

Table 1. Data summary for all plots sampled at the Atwell Island Restoration Project in spring 2017. See Appendices B and C for species codes.

Plot	Composition (%)						Shrub ht (m)	Dominants			Animal sign (Flat or Berm/Flat)*					Notes
	Live Shrub	Dead shrub	Native Herb	Nonnative Herb	Litter	Bare		Shrubs	Native herbs	Nonnative herbs	Rodent	Rabbit	Carnivore	Lizard	Bird	
24-22-01-native 1	3	2	7	68	<1	20	0.5-1	SUMO ISAC	AMME	HOMU SCAR	M	L		L	3	krat
24-22-01-native 2	0	26	16	11	2	45	<0.5	SUMO	HEPU HODE SPMA	HOMU	H	M		L	0	SUMO dormant?; moss scattered; krat; 2 horned lizards
24-22-01-08A	20	20	10	48	<1	1	0.5-1	ATPO SUMO	HODE LASP LEAC LEDI VUMI	HOMU	L	L			6	data collected where not flooded; moss present
24-22-11-06A	<1	0	5	80	1	14		FRSA	AMME	HOMU	M	M				krat
24-22-11-06B	5	<1	15	75	5	1	1-2	ATPO SUMO	AMME	HOMU	L			L	2	moss patchy; krat
24-22-11 fallow 1	<1	0	25	64	<1	10	<0.5	FRSA	AMME	BRRU ERCI HOMU SCAR	H/M			L	6	Posochanet silt loam; krat
24-22-11 fallow 2	0	0	25	70	2	3	0		AMME HEPU PLCA	BRRU ERCI SCAR	M			L	2	Sandridge loamy fine sand; krat, mice; BUOW
24-22-12-05A	10	2	30	38	5	15	?	ATPO SUMO	LASP	BRRU ERCI	M	X		X	1	
24-22-12-05B	10	0	18	60	2	10	1-2	ATPO	AMME	BRRU HOMU	L				1	cattle present
24-22-12-06A	5	1	40	47	2	5	0.5-1	ATSP	AMME	BRRU SCAR	L	X			2	moss scattered; krat & CA ground squirrel; BUOW; cattle present
24-22-12-06B	20	0	20	40	5	15	1-2	ATPO ISAC	LAPE	BRRU		M		L	1	cattle present in part
24-22-12-08	15	2	30	40	3	10	1-2	ATPO ATSP	AMME	BRRU SCAR	L	H		M	4	moss scattered; krat; 1 horned lizard; grazed
24-22-12-2011e	30	0	53	10	2	5	?	ATPO	LASP LAPE	BRRU	H/M	X?/X?		X?/X?	1	moss scattered
24-23-03-01	0	0	3	97	<1	<1	0	FRSA	AMME	HOMU	M				1	ESRP
24-23-04-04	3	2	1	88	5	1	1-2	ATPO	AMME LAPE	HOMU	L/L	M/M			1/0	moss patchy; animals hedgerows/flats
24-23-04-2011d	10	15	30	45	0	<1	1-2	ATPO SUMO	LAPE PHCI	BRRU HOMU	L/0				0/2	moss present
24-23-05-08B	40	10	5	42	2	<1	1-2	ATPO	LAPE PHCI	HOMU		H	X	L	2	coyote natal dens, scats
24-23-05-09B E	0	0	0	100	0	0	0			HOMU						
24-23-05-09B W	30	0	10	40	20	0	?	ATLE SUMO	PHCI	BAHY HOMU LASE						
24-23-05-2011b	30	2	10	56	2	<1	0.5-1	ATPO	AMME LASP LAPE PHCI	BRRU					1	
24-23-05-2012	45	15	3	35	1	1	1-2	ATLE	LASP	SIIR	L	H			1	few live branches on shrubs; moss present
24-23-06-05A	5	0	20	67	5	3	0.5-1	ATPO SUMO	LAPE PHCI	HOMU	M/L	H/M		L/L	3	moss present; white-tailed kite, coachwhip
24-23-06-05B	5	<1	33	60	1	1	?	SUMO	LAPE	HOMU	L	L	X		3	moss present; coyote tracks
24-23-06 between 05B & 08B	1	25	25	43	1	5	0.5-1	ISAC ISAR	AMME PHCI	BRRU	M	L			2	peach color on map
24-23-06-08A E	2	13	23	60	2	<1	0.5-1	SUMO	AMME	HOMU			X			east half of plot; coyote/badger den
24-23-06-08A W	1	39	25	29	5	<1	1-2	ATPO	AMME LAPE	HOMU	X	L		L	2	west half; moss patchy; harrier
24-23-06-08A east of	5	0	30	58	5	2	?	ATPO	AMME LAPE	HOMU	L/L					gopher-berm; krat?-flats
24-23-06-08B E	1	10	25	56	3	5	<0.5	SUMO	LENI	HOMU	H/M	H		X		east half of plot; moss scattered; krat
24-23-06-08B W	<1	5	30	60	1	5	?	ATPO	AMME	BRRU	H/H			M/0		west half
24-23-06-08B east of	0	10	2	88	0	<1	0.5-1	ATPO ISAC ISAR	LASP LAPE PHCI	HOMU	L					
24-23-06-09	20	2	25	45	4	4	0.5-1	ATPO	AMME	HOMU	X	X			2	moss patchy; krat? & gopher
24-23-06-2011a	45	5	33	15	2	<1	1-2	ATLE ATPO	AMME LASP LAPE PHCI	BRRU	L	H		M	1	krat & gopher
24-23-06-2012	3	<1	20	75	1	1	0.5-1	ATPO	LAPE	HOMU	L				1	
24-23-06-2014	25	25	15	25	10	<1	?	ATLE ATPO	AMME LASP LAPE	BRRU	L/L	M				
24-23-07-01	9	1	25	60	5	<1	1-2	FRSA SUMO	AMME PHCI	BRRU HOMU	M/L		X		2	ESRP; krat? & gopher; coyote den

