

**APPENDIX II. TABLES OF OCCURRENCES OF EXOTIC SPECIES ON WEED TRANSECTS AND IN
VEGETATION PLOTS IN EACH YEAR**

This is Appendix II to:

Jones, George P. 2014. Exotic Plant Species and Vegetation Features in the Wildhorse Basin and Sheep Mountain Fire Areas, BLM Rock Springs Field Office, Wyoming. Unpublished Report to the Bureau of Land Management, Rock Springs (Wyoming) Field Office from the Wyoming Natural Diversity Database, University of Wyoming.

Table II-1. Occurrence of exotics species on each weed transect in each year.

Rows in italics show the percentage of the 25 quadrats on the transect in which each species was recorded in each year.

Point		Species	2001	2002	2012
WHW01	Burned	Number of species in year	0	0	0
WHW02	Burned	Number of species in year	0	0	0
WHW03	Burned	Number of species in year	1	1	1
		<i>Bromus tectorum</i>	4		
		<i>Ceratocephala testiculata</i>			28
		<i>Cirsium arvense</i>		8	
WHW04	Burned	Number of species in year	1	0	0
		<i>Halogeton glomeratus</i>	4		
WHW05	Unburned	Number of species in year	0	0	0
WHW06	Burned	Number of species in year	1	1	2
		<i>Bromus tectorum</i>			32
		<i>Elymus repens</i>	4		
		<i>Sonchus arvensis</i>		16	8
WHW07	Burned	Number of species in year	0	1	1
		<i>Bromus tectorum</i>			52
		<i>Sonchus arvensis</i>		12	
WHW08	Burned	Number of species in year	0	1	1
		<i>Bromus tectorum</i>			4
		<i>Sonchus arvensis</i>		8	
WHW09	Burned	Number of species in year	1	2	1
		<i>Bromus tectorum</i>	8	20	80
		<i>Sonchus arvensis</i>		4	
WHW10	Unburned	Number of species in year	2	1	2
		<i>Bromus tectorum</i>		56	
		<i>Cirsium arvense</i>	4		48
		<i>Sonchus arvensis</i>	100		100
WHW11	Unburned	Number of species in year	2	1	2
		<i>Carduus nutans</i>	4		
		<i>Cirsium arvense</i>		44	12
		<i>Sonchus arvensis</i>	76		68
WHW12	Burned	Number of species in year	0	0	1
		<i>Bromus tectorum</i>			4
WHW13	Burned	Number of species in year	0	1	0
		<i>Sonchus arvensis</i>		52	
WHW14	Burned	Number of species in year	0	0	2
		<i>Cirsium arvense</i>			24
		<i>Sonchus arvensis</i>			8

Table II-1 (continued).

Point		Species	2001	2002	2012
WHW15	Burned	Number of species in year	0	1	0
		<i>Sonchus arvensis</i>		20	
WHW16	Unburned	Number of species in year	1	0	2
		<i>Bromus tectorum</i>	8		16
		<i>Ceratocephala testiculata</i>			4
WHW17	Burned	Number of species in year	0	0	1
		<i>Ceratocephala testiculata</i>			4
WHW18	Unburned	Number of species in year	0	0	0
WHW19	Burned	Number of species in year	0	0	1
		<i>Bromus tectorum</i>			60
WHW20	Burned	Number of species in year	0	1	0
		<i>Cirsium arvense</i>		4	
WHW21	Unburned	Number of species in year	2	1	1
		<i>Bromus tectorum</i>			40
		<i>Cirsium arvense</i>	100	96	
		<i>Cirsium vulgare</i>	4		
WHW22	Burned	Number of species in year	0	0	0
WHW23	Burned	Number of species in year	1	1	1
		<i>Bromus tectorum</i>	4		28
		<i>Sonchus arvensis</i>		4	
WHW25	Burned	Number of species in year	0	0	0
WHW30	Burned	Number of species in year	0	1	1
		<i>Bromus tectorum</i>			52
		<i>Sonchus arvensis</i>		8	
WHW31	Burned	Number of species in year	1	0	2
		<i>Bromus tectorum</i>			12
		<i>Cirsium arvense</i>	40		12
WHW32	Unburned	Number of species in year	0	0	1
		<i>Bromus tectorum</i>			8
WHW33	Burned	Number of species in year	0	1	1
		<i>Bromus tectorum</i>		8	20
WHW34	Burned	Number of species in year	1	2	1
		<i>Bromus tectorum</i>	4	12	52
		<i>Halogeton glomeratus</i>		48	
WHW35	Unburned	Number of species in year	1	0	2
		<i>Bromus tectorum</i>	44		44
		<i>Halogeton glomeratus</i>			4
WHW36	Unburned	Number of species in year	1	1	1
		<i>Bromus tectorum</i>	40	24	44

Table II-1 (continued).

