

Woody vegetation summary: Stem density and basal area. Shrub/sapling densities include all stems; tree densities include trees over 5cm dbh.

	Tree basal area (sq m/ha)			
	Blind Slough	Blind Slough	Coal Creek	Coal Creek
Species	BS P1	BS P2	CC P1	CC P2
<i>Alnus rubra</i>	2			2.5
<i>Malus fusca</i>			0.7	
<i>Picea sitchensis</i>	27		42.3	36.2
<i>Thuja plicata</i>	10			
Total	39		43	39

	Tree density (trees/ha)			
	Blind Slough	Blind Slough	Coal Creek	Coal Creek
Species	BS P1	BS P2	CC P1	CC P2
<i>Alnus rubra</i>	36			48
<i>Malus fusca</i>			12	
<i>Picea sitchensis</i>	179		155	120
<i>Thuja plicata</i>	60			
Total	275		167	167

	Shrub/sapling density (stems/ha)			
	Blind Slough	Blind Slough	Coal Creek	Coal Creek
Species	BS P1	BS P2	CC P1	CC P2
<i>Acer circinatum</i>	1,458			
<i>Cornus sericea</i>	29,892			
<i>Frangula purshiana</i>			2,916	
<i>Gaultheria shallon</i>	16,769		31,350	101341
<i>Hedera helix</i>	2,187			
<i>Lonicera involucrata</i>	16,769	2,187	19,685	20414
<i>Malus fusca</i>	3,645		1,458	19685
<i>Physocarpus capitatus</i>	29,892			
<i>Picea sitchensis</i>	2,916			
<i>Ribes sp.</i>	729			
<i>Rosa nutkana</i>	25,518			
<i>Rubus laciniatus</i>				2187
<i>Rubus parviflorus</i>	13,123			
<i>Rubus spectabilis</i>	3,645		32,079	13852
<i>Rubus ursinus</i>	24,789		45,203	12394
<i>Salix hookeriana</i>		2,187	2,916	3645
<i>Salix lucida ssp. lasiandra</i>		2,187		
<i>Salix sitchensis</i>		29,892		
<i>Spiraea douglasii</i>	18,227	127,588		
<i>Symphoricarpos albus</i>	4,374			
<i>Vaccinium ovatum</i>			729	
Total	193,934	164,042	136,337	173,520

2007 herbaceous vegetation in scrub-shrub and forested study plots (% cover by species)

Scrub-shrub/Forested plots	Blind Slough		Coal Creek	
Herbaceous species % cover	BS P1	BS P2	CC P1	CC P2
<i>Adiantum aleuticum</i>	2.3			
<i>Athyrium filix-femina</i>	1.8	22.6	6.7	16.1
<i>Cardamine angulata</i>	0.1			
<i>Carex deweyana</i>	0.5			
<i>Carex obnupta</i>	0.1	4.6	12.2	17.0
<i>Equisetum arvense</i>	0.2			
<i>Equisetum fluviatile</i>		4.1		
<i>Impatiens capensis</i>	1.2	16.8		
<i>Lysichiton americanus</i>	5.0	6.4		
<i>Maianthemum dilatatum</i>				2.8
<i>Oenante sarmentosa</i>	7.7	2.3	0.5	0.1
<i>Phragmites australis</i>	2.3			
<i>Polypodium glycyrrhiza</i>	0.5		0.6	0.1
<i>Polystichum munitum</i>	1.5		1.9	8.9
<i>Rubus spectabilis</i> (seedling)				0.1
<i>Scirpus microcarpus</i>		12.8		
<i>Typha</i> sp.		0.5		
<i>Vicia nigricans</i> ssp. <i>gigantea</i>			0.3	

2007 herbaceous vegetation in low marsh study plots (% cover by species)

Low Marsh plots	Siletz Keys		Hidden Creek Marsh	
Herbaceous species % cover	SK P1	SK P2	HM P1	HM P2
Algal mat	0.5			
<i>Atriplex gmelinii</i>	0.1	0.1		0.1
<i>Carex lyngbyei</i>	9.8			2.3
<i>Cuscuta salina</i>			5.9	4.6
<i>Deschampsia caespitosa</i>	0.7	0.2	9.1	17.6
<i>Distichlis spicata</i>	25.6	53.0	7.3	18.6
<i>Glaux maritima</i>				0.3
<i>Hordeum brachyantherum</i>				0.1
<i>Hordeum jubatum</i>	0.2			
<i>Jaumea carnosa</i>	36.5	33.0	21.3	37.3
<i>Plantago maritima</i>	5.6	0.2	15.4	0.3
<i>Salicornia depressa</i>	12.3	12.3	20.6	8.1
<i>Spergularia</i> sp.	0.7	0.4		
<i>Triglochin maritimum</i>	2.9	2.4	16.9	12.5
Mud		0.3		
Bare ground			5.3	1.9
Water	10.2		0.1	