	Composition (%)							Dominants			Animal sign (Flat or Berm/Flat)*					
Plot	Live Shrub	Dead shrub	Native Herb	Nonnative Herb	Litter	Bare	Shrub ht (m)	Shrubs	Native herbs	Nonnative herbs	Rodent	Rabbit	Carnivore	Lizard	Bird	Notes
24-23-07-01 SEQ	3	0	2	95	0	<1	?	ATPO	LAPE	HOMU	L				1	SE quarter
24-23-07-06A	39	1	9	45	5	1	1-2	ATPO	PHCI	BAHY	L	H	H	X	2	moss continuous under shrubs; krat; lots of coyote scat; harrier
24-23-07-06B	39	1	9	45	5	1	1-2	ATPO	PHCI	BAHY	L	H	X	X	1	moss continuous under shrubs; lots of coyote scat & den
24-23-07-2014	2	0	27	70	1	<1	<0.5	ATLE ATPO ISAR	AMME LAPE	BRRU CABU ERCI HOMU SIIR	L				2	east of 24-23-07-06; krat
24-23-08-01	1	<1	2	96	1	<1	?	ATPO SUMO	AMME LAPE	BRRU HOMU	M/L					ESRP
24-23-08-04	0	0	10	75	0	15	0		LAPE	HOMU SIIR	M/0					cattle grazed; shrubs damaged
24-23-08-05	<1	0	1	94	0	5	?	ATPO	LASP LAPE PHCI	HOMU SIIR	H/0					cattle grazed
24-23-08-06A E	1	0	20	78	0	1	<0.5	ATSP	LAPE LESP PHCI	HOMU	M					artificial kit fox den unearthed
24-23-08-06A W	<1	0	2	97	0	1	<0.5	ATPO SUMO	same as above?	HOMU	H/M					
24-23-08-06B	<1	0	15	84	0	1	0.5-1	ATPO	AMME PHCI	HOMU					1	
24-23-08-08	<1	0	3	97	0	<1	<0.5	ATSP	LESP	HOMU	L				1	
24-23-08-09A	1	0	15	82	0	2	0.5-1	ATPO	PHCI	HOMU	M					
24-23-08-09B	0	1	15	74	0	10	?	ATSP	AMME LAPE PHCI LESP	ERCI HOMU	H				1	data from south part of plot
24-23-08-2011c	25	3	0	62	10	0	1-2	ATPO ISAC		HOMU		X	X		1	
24-23-09-05	5	0	5	89	<1	<1	1-2	ISAR	AMME PHCI	HOMU	M			L	2	lichen on ISAR wood
24-23-09-07A&D	4	1	35	60	0	<1	0.5-1	ATLE	PHCI	HOMU	L/0				4	east of Tule Rd.; moss in 1 place: lichen on shrubs
24-23-09-07B&E	3	2	10	85	<1	<1	0.5-1	ATPO ATSP ISAR SUMO	AMME PHCI	HOMU	M/L			L	6	
24-23-09-07F	1.61	0.83	7.67	18.22	1.22	71.11	0.5-1	ATSP SUMO	LAFE PLLE	HOMU	L/0					mean of 9 depressions; "bare" includes water; moss patchy; artificial den has not been used