Point		Species	2001	2002	2012
WHW37	Burned	Number of species in year	0	1	2
		<i>Bromus tectorum</i>			40
		<i>Sonchus arvensis</i>		48	4
WHW40	Burned	Number of species in year	1	1	3
		<i>Alyssum sp.</i>			92
		<i>Bromus tectorum</i>	4		100
		<i>Halogeton glomeratus</i>		16	4
WHW41	Burned	Number of species in year	1	1	2
		<i>Bromus tectorum</i>	88	28	84
		<i>Halogeton glomeratus</i>			4
WHW42	Unburned	Number of species in year	0	0	0
WHW43	Burned	Number of species in year	1	1	1
		<i>Bromus tectorum</i>	28	4	96
WHW44	Burned	Number of species in year	0	0	2
		<i>Bromus tectorum</i>			44
		<i>Halogeton glomeratus</i>			20
WHW45	Unburned	Number of species in year	0	0	0
WHW46	Unburned	Number of species in year	1	0	1
		<i>Bromus tectorum</i>	8		52
WHW50	Burned	Number of species in year	0	1	1
		<i>Bromus tectorum</i>			4
		<i>Halogeton glomeratus</i>		16	
WHW51	Burned	Number of species in year	0	0	1
		<i>Bromus tectorum</i>			40
WHW52	Burned	Number of species in year	1	1	2
		<i>Bromus tectorum</i>	64		100
		<i>Halogeton glomeratus</i>		20	12
WHW53	Burned	Number of species in year	0	0	3
		<i>Bromus tectorum</i>			64
		<i>Carduus nutans</i>			12
		<i>Halogeton glomeratus</i>			8
WHW54	Burned	Number of species in year	0	0	1
		<i>Bromus tectorum</i>			52
WHW55	Unburned	Number of species in year	0	0	1
		<i>Halogeton glomeratus</i>			4
WHW56	Burned	Number of species in year	0	0	2
		<i>Bromus tectorum</i>			44
		<i>Halogeton glomeratus</i>			24

Table II-1 (continued).

Point		Species	2001	2002	2012
WHW57	Burned	Number of species in year	3	3	1
		<i>Bromus tectorum</i>	92	72	80
		<i>Elymus repens</i>	20		
		<i>Halogeton glomeratus</i>		52	
		<i>Hyoscyamus niger</i>	36	32	
WHW58	Burned	Number of species in year	0	0	1
		<i>Halogeton glomeratus</i>			20
WHW59	Burned	Number of species in year	0	0	2
		<i>Bromus tectorum</i>			20
		<i>Ceratocephala testiculata</i>			4
WHW60	Burned	Number of species in year	0	0	1
		<i>Bromus tectorum</i>			8
WHW61	Burned	Number of species in year	0	0	1
		<i>Bromus tectorum</i>			16
WHW62	Burned	Number of species in year	1	1	2
		<i>Alyssum sp.</i>			80
		<i>Bromus tectorum</i>	64	20	100
WHW63	Burned	Number of species in year	0	0	2
		<i>Bromus tectorum</i>			48
		<i>Halogeton glomeratus</i>			4
WHW64	Burned	Number of species in year	0	1	1
		<i>Bromus tectorum</i>			52
		<i>Halogeton glomeratus</i>		4	
WHW65	Burned	Number of species in year	1	0	2
		<i>Bromus tectorum</i>	28		20
		<i>Cirsium arvense</i>			8
WHW66	Burned	Number of species in year	1	1	1
		<i>Bromus tectorum</i>	8	8	48
WHW67	Burned	Number of species in year	0	0	0
WHW68	Burned	Number of species in year	0	1	1
		<i>Bromus tectorum</i>		4	28
WHW69	Burned	Number of species in year	0	0	1
		<i>Bromus tectorum</i>			60
WHW70	Burned	Number of species in year	1	1	1
		<i>Bromus tectorum</i>	92	56	84
WHW71	Burned	Number of species in year	0	0	1
		<i>Bromus tectorum</i>			56
WHW72	Burned	Number of species in year	0	0	1
		<i>Bromus tectorum</i>			4

Table II-1 (continued).