2007 herbaceous vegetation in high marsh plots (% cover by species)

High Marsh plots	Millport Slough		Hidden Creek Marsh	
Herbaceous species % cover	MH P1	MH P2	HM P3*	HM P4
<i>Achillea millefolium</i>	5.6	3.3		
<i>Agrostis stolonifera</i>	20.0	14.2	8.2	29.5
<i>Angelica lucida</i>	2.3	2.5		0.9
<i>Argentina egedii</i>	28.3	24.0		5.65
<i>Atriplex patula</i>		0.3	0.1	0
<i>Carex lyngbyei</i>			3.5	1.4
<i>Cirsium vulgare</i>		0.1		
<i>Cuscuta salina</i>			1.2	
<i>Deschampsia caespitosa</i>	41.4	42.0	21.5	1.1
<i>Distichlis spicata</i>			14.9	
<i>Epilobium ciliatum</i>		0.1		
<i>Festuca rubra</i>	0.7			6
<i>Galium aparine</i>	0.3			
<i>Galium trifidum</i>	0.1	0.2		
<i>Glaux maritima</i>			2.3	6.3
<i>Grindelia stricta</i>				0.3
<i>Heracleum maximum</i>	0.1	0.8		
<i>Hordeum brachyantherum</i>	0.1	0.3	2.4	0.1
<i>Jaumea carnosa</i>			42.0	17.95
<i>Juncus balticus</i>	14.0	4.2		26.5
<i>Lathyrus palustris</i>	0.3			
<i>Unknown (Umbelliferae)</i>	0.1			
<i>Plantago maritima</i>				0.9
<i>Rumex occidentalis</i>		0.8		
<i>Salicornia depressa</i>			3.8	
<i>Symphyotrichum subspicatum</i>	12.4	10.5		0.2
<i>Triglochin maritimum</i>			4.9	6.3
<i>Trifolium wormskioldii</i>				0.7
<i>Vicia nigricans ssp. gigantea</i>	1.9	2.6		
Bare ground			1.6	0.3
Litter				2.3
Water		0.6	0.0	

* HM P3 is transitional between low and high marsh.

Soil test results

Site	Site type	Sample year	Plot	Sample depth (cm)	pH	%OM by LOI	%C	EC (mS/cm)	salinity	% sand	% silt	% clay	texture class	histosol thresh-old	histo-sol?
Blind Slough	Tidal swamp	2007	P1	0-30	5.3	20.29	13.80	0.73	0.40	22.1	50.8	27.2	clay loam	14.7	N
Blind Slough	Tidal swamp	2007	P2	0-30	5.3	28.86	19.62	0.77	0.42	45.8	27.1	27.2	sandy clay loam	14.7	Y
Coal Creek	Tidal swamp	2007	P1	0-30	4.9	20.97	14.26	13.40	8.64	35.8	38.3	25.9	loam	14.6	N
Coal Creek	Tidal swamp	2007	P2	0-30	4.7	22.16	15.07	13.60	8.78	45.8	35.8	18.4	loam	13.8	Y
Millport Slough	High marsh	2007	P1	0-30	5.8	21.30	14.48	19.80	13.20	45.8	33.3	20.9	loam	14.1	Y
Millport Slough	High marsh	2007	P2	0-30	5.6	16.93	11.51	15.60	10.19	24.4	52.7	22.9	silt loam	14.3	N
Hidden Cr. Marsh	Low marsh	2008	P1	0-20	5.9	23.78	16.17	74.10	57.51	33.8	30.0	36.3	clay loam	15.6	Y
Hidden Cr. Marsh	Low marsh	2008	P2	0-20	5.2	19.98	13.59	64.20	48.75	26.3	31.3	42.5	clay loam	16.3	N
Hidden Cr. Marsh	High marsh	2008	P3	0-30	5.5	21.55	14.65	62.40	47.19	27.5	30.0	42.5	clay loam	16.3	N
Hidden Cr. Marsh	High marsh	2008	P4	0-30	4.9	32.13	21.85	37.30	26.47	46.3	26.3	27.5	loam/sandy clay loam	14.8	Y
Siletz Keys	Low marsh	2007	P1, upper	0-25	5.9	12.68	8.62	37.90	26.94	31.6	53.4	15.0	silt loam	13.5	N
Siletz Keys	Low marsh	2007	P1, lower	40-50	6.9	2.93	1.99	31.00	21.57	54.1	35.9	10.0	sandy loam	13.0	N
Siletz Keys	Low marsh	2007	P2, upper	0-20	5.8	11.47	7.80	31.40	21.88	44.1	42.2	13.8	loam	13.4	N
Siletz Keys	Low marsh	2007	P2, lower	20-30	6.5	2.99	2.03	33.10	23.19	66.6	24.7	8.8	sandy loam	12.9	N