24-23-09-09	<1	2	4	88	5	<1	<0.5	ATLE	AMME LASP LAPE PHCI	HOMU	L		X	L		1 fox-size hole
24-23-09-2015	3	0	3	92	1	<1	0.5-1	ATLE	LAPE PHCI	HOMU	L				1	krat? & gopher
24-23-10-01A	0	0	2	98	<1	<1	0		AMME CAEX GULA LAPE LESP	HOMU	L/L				1	ESRP; krat
24-23-10-01B	0	0	3	97	<1	<1	0		LESP	HOMU	L/L					ditches not berms; krat & gopher
24-23-10-02A	<1	1	89	10	0	<1	0.5-1	ATPO	AMME	BRRU ERCI	H/L				1	
24-23-10-02B	<1	1	5	94	0	0	1-2	ATPO	AMME	HOMU	H/L				1	
24-23-10-03	2	0	2	95	0	1	0.5-1	ATPO	AMME LAPE	ERCI HOMU	L/0				1	shrubs in east half only; flock of red-winged blackbirds
24-23-10-04A	1	0	<1	98	0	0	?	ATPO	AMME PHCI	HOMU	H/0					natives mostly in hedgerow
24-23-10-04B	1	0	10	89	0	0	?	ATPO	PHCI	HOMU	M/L					
24-23-10-05	4	1	2	92	0	1	0.5-1	ATPO	AMME CAEX GULA HEPU LAPE LESP PLLE	BRRU ERCI HOMU	L/L				2	krat
24-23-14-01A E	0	0	3	96	<1	<1	0		AMME	HOMU	L			X	1	ESRP; BUOW
24-23-14-01A W	0	0	20	50	10	20	?		AMME GULA LENI	HOMU	H/0				2	ESRP; BUOW; red-tailed hawk nest; has been sheep grazed
24-23-14-01B	<1	0	4	93	0	3	<0.5	FRSA	AMME GULA LESP	HOMU	M	M			1	ESRP; krat
24-23-23-02A	1	0	3	95	<1	1	0.5-1	ATPO FRSA	HEPU	HOMU	M/M		X		3	krat & CA ground squirrel; BUOW
24-23-23-02B	1	0	5	91	2	1	<0.5	ATSP FRSA	AMME HEPU LESP	ERCI HOMU MEIN	M				2	has been sheep grazed
24-23-23-03	<1	0	1	98	<1	<1	<0.5	FRSA	AMME	HOMU MEIN	L		1	M	1	krat & gopher; kit fox scat & BUOW whitewash at artificial den

* Use codes for Rodent, Rabbit (includes hares), Carnivore, & Lizard: L = low, M = medium, H = high, X = present, 1 = found in only one location within plot. See Methods for definition of low, medium, high use.

Use codes for Birds = number of species observed during vegetation sampling. Reference plots are shaded.