Point		Species	2001	2002	2012
WHW73	Burned	Number of species in year	0	0	2
		<i>Bromus tectorum</i>			8
		<i>Halogeton glomeratus</i>			4
WHW74	Burned	Number of species in year	0	1	1
		<i>Bromus tectorum</i>			52
		<i>Sonchus arvensis</i>		20	
WHW75	Burned	Number of species in year	0	1	1
		<i>Ceratocephala testiculata</i>			8
		<i>Sonchus arvensis</i>		20	
WHW76	Burned	Number of species in year	0	0	1
		<i>Alyssum sp.</i>			12
WHW77	Burned	Number of species in year	0	0	2
		<i>Alyssum sp.</i>			28
		<i>Bromus tectorum</i>			8
WHW78	Unburned	Number of species in year	0	0	1
		<i>Bromus tectorum</i>			8
WHW79	Unburned	Number of species in year	0	0	0
WHW80	Burned	Number of species in year	0	0	0
WHW81	Burned	Number of species in year	1	2	1
		<i>Bromus tectorum</i>			8
		<i>Carduus nutans</i>		8	
		<i>Cirsium arvense</i>	76	64	
WHW82	Burned	Number of species in year	0	0	0
WHW83	Unburned	Number of species in year	0	0	0
WHW84	Burned	Number of species in year	0	0	1
		<i>Bromus tectorum</i>			16
WHW85	Burned	Number of species in year	1	0	1
		<i>Ceratocephala testiculata</i>			4
		<i>Hyoscyamus niger</i>	4		
WHW86	Burned	Number of species in year	0	0	1
		<i>Bromus tectorum</i>			100
WHW87	Burned	Number of species in year	0	0	2
		<i>Bromus tectorum</i>			80
		<i>Halogeton glomeratus</i>			4
WHW88	Burned	Number of species in year	0	0	1
		<i>Bromus tectorum</i>			84
WHW89	Burned	Number of species in year	1	1	1
		<i>Bromus tectorum</i>	52	20	88
WHW90	Unburned	Number of species in year	0	0	0

Table II-1 (continued).

Point		Species	2001	2002	2012
WHW91	Burned	Number of species in year	0	3	1
		<i>Bromus tectorum</i>			24
		<i>Cirsium arvense</i>		12	
		<i>Hyoscyamus niger</i>		4	
		<i>Sonchus arvensis</i>		36	
WHW92	Burned	Number of species in year	0	1	1
		<i>Bromus tectorum</i>			24
		<i>Halogeton glomeratus</i>		24	
WHW93	Burned	Number of species in year	0	1	1
		<i>Bromus tectorum</i>			24
		<i>Sonchus arvensis</i>		8	
WHW94	Unburned	Number of species in year	0	0	1
		<i>Bromus tectorum</i>			20
WHW95	Unburned	Number of species in year	0	0	0
WHW96	Unburned	Number of species in year	0	0	0
WHW97	Unburned	Number of species in year	0	0	0
WHW98	Burned	Number of species in year	0	0	1
		<i>Bromus tectorum</i>			60
WHW99	Burned	Number of species in year	0	0	2
		<i>Alyssum sp.</i>			16
		<i>Bromus tectorum</i>			4
WHW100	Burned	Number of species in year	1	0	1
		<i>Bromus tectorum</i>	4		32
WHW101	Burned	Number of species in year	0	0	1
		<i>Ceratocephala testiculata</i>			24

Table II-2. Occurrence of exotics species in each vegetation plot in each year. Rows in italics show the number of microplots (out of 8) in which each species was recorded in each year. “0.1” indicates that a species was found in the vegetation plot but not in the microplots.

