80%)																												5		
Prevalence Index	<3.0	1.3	1.6	1.5	1.2	1.8	1.7	2.0	1.7	2.1	1.9	2.1	2.0	1.8	1.8	2.0	1.3	2.0	2.1	2.0	1.9	2.3	2.2	1.1	2.1	2.5	2.4	2		Yes
Weighted Prevalence Index		135.5	170	106	126	135	192	121	177	213	191	305	209	181	183	209	130	222	218	218	194	265	245	116	205	253	235	190		
Sum of plant cover		103	103	73	108	77	115	60	103	101	103	143	103	103	100	106	100	109	103	111	103	117	109	103	100	100	100	102		
Native Diversity	6																											7		Yes