Point		Species	2001	2002	2012
WH01	Burned	Number of Species	2	0	4
		<i>Bromus tectorum</i>			0.1
		<i>Ceratocephala testiculata</i>			1
		<i>Hyoscyamus niger</i>	0.1		0.1
		<i>Malcolmia africana</i>	0.1		
		<i>Tragopogon dubius</i>			0.1
WH02	Burned	Number of Species	3	0	1
		<i>Bromus tectorum</i>	1		
		<i>Ceratocephala testiculata</i>			7
		<i>Descurainia sophia</i>	0.1		
		<i>Thlaspi arvense</i>	0.1		
WH03	Unburned	Number of Species	2	1	1
		<i>Agropyron cristatum</i>	0.1	0.1	0.1
		<i>Tragopogon dubius</i>	0.1		
WH04	Burned	Number of Species	3	1	1
		<i>Agropyron cristatum</i>	0.1	0.1	3
		<i>Poa pratensis</i>	0.1		
		<i>Thlaspi arvense</i>	0.1		
WH05	Burned	Number of Species	1	0	1
		<i>Agropyron cristatum</i>			0.1
		<i>Tragopogon dubius</i>	1		
WH06	Burned	Number of Species	3	0	0
		<i>Agropyron cristatum</i>	0.1		
		<i>Malcolmia africana</i>	4		
		<i>Tragopogon dubius</i>	0.1		
WH07	Burned	Number of Species	1	0	2
		<i>Bromus tectorum</i>	0.1		5
		<i>Tragopogon dubius</i>			1
WH08	Burned	Number of Species	3	2	1
		<i>Bromus tectorum</i>	0.1	0.1	5
		<i>Halogeton glomeratus</i>	0.1	2	
		<i>Taraxacum officinale</i>	0.1		
WH09	Unburned	Number of Species	1	0	0
		<i>Tragopogon dubius</i>	0.1		
WH10	Unburned	Number of Species	2	1	1
		<i>Agropyron cristatum</i>	0.1		
		<i>Bromus tectorum</i>	1	0.1	3
WH11	Burned	Number of Species	1	1	2
		<i>Bromus tectorum</i>	1	1	8
		<i>Descurainia sophia</i>			2

Table II-2 (continued).

Point		Species	2001	2002	2012
WH12	Burned	Number of Species	4	0	1
		<i>Bromus tectorum</i>			4
		<i>Poa pratensis</i>	0.1		
		<i>Taraxacum officinale</i>	0.1		
		<i>Thlaspi arvense</i>	0.1		
		<i>Tragopogon dubius</i>	5		
WH13	Burned	Number of Species	4	2	2
		<i>Bromus tectorum</i>		0.1	2
		<i>Cirsium arvense</i>	0.1		0.1
		<i>Malcolmia africana</i>	0.1		
		<i>Poa pratensis</i>	0.1		
		<i>Thlaspi arvense</i>	0.1		
		<i>Tragopogon dubius</i>		0.1	
WH14	Unburned	Number of Species	0	0	0
WH15	Burned	Number of Species	1	1	2
		<i>Bromus tectorum</i>	0.1	1	3
		<i>Carduus nutans</i>			0.1
WH16	Burned	Number of Species	1	2	4
		<i>Bromus tectorum</i>			3
		<i>Carduus nutans</i>			0.1
		<i>Descurainia sophia</i>	1		0.1
		<i>Salsola tragus</i>		1	
		<i>Taraxacum officinale</i>		0.1	
		<i>Tragopogon dubius</i>			1
WH17	Burned	Number of Species	1	0	1
		<i>Bromus tectorum</i>			1
		<i>Tragopogon dubius</i>	0.1		
WH18	Unburned	Number of Species	0	0	0
WH19	Burned	Number of Species	0	1	2
		<i>Halogeton glomeratus</i>		0.1	0.1
		<i>Tragopogon dubius</i>			1
WH20	Burned	Number of Species	3	4	5
		<i>Bromus tectorum</i>	2	1	4
		<i>Descurainia sophia</i>	0.1	0.1	1
		<i>Halogeton glomeratus</i>		1	
		<i>Lactuca serriola</i>	0.1		1
		<i>Salsola tragus</i>		4	
		<i>Taraxacum officinale</i>			1
		<i>Tragopogon dubius</i>			0.1
WH21	Burned	Number of Species	0	0	3
		<i>Bromus tectorum</i>			0.1
		<i>Carduus nutans</i>			0.1
		<i>Tragopogon dubius</i>			1
WH22	Burned	Number of Species	2	1	2
		<i>Bromus tectorum</i>	0.1		5
		<i>Lactuca serriola</i>		1	
		<i>Tragopogon dubius</i>	0.1		0.1

Table II-2 (continued).

Point		Species	2001	2002	2012
WH23	Burned	Number of Species	2	1	3
		<i>Bromus tectorum</i>			2
		<i>Halogeton glomeratus</i>			2
		<i>Taraxacum officinale</i>	3	2	1
		<i>Thlaspi arvense</i>	1		
WH24	Unburned	Number of Species	0	0	0
WH25	Burned	Number of Species	6	3	0
		<i>Bromus tectorum</i>	1	1	
		<i>Descurainia sophia</i>	2		
		<i>Hyoscyamus niger</i>	0.1	0.1	
		<i>Lappula squarrosa</i>	0.1		
		<i>Poa pratensis</i>	0.1		
		<i>Tragopogon dubius</i>	0.1	0.1	
WH26	Burned	Number of Species	3	5	4
		<i>Bromus tectorum</i>	0.1	3	7
		<i>Cardaria chalepensis</i>			0.1
		<i>Centaurea repens</i>		0.1	
		<i>Descurainia sophia</i>	2	1	2
		<i>Halogeton glomeratus</i>	0.1	1	
		<i>Salsola tragus</i>		0.1	
		<i>Tragopogon dubius</i>			1
WH27	Burned	Number of Species	1	3	3
		<i>Bromus tectorum</i>	7	6	8
		<i>Halogeton glomeratus</i>		0.1	
		<i>Lactuca serriola</i>		0.1	2
		<i>Tragopogon dubius</i>			0.1
WH28	Burned	Number of Species	3	3	3
		<i>Bromus tectorum</i>	7	6	8
		<i>Descurainia sophia</i>	1		1
		<i>Halogeton glomeratus</i>	2	1	1
		<i>Salsola tragus</i>		0.1	
WH29	Burned	Number of Species	2	0	5
		<i>Bromus tectorum</i>			1
		<i>Carduus nutans</i>			5
		<i>Cirsium arvense</i>			1
		<i>Polygonum aviculare</i>	0.1		
		<i>Taraxacum officinale</i>	1		7
		<i>Tragopogon dubius</i>			1
WH30	Burned	Number of Species	2	3	0
		<i>Bromus tectorum</i>		0.1	
		<i>Taraxacum officinale</i>	0.1	1	
		<i>Tragopogon dubius</i>	0.1	0.1	
WH31	Unburned	Number of Species	2	0	0
		<i>Poa pratensis</i>	0.1		
		<i>Tragopogon dubius</i>	0.1		
WH32	Burned	Number of Species	2	2	1
		<i>Bromus tectorum</i>	3	0.1	7
		<i>Halogeton glomeratus</i>	0.1	0.1	

Table II-2 (continued).

Point		Species	2001	2002	2012
WH33	Unburned	Number of Species	0	0	1
		<i>Bromus tectorum</i>			1
WH34	Unburned	Number of Species	0	0	2
		<i>Bromus tectorum</i>			0.1
		<i>Cirsium arvense</i>			0.1
WH35	Burned	Number of Species	5	1	1
		<i>Alyssum desertorum</i>	0.1		
		<i>Bromus tectorum</i>	8	5	
		<i>Ceratocephala testiculata</i>	1		2
		<i>Malcolmia africana</i>	0.1		
		<i>Tragopogon dubius</i>	0.1		
WH36	Burned	Number of Species	8	4	6
		<i>Bromus tectorum</i>	8	6	7
		<i>Ceratocephala testiculata</i>	8		4
		<i>Descurainia sophia</i>	7	0.1	0.1
		<i>Halogeton glomeratus</i>	0.1	3	0.1
		<i>Lactuca serriola</i>			0.1
		<i>Lepidium perfoliatum</i>	0.1		1
		<i>Malcolmia africana</i>	0.1		
		<i>Taraxacum officinale</i>	1	0.1	
		<i>Tragopogon dubius</i>	0.1		
WH37	Burned	Number of Species	1	0	2
		<i>Bromus tectorum</i>			1
		<i>Taraxacum laevigatum</i>	0.1		
		<i>Tragopogon dubius</i>			0.1
WH38	Burned	Number of Species	4	3	4
		<i>Bromus tectorum</i>	3	6	8
		<i>Descurainia sophia</i>	7		0.1
		<i>Halogeton glomeratus</i>	0.1	7	0.1
		<i>Hyoscyamus niger</i>	0.1	0.1	
		<i>Tragopogon dubius</i>			0.1
WH39	Burned	Number of Species	2	2	1
		<i>Bromus tectorum</i>	1	1	7
		<i>Halogeton glomeratus</i>		1	
		<i>Tragopogon dubius</i>	0.1		
WH40	Burned	Number of Species	1	2	3
		<i>Bromus tectorum</i>	2	4	7
		<i>Halogeton glomeratus</i>		4	0.1
		<i>Salsola tragus</i>			1
WH41	Burned	Number of Species	4	3	4
		<i>Bromus tectorum</i>	4	1	3
		<i>Ceratocephala testiculata</i>	1		1
		<i>Chorisporea tenella</i>	1		1
		<i>Halogeton glomeratus</i>	0.1	5	0.1
		<i>Kochia scoparia</i>		0.1	
WH42	Unburned	Number of Species	0	0	0
WH43	Unburned	Number of Species	1	1	1
		<i>Bromus tectorum</i>	3	0.1	0.1